

COUNTY COMMISSIONER \_\_\_\_\_ DATE \_\_\_\_\_

88 East Broad Street, Suite 1600  
Columbus, Ohio 43215

DATE \_\_\_\_\_

|                                                                 |            |
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| SPECIAL PROVISIONS                                                |                 |                 |                 |                 |
| CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM PHASE D SPECIAL PROVISIONS |                 |                 |                 |                 |
| CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWINGS                   |                 |                 |                 |                 |
| 1441 (12/01/14)                                                   | 1500 (09/15/15) | 1510 (09/15/15) | 1511 (09/15/15) | 1520 (09/15/15) |
| 1530 (09/15/15)                                                   | 1540 (09/15/15) | 1550 (09/15/15) | 2000 (06/01/14) | 2020 (08/01/14) |
| 2160 (06/01/13)                                                   | 2161 (06/01/13) | 2179 (06/01/13) | 2300 (06/01/14) | 2303 (06/01/13) |
| 2319 (06/01/13)                                                   | 2331 (06/01/13) | 4001 (08/01/15) | 4002 (05/01/14) | 4020 (05/01/14) |
| 4021 (05/01/14)                                                   | 4022 (05/01/14) | 4023 (05/01/14) | 4110 (08/01/15) | 4111 (05/01/14) |
| 4122 (05/01/14)                                                   | 4160 (05/01/14) | 4162 (05/01/14) | 4170 (05/01/14) | 4330 (05/01/14) |
| 4331 (05/01/14)                                                   | -----           | -----           | -----           | -----           |

| ODOT STANDARD CONSTRUCTION DRAWINGS |            |           |            |
|-------------------------------------|------------|-----------|------------|
| HL 30.11                            | (07/15/16) | MT 95.61  | (07/19/13) |
| HL 30.21                            | (01/17/14) | MT 97.10  | (07/18/14) |
| HL 30.22                            | (01/17/14) | MT 105.10 | (07/19/13) |
| MT 95.30                            | (07/15/16) | TC 21.20  | (07/15/16) |
| MT 95.31                            | (07/18/14) | TC 81.10  | (07/15/16) |
| MT 95.32                            | (07/18/14) | TC 84.20  | (10/18/13) |
| MT 95.50                            | (10/16/15) | TC 84.21  | (10/18/13) |
| MT 95.60                            | (07/19/13) | ITS 14.11 | (7/17/15)  |

| ODOT SUPPLEMENTAL SPECIFICATIONS |            |
|----------------------------------|------------|
| SS-800                           | (07/15/16) |
| SS-804                           | (07/15/16) |
| SS-809                           | (04/15/16) |
| SS-815                           | (01/19/07) |
| SS-904                           | (07/15/16) |
| SS-906                           | (10/15/10) |

| COLUMBUS SUPPLEMENTAL SPECIFICATIONS |            |
|--------------------------------------|------------|
| 1100                                 | (08/01/16) |
| 1551                                 | (03/01/04) |
| 1611                                 | (02/01/13) |
| 1630                                 | (11/13/09) |

CITY OF COLUMBUS SIGNATURES ON THIS PLAN SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

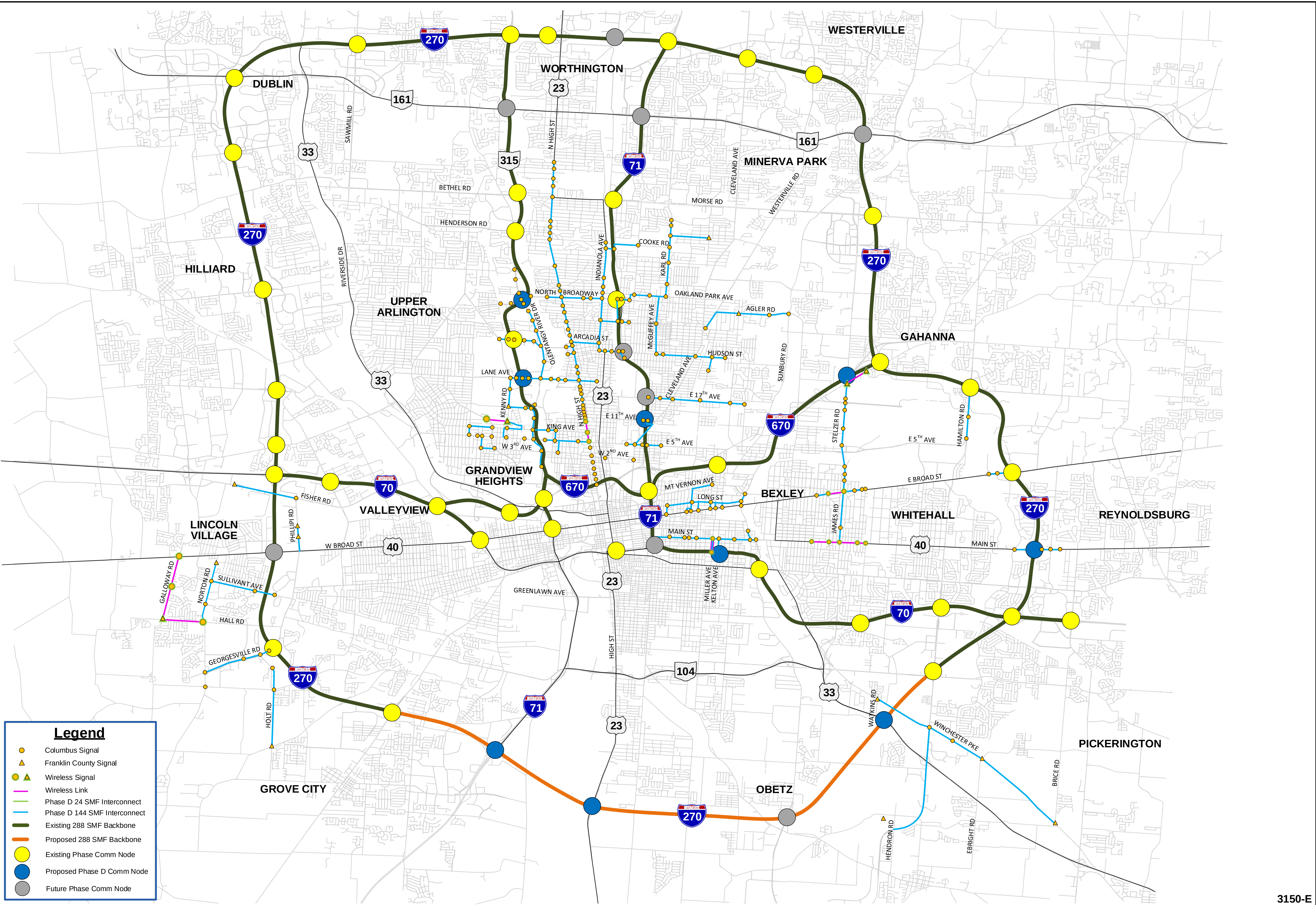
DIRECTOR DEPARTMENT OF PUBLIC SERVICE \_\_\_\_\_ DATE \_\_\_\_\_

| REV<br>NO | REVISION DESCRIPTION | SHEET(S) | INITIAL | DATE |
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|           |                      |          |         |      |
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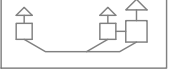
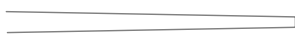
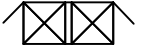
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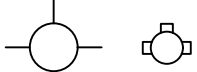
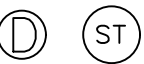
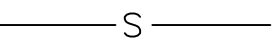
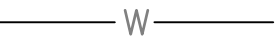
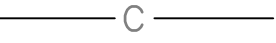
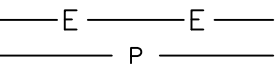
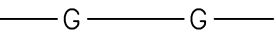


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EXISTING TRAFFIC SYMBOL LEGEND

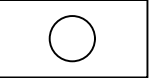
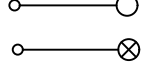
|                                                                                                                                                |                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
|                                                               | SIGNAL HEAD                                               |
|                                                               | EXISTING TRAFFIC CONDUIT                                  |
|                                                               | EXISTING WOODEN UTILITY POLE                              |
|                                                               | EXISTING OVERHEAD SIGN                                    |
|                                                               | EXISTING STRAIN POLE                                      |
|                                                               | EXISTING SIGNAL CONTROLLER                                |
|                                                               | EXISTING POWER SUPPLY                                     |
|                                                               | MAST ARM                                                  |
|                                                               | RAMP METER, EXISTING                                      |
|                                                               | CCTV DEVICE, EXISTING                                     |
|                                                               | BRACKET ARM, EXISTING                                     |
|                                                               | OVERHEAD SIGN STRUCTURE, EXISTING                         |
|                                                               | DETECTOR LOOP, EXISTING                                   |
|                                                               | DETECTOR STATION, EXISTING                                |
|                                                               | VDS CABINET, EXISTING                                     |
|        | EXISTING PULL BOXES (18", 24", 30", 36" SQUARE)           |
|   | EXISTING PULL BOX (30" x 48" RECTANGULAR DOUBLE DOOR)     |
|  | EXISTING PULL BOX (18", 725.06 RECTANGULAR; POLYCONCRETE) |
|                           | EXISTING PULL BOXES (32", 48" ROUND)                      |
|                                                             | EXISTING JUNCTION BOX IN BARRIER WALL                     |
|                                                             | EXISTING ITS EQUIPMENT CABINET                            |
|                                                             | EXISTING 4' SQUARE VAULT                                  |
|                                                             | EXISTING COMMUNICATION NODE                               |
|                                                             | EXISTING SPLICE ENCLOSURE                                 |
|                                                             | EXISTING PEDESTRIAN SIGNAL/CROSSWALK PUSH BUTTON POLE     |
|                                                             | PEDESTRIAN CROSSWALK SIGNAL                               |
|                                                             | COAXIAL AMPLIFIER CABINET                                 |
|                                                             | EXISTING VIDEO TRAFFIC DETECTOR                           |

UTILITY LEGEND

|                                                                                       |                                 |
|---------------------------------------------------------------------------------------|---------------------------------|
|    | CATCH BASIN                     |
|    | SEWER GRATE                     |
|    | HYDRANT                         |
|    | MANHOLE                         |
|    | COMBINED MANHOLE                |
|    | STORM MANHOLE                   |
|    | SANITARY MANHOLE                |
|    | WATER VALVE                     |
|    | STORM DRAIN                     |
|    | SANITARY LINE                   |
|    | WATER                           |
|    | COMBINED LINE                   |
|  | UNDERGROUND ELECTRIC/POWER LINE |
|  | GAS LINE                        |
|  | PETROLEUM TRANSMISSION LINE     |
|  | GUY WIRE                        |
|  | GUY ANCHOR                      |

BTW – BETWEEN  
CFN – COLUMBUS FIBERNET  
CN – CITYNET (HYLAND)  
COC – CITY OF COLUMBUS  
CONT. – CONTROLLER  
CTSS – COLUMBUS TRAFFIC SIGNAL SYSTEM  
DOP – DIVISION OF POWER  
DOW – DIVISION OF WATER  
DOT – DEPARTMENT OF TECHNOLOGY  
EA – EACH  
EX – EXISTING  
FOC – FIBER OPTIC CABLE  
FO – FIBER OPTIC  
FT – FEET  
FV – FIELD VERIFIED

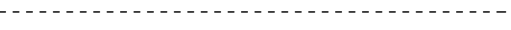
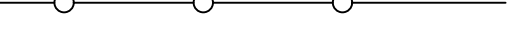
POWER, LIGHTING AND COMMUNICATIONS LEGEND

|                                                                                       |                                      |
|---------------------------------------------------------------------------------------|--------------------------------------|
|    | LIGHTING CENTER                      |
|    | LIGHTING CONDUIT                     |
|    | TELECOMMUNICATIONS CONDUIT           |
|    | HIGH MAST LIGHTING TOWERS            |
|    | EXISTING TELECOMMUNICATIONS PULL BOX |
|    | EXISTING ELECTRICAL PULL BOX         |
|    | LUMINARIES                           |
|    | UTILITY POLE                         |
|    | LIGHT POLE                           |
|    | POWER/LIGHT POLE                     |
|    | TELEPHONE/POWER POLE                 |
|    | TELEPHONE POLE                       |
|  | POWER POLE                           |
|  | TRANSMISSION POWER POLE              |
|  | STREET ADDRESS                       |
|  | EXISTING FIBER OPTIC CABLE           |
|  | TRANSMISSION TOWER                   |
|  | GROUND MOUNTED TRANSFORMER           |

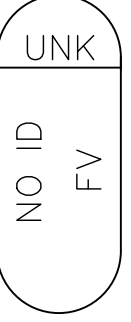
ABBREVIATIONS

IC – INTERCONNECT  
INT – INTERSECTION  
ITS – INTELLIGENT TRANSPORTATION SYSTEM  
OH – OVERHEAD  
PB – PULL BOX  
PR – PROPOSED  
RU – RACK UNIT  
SMF – SINGLE MODE FIBER  
STA. – STATION  
TR or TRF – TRAFFIC  
UG – UNDERGROUND  
UNK – UNKNOWN  
UT – UNDERGROUND TANKS  
W/ – WITH

LAND FEATURE LEGEND

|                                                                                       |                                   |
|---------------------------------------------------------------------------------------|-----------------------------------|
|    | RAILROAD                          |
|    | LAKES, RIVERS AND STREAMS         |
|    | HEADWALL                          |
|    | EXISTING UNDERGROUND TANKS        |
|    | NOISE WALL                        |
|    | CABLE BARRIER                     |
|    | GUARDRAIL                         |
|    | FENCE                             |
|    | CENTER LINE                       |
|    | LIMITED ACCESS (RIGHT OF WAY)     |
|    | RAILROAD RIGHT OF WAY             |
|    | RIGHT OF WAY LINE                 |
|    | WARRANTY DEED FOR SCENIC PURPOSES |
|    | UTILITY EASEMENT                  |
|    | STANDARD HIGHWAY RIGHT OF WAY     |
|  | EDGE OF PAVEMENT                  |
|  | ROAD DASH STRIPING                |
|  | LANE STRIPING                     |
|  | FLAG POLE                         |

EXISTING UTILITY POLES

|                                                                                                              |                                 |                                                                                                        |                                              |
|--------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------|
|                         | AEP POLE WITH<br>XY COORDINATES |                   | AT&T POLE WITH<br>XY COORDINATES             |
|                         | DOP POLE WITH<br>SIX DIGIT ID   |                   | EXISTING POLE<br>MISSING ID (FIELD VERIFIED) |
| <p>CONNECTION TYPE</p>  | POLE CLAMP                      | <p>POLE TYPE</p>  | STRAIN POLE                                  |
|                         | STAND OFF                       |                   | LIGHT POLE                                   |
|                         | NO CONTACT                      |                   | MISC. UTILITY POLE                           |

CIP: 540007–100006  
PID NUMBER: 82573

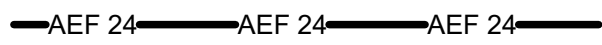
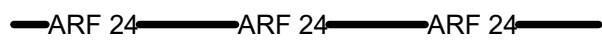
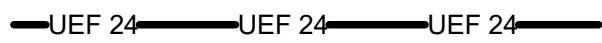
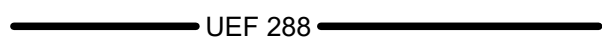
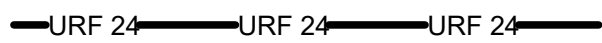
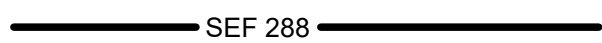
EXISTING LEGEND & ABBREVIATIONS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D – CONSTRUCTION AS-BUILT



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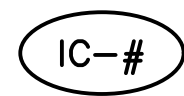
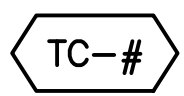
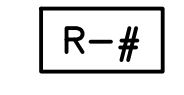
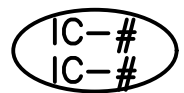
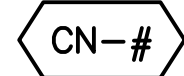
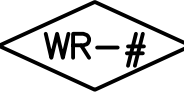
PROPOSED ITS LINETYPES, EXISTING INFRASTRUCTURE

|                                                                                   |                                                                                |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|  | EXISTING AERIAL INTERCONNECT, PROPOSED 24 FIBER OVERLASHED TO EXISTING IC      |
|  | EXISTING AERIAL INTERCONNECT, PROPOSED 24 FIBER DROP OVERLASHED TO EXISTING IC |
|  | EXISTING AERIAL INTERCONNECT, PROPOSED 144 FIBER OVERLASHED TO EXISTING IC     |
|  | EXISTING AERIAL INTERCONNECT, REPLACE WITH 24 FIBER                            |
|  | EXISTING AERIAL INTERCONNECT, REPLACE WITH 24 FIBER DROP                       |
|  | EXISTING AERIAL INTERCONNECT, REPLACE WITH 144 FIBER                           |
|  | EXISTING AERIAL POWER, REPLACE WITH PROPOSED POWER CABLE                       |
|  | EXISTING UNDERGROUND CONDUIT, PROPOSED CAT 5                                   |
|  | EXISTING UNDERGROUND CONDUIT, PROPOSED 24 FIBER                                |
|  | EXISTING UNDERGROUND CONDUIT, PROPOSED 24 FIBER DROP                           |
|  | EXISTING UNDERGROUND CONDUIT, PROPOSED 72 FIBER DROP                           |
|  | EXISTING UNDERGROUND CONDUIT, PROPOSED 144 FIBER                               |
|  | EXISTING UNDERGROUND CONDUIT, PROPOSED 288 FIBER                               |
|  | EXISTING UNDERGROUND CONDUIT, REPLACE EX IC WITH PROPOSED 24 FIBER             |
|  | EXISTING UNDERGROUND CONDUIT, REPLACE EX IC WITH PROPOSED 24 FIBER DROP        |
|  | EXISTING UNDERGROUND CONDUIT, REPLACE EX IC WITH PROPOSED 144 FIBER            |
|  | EXISTING STRUCTURAL CONDUIT, PROPOSED 144 FIBER                                |
|  | EXISTING STRUCTURAL CONDUIT, REPLACE EX IC WITH PROPOSED 144 FIBER             |
|  | EXISTING STRUCTURAL CONDUIT, PROPOSED 288 FIBER                                |
|  | EXISTING INTERCONNECT TO BE REMOVED                                            |

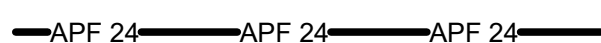
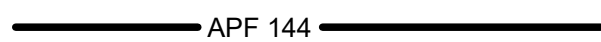
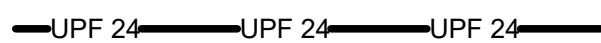
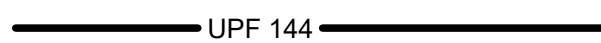
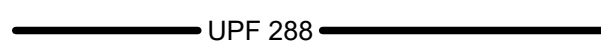
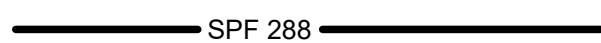
INTERCONNECT CALLOUTS

QUANTITIES INCLUDE ALL FIBER OPTIC CABLE AND ANY ASSOCIATED EQUIPMENT OR INFRASTRUCTURE REQUIRED TO INSTALL THE CABLE BETWEEN PROPOSED FIBER OPTIC SPLICE ENCLOSURES AT ADJACENT CONNECTED INTERSECTIONS. THE FIBER OPTIC SPLICE ENCLOSURE SERVES AS A DELINEATION POINT BETWEEN INTERCONNECT AND INTERSECTION QUANTITIES AND IS ITSELF TYPICALLY INCLUDED WITHIN THE INTERCONNECT QUANTITIES.

THE FOLLOWING ITEMS ARE QUANTIFIED WITHIN THE ASSOCIATED INTERCONNECT QUANTITY SHEET:

|                                                                                     |                                                                                                                                                                                                                                                        |                                                                                      |                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | FIBER OPTIC CABLE<br>INSTALLED IN EXISTING CONDUIT (CONDUIT CLEANED) OR NEW CONDUIT<br>• INSTALLED IN NEW CONDUIT<br>• INSTALLED ON NEW MESSENGER WIRE<br>• OVERLASHED TO EXISTING OVERHEAD INTERCONNECT<br>• REPLACING EXISTING OVERHEAD INTERCONNECT |  | SIGNAL CONTROL CABINET<br>• 24 STRAND FIBER OPTIC TERMINATION PANEL<br>• LAYER 2 ETHERNET NETWORK SWITCH<br>• FIBER OPTIC-ETHERNET TRANSCEIVER<br>• ETHERNET-SERIAL DATA TERMINAL SERVER OR TRAFFIC SIGNAL CONTROLLER |
|  | FIBER OPTIC SPLICE ENCLOSURE<br>• % - DENOTES ENCLOSURE TYPE<br>• A: AERIAL, U: UNDERGROUND                                                                                                                                                            |  | EQUIPMENT DATA/POWER CABLE                                                                                                                                                                                            |
|  | FIBER OPTIC CABLE SLACK<br>• % - DENOTES SLACK TYPE<br>• A: AERIAL, U: UNDERGROUND<br>• ###: LENGTH OF SLACK                                                                                                                                           |  | EQUIPMENT DATA/POWER CABLE AND FIBER OPTIC CABLE                                                                                                                                                                      |
|  | REMOVE EXISTING EQUIPMENT                                                                                                                                                                                                                              |  | FIBER OPTIC CABLE, TWO VARYING TYPES                                                                                                                                                                                  |
|  | COMMUNICATIONS NODE CABINET                                                                                                                                                                                                                            |  | WIRELESS NETWORK RADIO                                                                                                                                                                                                |
|                                                                                     |                                                                                                                                                                                                                                                        |  | CCTV TRAFFIC SURVEILLANCE CAMERA                                                                                                                                                                                      |

PROPOSED ITS LINETYPES, PROPOSED INFRASTRUCTURE

|                                                                                     |                                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------|
|  | PROPOSED AERIAL CABLE, PROPOSED CAT 5                       |
|  | PROPOSED AERIAL CABLE, PROPOSED CCTV COMPOSITE CABLE        |
|  | PROPOSED AERIAL INTERCONNECT, PROPOSED 24 FIBER             |
|  | PROPOSED AERIAL INTERCONNECT, PROPOSED 24 FIBER DROP        |
|  | PROPOSED AERIAL INTERCONNECT, PROPOSED 144 FIBER            |
|  | PROPOSED UNDERGROUND CONDUIT, PROPOSED 24 FIBER             |
|  | PROPOSED UNDERGROUND CONDUIT, PROPOSED 24 FIBER DROP        |
|  | PROPOSED UNDERGROUND CONDUIT, PROPOSED 144 FIBER            |
|  | PROPOSED UNDERGROUND CONDUIT, PROPOSED 288 FIBER            |
|  | PROPOSED UNDERGROUND CONDUIT, PROPOSED UNDERGROUND POWER    |
|  | PROPOSED UNDERGROUND CONDUIT, PROPOSED CAT 5                |
|  | PROPOSED UNDERGROUND CONDUIT, PROPOSED CCTV COMPOSITE CABLE |
|  | PROPOSED STRUCTURAL CONDUIT, PROPOSED 144 FIBER             |
|  | PROPOSED STRUCTURAL CONDUIT, PROPOSED 288 FIBER             |
|  | PROPOSED GUY WIRE                                           |
|  | PROPOSED AERIAL POWER                                       |

CITY OF COLUMBUS UTILITY LEGEND

|                                                                                       |          |                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | SEWER    | EXISTING SEWER LINES IN THE VICINITY OF PROPOSED UNDERGROUND WORK.                                                                                                                                                              |
|  | WATER    | EXISTING WATER LINES IN THE VICINITY OF PROPOSED UNDERGROUND WORK.                                                                                                                                                              |
|  | POWER    | EXISTING UNDERGROUND POWER LINES OR FACILITIES ARE WITHIN THE VICINITY OF PROPOSED UNDERGROUND WORK - OR - PROPOSED AERIAL INTERCONNECT CABLE IS TO BE INSTALLED IN THE VICINITY OF EXISTING OVERHEAD POWER LINES.              |
|  | LIGHTING | EXISTING UNDERGROUND LIGHTING LINES OR FACILITIES ARE WITHIN THE VICINITY OF PROPOSED UNDERGROUND WORK - OR - PROPOSED AERIAL INTERCONNECT CABLE IS TO BE INSTALLED IN THE VICINITY OF EXISTING OVERHEAD STREET LIGHTING LINES. |
|  |          | EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET XX.                                                                                                                                                                  |
|  |          | EXISTING OVERHEAD SIGN CALLOUT                                                                                                                                                                                                  |

PROPOSED ITS SYMBOL LEGEND

|                                                                                       |                                                |
|---------------------------------------------------------------------------------------|------------------------------------------------|
|    | PROPOSED WOODEN UTILITY POLE                   |
|  | PROPOSED STRAIN POLE                           |
|  | PROPOSED GUY WIRE ANCHOR                       |
|  | SIGNAL CONTROLLER REPLACED                     |
|  | CCTV DEVICE, PROPOSED                          |
|  | PROPOSED WIRELESS ANTENNA                      |
|  | PROPOSED ITS EQUIPMENT CABINET                 |
|  | PROPOSED COMMUNICATION NODE                    |
|  | PROPOSED MEDIAN JUNCTION BOX, 36"              |
|  | PROPOSED PULL BOXES (18" 725.06; POLYCONCRETE) |
|  | PROPOSED PULL BOXES (18", 24" SQUARE)          |
|  | PROPOSED PULL BOXES (32", 48" ROUND)           |
|  | BORE PIT, 4'X8'                                |
|  | PROPOSED BRACKET ARM                           |
|  | TRENCH IN PAVEMENT                             |
|  | CONDUIT RESTORATION                            |
|  | SIDEWALK REPLACED                              |

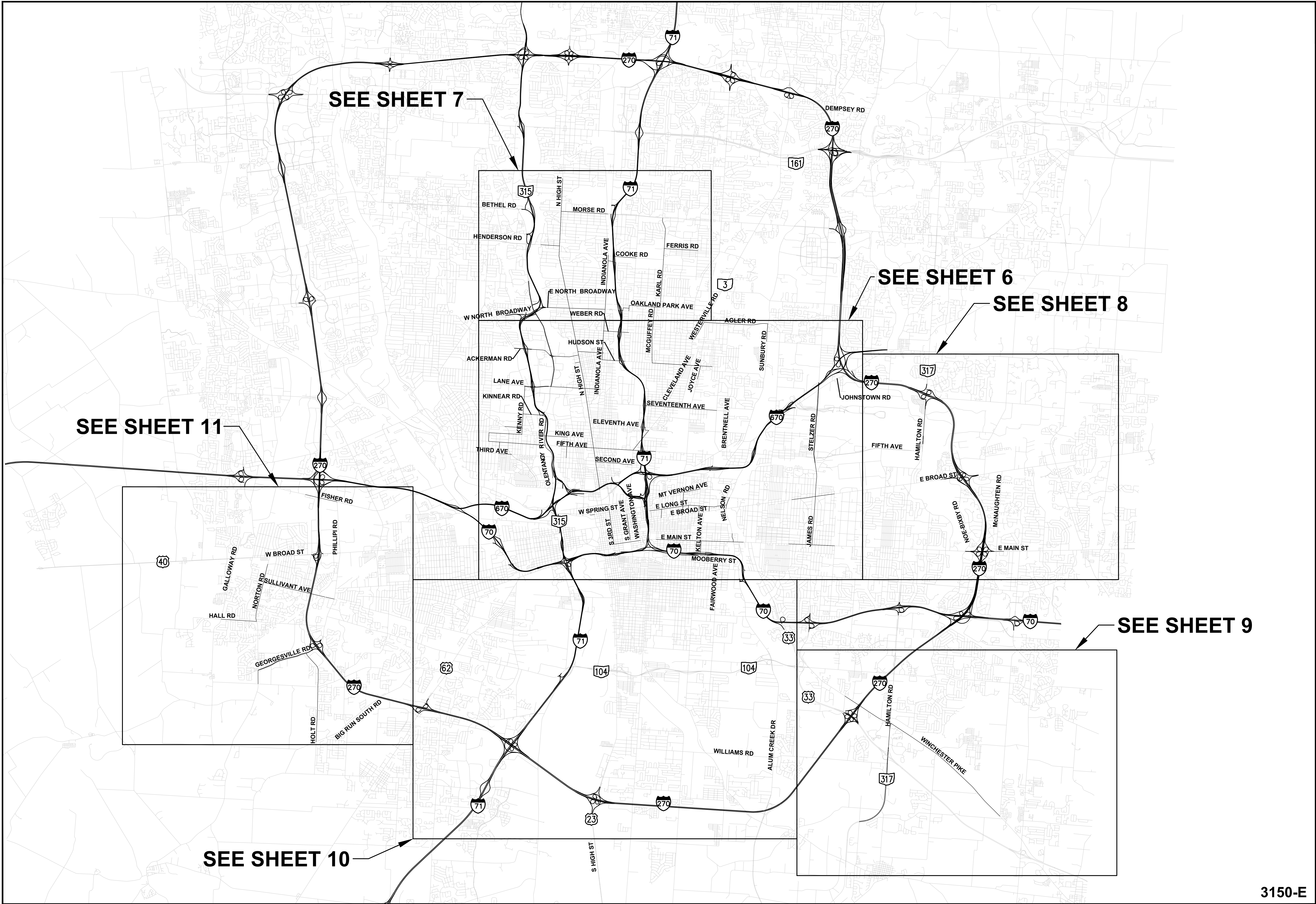
PROPOSED LINETYPE AND SYMBOL LEGEND

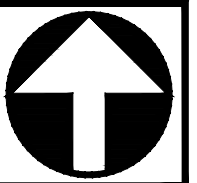
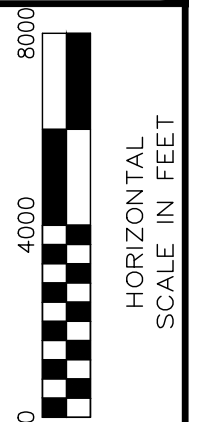
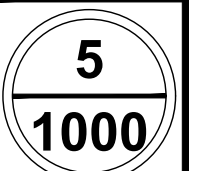
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE D - CONSTRUCTION AS-BUILT

CIP: 540007-100006  
PID NUMBER: 82573



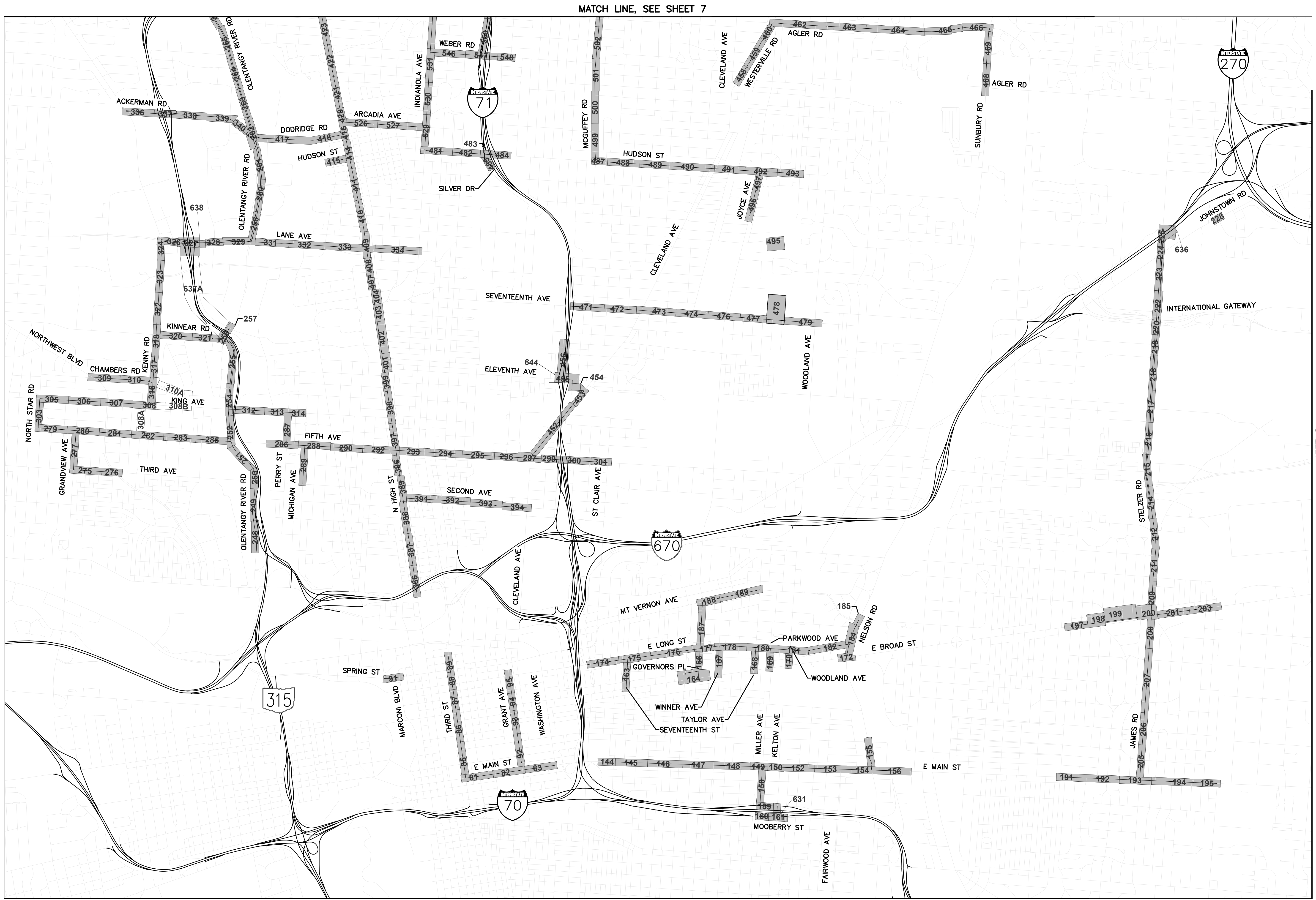
J:\Jobs\60135\TECHPROD\Sheets\Index\CTSS\_PhD\_Overview\_Index.dwg - INDEX OVERVIEW (VOL 1) layout ~ last saved by: gburch 11/28/2016 02:46pm ~ printed 03/18/2020 03:50pm



|                                                                                                                                                                                                       |                                        |                                      |                                                                                  |                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <br><br>HORIZONTAL SCALE IN FEET | CIP: 540007-10006<br>PID NUMBER: 82573 | INTERCONNECT SHEET INDEX<br>OVERVIEW | CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM<br>(CTSS) PHASE D - CONSTRUCTION AS-BUILT | <br>5<br>1000 |
|                                                                                                                                                                                                       |                                        |                                      |                                                                                  | 3150-E                                                                                             |



J:\Jobs\60135\TECHPROD\Sheets\Index\CTSS-Prod\_Index01.dwg - INTERCONNECT INDEX-1 (VOL 1) layout ~ last saved by: gburch 04/18/2017 11:13am ~ printed 03/18/2020 03:51pm



↑

0 1500 3000  
HORIZONTAL  
SCALE IN FEET

CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT SHEET INDEX  
(1 OF 6)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

6  
1000

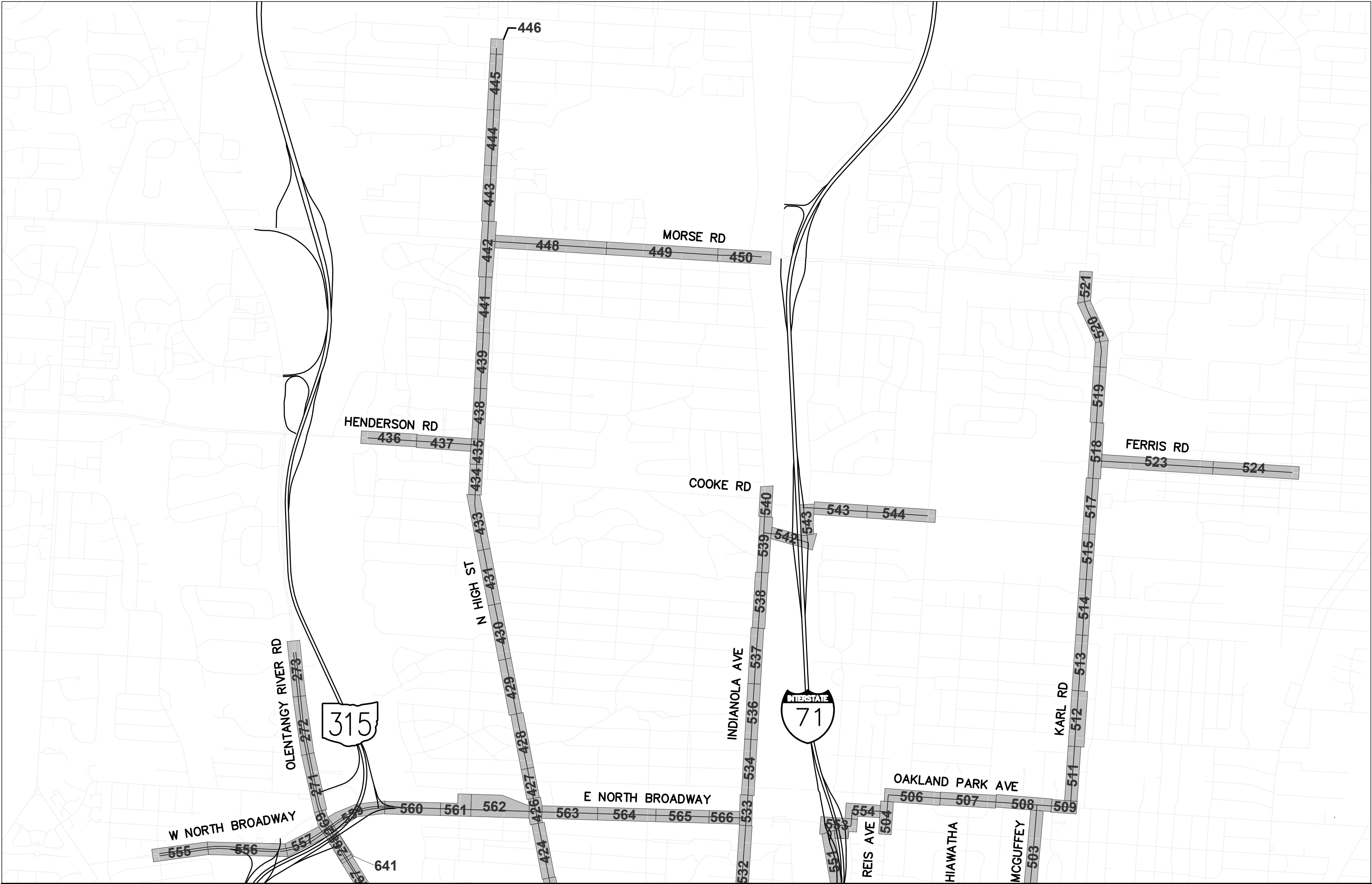
MATCH LINE, SEE SHEET 8

MATCH LINE, SEE SHEET 10

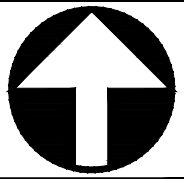
3150-E



J:\jobs\60135\TECHPROD\Sheets\Index\CTSS\_Phd\_Index01.dwg - INTERCONNECT INDEX-2 (VOL 1) layout ~ last saved by: gburch 04/18/2017 11:13am ~ printed 03/18/2020 03:52pm

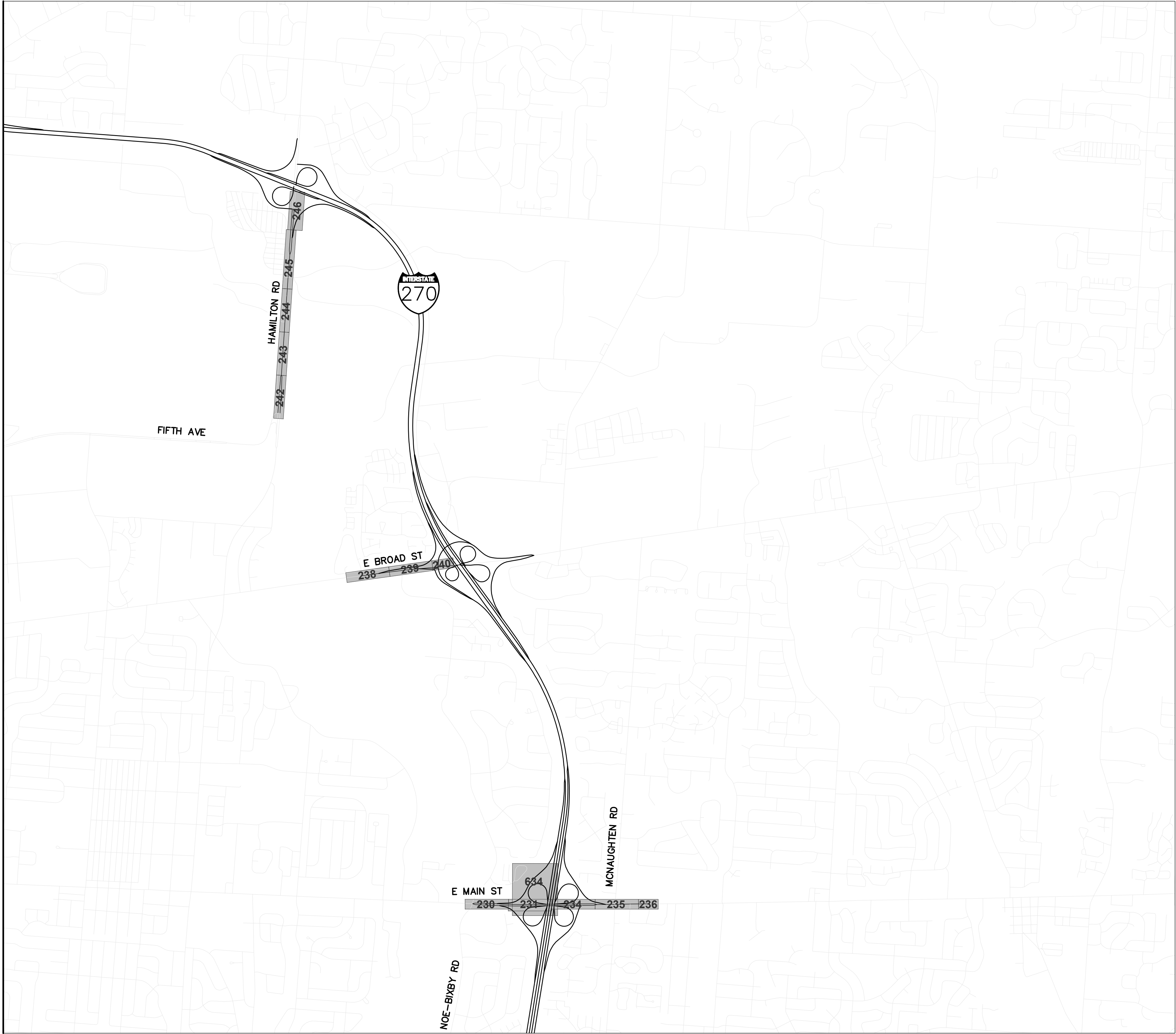


MATCH LINE, SEE SHEET 6





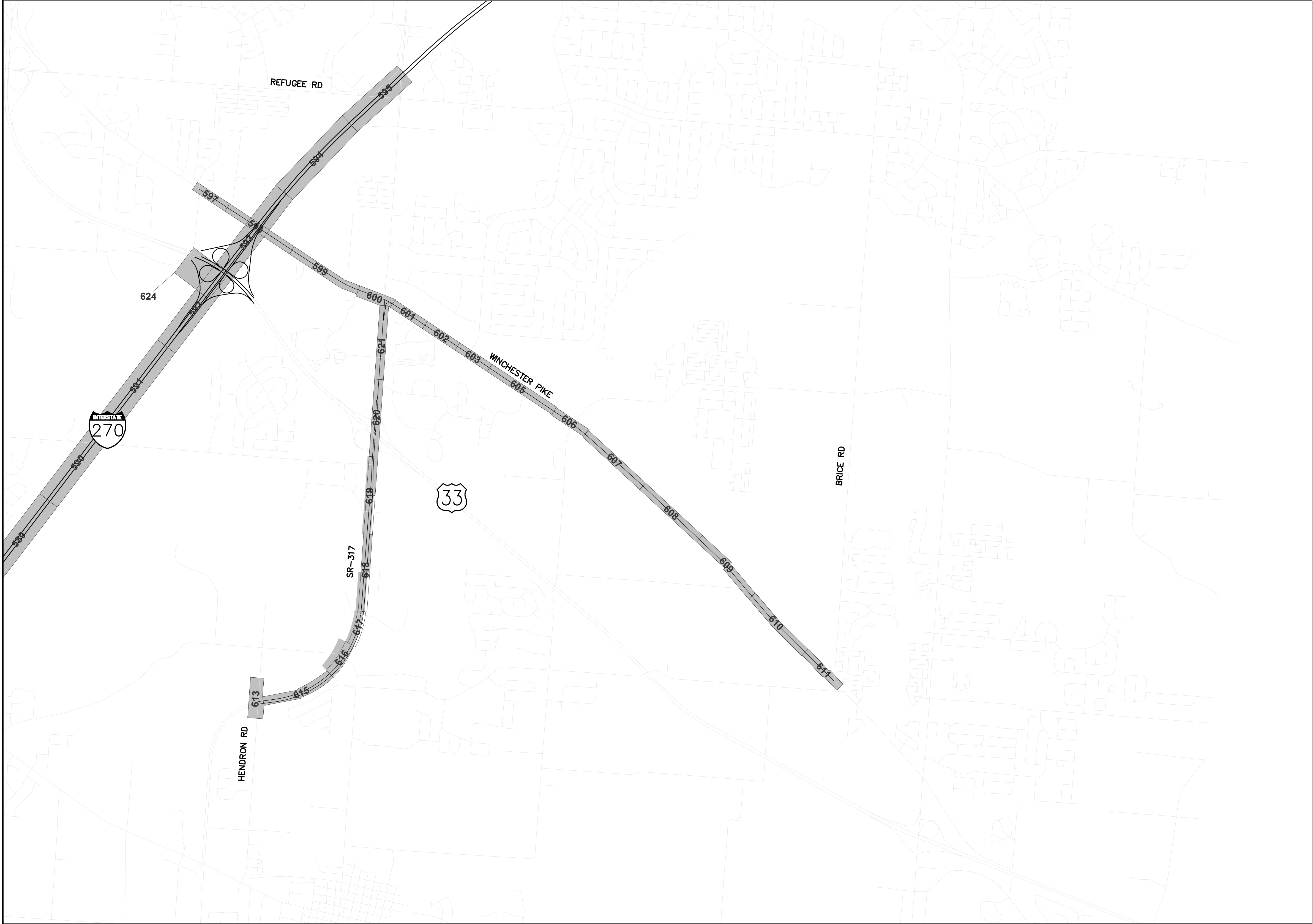
MATCH LINE, SEE SHEET 6





J:\jobs\60135\TECHPROD\Sheets\Index\CTSS\_PhD\_Index01.dwg - INTERCONNECT INDEX-4 (VOL 1) layout ~ last saved by: gburch 04/18/2017 11:13am ~ printed 03/18/2020 03:54pm

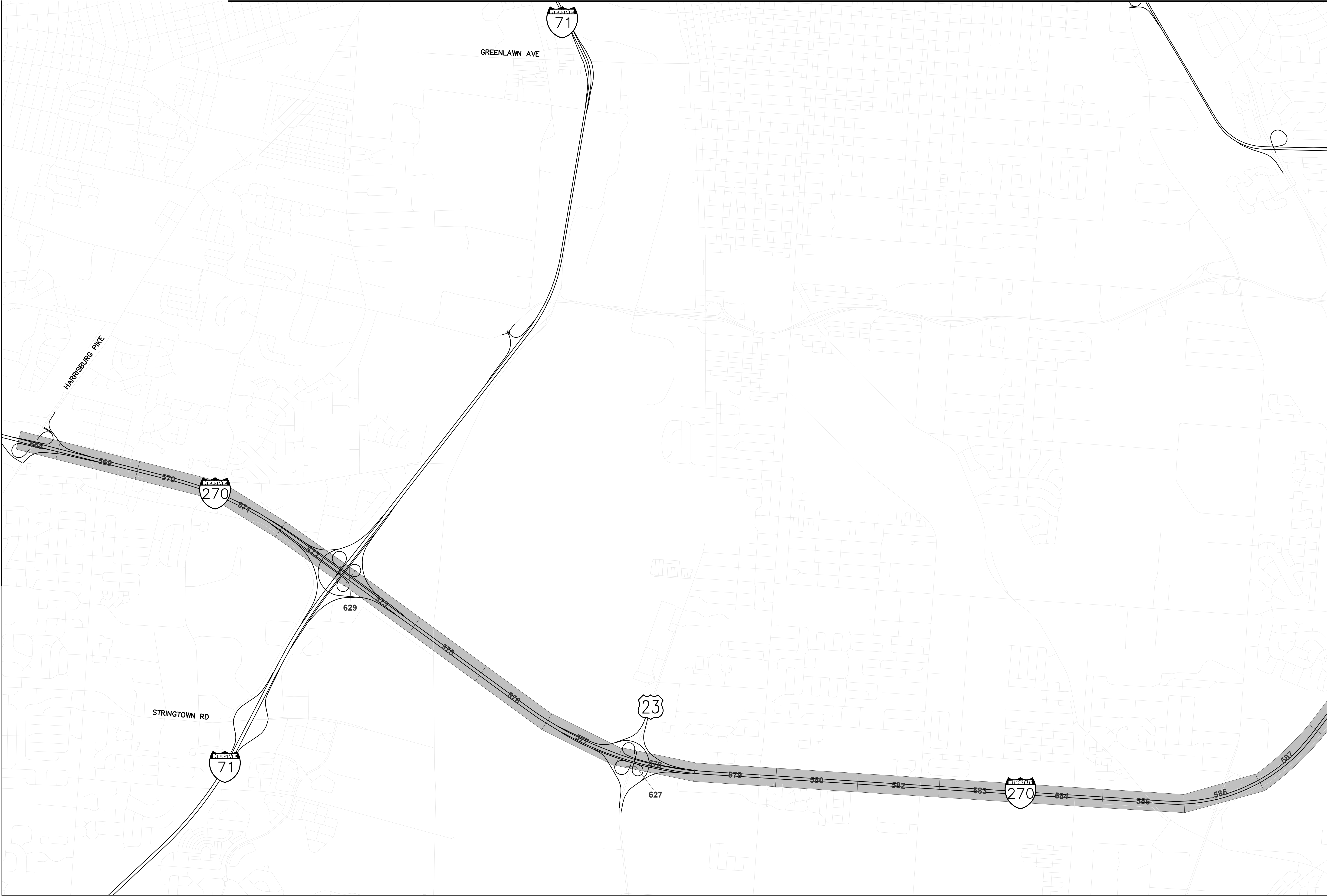
MATCH LINE, SEE SHEET 10





J:\Jobs\60135\TECHPROD\Sheets\Index\CTSS\_PhaseD\_Index01.dwg - INTERCONNECT INDEX-5 (VOL 1) layout ~ last saved by: gburch 04/18/2017 11:13am ~ printed 03/18/2020 03:55pm

MATCH LINE, SEE SHEET 11



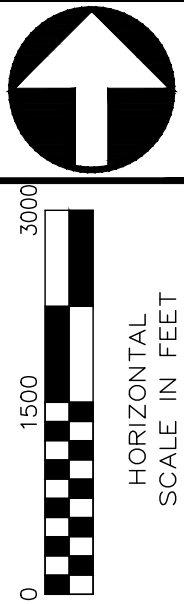
3150-E

MATCH LINE, SEE SHEET 9

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

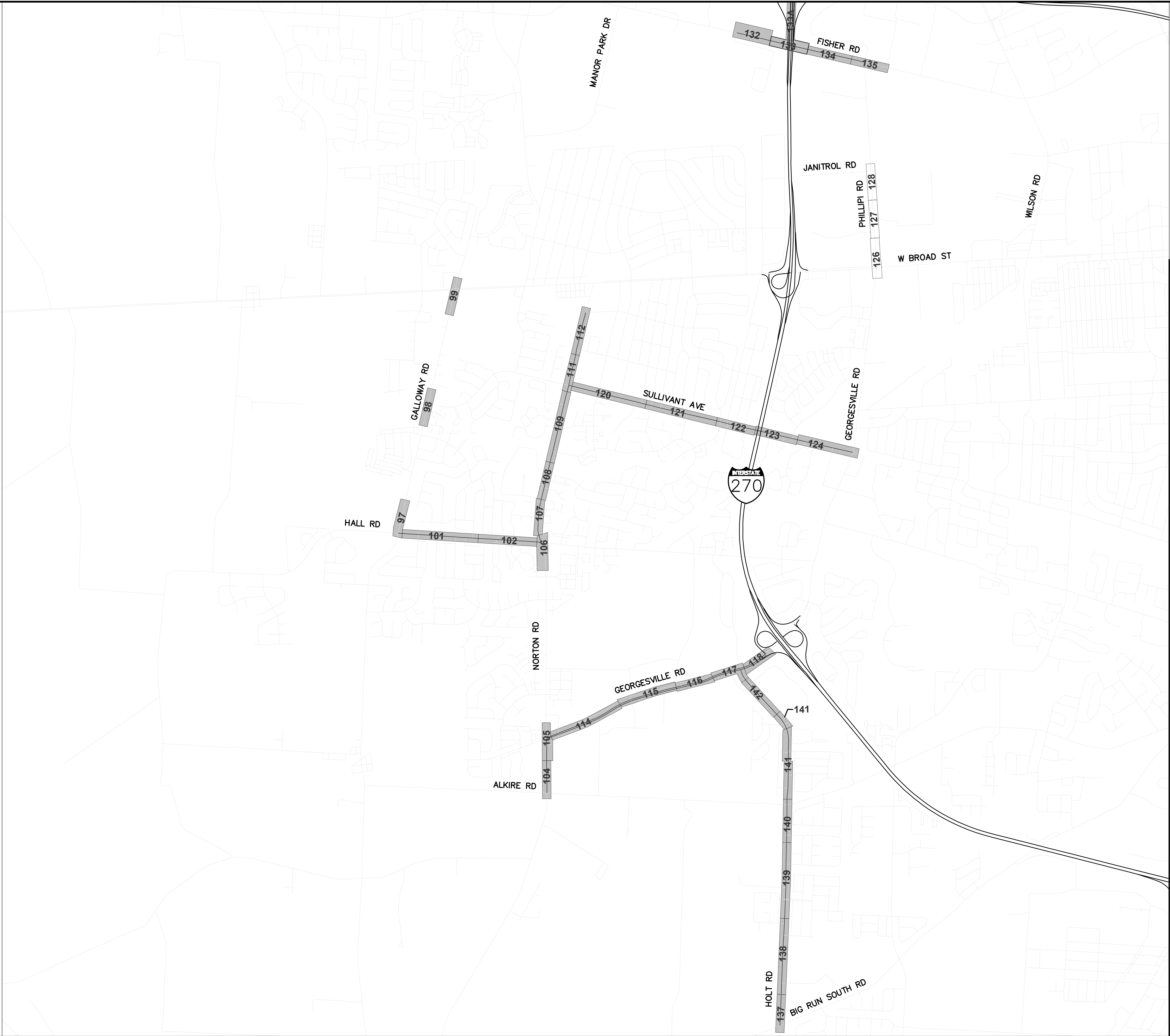
INTERCONNECT SHEET INDEX  
(5 OF 6)

CIP: 540007-100006  
PID NUMBER: 82573



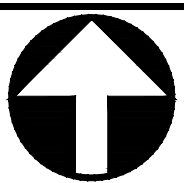


J:\jobs\60135\TECHPROD\Sheets\Index\CTSS\_PhD\_Index01.dwg - INTERCONNECT INDEX-6 (VOL 1) layout ~ last saved by: gburch 04/18/2017 11:13am ~ printed 03/18/2020 03:55pm



MATCH LINE, SEE SHEET 10

3150-E





J:\Jobs\60135\TCHPROD\Sheets\Index\CTSS\_Phd\_Index-List-placeholder.dwg -- INDEX LIST 1 OF 2 (VULI) layout ~ last saved by: gburch 09/13/2016 11:37am ~ printed 03/19/2020 03:56pm

| INT # | PLAN SHEET # | COMM SHEET # | INTERSECTION NAME                                         | CORRIDOR          | STATION                 |
|-------|--------------|--------------|-----------------------------------------------------------|-------------------|-------------------------|
| 0009  | 89           | N/A          | INT# 0009: CHESTNUT ST. AT THIRD ST.                      | THIRD ST.         | STA. 39+00 TO 46+00     |
| 0013  | 91           | N/A          | INT# 0013: MARCONI BLVD. AT SPRING ST.                    | SPRING ST.        | STA. 186+00 TO 193+00   |
| 0016  | 89           | N/A          | INT# 0016: SPRING ST. AT THIRD ST.                        | THIRD ST.         | STA. 39+00 TO 46+00     |
| 0025  | 88           | N/A          | INT# 0025: LONG ST. AT THIRD ST.                          | THIRD ST.         | STA. 33+00 TO 39+00     |
| 0027  | 95           | N/A          | INT# 0027: GRANT AVE. AT LONG ST.                         | GRANT AVE.        | STA. 29+00 TO 37+00     |
| 0035  | 87           | N/A          | INT# 0035: GAY ST. AT THIRD ST.                           | THIRD ST.         | STA. 26+00 TO 33+00     |
| 0038  | 95           | N/A          | INT# 0038: GAY ST. AT GRANT AVE.                          | GRANT AVE.        | STA. 29+00 TO 37+00     |
| 0041  | 86           | N/A          | INT# 0041: BROAD ST. AT THIRD ST.                         | THIRD ST.         | STA. 15+00 TO 26+00     |
| 0045  | 94           | N/A          | INT# 0045: BROAD ST. AT GRANT AVE.                        | GRANT AVE.        | STA. 23+00 TO 29+00     |
| 0051  | 93           | N/A          | INT# 0051: GRANT AVE. AT OAK ST.                          | GRANT AVE.        | STA. 15+00 TO 23+00     |
| 0056  | 86           | N/A          | INT# 0056: STATE ST. AT THIRD ST.                         | THIRD ST.         | STA. 15+00 TO 26+00     |
| 0059  | 93           | N/A          | INT# 0059: GRANT AVE. AT STATE ST.                        | GRANT AVE.        | STA. 15+00 TO 23+00     |
| 0063  | 85           | N/A          | INT# 0063: THIRD ST. AT TOWN ST.                          | THIRD ST.         | STA. 3+75 TO 15+00      |
| 0065  | 92           | N/A          | INT# 0065: GRANT AVE. AT TOWN ST.                         | GRANT AVE.        | STA. 3+75 TO 15+00      |
| 0070  | 85           | N/A          | INT# 0070: RICH ST. AT THIRD ST.                          | THIRD ST.         | STA. 3+75 TO 15+00      |
| 0072  | 92           | N/A          | INT# 0072: GRANT AVE. AT RICH ST.                         | GRANT AVE.        | STA. 3+75 TO 15+00      |
| 0076  | 81           | N/A          | INT# 0076: MAIN ST. AT THIRD ST.                          | MAIN ST.          | STA. 6+00 TO 17+00      |
| 0077  | 81           | N/A          | INT# 0077: FOURTH ST. AT MAIN ST.                         | MAIN ST.          | STA. 6+00 TO 17+00      |
| 0078  | 82           | N/A          | INT# 0078: FIFTH ST. AT MAIN ST.                          | MAIN ST.          | STA. 17+00 TO 28+00     |
| 0079  | 82           | N/A          | INT# 0079: GRANT AVE. AT MAIN ST.                         | MAIN ST.          | STA. 17+00 TO 28+00     |
| 0080  | 83           | N/A          | INT# 0080: MAIN ST. AT WASHINGTON AVE.                    | MAIN ST.          | STA. 28+00 TO 39+00     |
| 0098  | 87           | N/A          | INT# 0098: LYNN ST. AT THIRD ST.                          | THIRD ST.         | STA. 26+00 TO 33+00     |
| 0109  | 91           | N/A          | INT# 0109: SPRING ST. AT WEST ST.                         | SPRING ST.        | STA. 186+00 TO 193+00   |
| 1033  | 123          | 948          | INT# 1033: INDUSTRIAL MILE AVE. AT SULLIVANT AVE.         | SULLIVANT AVE.    | STA. 100+50 TO 113+00   |
| 1036  | 124          | 949          | INT# 1036: GEORGESVILLE RD. AT SULLIVANT AVE.             | SULLIVANT AVE.    | STA. 113+00 TO 131+00   |
| 1089  | 105          | 936          | INT# 1089: GEORGESVILLE RD. AT NORTON RD.                 | NORTON RD.        | STA. 12+50 TO 23+50     |
| 1091  | 111          | 939          | INT# 1091: NORTON RD. AT SULLIVANT AVE.                   | NORTON RD.        | STA. 120+50 TO 131+50   |
| 1094  | 106          | 937          | INT# 1094: HALL RD. AT NORTON RD.                         | NORTON RD.        | STA. 67+50 TO 78+00     |
| 1095  | 104          | 935          | INT# 1095: ALKIRE RD. AT NORTON RD.                       | NORTON RD.        | STA. 1+50 TO 12+50      |
| 1096  | 117          | 945          | INT# 1096: GEORGESVILLE RD. AT HOLT RD.                   | GEORGESVILLE RD.  | STA. 1027+00 TO 1036+50 |
| 1097  | 122          | 947          | INT# 1097: MURRAY HILL RD. AT SULLIVANT AVE.              | SULLIVANT AVE.    | STA. 89+00 TO 100+50    |
| 1098  | 108          | 938          | INT# 1098: NORTON RD. AT WESLIEGH RUN DR.                 | NORTON RD.        | STA. 88+50 TO 99+50     |
| 1100  | 118          | 946          | INT# 1100: GEORGESVILLE RD. AT I-270 SB RAMPS             | GEORGESVILLE RD.  | STA. 1036+50 TO 1046+00 |
| 1104  | 140          | 943          | INT# 1104: ALKIRE RD. AT HOLT RD.                         | HOLT RD.          | STA. 61+00 TO 73+50     |
| 1105  | 116          | 941          | INT# 1105: BOLTON FIELD ST. AT GEORGESVILLE RD.           | GEORGESVILLE RD.  | STA. 1016+00 TO 1027+00 |
| 1107  | 142          | 944          | INT# 1107: GEORGESVILLE SQUARE DR. AT HOLT RD.            | HOLT RD.          | STA. 94+00 TO 97+00     |
| 1109  | 99           | 934          | INT# 1109: BROAD ST. AT GALLOWAY RD.                      | GALLOWAY RD.      | STA. 67+00 TO 78+00     |
| 1111  | 98           | 933          | INT# 1111: GALLOWAY RD. AT SULLIVANT AVE.                 | GALLOWAY RD.      | STA. 34+00 TO 45+00     |
| 2033  | 145          | 911          | INT# 2033: E MAIN ST. AT EIGHTEENTH ST.                   | E MAIN ST.        | STA. 59+00 TO 70+00     |
| 2034  | 146          | 912          | INT# 2034: E MAIN ST. AT OHIO AVE.                        | E MAIN ST.        | STA. 70+00 TO 82+00     |
| 2035  | 147          | 913          | INT# 2035: CHAMPION AVE. AT E MAIN ST.                    | E MAIN ST.        | STA. 82+00 TO 94+00     |
| 2036  | 147          | 914          | INT# 2036: E MAIN ST. AT WILSON AVE.                      | E MAIN ST.        | STA. 82+00 TO 94+00     |
| 2037  | 149          | 915          | INT# 2037: E MAIN ST. AT MILLER AVE.                      | E MAIN ST.        | STA. 105+00 TO 111+00   |
| 2038  | 150          | 916          | INT# 2038: E MAIN ST. AT KELTON AVE.                      | E MAIN ST.        | STA. 111+00 TO 116+50   |
| 2039  | 153          | 917          | INT# 2039: E MAIN ST. AT FAIRWOOD AVE.                    | E MAIN ST.        | STA. 127+00 TO 138+00   |
| 2102  | 155          | 919          | INT# 2102: BRYDEN RD. AT S NELSON RD.                     | S NELSON RD.      | STA. 2+75 TO 13+00      |
| 2103  | 154          | 918          | INT# 2103: E MAIN ST. AT S NELSON RD.                     | E MAIN ST.        | STA. 138+00 TO 149+00   |
| 2104  | 156          | 920          | INT# 2104: ALUM CREEK DR. AT E MAIN ST.                   | E MAIN ST.        | STA. 149+00 TO 160+00   |
| 2114  | 160          | 921          | INT# 2114: MILLER AVE. AT MOOBERRY ST.                    | MOOBERRY ST.      | STA. 58+50 TO 63+00     |
| 2141  | 191          | 886          | INT# 2141: E MAIN ST. AT GOULD RD.                        | E MAIN ST.        | STA. 209+50 TO 216+50   |
| 2142  | 192          | 887          | INT# 2142: E MAIN ST. AT EASTMOOR BLVD.                   | E MAIN ST.        | STA. 216+50 TO 231+00   |
| 2143  | 194          | 889          | INT# 2143: E MAIN ST. AT WEYANT AVE.                      | E MAIN ST.        | STA. 242+00 TO 257+50   |
| 2144  | 195          | 890          | INT# 2144: BARNETT RD. AT E MAIN ST.                      | E MAIN ST.        | STA. 257+50 TO 265+50   |
| 2163  | 230          | 906          | INT# 2163: E MAIN ST. AT NOE-BIXBY RD.                    | E MAIN ST.        | STA. 414+00 TO 425+00   |
| 2164  | 234          | 907          | INT# 2164: E MAIN ST. AT I-270 NB OFF RAMP                | E MAIN ST.        | STA. 436+00 TO 447+00   |
| 2165  | 235          | 908          | INT# 2165: E MAIN ST. AT MCNAUGHTEN RD.                   | E MAIN ST.        | STA. 447+00 TO 458+00   |
| 2179  | 206          | 891          | INT# 2179: FAIR AVE. AT JAMES RD.                         | JAMES RD.         | STA. 17+00 TO 28+00     |
| 2180  | 193          | 888          | INT# 2180: E MAIN ST. AT JAMES RD.                        | E MAIN ST.        | STA. 231+00 TO 242+00   |
| 2187  | 236          | 909          | INT# 2187: E MAIN ST. AT MAIN I-270 CENTRE                | E MAIN ST.        | STA. 458+00 TO 463+00   |
| 2194  | 600          | 924          | INT# 2194: HAMILTON RD. AT WINCHESTER PIKE                | WINCHESTER PIKE   | STA. 60+00 TO 70+50     |
| 2199  | 603          | 926          | INT# 2199: NOE-BIXBY RD. AT WINCHESTER PIKE               | WINCHESTER PIKE   | STA. 92+50 TO 103+50    |
| 3001  | 163          | 871          | INT# 3001: E BROAD ST AT N SEVENTEENTH ST.                | N SEVENTEENTH ST. | STA. 0+00 TO 9+00       |
| 3003  | 165          | 873          | INT# 3003: E BROAD ST. AT OHIO AVE.                       | E BROAD ST.       | N/A                     |
| 3004  | 165          | 874          | INT# 3004: E BROAD ST. AT S CHAMPION AVE. / GOVERNORS PL. | E BROAD ST.       | N/A                     |
| 3005  | 167          | 875          | INT# 3005: E BROAD ST. AT WINNER AVE.                     | WINNER AVE.       | STA. 0+00 TO 8+50       |
| 3006  | 168          | 876          | INT# 3006: E BROAD ST. AT TAYLOR AVE.                     | TAYLOR AVE.       | STA. 0+00 TO 6+50       |
| 3007  | 169          | 877          | INT# 3007: E BROAD ST. AT PARKWOOD AVE.                   | PARKWOOD AVE.     | STA. 0+00 TO 5+50       |
| 3008  | 170          | 878          | INT# 3008: E BROAD ST. AT WOODLAND AVE.                   | WOODLAND AVE.     | STA. 0+00 TO 4+00       |
| 3009  | 172          | 879          | INT# 3009: E BROAD ST. AT N NELSON RD. / S NELSON RD.     | E BROAD ST.       | STA. 153+00 TO 159+00   |
| 3010  | 394          | 820          | INT# 3010: CLEVELAND AVE. AT SECOND AVE.                  | SECOND AVE.       | STA. 34+00 TO 44+00     |
| 3012  | 297          | 819          | INT# 3012: CLEVELAND AVE. AT FIFTH AVE.                   | FIFTH AVE.        | STA. 167+00 TO 175+00   |
| 3015  | 473          | 858          | INT# 3015: CLEVELAND AVE. AT SEVENTEENTH AVE.             | SEVENTEENTH AVE.  | STA. 28+00 TO 41+50     |
| 3020  | 490          | 844          | INT# 3020: CLEVELAND AVE. AT HUDSON ST.                   | HUDSON ST.        | STA. 119+00 TO 133+50   |

| INT # | PLAN SHEET # | COMM SHEET # | INTERSECTION NAME                                        | CORRIDOR                | STATION                 |
|-------|--------------|--------------|----------------------------------------------------------|-------------------------|-------------------------|
| 3025  | 529          | 790          | INT# 3025: ARCADIA AVE. AT INDIANOLA AVE.                | INDIANOLA AVE.          | STA. 1+00 TO 12+00      |
| 3026  | 539          | 800          | INT# 3026: COOKE RD. / OVERBROOK DR. AT INDIANOLA AVE.   | INDIANOLA AVE.          | STA. 107+00 TO 118+00   |
| 3027  | 542          | 802          | INT# 3027: COOKE RD. AT I-71 SB RAMPS                    | COOKE RD.               | STA. 1+50 TO 10+50      |
| 3029  | 544          | 803          | INT# 3029: COOKE RD. AT MAIZE RD.                        | COOKE RD.               | STA. 28+50 TO 42+00     |
| 3030  | 455          | 855          | INT# 3030: ELEVENTH AVE. AT I-71 NB RAMPS                | ELEVENTH AVE.           | STA. 26+75 TO 35+00     |
| 3031  | 455          | 854          | INT# 3031: ELEVENTH AVE. AT I-71 SB RAMPS                | ELEVENTH AVE.           | STA. 26+75 TO 35+00     |
| 3035  | 299          | 821          | INT# 3035: FIFTH AVE. AT I-71 SB RAMPS                   | FIFTH AVE.              | STA. 175+00 TO 181+00   |
| 3036  | 300          | 822          | INT# 3036: FIFTH AVE. AT I-71 NB RAMPS                   | FIFTH AVE.              | STA. 181+00 TO 192+00   |
| 3037  | 301          | 823          | INT# 3037: FIFTH AVE. AT ST. CLAIR AVE.                  | FIFTH AVE.              | STA. 192+00 TO 199+00   |
| 3038  | 481          | 784          | INT# 3038: HUDSON ST. AT INDIANOLA AVE.                  | HUDSON ST.              | STA. 33+00 TO 44+00     |
| 3039  | 481          | 785          | INT# 3039: HUDSON ST. AT SUMMIT ST.                      | HUDSON ST.              | STA. 33+00 TO 44+00     |
| 3040  | 482          | 786          | INT# 3040: FOURTH ST. AT HUDSON ST.                      | HUDSON ST.              | STA. 44+00 TO 53+50     |
| 3041  | 483          | 787          | INT# 3041: HUDSON ST. AT SILVER DR./I-71 SB OFF RAMP     | HUDSON ST.              | STA. 53+50 TO 57+00     |
| 3042  | 484          | 789          | INT# 3042: HUDSON ST. AT I-71 NB RAMPS                   | HUDSON ST.              | STA. 57+00 TO 64+00     |
| 3043  | 540          | 801          | INT# 3043: E COOKE RD. AT INDIANOLA AVE.                 | INDIANOLA AVE.          | STA. 118+00 TO 124+00   |
| 3046  | 534          | 798          | INT# 3046: INDIANOLA AVE. AT OAKLAND PARK AVE.           | INDIANOLA AVE.          | STA. 63+00 TO 74+00     |
| 3047  | 533          | 797          | INT# 3047: E NORTH BROADWAY AT INDIANOLA AVE.            | INDIANOLA AVE.          | STA. 57+00 TO 63+00     |
| 3048  | 531          | 791          | INT# 3048: INDIANOLA AVE. AT WEBER RD.                   | INDIANOLA AVE.          | STA. 23+00 TO 34+50     |
| 3051  | 536          | 799          | INT# 3051: ARDEN RD. AT INDIANOLA AVE.                   | INDIANOLA AVE.          | STA. 74+00 TO 85+00     |
| 3053  | 175          | 863          | INT# 3053: E LONG ST. AT SEVENTEENTH ST.                 | E LONG ST.              | STA. 1013+00 TO 1024+00 |
| 3056  | 177          | 864          | INT# 3056: E LONG ST. AT N CHAMPION AVE. / GOVERNORS PL. | E LONG ST.              | STA. 1039+00 TO 1046+00 |
| 3057  | 180          | 866          | INT# 3057: E LONG ST. AT TAYLOR AVE.                     | E LONG ST.              | STA. 1057+00 TO 1068+00 |
| 3059  | 184          | 869          | INT# 3059: E LONG ST. AT N NELSON RD.                    | N NELSON RD.            | STA. 42+75 TO 53+00     |
| 3061  | 471          | 856          | INT# 3061: I-71 NB RAMPS AT SEVENTEENTH AVE.             | SEVENTEENTH AVE.        | STA. 5+50 TO 17+00      |
| 3062  | 472          | 857          | INT# 3062: HAMILTON AVE. AT SEVENTEENTH AVE.             | SEVENTEENTH AVE.        | STA. 17+00 TO 28+00     |
| 3063  | 553          | 795          | INT# 3063: E NORTH BROADWAY AT SILVER DR.                | E NORTH BROADWAY        | STA. 157+50 TO 164+25   |
| 3064  | 553          | 796          | INT# 3064: E NORTH BROADWAY AT I-71 NB RAMPS             | E NORTH BROADWAY        | STA. 157+50 TO 164+25   |
| 3065  | 547          | 792          | INT# 3065: I-71 SB RAMPS AT WEBER RD.                    | WEBER RD.               | STA. 47+00 TO 58+00     |
| 3066  | 547          | 793          | INT# 3066: I-71 NB RAMPS AT WEBER RD.                    | WEBER RD.               | STA. 47+00 TO 58+00     |
| 3068  | 458          | 849          | INT# 3068: WEBER RD. AT WESTERVILLE RD.                  | WESTERVILLE RD.         | STA. 3+00 TO 10+00      |
| 3069  | 564          | 783          | INT# 3069: CALUMET ST. AT E NORTH BROADWAY               | E NORTH BROADWAY        | STA. 113+00 TO 124+50   |
| 3074  | 198          | 881          | INT# 3074: E BROAD ST. AT HARDING RD.                    | E BROAD ST.             | STA. 239+00 TO 245+00   |
| 3075  | 200          | 882          | INT# 3075: E BROAD ST. AT JAMES RD.                      | E BROAD ST.             | STA. 256+00 TO 263+00   |
| 3076  | 201          | 883          | INT# 3076: E BROAD ST. AT HAMPTON RD.                    | E BROAD ST.             | STA. 263+00 TO 274+00   |
| 3077  | 203          | 884          | INT# 3077: E BROAD ST. AT WEYANT AVE.                    | E BROAD ST.             | STA. 274+00 TO 285+00   |
| 3078  | 203          | 885          | INT# 3078: E BROAD ST. AT NAPOLEON AVE.                  | E BROAD ST.             | STA. 274+00 TO 285+00   |
| 3079  | 239          | 905          | INT# 3079: E BROAD ST. AT NOE-BIXBY RD.                  | E BROAD ST.             | STA. 415+00 TO 426+00   |
| 3091  | 189          | 861          | INT# 3091: MT VERNON AVE. AT TAYLOR AVE.                 | MT VERNON AVE.          | STA. 35+00 TO 50+00     |
| 3096  | 548          | 794          | INT# 3096: REIS AVE. AT WEBER RD.                        | WEBER RD.               | STA. 58+00 TO 64+00     |
| 3103  | 217          | 896          | INT# 3103: AIRCENTER DR. AT STELZER RD.                  | STELZER RD.             | STA. 37+00 TO 48+00     |
| 3110  | 197          | 880          | INT# 3110: E BROAD ST. AT GOULD RD.                      | E BROAD ST.             | STA. 231+00 TO 239+00   |
| 3111  | 242          | 902          | INT# 3111: FIFTH AVE. AT HAMILTON RD.                    | HAMILTON RD.            | STA. 469+00 TO 480+00   |
| 3112  | 244          | 903          | INT# 3112: HAMILTON RD. AT SAWYER RD.                    | HAMILTON RD.            | STA. 491+00 TO 502+00   |
| 3114  | 211          | 892          | INT# 3114: JAMES RD. AT MARYLAND AVE.                    | JAMES RD.               | STA. 73+00 TO 84+00     |
| 3115  | 211          | 893          | INT# 3115: JAMES RD. AT ROOSEVELT AVE. / RUHL AVE.       | JAMES RD.               | STA. 73+00 TO 84+00     |
| 3116  | 212          | 894          | INT# 3116: ALLEGHENY AVE. AT JAMES RD. / STELZER RD.     | JAMES RD. / STELZER RD. | STA. 84+00 TO 90+50     |
| 3117  | 215          | 895          | INT# 3117: SEVENTH AVE. AT STELZER RD.                   | STELZER RD.             | STA. 15+00 TO 26+00     |
| 3119  | 219          | 897          | INT# 3119: SEVENTEENTH AVE. AT STELZER RD.               | STELZER RD.             | STA. 60+00 TO 67+00     |
| 3123  | 185          | 870          | INT# 3123: CLIFTON AVE. / GREENWAY AVE. AT N NELSON RD.  | N NELSON RD.            | STA. 53+00 TO 57+00     |
| 3126  | 476          | 859          | INT# 3126: JOYCE AVE. AT SEVENTEENTH AVE.                | SEVENTEENTH AVE.        | STA. 52+50 TO 63+50     |
| 3127  | 479          | 860          | INT# 3127: SEVENTEENTH AVE. AT WOODLAND AVE.             | SEVENTEENTH AVE.        | STA. 78+50 TO 91+50     |
| 3128  | 465          | 851          | INT# 3128: AGLER RD. AT CLUBHOUSE DR./ KIPP SCHOOL       | AGLER RD.               | STA. 52+00 TO 65+00     |
| 3132  | 487          | 842          | INT# 3132: HUDSON ST. AT MCGUFFEY RD.                    | HUDSON ST.              | STA. 91+50 TO 97+00     |
| 3133  | 488          | 843          | INT# 3133: HAMILTON AVE. AT HUDSON ST.                   | HUDSON ST.              | STA. 97+00 TO 108+00    |
| 3135  | 492          | 845          | INT# 3135: HUDSON ST. AT JOYCE AVE.                      | HUDSON ST.              | STA. 144+00 TO 155+00   |
| 3136  | 493          | 847          | INT# 3136: HUDSON ST. AT PARKWOOD AVE.                   | HUDSON ST.              | STA. 155+00 TO 164+00   |
| 3138  | 466          | 852          | INT# 3138: AGLER RD. AT SUNBURY RD.                      | AGLER RD.               | STA. 65+00 TO 75+50     |
| 3142  | 501          | 841          | INT# 3142: MCGUFFEY RD. AT WEBER RD.                     | MCGUFFEY RD.            | STA. 34+00 TO 45+00     |
| 3146  | 504          | 827          | INT# 3146: E NORTH BROADWAY AT REIS AVE.                 | REIS AVE.               | STA. 2+25 TO 8+75       |
| 3148  | 506          | 828          | INT# 3148: MAIZE RD. AT OAKLAND PARK AVE.                | OAKLAND PARK AVE.       | STA. 70+00 TO 81+00     |
| 3149  | 507          | 829          | INT# 3149: ATWOOD TERRACE AT OAKLAND PARK AVE.           | OAKLAND PARK AVE.       | STA. 81+00 TO 92+00     |
| 3145  | 496          | 846          | INT# 3145: JOYCE AVE. AT MAYNARD AVE.                    | JOYCE AVE.              | STA. 35+00 TO 46+00     |
| 3151  | 509          | 831          | INT# 3151: KARL RD. AT OAKLAND PARK AVE.                 | OAKLAND PARK AVE.       | STA. 103+00 TO 114+00   |
| 3155  | 512          | 832          | INT# 3155: HUY RD. / LENORE AVE. AT KARL RD.             | KARL RD.                | STA. 12+00 TO 23+00     |
| 3157  | 514          | 833          | INT# 3157: ELMORE AVE. AT KARL RD.                       | KARL RD.                | STA. 34+00 TO 45+00     |
| 3158  | 517          | 834          | INT# 3158: COOKE RD. AT KARL RD.                         | KARL RD.                | STA. 54+00 TO 65+00     |
| 3183  | 391          | 694          | INT# 3183: SECOND AVE. AT SUMMIT ST.                     | SECOND AVE.             | STA. 1+25 TO 12+00      |
| 3196  | 334          | 712          | INT# 3196: INDIANOLA AVE. AT LANE AVE.                   | LANE AVE.               | STA. 128+00 TO 144+00   |
| 3204  | 238          | 904          | INT# 3204: CARDINAL PARK DR. AT E BROAD ST.              | E BROAD ST.             | STA. 404+00 TO 415+00   |
| 3280  | 485          | 788          | INT# 3280: I-71 SB RAMPS AT SILVER DR.                   | SILVER DR.              | STA. 3+00 TO 8+50       |
| 3296  | 220          | 898          | INT# 3296: INTERNATIONAL GATEWAY EB AT STELZER RD.       | STELZER RD.             | STA. 67+00 TO 72+00     |
| 3297  | 222          | 899          | INT# 3297: INTERNATIONAL GATEWAY WB AT STELZER RD.       | STELZER RD.             | STA. 72+00 TO 82+00     |
| 4000  | 336          | 763          | INT# 4000: ACKERMAN RD. AT KENNY RD.                     | ACKERMAN RD.            | STA. 0+00 TO 9+50       |
| 4001  | 337          | 764          | INT# 4001: ACKERMAN RD. AT SR 315 SB RAMPS               | ACKERMAN RD.            | STA. 9+50 TO 17+00      |



| INT # | PLAN SHEET # | COMM SHEET # | INTERSECTION NAME                                                      | CORRIDOR            | STATION               |
|-------|--------------|--------------|------------------------------------------------------------------------|---------------------|-----------------------|
| 4002  | 337          | 765          | INT# 4002: ACKERMAN RD. AT SR 315 NB RAMPS                             | ACKERMAN RD.        | STA. 9+50 TO 17+00    |
| 4003  | 338          | 766          | INT# 4003: ACKERMAN RD. AT FRED TAYLOR DR.                             | ACKERMAN RD.        | STA. 17+00 TO 27+50   |
| 4004  | 339          | 767          | INT# 4004: ACKERMAN RD. AT DEFIANCE DR.                                | ACKERMAN RD.        | STA. 27+50 TO 37+00   |
| 4005  | 262          | 768          | INT# 4005: ACKERMAN RD. / DODRIDGE ST. AT OLENTANGY RIVER RD.          | OLENTANGY RIVER RD. | STA. 202+00 TO 213+00 |
| 4006  | 420          | 719          | INT# 4006: ARCADIA AVE. AT N HIGH ST.                                  | N HIGH ST.          | STA. 203+00 TO 210+00 |
| 4007  | 416          | 717          | INT# 4007: DODRIDGE ST. AT N HIGH ST.                                  | N HIGH ST.          | STA. 199+00 TO 203+00 |
| 4008  | 418          | 718          | INT# 4008: DODRIDGE ST. AT NEIL AVE.                                   | DODRIDGE ST.        | STA. 21+50 TO 32+00   |
| 4009  | 421          | 720          | INT# 4009: N HIGH ST. AT OLENTANGY ST.                                 | N HIGH ST.          | STA. 210+00 TO 221+00 |
| 4010  | 386          | 687          | INT# 4010: GOODALE ST. AT N HIGH ST.                                   | N HIGH ST.          | STA. 41+00 TO 52+00   |
| 4011  | 386          | 689          | INT# 4011: N HIGH ST. AT RUSSELL ST.                                   | N HIGH ST.          | STA. 41+00 TO 52+00   |
| 4012  | 387          | 690          | INT# 4012: BOLLINGER PL. / BUTTLES AVE. AT N HIGH ST.                  | N HIGH ST.          | STA. 52+00 TO 63+00   |
| 4013  | 387          | 691          | INT# 4013: HUBBARD AVE. AT N HIGH ST.                                  | N HIGH ST.          | STA. 52+00 TO 63+00   |
| 4014  | 388          | 692          | INT# 4014: E FIRST AVE. / PRICE AVE. AT N HIGH ST.                     | N HIGH ST.          | STA. 63+00 TO 74+00   |
| 4015  | 389          | 693          | INT# 4015: E SECOND AVE. / W STARR AVE. AT N HIGH ST.                  | N HIGH ST.          | STA. 74+00 TO 83+00   |
| 4016  | 396          | 695          | INT# 4016: FOURTH AVE. AT N HIGH ST.                                   | N HIGH ST.          | STA. 83+00 TO 90+00   |
| 4017  | 397          | 696          | INT# 4017: FIFTH AVE. AT N HIGH ST.                                    | N HIGH ST.          | STA. 90+00 TO 101+00  |
| 4018  | 398          | 698          | INT# 4018: E SEVENTH AVE. / KING AVE. AT N HIGH ST.                    | N HIGH ST.          | STA. 101+00 TO 112+00 |
| 4019  | 399          | 700          | INT# 4019: N HIGH ST. AT W. TENTH AVE.                                 | N HIGH ST.          | STA. 112+00 TO 118+50 |
| 4020  | 401          | 702          | INT# 4020: CHITTENDEN AVE. AT N HIGH ST.                               | N HIGH ST.          | STA. 118+50 TO 125+00 |
| 4021  | 402          | 703          | INT# 4021: N HIGH ST. AT TWELFTH AVE.                                  | N HIGH ST.          | STA. 125+00 TO 136+00 |
| 4022  | 403          | 705          | INT# 4022: FIFTEENTH AVE. AT N HIGH ST.                                | N HIGH ST.          | STA. 136+00 TO 142+00 |
| 4023  | 404          | 706          | INT# 4023: N HIGH ST. AT SEVENTEENTH AVE.                              | N HIGH ST.          | STA. 142+00 TO 147+00 |
| 4024  | 407          | 707          | INT# 4024: EIGHTEENTH AVE. / MCDONALD'S AT N HIGH ST.                  | N HIGH ST.          | STA. 147+00 TO 152+00 |
| 4025  | 408          | 708          | INT# 4025: N HIGH ST. AT WOODRUFF AVE.                                 | N HIGH ST.          | STA. 152+00 TO 158+00 |
| 4026  | 409          | 710          | INT# 4026: LANE AVE. AT N HIGH ST.                                     | N HIGH ST.          | STA. 158+00 TO 167+00 |
| 4027  | 410          | 713          | INT# 4027: N HIGH ST. AT NORTHWOOD AVE.                                | N HIGH ST.          | STA. 167+00 TO 178+00 |
| 4028  | 410          | 714          | INT# 4028: N HIGH ST. AT PATTERSON AVE.                                | N HIGH ST.          | STA. 167+00 TO 178+00 |
| 4029  | 414          | 715          | INT# 4029: HUDSON ST. AT N HIGH ST.                                    | N HIGH ST.          | STA. 189+00 TO 199+00 |
| 4032  | 421          | 721          | INT# 4032: KELSO RD. AT N HIGH ST.                                     | N HIGH ST.          | STA. 210+00 TO 221+00 |
| 4033  | 422          | 722          | INT# 4033: N HIGH ST. AT WEBER RD.                                     | N HIGH ST.          | STA. 221+00 TO 232+00 |
| 4034  | 423          | 723          | INT# 4034: N HIGH ST. AT PACEMONT RD.                                  | N HIGH ST.          | STA. 232+00 TO 243+00 |
| 4035  | 424          | 724          | INT# 4035: COMO AVE. AT N HIGH ST.                                     | N HIGH ST.          | STA. 243+00 TO 254+00 |
| 4036  | 426          | 725          | INT# 4036: N HIGH ST. AT NORTH BROADWAY                                | N HIGH ST.          | STA. 254+00 TO 259+00 |
| 4037  | 427          | 726          | INT# 4037: N HIGH ST. AT OAKLAND PARK AVE.                             | N HIGH ST.          | STA. 259+00 TO 265+00 |
| 4038  | 428          | 727          | INT# 4038: N HIGH ST. AT TORRENCE RD.                                  | N HIGH ST.          | STA. 265+00 TO 276+00 |
| 4040  | 430          | 728          | INT# 4040: ACTON RD. / HOLLENBACK RD. AT N HIGH ST.                    | N HIGH ST.          | STA. 287+00 TO 298+00 |
| 4042  | 434          | 729          | INT# 4042: COOKE RD. AT N HIGH ST.                                     | N HIGH ST.          | STA. 320+00 TO 326+00 |
| 4043  | 435          | 730          | INT# 4043: E HENDERSON RD./ W HENDERSON RD. AT N HIGH ST.              | N HIGH ST.          | STA. 326+00 TO 331+00 |
| 4044  | 438          | 732          | INT# 4044: DOMINION BLVD. AT N HIGH ST.                                | N HIGH ST.          | STA. 331+00 TO 341+00 |
| 4045  | 439          | 733          | INT# 4045: N HIGH ST. AT WEISHEIMER RD.                                | N HIGH ST.          | STA. 341+00 TO 352+00 |
| 4047  | 442          | 734          | INT# 4047: MORSE RD. AT N HIGH ST.                                     | N HIGH ST.          | STA. 363+00 TO 374+00 |
| 4048  | 443          | 737          | INT# 4048: GRACELAND BLVD. AT N HIGH ST.                               | N HIGH ST.          | STA. 374+00 TO 385+00 |
| 4049  | 444          | 738          | INT# 4049: FENWAY RD. AT N HIGH ST.                                    | N HIGH ST.          | STA. 385+00 TO 396+00 |
| 4050  | 445          | 739          | INT# 4050: KANAWHA AVE. AT N HIGH ST.                                  | N HIGH ST.          | STA. 396+00 TO 407+00 |
| 4051  | 446          | 740          | INT# 4051: BROADMEADOWS BLVD. AT N HIGH ST.                            | N HIGH ST.          | STA. 407+00 TO 410+00 |
| 4052  | 333          | 709          | INT# 4052: LANE AVE. AT NEIL AVE.                                      | LANE AVE.           | STA. 109+50 TO 123+75 |
| 4053  | 332          | 761          | INT# 4053: LANE AVE. AT TUTTLE PARK PL                                 | LANE AVE.           | STA. 98+50 TO 109+50  |
| 4054  | 260          | 762          | INT# 4054: ARGYLL ST. AT OLENTANGY RIVER RD.                           | OLENTANGY RIVER RD. | STA. 180+00 TO 191+00 |
| 4055  | 309          | 826          | INT# 4055: CHAMBERS RD. AT NORTHWEST BLVD.                             | CHAMBERS RD.        | STA. 16+00 TO 27+00   |
| 4056  | 264          | 770          | INT# 4056: HARLEY DR. AT OLENTANGY RIVER RD.                           | OLENTANGY RIVER RD. | STA. 223+00 TO 234+00 |
| 4057  | 265          | 771          | INT# 4057: OLENTANGY RIVER RD. AT RIVERVIEW DR.                        | OLENTANGY RIVER RD. | STA. 234+00 TO 245+00 |
| 4058  | 267          | 772          | INT# 4058: KOHL'S / UNION CEMETERY AT OLENTANGY RIVER RD.              | OLENTANGY RIVER RD. | STA. 245+00 TO 255+50 |
| 4059  | 268          | 773          | INT# 4059: OLENTANGY RIVER RD. AT SR 315 NB OFF RAMP                   | OLENTANGY RIVER RD. | STA. 255+50 TO 261+00 |
| 4060  | 269          | 774          | INT# 4060: OLENTANGY RIVER RD. AT W NORTH BROADWAY                     | OLENTANGY RIVER RD. | STA. 261+00 TO 266+00 |
| 4061  | 271          | 776          | INT# 4061: OLENTANGY RIVER RD. AT SR 315 SB RAMP / THOMAS LN.          | OLENTANGY RIVER RD. | STA. 266+00 TO 277+50 |
| 4062  | 556          | 780          | INT# 4062: RIVERSIDE HOSPITAL / SR 315 NB OFF RAMP AT W NORTH BROADWAY | W NORTH BROADWAY    | STA. 34+00 TO 49+50   |
| 4063  | 559          | 781          | INT# 4063: SR 315 NB ON RAMP AT W NORTH BROADWAY                       | W NORTH BROADWAY    | STA. 60+00 TO 71+00   |
| 4064  | 561          | 782          | INT# 4064: MILTON AVE. AT W NORTH BROADWAY                             | W NORTH BROADWAY    | STA. 82+00 TO 88+00   |
| 4065  | 286          | 814          | INT# 4065: BATTELLE BLVD. AT FIFTH AVE.                                | FIFTH AVE.          | STA. 81+00 TO 92+00   |
| 4072  | 402          | 704          | INT# 4072: N HIGH ST. AT THIRTEENTH AVE.                               | N HIGH ST.          | STA. 125+00 TO 136+00 |
| 4078  | 289          | 816          | INT# 4078: MICHIGAN AVE. AT THIRD AVE.                                 | MICHIGAN AVE.       | STA. 2+00 TO 14+75    |
| 4079  | 250          | 742          | INT# 4079: OLENTANGY RIVER RD. AT THIRD AVE.                           | OLENTANGY RIVER RD. | STA. 78+00 TO 85+00   |
| 4080  | 276          | 808          | INT# 4080: NORTHWEST BLVD. AT THIRD AVE.                               | THIRD AVE.          | STA. 18+00 TO 25+00   |
| 4081  | 275          | 807          | INT# 4081: GRANDVIEW AVE. AT THIRD AVE.                                | THIRD AVE.          | STA. 7+00 TO 18+00    |
| 4082  | 292          | 817          | INT# 4082: DENNISON AVE. AT FIFTH AVE.                                 | FIFTH AVE.          | STA. 114+00 TO 124+00 |
| 4086  | 252          | 743          | INT# 4086: FIFTH AVE. AT OLENTANGY RIVER RD.                           | OLENTANGY RIVER RD. | STA. 95+50 TO 106+00  |
| 4087  | 285          | 810          | INT# 4087: EDGEHILL RD. AT FIFTH AVE.                                  | FIFTH AVE.          | STA. 57+00 TO 67+75   |
| 4088  | 282          | 748          | INT# 4088: FIFTH AVE. AT KENNY RD.                                     | FIFTH AVE.          | STA. 35+00 TO 46+00   |
| 4089  | 281          | 809          | INT# 4089: FIFTH AVE. AT NORTHWEST BLVD.                               | FIFTH AVE.          | STA. 24+00 TO 35+00   |
| 4090  | 280          | 806          | INT# 4090: FIFTH AVE. AT GRANDVIEW AVE.                                | FIFTH AVE.          | STA. 13+00 TO 24+00   |
| 4091  | 279          | 805          | INT# 4091: BROADVIEW AVE. AT FIFTH AVE.                                | FIFTH AVE.          | STA. 2+00 TO 13+00    |
| 4094  | 314          | 813          | INT# 4094: BATTELLE BLVD. / BELMONT AVE. AT KING AVE.                  | KING AVE.           | STA. 114+00 TO 119+00 |
| 4095  | 313          | 812          | INT# 4095: CANNON DR. AT KING AVE.                                     | KING AVE.           | STA. 105+00 TO 114+00 |
| 4096  | 254          | 744          | INT# 4096: KING AVE. AT OLENTANGY RIVER RD.                            | OLENTANGY RIVER RD. | STA. 106+00 TO 117+00 |

| INT #          | PLAN SHEET # | COMM SHEET # | INTERSECTION NAME                                                   | CORRIDOR                       | STATION               |
|----------------|--------------|--------------|---------------------------------------------------------------------|--------------------------------|-----------------------|
| 4097           | 308          | 749          | INT# 4097: KENNY RD. AT KING AVE.                                   | KING AVE.                      | STA. 60+00 TO 68+00   |
| 4098           | 307          | 825          | INT# 4098: KING AVE. AT NORTHWEST BLVD.                             | KING AVE.                      | STA. 49+00 TO 60+00   |
| 4099           | 305          | 824          | INT# 4099: KING AVE. AT NORTH STAR RD.                              | KING AVE.                      | STA. 27+00 TO 38+00   |
| 4103           | 399          | 699          | INT# 4103: E NINTH AVE. AT N HIGH ST.                               | N HIGH ST.                     | STA. 112+00 TO 118+50 |
| 4104           | 415          | 716          | INT# 4104: HUDSON ST. AT NEIL AVE.                                  | HUDSON ST.                     | STA. 1+00 TO 7+25     |
| 4105           | 555          | 779          | INT# 4105: SHATTUCK AVE. AT W NORTH BROADWAY                        | W NORTH BROADWAY               | STA. 23+00 TO 34+00   |
| 4106           | 273          | 778          | INT# 4106: HIGHLAND DR. AT OLENTANGY RIVER RD.                      | OLENTANGY RIVER RD.            | STA. 289+00 TO 300+00 |
| 4107           | 401          | 701          | INT# 4107: E ELEVENTH AVE. AT N HIGH ST.                            | N HIGH ST.                     | STA. 118+50 TO 125+00 |
| 4108           | 436          | 731          | INT# 4108: HENDERSON RD. AT OLENTANGY BLVD.                         | HENDERSON RD.                  | STA 238+00 TO 249+00  |
| 4154           | 286          | 811          | INT# 4154: FIFTH AVE. AT TISDALE ST.                                | FIFTH AVE.                     | STA. 81+00 TO 92+00   |
| 4156           | 279          | 804          | INT# 4156: FIFTH AVE. AT NORTH STAR RD.                             | FIFTH AVE.                     | STA. 2+00 TO 13+00    |
| 4157           | 323          | 752          | INT# 4157: KENNY RD. AT WOODY HAYES DR.                             | KENNY RD.                      | STA. 49+00 TO 60+00   |
| 4158           | 324          | 754          | INT# 4158: KENNY RD. AT LANE AVE.                                   | KENNY RD.                      | STA. 60+00 TO 68+00   |
| 4159           | 327          | 755          | INT# 4159: LANE AVE. AT SR 315 SB RAMPS                             | LANE AVE.                      | STA. 61+00 TO 70+00   |
| 4160           | 327          | 756          | INT# 4160: LANE AVE. AT SR 315 NB RAMPS                             | LANE AVE.                      | STA. 61+00 TO 70+00   |
| 4161           | 328          | 757          | INT# 4161: FYFFE RD. / FRED TAYLOR DR. AT LANE AVE.                 | LANE AVE.                      | STA. 70+00 TO 76+00   |
| 4162           | 329          | 758          | INT# 4162: LANE AVE. AT OLENTANGY RIVER RD.                         | LANE AVE.                      | STA. 76+00 TO 87+00   |
| 4163           | 257          | 747          | INT# 4163: JOHN HERRICK DR. AT OLENTANGY RIVER RD.                  | OLENTANGY RIVER RD.            | STA. 137+00 TO 140+50 |
| 4194           | 255          | 745          | INT# 4194: LENNOX TOWN CENTER AT OLENTANGY RIVER RD.                | OLENTANGY RIVER RD.            | STA. 117+00 TO 133+00 |
| 4195           | 256          | 746          | INT# 4195: KINNEAR RD. AT OLENTANGY RIVER RD.                       | OLENTANGY RIVER RD.            | STA. 133+00 TO 137+00 |
| 4196           | 321          | 753          | INT# 4196: KINNEAR RD. AT SR 315 SB RAMPS                           | KINNEAR RD.                    | STA. 51+00 TO 60+00   |
| 4223           | 135          | 957          | INT# 4223: FISHER RD. AT PHILLIPI RD.                               | FISHER RD.                     | STA. 84+00 TO 91+00   |
| 4242           | 331          | 760          | INT# 4242: LANE AVE. AT PERRY ST.                                   | LANE AVE.                      | STA. 87+00 TO 98+50   |
| 4248           | 272          | 777          | INT# 4248: MCCONNELL HEART HOSPITAL AT OLENTANGY RIVER RD.          | OLENTANGY RIVER RD.            | STA. 277+50 TO 289+00 |
| 4254           | 248          | 741          | INT# 4254: OLENTANGY RIVER RD. AT TIME WARNER DR. / GOWDY FIELD DR. | OLENTANGY RIVER RD.            | STA. 56+00 TO 67+00   |
| N001           | 518          | 835          | INT# N001: FERRIS RD. AT KARL RD.                                   | KARL RD.                       | STA. 65+00 TO 76+00   |
| N002           | 519          | 837          | INT# N002: EVALINE DR. AT KARL RD.                                  | KARL RD.                       | STA. 76+00 TO 87+00   |
| N003           | 519          | 838          | INT# N003: KARL RD. AT SHANLEY DR.                                  | KARL RD.                       | STA. 76+00 TO 87+00   |
| N005           | 450          | 735          | INT# N005: INDIANOLA AVE. AT MORSE RD.                              | MORSE RD.                      | STA. 45+50 TO 53+50   |
| N012           | 521          | 839          | INT# N012: KARL RD. AT MORSE RD.                                    | KARL RD.                       | STA. 100+50 TO 106+50 |
| SIG4005        | 463          | 850          | INT# SIG4005: AGLER RD. AT PERDUE AVE.                              | AGLER RD.                      | STA. 21+00 TO 32+00   |
| SIG4015        | 468          | 853          | INT# SIG4015: AGLER RD./SUNBURY DR AT SUNBURY RD.                   | SUNBURY RD.                    | STA. 12+50 TO 23+50   |
| SIG4045        | 316          | 750          | INT# SIG4045: CHAMBERS RD. AT KENNY RD.                             | KENNY RD.                      | STA. 11+50 TO 20+00   |
| SIG4115        | 524          | 836          | INT# SIG4115: FERRIS RD. AT WALFORD ST.                             | FERRIS RD.                     | STA. 23+50 TO 40+50   |
| SIG4200        | 318          | 751          | INT# SIG4200: KENNY RD. AT KINNEAR RD.                              | KENNY RD.                      | STA. 27+00 TO 38+00   |
| SIG4250        | 112          | 940          | INT# SIG4250: NORTON RD. AT PALMETTO ST.                            | NORTON RD.                     | STA. 131+50 TO 145+50 |
| SIG4295        | 224          | 900          | INT# SIG4295: JOHNSTOWN RD. AT STELZER RD.                          | STELZER RD.                    | STA. 93+00 TO 97+00   |
| SIG4335        | 128          | 955          | INT# SIG4335: JANITROL RD. AT PHILLIPI RD.                          | PHILLIPI RD.                   | STA. 19+50 TO 30+00   |
| SIG4340        | 127          | 954          | INT# SIG4340: BIG LOTS ENTRANCE #1 AT PHILLIPI RD.                  | PHILLIPI RD.                   | STA. 8+50 TO 19+50    |
| SIG4730        | 97           | 932          | INT# SIG4730: GALLOWAY RD. AT HALL RD.                              | GALLOWAY RD.                   | STA. 1+00 TO 12+00    |
| SIG4785        | 137          | 942          | INT# SIG4785: BIG RUN SOUTH RD. AT HOLT RD.                         | HOLT RD.                       | STA. 6+00 TO 17+00    |
| SIG4900        | 228          | 901          | INT# SIG4900: BRIDGEWAY AVE. AT JOHNSTOWN RD.                       | JOHNSTOWN RD.                  | STA. 24+00 TO 28+00   |
| SIG4910        | 597          | 922          | INT# SIG4910: WATKINS RD./ASKINS RD AT WINCHESTER PIKE              | WINCHESTER PIKE                | STA. 5+00 TO 16+00    |
| SIG4920        | 606          | 927          | INT# SIG4920: EBRIGHT RD./SHANNON RD. AT WINCHESTER PIKE            | WINCHESTER PIKE                | STA. 125+50 TO 136+50 |
| SIG4940        | 611          | 928          | INT# SIG4940: BRICE RD./BIXBY RD. AT WINCHESTER PIKE                | WINCHESTER PIKE                | STA. 224+50 TO 238+50 |
| FCEO FACILITY  | 132          | 956          | INT# FCEO FACILITY: FACILITY AT FISHER RD. (WEST MAINTENANCE)       | FISHER RD. (WEST MAINTENANCE)  | STA. 49+00 TO 60+00   |
| FCEO FACILITY2 | 613          | 930          | INT# FCEO FACILITY2: FACILITY AT HENDRON RD. (EAST MAINTENANCE)     | HENDRON RD. (EAST MAINTENANCE) | STA. 34+00 TO 45+50   |



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| PRIMARY SHEET # | SECONDARY SHEET # | UTILITY CROSSING ID# | STATION         | UTILITY TYPE/SIZE | TOP OF EXISTING UTILITY | EXISTING GROUND ELEVATION | BOTTOM OF PROPOSED ELEVATION | VERTICAL SEPARATION FEET | UTILITY REFERENCE PLAN OR OWNER |
|-----------------|-------------------|----------------------|-----------------|-------------------|-------------------------|---------------------------|------------------------------|--------------------------|---------------------------------|
| 118             |                   | 1                    | 1041+96, 56' LT | 8" STORM (ABAN)   | -                       | 893.9 FG                  | 890.9                        | -                        | LOCATED BY SURVEY               |
| 118             |                   | 2                    | 1042+78, 58' LT | 48" STORM         | 889.1 LEVB              | 893.0 FG                  | 890.1 *(+)                   | 1.0                      | LOCATED BY SURVEY               |
| 123             |                   | 1                    | 103+41, 54' RT  | 16" WATER         | 864.4 S                 | 879.4 LEVC                | 876.4                        | 12.0                     | CTP0364_005                     |
| 133             |                   | 4                    | 64+32, 84' RT   | 27" SANITARY      | 870.5 C                 | 889.1 LEVC                | 886.1                        | 15.6                     | RP02703                         |
| 133             |                   | 2                    | 67+85, 74' RT   | 27" SANITARY      | 868.4 C                 | 893.5 LEVC                | 890.5                        | 22.1                     | RP02703                         |
| 133             |                   | 3                    | 67+87, 110' RT  | 8" GAS            | -                       | 880.6 LEVC                | 877.6                        | -                        | COLUMBIA GAS                    |
| 133             |                   | 4                    | 67+88, 116' RT  | FIBER OPTIC       | -                       | 880.6 LEVC                | 877.6                        | -                        | COLUMBUS FIBER NET - 4C-1B      |
| 137             |                   | 1                    | 7+77, 61' RT    | ELECTRIC          | -                       | 886.4 LEVB                | 883.4                        | -                        | BIG RUN SOUTH RD @ HOLT RD      |
| 137             |                   | 2                    | 8+15, 95' RT    | ELECTRIC          | -                       | 886.2 LEVB                | 883.2                        | -                        | BIG RUN SOUTH RD @ HOLT RD      |
| 140             |                   | 1                    | 73+37, 44' RT   | 96" STORM         | 889.0 S                 | 891.5 LEVC                | 890.0 *(+)                   | 1.0                      | CC11958                         |
| 141             |                   | 1                    | 73+51, 41' RT   | 12" STORM         | 885.3 C                 | 890.0 LEVB                | 887.0                        | 1.7                      | CC11958                         |
| 141             |                   | 2                    | 73+65, 35' RT   | ELECTRIC          | -                       | 889.7 LEVB                | 886.7                        | -                        | AEP - S1824696                  |
| 141             |                   | 3                    | 74+27, 30' RT   | WATER SERVICE     | -                       | 890.2 LEVB                | 887.2                        | -                        | SERVICE                         |
| 141             |                   | 4                    | 74+54, 30' RT   | 3" GAS            | -                       | 890.0 LEVB                | 887.0                        | -                        | COLUMBIA GAS                    |
| 141             |                   | 5                    | 76+42, 24' RT   | 3" GAS            | -                       | 891.8 LEVB                | 888.8                        | -                        | COLUMBIA GAS                    |
| 141             |                   | 6                    | 89+01, 28' RT   | TELECOMS          | -                       | 890.3 LEVB                | 887.3                        | -                        | TIME WARNER CABLE               |
| 141             |                   | 7                    | 89+03, 28' RT   | ELECTRIC          | -                       | 890.3 LEVB                | 887.3                        | -                        | AEP - S1824698                  |
| 141             |                   | 8                    | 90+59, 38' RT   | 6" WATER          | 884.3 LEVA              | 889.2 LEVA                | 886.2                        | 1.9                      | P2 688_01                       |
| 141             |                   | 9                    | 91+90, 34' RT   | 18" STORM         | 883.7 LEVB              | 886.3 LEVB                | 884.7 *(+)                   | 1.0                      | CC10578                         |
| 141             |                   | 10                   | 92+72, 32' RT   | 8" WATER          | 883.4 LEVA              | 887.6 LEVA                | 884.6                        | 1.2                      | WL1995-34_004                   |
| 141             |                   | 11                   | 94+25, 22' RT   | 8" SANITARY       | 880.8 C                 | 888.8 LEVB                | 885.8                        | 5.0                      | CC09748                         |
| 141             |                   | 12                   | 94+50, 23' RT   | 36" STORM         | 884.0 C                 | 889.1 LEVB                | 886.1                        | 2.1                      | D04017                          |
| 217             |                   | 1                    | 43+52, 54' LT   | 30" STORM         | 802.8 LEVB              | 805.6 LEVB                | 803.8 *(+)                   | 1.0                      | CC07826                         |
| 222             |                   | 1                    | 74+41, 63' LT   | (2) - 6" STORM    | 802.6 C                 | 806.9 LEVC                | 803.9                        | 1.3                      | LOCATED BY SURVEY               |
| 222             |                   | 2                    | 75+14, 58' LT   | (2) - 6" STORM    | 802.4 C                 | 807.6 LEVC                | 804.6                        | 2.2                      | LOCATED BY SURVEY               |
| 222             |                   | 3                    | 75+64, 59' LT   | (4) - 6" STORM    | 802.4 C                 | 807.6 LEVC                | 804.6                        | 2.2                      | LOCATED BY SURVEY               |
| 222             |                   | 4                    | 75+76, 48' LT   | 18" STORM         | 802.1 S                 | 804.7 LEVC                | 803.1 *(+)                   | 1.0                      | CC09526                         |
| 222             |                   | 5                    | 75+91, 43' LT   | WATER SERVICE     | 803.2 LEVA              | 807.4 LEVB                | 804.4                        | 1.2                      | LOCATED BY SURVEY               |
| 222             |                   | 6                    | 76+64, 44' LT   | 8" STORM          | 802.9 S                 | 805.5 LEVC                | 801.1 *(-)                   | -1.8                     | CC09526                         |
| 222             |                   | 7                    | 78+21, 39' LT   | 12" STORM         | 804.0 C                 | 806.5 LEVC                | 805.5 *(+)                   | 1.5                      | LOCATED BY SURVEY               |
| 222             |                   | 8                    | 78+52, 39' LT   | 18" STORM         | 802.7 S                 | 806.0 FG                  | 803.7 *(+)                   | 1.0                      | CC09526                         |
| 222             |                   | 9                    | 79+13, 40' LT   | WATER SERVICE     | 804.5 LEVA              | 807.6 FG                  | 802.0 *(-)                   | -2.5                     | E02347_211                      |
| 222             |                   | 10                   | 80+60, 31' LT   | WATER SERVICE     | 800.0 S                 | 807.5 FG                  | 804.5                        | 4.5                      | E02347_212                      |
| 223             |                   | 1                    | 87+89, 45' LT   | 18" STORM         | 806.1 C                 | 808.0 LEVC                | 803.3 *(-)                   | -2.8                     | LOCATED BY SURVEY               |
| 223             |                   | 2                    | 90+82, 45' LT   | 18" SANITARY      | 797.6 C                 | 808.0 FG                  | 805.0                        | 7.4                      | RP04039                         |
| 224             |                   | 1                    | 96+61, 73' LT   | 108" STORM        | 809.2 S                 | 810.9 LEVC                | 810.2 *(+)                   | 1.0                      | E02908_030                      |
| 225             |                   | 1                    | 97+29, 45' LT   | TELECOMS          | 807.6 S                 | 810.2 FG                  | 807.2                        | -0.4                     | E02908_050                      |
| 225             |                   | 2                    | 97+31, 44' LT   | TELECOMS          | 807.6 S                 | 810.2 FG                  | 807.2                        | -0.4                     | E02908_050                      |
| 225             |                   | 3                    | 97+32, 39' LT   | FIBER OPTIC       | 807.6 S                 | 810.0 FG                  | 807.0                        | -0.6                     | E02908_050                      |
| 225             |                   | 4                    | 97+32, 38' LT   | 4" STORM          | 806.7 S                 | 810.1 LEVC                | 807.7 *(+)                   | 1.0                      | E02908_032                      |
| 225             |                   | 5                    | 98+77, 23' RT   | 48" WATER         | 803.8 S                 | 809.8 FG                  | 806.8                        | 3.0                      | E02908_051                      |
| 225             |                   | 6                    | 98+77, 31' RT   | 4" GAS            | 806.9 LEVA              | 809.7 LEVB                | 807.9 *(+)                   | 1.0                      | E02908_051                      |
| 225             |                   | 7                    | 98+77, 35' RT   | 4" STORM          | 806.5 S                 | 809.7 LEVC                | 807.5 *(+)                   | 1.0                      | E02908_032                      |
| 225             | 636               | 8                    | 99+81, 49' RT   | 12" STORM         | 807.5 C                 | 810.7 LEVC                | 808.5 *(+)                   | 1.0                      | E02908_032                      |
| 225             | 636               | 9                    | 99+83, 53' RT   | 12" STORM         | 807.4 C                 | 810.7 LEVC                | 808.4 *(+)                   | 1.0                      | E02908_032                      |
| 225             |                   | 10                   | 101+97, 39' LT  | 4" STORM          | 809.2 S                 | 812.5 LEVC                | 810.2 *(+)                   | 1.0                      | E02908_033                      |
| 225             |                   | 11                   | 101+97, 48' LT  | FIBER OPTIC       | 810.2 S                 | 811.9 FG                  | 808.9                        | -1.3                     | E02908_053                      |
| 225             |                   | 12                   | 101+97, 51' LT  | 12" STORM         | 809.0 S                 | 812.0 FG                  | 810.0 *(+)                   | 1.0                      | FRA-CR-177 (E02908_053)         |
| 225             |                   | 13                   | 101+96, 63' LT  | TELECOMS          | -                       | 812.3 FG                  | 809.3                        | -                        | E02908_053                      |
| 225             |                   | 14                   | 101+96, 63' LT  | TELECOMS          | -                       | 812.3 FG                  | 809.3                        | -                        | E02908_053                      |
| 225             |                   | 15                   | 102+24, 72' LT  | 27" STORM         | 809.3 LEVB              | 811.0 FG                  | 805.5 *(-)                   | -3.8                     | FRA-CR-177 (E02908_053)         |
| 225             |                   | 16                   | 102+58, 71' LT  | 12" STORM         | 809.2 LEVB              | 812.6 FG                  | 810.2 *(+)                   | 1.0                      | FRA-CR-177 (E02908_053)         |
| 225             |                   | 17                   | 103+41, 61' LT  | TELECOMS          | 810.7 S                 | 812.0 FG                  | 809.0                        | -1.7                     | E02908_053                      |
| 225             |                   | 18                   | 103+88, 57' LT  | TELECOMS          | 810.7 S                 | 812.0 FG                  | 809.0                        | -1.7                     | E02908_053                      |
| 225             |                   | 19                   | 103+97, 57' LT  | 12" STORM         | 810.1 LEVB              | 813.0 FG                  | 811.1 *(+)                   | 1.0                      | FRA-CR-177 (E02908_053)         |
| 230             |                   | 1                    | 416+63, 54' LT  | LIGHTING          | -                       | 778.0 FG                  | 775.0                        | -                        | FRA-270-41.32                   |
| 230             |                   | 2                    | 416+57, 35' RT  | LIGHTING          | -                       | 778.0 FG                  | 775.0                        | -                        | FRA-270-41.32                   |
| 230             |                   | 3                    | 416+56, 49' RT  | TRAFFIC CONDUIT   | -                       | 776.8 FG                  | 773.8                        | -                        | LOCATED BY SURVEY               |
| 230             |                   | 4                    | 420+38, 63' RT  | LIGHTING          | -                       | 874.2 FG                  | 871.2                        | -                        | FRA-270-41.32                   |
| 230             |                   | 5                    | 423+20, 78' RT  | LIGHTING          | -                       | 792.1 FG                  | 789.1                        | -                        | FRA-270-41.32                   |
| 230             |                   | 6                    | 424+63, 92' RT  | 21" SANITARY      | 772.5 S                 | 792.0 FG                  | 789.0                        | 16.5                     | FRA-270-20.21&31.76N            |
| 231             | 634               | 1                    | 426+84, 53' RT  | LIGHTING          | -                       | 792.0 FG                  | 789.0                        | -                        | FRA-270-41.32                   |
| 231             | 634               | 2                    | 427+30, 53' RT  | LIGHTING          | -                       | 792.2 FG                  | 789.2                        | -                        | FRA-270-41.32                   |
| 231             | 634               | 3                    | 428+51, 47' RT  | TRAFFIC CONDUIT   | -                       | 797.7 FG                  | 794.7                        | -                        | LOCATED BY SURVEY               |
| 239             |                   | 1                    | 420+42, 62' RT  | LIGHTING          | -                       | 800.6 FG                  | 797.6                        | -                        | FRA-270-30.32N                  |
| 239             |                   | 2                    | 420+61, 59' RT  | LIGHTING          | -                       | 800.7 FG                  | 797.7                        | -                        | FRA-270-30.32N                  |
| 239             |                   | 3                    | 420+61, 59' RT  | 12" STORM         | 797.8 S                 | 800.7 LEVC                | 798.8 *(+)                   | 1.0                      | FRA-270-30.32N (VO1322816)      |
| 239             |                   | 4                    | 425+60, 62' LT  | LIGHTING          | -                       | 806.2 FG                  | 803.2                        | -                        | FRA-270-30.32N                  |
| 268             | 641               | 1                    | 257+19, 88' LT  | 72" STORM         | 739.5 S                 | 740.0 LEVB                | 729.5 *(-)                   | -10.0                    | FRA-315-5.20                    |
| 268             | 641               | 2                    | 258+02, 85' LT  | 6" GAS            | 733.3 LEVA              | 740.1 LEVB                | 737.1                        | 3.8                      | E03004                          |
| 268             | 641               | 3                    | 258+27, 82' LT  | LIGHTING          | -                       | 741.0 LEVB                | 738.0                        | -                        | E03004                          |

FG: SURFACE ELEVATION DETERMINED BY FRANKLIN COUNTY GIS, ACCURACY OF ±0.5'  
REF: SURFACE ELEVATION REFERENCED BY SURVEYING FROM AN ARBITRARY REFERENCE ELEVATION  
LEVA: FIELD VERIFIED ELEVATION, LEVEL A SUE  
LEVB: FIELD VERIFIED ELEVATION, LEVEL B SUE  
LEVC: FIELD VERIFIED ELEVATION, LEVEL C SUE  
S: ELEVATION SCALED FROM PLANS  
C: ELEVATION CALCULATED USING INVERT FROM COC DEPT OF PUBLIC WORKS GIS DATABASE  
UND: ELEVATIONS COULD NOT BE DETERMINED FROM RECORD PLANS AND WILL BE SHOWN AFTER THE FIELD SUE INVESTIGATION  
-: VARYING ELEVATIONS. DEPTHS ARE UNKNOWN  
\*(+): PROPOSED CONDUIT HAS BEEN ADJUSTED ABOVE THE TOP OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'  
\*(-): PROPOSED CONDUIT HAS BEEN ADJUSTED BELOW THE BOTTOM OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'

| PRIMARY SHEET # | SECONDARY SHEET # | UTILITY CROSSING ID# | STATION          | UTILITY TYPE/SIZE | TOP OF EXISTING UTILITY | EXISTING GROUND ELEVATION | BOTTOM OF PROPOSED ELEVATION | VERTICAL SEPARATION FEET | UTILITY REFERENCE PLAN OR OWNER |
|-----------------|-------------------|----------------------|------------------|-------------------|-------------------------|---------------------------|------------------------------|--------------------------|---------------------------------|
| 268             | 641               | 4                    | 258+60, 77' LT   | 15" STORM         | 739.9 LEVB              | 740.9 LEVB                | 736.9 *(-)                   | -3.0                     | FRA-315-5.20                    |
| 268             | 641               | 5                    | 258+96, 72' LT   | TRAFFIC CONDUIT   | -                       | 741.4 LEVB                | 738.4                        | -                        | E02643                          |
| 268             | 641               | 6                    | 259+11, 70' LT   | TRAFFIC CONDUIT   | -                       | 742.5 LEVB                | 739.5                        | -                        | E03150                          |
| 268             | 641               | 7                    | 259+27, 58' LT   | FIBER OPTIC       | -                       | 742.9 LEVB                | 739.9                        | -                        | E03004                          |
| 268             | 641               | 8                    | 259+27, 54' LT   | 15" STORM         | 740.7 S                 | 742.9 LEVB                | 737.6 *(-)                   | -3.1                     | FRA-315-5.20                    |
| 268             | 641               | 9                    | 259+28, 45' LT   | 20" WATER         | 738.3 LEVA              | 742.4 LEVB                | 735.3 *(-)                   | -3.0                     | CTP0161_020                     |
| 268             | 641               | 10                   | 259+28, 45' LT   | 8" WATER          | 740.5 LEVA              | 742.4 LEVB                | 735.3 *(-)                   | -5.2                     | LOCATED BY SURVEY               |
| 268             | 641               | 11                   | 259+36, 31' RT   | 42" WATER         | 736.8 LEVA              | 742.1 LEVB                | 739.1                        | 2.3                      | CTP0786_018                     |
| 327             | 638               | 1                    | 62+19, 135' LT   | 24" STORM         | 735.0 S                 | 738.0 LEVC                | 736.0 *(+)                   | 1.0                      | E02856_028                      |
| 327             | 638               | 2                    | 62+37, 137' LT   | LIGHTING          | -                       | 736.0 FG                  | 733.0                        | -                        | E02856                          |
| 327             | 638               | 3                    | 64+76, 151' LT   | TRAFFIC CONDUIT   | -                       | 757.0 FG                  | 754.0                        | -                        | E02856                          |
| 327             | 638               | 4                    | 65+42, 70' LT    | 36" STORM         | 733.3 S                 | 740.0 LEVC                | 737.0                        | 3.7                      | FRA-315-2.85                    |
| 327             | 638               | 5                    | 65+51, 42' RT    | LIGHTING          | -                       | 740.5 FG                  | 737.5                        | -                        | E02856_032                      |
| 327             | 638               | 6                    | 65+54, 75' RT    | 48" STORM         | 733.2 C                 | 747.0 FG                  | 744.0                        | 10.8                     | E02856_040                      |
| 327             | 638               | 7                    | 65+56, 105' RT   | TRAFFIC CONDUIT   | -                       | 748.5 FG                  | 745.5                        | -                        | E02856_032                      |
| 327             | 638               | 8                    | 66+41, 123' RT   | LIGHTING          | -                       | 741.0 FG                  | 738.0                        | -                        | E02856_032                      |
| 327             | 638               | 9                    | 66+58, 124' RT   | TRAFFIC CONDUIT   | -                       | 742.0 FG                  | 739.0                        | -                        | E02856_032                      |
| 327             | 638               | 10                   | 67+14, 44' RT    | 54" STORM         | 731.6 S                 | 742.0 FG                  | 739.0                        | 7.4                      | E02856_040                      |
| 327             | 638               | 11                   | 67+05, 52' LT    | LIGHTING          | -                       | 742.5 FG                  | 739.5                        | -                        | E02856_032                      |
| 409             |                   | 1                    | 161+38, 42' LT   | 24" WATER         | 766.6 S                 | 774.0 FG                  | 771.0                        | 4.4                      | CTP0465_006                     |
| 409             |                   | 2                    | 161+68, 41' LT   | 54" SANITARY      | 770.2 S                 | 774.2 FG                  | 771.2                        | 1.0                      | E01617_078                      |
| 409             |                   | 3                    | 161+85, 41' LT   | 21" STORM         | 770.8 LEVB              | 774.3 FG                  | 771.8 *(+)                   | 1.0                      | E01617                          |
| 450             |                   | 1                    | 52+05, 64' LT    | 8" SANITARY       | 869.1 S                 | 872.2 LEVB                | 870.1 *(+)                   | 1.0                      | RP02363                         |
| 450             |                   | 2                    | 52+10, 50' LT    | 12" WATER         | 866.5 S                 | 871.9 LEVB                | 868.9                        | 2.4                      | CTP0582_047                     |
| 465             |                   | 1                    | 54+12, 33' RT    | 3" SANITARY       | 798.1 S                 | 806.2 FG                  | 803.2                        | 5.1                      | E03098                          |
| 478             |                   | 1                    | 73+99, 122' LT   | 12" STORM (ABAN)  | -                       | 822.0 FG                  | 819.0                        | -                        | CC07434                         |
| 478             |                   | 2                    | 73+99, 124' LT   | 24" STORM         | 819.4 S                 | 822.0 FG                  | 820.4 *(+)                   | 1.0                      | CC07434                         |
| 542             |                   | 1                    | 5+91, 89' RT     | LIGHTING          | -                       | 856.4 FG                  | 853.4                        | -                        | FRA-1-25.33                     |
| 542             |                   | 2                    | 7+91, 104' LT    | 18" STORM         | 855.8 C                 | 866.2 LEVC                | 863.2                        | 7.4                      | FRA-1-25.33                     |
| 542             |                   | 3                    | 8+06, 60' LT     | LIGHTING          | -                       | 862.0 FG                  | 859.0                        | -                        | FRA-1-25.33                     |
| 543             |                   | 1                    | 12+04, 56' LT    | 96" STORM         | 854.7 C                 | 868.9 FG                  | 865.9                        | 11.2                     | FRA-1-25.33                     |
| 543             |                   | 2                    | 13+46, 24' RT    | LIGHTING          | -                       | 864.9 FG                  | 861.9                        | -                        | FRA-1-25.33                     |
| 543             |                   | 3                    | 14+22, 32' RT    | LIGHTING          | -                       | 865.4 FG                  | 862.4                        | -                        | FRA-1-25.33                     |
| 543             |                   | 4                    | 15+28, 40' RT    | LIGHTING          | -                       | 866.4 FG                  | 863.4                        | -                        | FRA-1-25.33                     |
| 543             |                   | 5                    | 16+41, 46' RT    | LIGHTING          | -                       | 865.8 FG                  | 862.8                        | -                        | FRA-1-25.33                     |
| 543             |                   | 6                    | 16+50, 38' RT    | LIGHTING          | -                       | 866.4 FG                  | 863.4                        | -                        | FRA-1-25.33                     |
| 553             | 646               | 1                    | 162+58, 53' RT   | 8" SANITARY       | 856.1 C                 | 862.4 FG                  | 859.4                        | 3.3                      | RP01327                         |
| 553             |                   | 2                    | 162+88, 51' RT   | 8" WATER          | 859.5 LEVA              | 863.2 LEVB                | 860.5 *(+)                   | 1.0                      | E_1_100                         |
| 553             |                   | 3                    | 163+25, 50' RT   | 18" STORM         | 860.0 S                 | 864.0 FG                  | 861.0                        | 1.0                      | RP01334                         |
| 553             |                   | 4                    | 163+30, 50' RT   | 2" GAS            | -                       | 864.0 FG                  | 861.0                        | -                        | COLUMBIA GAS                    |
| 559             |                   | 1                    | 69+45, 45' LT    | FIBER OPTIC       | -                       | 741.5 LEVC                | 738.5                        | -                        | LOCATED BY SURVEY               |
| 559             |                   | 2                    | 69+96, 69' LT    | LIGHTING          | -                       | 740.2 FG                  | 737.2                        | -                        | LOCATED BY SURVEY               |
| 559             |                   | 3                    | 70+62, 94' LT    | LIGHTING          | -                       | 740.0 FG                  | 737.0                        | -                        | LOCATED BY SURVEY               |
| 560             |                   | 1                    | 71+05, 90' LT    | 15" STORM         | 731.0 LEVC              | 735.5 LEVC                | 732.5                        | 1.5                      | FRA-315-5.20                    |
| 560             |                   | 2                    | 72+23, 52' LT    | 78" SANITARY      | 727.6 S                 | 737.2 LEVC                | 734.2                        | 6.6                      | RP04343                         |
| 560             |                   | 3                    | 72+57, 42' LT    | FIBER OPTIC       | -                       | 738.4 LEVC                | 735.4                        | -                        | LOCATED BY SURVEY               |
| 560             |                   | 4                    | 72+66, 39' LT    | AEP TRANSMISSION  | -                       | 738.8 LEVC                | 735.8                        | -                        | AEP                             |
| 560             |                   | 5                    | 72+85, 33' LT    | LIGHTING          | -                       | 738.1 FG                  | 735.1                        | -                        | LOCATED BY SURVEY               |
| 560             |                   | 6                    | 77+29, 38' LT    | 12" STORM         | 730.0 LEVC              | 740.8 LEVC                | 737.8                        | 7.8                      | RP01179                         |
| 560             |                   | 7                    | 77+33, 38' LT    | 24" SANITARY      | 729.5 S                 | 740.6 LEVC                | 737.6                        | 8.1                      | RP00417 (RP08676_001)           |
| 560             |                   | 8                    | 77+41, 38' LT    | 12" STORM         | 729.4 LEVC              | 740.6 LEVC                | 737.6                        | 8.2                      | RP01179                         |
| 560             |                   | 9                    | 77+44, 38' LT    | 24" SANITARY      | 730.2 LEVC              | 740.6 LEVC                | 737.6                        | 7.4                      | RP01179 (RP08676)               |
| 569             |                   | 1                    | 83+69, 12' RT    | GAS               | -                       | 798.3 FG                  | 795.3                        | -                        | COLUMBIA GAS                    |
| 569             |                   | 2                    | 83+44, 12' RT    | 12" WATER         | 791.5 S                 | 798.0 FG                  | 795.0                        | 3.5                      | GC0038_001                      |
| 570             |                   | 1                    | 50+25, 20' RT    | 16" WATER         | 754.8 S                 | 762.6 FG                  | 759.6                        | 4.8                      | GC0092_009                      |
| 571             |                   | 1                    | 42+39, 17' RT    | 30" SANITARY      | 740.1 S                 | 755.1 FG                  | 752.1                        | 12.0                     | RP09052 (CC-11231)              |
| 571             |                   | 2                    | 41+34, 17' RT    | 30" SANITARY      | 738.8 S                 | 754.4 FG                  | 751.4                        | 12.6                     | RP09052                         |
| 572             | 629               | 1                    | 2900+84, 141' RT | LIGHTING          | -                       | 735.5 FG                  | 732.5                        | -                        | FRA-71-9.74                     |
| 572             | 629               | 2                    | 2901+11, 141' RT | LIGHTING          | -                       | 735.6 FG                  | 732.6                        | -                        | FRA-71-9.74                     |
| 572             | 629               | 3                    | 2901+03, 180' RT | POWER             | -                       | 749.3 FG                  | 746.3                        | -                        | LOCATED BY SURVEY               |
| 573             |                   | 1                    | 2882+94, 10' LT  | LIGHTING          | -                       | 719.5 FG                  | 716.5                        | -                        | FRA-270-52.72                   |
| 575             |                   | 1                    | 2862+83, 78' RT  | 150" SANITARY     | 688.2 S                 | 704.0 FG                  | 701.0                        | 12.8                     | CC02196                         |
| 575             |                   | 2                    | 2860+97, 83' LT  | 16" GAS           | -                       | 703.8 FG                  | 700.8                        | -                        | COLUMBIA GAS                    |
| 578             | 627               | 1                    | 2785+82, 7' RT   | LIGHTING          | -                       | 694.0 FG                  | 691.0                        | -                        | FRA-270-52.72                   |
| 578             | 627               | 2                    | 2785, 82, 7' RT  | 12" WATER         | 689.0 S                 | 694.0 FG                  | 691.0                        | 2.0                      | CTP0600_013                     |
| 578             | 627               | 3                    | 2785+01, 5' RT   | TRAFFIC CONDUIT   | -                       | 695.0 FG                  | 692.0                        | -                        | FRA-270-51.50                   |
| 578             | 627               | 4                    | 2784+39, 3' RT   | LIGHTING          | -                       | 695.5 FG                  | 692.5                        | -                        | FRA-270-52.72                   |
| 579             |                   | 1                    | 2742+69, 18' RT  | FIBER OPTIC       | -                       | 726.0 FG                  | 723.0                        | -                        | E02953                          |
| 579             |                   | 2                    | 2741+36, 19' RT  | 42" WATER         | 718.8 S                 | 726.0 FG                  | 723.0                        | 4.2                      | CTP0616_005                     |
| 579             |                   | 3                    | 2740+82, 19' RT  | 6" GAS            | -                       | 726.0 FG                  | 723.0                        | -                        | COLUMBIA GAS                    |
| 580             |                   | 1                    | 2716+53, 15' RT  | 96" STORM         | 726.8 S                 | 732.0 FG                  | 729.0                        | 2.2                      | CC10250                         |



FG: SURFACE ELEVATION DETERMINED BY FRANKLIN COUNTY GIS, ACCURACY OF  $\pm 0.5'$   
 REF: SURFACE ELEVATION REFERENCED BY SURVEYING FROM AN ARBITRARY REFERENCE ELEVATION  
 LEVA: FIELD VERIFIED ELEVATION, LEVEL A SUE  
 LEVB: FIELD VERIFIED ELEVATION, LEVEL B SUE  
 LEVC: FIELD VERIFIED ELEVATION, LEVEL C SUE  
 S: ELEVATION SCALED FROM PLANS  
 C: ELEVATION CALCULATED USING INVERT FROM COC DEPT OF PUBLIC WORKS GIS DATABASE  
 UND: ELEVATIONS COULD NOT BE DETERMINED FROM RECORD PLANS AND WILL BE SHOWN AFTER T  
 - : VARYING ELEVATIONS. DEPTHS ARE UNKNOWN  
 \*(+): PROPOSED CONDUIT HAS BEEN ADJUSTED ABOVE THE TOP OF EXISTING UTILITY TO MEET MIN  
 \*(-): PROPOSED CONDUIT HAS BEEN ADJUSTED BELOW THE BOTTOM OF EXISTING UTILITY TO MEET

**3150-E**



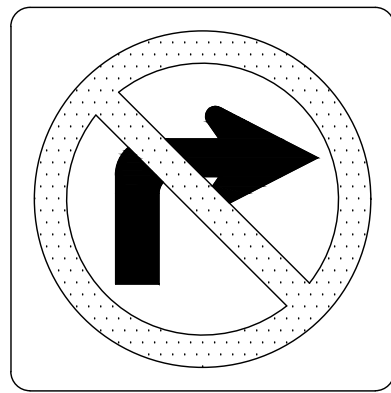
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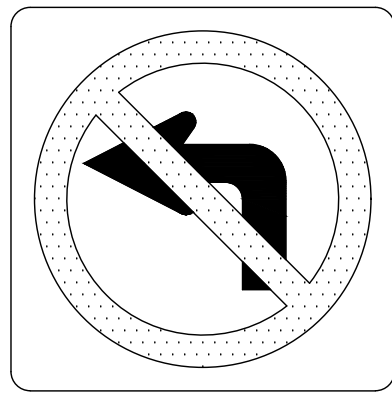
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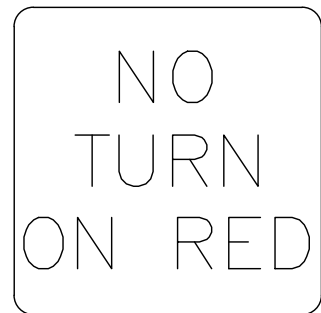
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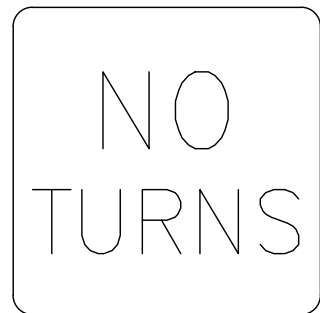
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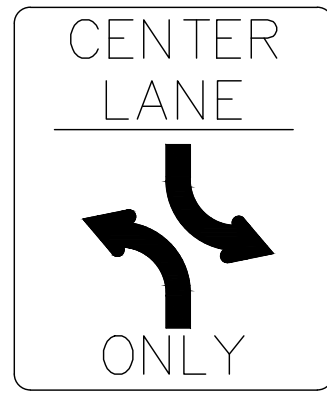
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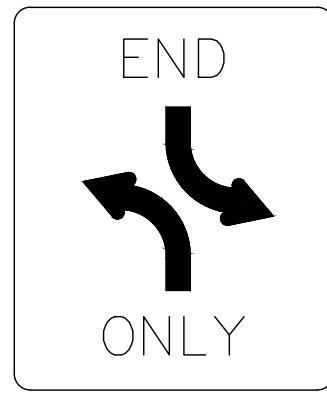
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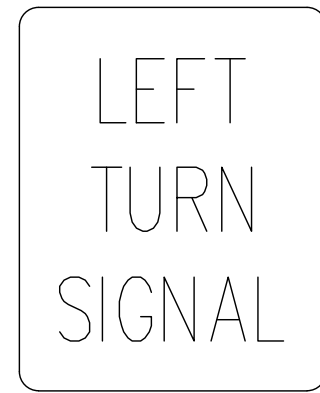
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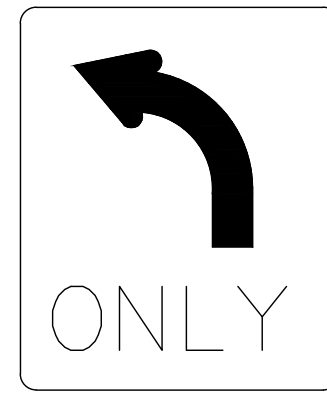
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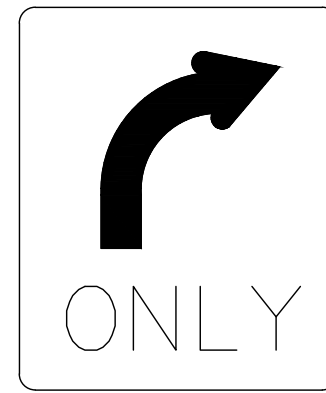
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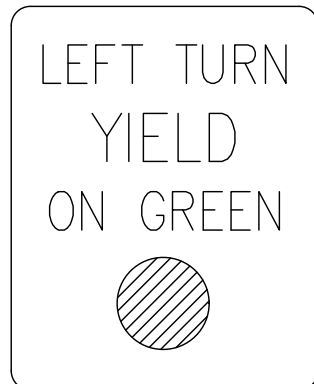
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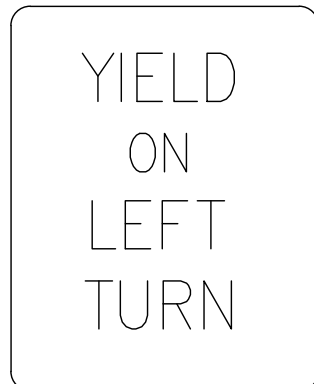
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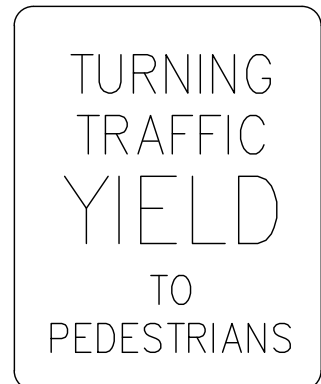
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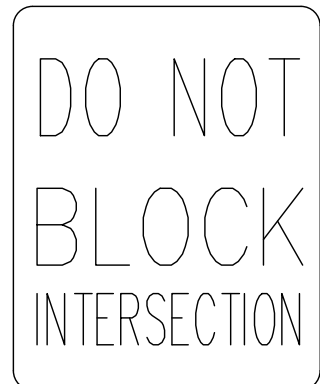
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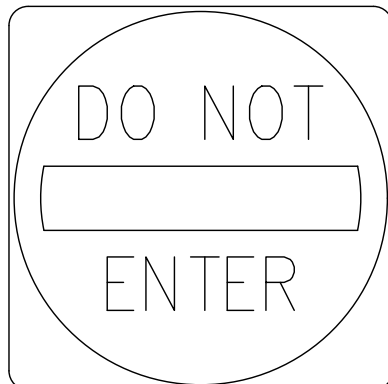
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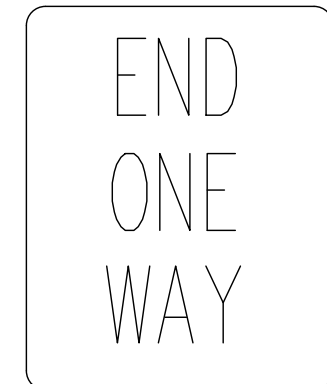
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R6-2L  
S14



R6-2R  
S15



R6-7  
S16



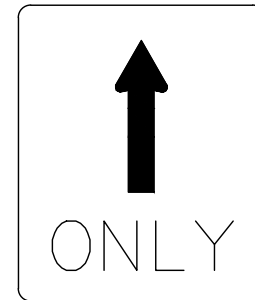
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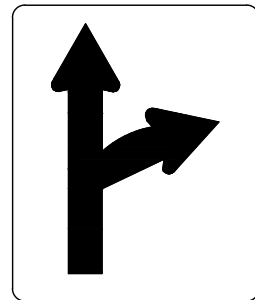
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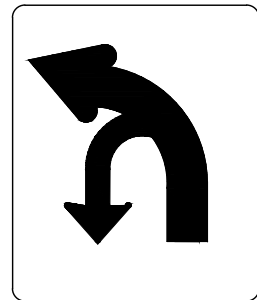
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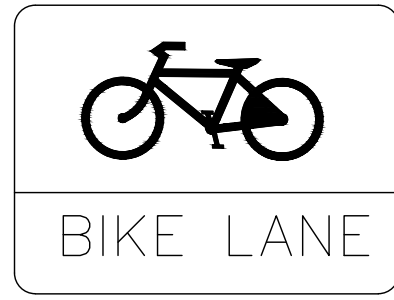
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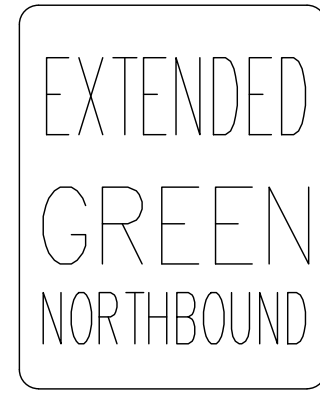
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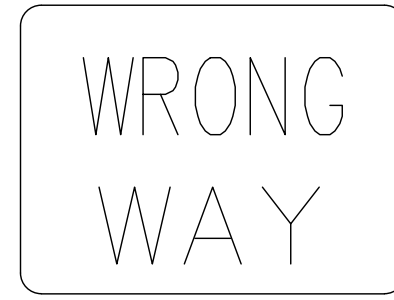
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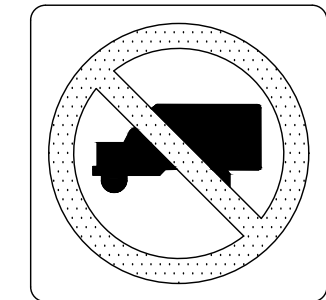
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S24



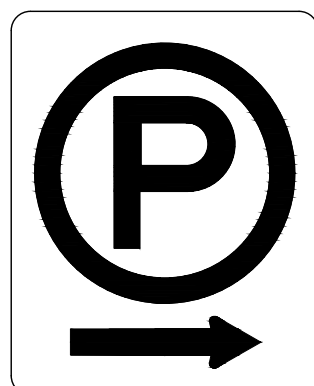
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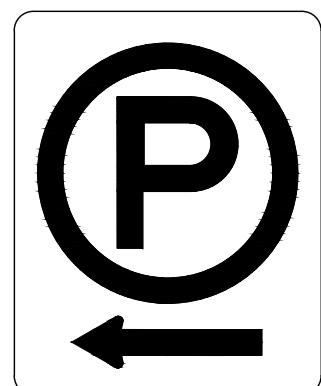
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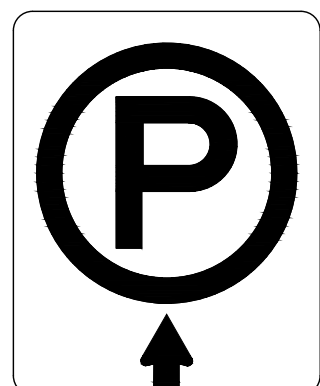
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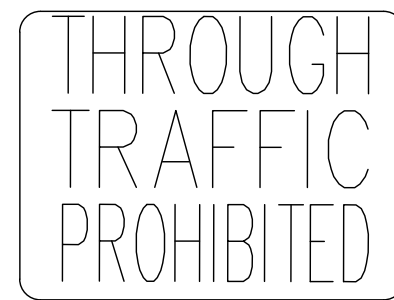
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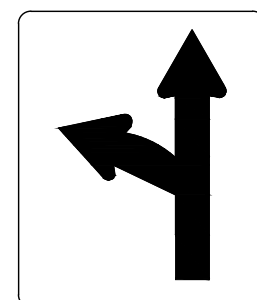
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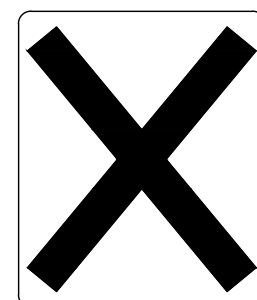
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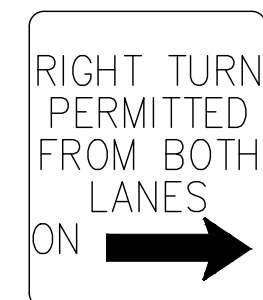
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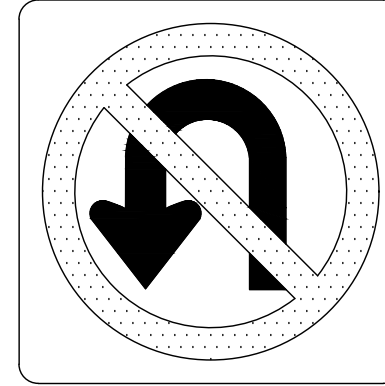
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S33



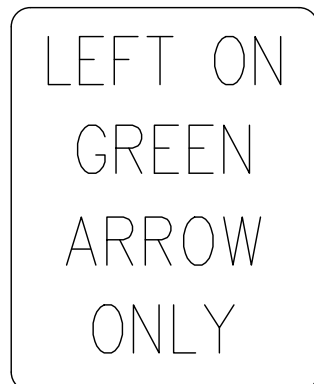
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S35



S36



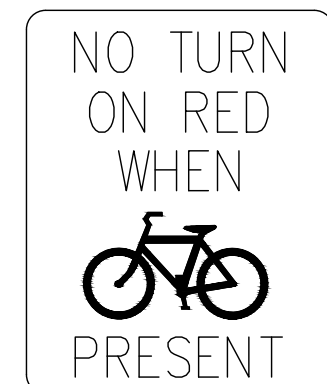
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S37



S38



S39



S40

EXISTING OVERHEAD SIGNAGE SHOWN ON PLAN SHEETS

CIP: 540007-100006  
PID NUMBER: 82573

EXISTING OVERHEAD SIGNS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



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PLAN SHEET DISCLAIMER

EVERY REASONABLE EFFORT HAS BEEN MADE TO ASSURE THE ACCURACY OF THESE PLANS AND ASSOCIATED DATA WITH THE CITY OF COLUMBUS, DEPARTMENT OF PUBLIC UTILITIES FACILITIES. THE CITY OF COLUMBUS, OHIO ASSUMES NO LIABILITY ARISING FROM THE ACCURACY OF THE DEPARTMENT OF PUBLIC UTILITIES FACILITIES DATA IN THESE PLANS OR FOR USE OF THIS DATA FOR PURPOSES NOT RELATED TO THE SUBJECT PROJECT. THIS DISCLAIMER APPLIES TO SHEETS 81–649 OF THIS PLAN SET.

IN AN EFFORT TO INCREASE THE CLARITY AND LEGIBILITY OF THE PLANS, EXISTING UNDERGROUND UTILITIES WILL NOT BE SHOWN UNLESS THERE IS PROPOSED WORK THAT WILL REQUIRE EXCAVATION OR ANY OTHER EARTH DISTURBING ACTIVITY. IF PROPOSED WORK WILL REQUIRE THIS TYPE OF ACTIVITY, EXISTING UNDERGROUND UTILITIES WILL BE PROPERLY INVESTIGATED AND REPRESENTED ON THE PLAN SHEET OF THE RESPECTIVE WORK LOCATION.

PRE–CONSTRUCTION CONFERENCE

UNLESS OTHERWISE PROVIDED FOR IN THE CONTRACT DOCUMENTS, NO WORK SHALL BE COMMENCED UNDER THIS CONTRACT UNTIL A PRECONSTRUCTION CONFERENCE HAS BEEN HELD.

AFTER THE CONTRACT IS FULLY EXECUTED, THE CITY WILL SEND PRECONSTRUCTION CONFERENCE NOTICES TO ALL PARTIES. IN GENERAL, FOURTEEN DAYS ARE REQUIRED TO NOTIFY ALL INTERESTED PARTIES OF A PRECONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL TAKE DUE NOTE OF THIS REQUIREMENT AND AID IN THE TIMELY SCHEDULING OF THE PRECONSTRUCTION CONFERENCE TO AVOID UNNECESSARY DELAYS IN THE COMMENCEMENT OF THE WORK.

PERMITS

WHEN EXCAVATING WITHIN COLUMBUS PUBLIC RIGHT OF WAY LIMITS, THE CONTRACTOR SHALL OBTAIN AND EXCAVATION PERMIT FROM CITY OF COLUMBUS, DEPT. OF PUBLIC SERVICE – PERMIT OFFICE BETWEEN THE HOURS OF 7:30 AM AND 4:00 PM MONDAY THROUGH FRIDAY. PHONE (614) 645–7497; FAX: (614) 645–1876

EMAIL: COLSPERMITS@COLUMBUS.GOV

UTILITIES

THE IDENTITY AND LOCATION OF EXISTING UNDERGROUND UTILITIES LOCATED IN AND AROUND THE CONSTRUCTION AREA HAVE BEEN SHOWN AND LABELED ON THE PLANS BY USING INFORMATION PROVIDED BY THE RESPECTIVE UTILITY OWNERS. THE CITY OF COLUMBUS OR THE CONSULTING ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OR DEPTH OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS.

SUPPORT AND PROTECTION OF ALL UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COSTS FOR THE REPAIR AND RESTORATION OF EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CITY OF COLUMBUS UTILITIES WILL ONLY LOCATE AND MARK MAIN LINE FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICE LATERALS AND LINES. COSTS ASSOCIATED WITH THE ABOVE WORK AND RESPONSIBILITIES SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS.

PRIOR TO EXCAVATION THE CONTRACTOR SHALL GIVE A 48–HOUR NOTICE TO THE OHIO UTILITIES PROTECTION SERVICE (OUPS) BY CALLING (800) 362–2764. A MINIMUM NOTICE OF 2 WORKING DAYS SHALL ALSO BE GIVEN TO THE OWNERS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE, EXCEPT FOR ODOT FREEWAY MANAGEMENT SYSTEM FACILITIES WHICH WILL REQUIRE A MINIMUM NOTICE OF 5 WORKING DAYS.

LISTED BELOW ARE UTILITY COMPANIES THAT HAVE FACILITIES LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND DO NOT SUBSCRIBE TO A REGISTERED UNDERGROUND PROTECTION SERVICE.

ODOT  
FREEWAY MANAGEMENT SYSTEM  
1606 WEST BROAD ST.  
COLUMBUS, OHIO 43223  
PRIMARY: (614) 387–4113  
SECONDARY: (614) 387–4099  
(614) 887–4134 – FAX  
CEN.ITS.LAB@DOT.STATE.OH.US

CHRISTOPHER M. McCLOSKEY  
SENIOR PROJECT MANAGER  
C/O HLG ENGINEERING  
AT&T LNS & CORE  
5980–G WILCOX PLACE  
DUBLIN, OHIO 43016  
(614) 760–8320 – PHONE  
(614) 312–2226 – CELL  
CMCCLOSKEY@HLGENGINEERING.COM

MARTIN E. WHITE  
DISTRICT RIGHT OF WAY AGENT  
BUCKEYE PIPELINE COMPANY, LP  
940 BUCKEYE ROAD  
LIMA, OHIO 45804  
(419) 993–8008 – PHONE  
(419) 236–7766 – CELL  
(419) 224–3519 – FAX  
MWHITE@BUCKEYE.COM

BARB DUNLAP (TRANSMISSION)  
TRANSMISSION LINE  
PROJECT ENGINEERING  
AMERICAN ELECTRIC POWER  
700 MORRISON ROAD  
GAHANNA, OHIO 43230  
(614) 552–1893 – PHONE  
(614) 552–1818 – FAX  
BLDUNLAP@AEP.COM

THE FOLLOWING CITY OF COLUMBUS, ODOT, FRANKLIN COUNTY, AND PRIVATE UTILITIES ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND SUBSCRIBE TO A REGISTERED UNDERGROUND PROTECTION SERVICE:

FAX ALL LOCATION REQUESTS (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION

CITY OF COLUMBUS  
SUPPORT SERVICES DIVISION – COMM  
4211 GROVES ROAD  
COLUMBUS, OHIO 43232  
JOHN GREMBOWSKI  
(614) 724–4006 – RADIO ROOM  
JAGREMBOWSKI@COLUMBUS.GOV  
WILLIAM GRIFFITH  
(614) 645–7344 X100 – PHONE  
WRGRIFFITH@COLUMBUS.GOV

CITY OF COLUMBUS  
DEPARTMENT OF TECHNOLOGY  
1355 MCKINLEY AVE, BLDG C  
COLUMBUS, OHIO 43222  
(614) 645–7756 – CONTRACTOR LINE

CITY OF COLUMBUS  
DEPARTMENT OF PUBLIC SERVICE  
TRAFFIC MANAGEMENT  
1820 E 17TH AVE  
COLUMBUS, OHIO 43219  
TRAFFICLOCATOR@COLUMBUS.GOV  
OFFICE: (614)645–7393

STEPHEN A RENNEN  
DIRECTOR, FRANKLIN COUNTY  
SANITARY ENGINEERS  
280 EAST BROAD STREET, STE. 201  
COLUMBUS, OH 43215  
(614) 525–5850 – DIRECT  
(614) 525–3940 – PHONE  
(614) 525–5210 – FAX  
SARENENR@FRANKLINCOUNTYOHIO.GOV

JAMES (JIM) SCOTT  
LAND AGENT  
COLUMBIA GAS TRANSMISSION LLC  
301 MAPLE STREET  
PO BOX 330  
SUGAR GROVE, OHIO 43155  
(740) 746–2234 – PHONE  
(740) 304–4304 – CELL  
JSCOTT@NISOURCE.COM

CITY OF COLUMBUS  
DIVISION OF POWER  
3500 INDIANOLA AV.  
COLUMBUS, OHIO 43214  
DAVE CLEAVER – CHIEF ENGINEER  
DWCLEAVER@COLUMBUS.GOV  
OFFICE: 614–645–1591  
JEFF HOLMES – BUSINESS MANAGER  
JHOLMES@COLUMBUS.GOV  
OFFICE: 614– 645–7216  
CHRIS VOGEL – STREET LIGHTING  
CVOGEL@COLUMBUS.GOV  
OFFICE: 614–645–6963  
BOB SCHNEIDER – DISTRIBUTION  
RSCHNEIDER@COLUMBUS.GOV  
OFFICE: 614–645–7534

BILL VERHOFF  
OPERATIONS MANAGER  
COLUMBUS FIBERNET  
1600 WALCUTT ROAD  
COLUMBUS, OHIO 43228  
(614) 351–6265 – PHONE  
(614) 274–6795 – FAX  
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BAVERHOFF@COLUMBUSFIBER.NET

JAMES HIGHSMITH  
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FIBERTECH NETWORKS  
300 MERIDIAN CENTER  
ROCHESTER, NEW YORK 14618  
(585) 697–5145 – PHONE  
(585) 242–9807 – FAX  
(585) 303–8554 – CELL  
JHIGHSMITH@FIBERTECH.COM

CITY OF COLUMBUS  
DIVISION OF WATER  
910 DUBLIN ROAD  
COLUMBUS, OHIO 43215  
TIM HUFFMAN – MANAGER, WATER  
DISTRIBUTION ENGINEERING  
(614) 645–0856 – PHONE  
TEHUFFMAN@COLUMBUS.GOV

WARREN “MIKE” BATH  
CONSTRUCTION SUPERVISOR  
TIME WARNER COMM/INSIGHT  
3760 INTERCHANGE RD  
COLUMBUS, OHIO 43204  
(614) 827–7974 – PHONE  
(614) 332–2337 – CELL  
WARREN.BATH@TWCABLE.COM

ODOT  
DISTRICT 6 MAINTENANCE OF TRAFFIC  
400 E. WILLIAMS STREET  
DELAWARE, OHIO 43015  
(740) 833–8433 – PHONE  
MOT ENGINEER – GARY FETHEROLF  
(740) 833–8162 – PHONE  
(740) 601–8817 – CELL  
TRAFFIC ENGINEER –  
KRAIG SHREWSBERRY  
(740) 833–8198 – PHONE

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ENGINEERING LIAISON COORDINATOR  
AMERICAN ELECTRIC POWER  
850 TECH CENTER DRIVE  
GAHANNA, OHIO 43230  
(614) 883–6817 – PHONE  
(614) 301–4977 – CELL  
(614) 883–6868 – FAX  
RISLONEKER@AEP.COM  
SOLUTION CENTER: 800–277–2177

FRANKLIN COUNTY ENGINEER’S  
OFFICE  
970 DUBLIN ROAD  
COLUMBUS, OH 43215  
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CITY OF COLUMBUS  
DIVISION OF SEWERAGE AND  
DRAINAGE  
1250 FAIRWOOD AV.  
COLUMBUS, OHIO 43206  
MARK TIMBROOK  
(614) 645–7102 – PHONE  
MDTIMBROOK@COLUMBUS.GOV

RAY MIKESELL  
MANAGER OSPE  
AT&T (FKA SBC)  
111 NORTH 4TH STREET  
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(614) 223–5579 – FAX  
(614) 208–7731 – CELL  
RX8936@ATT.COM  
REPAIR SERVICE:  
888–611–4466  
DAMAGE PREVENTION:  
937–296–3929

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WOW! INTERNET CABLE & PHONE  
3675 CORPORATE DRIVE  
COLUMBUS, OH 43231  
(614) 948–4616 – PHONE  
(614) 668–8079 – CELL  
(614) 948–4620 – FAX  
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AL GUEST  
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VERIZON BUSINESS (AKA MCI)  
120 RAVINE STREET  
AKRON, OHIO 44303  
(330) 253–8267 – PHONE  
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(330) 329–5495 – CELL  
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JOSEPH J. THOMAS  
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SPRINT ACCOUNT  
11370 ENTERPRISE PARK DR.  
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DALE FERGUSON  
IMPLEMENTATION ENGINEER III  
XO COMMUNICATIONS  
COLUMBUS &  
CINCINNATI, OHIO MARKETS  
6900 SOUTHPONTE PKWY  
BRECKSVILLE, OHIO 44141  
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(216) 820–3868 – CELL  
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TOM MUSICK  
VP, ENGINEERING & OPERATIONS  
SOUTH CENTRAL POWER  
P.O. BOX 250  
LANCASTER, OHIO 43130  
(740) 653–4422 – PHONE  
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DEPARTMENT OF TECHNOLOGY  
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CITY HALL, 90 WEST BROAD ST.  
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OFFICE: 614–645–1501  
CONTRACTOR LINE:  
614–645–7756  
CABLE LOCATES FAX:  
614–645–6627  
DWMCNALLY@COLUMBUS.GOV

TIM SWAUGER  
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CIP: 540007–10006  
PID NUMBER: 82573

GENERAL NOTES SHEET  
1 OF 12

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D – CONSTRUCTION AS–BUILT



EMERGENCY PROVISIONS

THE CONTRACTOR SHALL PROVIDE TO THE CITY OF COLUMBUS 24–HOUR EMERGENCY TELEPHONE NUMBERS, IN WRITING, PRIOR TO THE START OF CONSTRUCTION.

CONFLICTS WITH STREET TREES

CONTRACTOR SHALL CONTACT THE FORESTRY SECTION OF RECREATION AND PARKS DEPARTMENT WHEN A CONFLICT WITH STREET TREES EXISTS AT (614) 645–6640. APPROVAL REQUIRED PRIOR TO WORK COMMENCING.

CONTINGENCY QUANITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK SHOWN, LABELED, OR LISTED AS CONTINGENCY OR REFERENCED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER," UNLESS AUTHORIZED BY THE ENGINEER, OR AN ACCEPTABLE REPRESENTATIVE FOR THE CITY OF COLUMBUS DIVISION OF DESIGN AND CONSTRUCTION.

DUST CONTROL

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED TO BE USED AT THE DIRECTION OF THE ENGINEER FOR THE PURPOSE OF DUST CONTROL WITHIN THE PROJECT LIMITS:

|                             |                     |
|-----------------------------|---------------------|
| ITEM 616 – CALCIUM CHLORIDE | 24 TONS             |
| ITEM 616 – WATER            | 10 THOUSAND GALLONS |

WATERING PERMANENT SEEDED AREAS

THE FOLLOWING ESTIMATED QUANTITY IS TO BE USED AS DIRECTED BY THE ENGINEER TO PROMOTE GROWTH FOR THE PERMANENT SEEDED AREAS AS PER 659.09:

|                  |                     |
|------------------|---------------------|
| ITEM 659 – WATER | 10 THOUSAND GALLONS |
|------------------|---------------------|

CONCRETE WALKS, AS PER PLAN

ALL EXISTING CONCRETE SIDEWALKS BEING REPLACED WITH NEW CONCRETE SIDEWALKS SHALL BE REMOVED AT AN EXISTING JOINT AND REPLACED AS PER SCD 2300.

ALL EXISTING CONCRETE SIDEWALKS NOT SCHEDULED FOR REPLACEMENT BUT BEING CROSSED BY THE INSTALLATION OF TRAFFIC ITEMS, ELECTRICAL CONDUIT, PIPING, ETC SHALL BE FULLY REMOVED AT AN EXISTING JOINT AND REPLACED AS PER STANDARD DRAWING 2300 UNLESS NOTED OTHERWISE. PAYMENT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 608, CONCRETE WALK.

IF EXISTING CURB RAMPS ARE DISTURBED – REPLACE WITH TYPE 'A' CURB RAMPS PER SCD 2319.

DEPENDENT ON LOCATION OF EXISTING WALK BEING REPLACED – 8” THICK WALK MAY BE REQUIRED WITHIN TURN RADIUS, SEE SCD 2303 FOR DETAILS.

IN CONJUNCTION WITH ANY CURB RAMP REPLACEMENT: TYPE 'E' DETECTABLE WARNINGS SHALL BE INSTALLED.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE OF THESE WORK LIMITS.

C.O.T.A. – BUS SHELTERS/PADS

THE CONTRACTOR SHALL NOTIFY SENIOR SERVICE PLANNER OF COTA AT PH – (614) 308–4373 OR FAX – (614) 275–5933 A MINIMUM OF TWO WEEKS PRIOR TO THE REQUIRED REMOVAL OF A BUS SHELTER. COTA WILL DISASSEMBLE THE SHELTER AND THEN REINSTALL IT ONCE THE NEW CONCRETE SLAB IS IN PLACE. CONTRACTOR SHALL CONSTRUCT THE SLAB AS DIRECTED BY THE PLANS OR OTHER CONTRACT DOCUMENTS. ALL CONTRETE BUS PAD WORK REQUIRES PRIOR AUTHORIZATION OF THE ENGINEER AND SHALL BE PAID FOR VIA FORCE ACCOUNT AS A PER ITEM SPECIAL, REMOVE AND REPLACE BUS SHELTER SLAB, WITH THE CONTRACT UNIT PRICE PER EACH. THIS PAY ITEM SHALL INCLUDE ALL EXCAVATION AND REMOVAL WORK, EXPANSION JOINT MATERIAL, ITEM 608 – 6” CONCRETE WALK, AND ANY OTHER WORK AS REQUIRED OR DIRECTED BY THE ENGINEER.

BENCHMARKS AND SURVEY MONUMENTS

ANY ELEVATIONS IDENTIFIED ARE BASED ON 1988 NORTH AMERICAN VERTICAL DATUM (NAVD 88).

ANY VERTICAL CONTROL POINTS SET USED A COUNTY, OR CITY CERTIFIED SOURCE MONUMENT FOR ITS POINT OF ORIGIN, AND ARE CALLED OUT AND SHOWN ON THE PLAN AND PROFILE SHEETS AND/OR SCHEMATIC SHEET.

DO NOT DISTURB ANY FRANKLIN COUNTY CERTIFIED BENCHMARKS (VERTICAL AND/OR HORIZONTAL) LOCATED WITHIN THE WORKING LIMITS OF THE PROJECT. CONTRACTOR SHALL CONTACT THE FRANKLIN COUNTY SURVEY DEPARTMENT (614) 462–3026, PRIOR TO CONSTRUCTION, TO COORDINATE THE PROPER PROCEDURES FOR THE RESETTING, RELOCATION, OR REPLACEMENT OF ANY FRANKLIN COUNTY CERTIFIED BENCHMARK OR SURVEY MONUMENT.

ALL EXISTING RIGHT–OF–WAY MARKERS, CENTERLINE MARKERS, OR SURVEY MONUMENTS FOUND WITHIN THE WORK LIMITS OF OR ADJACENT TO THE PROJECT ARE SHOWN AND LABELED ON THE PLANS.

ANY CONSTRUCTION CONTROL POINTS SET FOR THIS PROJECT HAVE BEEN SUPPLIED WITH THREE POINT REFERENCES.

LIMITED ACCESS RIGHT OF WAY (LA R/W)

THE LA R/W INFORMATION SHOWN ON THE PLANS CAME FROM A VARIETY OF SOURCES; FOR MOST AREAS, AN ACTUAL FIELD SURVEY OF AREAS WAS NOT COMPLETED; AND THE LA R/W INFORMATION SHOULD BE USED FOR REFERENCE PURPOSES ONLY.

RIGHT OF WAY ENCROACHMENTS

DURING THE DESIGN STAGES OF THIS PROJECT POTENTIAL ENCROACHMENTS INTO PUBLIC RIGHT OF WAY WERE IDENTIFIED. FIELD INVESTIGATION, AND COLUMBUS AND FRANKLIN COUNTY RECORD PLANS WERE USED TO RESEARCH THE POTENTIAL ENCROACHMENTS. LOCATIONS IN QUESTION WERE THEN SURVEYED AND RESEARCHED FURTHER IN ORDER TO DETERMINE WHETHER EASEMENTS OR PROPERTY AGREEMENTS EXISTED. RIGHT OF WAY ENCROACHMENT ISSUES WERE RESOLVED WITH THE EXCEPTION OF ONE LOCATION WHERE AN ENCROACHMENT LETTER WILL BE SENT.

CLEARING AND GRUBBING

THE CITY OF COLUMBUS RESERVES THE RIGHT TO ORDER THE REMOVAL OF TREES OR STUMPS OUTSIDE THE LIMITS OF CONSTRUCTION BUT WITHIN THE RIGHT–OF–WAY AND / OR EASEMENT LINES. PAYMENT FOR REMOVAL OF THESE TREES OR STUMPS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 201, CLEARING AND GRUBBING.

ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

| SIZES | NO. TREES | NO. STUMPS | TOTAL |
|-------|-----------|------------|-------|
| 18    | 0         | 0          | 0     |
| 30    | 0         | 0          | 0     |
| 48    | 0         | 0          | 0     |
| 60    | 0         | 0          | 0     |

C.O.T.A. – SIGNS AND/OR BUS STOPS

PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT SENIOR SERVICE PLANNER OF THE CENTRAL OHIO TRANSIT AUTHORITY (C.O.T.A.) AT PH – (614) 308–4373 OR FAX – (614) 275–5933 TO COORDINATE PROPER BUS MOVEMENTS THROUGH OR AROUND THE JOB SITE DURING THE PROJECT. THIS WILL INCLUDE, BUT NOT BE LIMITED TO, THE TEMPORARY RELOCATION OR REMOVAL OF C.O.T.A. SIGNS AND/OR BUS STOP LOCATIONS.

BRICK SEWERS

THE CONTRACTOR SHALL MAINTAIN A MINIMUM CLEARANCE OF 10’ HORIZONTAL AND 5’ VERTICAL FROM THE OUTSIDE DIAMETER OF ALL BRICK/SEGMENTED BLOCK SEWERS. THE SEWERS MUST BE LABELED "BRICK" AND THE OUTSIDE DIAMETER PIPE SIZE INDICATED ON THE PLANS. BRICK/BLOCK SEWERS SHALL NOT BE EXPOSED, AS IT MAY CAUSE COLLAPSE OF THE SEWER DUE TO REMOVAL OF THE BACKFILL MATERIAL.

MANHOLE AND / OR INLET ADJUSTED TO GRADE

BEFORE ADJUSTING EXISTING MANHOLES AND/OR CURB INLETS TO GRADE, THE CONTRACTOR, IN THE PRESENCE OF THE CITY ENGINEER OR AN ACCEPTABLE REPRESENTATIVE, SHALL INSPECT SAID STRUCTURES. IF STRUCTURES ARE IN POOR CONDITION, THEY SHALL BE REPLACED WITH NEW STRUCTURES AT THE APPROPRIATE ELEVATIONS.

MAINTAIN DRAINAGE

THE CONTRACTOR AT HIS OWN EXPENSE SHALL MAINTAIN THE FLOW IN ALL SEWERS, DRAINS, FIELD TILES, AND WATERCOURSES ENCOUNTERED IN AND AROUND THE PROJECT SITE. IF SUCH WATERCOURSES OR DRAINS ARE DISTURBED OR DESTROYED DURING THE EXECUTION OF THE PROJECT, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN EXPENSE TO A CONDITION SATISFACTORY TO THE ENGINEER.

USE OF HYDRANTS

PERMITS AND FEES ARE REQUIRED FOR THE USE OF ANY FIRE HYDRANT. THE PERMIT CAN BE OBTAINED FROM THE CITY OF COLUMBUS, WATER DIVISION AT 910 DUBLIN ROAD. HOSES SHALL NOT BE CONNECTED TO A FIRE HYDRANT WHILE LEFT UNATTENDED.

MONUMENTED RIGHT–OF–WAY AND PROPERTY CORNERS

AVOID DISTURBING EXISTING RIGHT–OF–WAY OR PROPERTY CORNER MARKERS DURING CONSTRUCTION. IF DISTURBED DURING CONSTRUCTION, THE MARKERS SHALL BE REPLACED PER CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, SECTION 107.12.

SECURING EXCAVATIONS & TRENCHES FOR NON–WORKING HOURS

EXCAVATIONS AND TRENCHES OVER 24–INCHES DEEP SHALL BE SECURELY PLATED, OR BACKFILLED DURING NON–WORKING HOURS.

ITEM SPEC. – CRITICAL PATH METHOD PROGRESS SCHEDULE FOR LONG DURATION PROJECTS

THIS ITEM SHALL COMPLY WITH CMSC SECTION 108.3 – "TYPE 'B' CPM PROGRESS SCHEDULE"

PAVEMENT CUTTING

PURSUANT TO OHIO ENVIRONMENTAL PROTECTION AGENCY’S ENFORCEMENT OF PHASE II OF THE NPDES AMENDMENT TO THE CLEAN WATER ACT OF THE UNITED STATES OF AMERICA; ALL AGENCIES AND CONTRACTORS PERFORMING PAVEMENT CUTTING OPERATIONS ON CITY OF COLUMBUS STREETS SHALL PROTECT OUR ENVIRONMENT FROM THE DIMINUTIVE DISCHARGES CREATED BY THEIR PAVEMENT CUTTING OPERATIONS.

THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO WET OR DRY SAW CUTTING, JACK HAMMERING, EXCAVATION EQUIPMENT USE, ETC. THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR WORK CREWS SHALL RECOVER PARTICLE, LIQUID, OR OTHER SUCH SMALL DISCHARGES RESULTING FROM THEIR PAVEMENT CUTTING OPERATIONS AND PROTECT ALL STORM SEWER INLETS FROM RECEIVING RUNOFF OF SAID DIMINUTIVE DISCHARGES. THE AGENCY OR CONTRACTOR RESPONSIBLE FOR THE PAVEMENT CUTTING ACTIVITY SHALL BE SOLELY LIABLE FOR NOTICE OF VIOLATIONS (NOVs) AND FINES ISSUED BY THE CITY OF COLUMBUS AND/OR STATE OF OHIO AUTHORITIES.

EQUIPMENT, MATERIALS AND METHODS SHALL BE AVAILABLE TO WORK CREWS FOR USE IN CLEANING UP THE SMALL DISCHARGES RESULTING FROM SUCH CUTTING ACTIVITIES. ADDITIONALLY, WORK CREWS SHALL BE TRAINED TO EXERCISE AND EMPLOY ENVIRONMENTAL PROTECTING MEASURES TO PREVENT POLLUTED DISCHARGES FROM ENTERING THE CITY OF COLUMBUS STORM SEWER SYSTEMS AND WATER COURSES.

VALVE BOXES & OTHER SURFACE STRUCTURES

ALL VALVE BOXES; METER PITS & OTHER UTILITY STRUCTURES SHALL BE ADJUSTED TO GRADE WHERE NEW WALK, PAVERS, CURBS, AND ETCETERA ARE CONSTRUCTED.

COLUMBIA GAS DAMAGE PREVENTION CENTER

FOR INFORMATION CONCERNING COLUMBIA GAS LINES OR EQUIPMENT, OR IF DAMAGE OCCURS TO GAS LINES OR EQUIPMENT THE CONTRACTOR CAN CALL THE COLUMBIA GAS DAMAGE PREVENTION CENTER AT (614) 280–7372 OR TOLL FREE AT (866) 632–6243.



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tree protection during construction

PUBLIC TREES WILL BE PROTECTED AGAINST INJURY OR DAMAGE TO ROOTS, TRUNKS, OR BRANCHES FROM EXCAVATIONS AND CONSTRUCTION. THIS SHALL BE DONE IN ACCORDANCE WITH THE CITY OF COLUMBUS, FORESTRY SECTION AND BY THE FOLLOWING REQUIREMENTS:

- ALL TREE PRUNING AND REMOVAL MUST BE DONE IN ACCORDANCE TO ANSI A300 AND ANSI Z133.1 STANDARDS. THE CONTRACTOR PERFORMING THE WORK MUST BE A PROFESSIONAL TREE CARE COMPANY WITH A CERTIFIED ARBORIST ON STAFF AND AVAILABLE TO DIRECT THE ON-SITE CREW.
- HEAVY EQUIPMENT WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE CRITICAL ROOT ZONE (AREA FROM TRUNK TO ONE FOOT BEYOND DRIPLINE) OF EXISTING TREES. RESTRICTED EQUIPMENT ACCESS ROUTES WILL BE ESTABLISHED BEFORE WORK IS BEGUN. TEMPORARY PAVING MATERIALS SUCH AS PLYWOOD OR RUBBER MATTING SPREAD OVER THE ROOT ZONE MAY BE REQUIRED TO PREVENT COMPACTION.
- INSTALLATION OF UTILITIES UNDER THE DRIPLINE OF EXISTING TREES MUST BE DIRECTIONALLY BORED OR DRILLED BELOW THE ROOT ZONE. TOP OF THE BORE OR TUNNEL SHOULD BE NO HIGHER THAN 3 FEET DEEP. OPEN TRENCHES WITHIN THE ROOT ZONE MUST BE AVOIDED. WHEN ROOTS MUST BE SEVERED, CLEAN CUTS MUST BE MADE WITH PROPER PRUNING TOOLS.
- WHERE GRADE CHANGE IS REQUIRED WITHIN THE ROOT ZONE OF PUBLIC TREES, A SUFFICIENT RESIDUAL ROOT ZONE TO PROVIDE FOR THE GOOD HEALTH OF THE TREES SHOULD REMAIN UNDISTURBED AND PROTECTED BY EITHER A DRY WELL OR RETAINING WALL IF THE GRADE IS TO BE RAISED OR LOWERED.
- CONSTRUCTION MATERIALS, EXCAVATION DEBRIS, CHEMICALS, FUEL, EQUIPMENT OR VEHICLES ARE NOT TO BE STOCKPILED, STORED, DUMPED OR PARKED WITHIN THE DRIPLINE OF PUBLIC TREES.
- FIRES ARE NOT PERMITTED WITHIN THE DRIPLINE OF ANY TREES.
- ALL EXISTING TREES DESIGNATED FOR PRESERVATION WILL BE PROTECTED WITH A GOOD, SUBSTANTIAL FENCE, FRAME OR BOX NOT LESS THAN FOUR FEET HIGH AND AS FAR FROM THE TREE AS POSSIBLE. DRIPLINE IS PREFERABLE, HOWEVER, ACTUAL LOCATION WILL BE DETERMINED BY SITE LIMITATIONS.
- FENCING WILL BE INSTALLED BEFORE COMMENCING SITE PREPARATION WORK. FENCE MUST BE MAINTAINED DURING THE FULL CONSTRUCTION PERIOD.

ANY TREES DAMAGED OR DESTROYED DUE TO CONTRACTOR NEGLIGENCE WILL BE TREATED OR REMOVED AT THE CONTRACTOR'S EXPENSE. IF DAMAGED BEYOND REPAIR, THE CITY WILL REQUIRE REIMBURSEMENT FOR THE VALUE OF THE TREE AS DETERMINED BY THE CURRENT EDITION OF THE 'GUIDE FOR PLANT APPRAISAL' PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE.

division of power

THE DIVISION OF POWER (DOP) HAS UNDERGROUND AND OVERHEAD PRIMARY, SECONDARY, AND STREET LIGHTING, DUCT WORK, AND CONDUIT AT VARIOUS LOCATIONS ON THIS PROJECT. THE CONTRACTOR IS HEREBY REQUIRED TO CONTACT OUPS AT (800) 362-2764 FORTY-EIGHT HOURS PRIOR TO CONDUCTING ANY ACTIVITY WITHIN THE CONSTRUCTION AREA. THE DOP DISPATCH OFFICE NUMBER IS: (614) 645-7627 (VOICE).

ANY REQUIRED RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSE OF THE PROJECT. DOP SHALL MAKE ALL FINAL CONNECTIONS TO DOP'S EXISTING ELECTRICAL SYSTEM AT THE EXPENSE OF THE PROJECT. THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S "MATERIAL AND INSTALLATION SPECIFICATIONS" (MIS) AND THE CITY OF COLUMBUS "CONSTRUCTION AND MATERIAL SPECIFICATIONS" (CMS). ANY NEW OR RE-INSTALLED UNDERGROUND STREETLIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO IN SECTION 1000.18 OF THE CMS MANUAL. THE CONTRACTOR SHALL CONFORM TO DOP'S EXISTING CONDUCTOR SAFETY POLICY AND HOLD CARD SYSTEM, MIS-95, COPIES OF WHICH ARE AVAILABLE FROM DOP. IF YOU HAVE ANY QUESTIONS, CALL SCOTT WOLFE AT (614) 724-4351 OR CHRIS VOGEL AT (614) 645-6963.

IF ANY ELECTRIC FACILITY BELONGING TO DOP IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES, AND REQUIRES EMERGENCY REPAIRS, DOP SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAID BY THE CONTRACTOR TO THE DIVISION OF POWER, CITY OF COLUMBUS, OHIO.

THE CONTRACTOR SHALL EXERCISE CAUTION AND FOLLOW ALL APPLICABLE SAFETY PROCEDURES WHEN WORKING ON OR NEAR A COMBINATION POLE--TRAFFIC SIGNAL POLE WITH AN ATTACHED STREET LIGHT LUMINAIRE. THE MAJORITY OF STREET LIGHTS OPERATE ON 480 VAC; SO GIVEN THAT SITUATION, THE CONTRACTOR CAN EXPECT 480 VAC STREET LIGHT WIRING TO BE CONTAINED INSIDE OR ATTACHED TO THE TRAFFIC SIGNAL POLE. IN CASE OF QUESTIONS REGARDING THE VOLTAGE OF A STREET LIGHT ON A COMBINATION POLE, THE CONTRACTOR SHALL CONTACT THE DIVISION OF POWER AT (614) 645-7627 OR THE DIVISION OF PLANNING AND OPERATIONS AT (614) 645-7933.

division of water

EXPPOSE WATER LINE AT CROSSING(S) TO VERIFY DEPTH AND LOCATION PRIOR TO AND DURING ANY DIRECTIONAL BORING (DIMENSIONED BORE PITS WILL BE IDENTIFIED AFTER THE FIELD SUBSURFACE UTILITY ENGINEERING (SUE) INVESTIGATION PRIOR TO STAGE 3).

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL CUSTOMERS OWNED SERVICE LINES. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ANY CITY OR CUSTOMER OWNED MAIN OR SERVICE LINE THAT MAY BE AFFECTED BY THE PROPOSED CONSTRUCTION ACTIVITIES. FIELD VERIFICATION SHALL TAKE PLACE PRIOR TO ANY ACTIVITY THAT MAY JEOPARDIZE THE INTEGRITY OF THE FACILITY AND AT A LOCATION NEAREST THE POINT OF POSSIBLE CONFLICT.

ANY REPAIR TO CITY OR CUSTOMER OWNED WATER LINES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL CONTACT THE CITY OF COLUMBUS, DIVISION OF WATER AT 645-7788 PRIOR TO ANY REPAIRS ON CITY OWNED WATER FACILITIES. THE CONTRACTOR MUST BE A CITY OF COLUMBUS LICENSED WATER CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3' HORIZONTAL AND 1' VERTICAL CLEARANCE FROM THE OUTSIDE DIAMETER OF ALL WATER LINES AND 8' FROM ANY "TEE" CONNECTION, BENDS AND ENDS OF THE WATER LINES, FROM OUTSIDE DIAMETER TO THE NEAREST EDGE OF THE FACILITY BEING PLACED.

ALL WATER LINE MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT RULES AND REGULATIONS OF THE CITY OF COLUMBUS, DIVISION OF WATER.

THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS, 2012 EDITION AND ALL REVISIONS, INCLUDING ALL SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE PART OF THIS PLAN, UNLESS OTHERWISE NOTED.

FOR ANY EMERGENCIES INVOLVING THE WATER DISTRIBUTION SYSTEM, PLEASE CONTACT THE DIVISION OF WATER DISTRIBUTION MAINTENANCE OFFICE AT 614-645-7788.

ALL WATER LINE VALVE BOXES, SERVICE BOXES, TEST STATIONS, PITOMETER TAP STRUCTURES, METER PIT COVERS, AND OTHER SURFACE UTILITY STRUCTURES WITHIN THE DISTURBED AREA SHALL BE ADJUSTED TO GRADE. ANY OF THESE STRUCTURES LOCATED WITHIN PAVEMENT, DRIVEWAYS, OR OTHER TRAVELED AREAS, WHETHER EXISTING OR PROPOSED, SHALL BE EQUIPPED WITH A TRAFFIC RATED, HEAVY DUTY VALVE BOX AND/OR COVER IN ACCORDANCE WITH THE STANDARD DRAWINGS. EXISTING WATER SERVICE BOXES TO REMAIN THAT ARE ENCOUNTERED WITHIN THE PROJECT LIMITS SHALL BE CLEANED OUT, CENTERED OVER THE CURB STOP, AND ADJUSTED TO THE PROPOSED GRADE.

WHERE NEW CONDUIT IS PROPOSED TO CROSS AN EXISTING OR PROPOSED WATER MAIN OR WATER SERVICE, A MINIMUM OF 12-INCHES VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN THE CONDUIT AND THE WATER MAIN OR SERVICE. A MINIMUM OF 3- FEET OF HORIZONTAL CLEARANCE (OUT TO OUT) IS REQUIRED AT LOCATIONS WHERE THE CONDUIT IS PARALLEL TO THE WATER MAIN AND AT LOCATIONS OF WATER LINE THRUST BLOCKS.

A MINIMUM OF 3 FEET OF HORIZONTAL CLEARANCE (OUT TO OUT) SHALL BE MAINTAINED BETWEEN ALL EXISTING WATER MAINS AND FOUNDATIONS FOR POLES, PULL BOXES, PUSH BUTTON PEDESTALS, AND ANY OTHER MISCELLANEOUS ELECTRICAL STRUCTURE.

division of sewerage and drainage utilities

CITY OF COLUMBUS LOCATORS WILL ONLY LOCATE AND MARK MAIN LINE SEWERS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICE LATERALS AND FIELD VERIFYING THE LOCATION OF MAIN SEWER LINES. ANY DAMAGE AND/OR REPAIRS TO THE MAIN SEWER LINES OR SERVICE LATERALS ARE THE RESPONSIBILITY OF THE CONTRACTOR. REPAIRS MUST BE COMPLETED BY A LICENSED SEWER CONTRACTOR UNDER A SEPARATE SEWER PERMIT.

THE CONTRACTOR SHALL MAINTAIN A MINIMUM CLEARANCE OF 3' HORIZONTAL AND 1' VERTICAL FROM THE OUTSIDE DIAMETER OF ALL SEWER AND WATER LINES.

Miscellaneous work items

THE CONTRACTOR SHALL PERFORM ALL ITEMS OF WORK CALLED FOR ON THE PLANS, FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED. THE COST OF IT SHALL BE INCLUDED IN THE VARIOUS UNIT PRICES BID FOR THE PROJECT IMPROVEMENT.

excavation of roadway and right-of-way areas

ANY CONTRACTOR PERFORMING EXCAVATION, INCLUDING BUT NOT LIMITED TO DISTURBING THE EARTH WITH POWERED OR NON-POWERED EQUIPMENT, DRILLING AND/OR BORING, SHALL CAUSE NOTICE TO BE GIVEN TO THE OHIO UTILITIES PROTECTION SERVICE (OUPS) BY CALLING 811 OR (800) 362-2764, OR ONLINE AT WWW.OUPS.ORG AT LEAST 48 HOURS BUT NOT MORE THAN 10 WORKING DAYS BEFORE EXCAVATING.

UPON NOTIFICATION BY OUPS, THE CITY OF COLUMBUS WILL MARK THE APPROXIMATE LOCATION OF CITY OWNED WATER, SEWER, AND ELECTRIC FACILITIES TO THE BEST OF ITS ABILITY. THE EXCAVATOR SHALL PROTECT AND PRESERVE THE MARKINGS UNTIL THOSE MARKINGS ARE NO LONGER NEEDED.

IF AN EXCAVATION WILL COVER A LARGE AREA AND/OR PROGRESS FROM ONE AREA TO THE NEXT OVER A PERIOD OF TIME, THE EXCAVATOR SHALL COORDINATE THE MARKING OF APPROXIMATE LOCATIONS OF CITY OWNED FACILITIES WITH THE ACTUAL EXCAVATION.

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL CUSTOMER OWNED SERVICE LINES/LATERALS. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ANY CITY OR CUSTOMER OWNED MAIN OR SERVICE LINE/LATERALS THAT MAY BE AFFECTED BY THE PROPOSED CONSTRUCTION ACTIVITIES. FIELD VERIFICATION SHALL TAKE PLACE PRIOR TO ANY ACTIVITY THAT MAY JEOPARDIZE THE INTEGRITY OF THE FACILITY AND AT A LOCATION NEAREST THE POINT OF POSSIBLE CONFLICT.

ANY DAMAGES TO CITY OR CUSTOMER OWNED FACILITIES SHOULD FIRST BE REPORTED TO THE UTILITY OWNER THEN IMMEDIATELY NOTIFY THE PROJECT ENGINEER.

ANY REPAIR TO CITY OR CUSTOMER OWNED WATER OR SEWER FACILITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH REPAIRS SHALL BE COMPLETED BY A CITY OF COLUMBUS LICENSED SEWER AND/OR WATER CONTRACTOR. REPAIRS TO SEWER FACILITIES SHALL REQUIRE A SEPARATE SEWER PERMIT.

THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3' HORIZONTAL AND 1' VERTICAL CLEARANCE FROM THE OUTSIDE DIAMETER OF ALL SEWER AND WATER LINES AND 5' FROM SUPPORTING BLOCKS TO THE NEAREST EDGE OF THE FACILITY BEING PLACED.

THE CONTRACTOR SHALL MAINTAIN A MINIMUM CLEARANCE OF 10' HORIZONTAL AND 5' VERTICAL FROM THE OUTSIDE DIAMETER OF ALL BRICK SEWERS. BRICK SEWERS SHALL NOT BE EXPOSED AS THIS MAY CAUSE A COLLAPSE OF THE SEWER.

project inspection, plan changes & notification

IN ADDITION TO PROJECT INSPECTION PERSONNEL, THE ENGINEER SHALL BE PRESENT TO INSPECT THE INSTALLATION AT ALL NEW NODE CABINETS. ANY CHANGE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ITS IMPLEMENTATION.

material information submittal

THE CONTRACTOR SHALL SUBMIT ALL REQUIRED MATERIALS FOR APPROVAL TO THE CITY OF COLUMBUS, DIVISION OF DESIGN AND CONSTRUCTION, TO THE CONSTRUCTION ENGINEER, 1800 E. 17TH AVENUE, COLUMBUS, OHIO 43219. THE MATERIAL SUBMISSION SHALL CONTAIN ONE (1) COMPLETE SET OF CATALOG CUTS, DIAGRAMS, SHOP DRAWINGS, BROCHURES OR OTHER DESCRIPTIVE MATERIAL FOR THE SIGNAL ITEMS THAT THE CONTRACTOR INTENDS TO FURNISH. THE CONTRACTOR SHALL ALSO PROVIDE A DETAILED LIST OF ALL VARIANCES FROM CMSC AND FROM THE SPECIFICATIONS CONTAINED HEREIN FOR EACH NONSPECIFIED ITEM THAT DOES NOT COMPLY 100% WITH THESE SPECIFICATIONS. UNLESS OTHERWISE STATED BY THE CONTRACTOR THE SUPPLIED ITEMS WILL BE CONSIDERED AS BEING IN STRICT ACCORDANCE WITH ALL SPECIFICATIONS, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS.

THE SUBMITTALS SHALL BE SUBMITTED AS A COMPLETE BID ITEM PACKAGE VIA THE CITY OF COLUMBUS'S PROJECT MANAGEMENT SOFTWARE (PMIS). THE CONTRACTOR SHALL REQUEST A PASSWORD FROM THE DIVISION OF DESIGN AND CONSTRUCTION FOR THIS PROJECT AND USE THE FOLLOWING LINK TO ACCESS THE SYSTEM:

<https://arcadis.orionpmis.com/columbuspmis/dbiasv4/index.cfm?fuseaction=SECURITY.LOGINFORM&RETURNURL=&UNITID=116&PROJECTID=32&FACILITYID=39>

GENERAL NOTES SHEET  
3 OF 12

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT







CONTRACTOR ACCESS TO EXISTING CONTROL CABINET

WHEN THE CONTRACTOR REQUIRES ENTRANCE TO AN EXISTING CONTROL CABINET, CONTRACTOR MUST PROVIDE THE ENGINEER WITH A MINIMUM NOTICE OF THREE (3) BUSINESS DAYS. A REPRESENTATIVE FROM THE DIVISION OF PLANNING AND OPERATIONS SHALL BE PRESENT ANYTIME THE CONTRACTOR REQUIRES ENTRY INTO AN EXISTING CITY OF COLUMBUS CONTROL CABINET TO PERFORM ANY WORK. THE CONTRACTOR SHALL CONTACT (614) 645-7933 TO MAKE ARRANGEMENTS. THE REPRESENTATIVE SHALL ACT IN A SUPERVISORY AND/OR INFORMATIONAL CAPACITY ONLY UNLESS OTHERWISE STATED IN THESE PLANS. EXISTING CABINET WIRING THAT WAS PREVIOUSLY DISCONNECTED BY THIS DIVISION SHALL BE CONNECTED BY THIS DIVISION IF CONNECTION IS REQUIRED FOR PROPER OPERATION OF THE TRAFFIC SIGNAL. ALL CONTRACTOR INSTALLED CABLE SHALL BE CONNECTED BY THE CONTRACTOR BUT OVERSEEN BY THE DIVISION’S REPRESENTATIVE. THERE IS NO CHARGE FOR THIS REPRESENTATIVE BETWEEN THE HOURS OF 8AM AND 3PM, MONDAY THROUGH FRIDAY. PRIOR TO OR AFTER THESE HOURS AND ON SATURDAYS THE HOURLY CHARGE IS \$30 WITH A MINIMUM CHARGE OF \$120 ON SATURDAY. SUNDAY HOURLY CHARGE IS \$40 WITH A MINIMUM CHARGE OF \$160.

DRAINAGE

D100 – STORMWATER FACILITIES: BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE OWNER, THE ENGINEER AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. THE ENGINEER SHALL KEEP RECORDS OF THE INSPECTION IN WRITING.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED OR RECONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE OWNER. ALL EXISTING MANHOLES, CATCH BASINS, DRAINS, SEWERS, AND APPURTENANCES INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLE COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR SHALL CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR’S OPERATIONS TO THE SATISFACTION OF THE ENGINEER. THE ABOVE IS NOT APPLICABLE FOR STRUCTURES TO BE ABANDONED. THE CONTRACTOR SHALL REMOVE DEBRIS, SILT, ETC. FROM THE EXISTING MANHOLES AND CATCH BASINS THAT HAVE BEEN AFFECTED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL MAINTAIN SERVICE IN EXISTING SEWERS DURING CONSTRUCTION.

D101 – EXISTING DRAINAGE SYSTEMS: EXISTING DRAINAGE SYSTEMS (FIELD TILES, ROOF IN OUTLETS, SUMP PUMPS, ETC.) ENCOUNTERED DURING CONSTRUCTION OF THE NEW STORM WERE OR REMOVAL OF EXISTING STORM SEWERS SHALL BE EXTENDED AS NECESSARY AND BLIND TAPPED TO THE NEW STORM SEWER PER DIVISION OF SEWERAGE AND DRAINAGE STANDARD DRAWING AA-S159 OR CONNECTED TO THE CATCH BASIN AS DIRECTED BY THE ENGINEER. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC ITEM 901.

IF THE CONTRACTOR ENCOUNTERS A PIPE OR CONNECTION TO THE STORM SEWER THAT IN THE ESTIMATE OF THE ENGINEER MAY BE AN ILLICIT CONNECTION FROM AN ON-SITE SEWAGE DISPOSAL SYSTEM, COLUMBUS PUBLIC HEALTH SHALL BE CONTACTED AT 645-6448 TO DETERMINE WHETHER THE PIPE MAY BE RECONNECTED TO THE CITY’S STORM SEWER SYSTEM.

D102 – STORM STRUCTURE ADJUSTMENT: THE CONTRACTOR SHALL FIELD VERIFY THE TOP OF CASTING ELEVATION OF ALL NEW STORMWATER STRUCTURES. IF PRECAST STRUCTURES ARE UTILIZED, THE TOP 6 INCHES MINIMUM SHALL BE FIELD PLACED EITHER WITH GRADE RINGS OR BRICK AND MORTAR TO ALLOW FOR FIELD ADJUSTMENT. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE CMSC ITEM 604.

IF THE ENGINEER DETERMINES THAT AN INLET IS TOO LOW/HIGH AFTER IT HAS BEEN PLACED AND ROUGH GRADING PERFORMED, THE CONTRACTOR SHALL ADJUST THE INLET AS DIRECTED BY THE ENGINEER AND REGRADE THE AREA ACCORDINGLY. FOR ADJUSTMENTS OF+/- 6 INCHES, THE COST TO ADJUST THE INLET SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE CMSC ITEM 604. FOR ADJUSTMENTS GREATER THAN +/- 6 INCHES, THE COST TO ADJUST THE INLET SHALL BE PAID FOR IN THE UNIT PRICE BID FOR CMSC ITEM SPECIAL – INLET ADJUSTED, AS DIRECTED BY ENGINEER, AND SHALL CONSTITUTE FULL PAYMENT FOR ADJUSTING THE INLET INCLUDING GRADE RINGS, CONCRETE SAWING, MORTAR, EXCAVATION, BACKFILL, REGRAIDING, ETC.

TRENCH IN ROCK

TRENCH IN ROCK WILL BE PERFORMED AT THE DIRECTION OF THE ENGINEER. FOR ANY INSTANCE WHERE THIS WORK IS PERFORMED, THE COST FOR TRENCHING IN ROCK SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM 625 TRENCH, 36” DEEP, AS PER PLAN.

IT IS ANTICIPATED THAT APPROXIMATELY 2%, OR 1500 FT OF TRENCHING WILL BE LOCATED IN ROCK.

PAVEMENT CUTTING, SAWING AND EXCAVATION OPERATIONS

ALL PUBLIC AGENCIES AND PRIVATE CONTRACTORS PERFORMING PAVEMENT-CUTTING OPERATIONS ON CITY OF COLUMBUS STREETS AND ROADWAYS SHALL PROTECT THE ENVIRONMENT FROM DISCHARGES CREATED BY THEIR PAVEMENT CUTTING OPERATIONS. NOTE THAT COLUMBUS CITY CODE 1145 PROHIBITS NON-STORMWATER DISCHARGE INTO THE CITY OF COLUMBUS SEWER SYSTEM, CURB INLETS AND ANY PART OF ITS MS4 (MUNICIPAL SEPARATE STORM SEWER SYSTEM).

THE REQUIREMENT INCLUDES BUT IS NOT LIMITED TO WET OR DRY SAW-CUTTING, JACK HAMMERING, EXCAVATION EQUIPMENT USE, ETC. THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR WORK CREWS SHALL RECOVER AND DISPOSE OF DETRITUS, POLLUTED WATERS, OR OTHER SUCH DISCHARGES RESULTING FROM THEIR PAVEMENT CUTTING OPERATIONS AND PROTECT ALL STORM SEWER INLETS FROM RECEIVING ANY DISCHARGES FROM THE CONSTRUCTION OPERATIONS . THE AGENCY OR CONTRACTOR RESPONSIBLE FOR EACH PAVEMENT CUTTING ACTIVITY SHALL BE SOLELY LIABLE FOR NOTICE OF VIOLATIONS (NOV/S) AND FINES ISSUED BY CITY OF COLUMBUS AND/OR STATE OF OHIO AUTHORITIES.

EQUIPMENT, MATERIALS AND METHODS SHALL BE PROVIDED BY THE RESPONSIBLE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR TO WORK CREWS PERFORMING THE PAVEMENT CUTTING ACTIVITY AND MADE AVAILABLE TO WORK CREWS FOR USE IN CLEANING UP DISCHARGES RESULTING FROM SUCH CUTTING ACTIVITIES AND PREVENTING RUNOFF. ALL WORK CREWS SHALL BE TRAINED TO EXERCISE AND EMPLOY EQUIPMENT, MATERIALS, AND ENVIRONMENTAL PROTECTIVE MEASURES TO PREVENT POLLUTED DISCHARGES FROM ENTERING THE CITY OF COLUMBUS STORM SEWER SYSTEM AND WATERS OF THE STATE OF OHIO.

THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE INLET PROTECTION IS ADEQUATE. THE MOST STRINGENT PROJECT PLANS, NOTES AND/OR DRAWINGS INCLUDING STORMWATER POLLUTION PREVENTION PLAN (SWP3)OR SPILL PREVENTION/REMEDIATION PLAN SHALL APPLY TO ALL PAVEMENT CUTTING, SAWING OR EXCAVATION OPERATIONS.

NOTE TO SPECIFICATION WRITERS: IF SWP3 OR SPILL PREVENTION/REMEDIATION PLANS ARE INCLUDED IN CONTRACT DOCUMENTS, THEY SHOULD BE CITED IN THE LAST PARAGRAPH ABOVE BY VOLUME, PAGE OR SHEET NUMBERS; SO DIRECTING THE READER TO SUCH PLAN.

FULL WIDTH PAVEMENT REPAIR

AT LOCATIONS WHERE TRENCHING IN PAVED AREA FOR DISTANCES GREATER THAN 100FT THE CONTRACTOR SHALL REPLACE THE SURFACE COURSE FOR THE FULL WIDTH OF THE LANE IN WHICH THE TRENCH HAS BEEN CONSTRUCTED.

THIS CONDITION APPLIES TO THE FOLLOWING LOCATIONS:

SEPARATE BID ITEMS HAVE BEEN PROVIDED IN THE DETAILS OF THE PLANS AND CARRIED TO THE GENERAL SUMMARY FOR PAVING ITEMS. REFER TO COLUMBUS STANDARD DRAWING 1441 FOR DETAILS.

|            |           | LOCATION |        | LENGTH | WIDTH | ITEM 254, PAVEMENT PLANING, 1-1/2" DEEP | ITEM 407, TACK COAT | ITEM 448, 1-1/2" ASPHALT CONCRETE SURFACE COURSE, MEDIUM TRAFFIC, PG70-22M, APP |
|------------|-----------|----------|--------|--------|-------|-----------------------------------------|---------------------|---------------------------------------------------------------------------------|
|            | SHEET NO. | FROM     | TO     | FT     | FT    | SY                                      | GAL                 | CY                                                                              |
| STELZER RD | 222       | 75+75    | 80+75  | 500    | 11    | 612                                     | 48                  | 23                                                                              |
| STELZER RD | 225       | 97+30    | 102+00 | 470    | 11    | 574                                     | 45                  | 21                                                                              |
| HIGH ST    | 409       | 161+00   | 161+90 | 90     | 25    | 250                                     | 20                  | 9                                                                               |
| TOTAL      |           |          |        |        |       | 1436                                    | 113                 | 53                                                                              |

JACKING OR DRILLING IN ROCK

JACKING OR DRILLING IN ROCK WILL BE PERFORMED AT THE DIRECTION OF THE ENGINEER. FOR ANY INSTANCE WHERE JACKING OR DRILLING IN ROCK WORK IS PERFORMED, THE COST FOR JACKING OR DRILLING IN ROCK SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM 625 CONDUIT, JACKED OR DRILLED, 3”, AS PER PLAN AND ITEM 625 CONDUIT, JACKED OR DRILLED, 4”, AS PER PLAN.

IT IS ANTICIPATED THAT APPROXIMATELY 2%, OR 500 FT OF JACKING OR DRILLING WILL BE LOCATED IN ROCK.

CONTINGENT QUANTITIES

THE PAY ITEM QUANTITIES IN THE FOLLOWING TABLE ARE CARRIED TO THE GENERAL SUMMARY AND ARE TO BE PERFORMED ONLY AT THE DIRECTION OF THE ENGINEER.

| ITEM | QUANTITY | UNIT | DESCRIPTION                                                                   |
|------|----------|------|-------------------------------------------------------------------------------|
| 202  | 1,000    | FT   | CONDUIT, MISC.: CONDUIT RESTORATION                                           |
| 202  | 100      | FT   | CURB AND GUTTER REMOVED                                                       |
| 202  | 100      | FT   | CURB REMOVED                                                                  |
| 202  | 2,500    | FT   | EXIS TING CONDUIT CLEANED, AS PER PLAN                                        |
| 202  | 5        | EACH | REMOVAL, MISC.: REMOVE EXISTING WOOD POLE                                     |
| 202  | 600      | FT   | REMOVAL, MISC.: REMOVE MEDIAN BARRIER WALL                                    |
| 202  | 400      | SF   | WALK REMOVED                                                                  |
| 202  | 1        | LS   | ESC/SWP3, AS PER PLAN                                                         |
| 207  | 100      | SY   | PAVEMENT PLANING, 1-1/2" DEEP                                                 |
| 254  | 5        | GAL  | TACK COAT                                                                     |
| 407  | 100      | CY   | 1-1/2" ASPHALT CONCRETE SURFACE COURSE, MEDIUM TRAFFIC, PG70-22M              |
| 448  | 200      | SF   | 4" CONCRETE WALK                                                              |
| 608  | 200      | SF   | 8" CONCRETE WALK                                                              |
| 608  | 4        | EACH | CURB RAMP                                                                     |
| 608  | 8        | EACH | DETECTABLE WARNING, TYPE E                                                    |
| 608  | 50       | LF   | COMBINATION CURB AND GUTTER, TYPE SPECIAL 8"                                  |
| 609  | 50       | LF   | COMBINATION CURB AND GUTTER, TYPE STANDARD                                    |
| 609  | 50       | FT   | CURB, STRAIGHT 18"                                                            |
| 609  | 100      | HR   | LAW ENFORCEMENT OFFICER WITH PATROL CAR                                       |
| 614  | 40       | HR   | LAW ENFORCEMENT OFFICER WITHOUT PATROL CAR                                    |
| 614  | 600      | FT   | BARRIER, MISC.: MEDIAN BARRIER WALL                                           |
| 625  | 1        | EACH | 36" MEDIAN JUNCTION BOX                                                       |
| 625  | 2        | EACH | BRACKET ARM, 30", AS PER PLAN                                                 |
| 625  | 250      | FT   | CONDUIT, 2", AS PER PLAN                                                      |
| 625  | 2,500    | FT   | CONDUIT, 3", AS PER PLAN                                                      |
| 625  | 500      | FT   | CONDUIT, 4", AS PER PLAN                                                      |
| 625  | 100      | FT   | CONDUIT, CONCRETE ENCASED, 2-3", 725.05, AS PER PLAN                          |
| 625  | 100      | FT   | CONDUIT, CONCRETE ENCASED, 4-3", 725.05, AS PER PLAN                          |
| 625  | 1,000    | FT   | CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN                                   |
| 625  | 200      | FT   | CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN                                   |
| 625  | 600      | FT   | CONDUIT, MISC.: CONDUIT REPAIR                                                |
| 625  | 20       | EACH | GROUND ROD                                                                    |
| 625  | 2        | EACH | PULL BOX, 18", 725.06, AS PER PLAN                                            |
| 625  | 8        | EACH | PULL BOX, 18", 725.08, AS PER PLAN                                            |
| 625  | 25       | EACH | PULL BOX, CONCRETE 32", AS PER PLAN                                           |
| 625  | 2        | EACH | PULL BOX, CONCRETE 48", AS PER PLAN                                           |
| 625  | 20       | EACH | PULL BOX, MISC.: PULL BOX REPAIRED                                            |
| 625  | 5        | EACH | PULL BOX, REMOVED, AS PER PLAN                                                |
| 625  | 100      | FT   | TRENCH IN PAVED AREA, AS PER PLAN                                             |
| 625  | 1,000    | FT   | TRENCH, 36" DEEP, AS PER PLAN                                                 |
| 632  | 15       | EACH | CONDUIT RISER, 2", 725.04, AS PER PLAN                                        |
| 632  | 15       | EACH | DOWN GUY                                                                      |
| 632  | 6,000    | FT   | INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND                      |
| 632  | 500      | FT   | INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND                       |
| 632  | 1,000    | FT   | INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND                      |
| 632  | 500      | FT   | INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 72 STRAND                       |
| 632  | 2        | EACH | INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT |
| 632  | 2,000    | EACH | INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE                          |
| 632  | 750      | FT   | INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT                  |
| 632  | 2,500    | FT   | INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT              |
| 632  | 1,000    | FT   | INTERCONNECT CABLE, MISC.: REMOVE EXISTING UNDERGROUND INTERCONNECT           |
| 632  | 1        | EACH | INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED      |
| 632  | 12       | EACH | INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE                  |
| 632  | 6        | EACH | INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE                       |
| 632  | 2        | EACH | INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU                       |
| 632  | 2        | EACH | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU                        |
| 632  | 5        | EACH | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE         |
| 632  | 10       | EACH | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE         |
| 632  | 2        | EACH | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 450FT DROP CABLE         |
| 632  | 2        | EACH | INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU                       |
| 632  | 500      | FT   | INTERCONNECT, MISC.: UNDERGROUND FIBER OPTIC INSTALLATION                     |
| 632  | 1,000    | FT   | MESSANGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN         |
| 632  | 4        | EACH | SIGNALIZATION, MISC.: AERIAL CLAMP, ATTACHED TO BRIDGE                        |
| 632  | 500      | FT   | SIGNALIZATION, MISC.: CAT 5E CABLE, OUTDOOR RATED                             |
| 632  | 400      | FT   | SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE                                    |
| 632  | 2        | EACH | SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM                                   |
| 632  | 5        | EACH | SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT                   |
| 632  | 8        | EACH | SPREAD SPECTRUM RADIO, AS PER PLAN                                            |
| 632  | 10       | EACH | WOOD POLE, CLASS 5, 35 FT                                                     |
| 633  | 1        | EACH | CABINET, TYPE 334, AS PER PLAN                                                |
| 633  | 1        | EACH | CABINET, POLE MOUNTED, TYPE TS-2, AS PER PLAN                                 |
| 633  | 1        | EACH | CABINET, GROUND MOUNTED, TYPE TS-2, AS PER PLAN                               |
| 633  | 4        | EACH | CONTROLLER ITEM, MISC.: ETHERNET EXTENDER                                     |
| 633  | 40       | EACH | CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE         |
| 633  | 5        | EACH | CONTROLLER ITEM, MISC.: INTERNAL ETHERNET MODULE                              |
| 633  | 20       | EACH | CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH                               |
| 633  | 2        | EACH | CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH                               |
| 633  | 12       | EACH | CONTROLLER ITEM, MISC.: TERMINAL PORT SERVER                                  |
| 633  | 8        | EACH | CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN                  |
| 807  | 5        | EACH | VALVE BOX ADJUSTED TO GRADE                                                   |
| 807  | 5        | EACH | VALVE BOX ADJUSTED TO GRADE USING RISER                                       |
| SPEC | 50       | EACH | TOWING PARKED CARS                                                            |

CIP: 540007-100006  
PID NUMBER: 82573

GENERAL NOTES SHEET  
5 OF 12

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D – CONSTRUCTION AS-BUILT



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ITEM 614 – MAINTAINING TRAFFIC, LUMP SUM AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 614 MAINTAINING TRAFFIC, THE FOLLOWING REQUIREMENTS SHALL ALSO APPLY:

TEMPORARY TRAFFIC CONTROL ITEMS

1.

ALL TEMPORARY TRAFFIC CONTROL (TTC) DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (CURRENT EDITION). COPIES ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, OFFICE OF CONTRACTS, 1980 WEST BROAD STREET, COLUMBUS, OHIO 43223. NOTE: ALL DEVICES SHALL COMPLY, FOR CONDITION AND LOCATION, WITH THE CURRENT EDITION OF THE NCHRP 350 CRASH TESTING GUIDELINES.
2.

CONSTRUCTION OPERATIONS SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY THE DIVISION OF DESIGN AND CONSTRUCTION INSPECTOR. IF THE CONTRACTOR DOES NOT COMPLY WITH THE STANDARDS, INCLUDING THE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND THE REMOVAL OF CONFLICTING TRAFFIC CONTROLS, THEIR PERMIT SHALL BE REVOKED AND ALL WORK SHALL BE TERMINATED. TEMPORARY PAVEMENT MARKINGS TO INCLUDE, BUT NOT BE LIMITED TO, CHANNELIZING LINES, EDGE LINES, AND CENTERLINES SHALL BE INSTALLED AND MAINTAINED ON ALL CONSTRUCTION OPERATIONS LASTING A MINIMUM OF 14 CALENDAR DAYS OR AS DIRECTED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR THE PROJECT ENGINEER.
3.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE INSTALLED A MINIMUM OF 7 DAYS PRIOR TO CLOSURE OF A ROADWAY. THE MESSAGE SHALL ADVISE THE MOTORIST OF THE DATES, TIMES, AND DURATION OF THE CLOSURE. THE PCMS SHALL REMAIN IN PLACE FOR 7 DAYS AFTER THE START OF THE CLOSURE.
4.

THE CONTRACTOR SHALL GIVE ADVANCED NOTIFICATION (WRITTEN AND VERBALLY) TO THE TEMPORARY TRAFFIC CONTROL COORDINATOR AT (614) 645–6269 OR (614) 645–5845, THE COLUMBUS PAVING THE WAY PROGRAM COORDINATOR AT (614) 645–7283 OR (614) 645–6016, AND THE PROJECT MANAGER, INFORMING THEM OF ALL UPCOMING TRAFFIC PATTERN CHANGES. NOTIFICATION SHALL INCLUDE, BUT NOT BE LIMITED TO, WHAT, WHERE, WHEN, AND HOW PEDESTRIAN AND VEHICULAR TRAFFIC WILL BE AFFECTED, AND THE TEMPORARY TRAFFIC CONTROL PROCEDURES THE CONTRACTOR IS PLANNING TO USE. THE TYPE OF TRAFFIC CHANGE SHALL DETERMINE THE LENGTH OF ADVANCE NOTIFICATION REQUIRED:

| TYPE OF CHANGE                        | ADVANCE NOTIFICATION NEEDED           |
|---------------------------------------|---------------------------------------|
| DETOURS/ROAD CLOSURES                 | 30–DAY NOTIFICATION PRIOR TO CLOSURE. |
| LANE CLOSURES LASTING 2 WEEKS OR MORE | 2–WEEKS                               |
| LANE CLOSURES OF LESS THAN 2 WEEKS    | 3–DAYS                                |
| LANE CLOSURES OF 2 DAYS OR LESS       | 1–DAY                                 |

ANY OTHER UNFORESEEN IMPACTS TO TRAFFIC SHALL BE IMMEDIATELY REPORTED AS THEY OCCUR.
5.

A TTC PLAN (TTCP) INCLUDING PEDESTRIAN CONTROL SHALL BE SUBMITTED TO THE TTC COORDINATOR AT (614) 645–6269 OR (614) 645–5845 AT THE PRE–CONSTRUCTION MEETING OR A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO BEGINNING WORK. COPIES OF THE APPROVED TTCP SHALL BE GIVEN TO THE PROJECT ENGINEER AND KEPT ON SITE ALONG WITH THE STREET CLOSURE/OCCUPANCY PERMIT.
6.

TYPE C STEADY–BURN OR TYPE D 360–DEGREE STEADY–BURN WARNING LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS, AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT. ONLY 42 REFLECTORIZED CHANNELIZING DEVICES (DRUMS) SHALL BE PERMITTED FOR NIGHTTIME WORK WITH THE APPROVAL OF THE TTC COORDINATOR AT (614) 645–6269 OR (614) 645–5845 PER O.D.O.T. STANDARDS.
7.

A FLASHING ARROW PANEL (48” X 96”–TYPE C) SHALL BE USED IN LANE CLOSURES AS PER THE OHIO MANUAL.
8.

ALL TRENCHES WITHIN THE ROAD RIGHT–OF–WAY SHALL BE BACKFILLED OR SECURELY PLATED PER (CITY OF COLUMBUS GENERAL POLICY ON STEEL PLATE USAGE DATED 11/15/2006 AND 2007 STD. DWG. 1441) DURING NON–WORKING HOURS.
9.

ACCESS FOR PEDESTRIAN AND VEHICULAR TRAFFIC TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.

11.

ALL TRAFFIC LANES SHALL BE FULLY OPEN TO TRAFFIC FROM 6:00 AM TO 9:00 AM AND 4:00 PM AND TO 6:00 PM, OR 5:00 AM TO 9:00 AND 3:00 PM TO 7:00 PM WITHIN THE COLUMBUS BUSINESS DISTRICT (CBD) PARKING AREA, MONDAY THROUGH FRIDAY. TRAFFIC LANE CLOSURE(S) ARE PERMITTED DURING WORKING HOURS ON ONLY THOSE STREET IDENTIFIED ON THE MAINTENANCE OF TRAFFIC TABLE SHEETS 28 THRU 30.
14.

TWO–WAY, ONE–LANE TRAFFIC MAY BE MAINTAINED DURING CONSTRUCTION OPERATIONS ON ONLY THOSE STREET IDENTIFIED ON THE MAINTENANCE OF TRAFFIC TABLE, PER FIGURE 6H–10 (TA–10) OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
17.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, OR DETOURED AWAY FROM THE CONSTRUCTION SITE. TRAFFIC CONTROL FOR PEDESTRIAN MOVEMENT SHALL BE AS PER FIGURE 6H–28 (TA–28) AND 6H–29 (TA–29) OF PART IV OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL SIDEWALK DIVERSIONS AND TEMPORARY MID–BLOCK CROSSINGS SHALL BE PRE–APPROVED BY THE PROJECT ENGINEER OR THE TEMPORARY TRAFFIC CONTROL COORDINATOR.
18.

THE DEPARTMENT OF PUBLIC SERVICE, DIVISION OF PLANNING AND OPERATIONS WILL REMOVE OR COVER ALL PARKING METER HEADS PUT OUT OF SERVICE BY THIS PROJECT. THERE IS A \$60.00 DOLLAR CHARGE FOR THE REMOVAL AND REINSTALLATION OF EACH METER. IN ADDITION, A DAILY METER FEE WILL BE CHARGED FOR ALL ENFORCEMENT HOURS FOR EACH METER TAKEN OUT OF SERVICE. THESE CHARGES WILL BE COLLECTED FROM THE CONTRACTOR IN ADVANCE WITH THE ISSUANCE OF THE STREET OCCUPANCY/EXCAVATION PERMIT FROM THE DIVISION OF PLANNING AND OPERATIONS’ PERMIT OFFICE (614) 645–7497. THE PROJECT ENGINEER SHALL BE NOTIFIED A MINIMUM OF FORTY–EIGHT (48) HOURS (EXCLUDING SAT, SUN, & HOLIDAYS) PRIOR TO BEGINNING WORK.
19.

TEMPORARY ”EMERGENCY NO PARKING” SIGNS SHALL BE INSTALLED AT 50’ C/C MINIMUM BY USE OF EXISTING SIGN POSTS AND/OR DRUMS AND REMOVED BY THE CONTRACTOR IN AREAS WITH NO PARKING METERS. THE SIGNS SHALL HAVE THE INSTALLATION DATE, WORKING DATES, AND HOURS OF RESTRICTION SHOWN ON EACH SIGN. THESE SIGNS MAY BE OBTAINED FROM THE DIVISION OF PLANNING AND OPERATIONS’ PERMIT OFFICE. THE POLICE DIVISION REQUIRES THE ”EMERGENCY NO PARKING” SIGNS BE POSTED A MINIMUM OF SEVENTY–TWO (72) HOURS PRIOR TO ANY VEHICLES BEING TOWED. WITHIN TWENTY–FOUR (24) HOURS OF POSTING, THE CONTRACTOR SHALL SUPPLY THE DIVISION OF DESIGN AND CONSTRUCTION WITH A WRITTEN RECORD OF POSTED LOCATIONS (FAX: (614) 645–3298).
20.

TRAFFIC OPERATIONS’ PERSONNEL SHALL LOCATE AND MARK ALL UNDERGROUND TRAFFIC CONTROL CABLES. THE TRAFFIC OPERATIONS SHOP SHALL BE NOTIFIED AT (614) 645–7393 (FAX: (614) 645–5967) AT LEAST FORTY–EIGHT (48) HOURS (EXCLUDING SAT. & SUN.) PRIOR TO THE BEGINNING OF ANY WORK WITHIN 450 FEET OF ANY SIGNALIZED INTERSECTION(S) OR WITHIN ANY POSTED AREA WHERE THE DIVISION HAS UNDERGROUND CABLE. THE SIGNAL OPERATION ENGINEER (645–6418) SHALL BE NOTIFIED SIX (6) WEEKS IN ADVANCE FOR SIGNAL REVISIONS OR POLE RELOCATIONS.
21.

NO EXCAVATION SHALL BE MADE WITHIN FIVE (5) FEET OF ANY FOUNDATION THAT SUPPORTS SIGNAL POLES, TRAFFIC SIGNAL DISPLAYS OR SIGNS BY MAST ARM OR SIGNAL SPAN. EXCAVATION WITHIN EIGHT (8) FEET, BUT MORE THAN FIVE (5) FEET SHALL REQUIRE ADDITIONAL SUPPORT (DOWN GUY, HEAD GUY, BASE GUY, ETC.). THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER AT LEAST FORTY–EIGHT (48) HOURS (EXCLUDING SAT. & SUN.) PRIOR TO THE BEGINNING OF SUCH EXCAVATION SO THAT THE CITY CAN APPROVE THE STABILIZATION SETUP BY THE CONTRACTOR. STABILIZATION SHALL BE APPROVED BY THE ENGINEER AND WILL BE DONE BY THE CONTRACTOR AT THE CONTRACTOR’S EXPENSE.
22.

WHEN ANY TRAFFIC CONTROL DEVICE, CONDUIT, OR CABLE IS DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. IF UNABLE TO CONTACT THE ENGINEER CALL (614) 645–7393.
23.

THE ROADWAY SHALL NOT BE OPENED TO NON–CONSTRUCTION TRAFFIC UNTIL THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE IN PLACE, OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER, ARE INSTALLED. THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE STOP, YIELD, ONE WAY, DO NOT ENTER AND RESTRICTED TURN SIGNS. OTHER CRITICAL SIGNS MAY BE NOTED ON THE PLANS AS WELL. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS.

24.

THE ROADWAY OR ANY SECTION OF ROADWAY SHALL NOT BE OPENED TO NON–CONSTRUCTION TRAFFIC UNTIL ALL TEMPORARY, NON–REFLECTIVE, BLACKOUT TAPE HAS BEEN COMPLETELY REMOVED FROM NON–CONFLICTING PERMANENT PAVEMENT MARKINGS FOR THAT AREA OF THE ROADWAY, OR UNLESS OTHERWISE DIRECTED IN WRITING BY THE ENGINEER. THIS IS SUPPLEMENTAL TO CMS–614.11–F, AND SHALL BE PAID FOR THROUGH THE (614) LUMP SUM.
25.

THE CONTRACTOR SHALL MAINTAIN ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS THROUGHOUT THIS PROJECT. PERMANENT TRAFFIC CONTROLS MAY BE TEMPORARILY RELOCATED OR COVERED, AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, OR IMPROPERLY PLACED SIGNS.
26.

ANY WORK DONE BY THE DIVISION OF PLANNING AND OPERATIONS, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF TEMPORARY TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS’ EXPENSE.
27.

WHENEVER YELLOW CENTERLINES OR TURN–LANE LINES ARE PAVED OVER, REMOVED, OR OTHERWISE UNSERVICEABLE, THE CONTRACTOR SHALL INSTALL CLASS II TEMPORARY STRIPING (MINIMUM 4’ LONG SEGMENTS). TEMPORARY PAINT SHALL BE USED ON ALL MILLED SURFACES. TEMPORARY TAPE SHALL BE USED ON ALL FINAL COURSES OF ASPHALT. PAINT OR TAPE MAY BE USED ON INTERMEDIATE COURSES OF ASPHALT. IF APPROVED BY THE ENGINEER, DRUMS WITH STEADY BURNING TYPE C OR TYPE D 360 DEGREE WARNING LIGHTS AND KEEP RIGHT SIGNS MAY BE SUBSTITUTED FOR CENTERLINE MARKINGS.
28.

CLASS II TEMPORARY STRIPING (MINIMUM 4’ LONG SEGMENTS) SHALL BE AS PER ITEM 614 – WORK ZONE PAVEMENT MARKING AND SHALL BE PLACED WITHIN ONE (1) FOOT LONGITUDINAL TOLERANCE OF THE PERMANENT STRIPE(S). ALL TEMPORARY STRIPING NOT TO WITHIN ONE (1) FOOT TOLERANCE SHALL BE REMOVED AND REPLACED IN THE PROPER LOCATION BY THE CONTRACTOR. CLASS II TEMPORARY STRIPING SHALL BE OF THE APPROPRIATE COLOR AND SPACED A MAXIMUM OF FORTY (40) FEET CENTER TO CENTER.
29.

ALL COSTS THAT CONSIST OF MAINTAINING AND PROTECTING VEHICULAR AND PEDESTRIAN TRAFFIC ACCORDING TO THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), AND PER THE REQUIREMENTS DESIGNATED IN THE PLAN INCLUDING ALL LAW ENFORCEMENT OFFICER (LEO) AND FLAGGER HOURS SHALL BE INCLUDED IN THE LUMP SUM, ITEM 614.

IN ADDITION TO THE REQUIREMENTS HEREIN, AND THE LATEST EDITION OF THE OMUTCD, A UNIFORMED LAW ENFORCEMENT OFFICER (LEO) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC UNDER THE FOLLOWING CONDITIONS:

- WORK WITHIN A SIGNALIZED INTERSECTION, DEFINED AS THE AREA BOUNDED BY THE REAR X–WALK LINES
- WHEN FLAGGING WITHIN THE INTERSECTION OF TWO ARTERIAL ROADWAYS
- WHEN SPECIFIED IN THE MAINTENANCE OF TRAFFIC PLAN OR AS DIRECTED BY THE PROJECT ENGINEER
- WORK ON MAINLINE LANES OF TRAVEL ON INTERSTATES AND STATE ROUTES (FREEWAYS)
- ANY ENTRANCE OR EXIT RAMPS
- ANY OTHER SITUATION THE CONTRACTOR DEEMS NECESSARY FOR THE SAFETY OF ITS EMPLOYEES OR THE PUBLIC

A FLAGGER SHALL BE UTILIZED TO ASSIST IN CONTROLLING TRAFFIC WHILE EQUIPMENT IS ENTERING OR EXITING AN INTERSECTION OR WORK ZONE. THE CONTRACTOR MAY UTILIZE HIS OWN FLAGGER OR LEO UNDER ITEM 614 MAINTAINING TRAFFIC, LUMP SUM.

FLAGGERS AND LEOS SHALL BE EQUIPPED ACCORDING TO THE STANDARDS FOR FLAGGING TRAFFIC CONTAINED IN THE OMUTCD. FLAGGING OPERATIONS PERFORMED BY LEO’S OR DESIGNATED FLAGGERS SHALL ONLY BE PERMITTED AS LONG AS ALL TRAFFIC CONTROL IS IN PLACE ACCORDING TO FIGURE 6H–10 (TA–10) IN THE OMUTCD.

IF THE CONTRACTOR WISHES TO UTILIZE LEO’S FOR TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE. THE CONTRACTOR SHALL MAKE ARRANGEMENTS THROUGH THE COLUMBUS POLICE DIVISION AT (614) 645–4795.

LEO’S SHALL BE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH EMPLOYED BY THE CONTRACTOR, THE CITY REPRESENTATIVE SHALL HAVE CONTROL OVER THEIR PLACEMENT.



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IF A SAFETY HAZARD DEVELOPS, A LEO MAY BE ASSIGNED BY THE COLUMBUS SAFETY AND SERVICE DIRECTOR AT THE CONTRACTOR’S EXPENSE.

EXISTING PERMANENT TRAFFIC CONTROL ITEMS

1.

ALL OVERHEAD CABLE, DOWN GUYS OR BACK GUYS SHALL NOT BLOCK ANY PORTION OF A TRAFFIC SIGNAL, TRAFFIC CONTROL SIGN, OR OTHER TRAFFIC CONTROL DEVICE SUCH THAT VISIBILITY OR OPERATION OF THE TRAFFIC CONTROL DEVICE IS IMPAIRED.
2.

THE ROADWAY SHALL NOT BE OPENED TO NON–CONSTRUCTION TRAFFIC UNTIL THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE IN PLACE, OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER, ARE INSTALLED. THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE STOP, YIELD, ONE WAY, DO NOT ENTER AND RESTRICTED TURN SIGNS. OTHER CRITICAL SIGNS MAY BE NOTED ON THE PLANS AS WELL. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS.
3.

ALL PROPOSED PERMANENT PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS AS SHOWN ON THIS PLAN SHALL BE INSTALLED BY THE CONTRACTOR AT THE PROJECTS EXPENSE. THE PROJECT ENGINEER SHALL BE NOTIFIED TO DIRECT APPROPRIATE PERSONNEL A MINIMUM OF FORTY–EIGHT (48) HOURS (EXCLUDING SAT. & SUN.) PRIOR TO THE INSTALLATION OF PERMANENT MARKINGS TO INSPECT AND APPROVE THE PAVEMENT MARKING LAYOUT PRIOR TO PLACING THE PERMANENT MARKINGS.
4.

ANY WORK DONE BY THE DIVISION OF PLANNING AND OPERATIONS, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS’ EXPENSE.
5.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTALLATION AND/OR REPLACEMENT OF ALL PERMANENT TRAFFIC CONTROL DEVICES DAMAGED OR REMOVED DURING CONSTRUCTION. PERMANENT TRAFFIC CONTROL NO LONGER IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE REPLACED IMMEDIATELY.
6.

PERMANENT STRIPING OR CLASS I TEMPORARY STRIPING SHALL BE INSTALLED NO LATER THAN FOURTEEN (14) CALENDAR DAYS AFTER THE FINAL PAVING COURSE IS COMPLETED. THE PAVING CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE STRIPING CONTRACTOR TO INSURE THE PERMANENT STRIPING IS INSTALLED WITHIN THE FOURTEEN (14) CALENDAR DAY LIMIT.
8.

AT ANY LOCATION WHERE THE CONTRACTOR DAMAGES DETECTORS AND/OR THEIR LEAD–IN CABLES THE CONTRACTOR SHALL REPLACE THEM. AT ANY LOCATION WHERE DETECTION IS CHANGED FROM MAG PROBE UNITS TO LOOPS, THE CONTRACTOR SHALL REPLACE THE PROBE LEAD–IN WITH LOOP LEAD–IN CABLE. ALL REPAIRS TO DETECTION SHALL BE COMPLETED WITHIN 21 DAYS FROM DAMAGE TO DETECTION ON A PER INTERSECTION BASIS. IF THE 21 DAY REPAIR REQUIREMENT CANNOT BE SATISFIED AT ANY LOCATION WHERE THE CONTRACTOR DAMAGES DETECTORS AND/OR THEIR LEAD–IN CABLES, THE CONTRACTOR, AT THE DISCRETION OF ENGINEER, MAY BE REQUIRED TO INSTALL TEMPORARY VIDEO DETECTION OR TEMPORARY LOOP DETECTION. ANY CONTRACTOR FAILING TO COMPLY WITH THESE GUIDELINES SHALL BE SUBJECT TO PENALTY TO THE SUM OF \$100.00 PER DAY FOR EACH DAY BEYOND THE 21 DAY REPAIR PERIOD ON A PER INTERSECTION BASIS, UNTIL CONDITIONS ARE MET TO THE SATISFACTION OF THE ENGINEER. THIS PENALTY DEDUCTION SHALL BE SPECIFIC FOR EACH SIGNALIZED INTERSECTION EFFECTED BY THIS PROJECT AND SEPARATE FROM ANY LIQUIDATED DAMAGES FOR THE PROJECT AS A WHOLE. THE WORK TO INSTALL THE DETECTION SHALL CONFORM TO ODOT STANDARD CONSTRUCTION DRAWING TC–82.10 (DATED 01/21/11 OR LATER) AND TO THE CURRENT CITY OF COLUMBUS (COC) CONSTRUCTION AND MATERIAL SPECIFICATIONS WITH THE FOLLOWING PROVISIONS:

A)

THE CONTRACTOR SHALL PROVIDE THE DIVISION OF DESIGN AND CONSTRUCTION’S INSPECTOR, PRIOR TO THE COMMENCEMENT OF WORK, THE IMSA (INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION) CERTIFICATION PAPERS FOR ALL SIGNAL TECHNICIANS WORKING ON THIS PROJECT.

B)

LOCATIONS OF THE REPLACEMENT DETECTION SHALL BE FIELD MARKED OR DIMENSIONED DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER. LOCATION OF FINAL PAVEMENT MARKINGS OR THE MARKINGS THEMSELVES SHALL BE CLEARLY INDICATED ON THE ASPHALT PRIOR TO DETECTOR LOCATIONS BEING MARKED. THE CONTRACTOR SHALL LAYOUT THE LOOPS ON THE PAVEMENT IF DRAWINGS ARE SUBMITTED. IF DRAWINGS HAVE NOT BEEN PROVIDED, CONTACT THE ENGINEER AT LEAST TWO WORKING DAYS PRIOR TO NEEDING THE LOCATION MARKED.

- C)

THE SAWSLOT DEPTH FOR LOOP WIRE INSTALLATION SHALL BE FOUR (4) INCHES WITH SIX (6) INCHES AT THE CONDUIT ENTRANCE. IF ADVERSE PAVEMENT CONDITIONS WARRANT, DEPTH MAY BE INCREASED TO SIX (6) INCHES THROUGHOUT AND SHALL BE DETERMINED BY THE DIVISION OF DESIGN AND CONSTRUCTION INSPECTOR.
- D)

EACH LOOP SHALL HAVE ITS OWN CONDUIT FROM EDGE OF PAVEMENT TO PULL BOX UNLESS SPECIFIED OTHERWISE BY THE DIVISION OF DESIGN AND CONSTRUCTION INSPECTOR.
- E)

THE PULLBOX ASSEMBLY SHALL BE RATED AS MEDIUM TO HEAVY DUTY, TO BE INSTALLED IN CONCRETE WALKWAYS, AND SHALL HAVE ALL STAINLESS STEEL HARDWARE. THE PULLBOX COVER SHALL HAVE THE WORD "TRAFFIC" ON IT. THE COVER SHALL BE BOLTED TO THE BOX AND SHALL BE EITHER POLYMER CONCRETE OR STEEL PLATE. THE COVER PLUS HOUSING AS A UNIT SHALL BE RATED TO WITHSTAND A MINIMUM 20,000 LB. STATIC LOAD OVER A 10 X10 AREA AS PER ASTM C–857. THE BOX DEPTH SHALL BE 18 INCHES MINIMUM TO 30 INCHES MAXIMUM. IF THE PROJECT DOES NOT SPECIFY CMSC 725.06 POLYMER CONCRETE PULL BOXES, THE SUPPLIED ASSEMBLIES SHALL BE AS FOLLOWS: CDR SYSTEMS MODEL SA32–1015–18, OR OLD CASTLE SYNERTECH MODEL 11 X18 X18". SIX (6) INCHES OF #4 AGGREGATE SHALL BE PLACED AT THE BOTTOM OF THE PULLBOX. NO CONDUIT SHALL PROTRUDE MORE THAN THREE (3) INCHES INSIDE THE PULLBOX. CONDUIT ELLS OR EXTENSIONS MAY BE USED TO ALIGN THE CONDUIT WITH THE HOUSING. THE COST FOR EXTENSIONS OR ELLS IF NEEDED SHALL BE INCIDENTAL TO THE PER UNIT PRICE.
- F)

WHEN A PULLBOX IS NOT USED, THE SOLDERED SPLICE SHALL BE MADE IN AN ANCHOR BASE STRAIN POLE OR A CONDUIT RISER SPECIFIED BY THE ENGINEER, EXCEPT WHERE A CONTROLLER CABINET IS MOUNTED ON THAT POLE IN WHICH CASE THE LOOP WIRE SHALL BE ROUTED DIRECTLY INTO THE CABINET.
- G)

THE CONTRACTOR SHALL NOT MAKE ANY WIRING CONNECTIONS OR ADJUSTMENTS INSIDE THE CONTROL CABINET. WHEN SUCH CONNECTIONS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE TRAFFIC OPERATIONS SHOP 645–7393, MON.–FRI., 8 AM TO 4 PM, TO SCHEDULE CITY FORCES FOR MAKING THE ACTUAL CONNECTIONS. THE CONTRACTOR SHALL BE AVAILABLE AT THE AGREED TIME. THE CONTRACTOR WILL BE BILLED FOR ANY TIME THAT CITY FORCES ARE REQUIRED TO WAIT FOR THE CONTRACTORS’ WORK TO BE COMPLETED.
- H)

CONDUIT PLACED IN RIGHT OF WAY AREAS BEARING NO TRAFFIC FOR DETECTOR LEAD IN SHALL BE ITEM 725.051 CMSC, LATEST EDITION. CONDUIT PLACED UNDER A ROADWAY OR IN AREAS THAT MAY BEAR TRAFFIC SHALL BE ITEM 725.04 (SIZES AND TYPE TO BE DETERMINED BY THE ENGINEER). ALL CONDUITS SHALL BE PLACED AT A MINIMUM DEPTH OF 24 INCHES.
- I)

LOOP WIRE SHALL BE IDENTIFIED WITH A PLASTIC TAG (WBLT, EBRT, ETC.) AT THE SPLICE POINT OR AT ENTRANCE TO THE CABINET IF LEAD–IN CABLE IS NOT USED.
- J)

THE ITEMS AND ESTIMATED QUANTITIES FOR THE REPLACEMENT OF THE DIVISION OF PLANNING AND OPERATIONS’ DETECTION ITEMS SHALL BE INCLUDED IN THESE PLANS OR AS DIRECTED BY THE DIVISION OF DESIGN AND CONSTRUCTION’S PLAN REVIEWER. THESE ESTIMATES ARE FOR THE PURPOSE OF BIDDING THE PROJECT.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER ALL LOOPS HAVE BEEN INSTALLED AT EACH INTERSECTION. IF UNABLE TO MAKE CONTACT, CALL 645–7393. THE DIVISION OF PLANNING AND OPERATIONS SHALL INSPECT ALL SENSORS AND TEST AS NECESSARY. THE CONTRACTOR SHALL REPLACE ALL LOOPS NOT MEETING SPECIFICATIONS.

PEDESTRIAN PATHWAY PROVISIONS AND MAINTENANCE – TO BE INCLUDED WITH ITEM 614

NOTE: ALONG WITH SPECIFIC CITY OF COLUMBUS REQUIREMENTS THE PROVISIONS AND MAINTENANCE OF PEDESTRIAN PATHWAYS FOR THIS PROJECT SHALL BE COMPLIANT WITH, BUT NOT LIMITED TO, CHAPTER 6D – PEDESTRIAN AND WORKER SAFETY FROM THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION). NOTE: TEMPORARY MID–BLOCK CROSSWALKS ARE NOT APPROVED FOR CITY OF COLUMBUS APPLICATIONS.

SPECIAL ATTENTION SHALL BE GIVEN TO THE FOLLOWING:

1) ADVANCED WRITTEN NOTIFICATION OF SIDEWALK CLOSURES, DETOURS, SIGNAGE, AND OTHER PEDESTRIAN GUIDANCE SHALL BE PROVIDED TO THE SURROUNDING COMMUNITY AND THE APPROPRIATE CITY OF COLUMBUS PERSONNEL (THIS SHALL BE ACCOMPLISHED AS PER THE PRE– CONSTRUCTION AND ADVANCED NOTIFICATION REQUIREMENTS AS PRESCRIBED IN THE PLAN NOTES SECTION AND MAINTENANCE OF TRAFFIC NOTES SECTION RESPECTIVELY IN THIS SET OF PLANS). SIDEWALK CLOSURE AND/OR DETOUR SIGNS SHALL BE MOUNTED ON BARRICADES THAT COMPLETELY BLOCK THE AREA THAT IS CLOSED.

2) PEDESTRIAN ACCESS TO RESIDENCES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES. MAINTAIN ACCESS TO BLOCKS FROM ONE END OR THE OTHER. FINISH WORK AT ONE END OF A BLOCK BEFORE DISTURBING THE OTHER END, OR INSTALL TEMPORARY SIDEWALK.

3) THERE SHALL NOT BE ANY ABRUPT CHANGES IN GRADE OR TERRAIN THAT COULD CAUSE A TRIPPING HAZARD OR COULD BE A BARRIER TO WHEELCHAIR USE. TEMPORARY WALKWAYS SHALL HAVE A SMOOTH HARD SURFACE, BE A MINIMUM OF 60” WIDE, AND WILL BE FREE OF ANY PROTRUSIONS.

4) IF A SIGNIFICANT POTENTIAL EXISTS FOR VEHICLE INCURSIONS INTO THE PEDESTRIAN PATH, PEDESTRIANS SHALL BE REROUTED OR TEMPORARY TRAFFIC DIVIDERS SHALL BE INSTALLED. IF A TEMPORARY TRAFFIC DIVIDER IS USED TO SHIELD PEDESTRIANS, IT SHALL BE DESIGNED TO ACCOMMODATE SITE CONDITIONS, PROVIDE AN ACCESSIBLE PASSAGE, AND BE DETECTABLE BY PEOPLE WITH DISABILITIES.

GENERAL NOTES SHEET 7 OF 12  
MAINTENANCE OF TRAFFIC SHEET 2 OF 5

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

CIP: 540007–100006  
PID NUMBER: 82573



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COORDINATION WITH OTHER PROJECTS

THE CONTRACTOR IS ADVISED OF THE POSSIBILITY OF OTHER CONSTRUCTION CONTRACTS IN THE SAME AREAS. THE OTHER PROJECTS MAY BE GOING ON CONCURRENTLY WITH THE PROJECT AND CLOSE COOPERATION BETWEEN CONTRACTORS IS NECESSARY TO ENSURE THAT THE TRAFFIC MAINTENANCE OPERATIONS FOR EACH AREA ARE, AT ALL TIMES, COMPATIBLE. THE ENGINEERS SHALL WORK TOGETHER TO RESOLVE ANY CONFLICTS.

THE CONTRACTOR’S ATTENTION IS DIRECTED TO SECTION 105.08 OF THE CMS.

ITEM 614 – LAW ENFORCEMENT OFFICER (LEO) WITH PATROL CAR, AS PER PLAN

IN ADDITION TO THE LEO AND FLAGGER HOURS INCLUDED IN ITEM 614 MAINTAINING TRAFFIC, LUMP SUM; THE FOLLOWING QUANTITIES HAVE BEEN CARRIED FORWARD TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER OR AN ACCEPTABLE REPRESENTATIVE OF THE CITY OF COLUMBUS. THE OFFICIAL PATROL CAR WITH WORKING TOP MOUNTED EMERGENCY FLASHING LIGHTS SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE. THE CONTRACTOR SHALL BE PAID FOR THIS BID ITEM ONLY IF DIRECTED BY THE ENGINEER.

ITEM 614 – LAW ENFORCEMENT OFFICER WITH PATROL CAR, AS PER PLAN – 200 HOURS

ITEM 614 – LAW ENFORCEMENT OFFICER (LEO) WITHOUT PATROL CAR, AS PER PLAN

IN ADDITION TO LEO AND FLAGGER HOURS INCLUDED IN THE ITEM 614 MAINTAINING TRAFFIC, LUMP SUM; THE FOLLOWING QUANTITIES HAVE BEEN CARRIED FORWARD THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER OR AN ACCEPTABLE REPRESENTATIVE OF THE CITY OF COLUMBUS. THE CONTRACTOR SHALL BE PAID FOR THIS BID ITEM ONLY IF DIRECTED BY THE ENGINEER.

ITEM 614 – LAW ENFORCEMENT OFFICER WITHOUT PATROL CAR, AS PER PLAN – 200 HOURS

LANES OPEN DURING HOLIDAYS

NO WORK SHALL BE PERFORMED AND THE SAME NUMBER OF LANES AS WERE AVAILABLE AT THE START OF THE PROJECT SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

| CHRISTMAS                                                                                                                                                                           | FOURTH OF JULY                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| NEW YEARS                                                                                                                                                                           | LABOR DAY                               |
| MEMORIAL DAY                                                                                                                                                                        | THANKSGIVING                            |
| THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD: |                                         |
| DAY OF HOLIDAY OR EVENT                                                                                                                                                             | TIME ALL LANES MUST BE OPEN TO TRAFFIC  |
| SUNDAY                                                                                                                                                                              | 12:00N FRIDAY THROUGH 6:00 AM MONDAY    |
| MONDAY                                                                                                                                                                              | 12:00N FRIDAY THROUGH 6:00 AM TUESDAY   |
| TUESDAY                                                                                                                                                                             | 12:00N MONDAY THROUGH 6:00 AM WEDNESDAY |
| WEDNESDAY                                                                                                                                                                           | 12:00N TUESDAY THROUGH 6:00 AM THURSDAY |
| THURSDAY                                                                                                                                                                            | 12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY |
| THURSDAY (THANKSGIVING ONLY)                                                                                                                                                        | 5:00AM WEDNESDAY THROUGH 6:00 AM MONDAY |
| FRIDAY                                                                                                                                                                              | 12:00N THURSDAY THROUGH 6:00 AM MONDAY  |
| SATURDAY                                                                                                                                                                            | 12:00N FRIDAY THROUGH 6:00 AM MONDAY    |

CITY OF COLUMBUS NOISE ORDINANCE

THE CONTRACTOR SHALL CONFORM TO THE CITY OF COLUMBUS CODE SECTION 2329.11.

CITY OF COLUMBUS SPECIAL EVENTS

THE CONTRACTOR SHALL CONTACT THE CITY OF COLUMBUS TEMPORARY TRAFFIC CONTROL COORDINATOR FOR ANY ADDITIONAL MOT REQUIREMENTS FOR SPECIAL EVENTS, INCLUDING OSU FOOTBALL HOME GAMES.

USE OF WEIGHTED CHANNELIZERS

THE WEIGHTED CHANNELIZER MAY BE USED IN ACCORDANCE WITH THIS SECTION. THE WEIGHTED CHANNELIZER SHALL BE PREDOMINANTLY ORANGE IN COLOR AND SHALL BE MADE OF LIGHTWEIGHT, FLEXIBLE, AND DEFORMABLE MATERIAL. THEY SHALL BE AT LEAST 42 INCHES IN HEIGHT WITH A WEIGHTED BASE. THE MAY HAVE A HANDLE OR LIFTING DEVICE WHICH EXTENDS ABOVE THE 42 INCHES MINIMUM HEIGHT.

THE MARKINGS ON THE WEIGHTED CHANNELIZER SHALL BE HORIZONTAL, CIRCUMFERENTIAL, ALTERNATING ORANGE AND WHITE RETROREFLECTIVE STRIPES 6 INCHES WIDE. EACH WEIGHTED CHANNELIZER SHALL HAVE A MINIMUM OF TWO ORANGE AND TWO WHITE STRIPES. ANY NON–RETROREFLECTIVE SPACES BETWEEN THE HORIZONTAL ORANGE AND WHITE STRIPES SHALL NOT EXCEED 2 INCHES WIDE. THE WEIGHTED CHANNELIZER SHALL HAVE A 4–INCH MINIMUM WIDTH, REGARDLESS OF ORIENTATION.

USE OF WEIGHTED CHANNELIZERS ON FREEWAYS AND MULTILANE HIGHWAYS SHALL BE LIMITED TO SHORT–TERM OPERATIONS FOR EITHER DAY OR NIGHT. UPON COMPLETION OF WORK, THE WEIGHTED CHANNELIZERS SHALL BE REMOVED. THE WEIGHTED CHANNELIZERS MAY AGAIN BE PLACED ON THE HIGHWAY WHEN THE WORK IS TO RESUME ON THE FOLLOWING DAY OR NIGHT. ANY LANE CLOSURE WORK USING CHANNELIZATION DEVICES, EXPECTED TO REMAIN FOR MORE THAN TWELVE HOUSE, SHALL REQUIRE THE USE OF DRUMS OR BARRICADES.

WHEN USED AT NIGHT, WEIGHTED CHANNELIZERS SHALL ONLY BE PLACED IN THE TANGENT AREA AND AT A MAXIMUM SPACING OF 40 FEET. THE TANGENT AREA IS DEFINED AS THE AREA AFTER THE TRANSITION TAPER WHERE THE WORK TAKES PLACE. DRUMS SHALL BE USED IN THE TRANSITION TAPERS FOR NIGHT OPERATIONS.

STEPS SHOULD BE TAKEN TO ENSURE THAT THE WEIGHTED CHANNELIZERS WILL NOT BE BLOWN OVER OR DISPLACED BY WIND OR MOVING TRAFFIC. BALLASTS SHOULD NOT PRESENT A HAZARD IF THE WEIGHTED CHANNELIZERS ARE INADVERTENTLY STRUCK, NOR SHOULD THEY AFFECT THE VISIBILITY OF THE WEIGHTED CHANNELIZERS. ALL BALLASTS USED SHOULD BE IN ACCORDANCE WITH THE MANUFACTURER’S SPECIFICATIONS.

PAYMENT SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

ITEM SPECIAL – TOWING PARKED CARS, EACH

THE CONTRACTOR IS TO BE RESPONSIBLE FOR NOTIFYING, BY LETTER WITH HIS COMPANY LETTERHEAD, RESIDENTS AND BUSINESSES ON STREETS WITH WORK TO BE PERFORMED. ADVANCED NOTICE SHALL BE TWO (2) WEEKS PRIOR TO THE FIRST DAY OF WORK ON THAT STREET. DOWNTOWN BUSINESS DISTRICT (DBD), DURATION OF THREE (3) WEEKS IS REQUIRED PRIOR TO MAKING NOTIFICATION IN THE DOWN TOWN AREA. FAILURE TO PROVIDE THE REQUIRED ADVANCED NOTICE WILL RESULT IN A ONE–HUNDRED (100) DOLLARS PER DAY PENALTY AS DETAILED IN NOTIFICATION REQUIREMENTS.

AFTER THE MINIMUM POSTING TIME HAS PASSED FOR “NO PARKING” RESTRICTION, VEHICLES IN THE WAY OF WORK CAN BE TOWED TO THE NEAREST ON STREET LOCATION OUTSIDE OF PLANNED WORK. THE CONTRACTOR MUST MAINTAIN A LIST OF VEHICLES TOWED INCLUDING THEIR LICENSE PLATE NUMBER AND LOCATION WHERE THEY WERE TOWED TO. PAYMENT FOR ALL WORK ASSOCIATED WITH TOWING VEHICLES WILL BE INCLUDED IN ITEM SPECIAL – TOWING PARKED CARS, EACH.

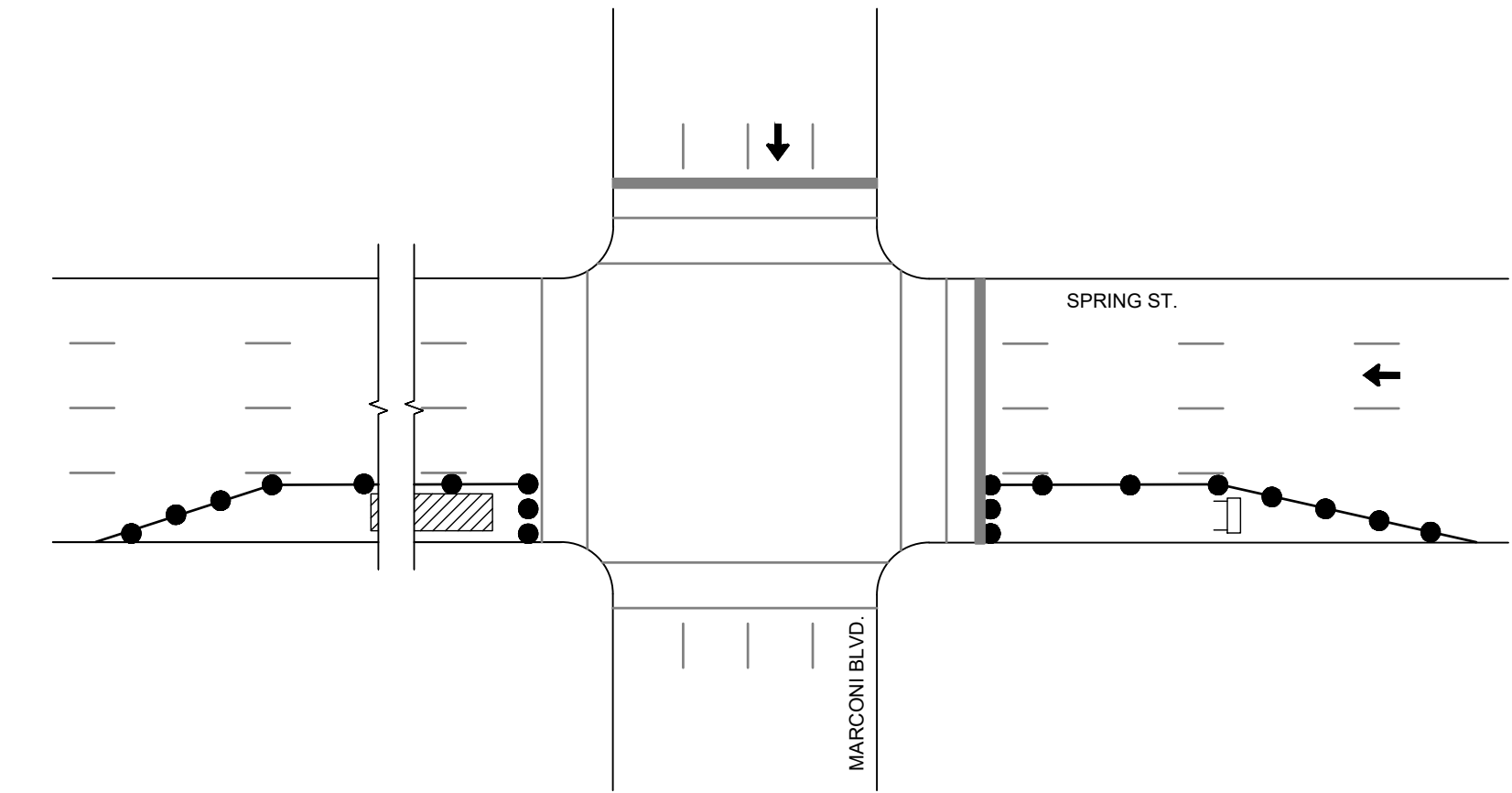




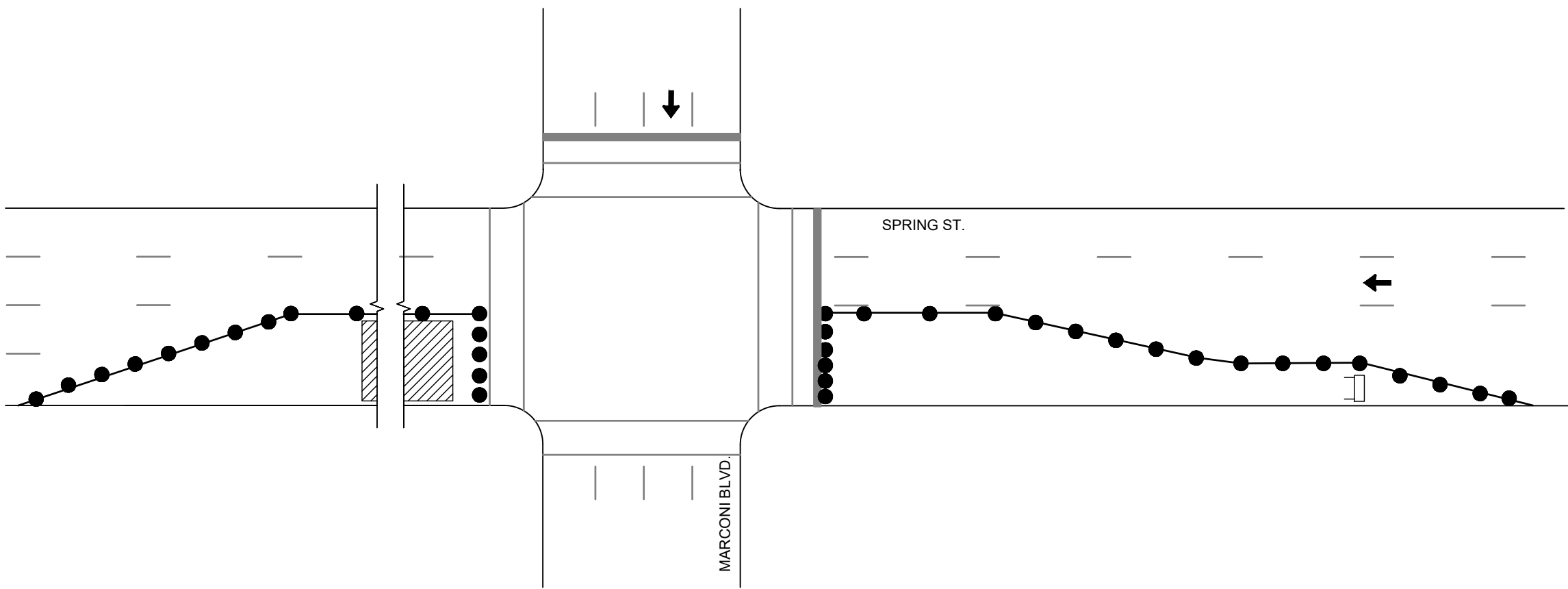
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MOT PLAN FOR SPRING STREET

PHASE 1  
CLOSE LEFT LANE FROM STA. 188+75 TO STA. 191+10 WHILE CONSTRUCTING  
PROPOSED CONDUIT. LANE CLOSURE SHALL BE PER SCD 1520.

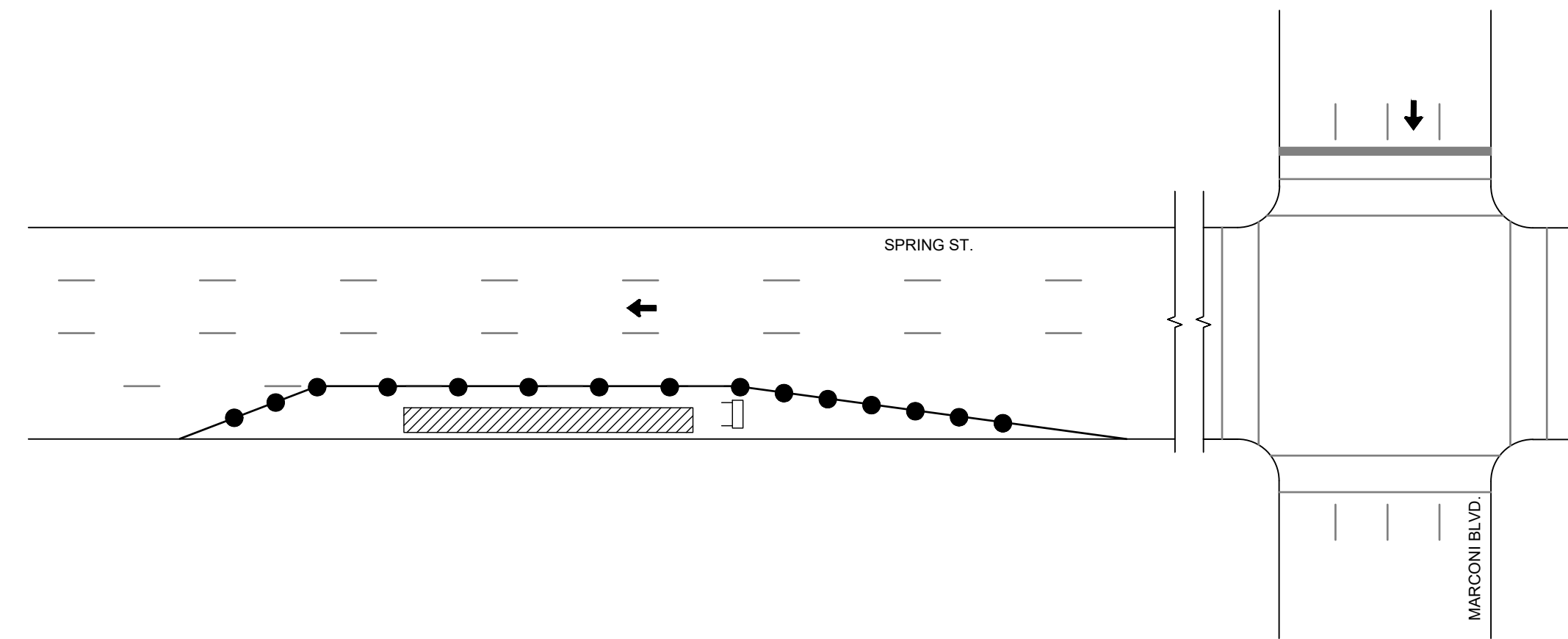


PHASE 2  
CLOSE LEFT 2 LANES FROM STA. 188+75 TO STA. 191+10 DURING PAVING  
OPERATIONS. LANE CLOSURE SHALL BE PER SCD 1530.



PHASE 3  
ALL LANES OPEN

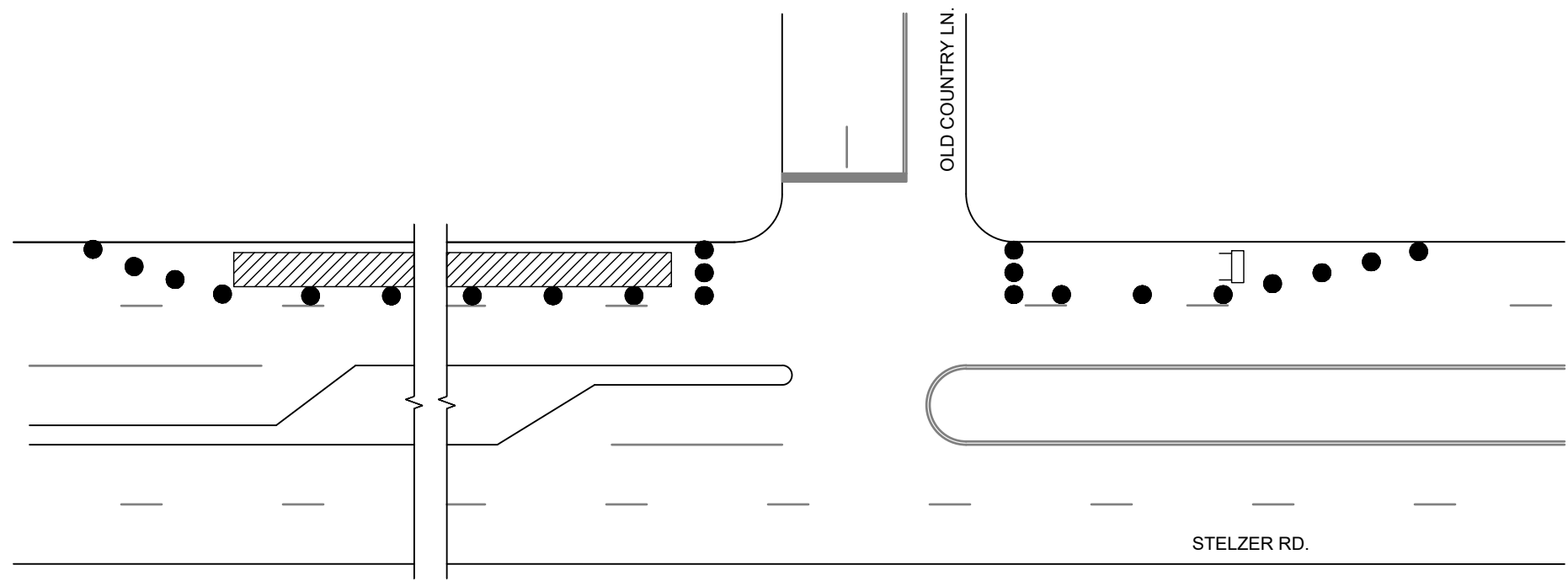
PHASE 4  
CLOSE LEFT LANE FROM STA. 186+50 TO STA. 186+75 WHILE INSTALLING  
FIBER-OPTIC CABLE IN PULL BOX LOCATED AT STA. 186+65. LANE CLOSURE  
SHALL BE PER SCD 1510.





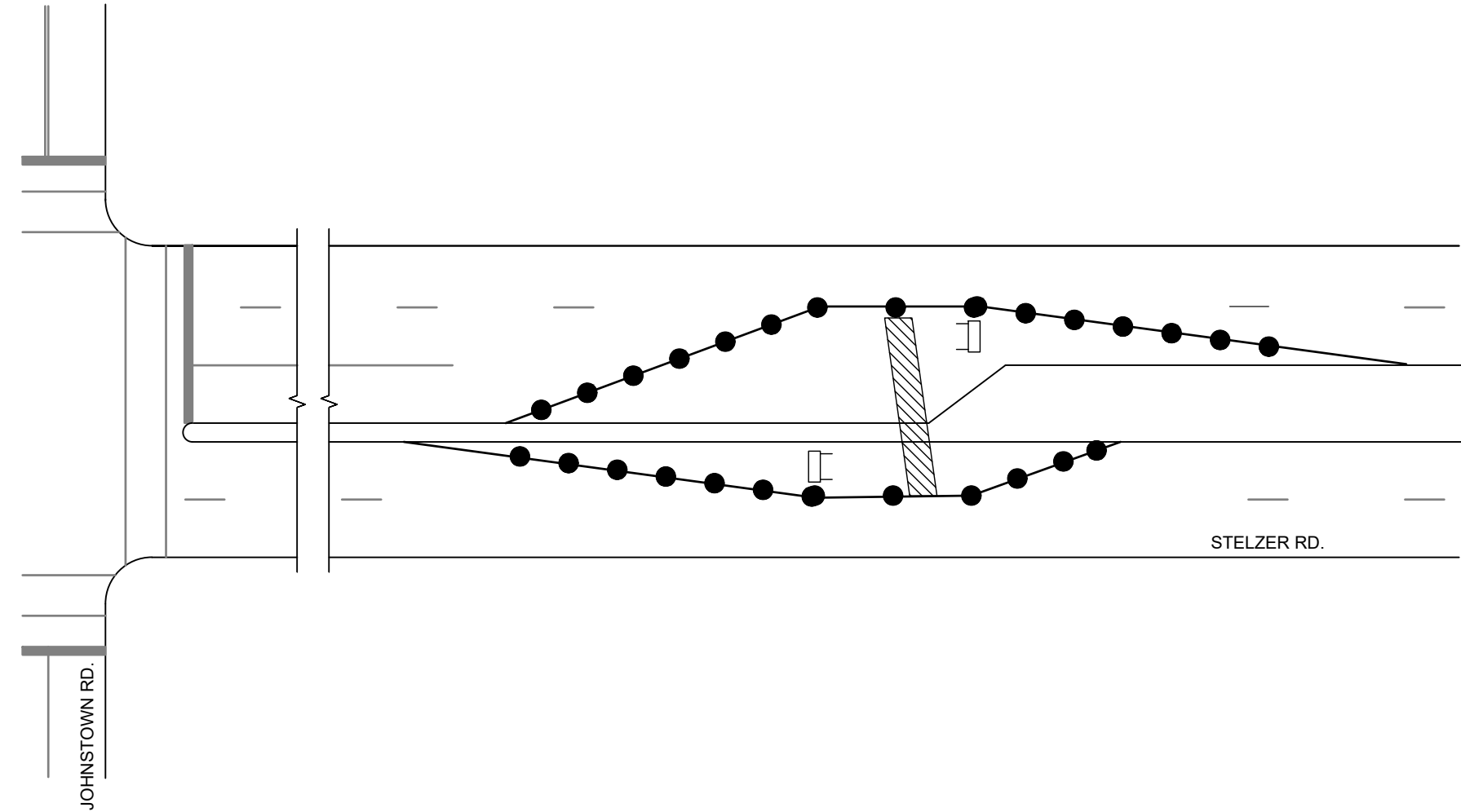
MOT PLAN FOR STELZER ROAD

PHASE 1  
CLOSE SOUTHBOUND RIGHT LANE FROM STA. 98+50 TO STA. 102+25 WHILE  
CONSTRUCTING PROPOSED CONDUIT. LANE CLOSURE SHALL BE PER SCD 1520.

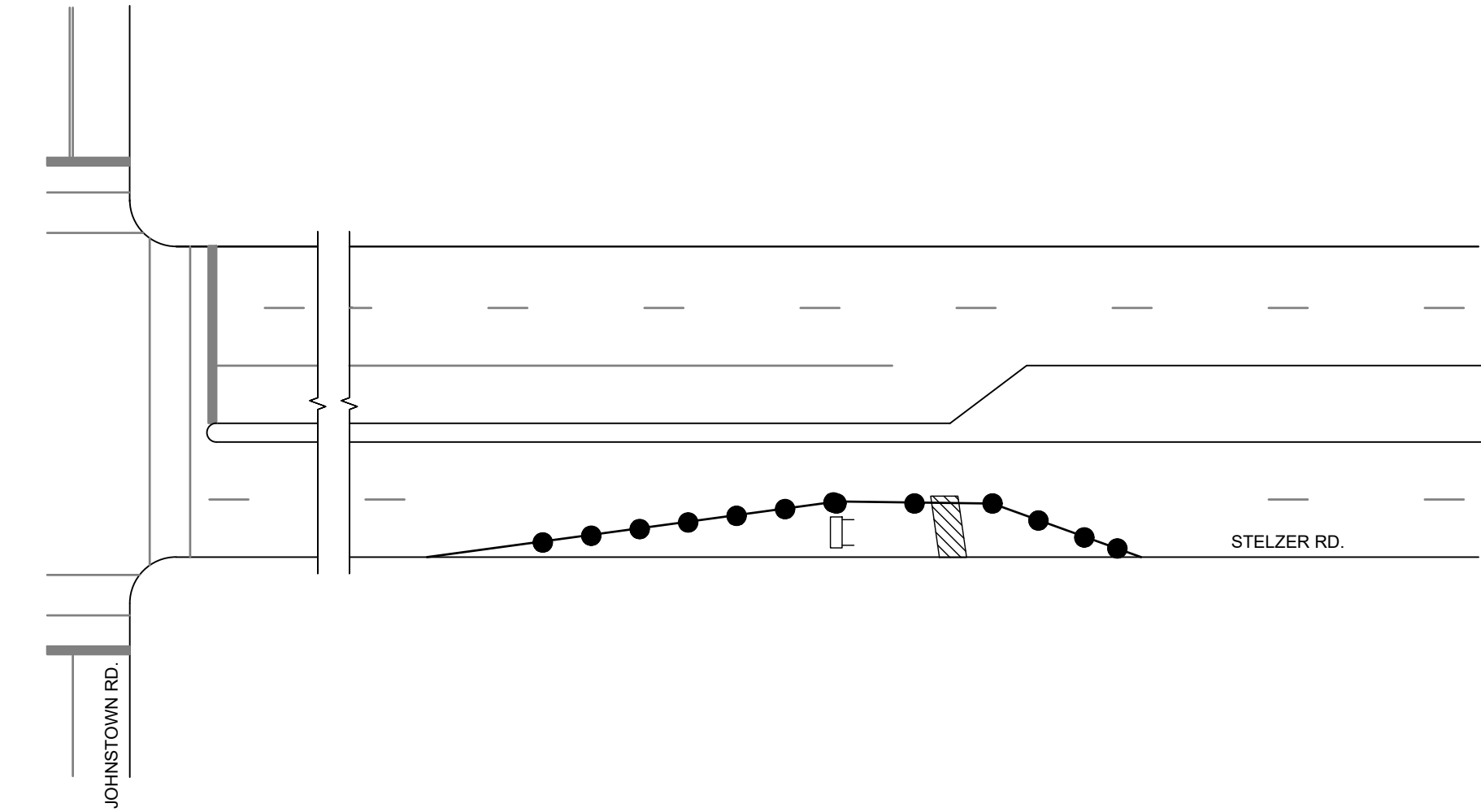


PHASE 2  
CLOSE SOUTHBOUND LEFT LANE FROM STA. 98+50 TO STA. 99+00 WHILE  
CONSTRUCTING PROPOSED CONDUIT. LANE CLOSURE SHALL BE PER SCD 1510.

CLOSE NORTHBOUND LEFT LANE FROM STA. 98+50 TO STA. 99+00 WHILE  
CONSTRUCTING PROPOSED CONDUIT. LANE CLOSURE SHALL BE PER SCD 1510.

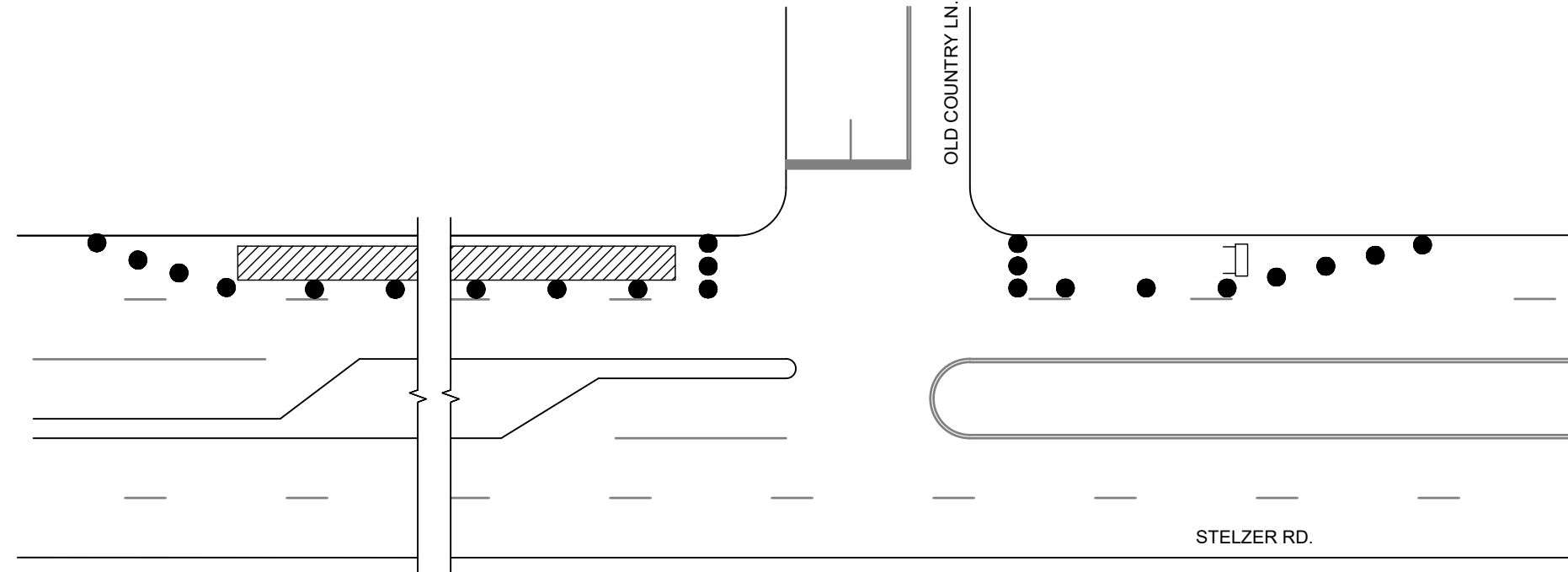


PHASE 3  
CLOSE NORTHBOUND RIGHT LANE FROM STA. 98+50 TO STA. 99+00 WHILE  
CONSTRUCTING PROPOSED CONDUIT. LANE CLOSURE SHALL BE PER SCD 1510.



PHASE 4  
ALL LANES OPEN

PHASE 5  
CLOSE SOUTHBOUND RIGHT LANE FROM STA. 98+50 TO STA. 102+25 WHILE  
INSTALLING FIBER OPTIC CABLE IN PULL BOXES LOCATED AT STA. 98+50 AND  
STA. 102+00. LANE CLOSURE SHALL BE PER SCD 1520.



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| Maintenance of Traffic Table for Multiple Locations |                              |                          |                |                     |                        |            |                 |                                   |                                       |              |                            |             |                    |                    |
|-----------------------------------------------------|------------------------------|--------------------------|----------------|---------------------|------------------------|------------|-----------------|-----------------------------------|---------------------------------------|--------------|----------------------------|-------------|--------------------|--------------------|
| EXISTING CONDITIONS                                 |                              |                          |                |                     |                        |            |                 | MAINTENANCE OF TRAFFIC CONDITIONS |                                       |              |                            |             |                    |                    |
| STREET NAME                                         | WORK LIMITS                  | SIGNALIZED INTERSECTIONS | PAVEMENT WIDTH | LANE WIDTH(S)       | PARKING                | COTA ROUTE | TRAFFIC PATTERN | TRAFFIC PATTERN                   | TYPE CLOSURE                          | LEO REQUIRED | SCD # OR DETAIL NAME/PG. # | DETOUR PG.# | WEEKDAY WORK HOURS | WEEKEND WORK HOURS |
| E. MAIN ST                                          | 3RD ST TO WASHINGTON         | THIRD AT E. MAIN         | 54'            | 11'/11'/11'/21'     | YES W/ PK HR RESTRICT. | Y          | 1W-4L           | 1W-2L                             | DUAL RIGHT LANE                       | Y            | 1510 & 1530                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | FOURTH AT E. MAIN        | 51'            | 20'/11'20'          |                        |            | 1W-3L           | 1W-2L                             | RIGHT LANE / LEFT LANE                | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | FIFTH AT E. MAIN         | 55'            | 23'/11'/21'         |                        |            | 1W-3L           | 1W-2L                             | LEFT LANE                             | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | GRANT AT E. MAIN         | 54'            | 16'/11'/11'/16'     |                        |            | 1W-4L           | 1W-2L                             | DUAL RIGHT LANE                       | Y            | 1510 & 1530                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | WASHINGTON AT E. MAIN    | 59'            | 14'/12'/11'/11'/11' |                        |            | 2W-5L           | 2W-3L                             | DUAL RIGHT LANE                       | Y            | 1510 & 1530                | N           | 9AM - 3:30 PM      | SEE NOTE           |
| THIRD ST                                            | MAIN ST. TO CHESTNUT ST.     | MAIN AT THIRD            | 55'            | 11'/11'/11'/11'/11' | YES W/ PK HR RESTRICT. | Y          | 1W-5L           | 1W-4L                             | LEFT LANE                             | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | RICH AT THIRD            | 55'            | 11'/11'/11'/11'/11' |                        |            |                 | 1W-4L                             | LEFT LANE                             | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | TOWN AT THIRD            | 55'            | 11'/11'/11'/11'/11' |                        |            |                 | 1W-3L                             | LEFT 2 LANES                          | Y            | 1510 & 1530                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | STATE AT THIRD           | 55'            | 11'/11'/11'/11'/11' |                        |            |                 | 1W-3L                             | LEFT 2 LANES                          | Y            | 1510 & 1530                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | BROAD AT THIRD           | 55'            | 11'/11'/11'/11'/11' |                        |            |                 | 1W-4L                             | LEFT LANE                             | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | LYNN AT THIRD            | 52'            | 11'/10'/10'/10'/11' |                        |            |                 | 1W-4L                             | LEFT LANE                             | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | GAY AT THIRD             | 52'            | 11'/10'/10'/10'/11' |                        |            |                 | 1W-3L                             | LEFT 2 LANES                          | Y            | 1510 & 1530                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | LONG AT THIRD            | 52'            | 11'/10'/10'/10'/11' |                        |            |                 | 1W-3L                             | LEFT 2 LANES                          | Y            | 1510 & 1530                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | SPRING AT THIRD          | 52'            | 11'/10'/10'/10'/11' |                        |            |                 | 1W-4L                             | LEFT LANE                             | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | CHESTNUT AT THIRD        | 52'            | 11'/10'/10'/10'/11' |                        |            |                 | 1W-4L                             | LEFT LANE                             | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              |                          |                |                     |                        |            |                 |                                   |                                       |              |                            |             |                    |                    |
| SPRING ST.                                          | WEST ST. TO MARCONI BLVD.    | MARCONI AT SPRING        | 44'            | 11'/11'/11'/11'     | NO                     | Y          | 1W-4L           | 1W-2L                             | LEFT 2 LANES                          | Y            | PG. 25                     | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | WEST AT SPRING           | 44'            | 11'/11'/11'/11'     |                        |            |                 | 1W-3L                             | LEFT LANE                             | Y            | PG. 25                     | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              |                          |                |                     |                        |            |                 |                                   |                                       |              |                            |             |                    |                    |
| GRANT ST.                                           | RICH ST. TO LONG ST.         | TOWN AT GRANT            | 42'            | 11'/10'/10'/11'     | NO                     | N          | 2W-4L           | 2W-3L                             | RIGHT LANE                            | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | STATE AT GRANT           | 43'            | 11'/10'/11'/11'     |                        |            |                 | 2W-3L                             | RIGHT LANE                            | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | OAK AT GRANT             | 44'            | 11'/11'/11'/11'     |                        |            |                 | 2W-3L                             | RIGHT LANE                            | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | BROAD AT GRANT           | 44'            | 11'/11'/11'/11'     |                        |            |                 | 2W-3L                             | RIGHT LANE                            | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | GAY AT GRANT             | 44'            | 11'/11'/11'/11'     |                        |            |                 | 2W-3L                             | RIGHT LANE                            | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              | LONG AT GRANT            | 44'            | 11'/11'/11'/11'     |                        |            |                 | 2W-3L                             | RIGHT LANE                            | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              |                          |                |                     |                        |            |                 |                                   |                                       |              |                            |             |                    |                    |
| WASHINGTON ST.                                      | BROAD ST. TO LONG ST.        | LONG AT WASHINGTON       | 32'            | 12'/20'             | YES                    | N          | 2W-2L           | 2W-1L W/ FLAGGER                  | RIGHT LANE                            | Y            | 1550                       | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              |                          |                |                     |                        |            |                 |                                   |                                       |              |                            |             |                    |                    |
| LONG ST.                                            | HAMILTON ST. TO GARFIELD ST. | HAMILTON AT LONG         | 48'            | 18'/12'/18'         | YES W/ PK HR RESTRICT. | Y          | 2W-3L           | 2W-2L                             | RIGHT LANE                            | Y            | 1510 & 1520                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              |                          |                |                     |                        |            |                 |                                   |                                       |              |                            |             |                    |                    |
| STELZER RD.                                         | JOHNSTOWN RD. TO I-670       |                          | 72             | 13'/13'/12'/13'/13' | N                      | Y          | 2W-5L           | 2W-3L                             | RIGHT LANE / LEFT LANE / 2 LEFT LANES | Y            | 1510 & 1530                | N           | 9AM - 3:30 PM      | SEE NOTE           |
|                                                     |                              |                          |                |                     |                        |            |                 |                                   |                                       |              |                            |             |                    |                    |

SEE CITY OF COLUMBUS STANDARD DRAWINGS FOR STANDARD MOT LANE CLOSURE DIAGRAMs.

FLAGGING OPERATIONS ARE NOT PERMITTED DURING NIGHT WORK HOURS.

WEEKEND DAY WORK HOURS  
7:00 AM TO 7:00 PM SAT/SUN

WEEKEND CLOSURE HOURS  
8:00 PM FRI TO 5:00 AM MON

WEEKDAY NIGHT WORK HOURS  
8:00 PM TO 5:00 AM



INNERBELT NOTE

NO WORK SHALL BE PERMITTED BETWEEN THE HOURS OF 5:00 A.M. AND 9:00 P.M., WEEKDAYS\*, ON ANY INNERBELT, FREEWAY OR CONNECTOR ROADWAY WITHIN THE INNERBELT RIGHT-OF-WAY. [THE INNERBELT IS DEFINED BY I-670 ON THE NORTH, I-71 ON THE EAST, I-70 ON THE SOUTH, AND SR-315 ON THE WEST.]

WHEN MORE THAN ONE THROUGH LANE IS CLOSED AND/OR IF THE INTERSTATE IS REDUCED TO ONE LANE BETWEEN 9:00 P.M. AND 5:00 A.M., WEEKDAYS\* OR ON THE WEEKENDS\*\*\* FROM 10:00 P.M. FRIDAY NIGHT UNTIL 5:00 A.M. MONDAY, ALL ENTRANCE RAMPS SHALL BE CLOSED USING THE STANDARDS SET FORTH IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE TYPICAL DETAIL FOR RAMP CLOSURES INCLUDED.

RAMP CLOSURES MAY ALSO BE NECESSARY WHEN ONLY ONE LANE IS CLOSED IN A HIGHLY CONGESTED AREA. AS DIRECTED BY THE ENGINEER.

NO STAGING OF EQUIPMENT OR OCCUPYING SHOULDERS SHALL OCCUR PRIOR TO THE PERMITTED HOURS.

\* WEEKDAYS ARE DEFINED AS MONDAY MORNING 5:00 A.M. UNTIL FRIDAY 10:00 P.M.

\*\* AN ADD/DROP LANE BETWEEN INTERCHANGES IS NOT CONSIDERED A THROUGH DRIVING LANE.

\*\*\*WEEKENDS ARE DEFINED AS FRIDAY NIGHT AT 10:00 P.M. UNTIL MONDAY AT 5:00 A.M.

NOTIFICATION OF TRAFFIC RESTRICTIONS ON FREEWAYS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE ODOT-DISTRICT 6 OFFICE OF COMMUNICATIONS VIA EMAIL (d06.mot@dot.state.oh.us AND d06.pio@dot.state.oh.us) OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES ON THE FREEWAY. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN TIME TO MEET THE REQUIREMENTS SET FORTH IN THE TABLE BELOW AND PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE BUT IS NOT LIMITED TO ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHOULD LIST THE SPECIFIC LOCATIONS, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, DETOUR ROUTES IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE DISTRICT 6 OFFICE OF COMMUNICATIONS.

| NOTIFICATION TIME FRAME TABLE |                          |                                                     |
|-------------------------------|--------------------------|-----------------------------------------------------|
| ITEM                          | DURATION OF CLOSURE      | NOTIFICATION DUE TO DISTRICT 6 COMMUNICATION OFFICE |
| RAMP AND ROAD CLOSURE         | >= 2 WEEKS               | 14 BUSINESS DAYS PRIOR TO CLOSURE                   |
|                               | > 12 HOURS AND < 2 WEEKS | 7 BUSINESS DAYS PRIOR TO CLOSURE                    |
|                               | < 12 HOURS               | 2 BUSINESS DAYS PRIOR TO CLOSURE                    |
| LANE CLOSURES/RESTRICTIONS    | >= 2 WEEKS               | 7 BUSINESS DAYS PRIOR TO CLOSURE                    |
|                               | < 2 WEEKS                | 2 BUSINESS DAYS PRIOR TO CLOSURE                    |

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE DISTRICT 6 OFFICE OF COMMUNICATION USING THE NOTIFICATION TIME FRAME TABLE.

SEND ALL NOTIFICATIONS TO d6.pio@dot.state.oh.us

LANE CLOSURE HOURS FOR WORK ON FREEWAYS (NON INNERBELT)

LANE, RAMP, AND/OR SHOULDER CLOSURE TIMES FOR ALL NON INNERBELT FREEWAYS AND MULTILANE HIGHWAYS ARE SHOWN IN THE FOLLOWING TABLES. ANY CHANGES TO THESE GUIDELINES SHALL RECEIVE PRIOR APPROVAL FROM THE DISTRICT WORK ZONE TRAFFIC MANAGER. ADDITIONAL PERMITTED LANE CLOSURE INFORMATION CAN BE VIEWED FROM THE DESIGN REFERENCE RESOURCE CENTER (DRRC) ON THE ODOT WEBSITE, www.dot.state.oh.us.

| I-270 UNAUTHORIZED LANE USE TABLE                                                   |              |                                        |                                 |                       |                 |                 |                                          |
|-------------------------------------------------------------------------------------|--------------|----------------------------------------|---------------------------------|-----------------------|-----------------|-----------------|------------------------------------------|
| Section (SLM)                                                                       | Sheet Number | Existing Number of Lanes per Direction | Lane Closures are NOT Permitted |                       |                 |                 | Disincentive Amounts per minute per lane |
|                                                                                     |              |                                        | Lane Reduction                  | Mon to Fri            | Sat             | Sun             |                                          |
| FRA-270                                                                             |              |                                        |                                 |                       |                 |                 |                                          |
| Livingston Avenue (42.13) to Noe Bixby Road (43.65) Collector Distributor           | NA           | 2                                      | 2 to 1                          | 5AM - 11 PM           | 6AM - 10PM      | 6AM - 10PM      | \$200                                    |
| Noe Bixby Road (43.65) to north of Winchester Pike (45.49)                          | 593-595      | 3                                      | 3 to 2                          | 3PM - 6PM             | No Restrictions | No Restrictions | \$100                                    |
|                                                                                     |              |                                        | 3 to 1                          | 5AM - 8PM             | 6AM - 7PM       | 6AM - 7PM       | \$100                                    |
| North of Winchester Pike (45.49) to Williams Road (47.42) Southbound                | 590-593      | 3                                      | 3 to 2                          | 3PM - 6PM             | No Restrictions | No Restrictions | \$100                                    |
|                                                                                     |              |                                        | 3 to 1                          | 5AM - 8PM             | 6AM - 7PM       | 6AM - 7PM       | \$100                                    |
| North of Winchester Pike (45.49) to Williams Road (47.42) Northbound                | 590-593      | 2                                      | 2 to 1                          | 5AM - 8PM             | 6AM - 7PM       | 6AM - 7PM       | \$75                                     |
| Williams Road (47.42) to US 23 (52.72)                                              | 578-590      | 3                                      | 3 to 2                          | 5AM - 9AM & 3PM - 7PM | No Restrictions | No Restrictions | \$75                                     |
|                                                                                     |              |                                        | 3 to 1                          | 5AM - 8PM             | 6AM - 7PM       | 6AM - 7PM       | \$75                                     |
| US 23 (52.72) to I-71 Southbound (0.00)                                             | 572-578      | 2                                      | 2 to 1                          | 5AM - 9PM             | 6AM - 7PM       | 6AM - 7PM       | \$100                                    |
| Short term shoulder closures are NOT permitted 5AM -9AM and 3PM-7PM Monday - Friday |              |                                        |                                 |                       |                 |                 |                                          |

| I-270 RAMP CLOSURE RESTRICTION TABLE                          |                      |              |                       |                 |                                                                                             |                                                                                           |                                                                |                                 |              |                     |                |                                                                                                      |                                                                 |
|---------------------------------------------------------------|----------------------|--------------|-----------------------|-----------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------|--------------|---------------------|----------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| Secondary Route: US Route 40 SLM along 270: 41.32 (East Side) |                      |              |                       |                 |                                                                                             |                                                                                           | Secondary Route: US Route 23 SLM along 270: 52.64 (South Side) |                                 |              |                     |                |                                                                                                      |                                                                 |
| Ramp                                                          | Movement             | Sheet Number | No Closures Allowed   |                 | Detour Routes                                                                               |                                                                                           | Ramp                                                           | Movement                        | Sheet Number | No Closures Allowed |                | Detour Routes                                                                                        |                                                                 |
|                                                               |                      |              | Mon to Fri            | Sat to Sun      | Primary Route                                                                               | Secondary Route                                                                           |                                                                |                                 |              | Mon to Fri          | Sat to Sun     | Primary Route                                                                                        | Secondary Route                                                 |
| J                                                             | US-40 WB to I-270 SB |              | 5AM - 8PM             | 8AM - 7PM       | US-40 West to Hamilton Road South to I-70 West                                              | None                                                                                      | L                                                              | US-23 NB to I-270 WB            |              | 5AM - 10PM          | 8AM - 8PM      | US-23 North to I-270 East (Ramp R) to Alum Creek Drive North to I-270 West                           | US-23 North to U-Turn to US-23 South to I-270 West(Ramp M)      |
| K                                                             | I-270 SB to US-40 WB |              | 5AM - 8PM             | 8AM - 7PM       | I-270 South to US-40 East (Ramp O) to I-270 North (Ramp N) to US-40 West (Ramp L)           | I-270 South to I-70 East to Brice Road to I-70 West to I-270 North to US-40 West (Ramp L) | M                                                              | US-23 SB to I-270 WB            |              | 5AM - 7PM           | No Restriction | US-23 South to I-270 East (Ramp O) to Alum Creek Drive North to I-270 West                           | None                                                            |
| L                                                             | I-270 NB to US-40 WB |              | 5AM - 9AM & 3PM - 7PM | No Restriction  | I-270 N to OH-317 to I-270 South to US-40 West (Ramp K)                                     | I-270 North to OH-16 West to OH-317 to US-40                                              | N                                                              | I-270WB to US-23 SB             |              | 6AM - 7PM           | No Restriction | I-270 West to I-71 South to Stringtown Road East I-71 North to I-270 East to US-23 South (Ramp P)    | I-270 West to US-62 South to I-270 East to US-23 South (Ramp P) |
| M                                                             | US-40 WB to I-270 NB |              | 5AM - 8PM             | 8AM - 7PM       | US-40 West to I-270 South (Ramp J) to US-40 East (Ramp O) to I-270 North (Ramp N)           | US-40 West to OH-317 to OH-16 East to I-270 North                                         | O                                                              | US-23 SB to I-270 EB            |              | 3PM - 6PM           | No Restriction | US-23 South to I-270 West (Ramp M) to I-71 South to Stringtown Road East to I-71 North to I-270 East | I-270 West to US-62 South to I-270 East                         |
| N                                                             | US-40 EB to I-270 NB |              | 5AM - 8PM             | 8AM - 7PM       | US-40 East to I-270 South (Ramp R) to I-70 West to SR-317 South to I-70 East to I-270 North | None                                                                                      | P                                                              | I-270 EB to US-23 SB            |              | 5AM - 10PM          | 8AM - 8PM      | I-270 East to Alum Creek Drive East to I-270 West to US-23 South (Ramp N)                            | None                                                            |
| O                                                             | I-270 SB to US-40 EB |              | 5AM - 9PM             | 8AM - 7PM       | I-270 South to I-70 West to OH-317 North to US-40 East                                      | I-270 South to I-70 East to Brice Road to I-70 West to I-270 North to US-40 East (Ramp P) | Q                                                              | I-270 EB to US-23 NB            |              | 6AM - 7PM           | No Restriction | I-270 East to Alum Creek Drive East to I-270 West to US-23 North (Ramp S)                            | None                                                            |
| P                                                             | I-270 NB to US-40 EB |              | 5AM - 9PM             | 8AM - 7PM       | I-270 North to US-40 West (Ramp L) to I-270 South (Ramp J) to US-40 East (Ramp O)           | I-270 North to OH-317 to I-270 South to US-40 East (Ramp O)                               | R                                                              | US-23 NB to I-270 EB            |              | 6AM - 6PM           | No Restriction | US-23 North to I-270 West (Ramp L) to US-62 South to I-270 East                                      | US-23 North to U-Turn to US-23 South to I-270 East (Ramp O)     |
| R                                                             | US-40 EB to I-270 SB |              | 5AM - 9AM & 3PM - 7PM | No Restriction  | US-40 East to I-270 North (Ramp N) to US-40 West (Ramp L) to I-270 South (Ramp J)           | US-40 East to OH-265 to I-70 West to I-270 South                                          | S                                                              | I-270WB to US-23 NB             |              | 6AM - 7PM           | No Restriction | I-270 West to US-23 South (Ramp N)to I-270 East (Ramp O) to US-23 North (Ramp Q)                     | I-270 West to US-62 South to I-270 East to US-23 North (Ramp Q) |
| Secondary Route: US Route 33 SLM along 270: 46.13 (East Side) |                      |              |                       |                 |                                                                                             |                                                                                           | Secondary Route: Alum Creek Drive SLM along 270: (South Side)  |                                 |              |                     |                |                                                                                                      |                                                                 |
| Ramp                                                          | Movement             | Sheet Number | No Closures Allowed   |                 | Detour Routes                                                                               |                                                                                           | Ramp                                                           | Movement                        | Sheet Number | No Closures Allowed |                | Detour Routes                                                                                        |                                                                 |
|                                                               |                      |              | Mon to Fri            | Sat to Sun      | Primary Route                                                                               | Secondary Route                                                                           |                                                                |                                 |              | Mon to Fri          | Sat to Sun     | Primary Route                                                                                        | Secondary Route                                                 |
| A                                                             | I-270 NB to US-33 EB |              | 5AM - 9PM             | 8AM - 8PM       | I-270 North to US-33 West (Ramp G) to I-270 South (Ramp H) to US-33 East (Ramp E)           | I-270 North to I-70 West to I-270 South to US-33 East (Ramp E)                            | T                                                              | Alum Creek Drive SB to I-270 WB |              | 5AM - 8PM           | 8AM - 7PM      | Alum Creek Drive to I-270 North (Ramp V) to US-33 West to I-270 South                                | None                                                            |
| B                                                             | US33- WB to I-270 NB |              | 5AM - 9PM             | 8AM - 8PM       | US-33 West to I-270 South (Ramp H) to US-33 East (Ramp E) to I-270 North (Ramp F)           | US-33 to OH-104 to US-33 East to I-270 North (Ramp F)                                     | V                                                              | Alum Creek Drive to I-270 EB    |              | 5AM - 8PM           | 8AM - 7PM      | Alum Creek Drive to I-270 West to US-23 tol-270 East                                                 | None                                                            |
| C                                                             | I-270 SB to US-33 WB |              | 5AM - 9AM & 3PM - 7PM | No Restrictions | I-270 South to US-33 East (Ramp E) to I-270 North (Ramp F) to I-270 South (Ramp G)          | I-270 South to Alum Creek Dr. to I-270 North to US-33 West (Ramp G)                       | W                                                              | I-270 EB to Alum Creek Drive    |              | 5AM - 8PM           | 8AM - 7PM      | I-270 East/North to US-33 West to I-270 South to Alum Creek Drive (Ramp X)                           | None                                                            |
| D                                                             | US-33 EB to I-270 SB |              | 5AM - 9AM & 3PM - 7PM | No Restrictions | US-33 East to I-270 North (Ramp F) to US-33 West (Ramp G) to I-270 South (Ramp H)           | US-33 East to OH-317 to US-33 West to I-270 South (Ramp H)                                | X                                                              | I-270 WB to Alum Creek Drive    |              | 5AM - 7PM           | 8AM - 7PM      | I-270 West to US-23 to I-270 East to Alum Creek Drive (Ramp W)                                       | None                                                            |
| E                                                             | I-270 SB to US-33 EB |              | 5AM - 10PM            | 8AM - 8PM       | I-270 South to Alum Creek Drive to I-270 North to US-33 East (Ramp A)                       | I-270 South to US-33 West (Ramp C) to OH-104 to US-33 East                                | Y                                                              | Alum Creek Drive NB to I-270 WB |              | 5AM - 8PM           | 8AM - 7PM      | Alum Creek Drive to I-270 North (Ramp V) to US-33 West to I-270 South                                | None                                                            |
| F                                                             | US-33 EB to I-270 NB |              | 5AM - 9AM & 3PM - 7PM | No Restrictions | US-33 East to OH-317 to US-33 West to I-270 North (Ramp B)                                  | US-33 East to I-270 South (Ramp D) to Alum Creek Drive to I-270 North                     |                                                                |                                 |              |                     |                |                                                                                                      |                                                                 |
| G                                                             | I-270 NB to US-33 WB |              | 5AM - 9AM & 3PM - 7PM | No Restrictions | I-270 North to I-70 West to I-270 South to US-33 West (Ramp C)                              | I-270 North to US-33 East (Ramp A) to OH-317 to US-33 West                                |                                                                |                                 |              |                     |                |                                                                                                      |                                                                 |
| H                                                             | US-33WB to I-270 SB  |              | 5AM - 7PM             | 8AM - 7PM       | US-33 West to OH-104 to US-33 East to I-270 South (Ramp D)                                  | US-33 West to I-270 North (Ramp B) to I-70 West to I-270 South                            |                                                                |                                 |              |                     |                |                                                                                                      |                                                                 |



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_GEN\_SUM.dwg -- VOLUME 1 -- SHEET 1 OF 2 layout ~ last saved by: gburch 11/08/2018 01:23pm ~ printed 03/18/2020 03:58pm

| SUB SUMMARY |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     | GENERAL NOTES |     |     |    |    |         |       |    | PARTICIPATION |         | ITEM    | QUANTITY | UNIT                                                                | DESCRIPTION | REFERENCE                                                        |                    |  |
|-------------|-------|----|----|----|--------|----|----|----|----|--------|-----|-----|-----|-----|---------|-----|---------------|-----|-----|----|----|---------|-------|----|---------------|---------|---------|----------|---------------------------------------------------------------------|-------------|------------------------------------------------------------------|--------------------|--|
| 31          | 32    | 33 | 34 | 35 | 36     | 37 | 38 | 39 | 40 | 358    | 359 | 360 | 361 | 362 | 363     | 364 | 365           | 366 | 367 | 18 | 19 | 20      | 21    | 22 | 24            | CMAQ    |         |          |                                                                     |             |                                                                  | LOCAL              |  |
| ROADWAY     |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     | 1  |    |         |       |    |               | 1       |         | 201      | 1                                                                   | LS          | CLEARING AND GRUBBING                                            | CMSC               |  |
|             |       |    |    |    |        |    |    |    |    | 810    |     |     |     |     |         |     |               |     |     |    |    |         | 100   |    |               | 100     |         | 202      | 100                                                                 | FT          | CURB REMOVED                                                     | CMSC               |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 400   |    |               | 1,210   |         | 202      | 1,210                                                               | SF          | WALK REMOVED                                                     | CMSC               |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 100   |    |               | 100     |         | 202      | 100                                                                 | FT          | CURB AND GUTTER REMOVED                                          | CMSC               |  |
| 32,042      |       |    |    |    | 9,631  |    |    |    |    | 19,357 |     |     |     |     | 1,014   |     |               |     |     |    |    |         | 2,500 |    |               | 64,544  |         | 202      | 64,544                                                              | FT          | EXISTING CONDUIT CLEANED, AS PER PLAN                            | SP-103             |  |
| 1           |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 5     |    |               | 6       |         | 202      | 6                                                                   | EACH        | REMOVAL, MISC.: REMOVE EXISTING WOOD POLE                        | SHEET 20, SP-103   |  |
|             | 2,260 |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 1,000 |    |               | 3,260   |         | 202      | 3,260                                                               | FT          | CONDUIT, MISC.: CONDUIT RESTORATION                              | SP-103             |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 1     |    |               | 1       |         | 207      | 1                                                                   | LS          | ESC/SWP3, AS PER PLAN                                            | CMSC               |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 1,536 |    |               | 1,536   |         | 254      | 1,536                                                               | SY          | PAVEMENT PLANING, 1-1/2" DEEP                                    | CMSC               |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 118   |    |               | 118     |         | 407      | 118                                                                 | GAL         | TACK COAT                                                        | CMSC               |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 153   |    |               | 153     |         | 448      | 153                                                                 | CY          | 1-1/2" ASPHALT CONCRETE SURFACE COURSE, MEDIUM TRAFFIC, PG70-22M | CMSC               |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 8     |    |               | 8       |         | 608      | 8                                                                   | EACH        | DETECTABLE WARNING, TYPE E                                       | SHEET 18, SCD 2319 |  |
|             |       |    |    |    |        |    |    |    |    | 800    |     |     |     |     |         |     |               |     |     |    |    |         | 200   |    |               | 200     |         | 608      | 200                                                                 | SF          | 4" CONCRETE WALK                                                 | SHEET 18, SCD 2300 |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 200   |    |               | 1,000   |         | 608      | 1,000                                                               | SF          | 8" CONCRETE WALK                                                 | SHEET 18, SCD 2301 |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 4     |    |               | 4       |         | 608      | 4                                                                   | EACH        | CURB RAMP                                                        | CMSC, SCD 2319     |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 50    |    |               | 50      |         | 609      | 50                                                                  | FT          | COMBINATION CURB AND GUTTER, TYPE STANDARD                       | SCD 2010           |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 50    |    |               | 50      |         | 609      | 50                                                                  | FT          | COMBINATION CURB AND GUTTER, TYPE SPECIAL 8"                     | SCD 2020           |  |
| 1           |       |    |    |    |        |    |    |    |    | 10     |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               | 1       |         | 609      | 1                                                                   | CY          | CONCRETE MEDIAN, AS PER PLAN                                     | CMSC               |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 50    |    |               | 60      |         | 609      | 60                                                                  | FT          | CURB, STRAIGHT 18"                                               | SCD 2000           |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 100   |    | 200           | 300     |         | 614      | 300                                                                 | HR          | LAW ENFORCEMENT OFFICER WITH PATROL CAR                          | SHEET 24           |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 40    |    | 200           | 240     |         | 614      | 240                                                                 | HR          | LAW ENFORCEMENT OFFICER WITHOUT PATROL CAR                       | SHEET 24           |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               | 1       |         | 614      | 1                                                                   | LS          | MAINTAINING TRAFFIC, AS PER PLAN                                 | SHEETS 22 - 28     |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     | 24 |    |         |       |    |               | 24      |         | 616      | 24                                                                  | TON         | CALCIUM CHLORIDE                                                 | SHEET 18           |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     | 10 |    |         |       |    |               | 10      |         | 616      | 10                                                                  | M GAL       | WATER                                                            | SHEET 18           |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     | 1  |    |         |       |    |               | 1       |         | 624      | 1                                                                   | LS          | MOBILIZATION                                                     | CMSC               |  |
|             |       |    |    |    | 7,186  |    |    |    |    | 975    |     |     |     |     | 4,736   |     |               |     |     |    |    |         | 750   |    |               | 13,647  |         | 632      | 13,647                                                              | FT          | INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT     | SP-103             |  |
|             |       |    |    |    | 53,720 |    |    |    |    | 27,467 |     |     |     |     | 100,779 |     |               |     |     |    |    |         | 2,500 |    |               | 632     | 184,466 | FT       | INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT    | SP-103      |                                                                  |                    |  |
|             |       |    |    |    | 9,970  |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 1,000 |    |               | 632     | 10,970  | FT       | INTERCONNECT CABLE, MISC.: REMOVE EXISTING UNDERGROUND INTERCONNECT | SP-103      |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    | 182,876 | 500   |    |               | 183,376 |         | 632      | 183,376                                                             | FT          | INTERCONNECT, MISC.: UNDERGROUND FIBER OPTIC INSTALLATION        | SP-103             |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 50    |    |               | 50      |         | 632      | 50                                                                  | FT          | CONCRETE WALK REMOVED, AS PER PLAN                               | CMSC               |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 1     |    |               | 50      |         | 659      | 50                                                                  | M GAL       | WATER                                                            | SHEET 18           |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         | 5     |    |               | 807     |         | 607      | 807                                                                 | EACH        | VALVE BOX ADJUSTED TO GRADE USING RIVER                          | CMSC               |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    |    |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |
|             |       |    |    | </ |        |    |    |    |    |        |     |     |     |     |         |     |               |     |     |    |    |         |       |    |               |         |         |          |                                                                     |             |                                                                  |                    |  |



CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D – CONSTRUCTION AS-BUILT



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| LOCATION            | SHEET NO. | 202                                   | 202                                                           | 202                                       | 202                                        | 202          | 608              | 609                          | 609                | 622                                 | 625                     | 625                           | 625                      | 625                      | 625                      | 625                                                  | 625                                                  | 625                                         | 625                                         | 625                                                                       |
|---------------------|-----------|---------------------------------------|---------------------------------------------------------------|-------------------------------------------|--------------------------------------------|--------------|------------------|------------------------------|--------------------|-------------------------------------|-------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|------------------------------------------------------|------------------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------|
|                     |           | EXISTING CONDUIT CLEANED, AS PER PLAN | REMOVAL, MISC.: REMOVE EXISTING AERIAL STANDOFF, POLE MOUNTED | REMOVAL, MISC.: REMOVE EXISTING WOOD POLE | REMOVAL, MISC.: REMOVE MEDIAN BARRIER WALL | WALK REMOVED | 8" CONCRETE WALK | CONCRETE MEDIAN, AS PER PLAN | CURB, STRAIGHT 18" | BARRIER, MISC.: MEDIAN BARRIER WALL | 36" MEDIAN JUNCTION BOX | BRACKET ARM, 30', AS PER PLAN | CONDUIT, 2", AS PER PLAN | CONDUIT, 3", AS PER PLAN | CONDUIT, 4", AS PER PLAN | CONDUIT, CONCRETE ENCASED, 2-3", 725.05, AS PER PLAN | CONDUIT, CONCRETE ENCASED, 4-3", 725.05, AS PER PLAN | CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN | CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN | CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE |
|                     |           | FT                                    | EACH                                                          | EACH                                      | FT                                         | SF           | SF               | CY                           | FT                 | FT                                  | EACH                    | EACH                          | FT                       | FT                       | FT                       | FT                                                   | FT                                                   | FT                                          | FT                                          | FT                                                                        |
| MAIN ST.            | 84        | 2,759                                 |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| THIRD ST.           | 90        | 2,648                                 |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| GRANT AVE.          | 96        | 2,330                                 |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| GALLOWAY RD.        | 100       | 3                                     |                                                               |                                           |                                            |              |                  |                              |                    |                                     | 1                       |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| HALL RD.            | 103       |                                       |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| NORTON RD.          | 110       | 38                                    |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| NORTON RD.          | 113       | 41                                    |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| GEORGESVILLE RD.    | 119       | 17                                    |                                                               |                                           |                                            |              |                  |                              |                    |                                     | 1                       |                               | 3                        | 6                        |                          |                                                      | 190                                                  |                                             |                                             |                                                                           |
| SULLIVANT AVE.      | 125       | 1                                     |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          | 32                       |                          |                                                      |                                                      |                                             |                                             | 327                                                                       |
| PHILLIPI RD.        | 131       | 488                                   |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          | 6                        |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| FISHER RD.          | 136       | 194                                   |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          | 280                      |                          |                                                      |                                                      |                                             |                                             | 353                                                                       |
| HOLT RD.            | 143       | 233                                   |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          | 54                       |                          | 1,922                                                |                                                      | 14                                          |                                             |                                                                           |
| MAIN ST.            | 151       |                                       |                                                               |                                           |                                            |              |                  |                              |                    |                                     | 1                       |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| MAIN ST.            | 157       | 19                                    |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| MILLER AVE.         | 162       | 923                                   |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         | 1                             |                          |                          |                          |                                                      | 24                                                   |                                             |                                             |                                                                           |
| BROAD ST.           | 171       | 28                                    |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| BROAD ST.           | 173       | 56                                    |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| LONG ST.            | 179       | 35                                    |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| LONG ST.            | 183       |                                       |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| NELSON RD.          | 186       | 22                                    |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| MT VERNON AVE.      | 190       | 1,526                                 |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          | 8                                                    |                                                      |                                             |                                             |                                                                           |
| MAIN ST.            | 196       | 153                                   |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| BROAD ST.           | 202       | 1,050                                 |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         | 2                             |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| BROAD ST.           | 204       | 13                                    |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| JAMES RD.           | 210       | 9                                     |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| JAMES RD.           | 213       | 19                                    |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| STELZER RD.         | 221       | 3,448                                 |                                                               | 1                                         |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          | 155                                                  |                                                      |                                             |                                             |                                                                           |
| STELZER RD.         | 226       | 373                                   |                                                               |                                           |                                            |              |                  | 1                            |                    |                                     |                         |                               | 80                       |                          |                          |                                                      | 2,764                                                | 1,872                                       | 220                                         |                                                                           |
| STELZER RD.         | 227       |                                       |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| JOHNSTOWN RD.       | 229       | 10                                    |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| MAIN ST.            | 232       | 2,019                                 |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         | 1                             | 32                       | 1,149                    |                          |                                                      |                                                      | 165                                         |                                             |                                                                           |
| MAIN ST.            | 233       |                                       |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| MAIN ST.            | 237       | 1,609                                 |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| BROAD ST.           | 241       | 6                                     |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          | 1,922                    |                                                      |                                                      | 536                                         |                                             |                                                                           |
| HAMILTON RD.        | 247       | 5,631                                 |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         | 1                             |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| OLENTANGY RIVER RD. | 253       | 2,133                                 |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         | 1                             |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| OLENTANGY RIVER RD. | 259       | 2,534                                 |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         | 1                             |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
|                     |           |                                       |                                                               |                                           |                                            |              |                  |                              |                    |                                     |                         |                               |                          |                          |                          |                                                      |                                                      |                                             |                                             |                                                                           |
| SUB TOTAL           |           | 32,042                                |                                                               | 1                                         |                                            |              |                  | 1                            |                    |                                     |                         | 11                            | 112                      | 3,017                    | 1,922                    | 2,091                                                | 2,788                                                | 3,497                                       | 220                                         | 680                                                                       |

QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.



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| LOCATION            | SHEET NO. | 625                                 | 625                       | 625                       | 625                         | 625                         | 625                       | 625                       | 625        | 625                                | 625                                | 625                                | 625                                | 625                                | 625                                | 625                                | 625                                | 625                                | 625                                | 625                                |
|---------------------|-----------|-------------------------------------|---------------------------|---------------------------|-----------------------------|-----------------------------|---------------------------|---------------------------|------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                     |           | CONDUIT, MISC.: CONDUIT RESTORATION | DISTRIBUTION CABLE, NO. 1 | DISTRIBUTION CABLE, NO. 2 | DISTRIBUTION CABLE, NO. 2/0 | DISTRIBUTION CABLE, NO. 3/0 | DISTRIBUTION CABLE, NO. 4 | DISTRIBUTION CABLE, NO. 6 | GROUND ROD | POWER SERVICE, TYPE A, AS PER PLAN | POWER SERVICE, TYPE B, AS PER PLAN | POWER SERVICE, TYPE C, AS PER PLAN | POWER SERVICE, TYPE D, AS PER PLAN | POWER SERVICE, TYPE E, AS PER PLAN | POWER SERVICE, TYPE F, AS PER PLAN | POWER SERVICE, TYPE G, AS PER PLAN | POWER SERVICE, TYPE H, AS PER PLAN | POWER SERVICE, TYPE I, AS PER PLAN | POWER SERVICE, TYPE J, AS PER PLAN | POWER SERVICE, TYPE K, AS PER PLAN |
|                     |           | FT                                  | FT                        | FT                        | FT                          | FT                          | FT                        | FT                        | EACH       | EACH                               | EACH                               | EACH                               | EACH                               | EACH                               | EACH                               | EACH                               | EACH                               | EACH                               | EACH                               | EACH                               |
| MAIN ST.            | 84        | 10                                  |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| THIRD ST.           | 90        | 1,426                               |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| GRANT AVE.          | 96        | 824                                 |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| GALLOWAY RD.        | 100       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| HALL RD.            | 103       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| NORTON RD.          | 110       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| NORTON RD.          | 113       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| GEORGESVILLE RD.    | 119       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| SULLIVANT AVE.      | 125       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| PHILLIPI RD.        | 131       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| FISHER RD.          | 136       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| HOLT RD.            | 143       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| MAIN ST.            | 151       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| MAIN ST.            | 157       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| MILLER AVE.         | 162       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| BROAD ST.           | 171       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| BROAD ST.           | 177       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| LONG ST.            | 177       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| LONG ST.            | 185       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| NELSON RD.          | 186       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| MT VERNON AVE.      | 190       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| MAIN ST.            | 196       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| BROAD ST.           | 202       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| BROAD ST.           | 204       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| JAMES RD.           | 210       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| JAMES RD.           | 213       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| STELZER RD.         | 221       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| STELZER RD.         | 226       |                                     |                           |                           |                             |                             |                           | 780                       | 1          | 1                                  |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| STELZER RD.         | 227       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| JOHNSTOWN RD.       | 229       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| MAIN ST.            | 232       |                                     |                           |                           | 4,044                       |                             |                           | 129                       | 1          |                                    |                                    |                                    |                                    |                                    | 1                                  |                                    |                                    |                                    |                                    |                                    |
| MAIN ST.            | 233       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| MAIN ST.            | 237       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| BROAD ST.           | 241       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| HAMILTON RD.        | 247       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| OLENTANGY RIVER RD. | 253       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| OLENTANGY RIVER RD. | 259       |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
|                     |           |                                     |                           |                           |                             |                             |                           |                           |            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| SUB TOTAL           |           | 2,260                               |                           |                           | 4,044                       |                             |                           | 909                       | 2          | 1                                  |                                    |                                    |                                    |                                    | 1                                  |                                    |                                    |                                    |                                    |                                    |

QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.



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| LOCATION            | SHEET NO. | 625                                | 625                                | 625                   | 625                                 | 625                                 | 625                            | 625                           | 625                               | 632                                    | 632                                     | 632      | 632                                                      | 632                                                     | 632                                                      | 632                                                  | 632                                                          | 632                                                              | 632                                                                 | 632                                                                      |
|---------------------|-----------|------------------------------------|------------------------------------|-----------------------|-------------------------------------|-------------------------------------|--------------------------------|-------------------------------|-----------------------------------|----------------------------------------|-----------------------------------------|----------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------|
|                     |           | PULL BOX, 18", 725.06, AS PER PLAN | PULL BOX, 18", 725.08, AS PER PLAN | PULL BOX, 24", 725.08 | PULL BOX, CONCRETE 32", AS PER PLAN | PULL BOX, CONCRETE 48", AS PER PLAN | PULL BOX, REMOVED, AS PER PLAN | TRENCH, 36" DEEP, AS PER PLAN | TRENCH IN PAVED AREA, AS PER PLAN | CONDUIT RISER, 2", 725.04, AS PER PLAN | CONDUIT RISER, 2", 725.051, AS PER PLAN | DOWN GUY | INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND | INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND | INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND | INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE | INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT | INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT | INTERCONNECT CABLE, MISC.: REMOVE EXISTING UNDERGROUND INTERCONNECT | INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED |
|                     |           | EACH                               | EACH                               | EACH                  | EACH                                | EACH                                | EACH                           | FT                            | FT                                | EACH                                   | EACH                                    | EACH     | FT                                                       | FT                                                      | FT                                                       | EACH                                                 | FT                                                           | FT                                                               | FT                                                                  | EACH                                                                     |
| MAIN ST.            | 84        |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 3,259                                                    |                                                         |                                                          |                                                      |                                                              |                                                                  | 2,759                                                               |                                                                          |
| THIRD ST.           | 90        |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 4,944                                                    |                                                         |                                                          |                                                      |                                                              |                                                                  | 4,044                                                               |                                                                          |
| GRANT AVE.          | 96        |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 3,061                                                    |                                                         |                                                          |                                                      |                                                              |                                                                  | 3,167                                                               |                                                                          |
| GALLOWAY RD.        | 100       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 166                                                      |                                                         | 12                                                       |                                                      |                                                              |                                                                  |                                                                     |                                                                          |
| HALL RD.            | 103       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 1,111                                                    |                                                         |                                                          |                                                      |                                                              |                                                                  |                                                                     |                                                                          |
| NORTON RD.          | 110       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 7,318                                                    |                                                         |                                                          | 348                                                  | 4,534                                                        |                                                                  |                                                                     |                                                                          |
| NORTON RD.          | 113       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 2,934                                                    |                                                         |                                                          | 216                                                  | 2,420                                                        |                                                                  |                                                                     |                                                                          |
| GEORGESVILLE RD.    | 119       |                                    |                                    |                       |                                     |                                     | 1                              | 98                            |                                   | 1                                      |                                         |          | 7,494                                                    |                                                         |                                                          | 48                                                   |                                                              |                                                                  |                                                                     |                                                                          |
| SULLIVANT AVE.      | 125       |                                    |                                    |                       |                                     |                                     |                                | 6                             |                                   | 2                                      |                                         |          | 10,141                                                   |                                                         |                                                          | 22                                                   |                                                              | 18                                                               |                                                                     |                                                                          |
| PHILLIPI RD.        | 131       |                                    |                                    |                       | 3                                   |                                     | 3                              | 6                             |                                   | 1                                      |                                         |          | 7,075                                                    |                                                         |                                                          | 192                                                  |                                                              |                                                                  |                                                                     |                                                                          |
| FISHER RD.          | 136       |                                    |                                    |                       | 2                                   | 2                                   |                                | 140                           |                                   | 2                                      |                                         |          | 4,291                                                    |                                                         |                                                          | 168                                                  |                                                              |                                                                  |                                                                     |                                                                          |
| HOLT RD.            | 143       |                                    |                                    |                       | 1                                   |                                     |                                | 1,919                         |                                   | 2                                      |                                         |          | 9,521                                                    |                                                         |                                                          | 36                                                   |                                                              |                                                                  |                                                                     |                                                                          |
| MAIN ST.            | 151       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 7,714                                                    |                                                         |                                                          | 49                                                   |                                                              | 6,302                                                            |                                                                     |                                                                          |
| MAIN ST.            | 157       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 3,860                                                    |                                                         |                                                          | 270                                                  |                                                              | 4,739                                                            |                                                                     |                                                                          |
| MILLER AVE.         | 162       |                                    |                                    |                       |                                     |                                     |                                | 24                            |                                   | 1                                      |                                         |          | 3,257                                                    |                                                         |                                                          | 12                                                   |                                                              | 2,244                                                            |                                                                     |                                                                          |
| BROAD ST.           | 171       |                                    |                                    |                       |                                     |                                     |                                | 6                             |                                   | 1                                      |                                         |          | 298                                                      | 1,600                                                   |                                                          | 144                                                  |                                                              | 44                                                               |                                                                     |                                                                          |
| BROAD ST.           | 171       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 11                                                       |                                                         |                                                          | 12                                                   |                                                              |                                                                  |                                                                     |                                                                          |
| LONG ST.            | 171       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   | 1                                      |                                         |          | 7,170                                                    | 360                                                     |                                                          | 58                                                   |                                                              | 5,111                                                            |                                                                     |                                                                          |
| LONG ST.            | 183       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 4,221                                                    | 354                                                     |                                                          | 276                                                  |                                                              | 3,705                                                            |                                                                     |                                                                          |
| NELSON RD.          | 186       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 1,659                                                    |                                                         |                                                          | 240                                                  |                                                              | 1,302                                                            |                                                                     |                                                                          |
| MT VERNON AVE.      | 190       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   | 2                                      |                                         |          | 3,747                                                    |                                                         |                                                          | 12                                                   |                                                              |                                                                  |                                                                     |                                                                          |
| MAIN ST.            | 196       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 6,672                                                    |                                                         |                                                          | 384                                                  |                                                              | 5,279                                                            |                                                                     |                                                                          |
| BROAD ST.           | 202       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 3,223                                                    |                                                         |                                                          | 276                                                  |                                                              | 1,764                                                            |                                                                     |                                                                          |
| BROAD ST.           | 204       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 1,112                                                    |                                                         |                                                          | 36                                                   |                                                              | 885                                                              |                                                                     |                                                                          |
| JAMES RD.           | 210       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 7,121                                                    |                                                         |                                                          | 24                                                   |                                                              | 6,277                                                            |                                                                     |                                                                          |
| JAMES RD.           | 213       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 2,748                                                    |                                                         |                                                          | 72                                                   |                                                              | 2,421                                                            |                                                                     |                                                                          |
| STELZER RD.         | 221       |                                    |                                    |                       | 1                                   |                                     |                                | 155                           |                                   |                                        |                                         |          | 8,541                                                    |                                                         |                                                          | 96                                                   |                                                              | 3,723                                                            |                                                                     |                                                                          |
| STELZER RD.         | 226       |                                    | 1                                  |                       | 18                                  | 1                                   | 1                              | 1,721                         | 1,083                             | 1                                      | 1                                       |          | 4,427                                                    |                                                         |                                                          | 48                                                   |                                                              |                                                                  |                                                                     |                                                                          |
| STELZER RD.         | 227       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          |                                                          |                                                         |                                                          |                                                      |                                                              |                                                                  |                                                                     |                                                                          |
| JOHNSTOWN RD.       | 229       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          |                                                          |                                                         |                                                          |                                                      |                                                              |                                                                  |                                                                     |                                                                          |
| MAIN ST.            | 232       |                                    | 6                                  | 1                     | 1                                   |                                     |                                | 1,181                         |                                   |                                        | 1                                       |          | 2,168                                                    |                                                         |                                                          | 12                                                   |                                                              |                                                                  |                                                                     |                                                                          |
| MAIN ST.            | 233       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          |                                                          |                                                         |                                                          |                                                      |                                                              |                                                                  |                                                                     |                                                                          |
| MAIN ST.            | 237       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 3,174                                                    | 597                                                     |                                                          | 84                                                   |                                                              | 840                                                              |                                                                     |                                                                          |
| BROAD ST.           | 241       |                                    |                                    |                       | 7                                   |                                     |                                | 961                           |                                   | 2                                      |                                         |          | 2,531                                                    |                                                         |                                                          | 180                                                  |                                                              | 689                                                              |                                                                     |                                                                          |
| HAMILTON RD.        | 247       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          | 6,465                                                    | 150                                                     |                                                          | 180                                                  |                                                              | 169                                                              |                                                                     |                                                                          |
| OLENTANGY RIVER RD. | 253       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   | 3                                      |                                         |          | 5,636                                                    |                                                         |                                                          | 408                                                  | 232                                                          | 2,315                                                            |                                                                     |                                                                          |
| OLENTANGY RIVER RD. | 259       |                                    |                                    |                       |                                     |                                     |                                |                               |                                   | 2                                      |                                         |          | 5,570                                                    |                                                         |                                                          | 492                                                  |                                                              | 1,247                                                            |                                                                     |                                                                          |
|                     |           |                                    |                                    |                       |                                     |                                     |                                |                               |                                   |                                        |                                         |          |                                                          |                                                         |                                                          |                                                      |                                                              |                                                                  |                                                                     |                                                                          |
| SUB TOTAL           |           |                                    | 7                                  | 1                     | 51                                  | 5                                   | 5                              | 6,915                         | 1,083                             | 21                                     | 2                                       |          | 160,655                                                  | 5,072                                                   |                                                          | 5,916                                                | 7,186                                                        | 53,720                                                           | 9,970                                                               |                                                                          |

QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.



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| LOCATION            | SHEET NO. | 632                                                                           | 632                                                                           | 632                                                                          | 632                                                                          | 632                                                          | 632                                                          | 632                                                     | 632                                                     | 632                                                     | 632                                                    | 632                                                                   | 632                                                                   | 632                                                                   | 632                                                     | 632                                                                   | 632                                                    | 632                                                       | 632                                               | 632                                        |
|---------------------|-----------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------|--------------------------------------------|
|                     |           | INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT | INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 475FT | INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT | INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 475FT | INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 144 SPLICE | INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 144 SPLICE | INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE | INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 450FT DROP CABLE | INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU | MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN | SIGNALIZATION, MISC.: AERIAL CLAMP, ATTACHED TO BRIDGE | SIGNALIZATION, MISC.: AERIAL STANDOFF, ATTACHED TO BRIDGE | SIGNALIZATION, MISC.: CAT 5E CABLE, OUTDOOR RATED | SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE |
| MAIN ST.            | 84        | EACH                                                                          | EACH                                                                          | EACH                                                                         | EACH                                                                         | EACH                                                         | EACH                                                         | EACH                                                    | EACH                                                    | EACH                                                    | EACH                                                   | EACH                                                                  | EACH                                                                  | EACH                                                                  | EACH                                                    | FT                                                                    | EACH                                                   | EACH                                                      | FT                                                | FT                                         |
| THIRD ST.           | 90        |                                                                               |                                                                               |                                                                              |                                                                              |                                                              |                                                              |                                                         |                                                         |                                                         |                                                        |                                                                       |                                                                       |                                                                       |                                                         |                                                                       |                                                        |                                                           |                                                   |                                            |
| GRANT AVE.          | 96        |                                                                               |                                                                               |                                                                              |                                                                              |                                                              |                                                              |                                                         |                                                         |                                                         |                                                        |                                                                       |                                                                       |                                                                       |                                                         |                                                                       |                                                        |                                                           |                                                   |                                            |
| GALLOWAY RD.        | 100       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 1                                                            |                                                         |                                                         |                                                         |                                                        | 1                                                                     |                                                                       |                                                                       |                                                         | 346                                                                   |                                                        |                                                           | 553                                               | 282                                        |
| HALL RD.            | 103       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              |                                                              |                                                         |                                                         |                                                         |                                                        |                                                                       |                                                                       |                                                                       |                                                         |                                                                       |                                                        |                                                           |                                                   |                                            |
| NORTON RD.          | 110       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              |                                                              |                                                         |                                                         |                                                         |                                                        | 3                                                                     | 1                                                                     |                                                                       |                                                         | 2,18                                                                  |                                                        |                                                           |                                                   | 134                                        |
| NORTON RD.          | 113       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              |                                                              |                                                         |                                                         |                                                         |                                                        | 2                                                                     | 1                                                                     |                                                                       |                                                         | 2,22                                                                  |                                                        |                                                           |                                                   | 178                                        |
| GEORGESVILLE RD.    | 119       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 2                                                            |                                                         |                                                         |                                                         |                                                        |                                                                       | 2                                                                     | 1                                                                     |                                                         | 6,141                                                                 |                                                        |                                                           |                                                   | 106                                        |
| SULLIVANT AVE.      | 125       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 2                                                            |                                                         |                                                         |                                                         |                                                        | 2                                                                     |                                                                       | 1                                                                     |                                                         | 8,742                                                                 |                                                        |                                                           |                                                   |                                            |
| PHILLIPI RD.        | 131       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 2                                                            |                                                         |                                                         |                                                         |                                                        | 2                                                                     |                                                                       |                                                                       |                                                         | 6,991                                                                 |                                                        |                                                           |                                                   |                                            |
| FISHER RD.          | 136       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 2                                                            |                                                         |                                                         |                                                         |                                                        | 1                                                                     |                                                                       | 1                                                                     |                                                         | 3,412                                                                 |                                                        |                                                           |                                                   |                                            |
| HOLT RD.            | 143       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 2                                                            |                                                         |                                                         |                                                         |                                                        | 1                                                                     |                                                                       | 1                                                                     |                                                         | 6,720                                                                 |                                                        |                                                           |                                                   | 100                                        |
| MAIN ST.            | 151       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 7                                                            |                                                         |                                                         |                                                         |                                                        | 6                                                                     | 1                                                                     |                                                                       |                                                         | 6,429                                                                 |                                                        |                                                           | 71                                                |                                            |
| MAIN ST.            | 152       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 4                                                            |                                                         |                                                         |                                                         |                                                        | 2                                                                     | 2                                                                     |                                                                       |                                                         | 5,21                                                                  |                                                        |                                                           |                                                   | 229                                        |
| MILLER AVE.         | 162       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 1                                                            |                                                         |                                                         |                                                         |                                                        | 1                                                                     |                                                                       |                                                                       |                                                         | 1,915                                                                 |                                                        |                                                           | 123                                               |                                            |
| BROAD ST.           | 171       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 7                                                            |                                                         |                                                         |                                                         |                                                        | 4                                                                     | 1                                                                     | 2                                                                     |                                                         | 4,679                                                                 |                                                        |                                                           |                                                   |                                            |
| BROAD ST.           | 173       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 1                                                            |                                                         |                                                         |                                                         |                                                        | 1                                                                     |                                                                       |                                                                       |                                                         |                                                                       |                                                        |                                                           |                                                   | 214                                        |
| LONG ST.            | 179       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 2                                                            |                                                         |                                                         |                                                         |                                                        | 2                                                                     |                                                                       | 2                                                                     |                                                         | 3,290                                                                 |                                                        |                                                           |                                                   |                                            |
| LONG ST.            | 181       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 3                                                            |                                                         |                                                         |                                                         |                                                        | 2                                                                     |                                                                       |                                                                       |                                                         | 3,752                                                                 |                                                        |                                                           |                                                   |                                            |
| NELSON RD.          | 186       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 2                                                            |                                                         |                                                         |                                                         |                                                        | 1                                                                     | 2                                                                     |                                                                       |                                                         | 4,121                                                                 |                                                        |                                                           |                                                   |                                            |
| MT VERNON AVE.      | 190       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 1                                                            |                                                         |                                                         |                                                         |                                                        |                                                                       | 1                                                                     |                                                                       |                                                         | 2,041                                                                 |                                                        |                                                           |                                                   |                                            |
| MAIN ST.            | 196       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 4                                                            |                                                         | 1                                                       |                                                         |                                                        | 2                                                                     | 4                                                                     |                                                                       |                                                         | 5,660                                                                 |                                                        |                                                           |                                                   | 62                                         |
| BROAD ST.           | 202       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 3                                                            |                                                         |                                                         |                                                         |                                                        | 2                                                                     |                                                                       | 3                                                                     |                                                         | 1,910                                                                 |                                                        |                                                           | 168                                               | 85                                         |
| BROAD ST.           | 204       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 2                                                            |                                                         |                                                         |                                                         |                                                        | 1                                                                     |                                                                       |                                                                       |                                                         | 976                                                                   |                                                        |                                                           |                                                   |                                            |
| JAMES RD.           | 210       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 1                                                            |                                                         |                                                         |                                                         |                                                        |                                                                       | 1                                                                     |                                                                       |                                                         | 6,371                                                                 |                                                        |                                                           |                                                   |                                            |
| JAMES RD.           | 213       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 3                                                            |                                                         |                                                         |                                                         |                                                        |                                                                       | 2                                                                     | 1                                                                     |                                                         | 2,554                                                                 |                                                        |                                                           |                                                   | 154                                        |
| STELZER RD.         | 221       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 4                                                            |                                                         |                                                         |                                                         |                                                        | 4                                                                     |                                                                       |                                                                       |                                                         | 3,599                                                                 |                                                        |                                                           | 280                                               | 38                                         |
| STELZER RD.         | 226       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 2                                                            |                                                         |                                                         |                                                         |                                                        |                                                                       |                                                                       |                                                                       |                                                         |                                                                       |                                                        |                                                           |                                                   |                                            |
| STELZER RD.         | 227       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              |                                                              |                                                         |                                                         |                                                         |                                                        |                                                                       | 1                                                                     | 1                                                                     |                                                         | 332                                                                   |                                                        |                                                           | 189                                               | 76                                         |
| JOHNSTOWN RD.       | 229       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              |                                                              |                                                         |                                                         |                                                         |                                                        |                                                                       |                                                                       |                                                                       |                                                         | 84                                                                    |                                                        |                                                           | 139                                               |                                            |
| MAIN ST.            | 232       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 1                                                            |                                                         |                                                         |                                                         |                                                        | 1                                                                     |                                                                       |                                                                       |                                                         | 120                                                                   |                                                        |                                                           |                                                   | 204                                        |
| MAIN ST.            | 233       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              |                                                              |                                                         |                                                         |                                                         |                                                        |                                                                       |                                                                       |                                                                       |                                                         |                                                                       |                                                        |                                                           |                                                   |                                            |
| MAIN ST.            | 237       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 4                                                            |                                                         |                                                         |                                                         |                                                        | 3                                                                     | 2                                                                     |                                                                       |                                                         | 1,238                                                                 |                                                        |                                                           |                                                   | 97                                         |
| BROAD ST.           | 241       | 1                                                                             |                                                                               |                                                                              |                                                                              |                                                              | 2                                                            |                                                         |                                                         |                                                         |                                                        |                                                                       | 2                                                                     |                                                                       |                                                         | 966                                                                   |                                                        |                                                           |                                                   |                                            |
| HAMILTON RD.        | 247       | 2                                                                             |                                                                               |                                                                              |                                                                              |                                                              | 3                                                            |                                                         |                                                         | 2                                                       |                                                        | 1                                                                     | 1                                                                     |                                                                       |                                                         | 251                                                                   |                                                        |                                                           |                                                   | 75                                         |
| OLENTANGY RIVER RD. | 253       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 2                                                            |                                                         |                                                         |                                                         |                                                        |                                                                       | 2                                                                     | 1                                                                     |                                                         | 2,441                                                                 |                                                        |                                                           |                                                   | 315                                        |
| OLENTANGY RIVER RD. | 259       |                                                                               |                                                                               |                                                                              |                                                                              |                                                              | 4                                                            |                                                         |                                                         |                                                         |                                                        | 3                                                                     | 3                                                                     |                                                                       |                                                         | 2,400                                                                 |                                                        |                                                           |                                                   | 346                                        |
|                     |           |                                                                               |                                                                               |                                                                              |                                                                              |                                                              |                                                              |                                                         |                                                         |                                                         |                                                        |                                                                       |                                                                       |                                                                       |                                                         |                                                                       |                                                        |                                                           |                                                   |                                            |
| SUB TOTAL           |           | 3                                                                             |                                                                               |                                                                              |                                                                              |                                                              | 80                                                           |                                                         | 3                                                       | 2                                                       |                                                        | 45                                                                    | 34                                                                    | 14                                                                    |                                                         | 97,563                                                                |                                                        |                                                           | 1,523                                             | 2,695                                      |

QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.



d:\jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_SUB\_SUM\_Volume1.dwg -- VOLUME 1 -- SHEET 5 OF 10 layout ~ last saved by: mgraf 12/27/2016 06:18pm ~ printed 03/18/2020 04:00pm

| LOCATION            | SHEET NO. | 632                                                 | 632                                        | 632                               | 632                                          | 632                               | 633                                                     | 633                                                   | 633                                    | 633                                                 | 633                                               | 633                                                                           | 633                                                      | 633                                                     | 633                                                     | 633                                                  | 633                                                                  | 644                               |  |  |
|---------------------|-----------|-----------------------------------------------------|--------------------------------------------|-----------------------------------|----------------------------------------------|-----------------------------------|---------------------------------------------------------|-------------------------------------------------------|----------------------------------------|-----------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------|--|--|
|                     |           | SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM<br>EACH | SPREAD SPECTRUM RADIO, AS PER PLAN<br>EACH | STRAIN POLE, DESIGN NO. 6<br>EACH | STRAIN POLE FOUNDATION, DESIGN NO. 6<br>EACH | WOOD POLE, CLASS 5, 35 FT<br>EACH | CABINET, GROUND MOUNTED, TYPE TS-2, AS PER PLAN<br>EACH | CABINET, POLE MOUNTED, TYPE TS 2, AS PER PLAN<br>EACH | CABINET, TYPE 334, AS PER PLAN<br>EACH | CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE<br>EACH | CONTROLLER ITEM, MISC.: ETHERNET EXTENDER<br>EACH | CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE<br>EACH | CONTROLLER ITEM, MISC.: INTERNAL ETHERNET MODULE<br>EACH | CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH<br>EACH | CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH<br>EACH | CONTROLLER ITEM, MISC.: TERMINAL PORT SERVER<br>EACH | CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN<br>EACH | CROSSWALK LINE, AS PER PLAN<br>FT |  |  |
| MAIN ST.            | 84        |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   |                                                                               |                                                          |                                                         |                                                         |                                                      |                                                                      |                                   |  |  |
| THIRD ST.           | 90        |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   |                                                                               |                                                          |                                                         |                                                         |                                                      |                                                                      |                                   |  |  |
| GRANT AVE.          | 96        |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   |                                                                               |                                                          |                                                         |                                                         |                                                      |                                                                      |                                   |  |  |
| GALLOWAY RD.        | 100       | 1                                                   | 4                                          |                                   |                                              |                                   | 1                                                       |                                                       |                                        |                                                     |                                                   | 2                                                                             |                                                          |                                                         |                                                         | 2                                                    |                                                                      |                                   |  |  |
| HALL RD.            | 103       |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   |                                                                               |                                                          |                                                         |                                                         |                                                      |                                                                      |                                   |  |  |
| NORTON RD.          | 110       | 1                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 8                                                                             |                                                          |                                                         | 4                                                       |                                                      | 3                                                                    | 1                                 |  |  |
| NORTON RD.          | 113       | 1                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 4                                                                             |                                                          |                                                         | 2                                                       |                                                      | 2                                                                    |                                   |  |  |
| GEORGESVILLE RD.    | 119       |                                                     |                                            |                                   |                                              | 4                                 |                                                         |                                                       |                                        |                                                     |                                                   | 5                                                                             |                                                          |                                                         |                                                         |                                                      |                                                                      |                                   |  |  |
| SULLIVANT AVE.      | 125       | 1                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 4                                                                             |                                                          |                                                         | 2                                                       |                                                      |                                                                      |                                   |  |  |
| PHILLIPI RD.        | 131       |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 4                                                                             |                                                          |                                                         | 2                                                       |                                                      | 2                                                                    |                                   |  |  |
| FISHER RD.          | 136       |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 2                                                                             |                                                          |                                                         | 1                                                       |                                                      | 1                                                                    |                                   |  |  |
| HOLT RD.            | 142       | 1                                                   |                                            |                                   |                                              | 3                                 |                                                         |                                                       |                                        |                                                     |                                                   | 4                                                                             | 1                                                        |                                                         | 1                                                       |                                                      |                                                                      |                                   |  |  |
| MAIN ST.            | 151       |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 12                                                                            |                                                          |                                                         | 2                                                       |                                                      |                                                                      |                                   |  |  |
| MAIN ST.            | 155       | 2                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 5                                                                             |                                                          |                                                         | 4                                                       |                                                      |                                                                      |                                   |  |  |
| MILLER AVE.         | 162       |                                                     | 1                                          |                                   |                                              | 1                                 |                                                         |                                                       |                                        |                                                     |                                                   | 1                                                                             |                                                          |                                                         | 1                                                       |                                                      | 1                                                                    |                                   |  |  |
| BROAD ST.           | 171       |                                                     |                                            |                                   |                                              | 1                                 |                                                         |                                                       |                                        |                                                     |                                                   | 13                                                                            |                                                          |                                                         | 7                                                       |                                                      |                                                                      |                                   |  |  |
| BROAD ST.           | 173       | 1                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 2                                                                             |                                                          |                                                         | 1                                                       |                                                      |                                                                      |                                   |  |  |
| LONG ST.            | 179       |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 5                                                                             |                                                          |                                                         | 2                                                       |                                                      |                                                                      |                                   |  |  |
| LONG ST.            | 183       |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 2                                                                             |                                                          |                                                         | 1                                                       |                                                      |                                                                      |                                   |  |  |
| NELSON RD.          | 186       |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 4                                                                             |                                                          |                                                         | 2                                                       |                                                      |                                                                      |                                   |  |  |
| MT VERNON AVE.      | 190       |                                                     |                                            |                                   |                                              | 2                                 |                                                         |                                                       |                                        |                                                     |                                                   | 2                                                                             |                                                          |                                                         |                                                         |                                                      |                                                                      |                                   |  |  |
| MAIN ST.            | 196       | 1                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 10                                                                            | 1                                                        |                                                         | 3                                                       |                                                      | 1                                                                    |                                   |  |  |
| BROAD ST.           | 202       | 1                                                   | 2                                          |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 5                                                                             |                                                          |                                                         | 4                                                       |                                                      | 4                                                                    |                                   |  |  |
| BROAD ST.           | 204       |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 4                                                                             |                                                          |                                                         | 2                                                       |                                                      | 2                                                                    |                                   |  |  |
| JAMES RD.           | 210       |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 2                                                                             |                                                          |                                                         | 1                                                       |                                                      | 1                                                                    |                                   |  |  |
| JAMES RD.           | 213       | 1                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 6                                                                             |                                                          |                                                         | 3                                                       |                                                      | 1                                                                    | 2                                 |  |  |
| STELZER RD.         | 221       | 1                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 8                                                                             |                                                          |                                                         | 5                                                       |                                                      | 2                                                                    | 2                                 |  |  |
| STELZER RD.         | 226       |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   |                                                                               |                                                          |                                                         |                                                         |                                                      |                                                                      |                                   |  |  |
| STELZER RD.         | 227       | 1                                                   | 1                                          |                                   |                                              | 2                                 |                                                         |                                                       |                                        |                                                     |                                                   | 4                                                                             | 1                                                        |                                                         | 2                                                       |                                                      | 1                                                                    |                                   |  |  |
| JOHNSTOWN RD.       | 229       |                                                     | 1                                          |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   |                                                                               | 1                                                        |                                                         | 1                                                       |                                                      |                                                                      |                                   |  |  |
| MAIN ST.            | 232       |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   |                                                                               |                                                          |                                                         |                                                         |                                                      |                                                                      |                                   |  |  |
| MAIN ST.            | 233       | 1                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 2                                                                             |                                                          |                                                         | 1                                                       |                                                      |                                                                      | 1                                 |  |  |
| MAIN ST.            | 237       | 1                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 8                                                                             |                                                          |                                                         | 4                                                       |                                                      | 1                                                                    | 2                                 |  |  |
| BROAD ST.           | 241       |                                                     |                                            |                                   |                                              | 1                                 |                                                         |                                                       |                                        |                                                     |                                                   | 6                                                                             |                                                          |                                                         | 2                                                       |                                                      | 1                                                                    | 1                                 |  |  |
| HAMILTON RD.        | 247       | 1                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 6                                                                             |                                                          |                                                         | 2                                                       | 1                                                    |                                                                      | 2                                 |  |  |
| OLENTANGY RIVER RD. | 253       | 1                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 4                                                                             |                                                          |                                                         | 2                                                       |                                                      |                                                                      | 2                                 |  |  |
| OLENTANGY RIVER RD. | 259       | 2                                                   |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   | 8                                                                             |                                                          |                                                         | 4                                                       |                                                      | 4                                                                    |                                   |  |  |
|                     |           |                                                     |                                            |                                   |                                              |                                   |                                                         |                                                       |                                        |                                                     |                                                   |                                                                               |                                                          |                                                         |                                                         |                                                      |                                                                      |                                   |  |  |
| SUB TOTAL           |           | 18                                                  | 10                                         |                                   |                                              | 16                                | 1                                                       |                                                       |                                        |                                                     |                                                   | 156                                                                           | 4                                                        | 78                                                      | 1                                                       | 26                                                   | 46                                                                   |                                   |  |  |

QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.







**QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.**



**3150-E**



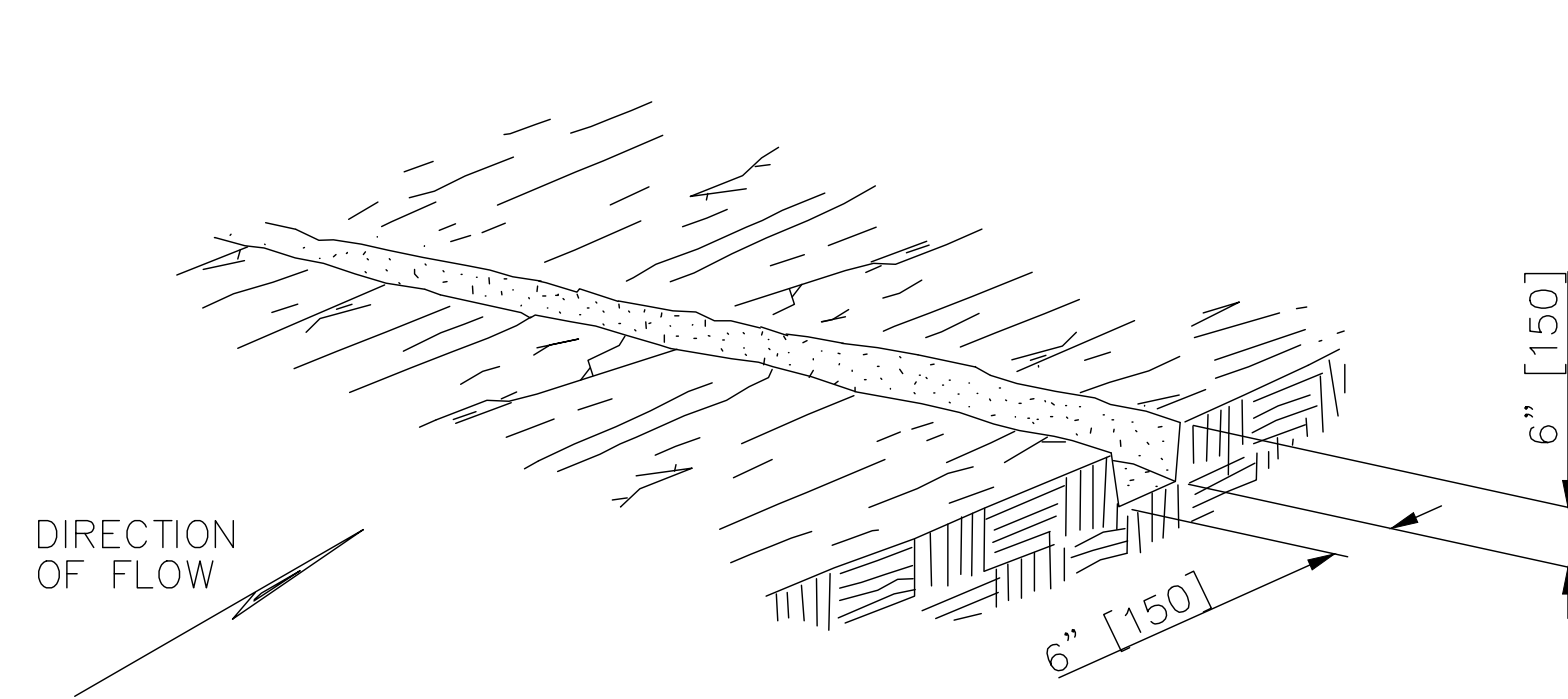






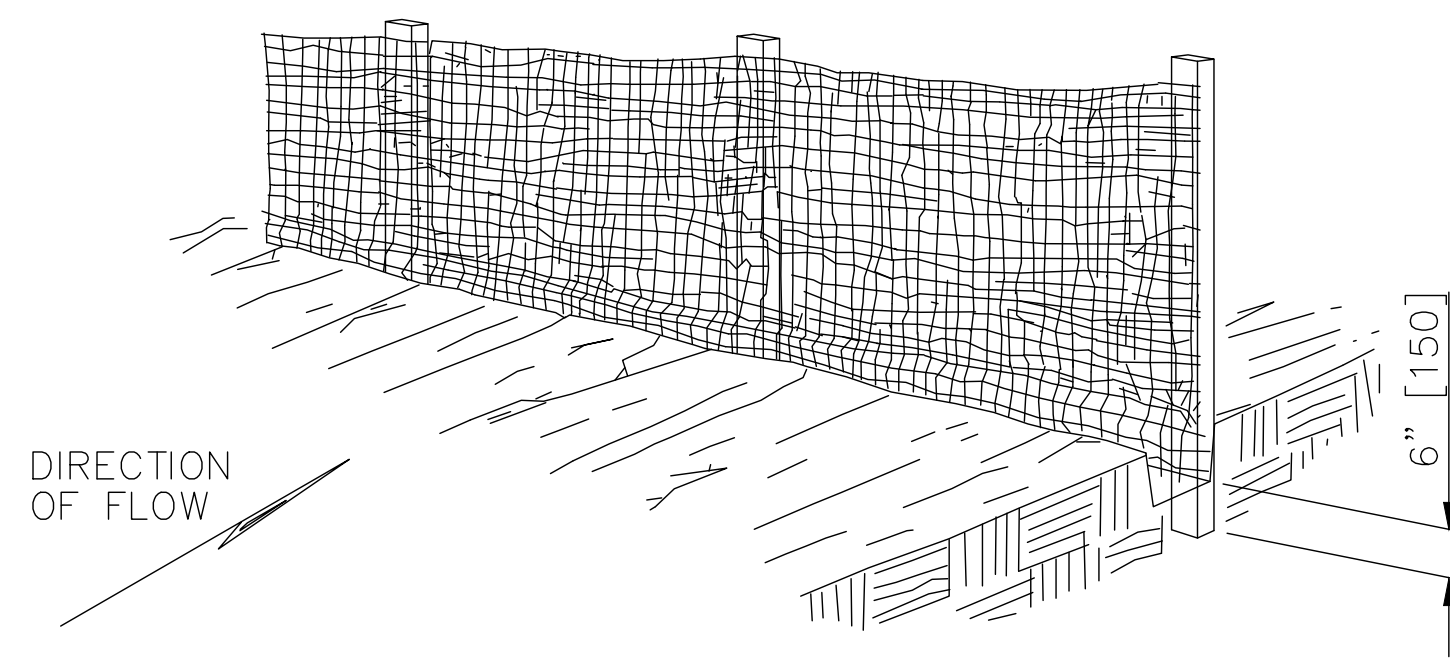


## PERIMETER FILTER FABRIC FENCE



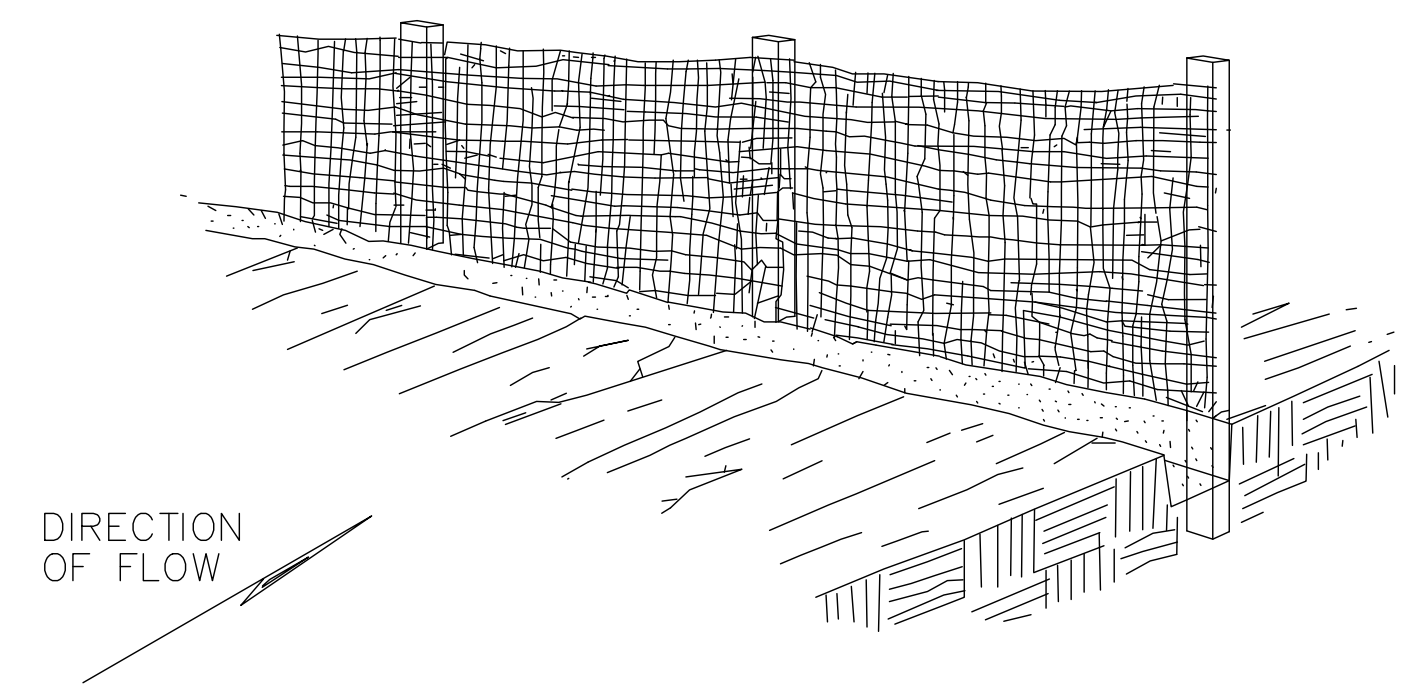
EXCAVATE A 6"x6" [150X150] TRENCH  
ALONG THE PROPOSED FENCE LINE.

STEP 1



PLACE FABRIC AND SUPPORT STAKES  
AND EXTEND FABRIC INTO THE TRENCH.

STEP 2



BACKFILL AND COMPACT THE EXCAVATED SOIL.

STEP 3

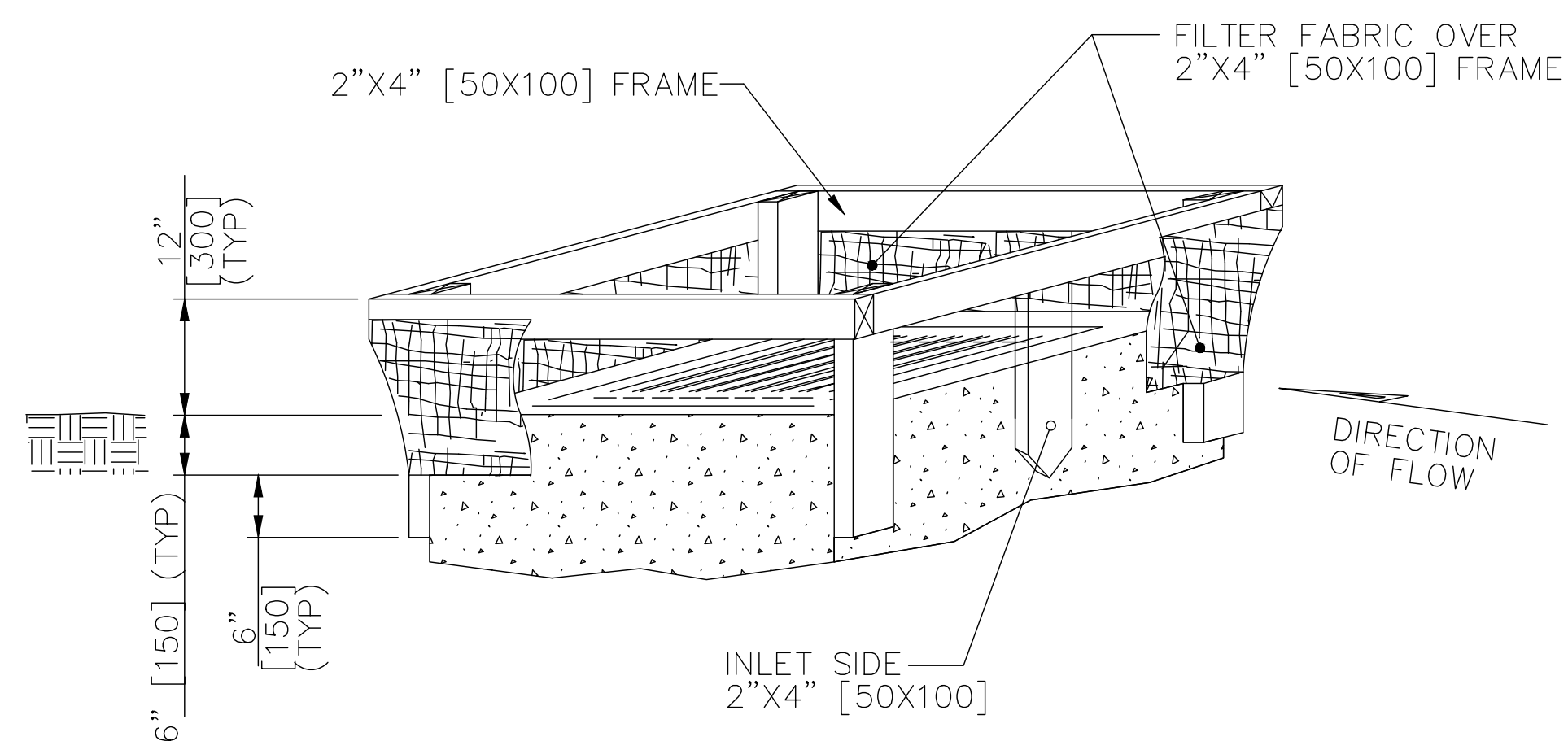
### NOTES

**MATERIALS:**  
FURNISH 30" [0.8 M] WIDE FILTER FABRIC WITH SOUND WOOD  
SUPPORTS WITH MAXIMUM ON-CENTER SPACING OF 10' [3.0 M]. USE  
FILTER FABRIC CONFORMING TO 712.09, TYPE C.

**CONSTRUCTION:**  
TRENCH THE FILTER FABRIC FENCE AS DETAILED. THE CONTRACTOR MAY  
ELECT TO TRENCH THE FENCE DETAILED ON STEPS 1 THROUGH 3 IN ONE  
PLOWING OPERATION.

**PAYMENT:**  
ALL LABOR AND MATERIALS REQUIRED FOR THE INSTALLATION OF  
PERIMETER FILTERS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF  
ITEM 207: ESC/SWP3 PAY ITEMS - AS PER PLAN.

## INLET PROTECTION



## INLET PROTECTION

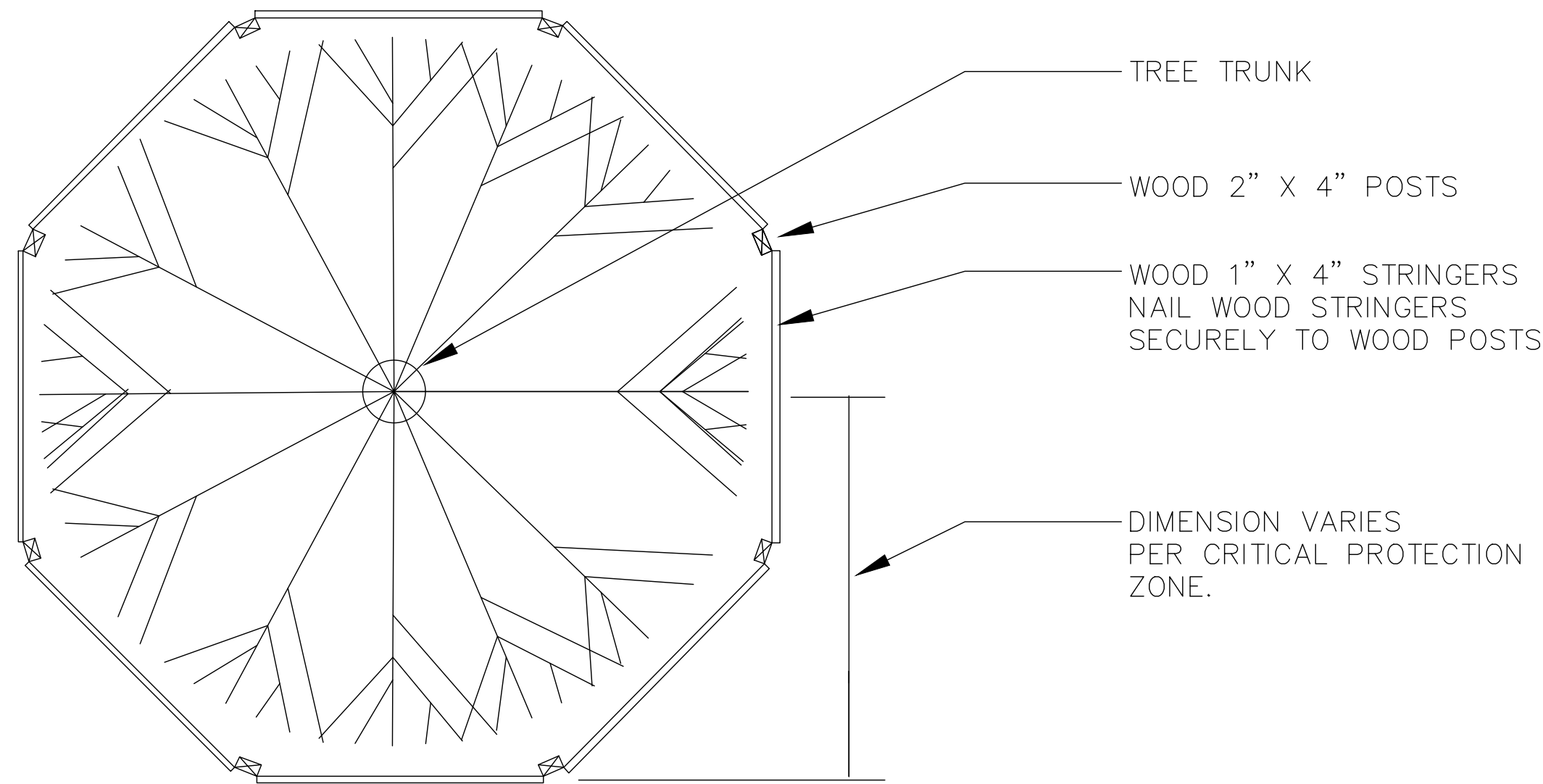
### NOTES

**MATERIALS:**  
FURNISH INLET PROTECTION CONSISTING OF 18" [0.5 M] WIDE FILTER FABRIC FENCE WITH A  
SECURELY NAILED 2"x4" [50X100] WOOD FRAME WITH A VERTICALLY DRIVEN 2"x4" [50X100] ON  
THE INLET, OR FLOW, SIDE OF THE STRUCTURE. USE FILTER FABRIC CONFORMING TO 712.09,  
TYPE C.

**CONSTRUCTION:**  
CONSTRUCT AN 18" [0.5 M] WIDE FILTER FABRIC FENCE SUPPORTED AROUND A STORM DRAIN  
INLET OR CATCH BASIN WITH A SECURELY NAILED 2"x4" [50X100] WOOD FRAME. EXCAVATE A  
6" [150] TRENCH AROUND THE INLET, AND DRIVE SUPPORT POSTS 6" [150] BELOW THE  
EXCAVATED TRENCH BOTTOM. STRETCH THE FABRIC AROUND THE FRAME. SECURE IT TIGHTLY,  
ENSURING THAT 6" [150] OF FABRIC IS IN THE TRENCH. OVERLAP THE FABRIC ON ONE SIDE OF  
THE INLET SO THAT THE FABRIC ENDS ARE NOT ATTACHED TO THE SAME POST. BACKFILL AND  
COMPACT THE EXCAVATED SOIL TIGHTLY ONTO THE FABRIC. PLACE A VERTICAL 2"x4"  
[50X100] IN THE CENTER OF THE INLET SO THAT THE TOP IS AT THE TOP OF THE FENCE AND  
THE BOTTOM IS AT LEAST 6" [150] BELOW THE BOTTOM OF THE DITCH.

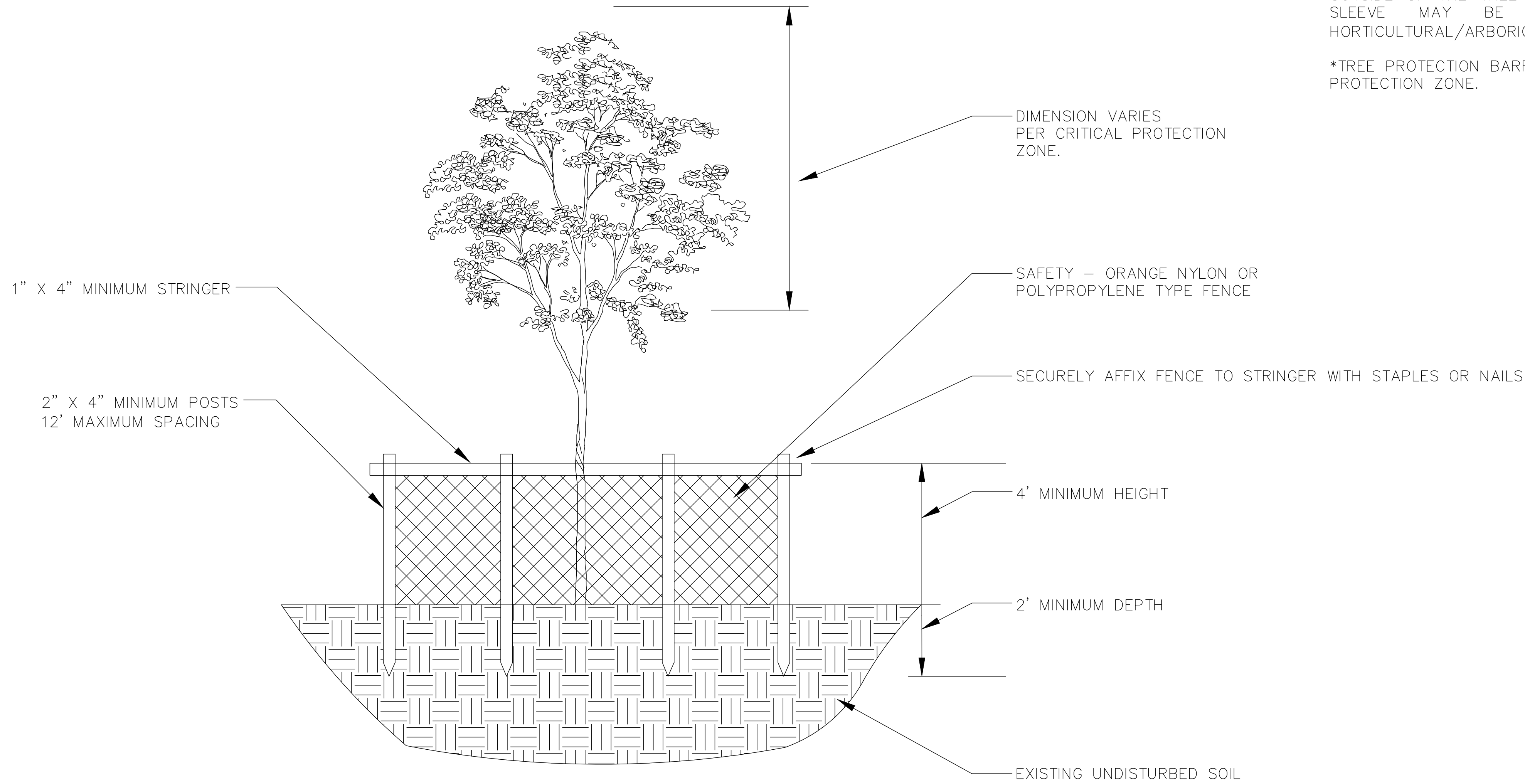
**PAYMENT:**  
ALL LABOR AND MATERIALS REQUIRED, INCLUDING THOSE NOT SPECIFICALLY IDENTIFIED IN SS832,  
FOR THE INSTALLATION OF INLET PROTECTION SHALL BE CONSIDERED INCIDENTAL TO THE COST  
OF ITEM 207 - ESC/SWP3 PAY ITEMS - AS PER PLAN.





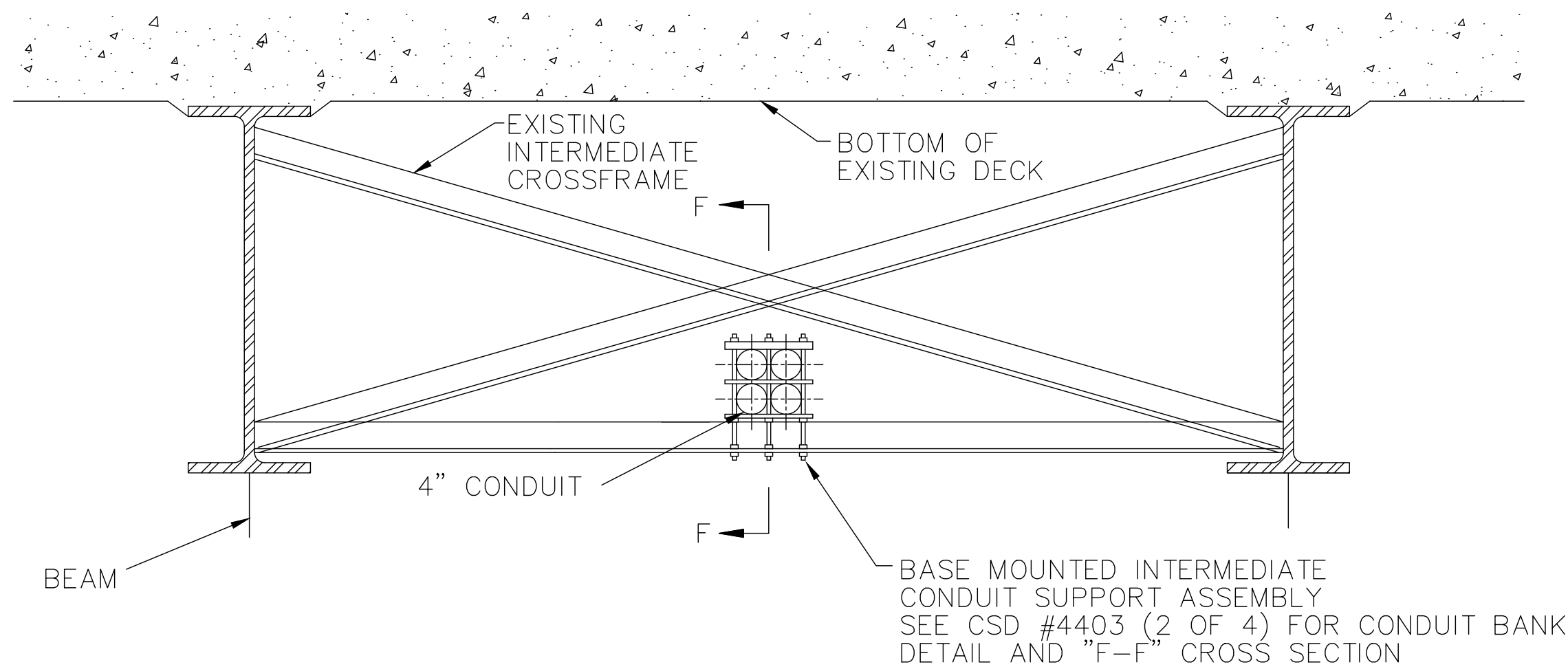
NOTE: FOR GROUPS OF TREES PLACE BARRICADES BETWEEN TREES AND CONSTRUCTION ACTIVITY

- NOTE:
- FOR GROUPS OF TREES:
    - PLACE THE BARRICADES AT THE DRIPLINE AROUND THE GROUPS PERIMETER.
  - INSTALLATION OF TREE PROTECTION BARRICADES SHALL BE PERFORMED BEFORE ANY SITE DEVELOPMENT ACTIVITY TAKES PLACE.
  - THE TREE PROTECTION BARRICADES SHALL REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION PHASE AND UNTIL ALL SITE DEVELOPMENT ACTIVITIES ARE FULLY COMPLETE.
  - ANY DAMAGE THAT MAY OCCUR TO THE BARRICADES SHALL BE REPAIRED OR REPLACED TO THE ORIGINAL SPECIFICATIONS WITHIN 24 HOURS OF THE DAMAGE OCCURRING.
  - THE AREA WITHIN THE TREE PROTECTION BARRICADES SHALL NOT BE USED FOR THE STORAGE OF ANY MATERIALS, SUPPLIES OR DEBRIS OR THE DISPOSAL OF ANY SOLID, LIQUID OR GASEOUS MATERIALS THAT COULD CAUSE HARM TO THE TREES.
  - ANY TREE SCHEDULED TO REMAIN IF DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY PROVIDING EQUIVALENT MONETARY VALUE TO THE CITY'S TREE FUND.
  - MONETARY TREE VALUE SHALL BE DETERMINED BY USING THE GUIDE FOR PLANT APPRAISAL, PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE OR OTHER SOURCES AS DETERMINED BY THE CITY FORESTER.
  - BARRICADES SHALL PROTECT ALL TREES SCHEDULED TO REMAIN BEFORE AND DURING ALL CONSTRUCTION ACTIVITIES.
  - ANY PROPOSED UNDERGROUND UTILITIES SHALL BE ROUTED AROUND PROTECTED TREES TO THE OUTSIDE OF THE TREE'S DRIPLINE. IF THIS IS NOT FEASIBLE, AS DETERMINED BY THE COUNTY, A SLEEVE MAY BE USED UNDER THE TREE, PROVIDED THAT ALL ACCEPTABLE HORTICULTURAL/ARBORICULTURAL PRACTICES ARE ADHERED TO.
- \*TREE PROTECTION BARRICADES SHALL BE LOCATED TO PROTECT A MINIMUM OF 75% OF THE CRITICAL PROTECTION ZONE.

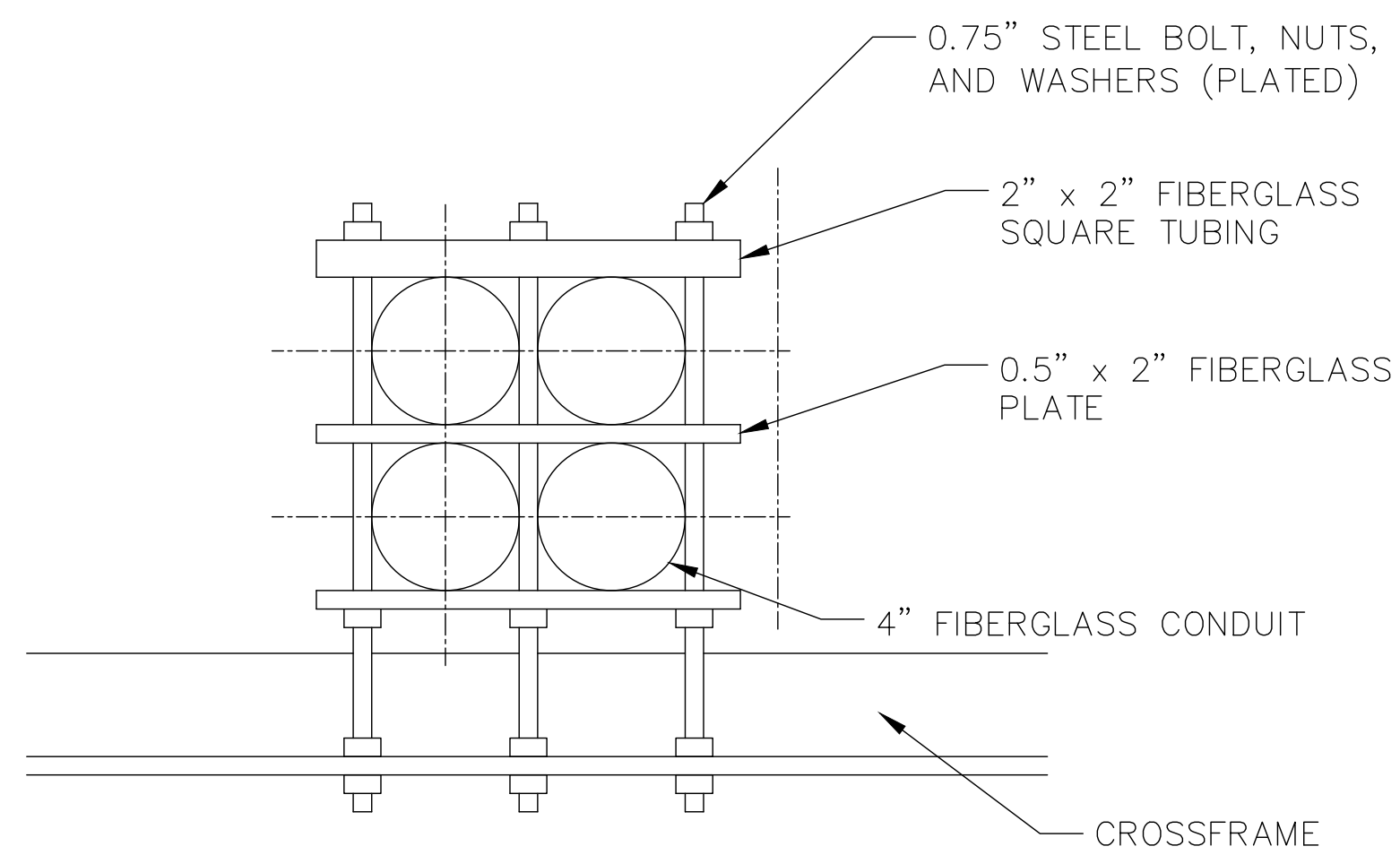


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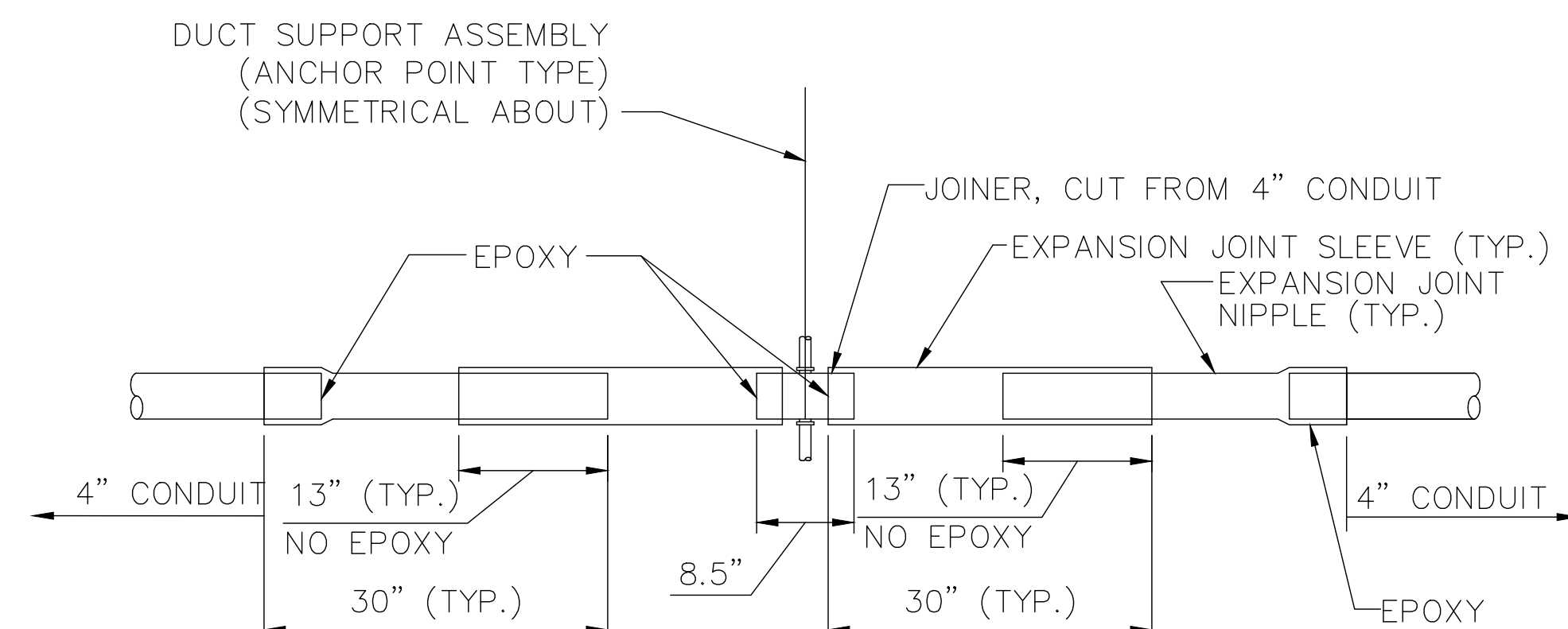




CONDUIT BEARING ATTACHMENT

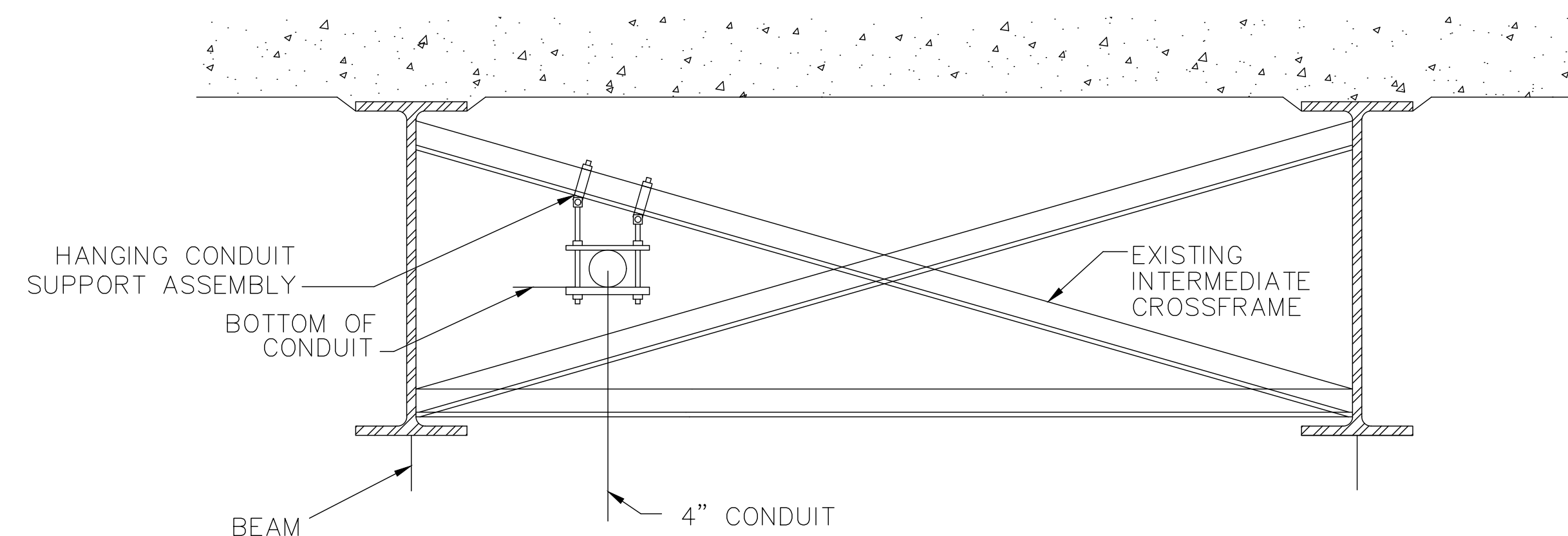


CONDUIT BANK DETAIL

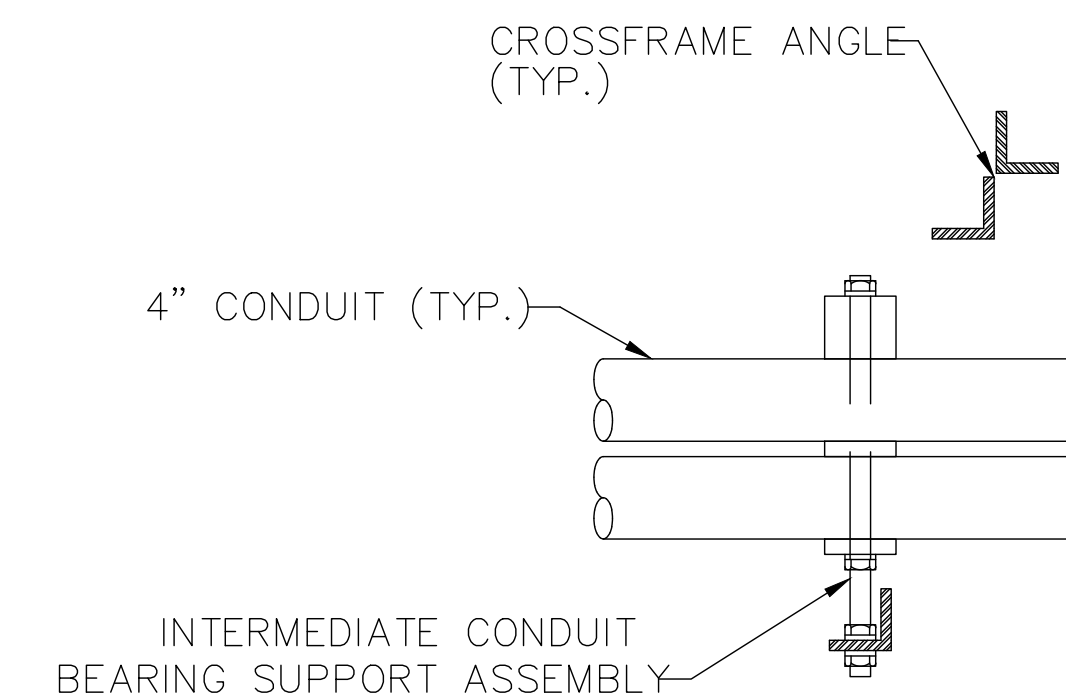


BACK-TO-BACK EXPANSION JOINT DETAIL

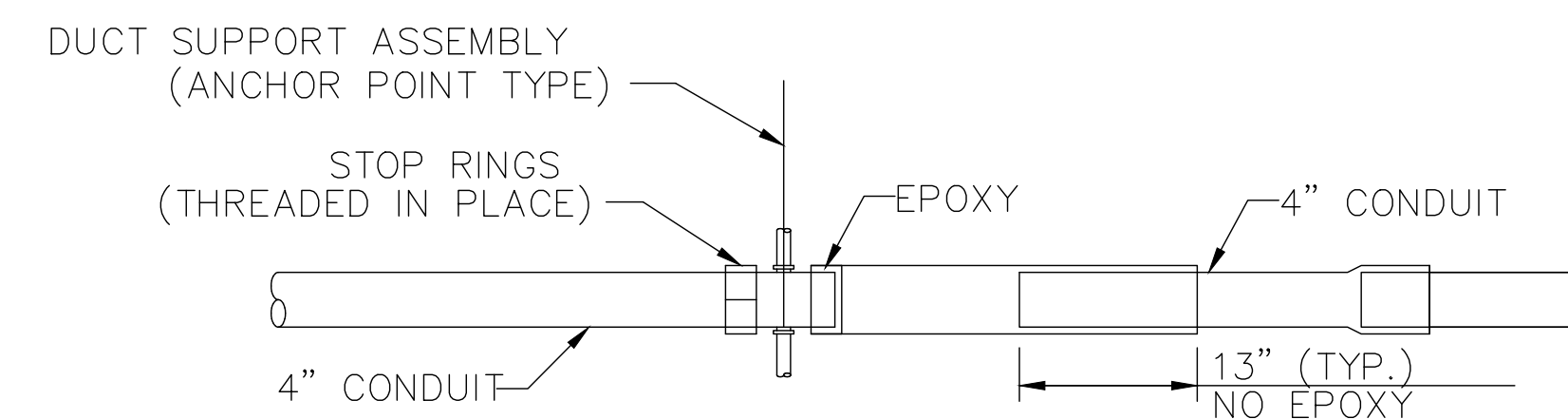
EXPANSION JOINT EVERY 150' AND AT EACH RIGID ATTACHMENT - ENDS.



CONDUIT HANGING ATTACHMENT

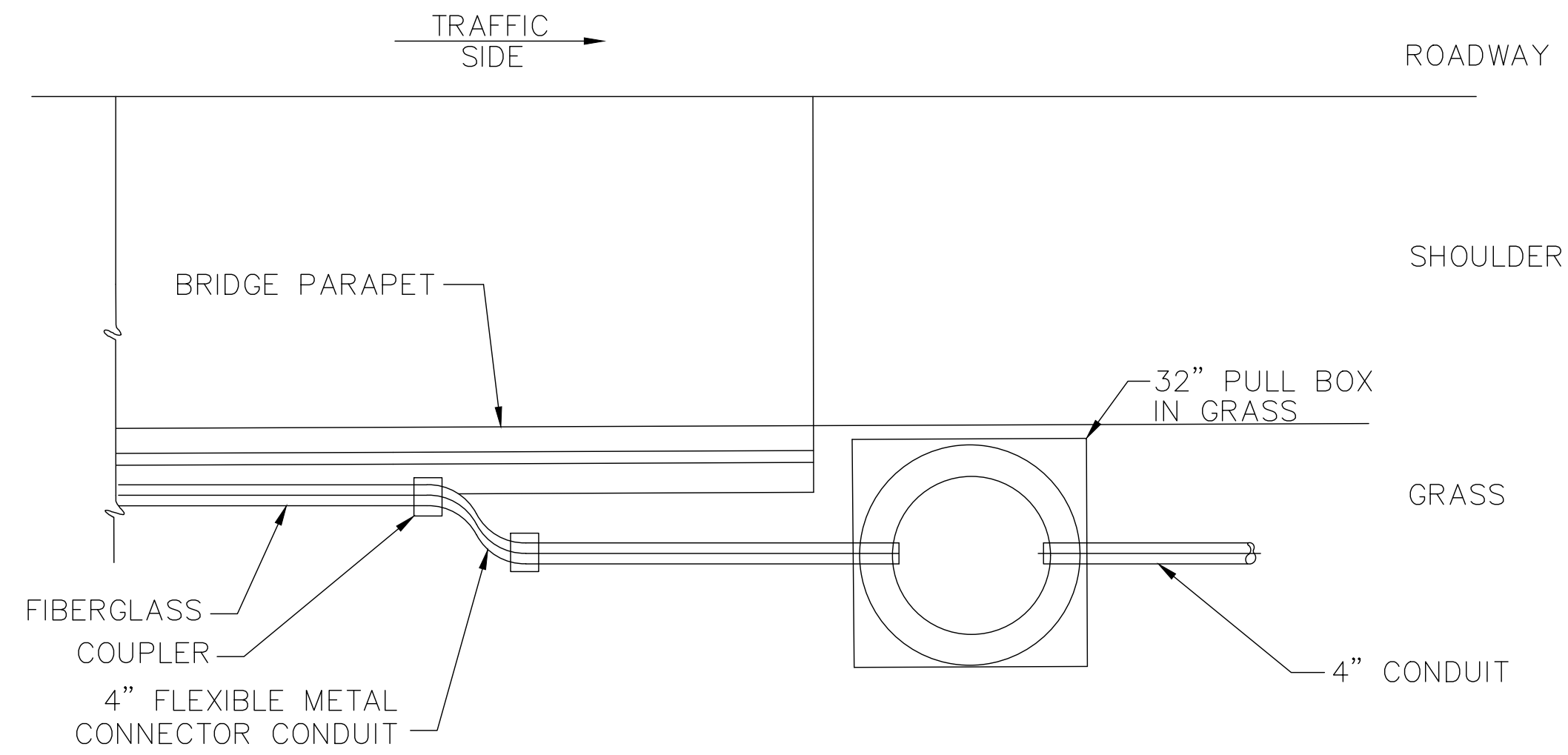


SECTION "F-F"

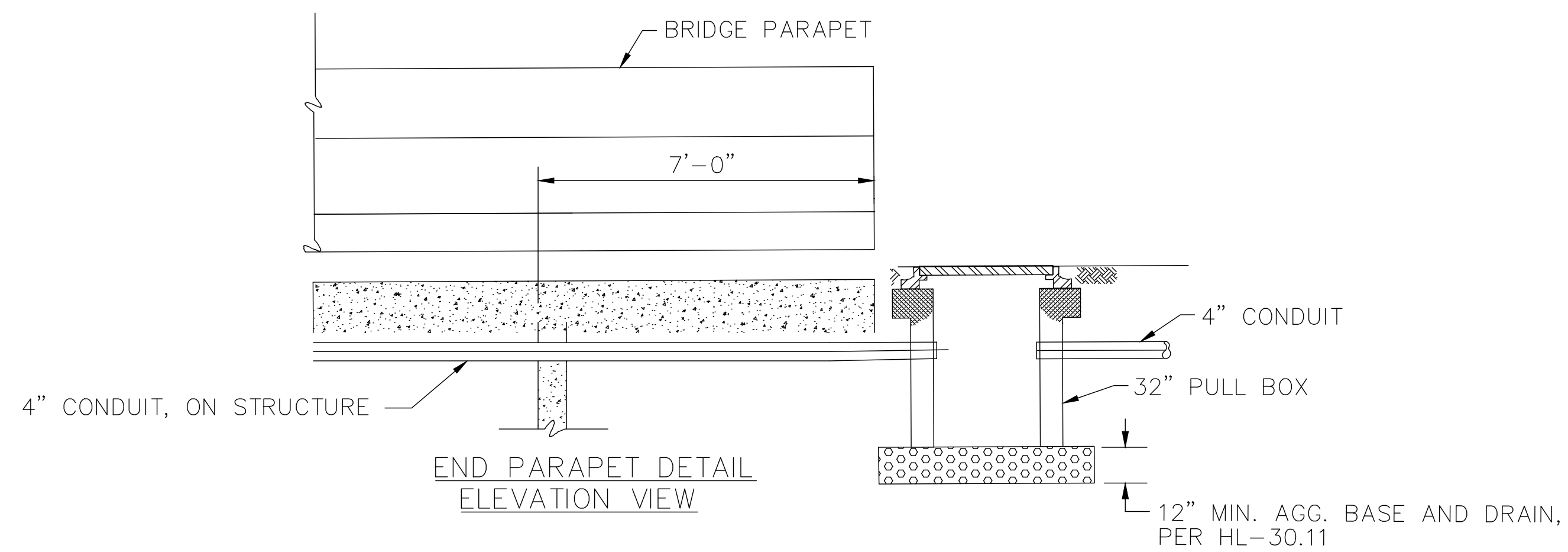


COMBINATION STOP RING AND EXPANSION JOINT

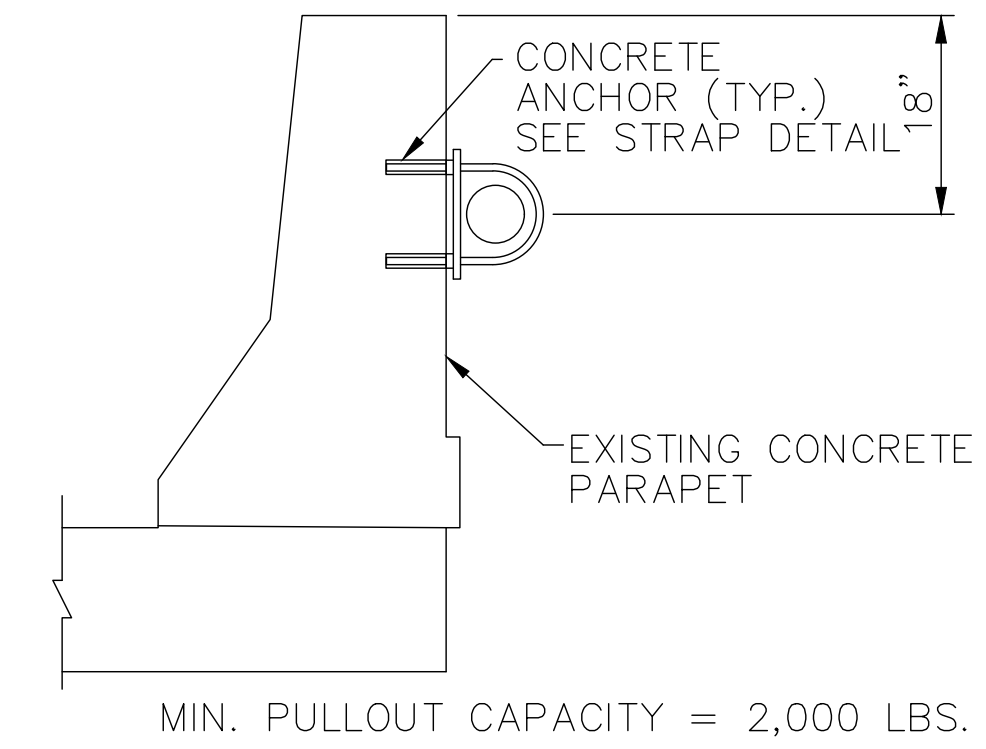




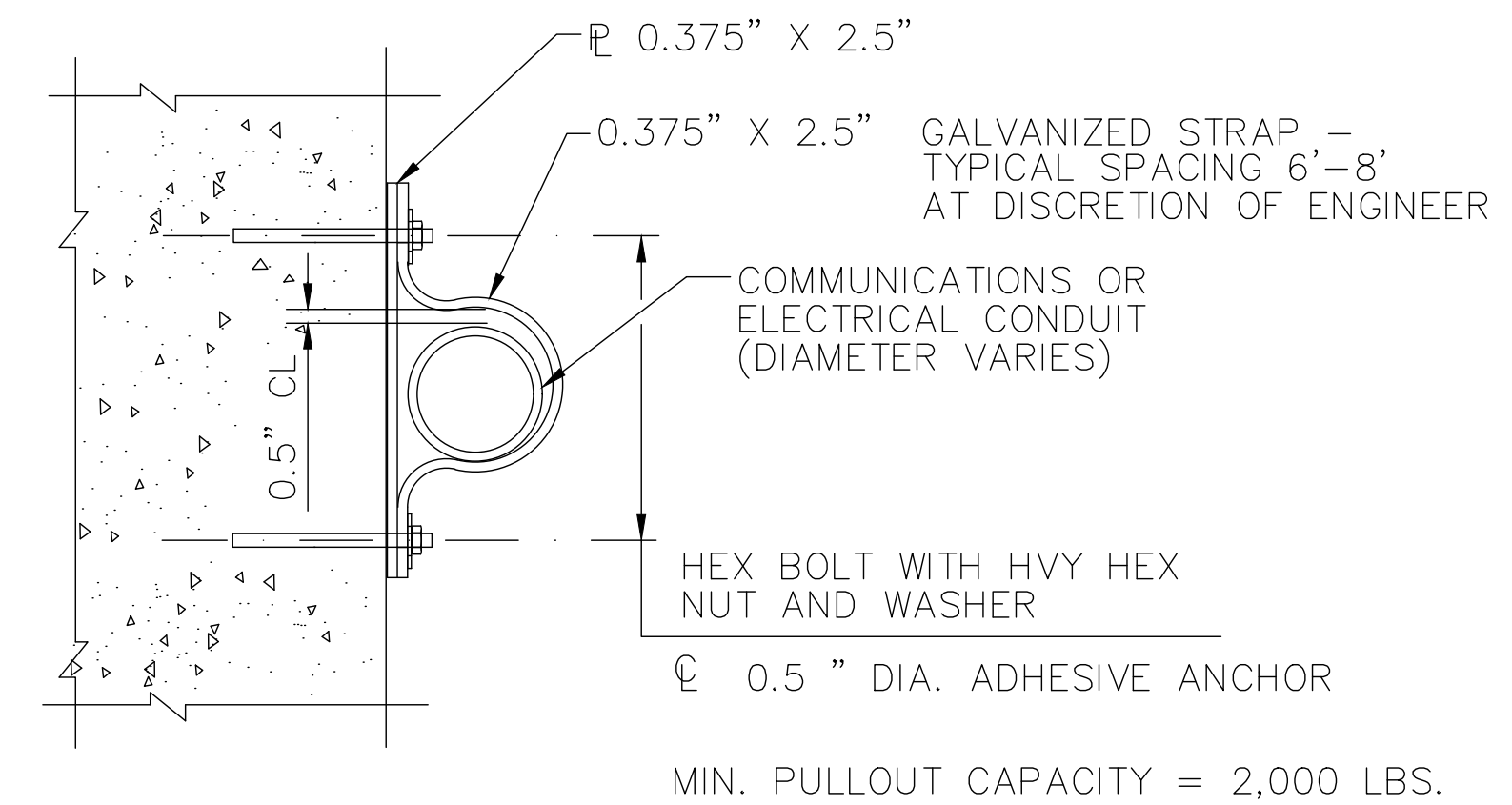
END PARAPET DETAIL  
PLAN VIEW



TYPICAL CONDUIT  
TREATMENT AT END OF BRIDGE PARAPET



CONDUIT ATTACHMENT TO  
PARAPET OR BACK OF  
BARRIER WALL



STRAP DETAIL  
NOT TO SCALE

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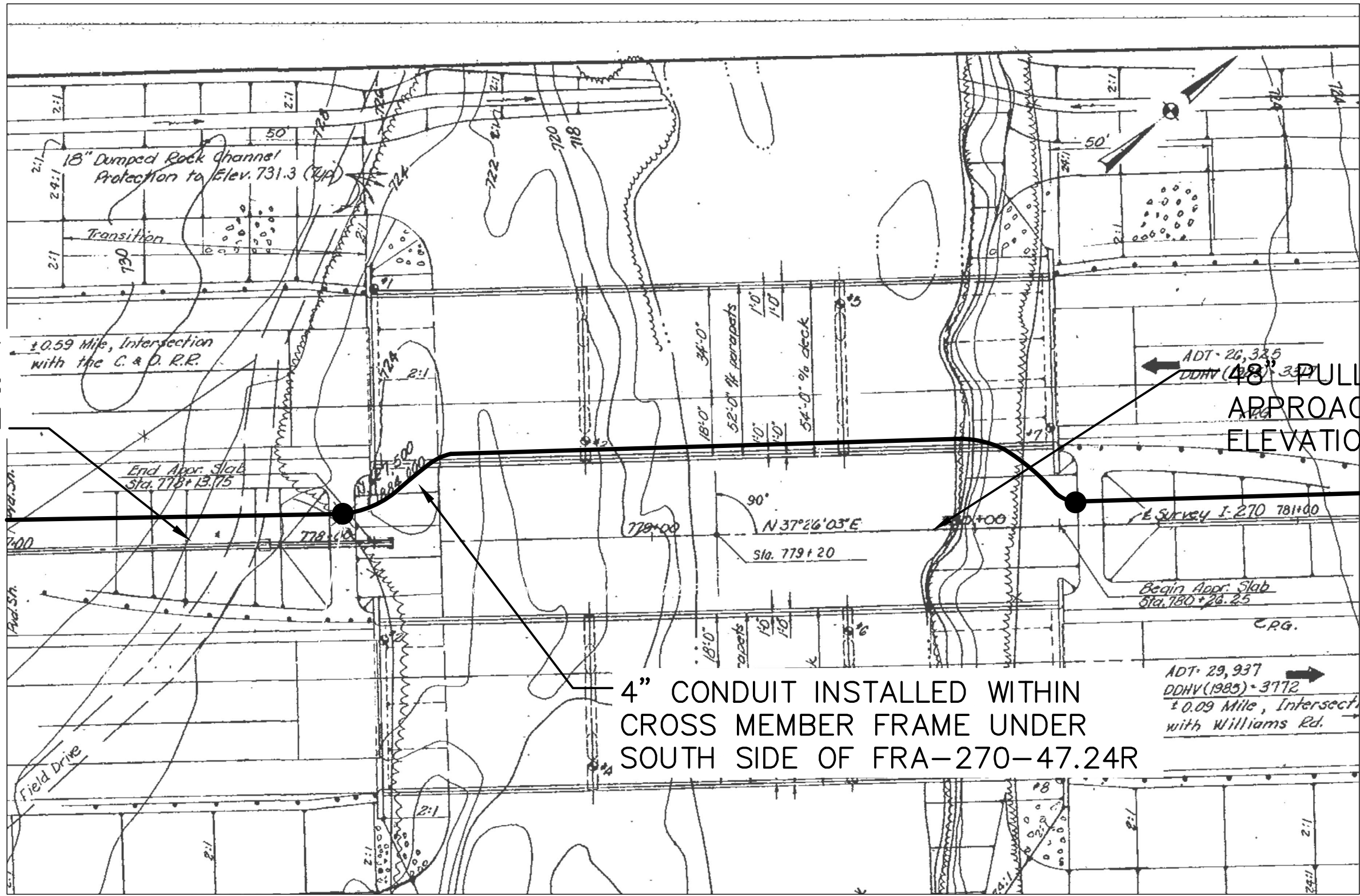


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48" PULLBOX AT  
APPROACH SLAB  
ELEVATION

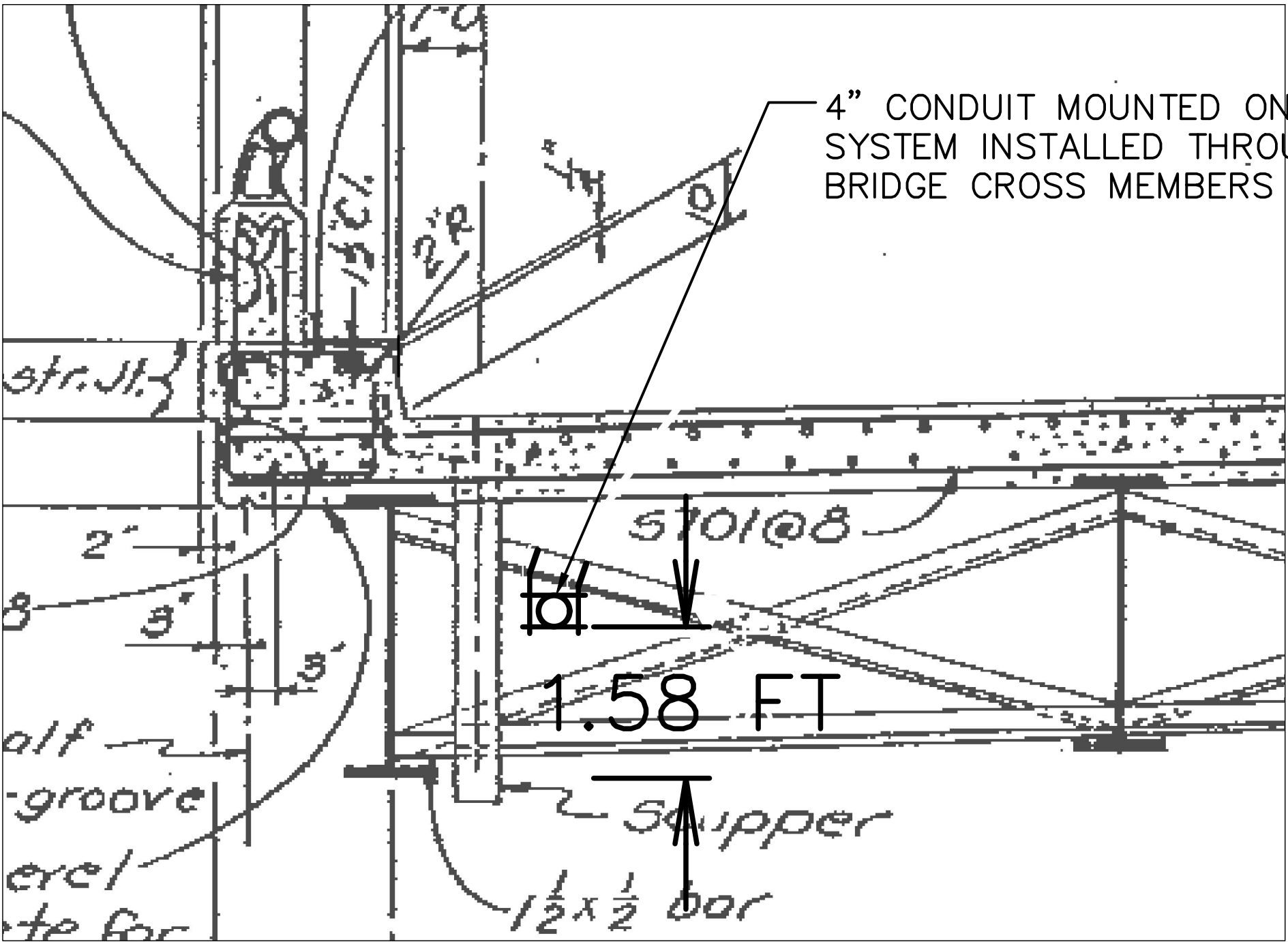


PLAN VIEW

BRIDGE NO. FRA-270-47.27R OVER ALUM CREEK

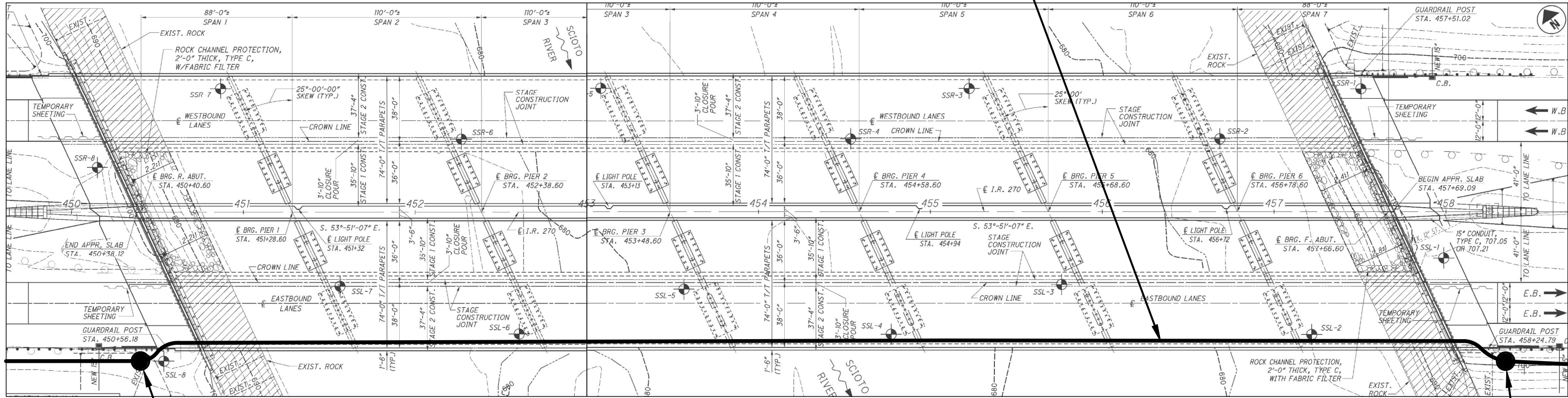
| FRA-270-47.24R (ALUM CREEK) |        |        |                  |     |                 |
|-----------------------------|--------|--------|------------------|-----|-----------------|
| PIER (POSITION C)           |        |        | CONDUIT (BOTTOM) | BFE | SEPARATION (FT) |
| #                           | STA    | ELEV   | Elev             |     |                 |
| 1                           | 778+80 | 732.18 | 733.76           | 728 | 5.76            |
| 2                           | 779+60 | 731.95 | 733.53           | 728 | 5.53            |

SEE SHEET 590 FOR PLAN SHEET



PROFILE VIEW

4" CONDUIT MOUNTED ON HANGER  
SYSTEM INSTALLED THROUGH  
BRIDGE CROSS MEMBERS



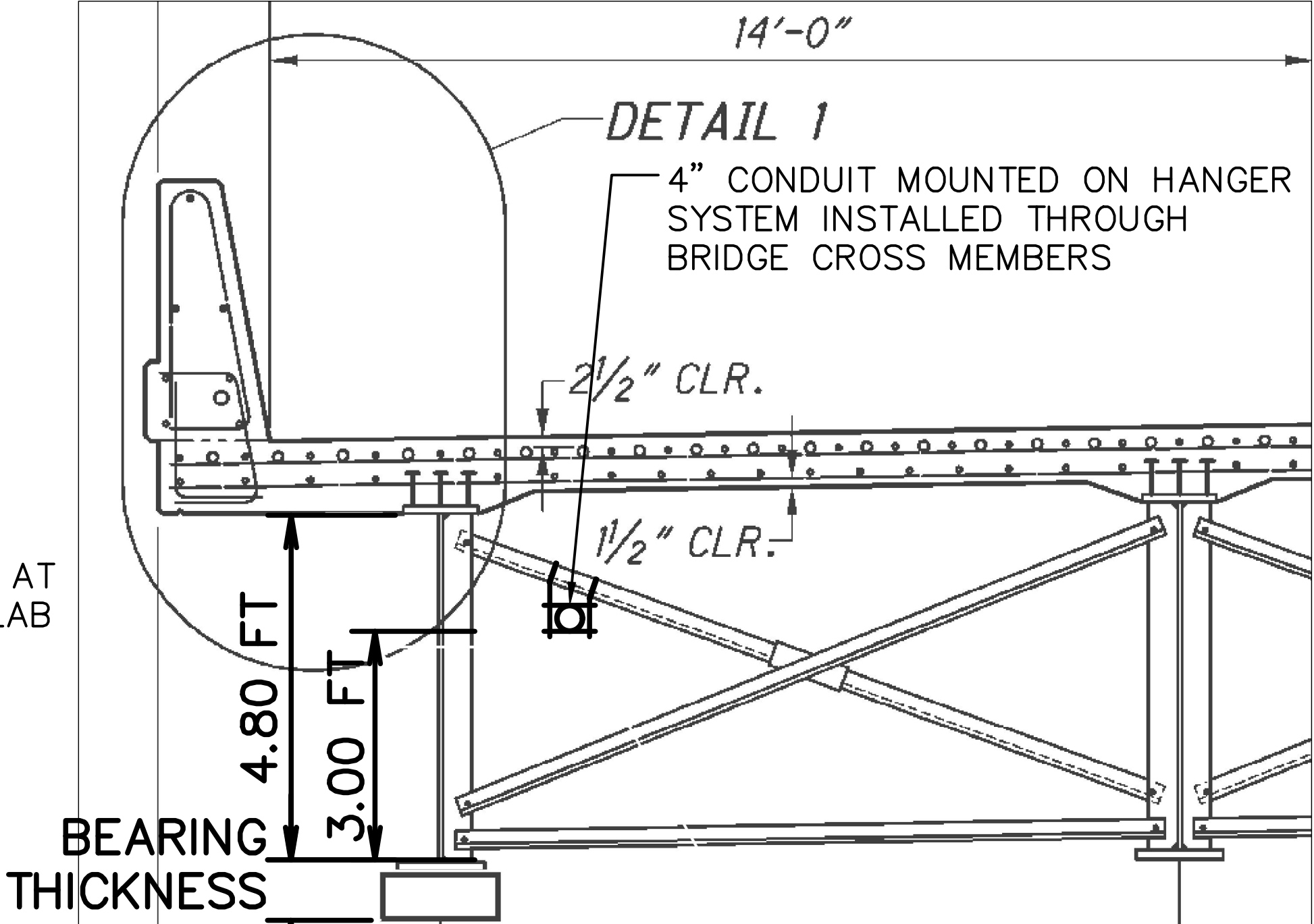
PLAN VIEW

48" PULLBOX AT  
APPROACH SLAB  
ELEVATION

48" PULLBOX AT  
APPROACH SLAB  
ELEVATION

| FRA-270-53.53L (SCIOTO RIVER) |           |        |                        |                       |     |                 |
|-------------------------------|-----------|--------|------------------------|-----------------------|-----|-----------------|
| PIER (POSITION 16)            |           |        | BEARING THICKNESS (IN) | CONDUIT (BOTTOM) ELEV | BFE | SEPARATION (FT) |
| #                             | STA       | ELEV   |                        |                       |     |                 |
| 1                             | 451+28.60 | 698.35 | 6.34                   | 701.88                | 699 | 2.88            |
| 2                             | 452+38.60 | 698.59 | 6.34                   | 702.12                | 699 | 3.12            |
| 3                             | 453.48.60 | 698.69 | 6.34                   | 702.22                | 699 | 3.22            |
| 4                             | 454+58.60 | 698.63 | 6.34                   | 702.16                | 699 | 3.16            |
| 5                             | 455+68.60 | 698.43 | 6.34                   | 701.96                | 699 | 2.96            |
| 6                             | 456+78.60 | 698.07 | 7.32                   | 701.68                | 699 | 2.68            |

BRIDGE NO. FRA-270-53.53L OVER THE SCIOTO RIVER



PROFILE VIEW

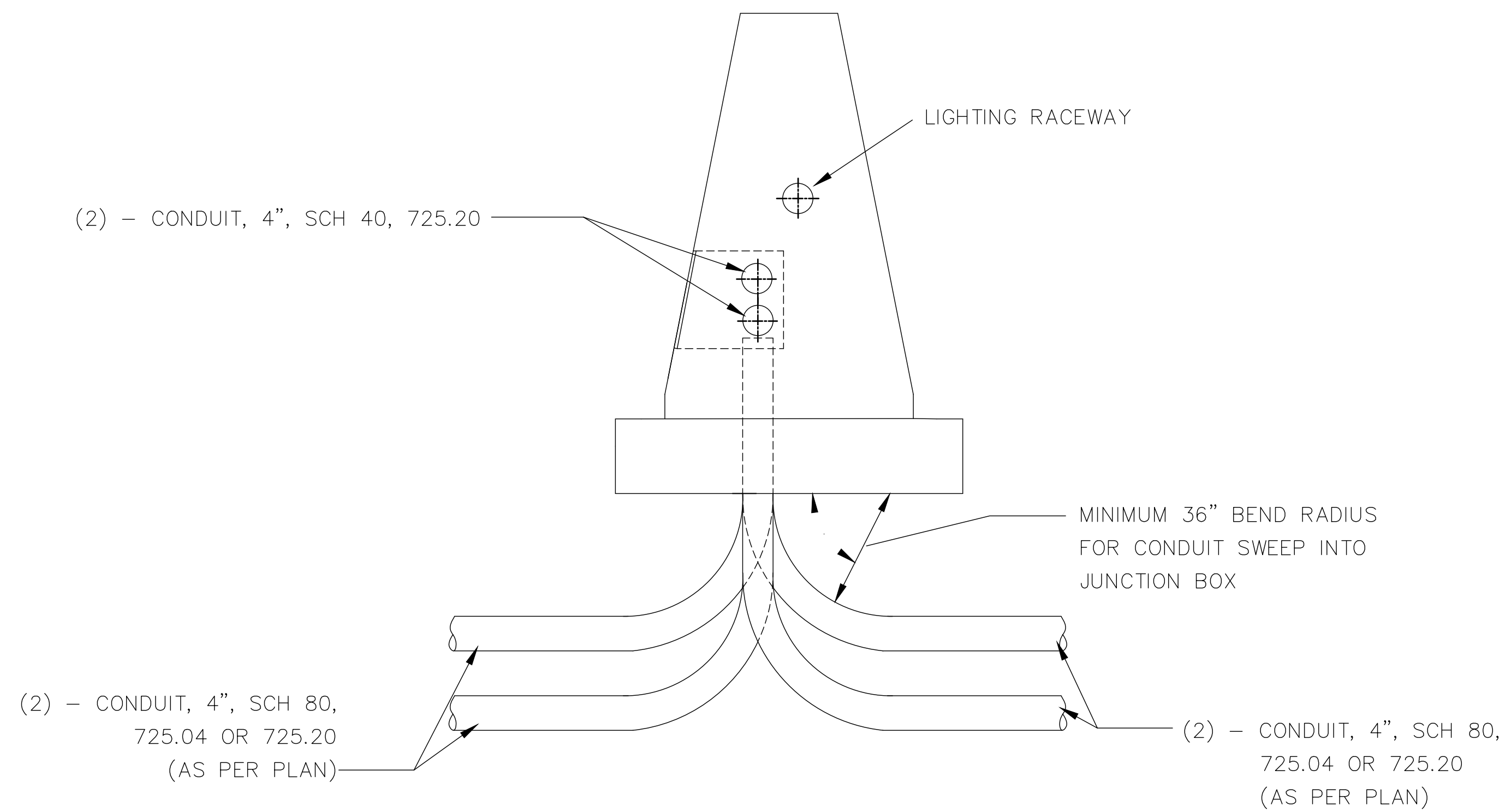
SEE SHEET 576 FOR PLAN SHEET



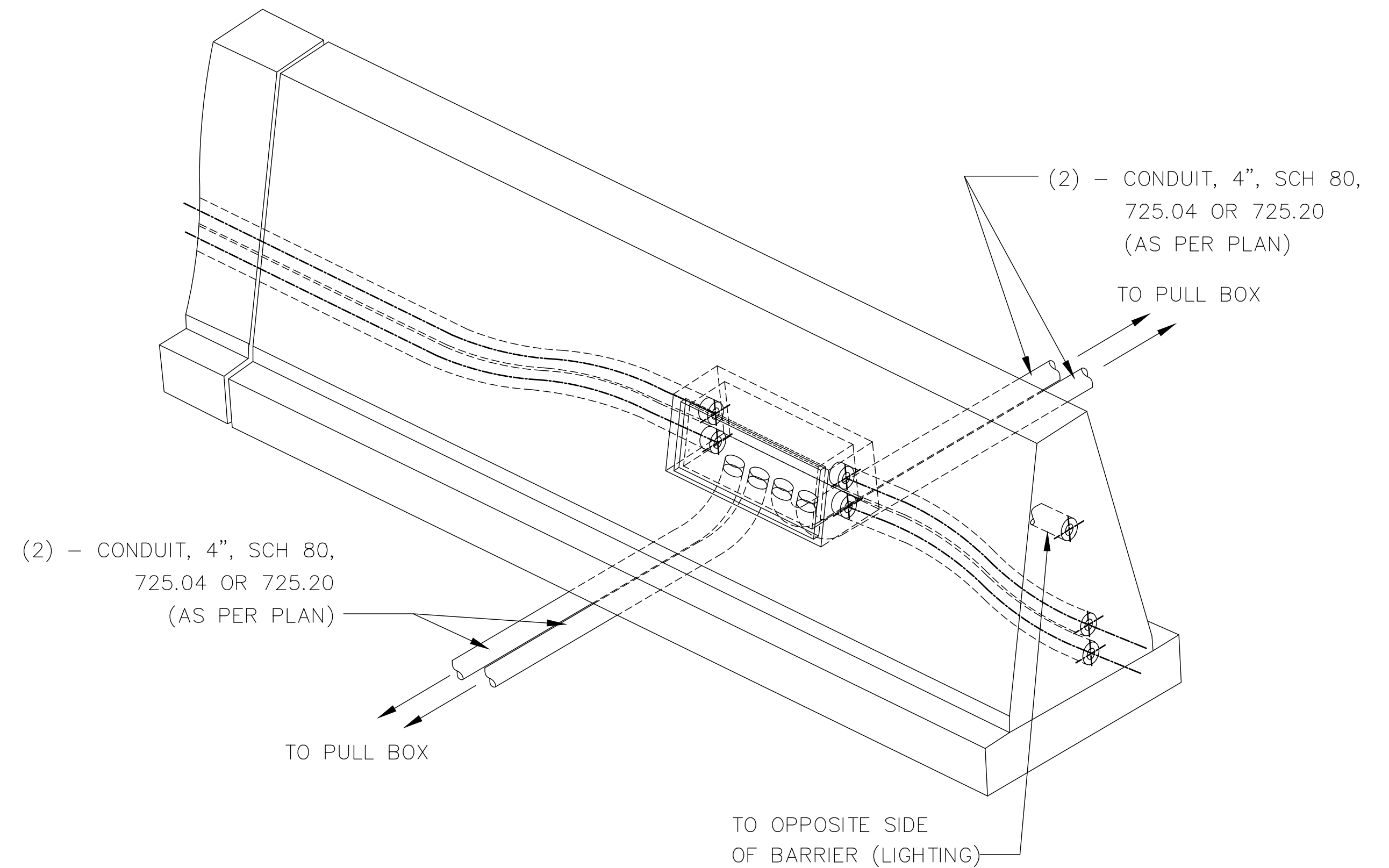




J:\Jobs\60135\TECHPROD\Sheets\ST-CTSS\_002\_Detail3.dwg -- MEDIAN BARRIER WALL JUNCTION BOX layout -- last saved by: sdhwy 07/29/2016 02:59pm -- printed 03/18/2020 04:02pm



36" MEDIAN JUNCTION BOX, AS PER PLAN



NOTES

COST OF REFINISHING AROUND BOX IS INCIDENTAL TO THE COST OF BARRIER WALL JUNCTION BOX INSTALLATION

ITEM 625E MEDIAN JUNCTION BOX, AS PER PLAN

THE CONTRACTOR SHALL SUPPLY A PULL BOX THAT MEETS THE FOLLOWING SPECIFICATIONS:

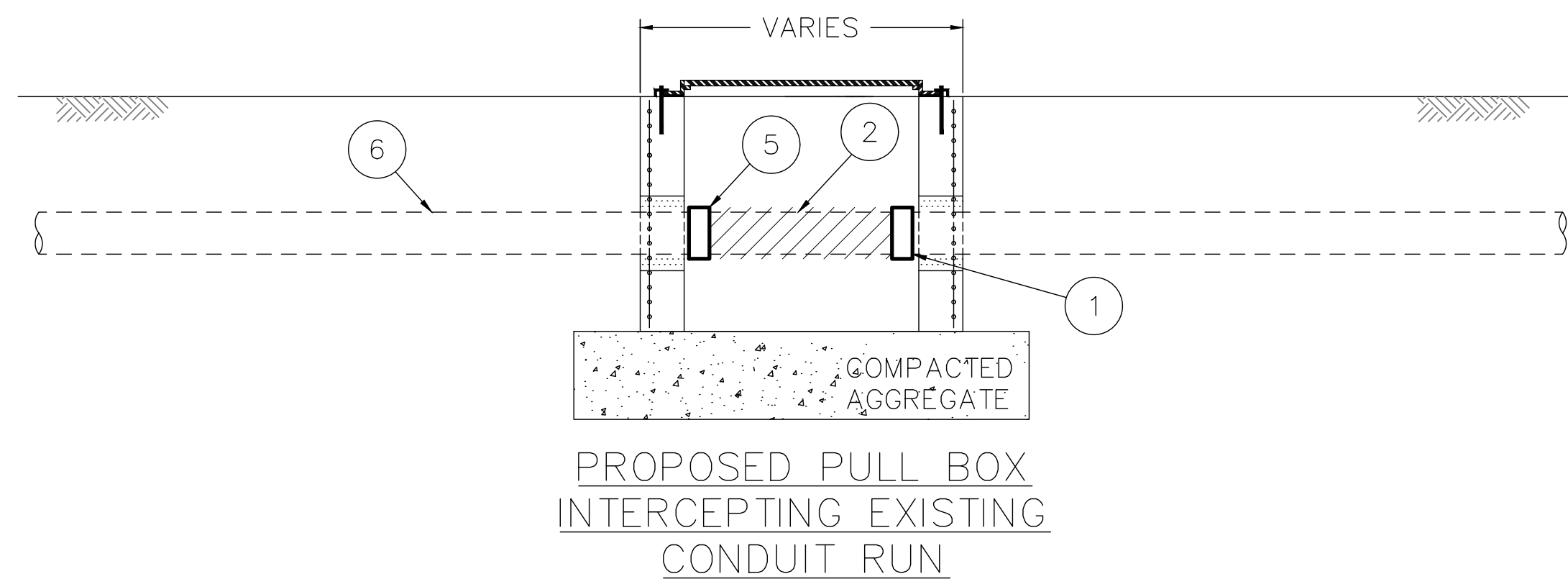
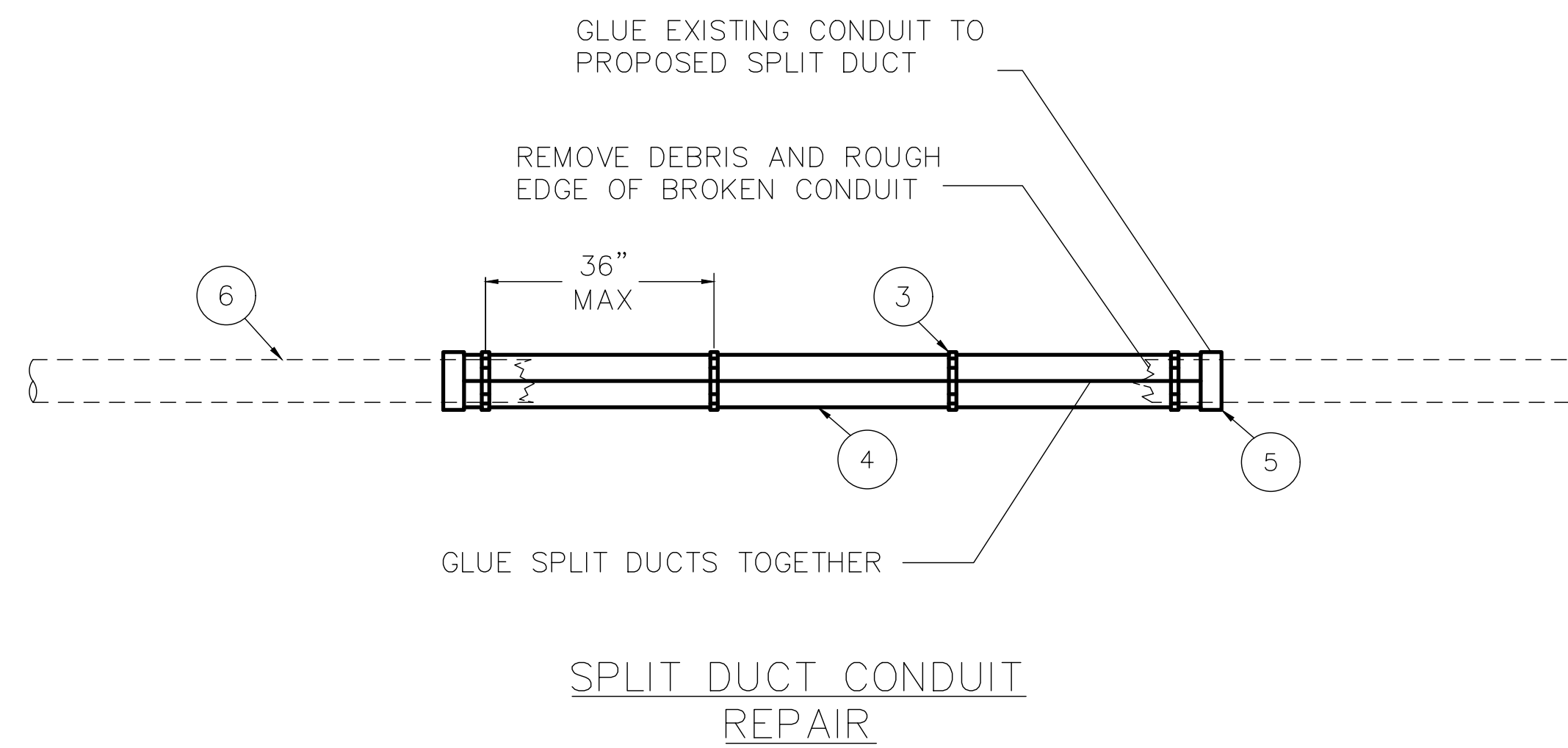
SHALL BE OF TYPE POLYMER-CONCRETE AND SHALL MEET THE FOLLOWING SPECIFICATIONS:

SIZE: 17 INCHES (HEIGHT) X 30 INCHES (LENGTH)  
MINIMUM WALL THICKNESS: 1/2 INCH  
MINIMUM LID THICKNESS: 2 INCHES  
ANSI TIER 22 RATING WITH A MINIMUM DESIGN LOAD OF 22,000 POUNDS

LID SHALL BE MARKED "TRAFFIC"

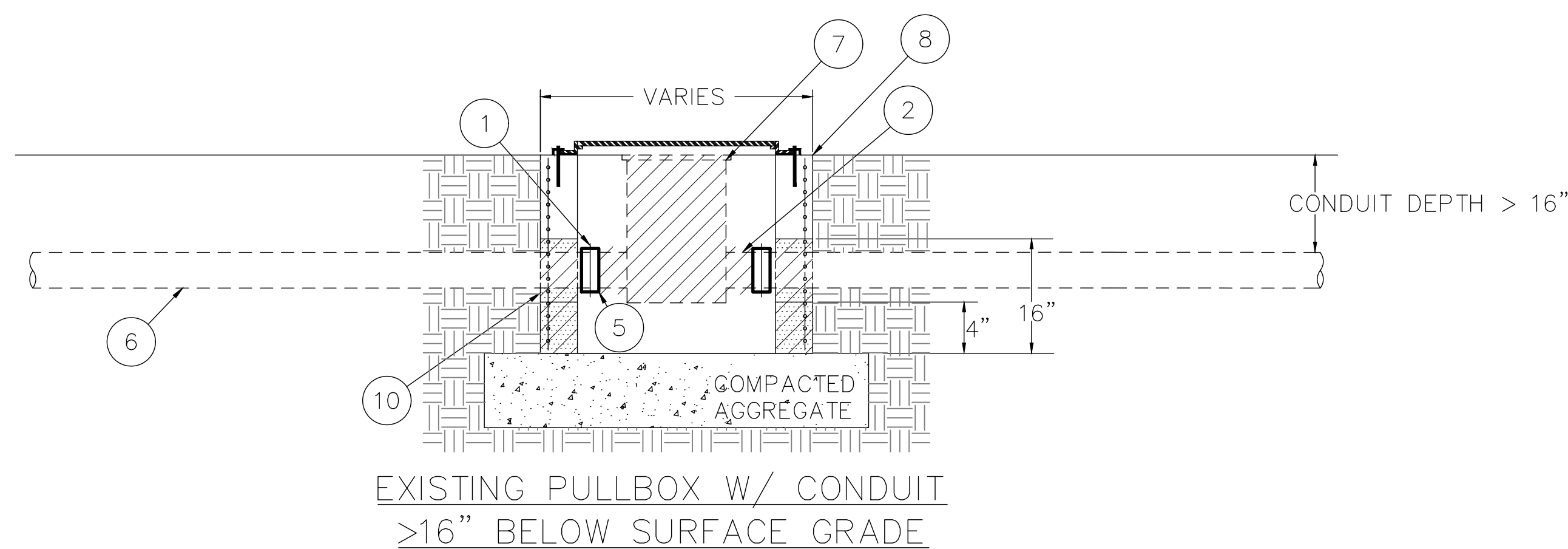
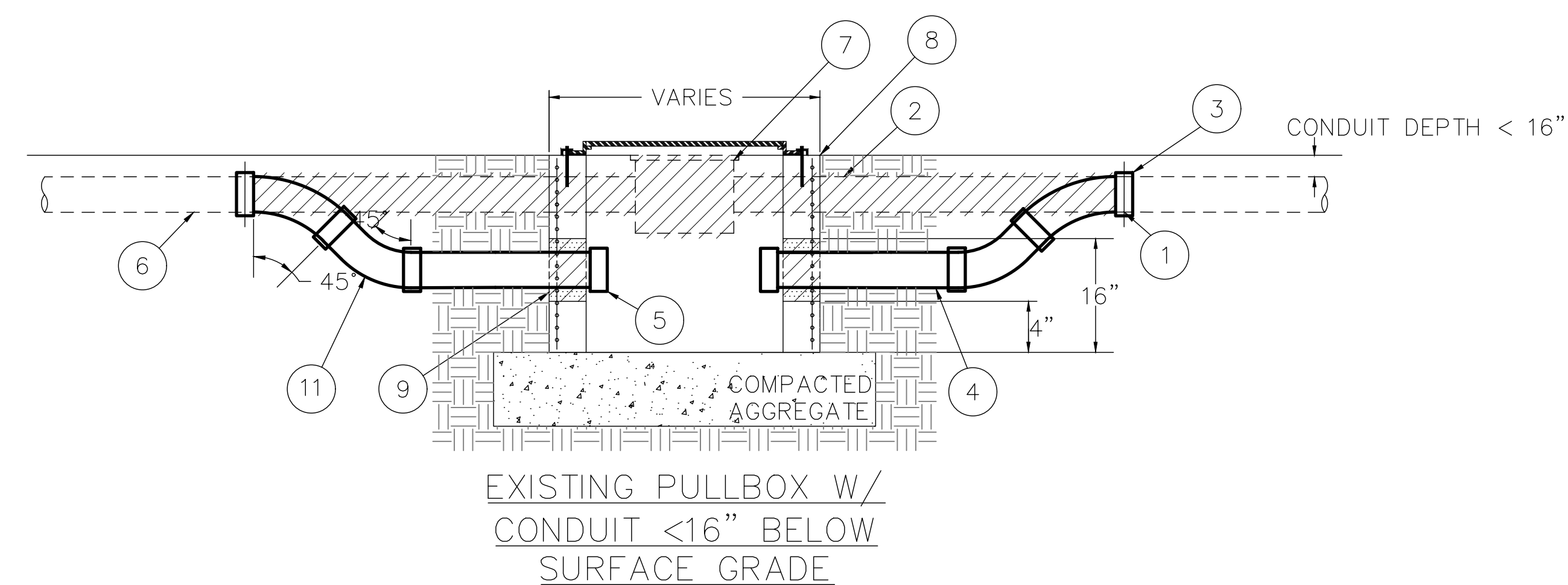
THE MEDIAN JUNCTION BOX SHALL BE SECURED IN THE MEDIAN BARRIER WALL USING DOWELS. (NON-SHRINK GROUT MAY BE USED WHEN NECESSARY)





- 1 CUT EXISTING CONDUIT
- 2 REMOVE EXISTING CONDUIT
- 3 CLAMP
- 4 PROPOSED SPLIT DUCT CONDUIT
- 5 CONDUIT BUSHING
- 6 EXISTING CONDUIT

\* USE SPLIT DUCT CONDUIT AND BUSHINGS AS DIRECTED BY THE ENGINEER.



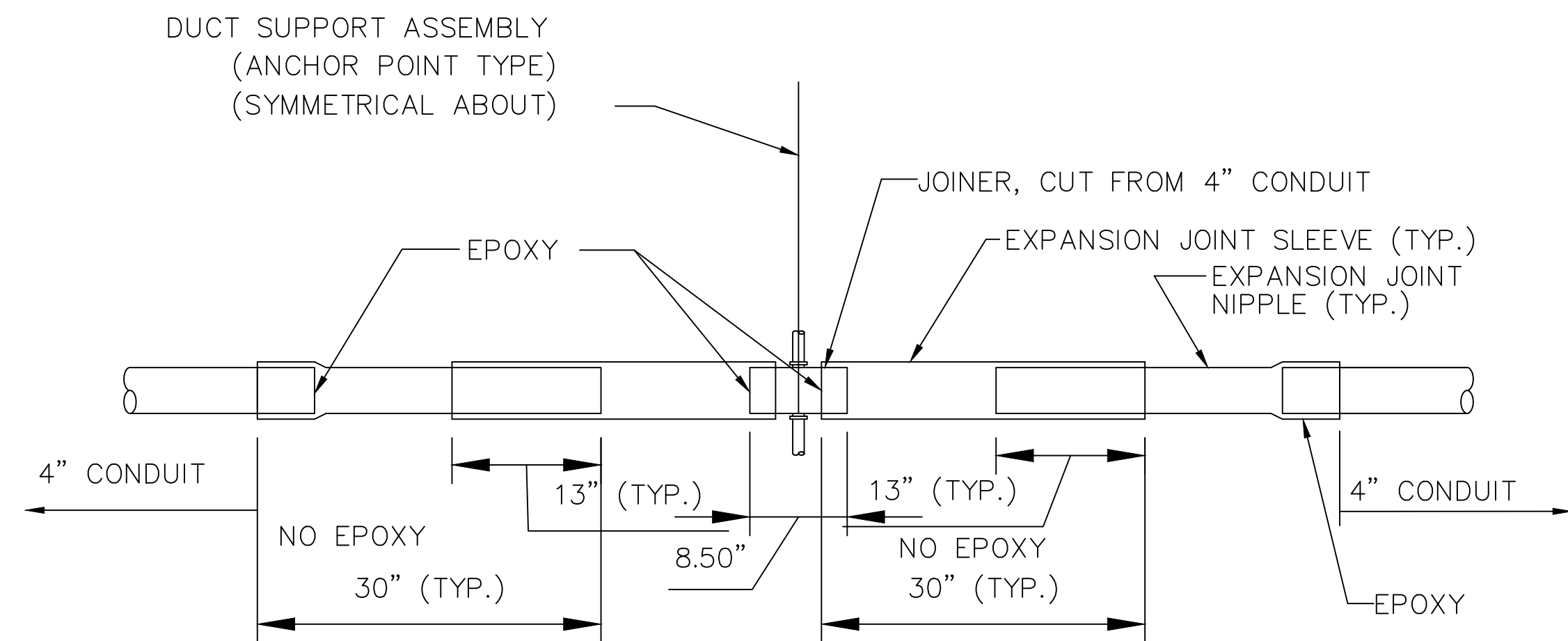
- 1 CUT EXISTING CONDUIT
- 2 REMOVE EXISTING CONDUIT
- 3 CONDUIT COUPLER
- 4 PROPOSED CONDUIT
- 5 CONDUIT BUSHING
- 6 EXISTING CONDUIT
- 7 REMOVE EXISTING PULLBOX
- 8 PROPOSED PULLBOX
- 9 REMOVE KNOCKOUT, INSERT CONDUIT, SEAL AROUND CONDUIT W/ MORTAR, COMPLETELY FILLING KNOCKOUT HOLE
- 10 REMOVE KNOCKOUT, LOWER PB OVER CONDUIT, SEAL AROUND CONDUIT W/ MORTAR, COMPLETELY FILLING KNOCKOUT HOLE
- 11 45 DEGREE CONDUIT ELBOW

\* USE SPLIT DUCT CONDUIT AND BUSHINGS AS DIRECTED BY THE ENGINEER.



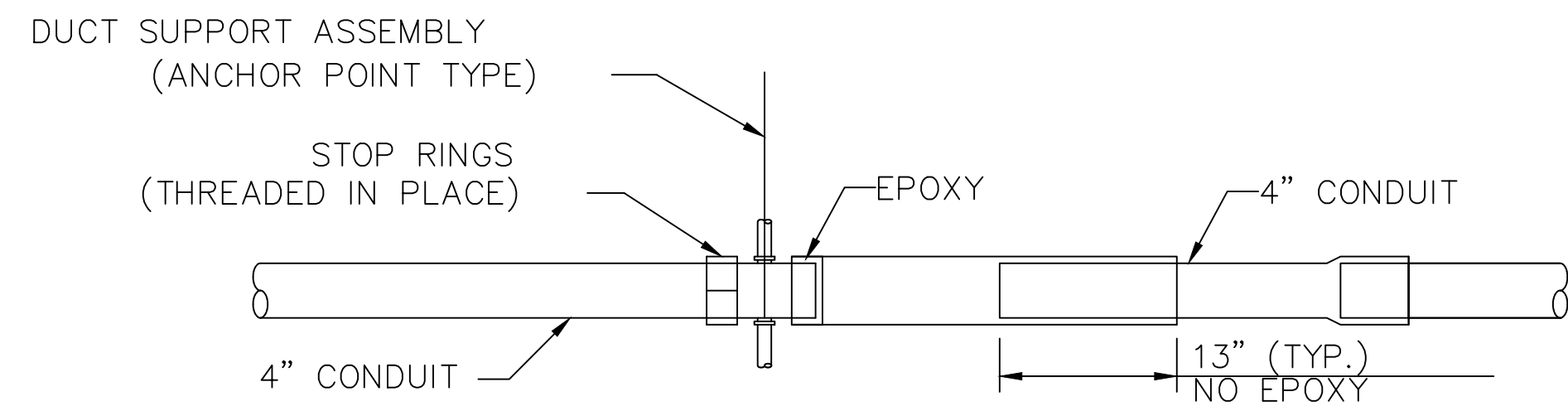


J:\Jobs\60135\TECHPROD\Sheets\ST-CTSS\_002\_Detail3.dwg -- INTERCONNECT CONDUIT ATTACHMENT layout -- last saved by gburch 09/07/2016 12:58pm -- printed 03/18/2020 04:02pm



BACK TO BACK EXPANSION JOINT DETAIL

EXPANSION JOINT EVERY 150' AND AT EACH  
RIGID ATTACHMENT -- ENDS.



COMBINATION STOP RING AND EXPANSION JOINT

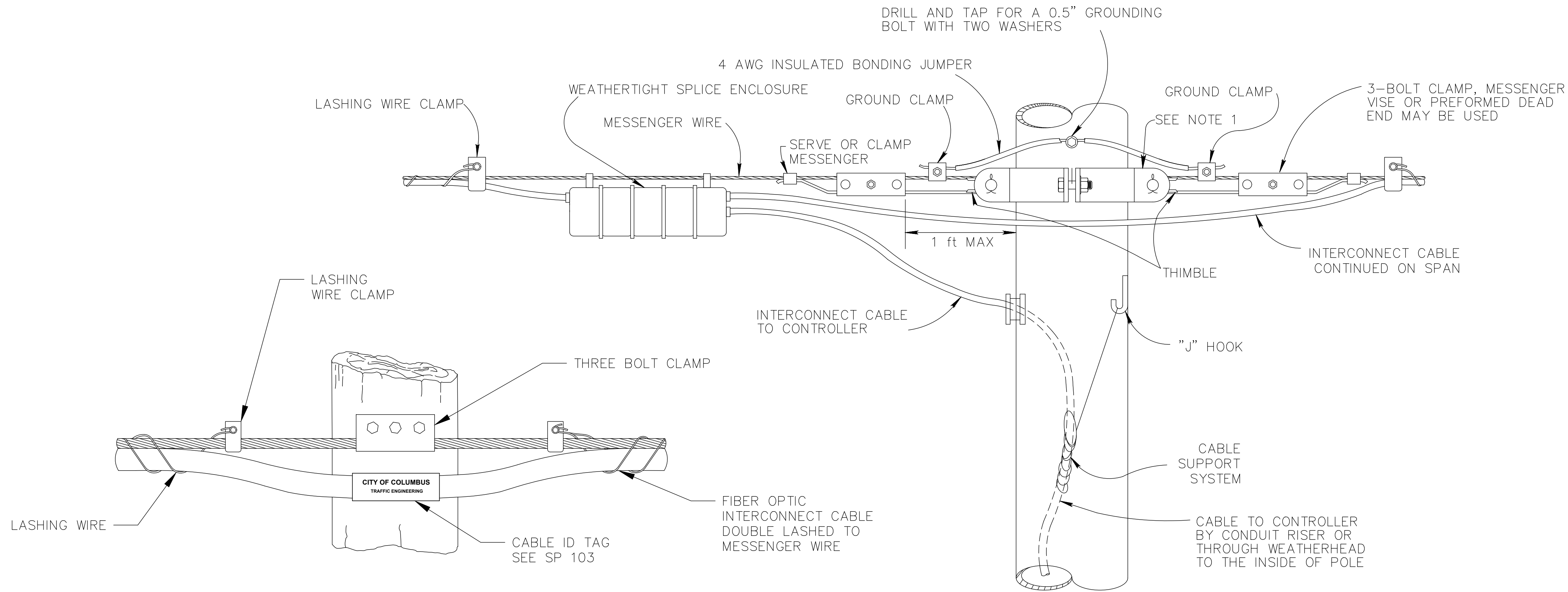


J:\Jobs\60135\TECHPROD\Sheets\ST\_CTSS\_002\_Details.dwg - MESSENGER WIRE-ATTACH DETAILS layout ~ last saved by: gburch 09/12/2016 11:34am ~ printed 03/18/2020 04:02pm

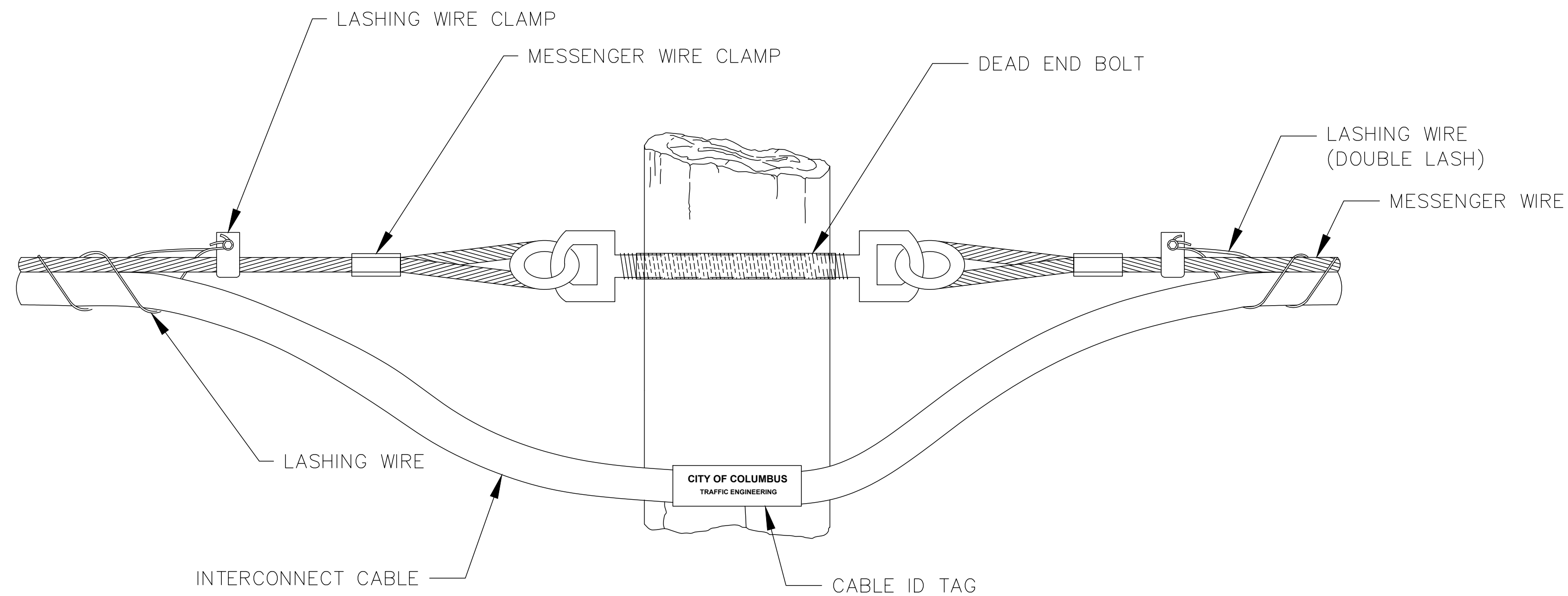


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MESSENGER WIRE WITH ACCESSORIES – THREE BOLT CLAMP – WOOD POLE



MESSENGER WIRE WITH DOUBLE DEAD END BOLT ATTACHMENTS – WOOD POLE

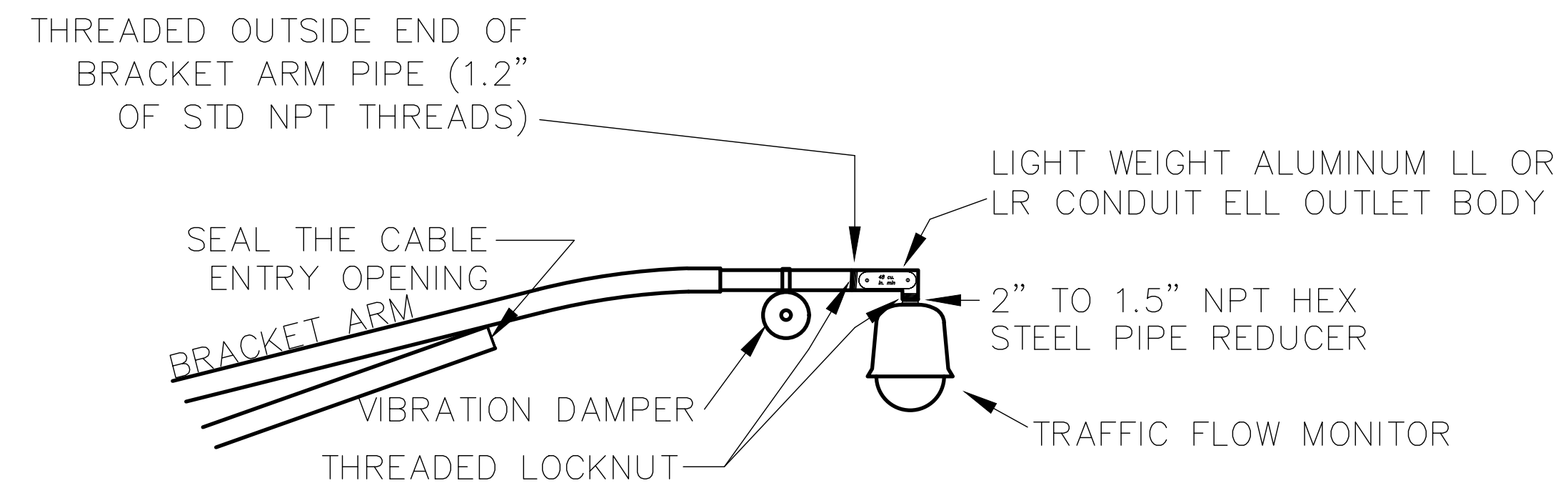
MESSENGER WIRE WITH ACCESSORIES – STRAIN POLE

NOTES

1. MESSENGER WIRE POLE ATTACHMENT SHALL BE BY A POLE CLAMP ON STEEL POLES AND BE A 0.625 INCH THRU-BOLT (OR THIMBLE-EYE BOLT) WITH WASHERS ON WOOD POLES.
2. THE INTERCONNECT CABLE SHALL HAVE A SAG BETWEEN APPROXIMATELY 1.5% OR MATCH EXISTING UTILITY LINES.
3. THE MINIMUM 3-BOLT SIZE GALVANIZED CLAMP SHALL BE 6 INCHES LONG WITH 0.5 INCH DIAMETER BOLTS. PERFORMED GUY GRIPS SHALL NOT BE USED TO ATTACH THE MESSENGER WIRE TO THE SIGNAL POLES. THEIR USE IS LIMITED TO BULLRING ATTACHMENTS.
4. THE POWER SERVICE AERIAL CABLES WITH MESSENGER WIRE AND SPLICES SHALL BE PROVIDED BY THE APPROPRIATE POWER UTILITY AS INDICATED ON THE PLANS UNLESS OTHERWISE SPECIFIED.
5. PROVIDE A CLEVIS WITH INSULATOR ATTACHED TO THE WOOD POLE BY MEANS OF A 0.625 INCH THRU-BOLT FOR ATTACHMENT OF THE UTILITY PROVIDED POWER SERVICE AERIAL CABLES WITH MESSENGER WIRE.
6. FOR ALL AERIAL SPANS CROSSING ROADWAYS, THE CONTRACTOR SHALL INSTALL MESSENGER WIRE USING A DOUBLE DEAD END BOLT ASSEMBLY ON BOTH ENDS OF THE MESSENGER WIRE IN PLACE OF A POLE CLAMPS.
7. THIS METHOD OF ENTERING STRAIN POLE IS APPLICABLE ONLY TO LOOSE BUFFER TUBE CABLES WITH 24 FIBER STRANDS OR LESS. INSTALLER MUST ENSURE MINIMUM LOADED BEND RADII OF CABLES ARE NOT EXCEEDED DURING INSTALLATION.



RUN THE TRAFFIC FLOW MONITOR CABLE IN THE TOP ARM BRACKET.



ALL MOUNTING HARDWARE  
COLOR COATED TO MATCH  
BRACKET ARM COLOR.

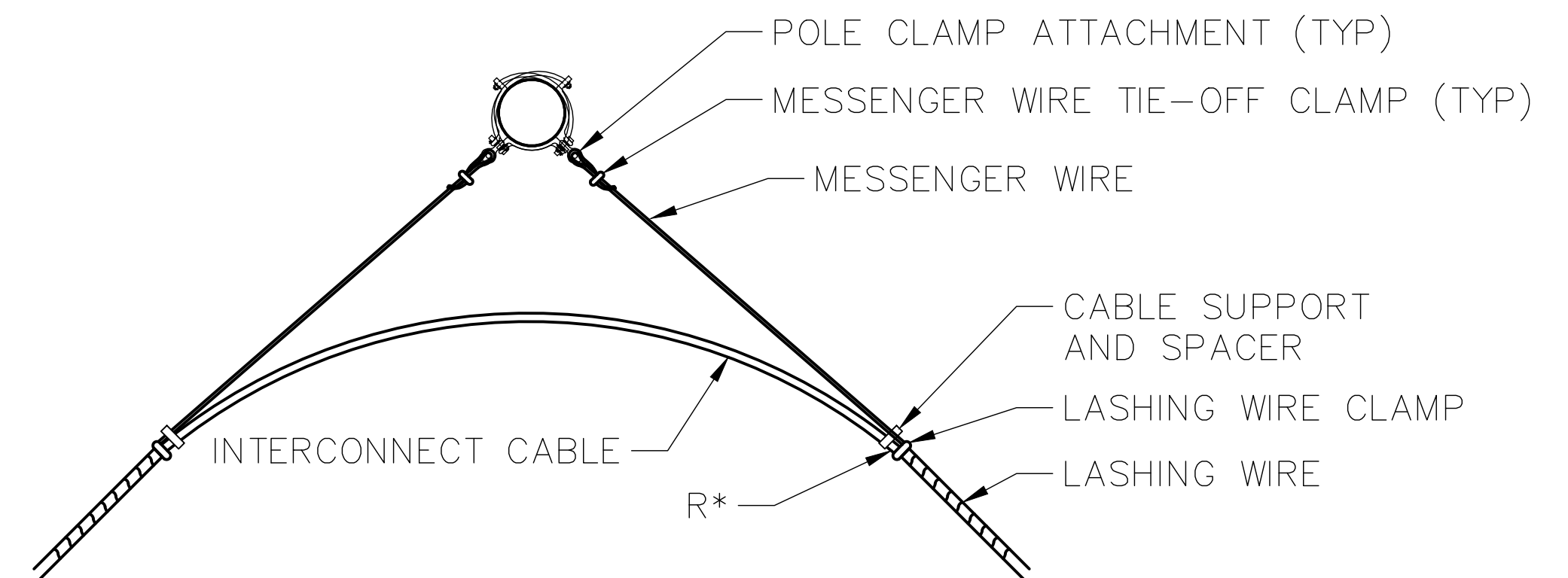
LL/LR CONDUIT ELL SPECS

- THREADED BODY (NPT) WITH NON-CORROSIVE HARDWARE
- 48 CU." INTERIOR AREA
- FLAT COVER WITH SOLID NEOPRENE GASKET
- COVER OPENING – 6" X 2.4"
- LIGHT WEIGHT ALUMINUM BODY
- PROVIDE #10 RUBBER STOPPER FOR OUTGOING CABLE; ENLARGE STOPPER HOLE AS NEEDED JUST ENOUGH TO FIT CABLE DIAMETER

NOTES

- REFER TO CSD 4110 FOR BRACKET ARM DETAILS.
- REFER TO CSD 4122 FOR VIBRATION DAMPENER DETAILS.

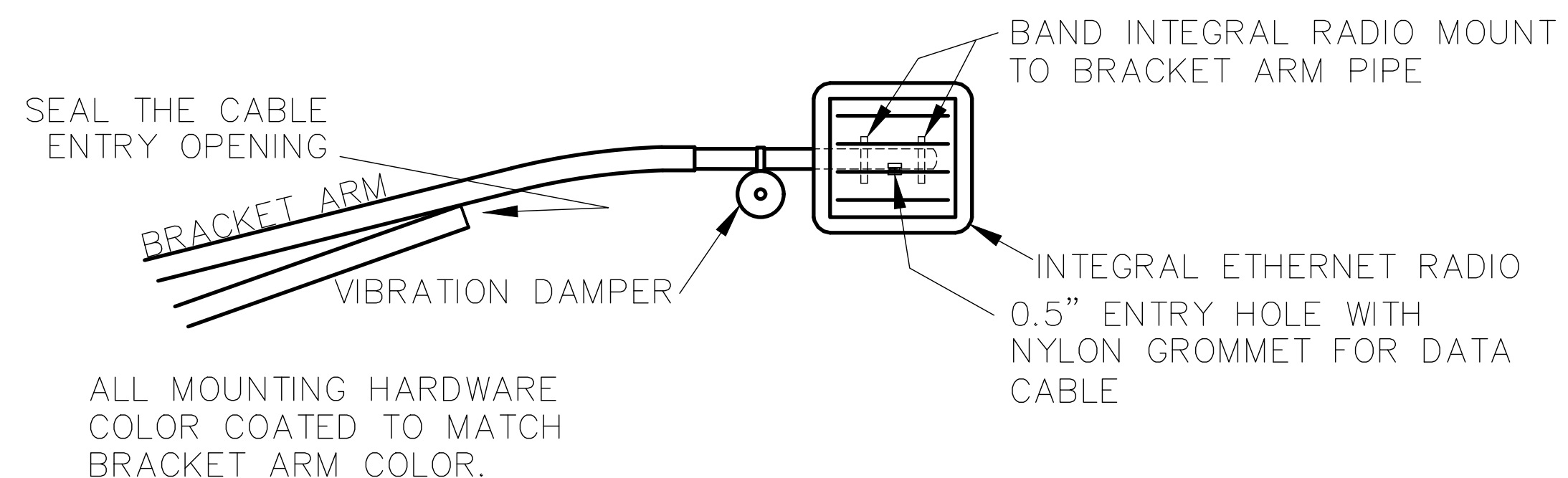
TRAFFIC FLOW MONITOR  
MOUNTING PROCEDURE  
NOT TO SCALE



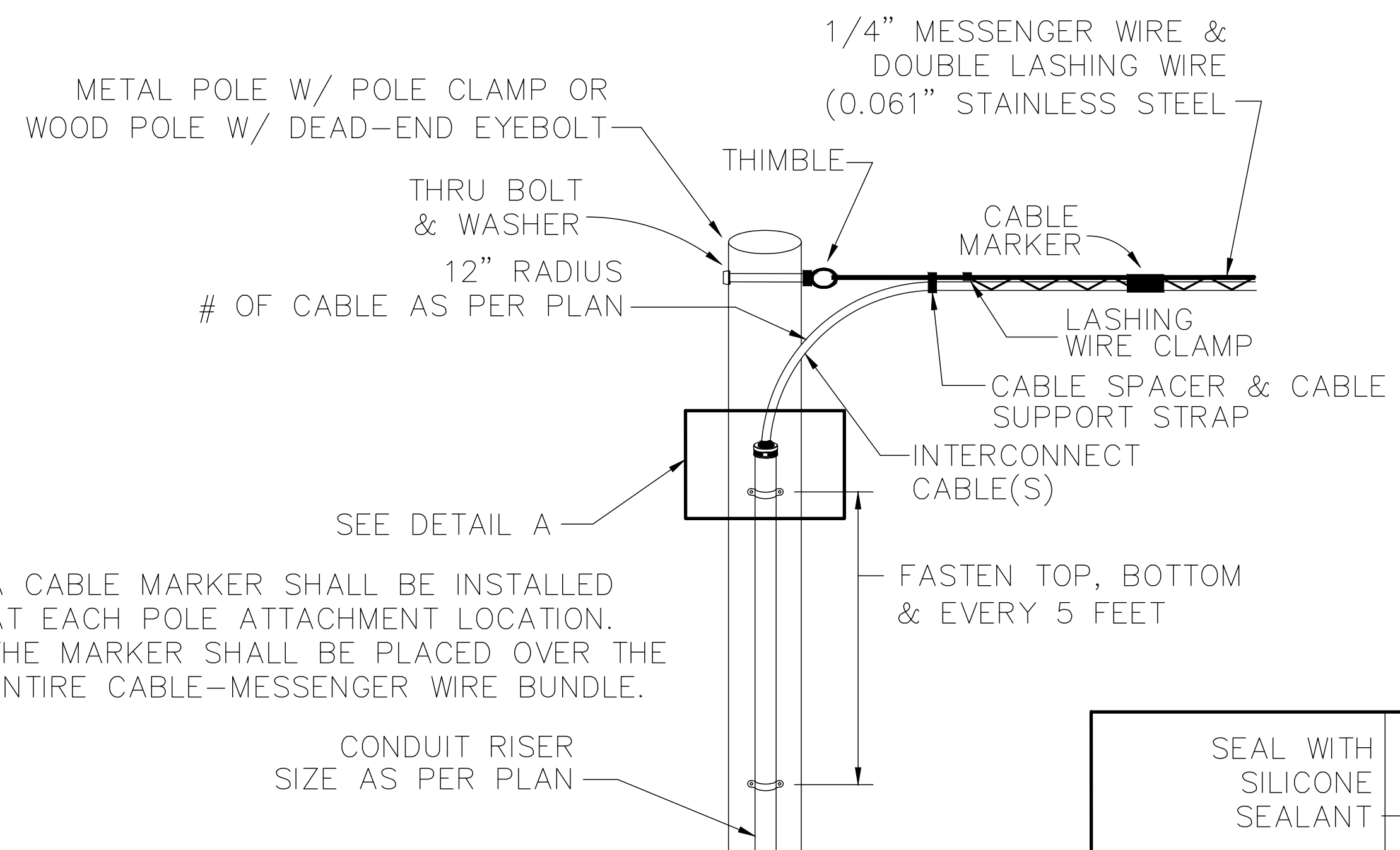
R\* – DO NOT EXCEED MINIMUM  
BENDING RADIUS OF INTERCONNECT  
CABLE. REFER TO SP-103 FOR  
MINIMUM BENDING RADIUS VALUES.

CABLE BEND AT STRAIN POLE  
NOT TO SCALE

RUN THE INTEGRAL ETHERNET RADIO CABLE IN THE TOP ARM BRACKET.

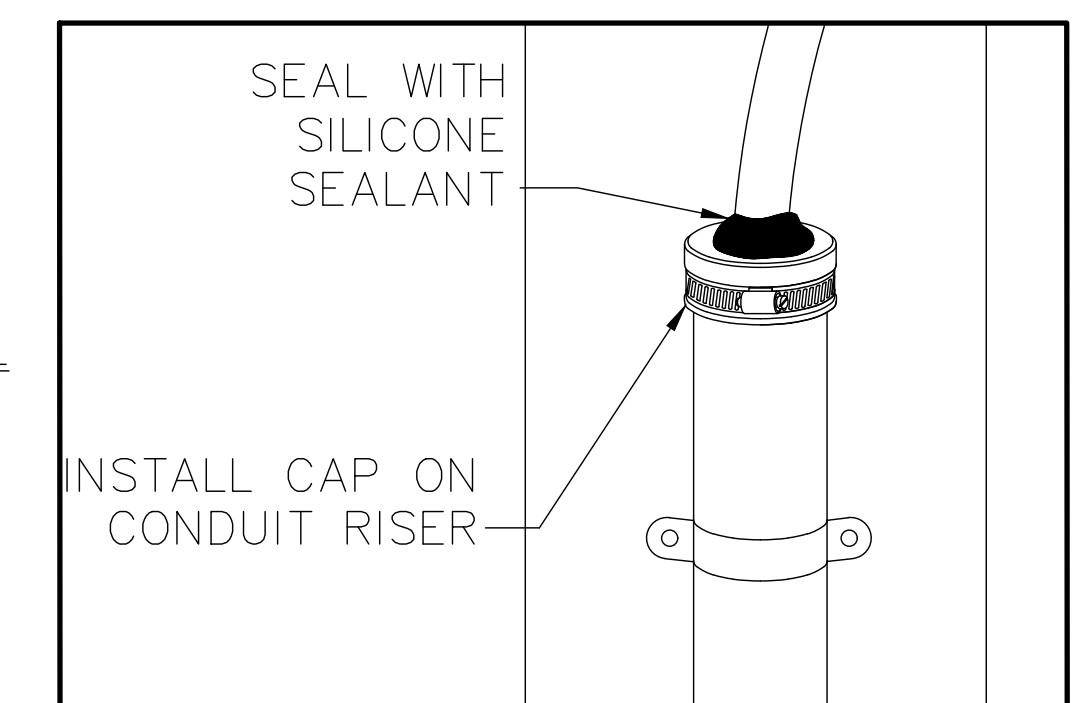


INTEGRAL ETHERNET RADIO  
MOUNTING PROCEDURE  
NOT TO SCALE



A CABLE MARKER SHALL BE INSTALLED  
AT EACH POLE ATTACHMENT LOCATION.  
THE MARKER SHALL BE PLACED OVER THE  
ENTIRE CABLE-MESSENGER WIRE BUNDLE.

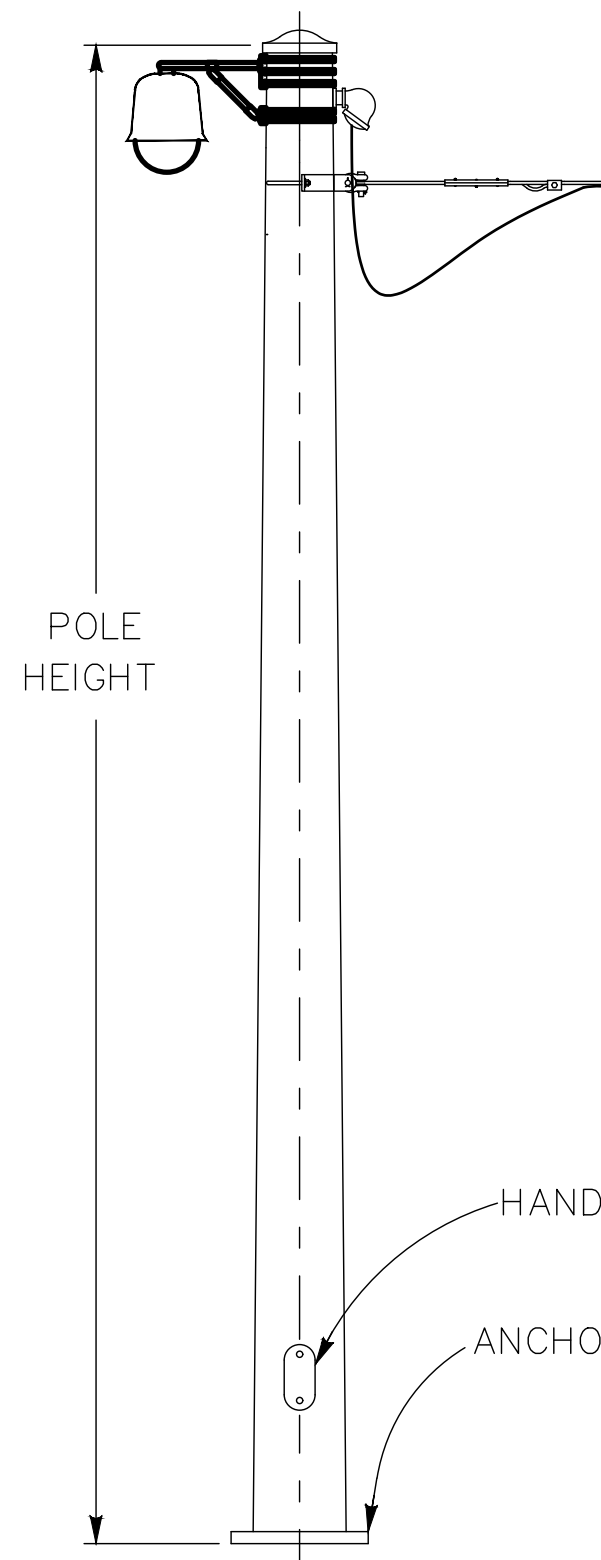
MODIFIED CONDUIT RISER DETAIL  
NOT TO SCALE



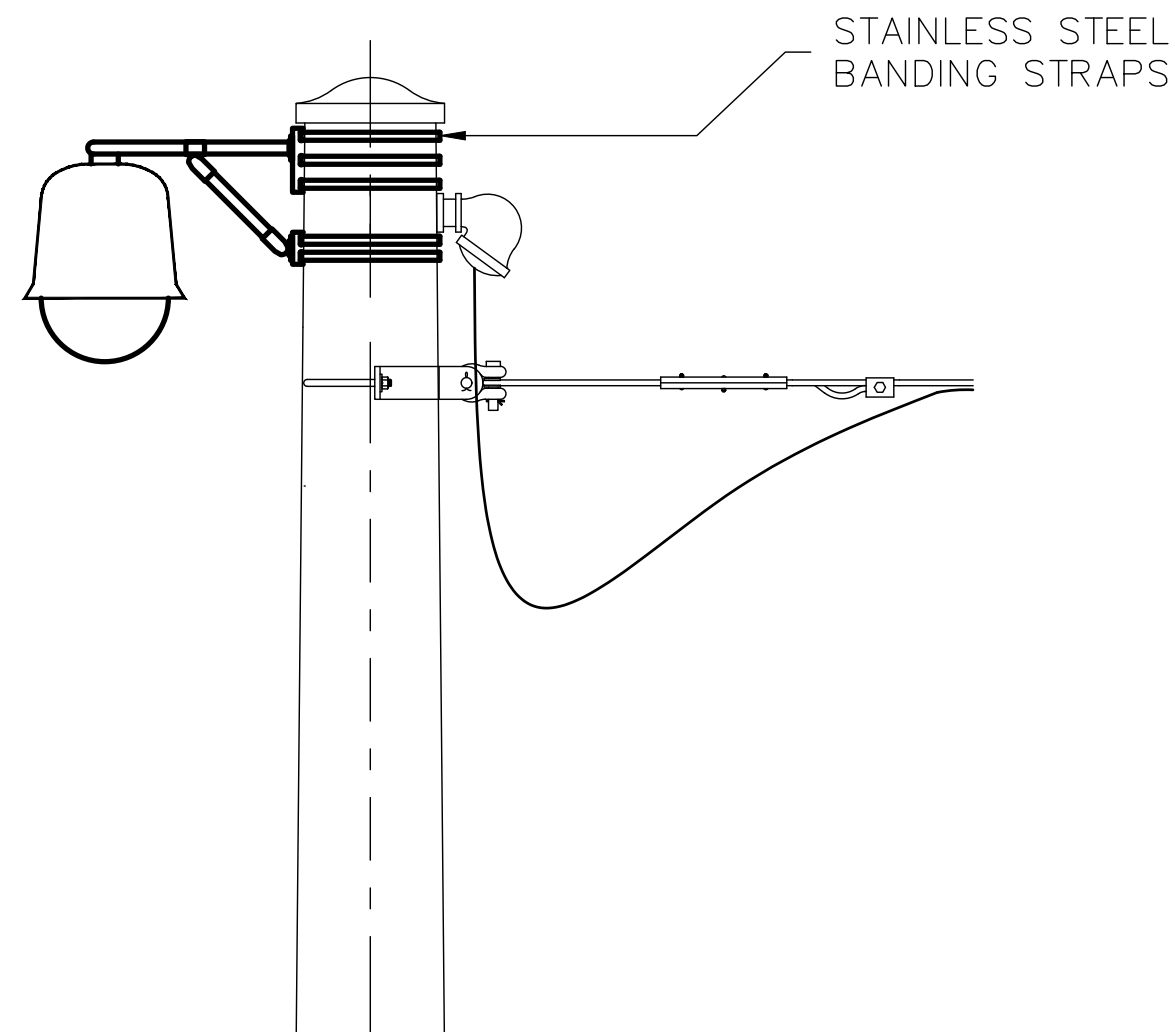
DETAIL A

3150-E

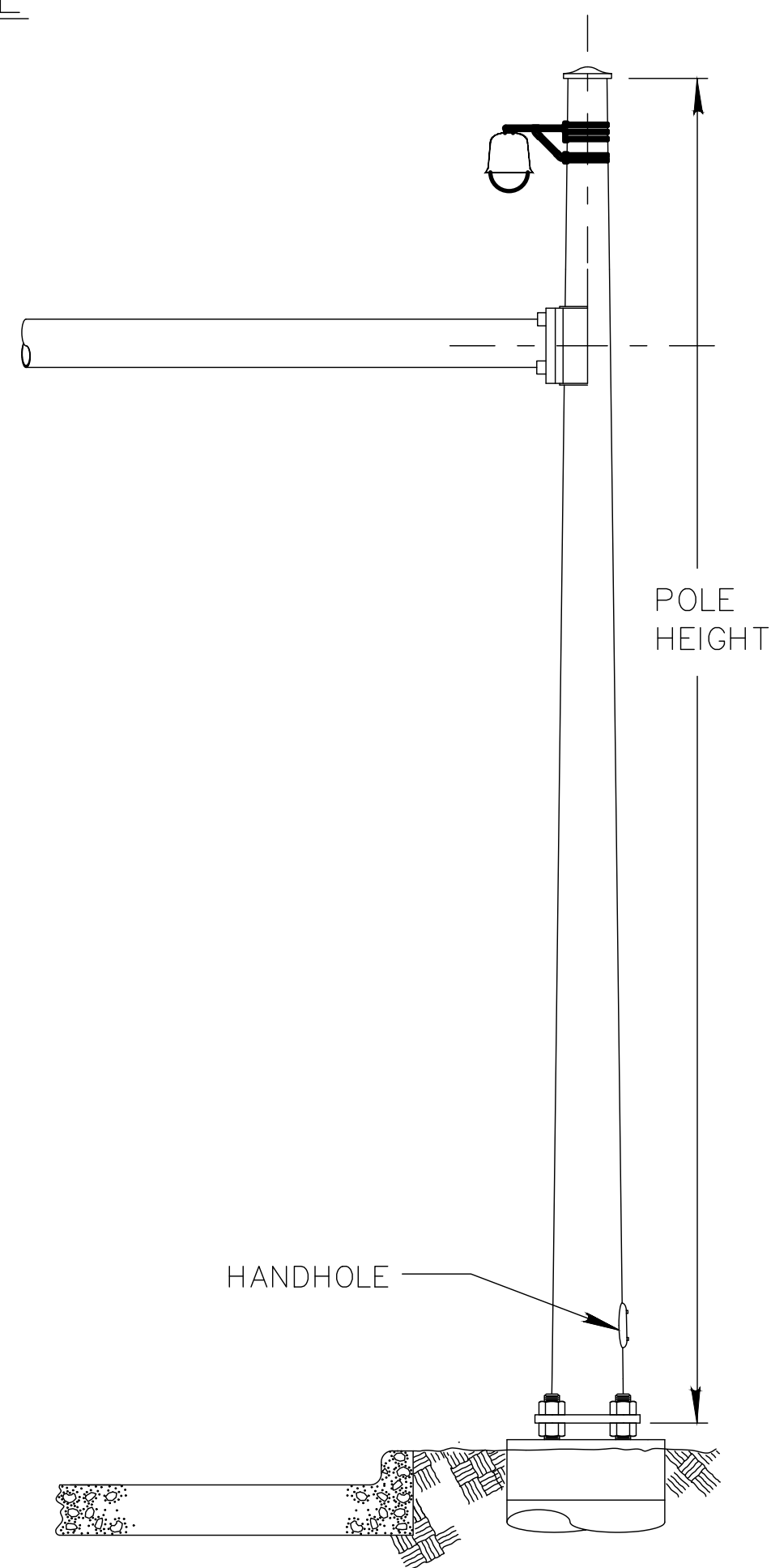




STRAIN POLE  
NOT TO SCALE



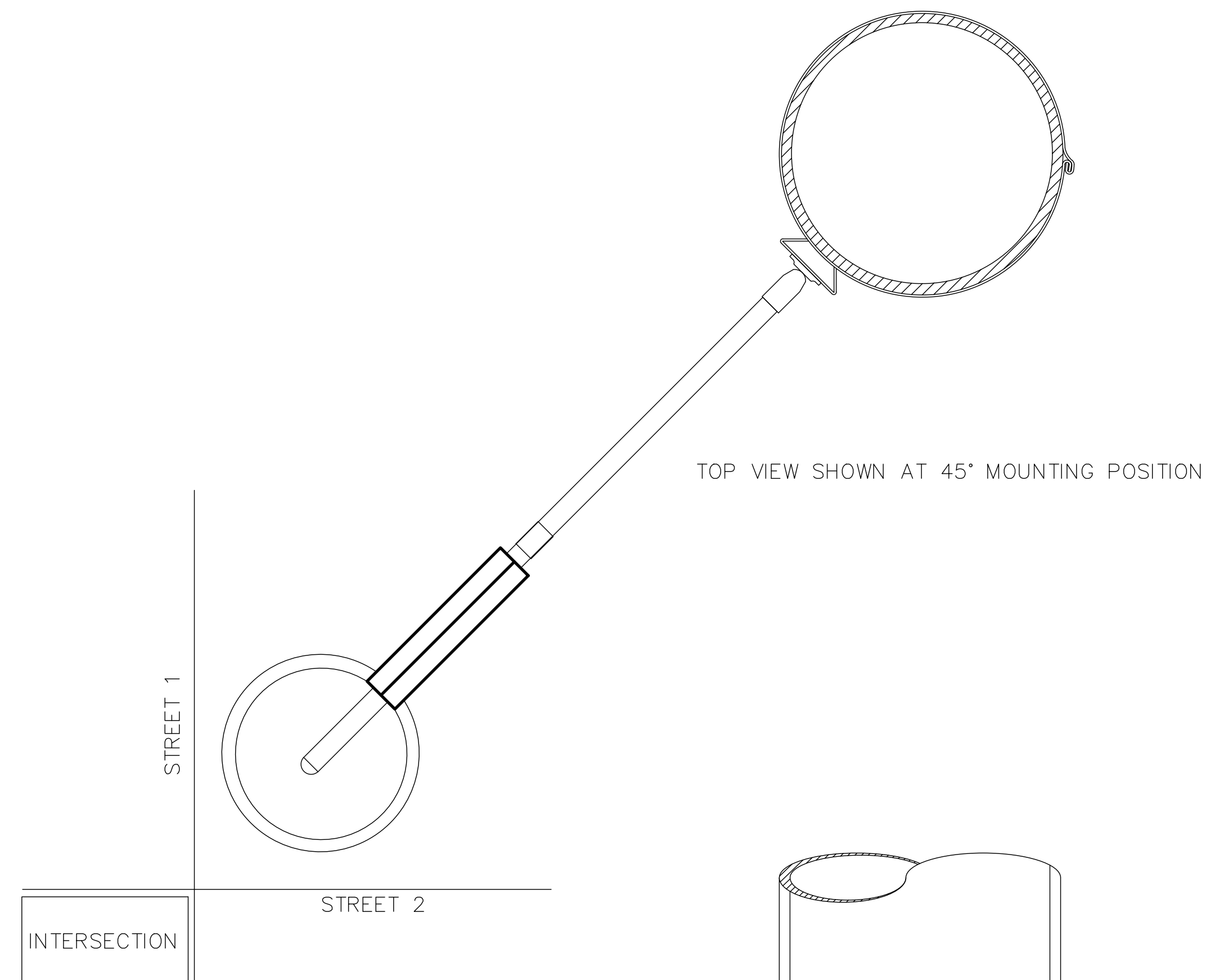
DETAIL STRAIN POLE & BRACKET  
NOT TO SCALE



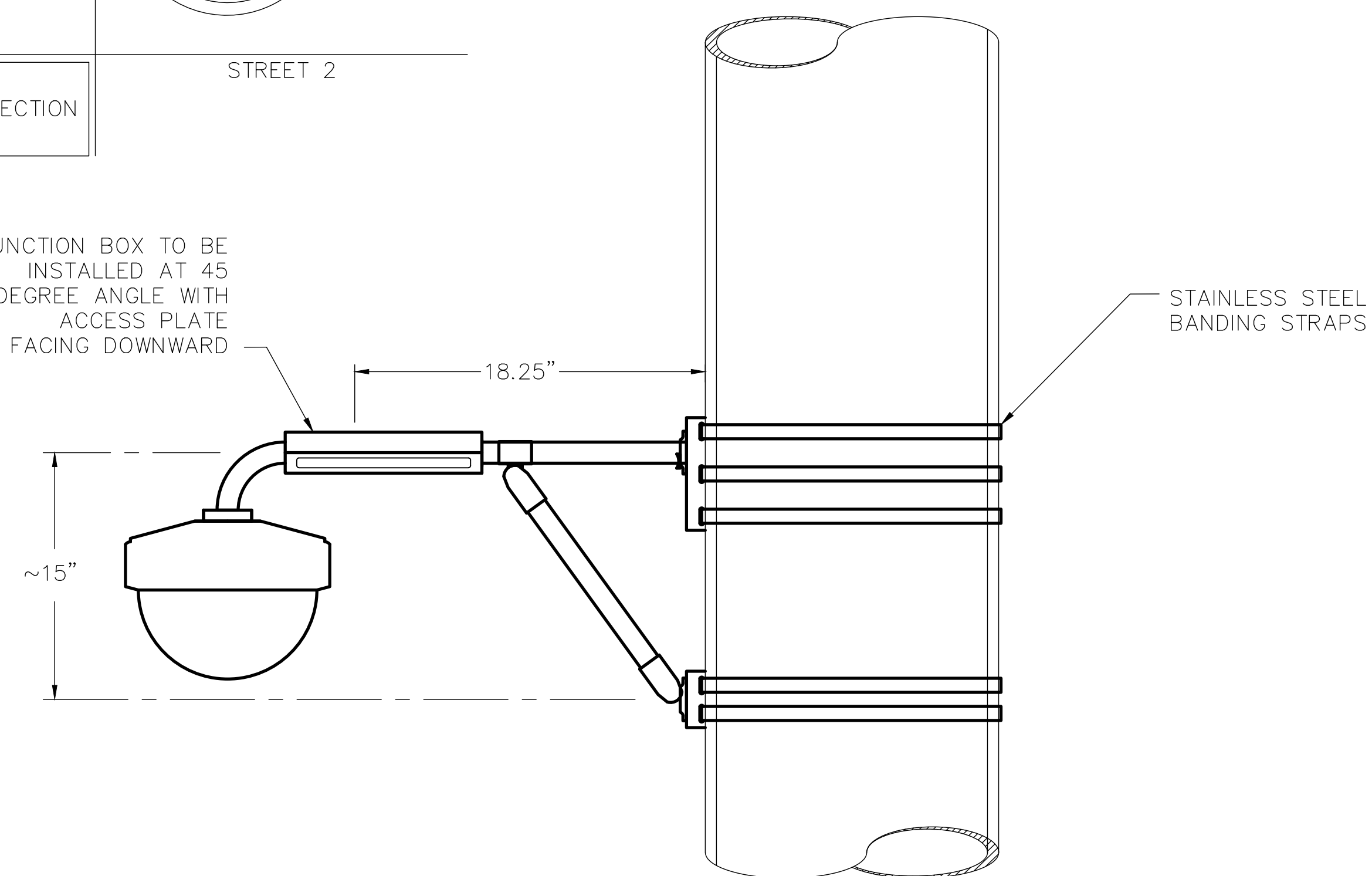
SIGNAL POLE WITH MAST ARM  
NOT TO SCALE

#### NOTES

1. CAMERA/CCTV DEVICES TO BE MOUNTED AT 45 DEGREES FROM EDGE OF PAVEMENT, OR AT THE DIRECTION OF THE ENGINEER.
2. SHALL BE CONSTRUCTED OF LIGHTWEIGHT ALUMINUM
3. ALL HARDWARE SHALL BE STAINLESS STEEL
4. SHALL BE CAPABLE OF SUPPORTING CCTV ASSEMBLY UNITS UP TO 75LBS
5. NO EXPOSED CABLES – ALL CABLING SHALL BE HIDDEN BY BRACKET ASSEMBLY
6. SHALL INCLUDE ACCESS PANEL FOR INSTALLATION
7. ALL CONNECTION POINTS SHALL BE PROPERLY SEALED TO ENSURE WEATHER PROOF CABLE PATHWAY FROM SIGNAL POLE INTO CCTV ASSEMBLY UNIT.

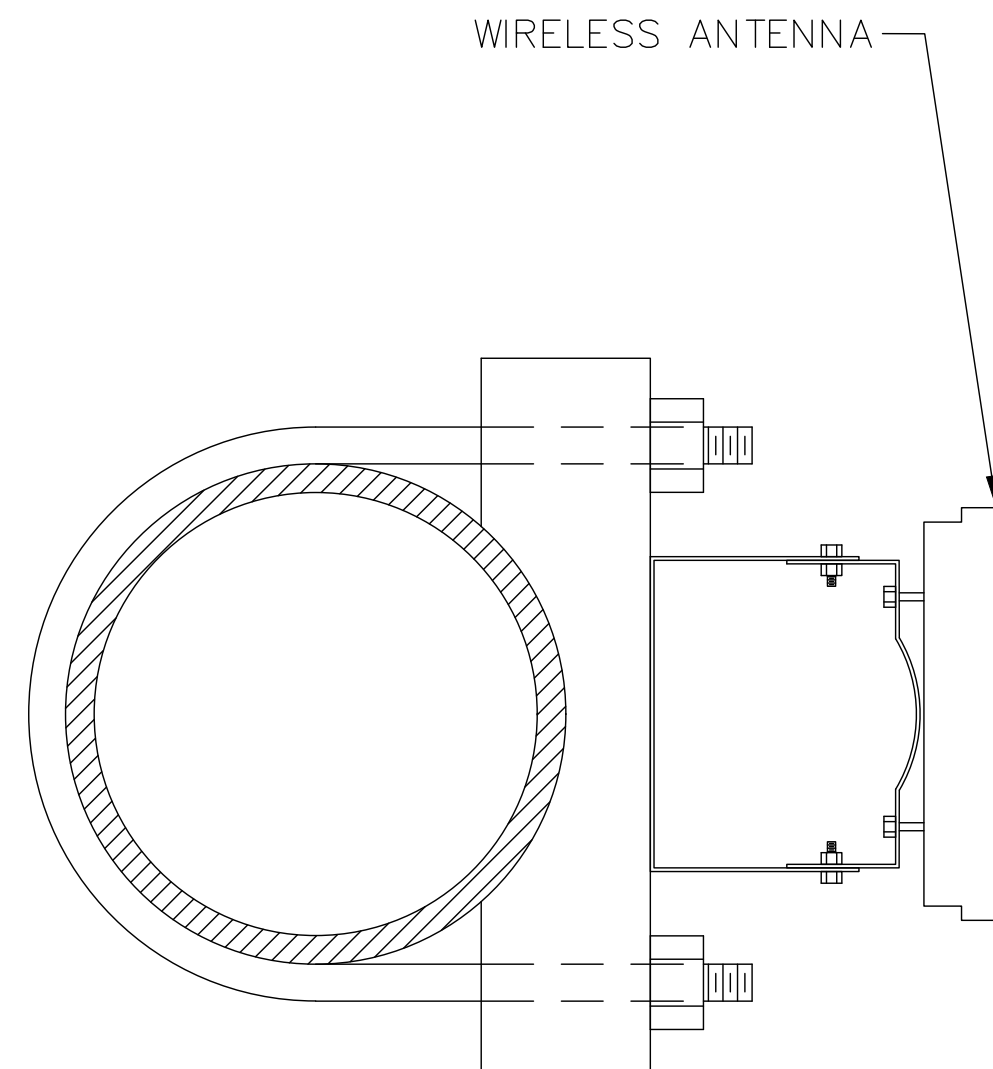


JUNCTION BOX TO BE  
INSTALLED AT 45  
DEGREE ANGLE WITH  
ACCESS PLATE  
FACING DOWNWARD

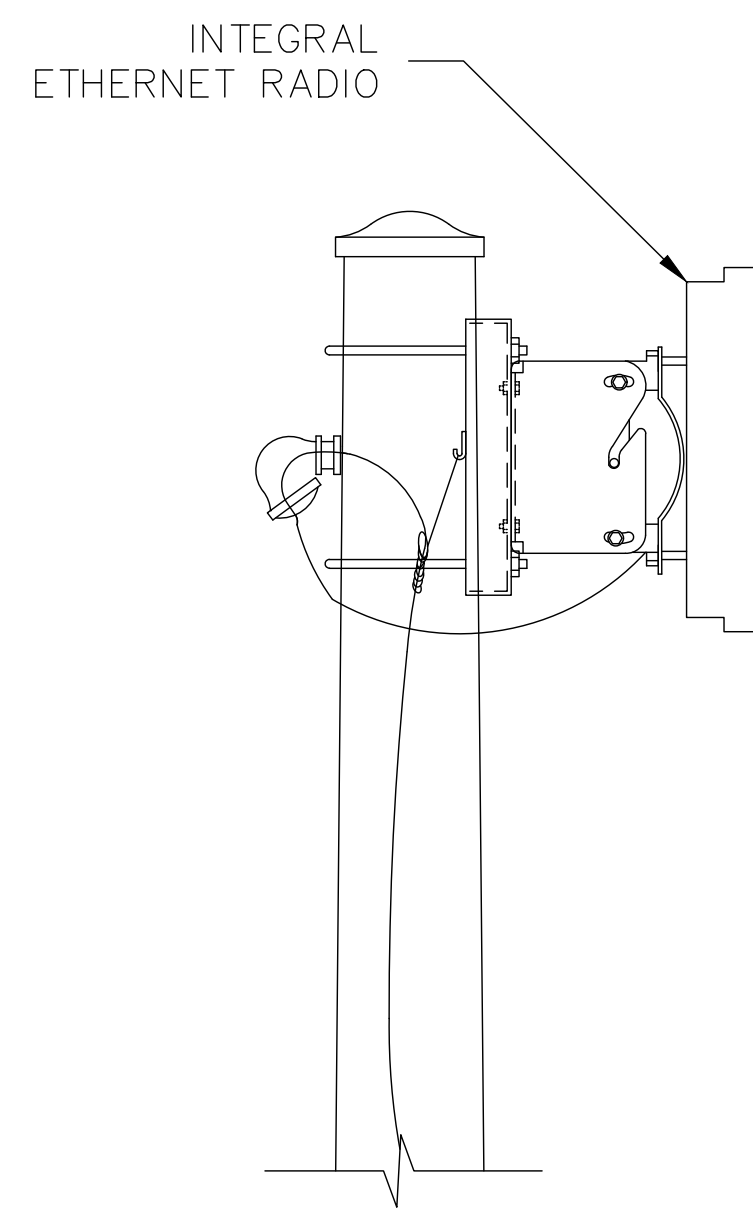


DETAIL POLE ADAPTERS & BRACKET  
NOT TO SCALE

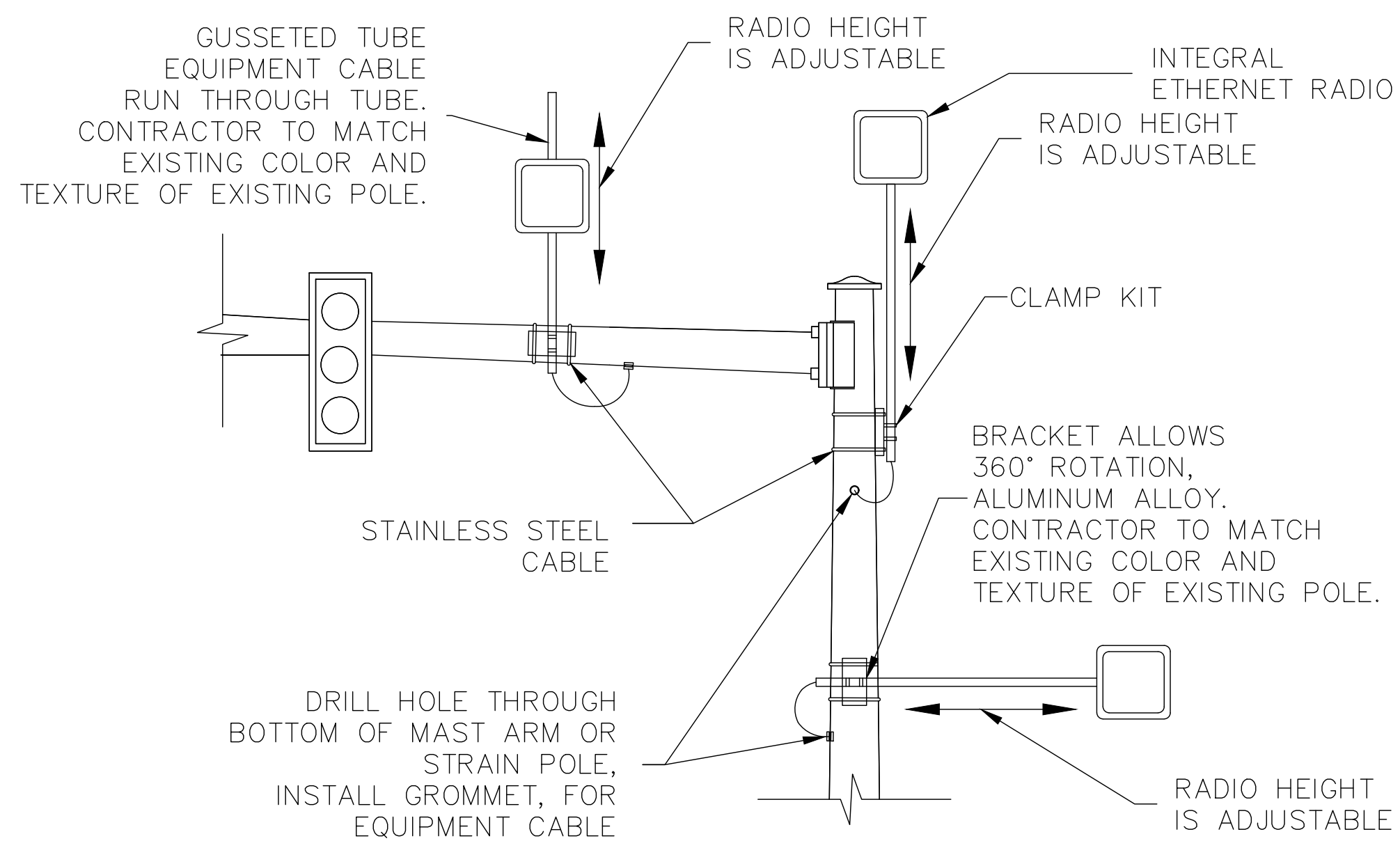




TYPICAL WIRELESS  
MOUNTING BRACKET DETAIL  
TOP VIEW

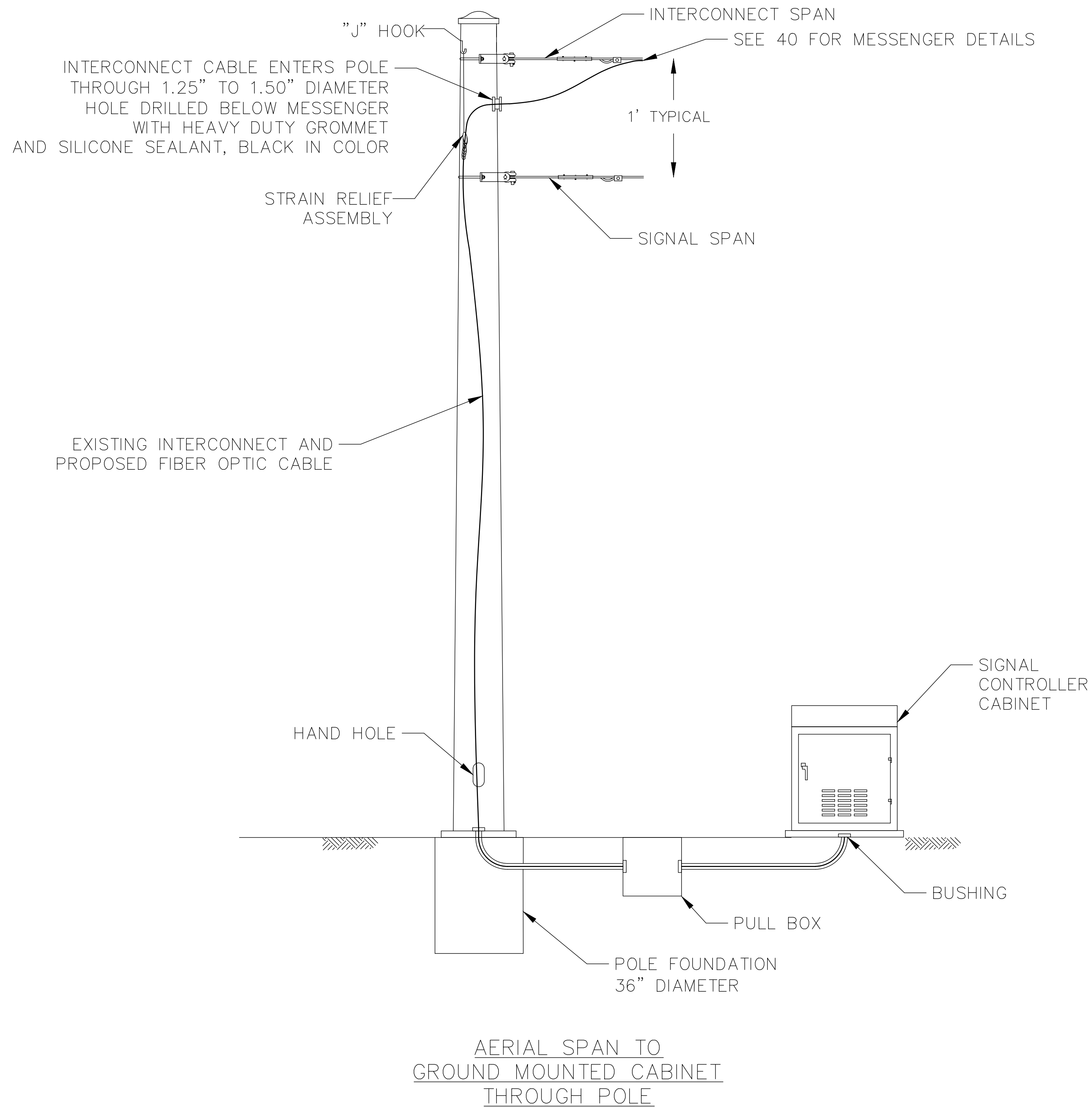


TYPICAL WIRELESS MOUNTING  
TO POLE DETAIL  
SIDE VIEW



TYPICAL WIRELESS MOUNTING  
TO POLE EXTENSION DETAIL  
FRONT VIEW





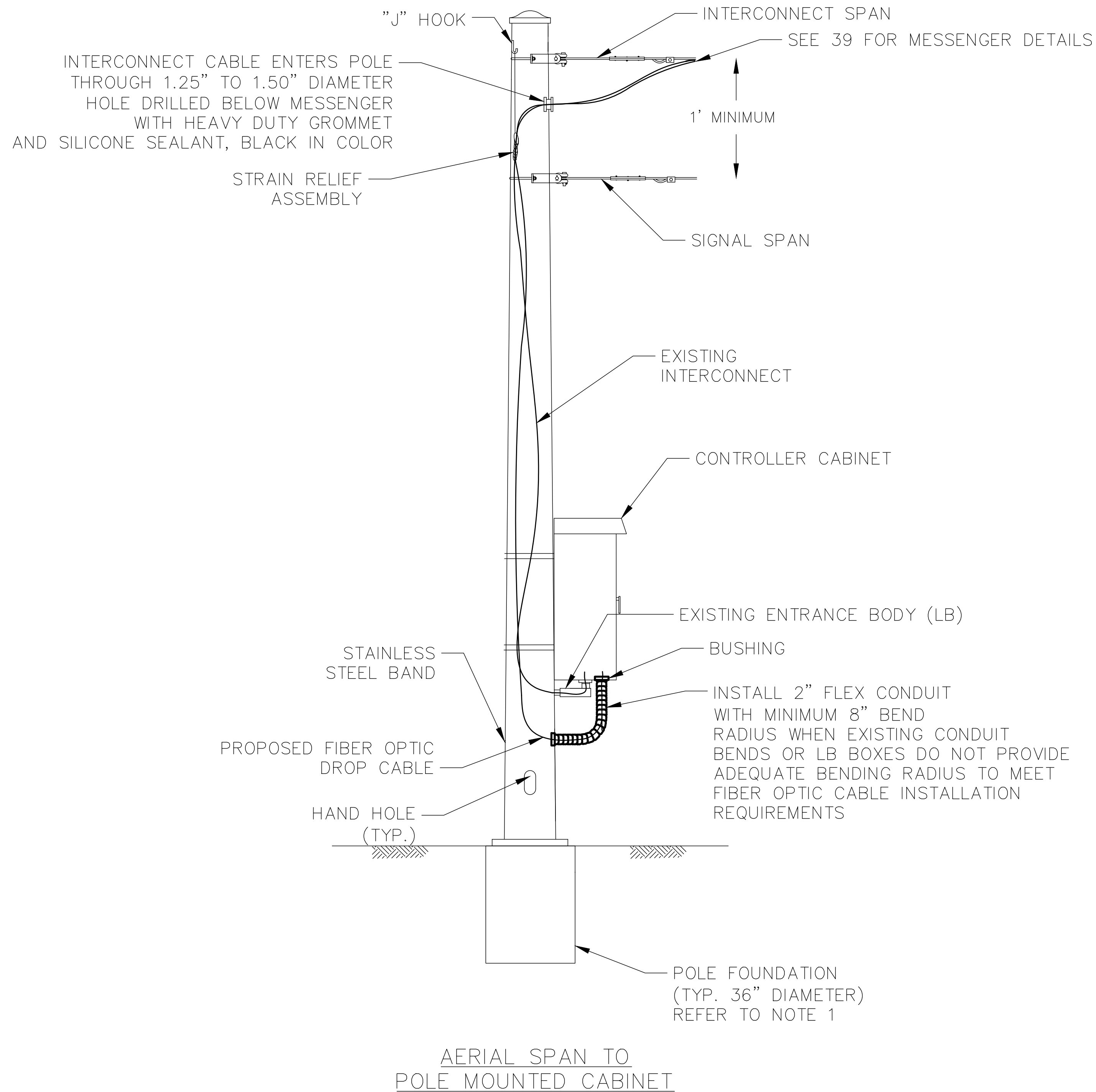
NOTES:

PROPOSED INTERCONNECT CABLE TO BE INSTALLED THROUGH DRILLED HOLE AS IDENTIFIED IN PLANS OR AS DIRECTED BY ENGINEER AND IS TO BE PAID INCIDENTAL TO DROP.

FIELD VERIFY CONDUIT BENDS ARE OF SUFFICIENT RADIUS TO PREVENT DAMAGE TO FIBER OPTIC CABLE.

NOT TO SCALE.





NOTES:

PROPOSED INTERCONNECT CABLE TO BE INSTALLED THROUGH DRILLED HOLE AS IDENTIFIED IN PLANS OR AS DIRECTED BY ENGINEER AND IS TO BE PAID INCIDENTAL TO COMPOSITE CABLE, CAT5E CABLE, OR PATCH PANEL.

FLEXIBLE METAL CONDUIT TO BE INSTALLED AS DIRECTED BY OR APPROVED BY THE ENGINEER AND IS TO BE PAID INCIDENTAL TO COMPOSITE CABLE, CAT5E CABLE, OR PATCH PANEL.

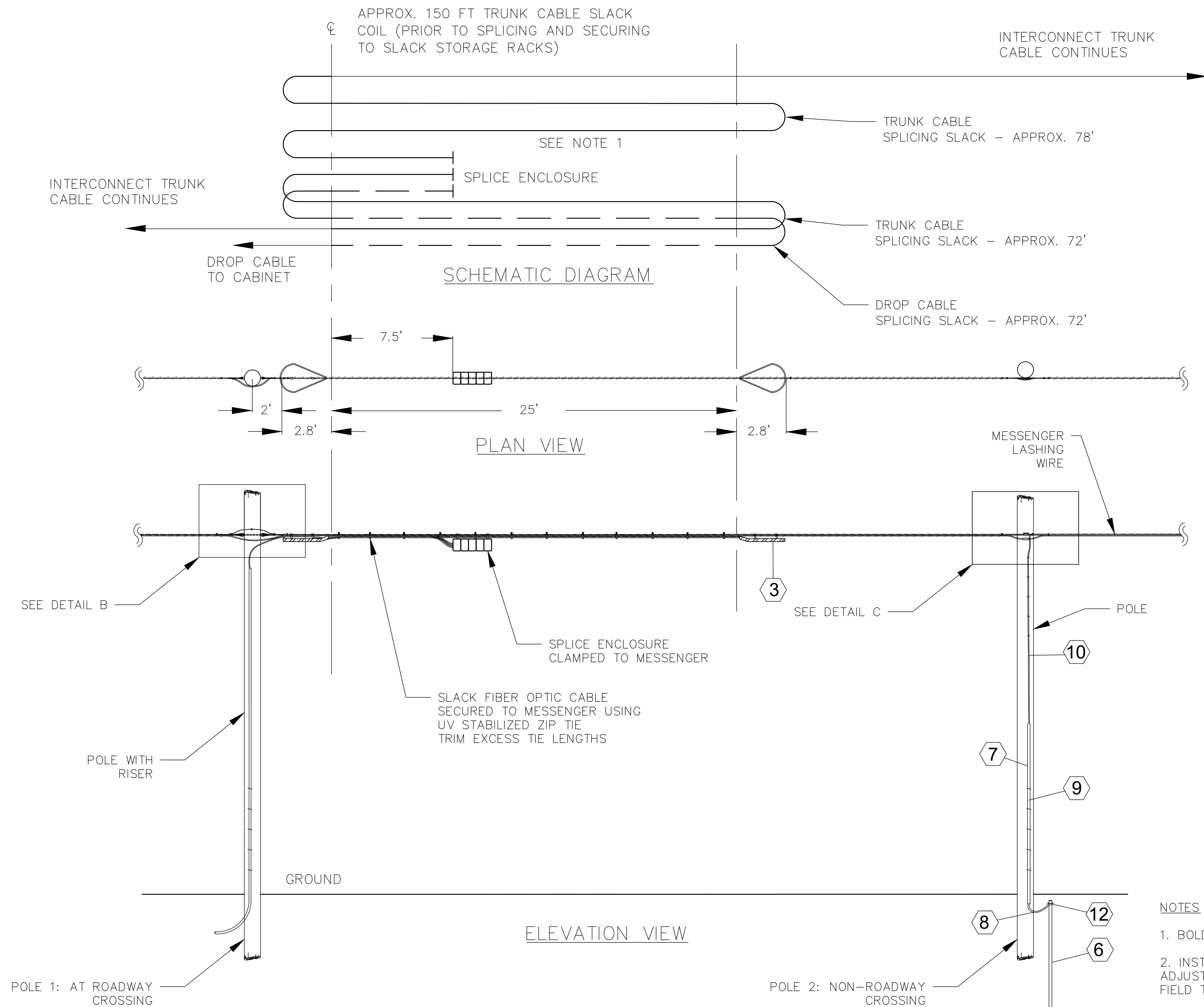
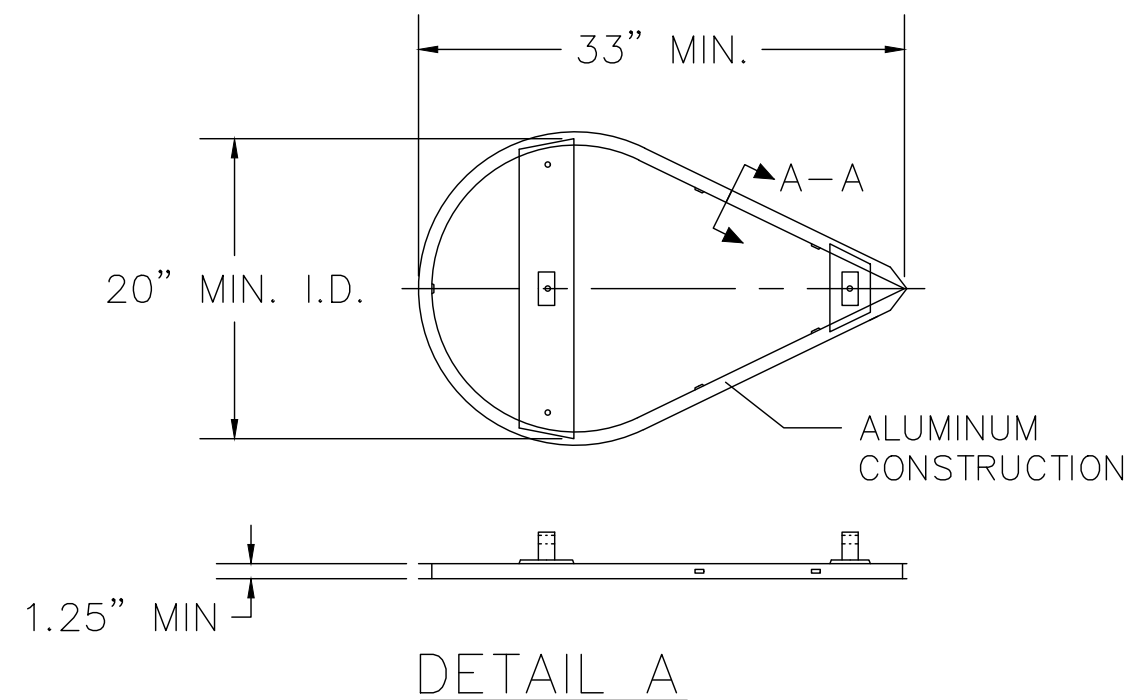
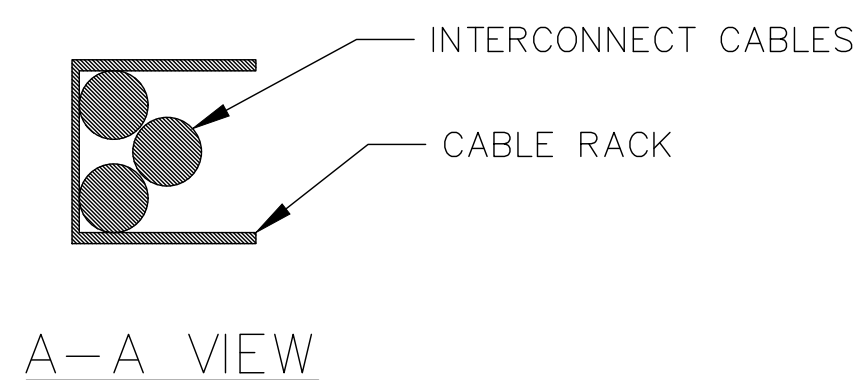
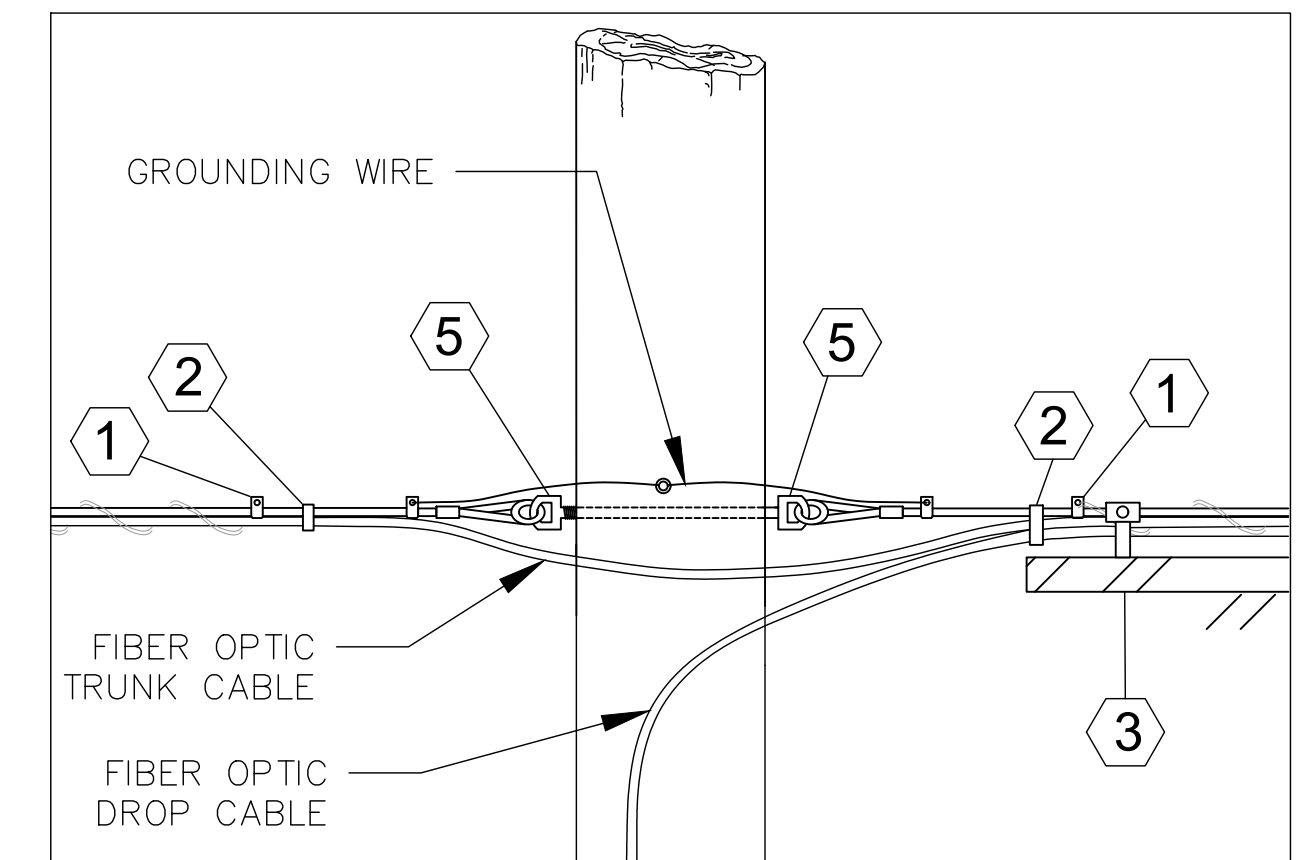
NOT TO SCALE.



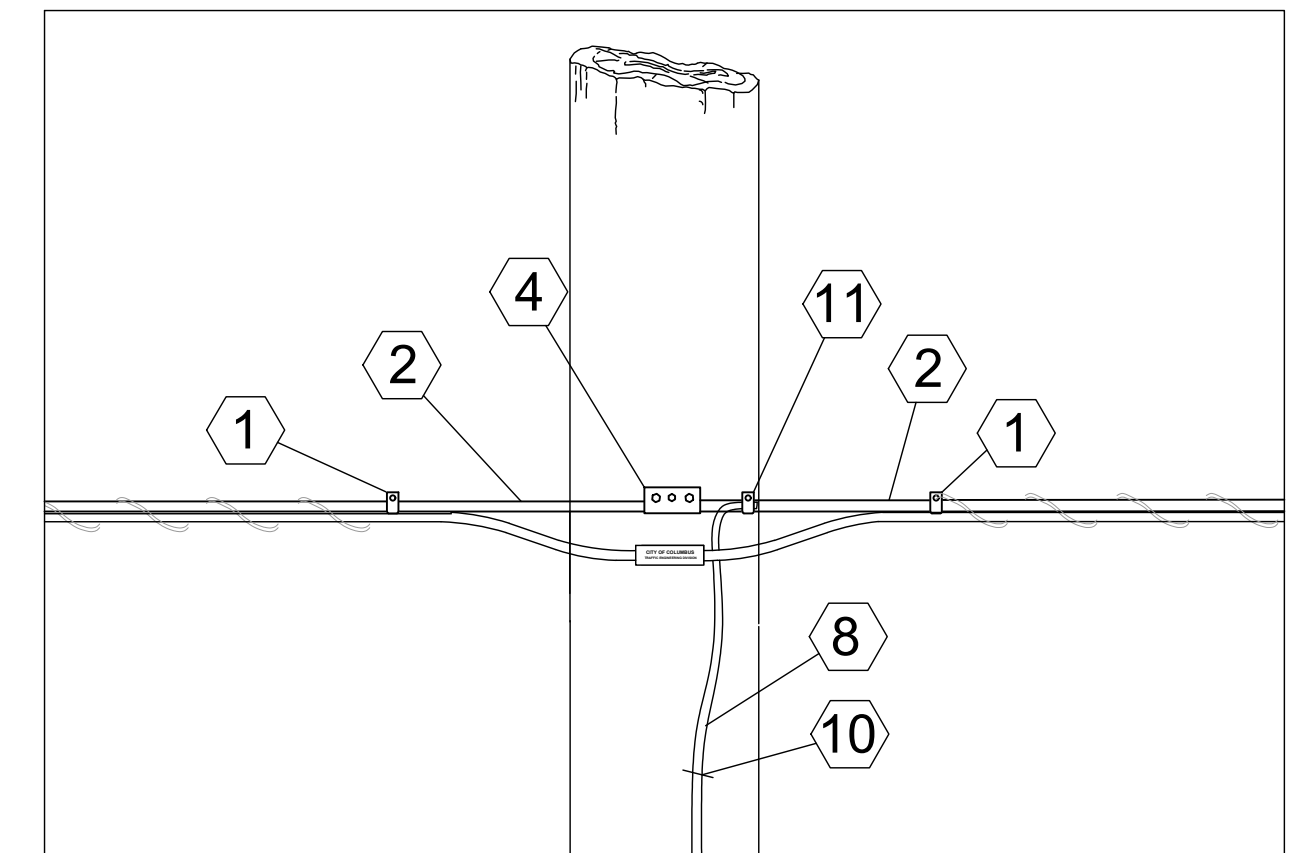
800-362-2764 or 8-1-1  
www.oups.org



J:\Jobs\60135\TCHPROD\Sheets\ST-CTSS\_002\_DetailD.dwg -- AERIAL CABLE SLACK STORAGE layout -- last saved by: gburch 09/07/2016 12:59pm -- printed 03/18/2020 04:03pm



DETAIL B



DETAIL C

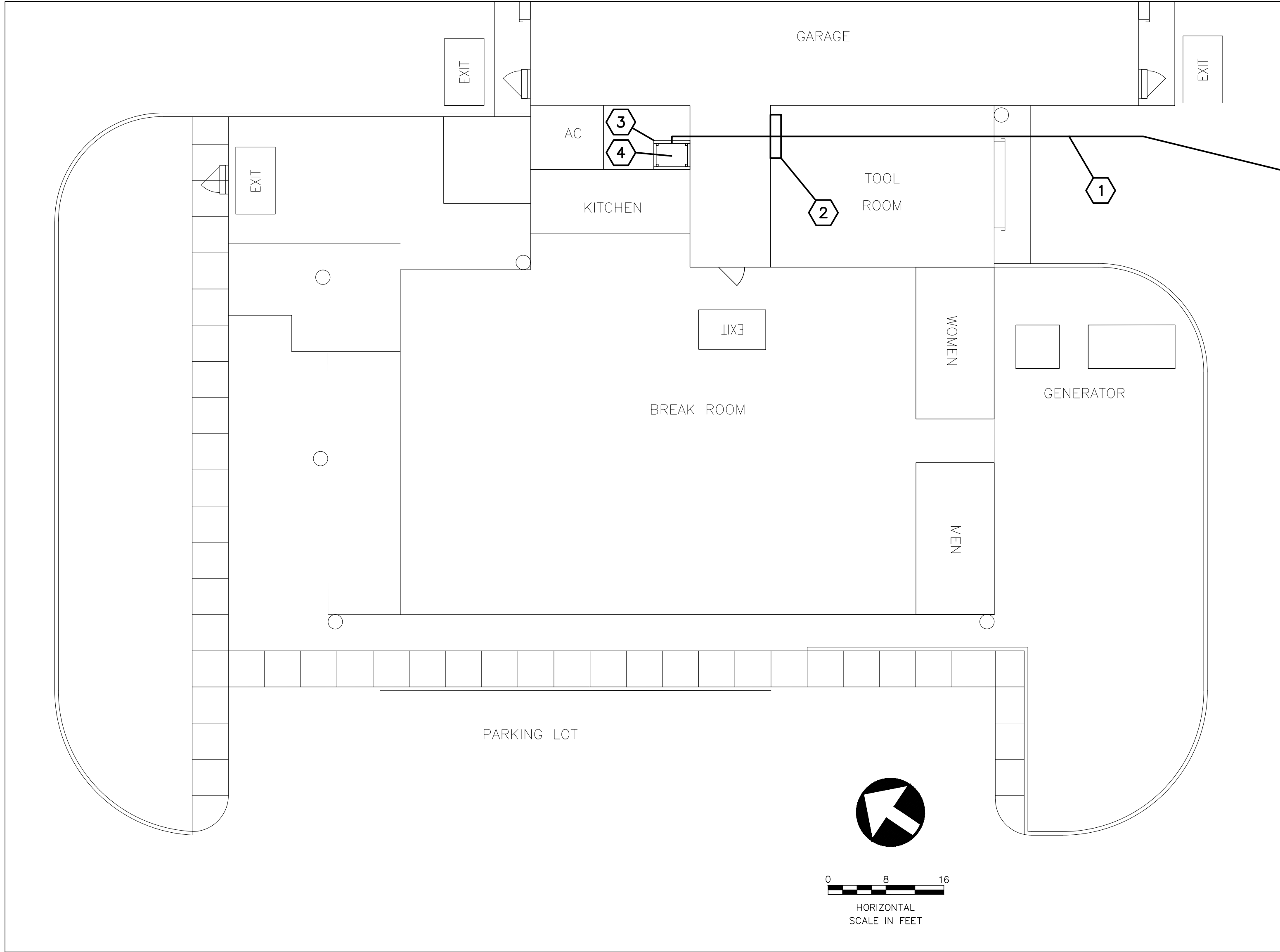
- |                                                                      |                                                                           |
|----------------------------------------------------------------------|---------------------------------------------------------------------------|
| ① MESSENGER/LASHING WIRE CLAMP                                       | ⑦ GROUND WIRE WOOD MOLDING, 8"                                            |
| ② CABLE SUPPORT AND SPACER                                           | ⑧ COPPER COATED STEEL GROUND WIRE, NO. 6 AWG TYPICAL, VINYL COATED JACKET |
| ③ CABLE STORAGE RACK, CLAMPED TO MESSENGER, SEE NOTE #2 AND DETAIL A | ⑨ STAPLE, 1-1/2" x 3"                                                     |
| ④ THREE BOLT CLAMP                                                   | ⑩ STAPLE, 3/8" x 1-1/2"                                                   |
| ⑤ DEAD END BOLT                                                      | ⑪ COMPRESSION COUPLING                                                    |
| ⑥ 1/2"X10' GROUND ROD                                                | ⑫ GROUND ROD CLAMP COUPLING                                               |

NOTES

- BOLD LINE INDICATED COILED SLACK PORTION OF CABLES
- INSTALLATION AND DIMENSIONS AS SHOWN ARE TYPICAL AND WILL VARY BETWEEN SITES. MANUAL ADJUSTMENT OF SPACING BETWEEN RACKS AND PLACEMENT OF SPLICE ENCLOSURE WILL BE REQUIRED IN FIELD TO ENSURE ALL CABLES AND HARDWARE IS SECURELY FASTENED TO AERIAL SPAN
- SPARE CABLE SHALL NOT BE STORED OVER ROADWAYS OR DRIVEWAYS AND SHALL BE 10 FEET (MINIMUM) FROM POLES AT SIGNALIZED INTERSECTIONS.
- FOR FIBER OPTIC CABLE STORE A MINIMUM OF 75 FEET OF EACH CABLE ENTERING THE ADJACENT SPLICE ENCLOSURE OR AS SHOWN ON PLANS.
- MINIMUM INTERNAL DIAMETER OF 20", MINIMUM LENGTH OF 34", MINIMUM HEIGHT OF 1.25" FOR ALL STORAGE RACKS
- THE COST OF THE STORAGE RACKS, HARDWARE, AND ACCESSORIES ARE CONSIDERED INCIDENTAL TO AERIAL CABLE INSTALLATION BID ITEMS.
- CABLE STORAGE RACKS SHALL BE USED FOR ALL AERIAL INTERCONNECT CABLE SLACK STORAGE.
- ITEMS 6 THROUGH 12 ARE TO BE USED FOR GROUNDING MESSENGER CABLE AT PROPOSED WOOD POLE SITES AND ANY OTHER POLES AS DIRECTED BY THE ENGINEER. MAXIMUM ACCEPTABLE RESISTANCE - 25 OHM. ADDITIONAL GROUNDING RODS MAY BE INSTALLED TO MEET THIS REQUIREMENT. GROUND RODS ARE TO BE FURNISHED IN ACCORDANCE WITH THE CMSC 725.16. INSTALLATION AND TESTING SHALL CONFORM TO THE REQUIREMENTS OF THE CMSC 625.16. COUPLINGS, CONNECTORS, STAPLES, AND MOLDING SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES SPECIFICATION MIS-026.



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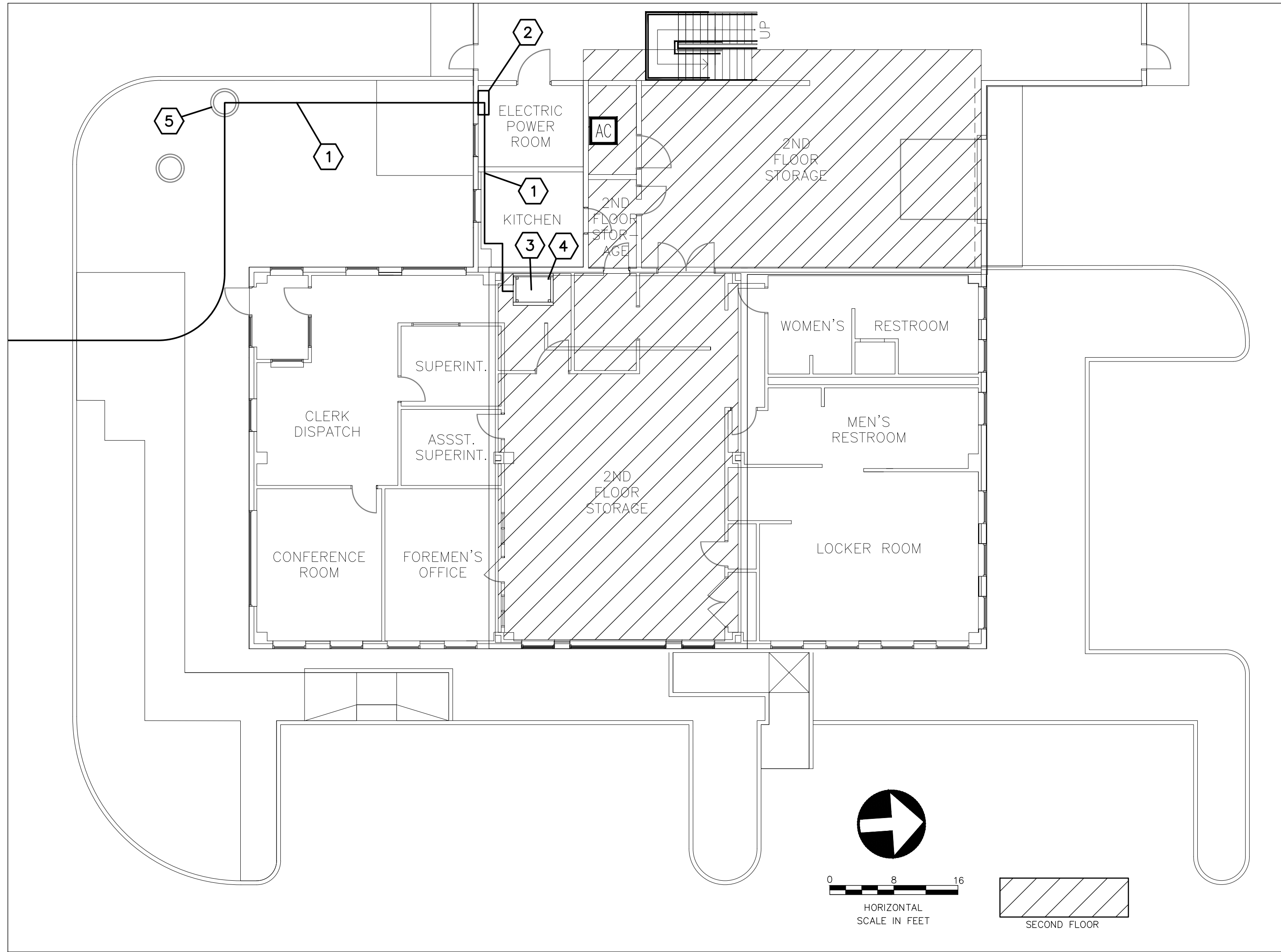
FRANKLIN COUNTY ENGINEER WEST MAINTENANCE FACILITY – 4444 FISHER RD  
FIRST FLOOR/SECOND FLOOR LAYOUT – PROPOSED COMMUNICATION CABLE PATH

- NOTES:**
- 1. PROPOSED FIBER OPTIC CABLE TO BE INSTALLED WITHIN EXISTING 4” CONDUIT INTO COMMUNICATION ROOM.
  - 2. INSTALL FIBER OPTIC TERMINATION PANEL AT LOCATION AS DIRECTED BY THE ENGINEER.
  - 3. SPLICE TO GREEN BUFFER TUBE OF 144 STRAND FIBER OPTIC CABLE AS SHOWN IN COMMUNICATIONS DIAGRAM ON SHEET 956.
  - 4. SEE SHEET 132 FOR PLAN SHEET.

- 1 PROPOSED 24 STRAND FOC PRE–TERMINATED DROP CABLE IN EXISTING 4” CONDUIT (CONNECTS TO SPLICE ENCLOSURE IN EXISTING PULL BOX)
- 2 EXISTING WALL MOUNTED JUNCTION BOX
- 3 EXISTING EQUIPMENT RACK
- 4 PROPOSED 24 FIBER TERMINATION PANEL – 24 LC/UPC



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FRANKLIN COUNTY ENGINEER EAST MAINTENANCE FACILITY - 4801 HENDRON RD  
FIRST FLOOR/SECOND FLOOR LAYOUT - PROPOSED COMMUNICATION CABLE PATH

- NOTES:
- 1. PROPOSED FIBER OPTIC CABLE TO BE INSTALLED WITHIN EXISTING 4" CONDUIT INTO COMMUNICATION ROOM.
  - 2. INSTALL FIBER OPTIC TERMINATION PANEL AT LOCATION AS DIRECTED BY THE ENGINEER.
  - 3. SPLICE TO GREEN BUFFER TUBE OF 144 STRAND FIBER OPTIC CABLE AS SHOWN IN COMMUNICATIONS DIAGRAM ON SHEET 930.
  - 4. SEE SHEET 246 FOR PLAN SHEET.

- 1. PROPOSED 24 STRAND FOC PRETERMINATED DROP CABLE IN EXISTING 4" CONDUIT
- 2. EXISTING WALL MOUNTED JUNCTION BOX
- 3. EXISTING EQUIPMENT RACK
- 4. PROPOSED 24 FIBER TERMINATION PANEL - 24 LC/UPC
- 5. EXISTING 32" PULL BOX WITH PROPOSED SPLICE ENCLOSURE



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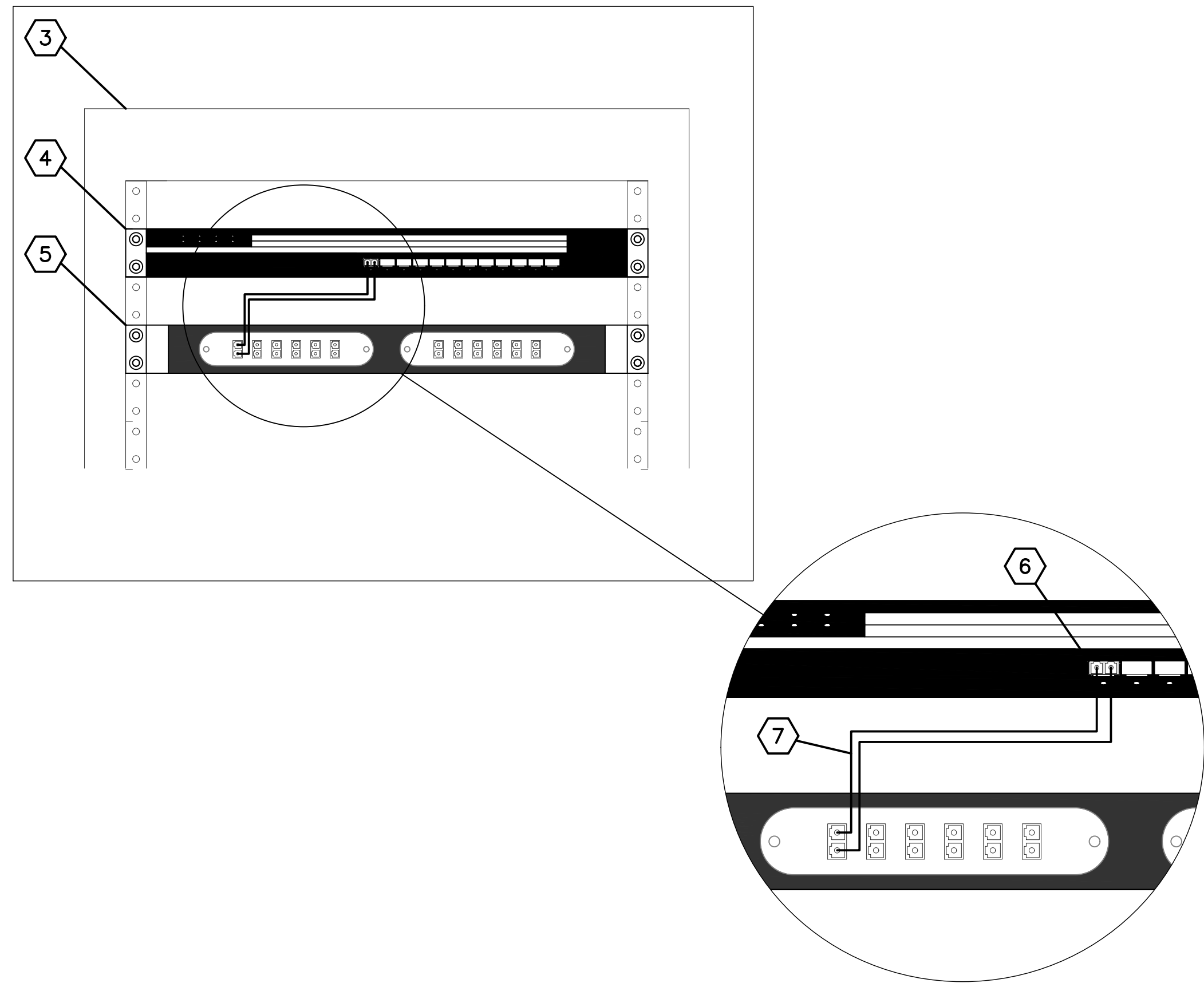


CITY OF COLUMBUS TRAFFIC MAINTENANCE SHOP – 1820 SEVENTEENTH AVE  
FIRST FLOOR LAYOUT – PROPOSED COMMUNICATION CABLE PATH

**NOTES:**

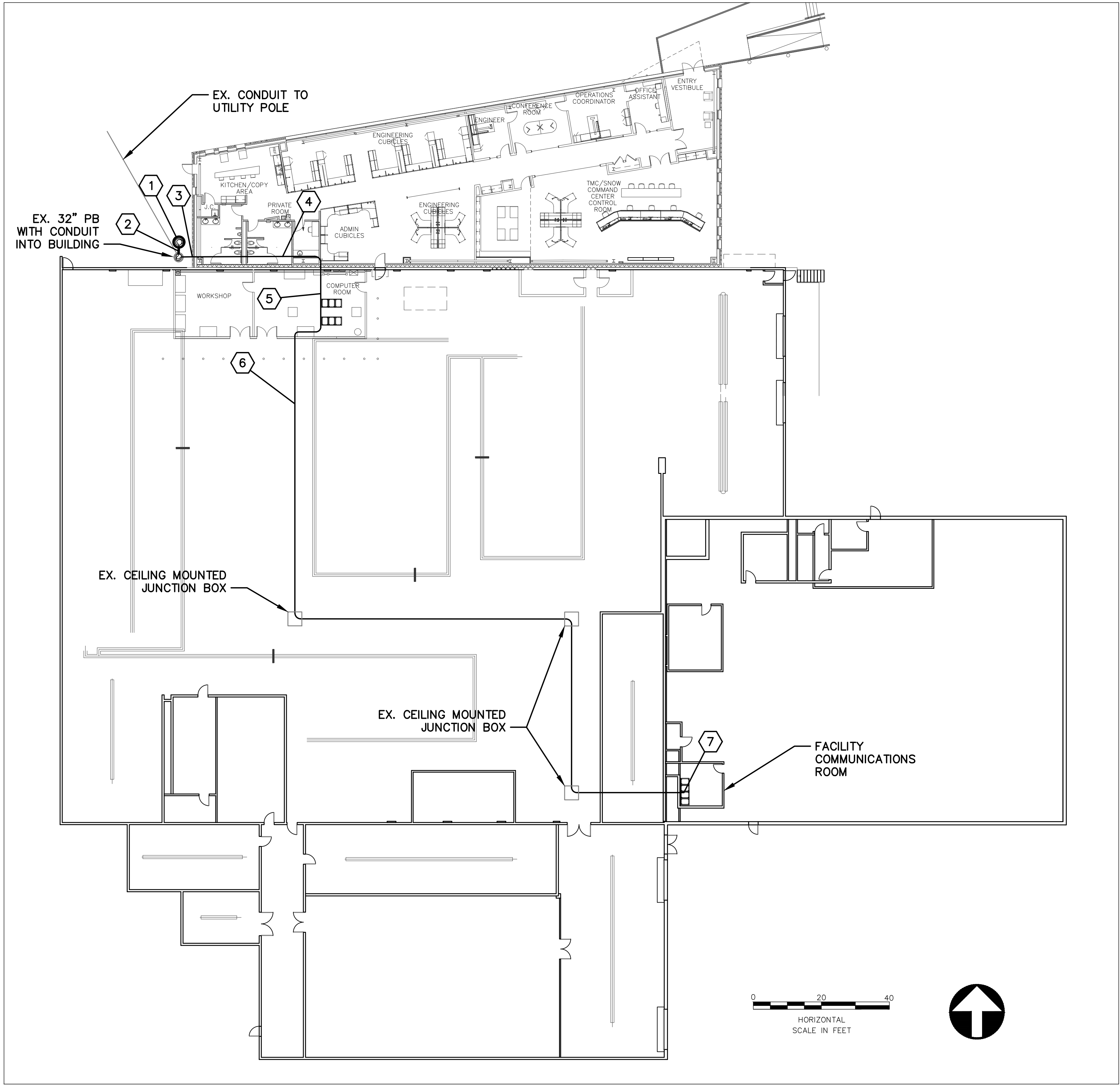
1. SEE SHEET 478 FOR PLAN SHEET
2. SEE SHEET 984 FOR COMMUNICATION DIAGRAM
3. MOUNT FIBER OPTIC TERMINATION PANEL AND NETWORK SWITCH IN EXISTING RACK AT LOCATION AS DIRECTED BY ENGINEER.

- 1 PROPOSED FIBER OPTIC CABLE IN 3" CONDUIT
- 2 PROPOSED 32" PULL BOX WITH 100' COILED FIBER OPTIC CABLE SLACK WITH SPLICE ENCLOSURE
- 3 EXISTING EQUIPMENT RACK
- 4 PROPOSED LAYER 3 NETWORK SWITCH WITH EXISTING AND PROPOSED SFP OPTICAL TRANSCEIVER
- 5 24 FIBER TERMINATION PANEL – LC/UPC (1 RU)
- 6 PROPOSED SFP FIBER OPTIC TRANSCEIVER MODULE
- 7 PROPOSED SINGLE MODE LC/UPC DUPLEX FIBER OPTIC PATCH CORD
- 8 PROPOSED 24 STRAND FOC PRETERMINATED DROP CABLE





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CITY OF COLUMBUS TRAFFIC MANAGEMENT CENTER – 1881 EAST TWENTY FIFTH AVE  
FIRST FLOOR LAYOUT – PROPOSED COMMUNICATION CABLE PATH

NOTES:

- 1. SEE SHEET 495 FOR PLAN SHEET
- 2. SEE SHEETS 993–994 FOR COMMUNICATION DIAGRAM
- 3. MOUNT FIBER OPTIC TERMINATION PANEL AND NETWORK SWITCH IN EXISTING RACK AT LOCATION AS DIRECTED BY ENGINEER.

- 1 INSTALL 48" PULL BOX WITH 100' COILED FIBER OPTIC CABLE SLACK AND SPLICE ENCLOSURE
- 2 INSTALL (2) – 4" SCH 80 CONDUIT
- 3 EX CONDUIT FROM SLAB TO CEILING TRANSITION
- 4 INSTALL 144 STRAND FOC DROP THROUGH CEILING SPACE
- 5 INSTALL 144 STRAND FOC DROP IN EX. OVERHEAD CABLE TRAY
- 6 INSTALL 144 STRAND FOC DROP IN EX. 3" CEILING MOUNTED CONDUIT
- 7 INSTALL 4RU PATCH PANEL IN EXISTING EQUIPMENT RACK



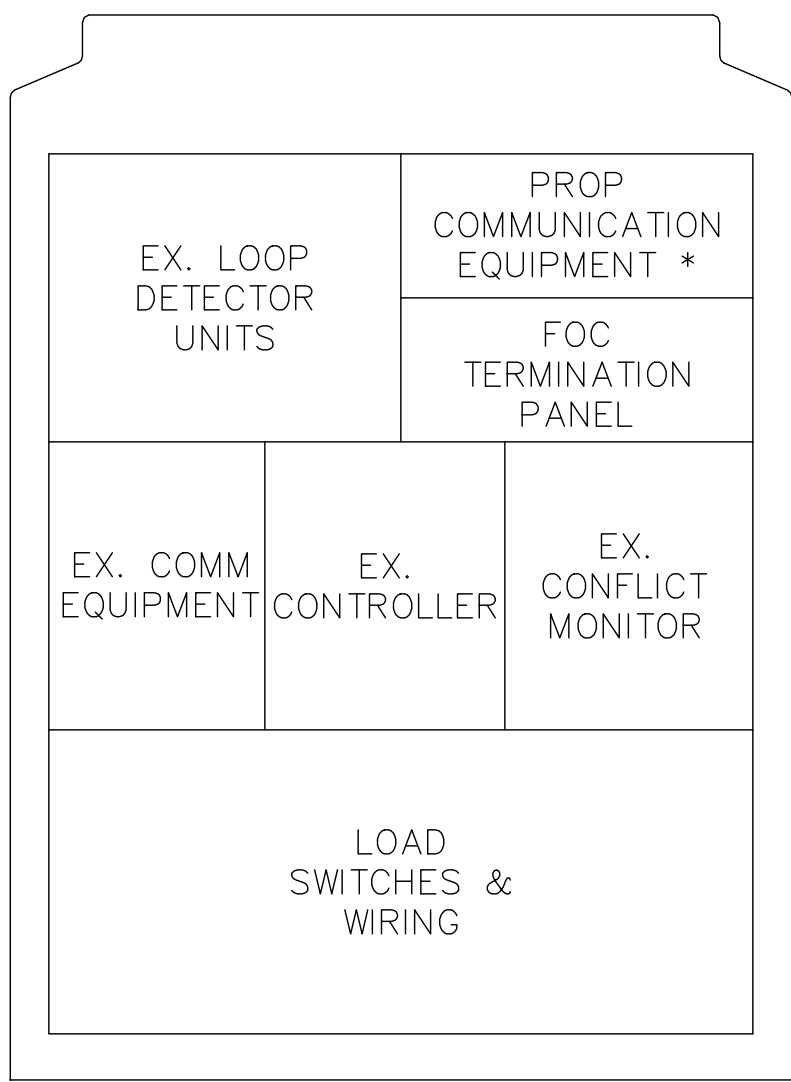
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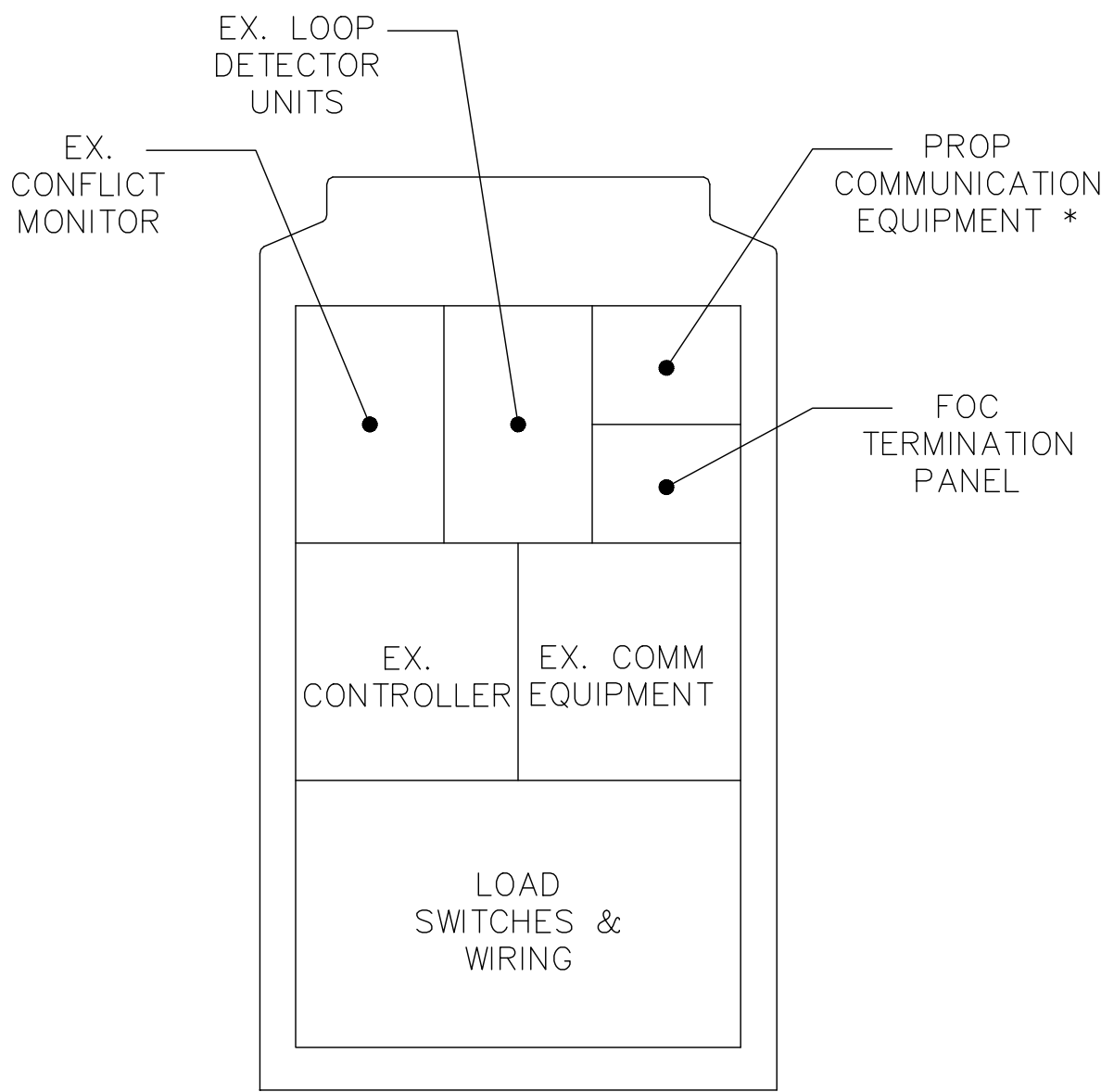
**Ohio Utilities Protection Service**  
*Call Before You Dig*

800-362-2764 or 8-1-1  
www.oups.org

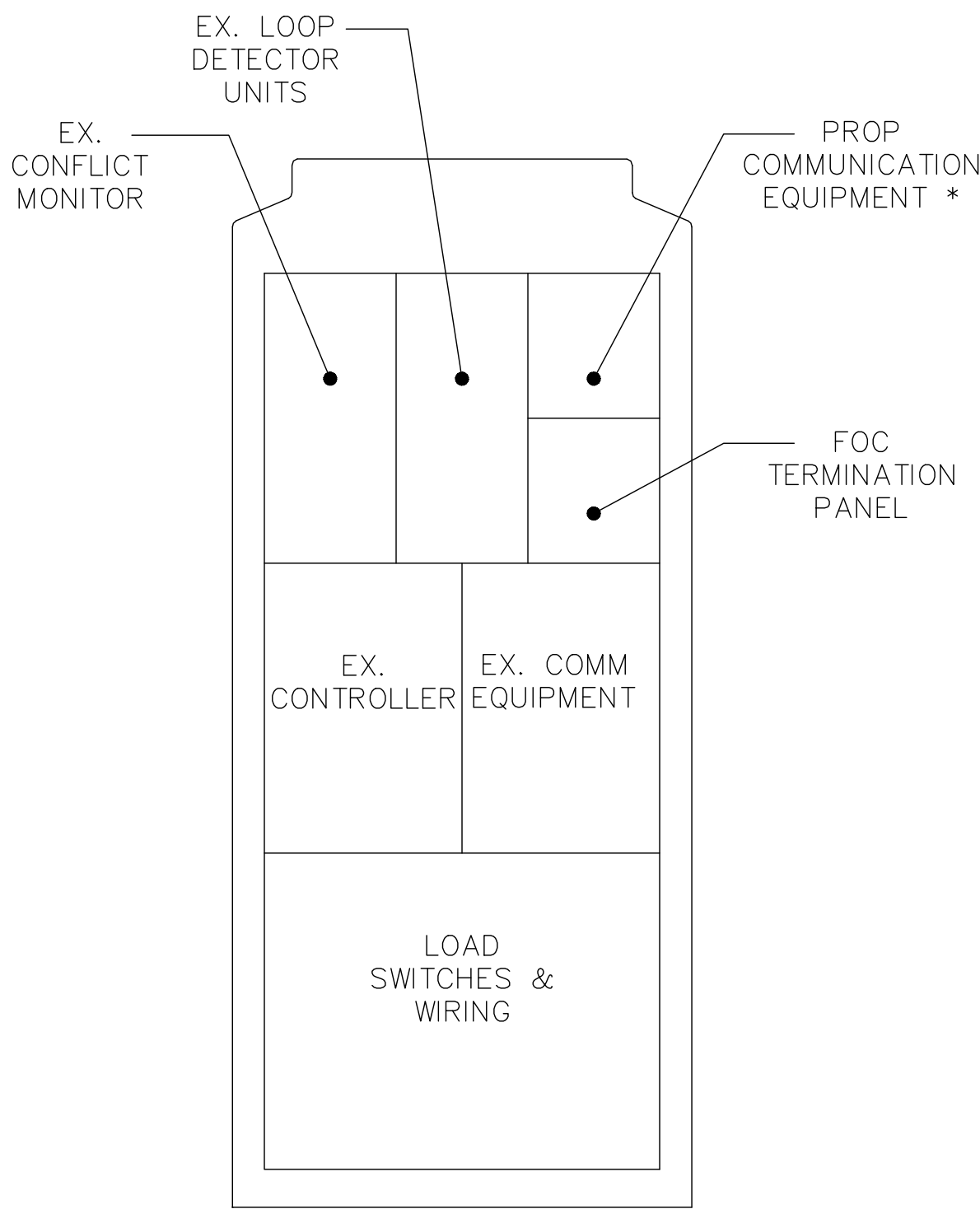
TYPICAL DETAIL FOR "P" CABINET  
44"W x 55" TALL



TYPICAL DETAIL FOR "M" CABINET  
30"W x 50" TALL



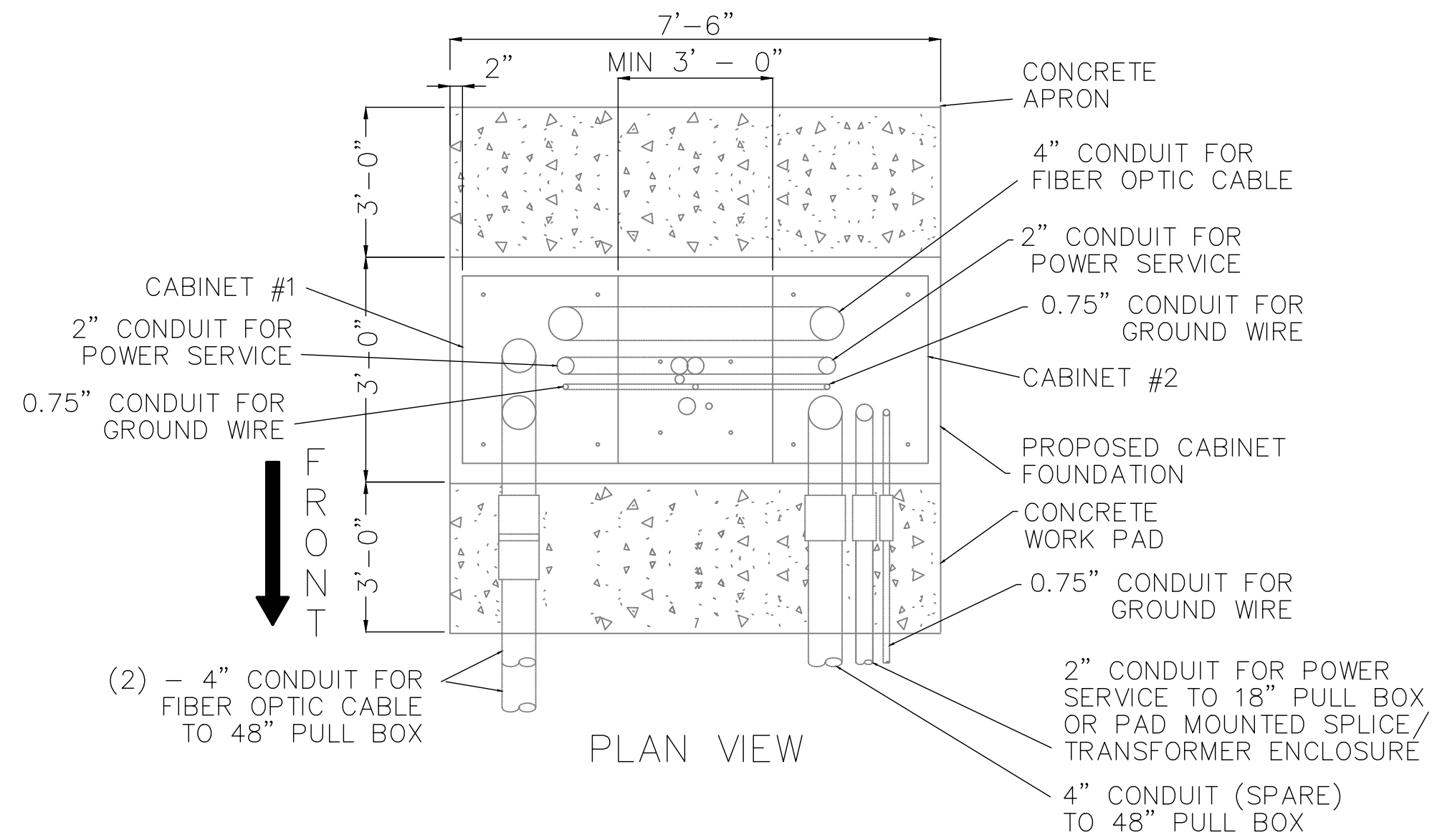
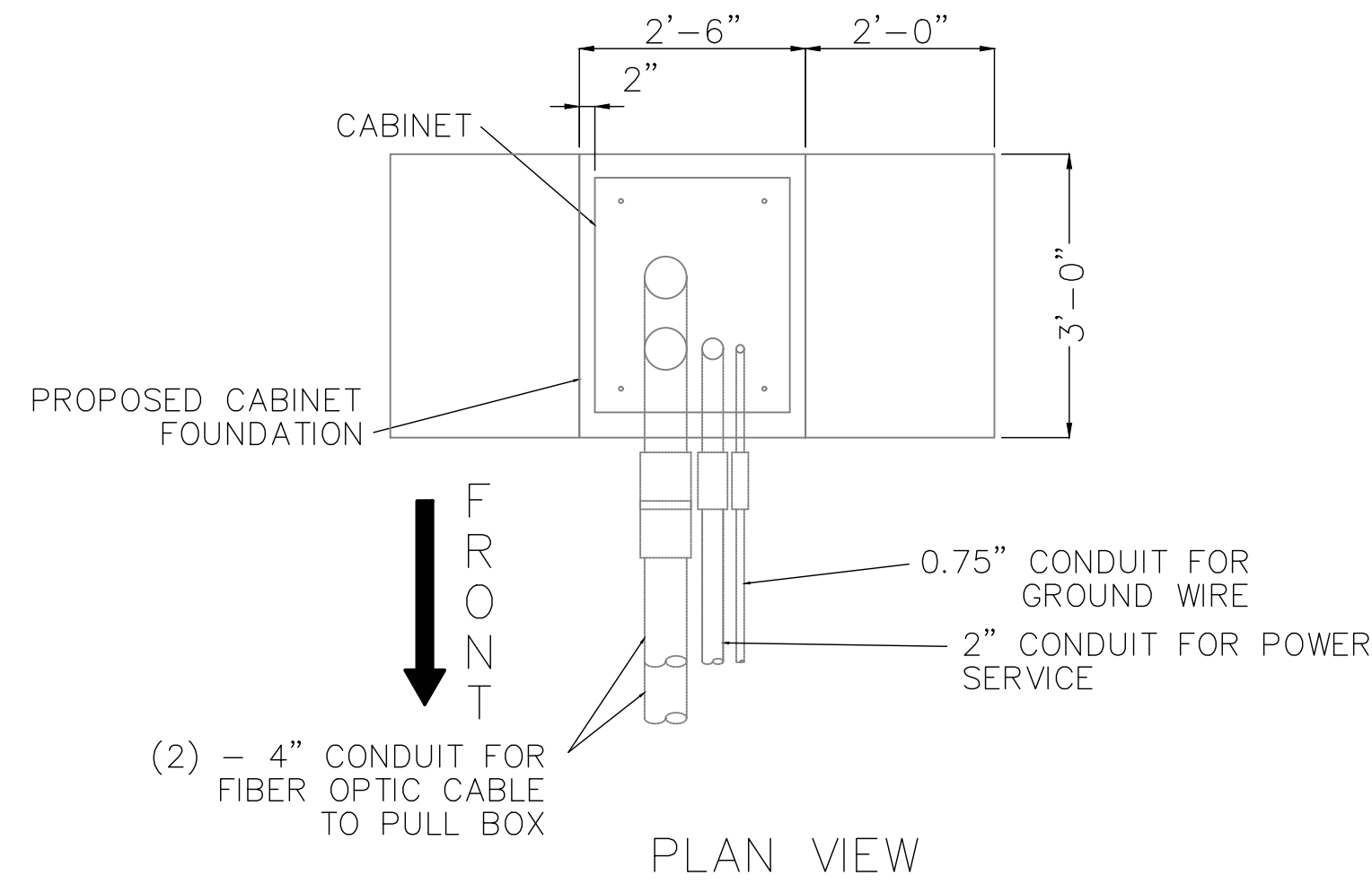
TYPICAL DETAIL FOR "M STRETCH" CABINET  
30"W x 68" TALL



\* - EQUIPMENT MOUNTED TO BACK, SIDE OR SHELF IN EXISTING CABINET.

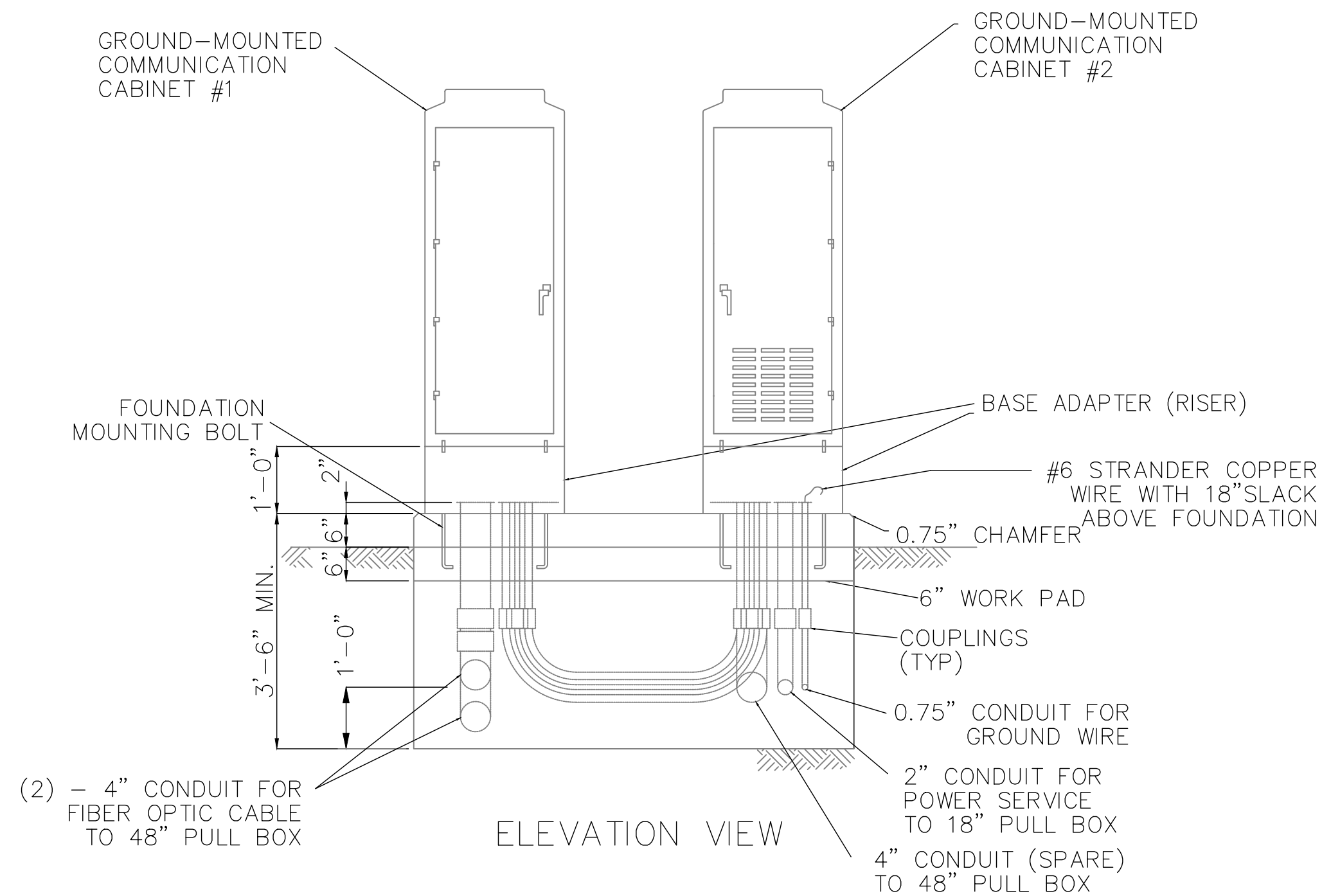
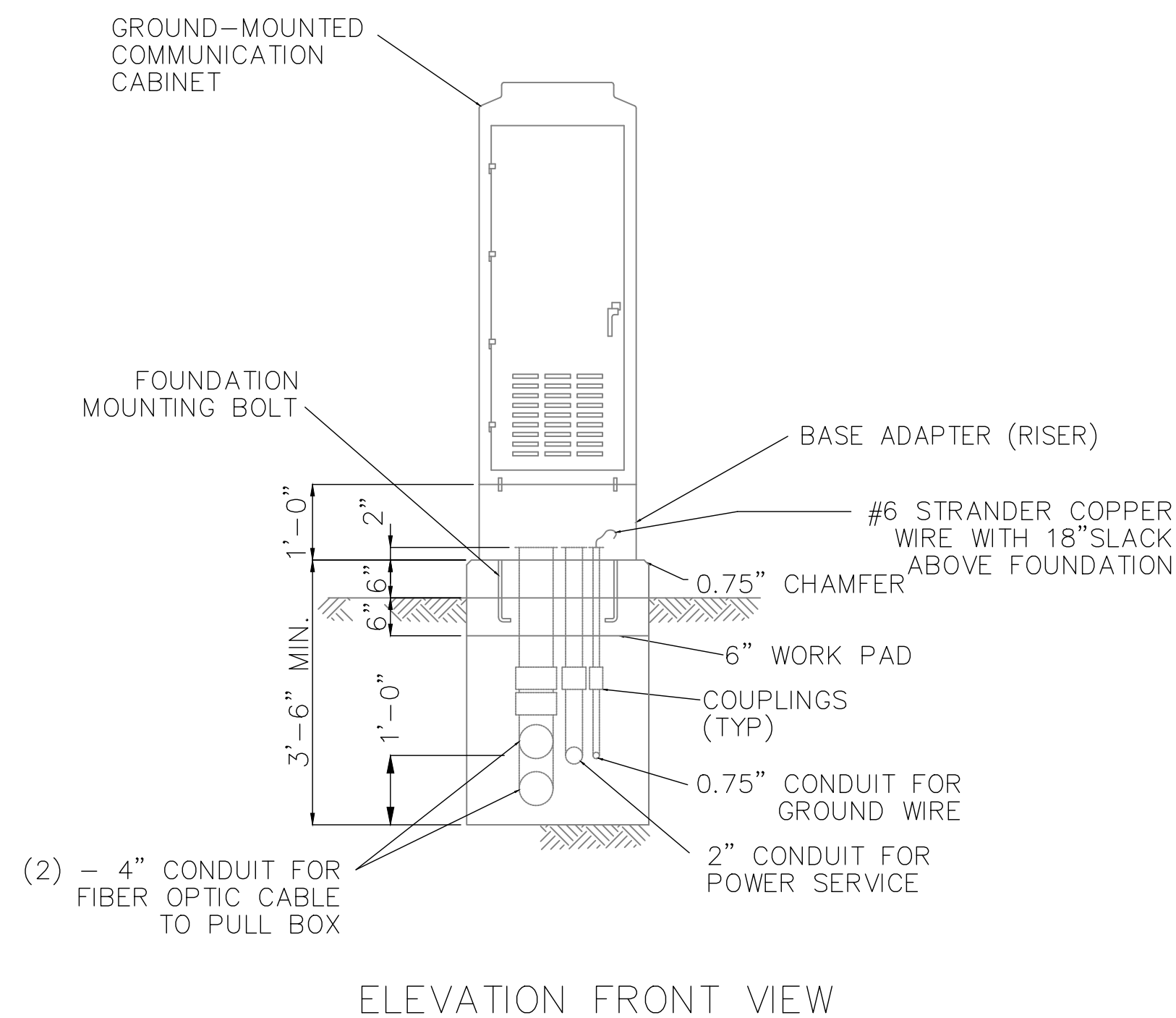
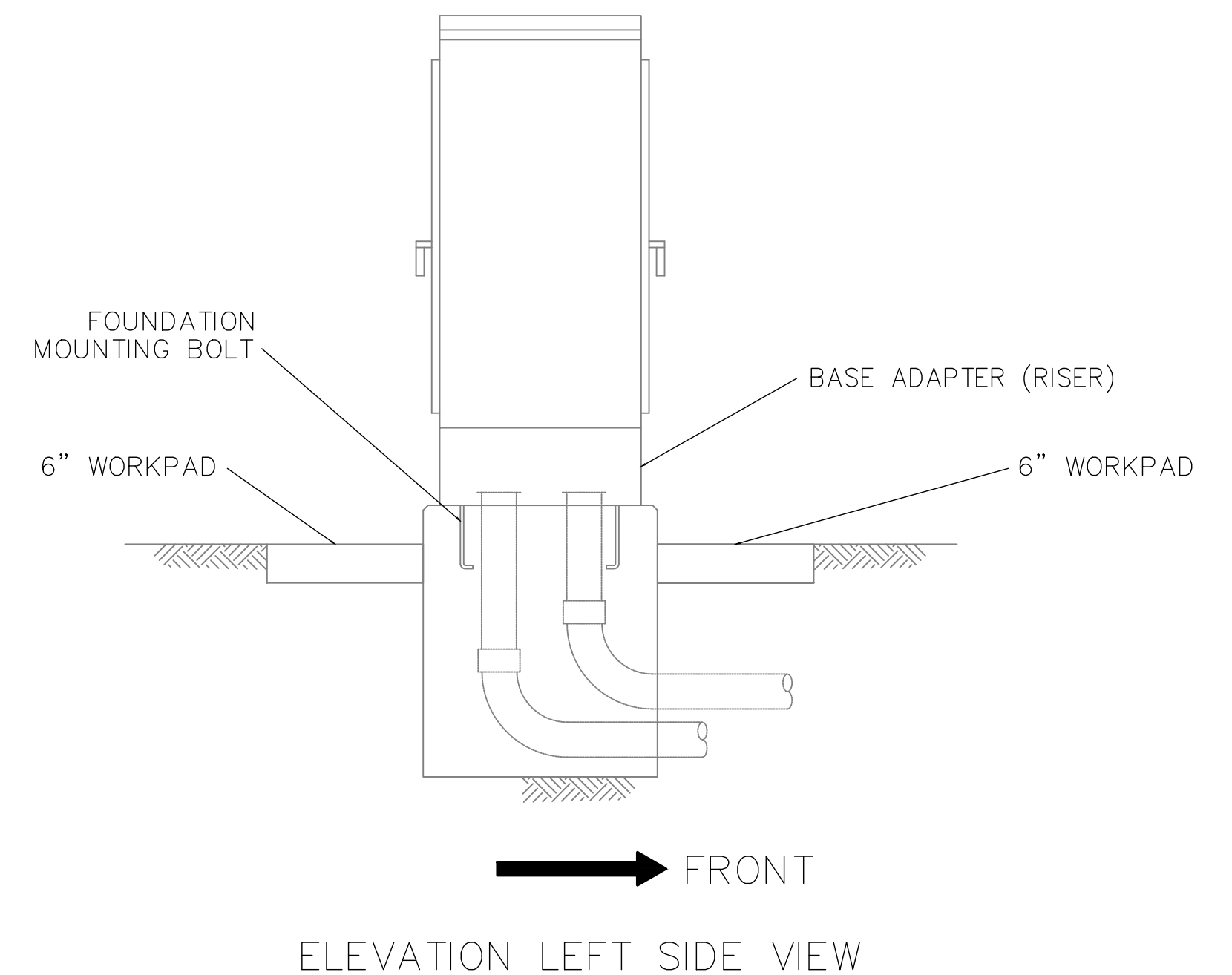


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NOTES:

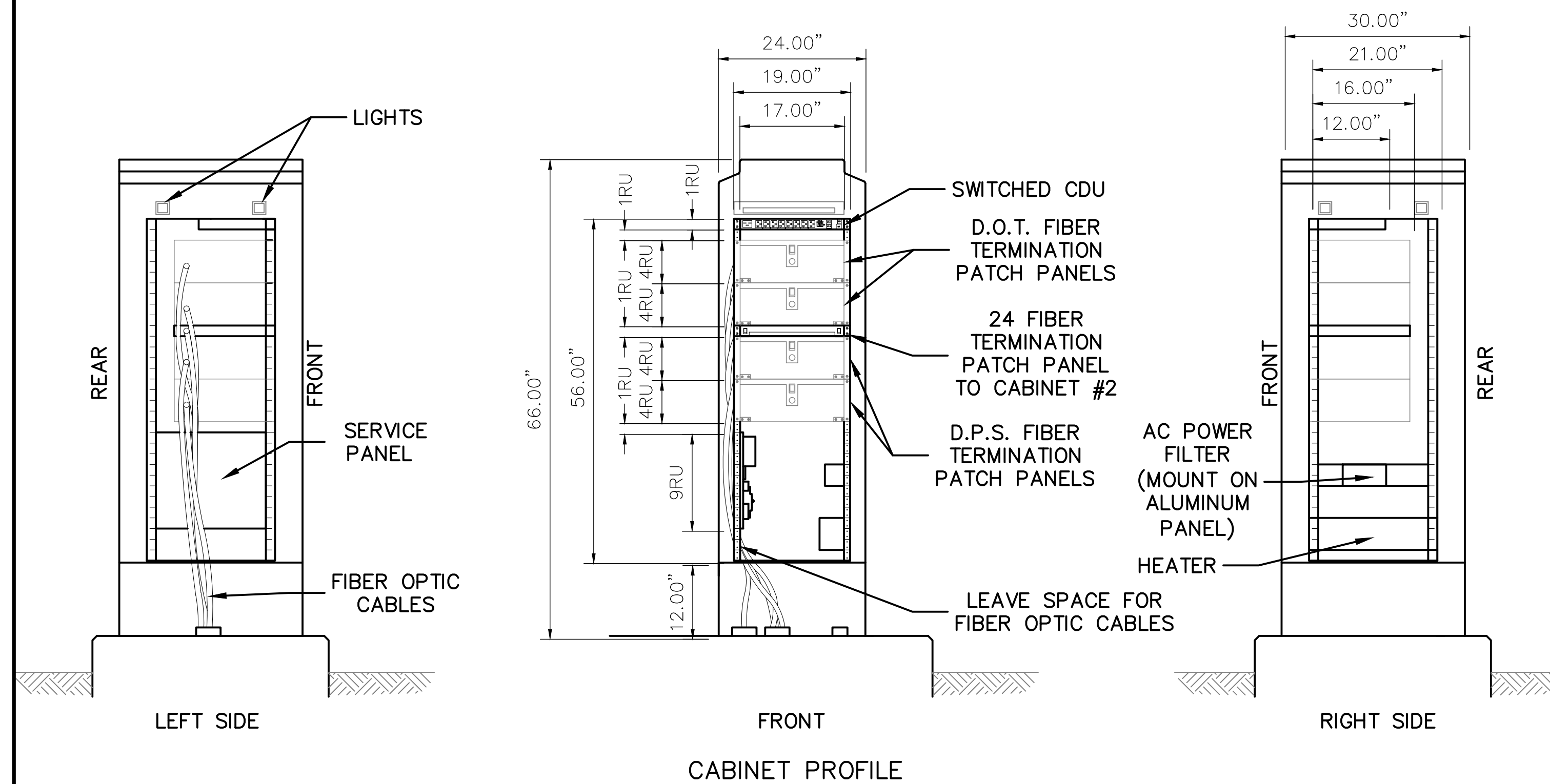
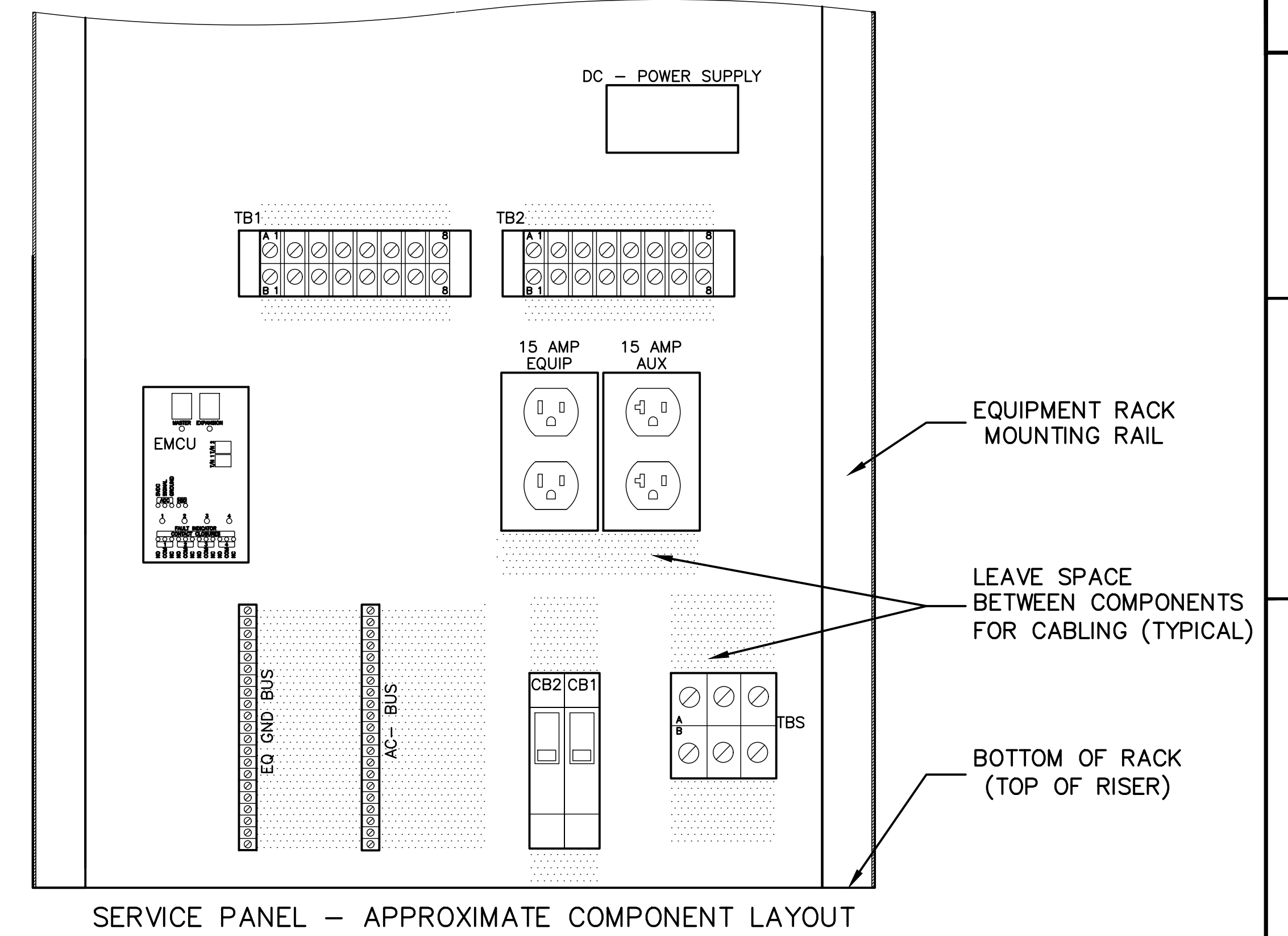
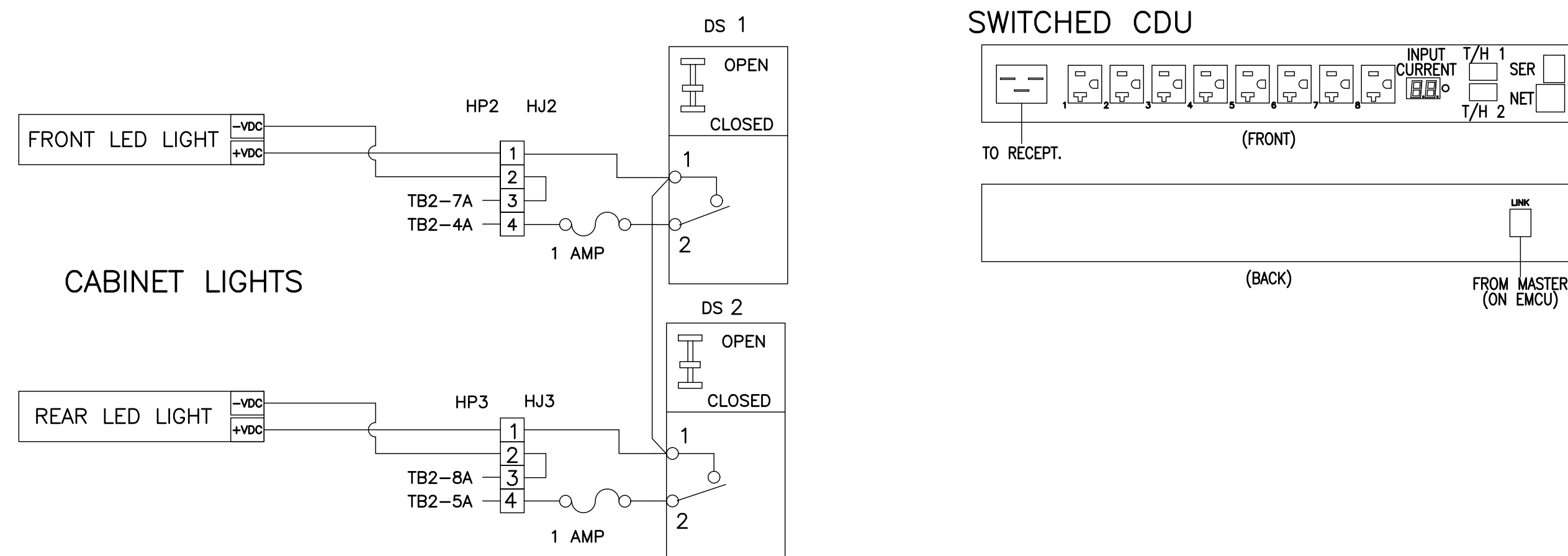
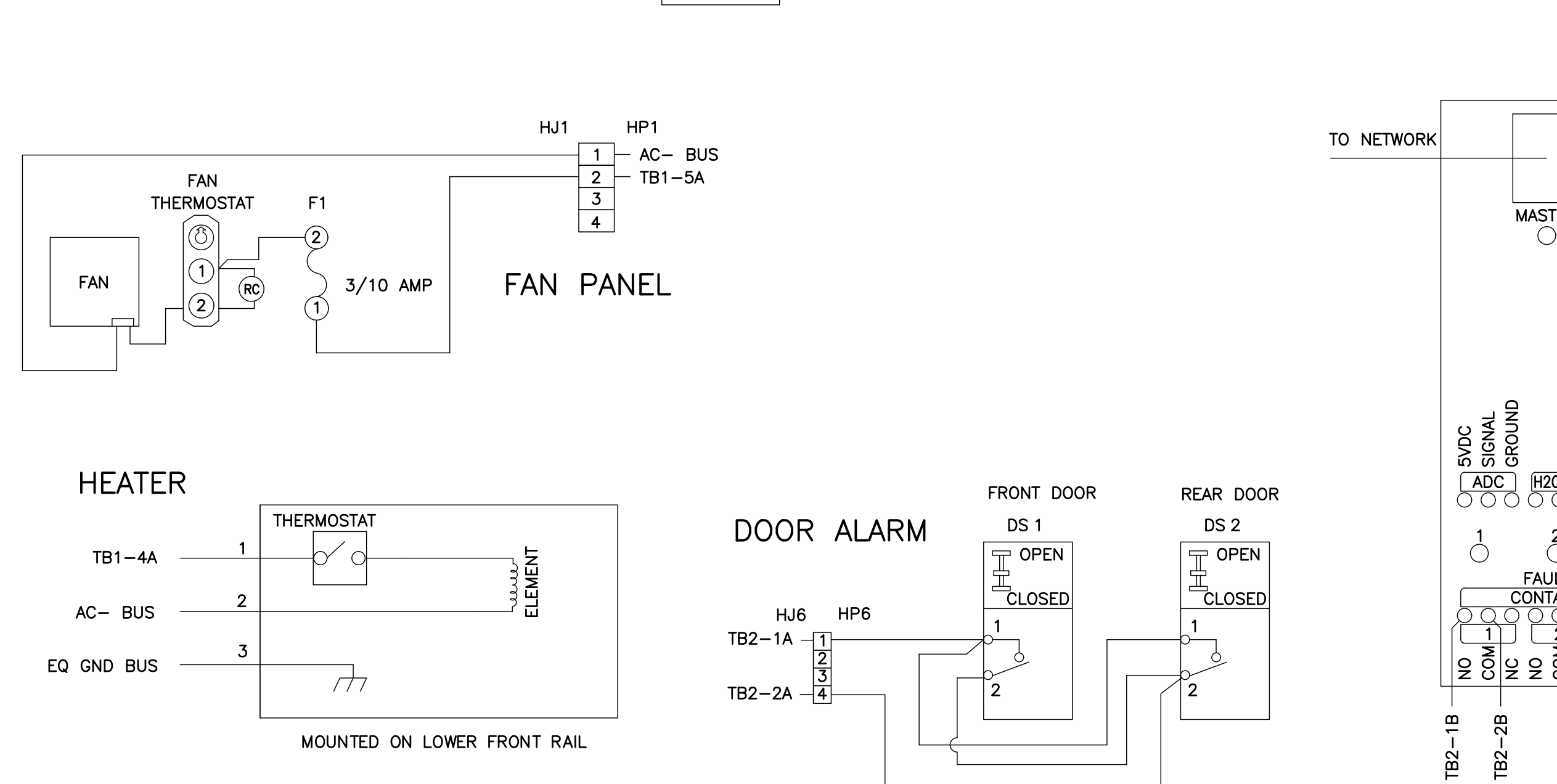
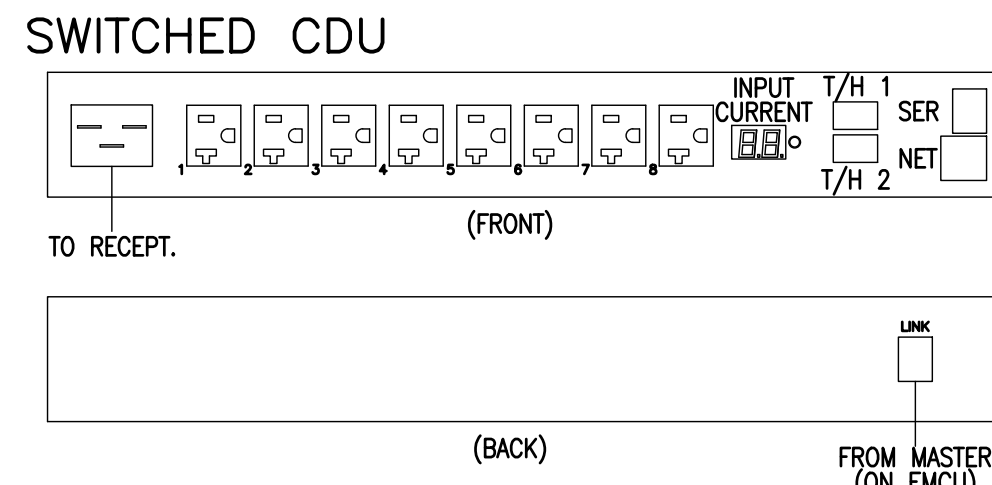
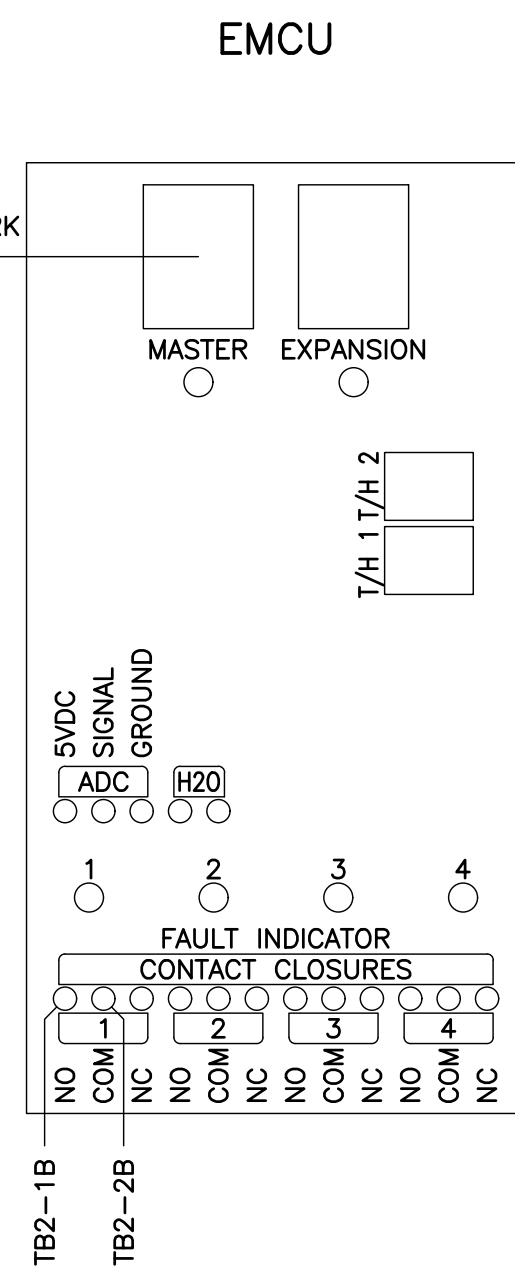
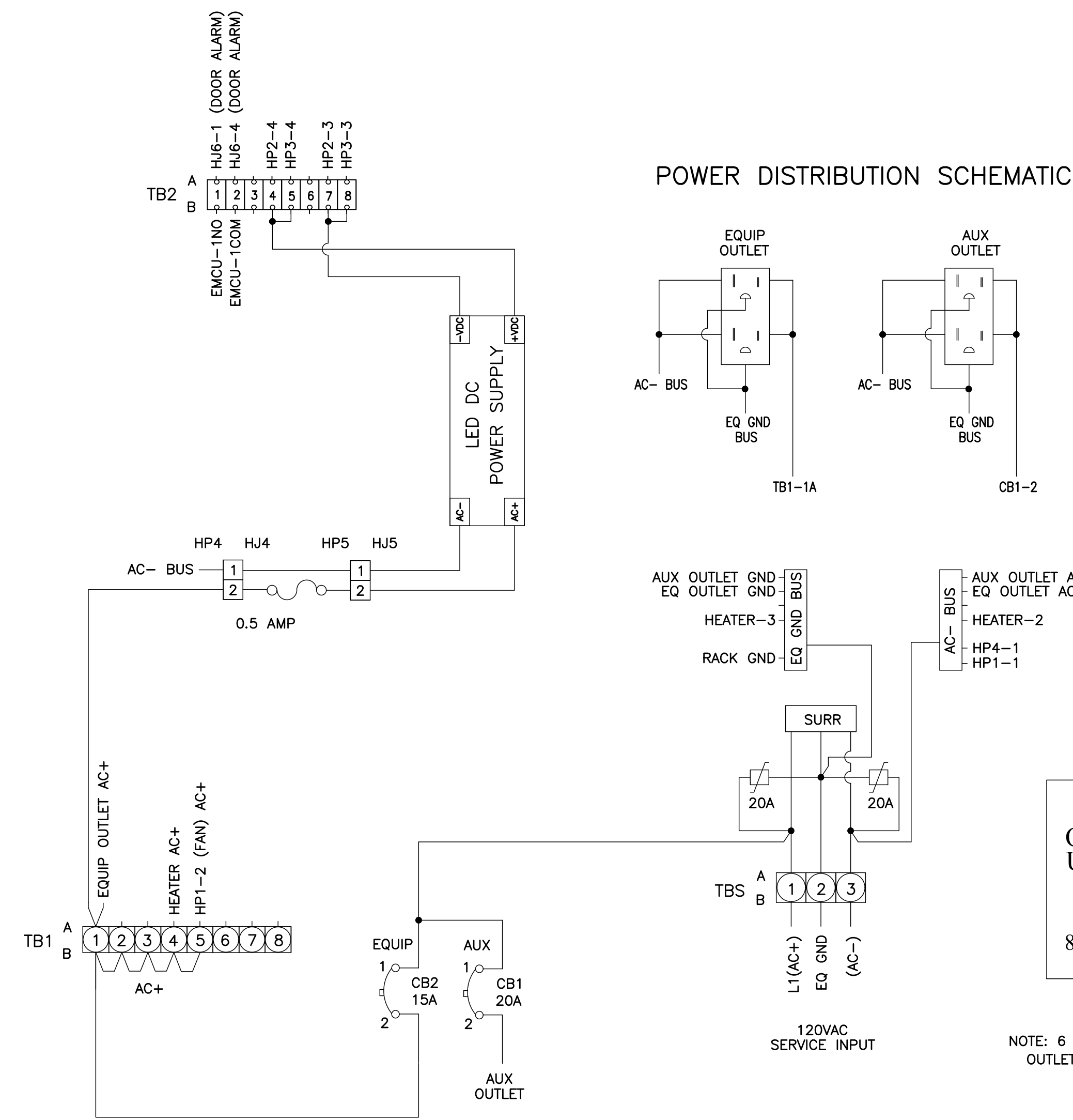
1. FOR 4" CONDUIT SWEEPS USE 36" BEND RADIUS.
2. FOR 0.75" AND 2" CONDUIT SWEEPS USE 24" BEND RADIUS.
3. CONDUIT SHALL TYPICALLY BE PVC SCH. 80 UNLESS OTHERWISE DIRECTED.
4. CABINET DOORS ARE TO BE POSITIONED AS TO NOT INTERFERE WITH CABINET DOORS OF ADJACENT CABINETS.
5. NOT TO SCALE.



DUAL 334 CABINET  
COMMUNICATIONS NODE SITE

334 CABINET  
FIBER ACCESS SITE

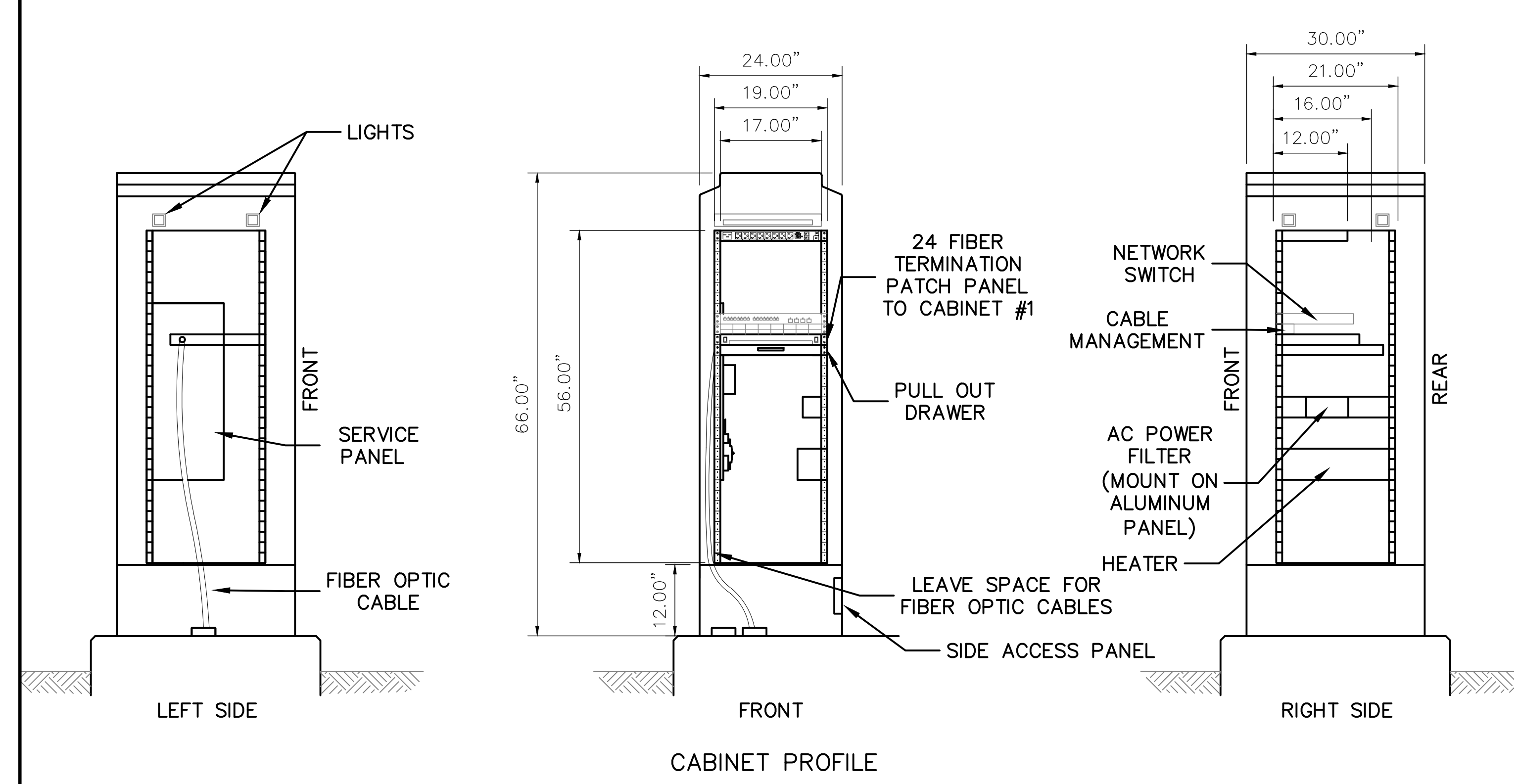
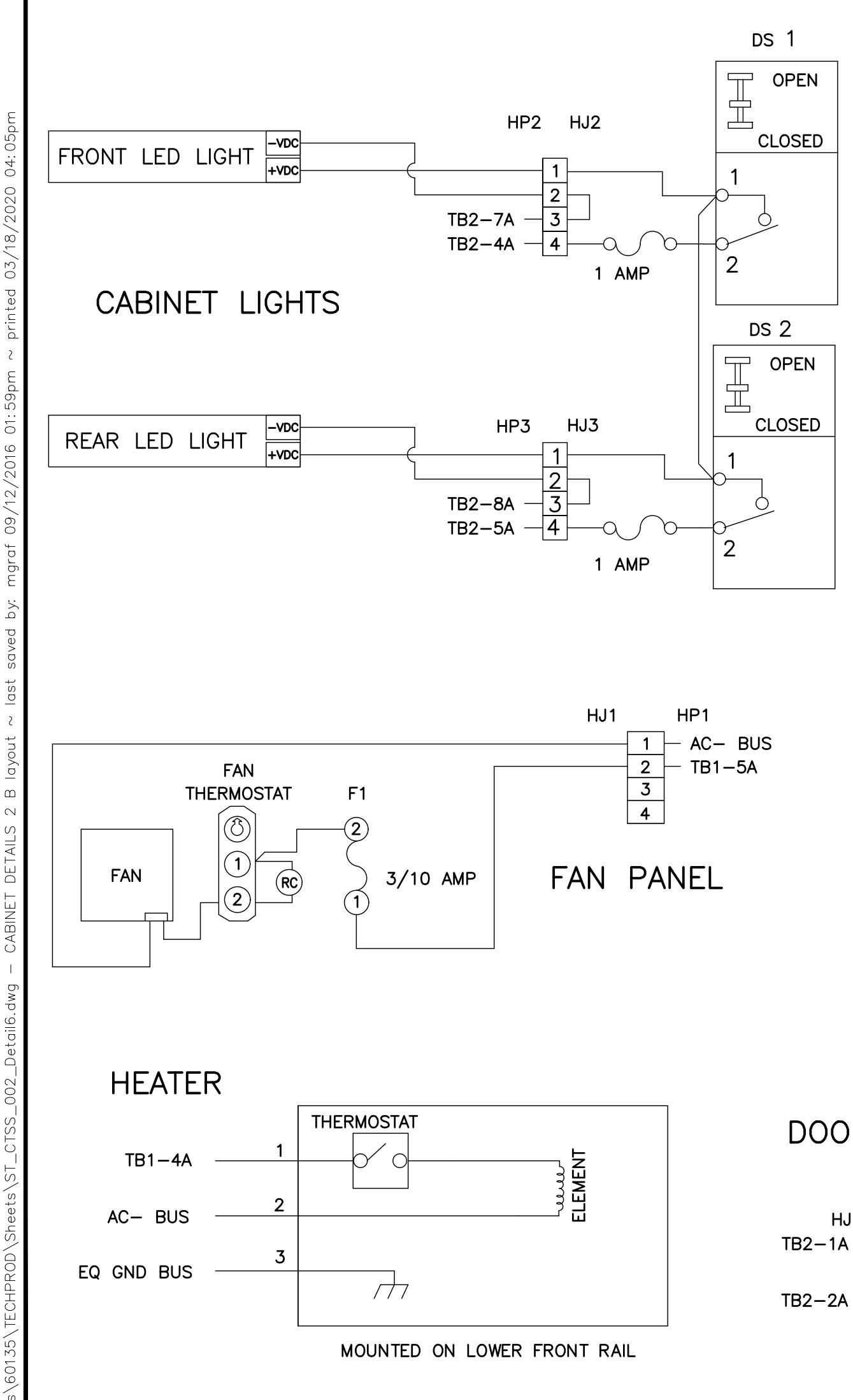
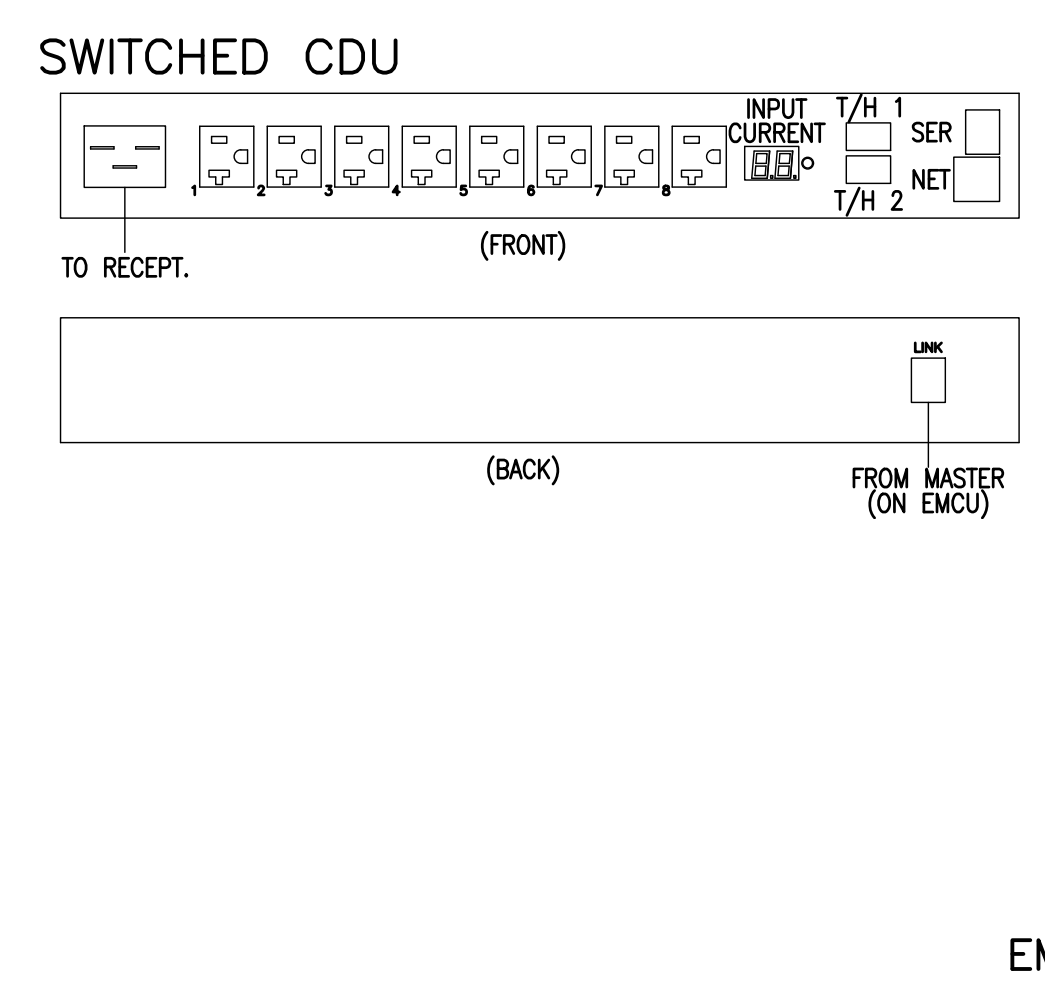
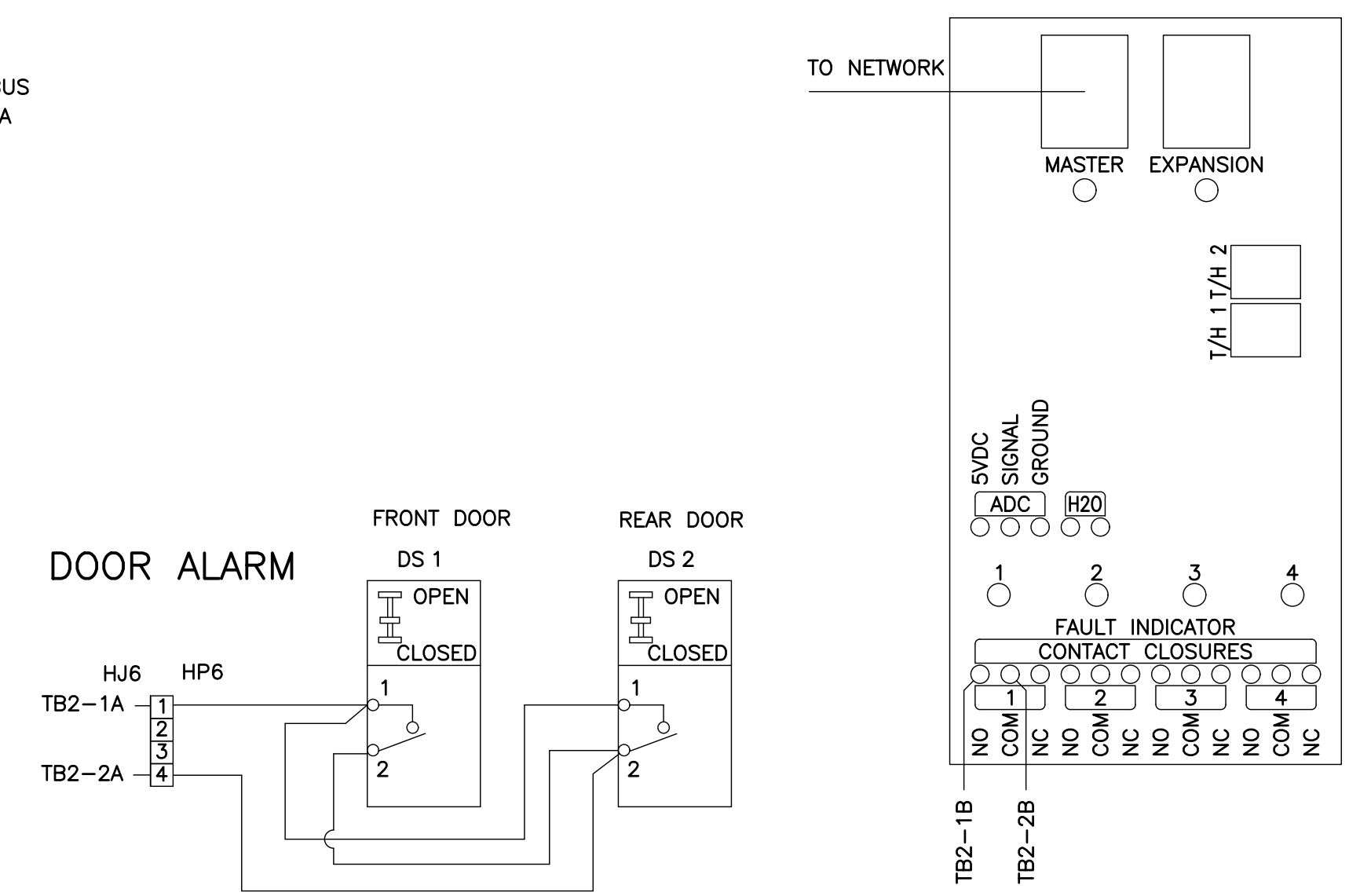
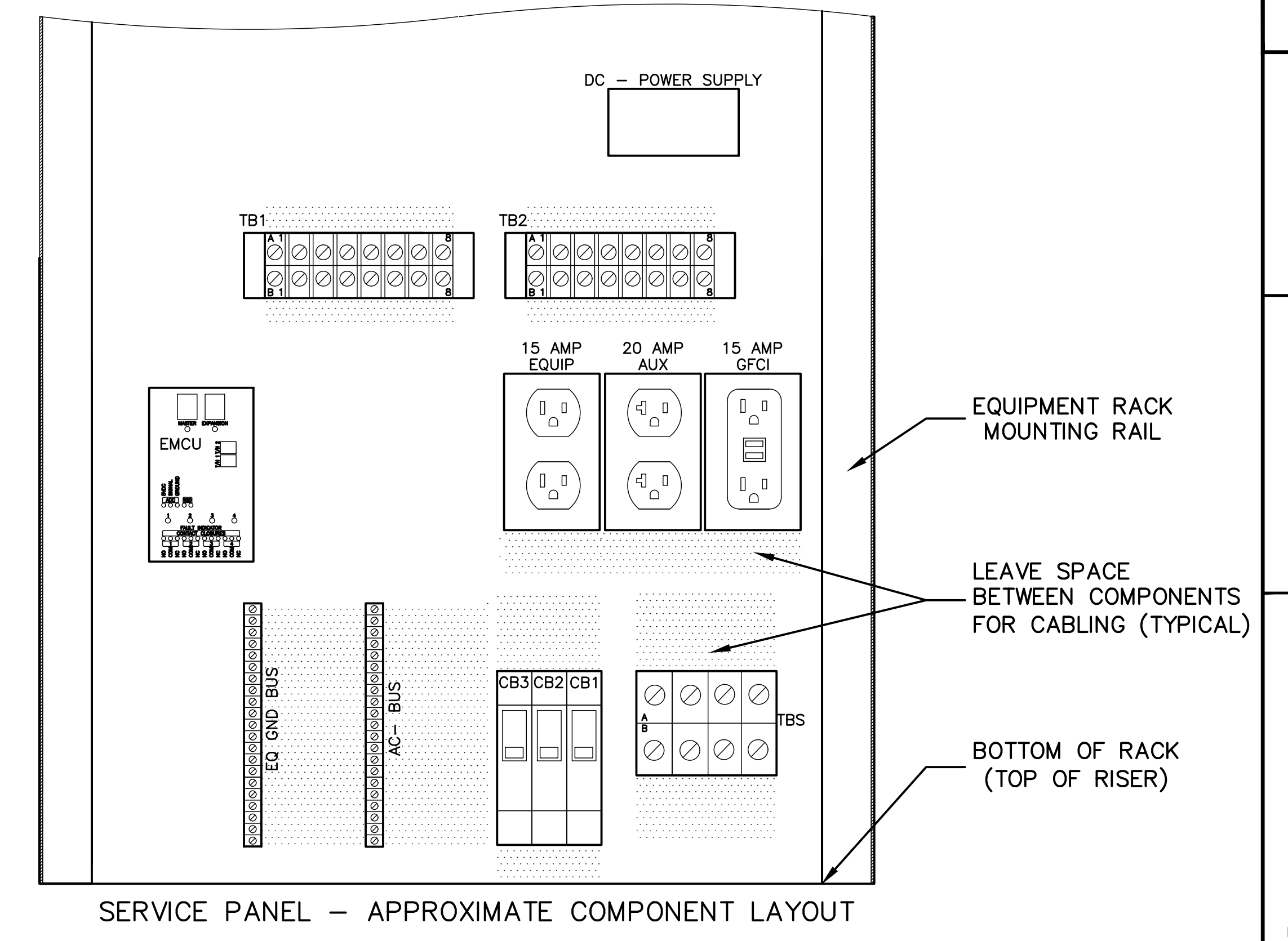
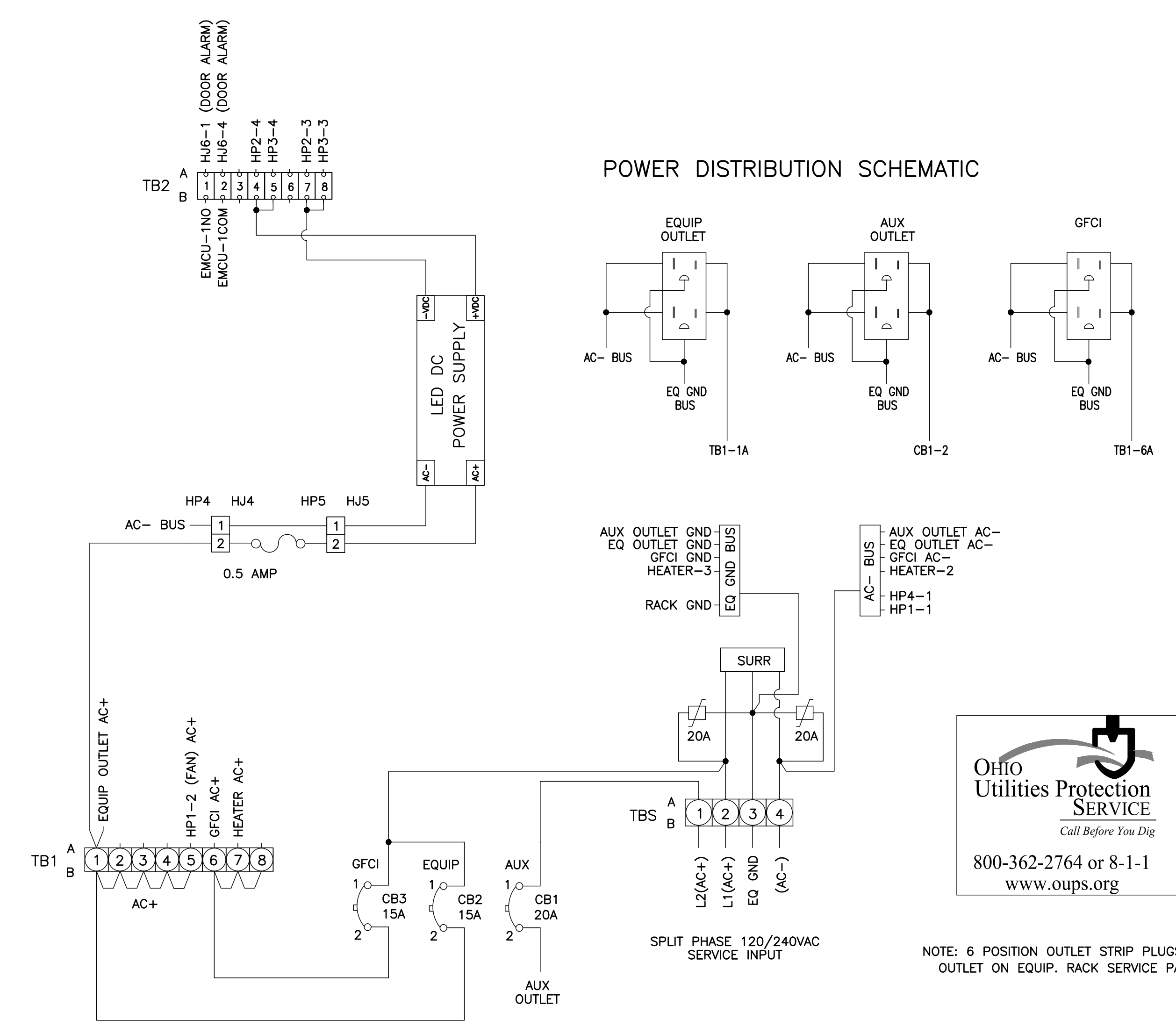




NOTE: 6 POSITION OUTLET STRIP PLUGS INTO  
OUTLET ON EQUIP. RACK SERVICE PANEL.



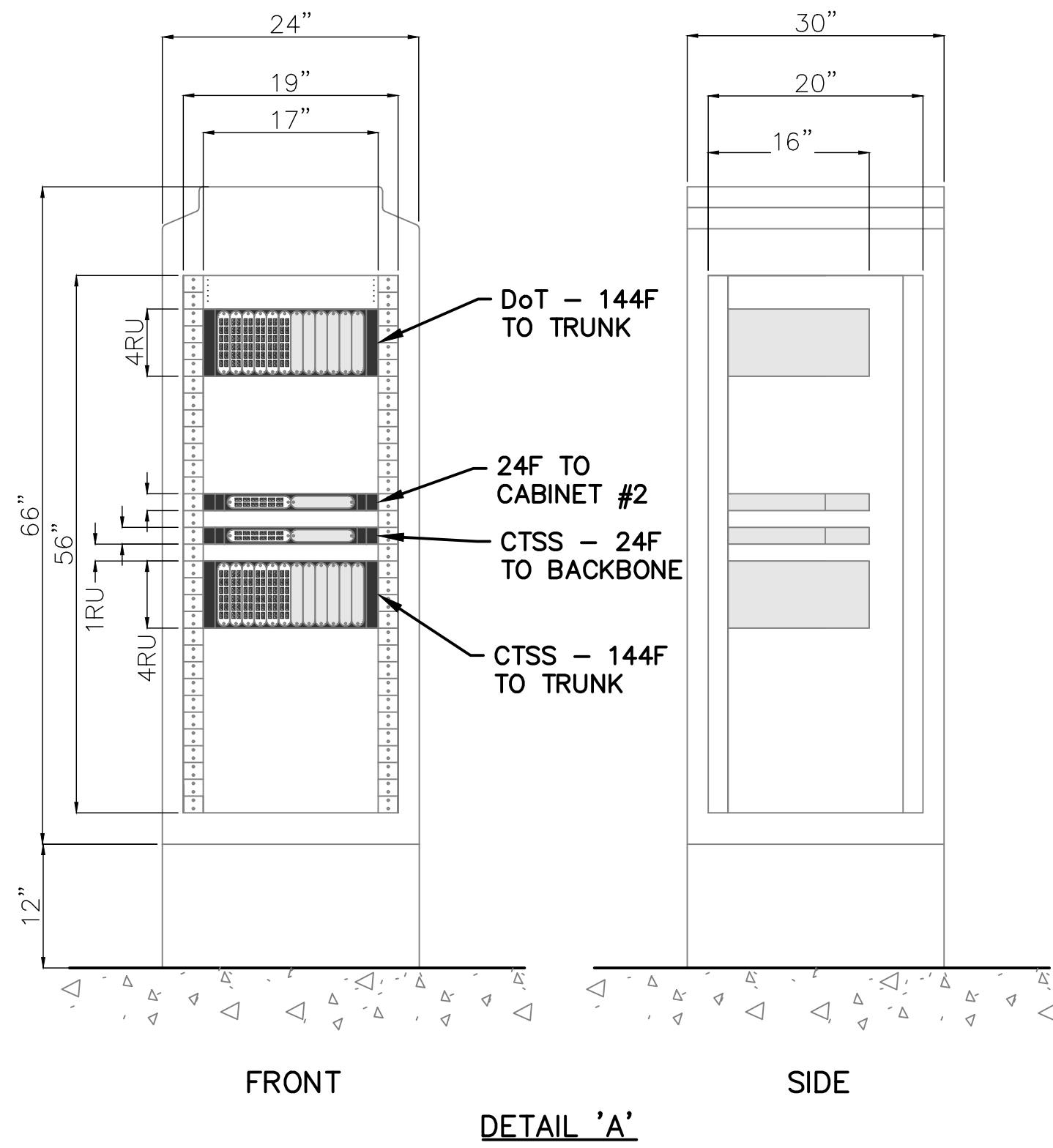
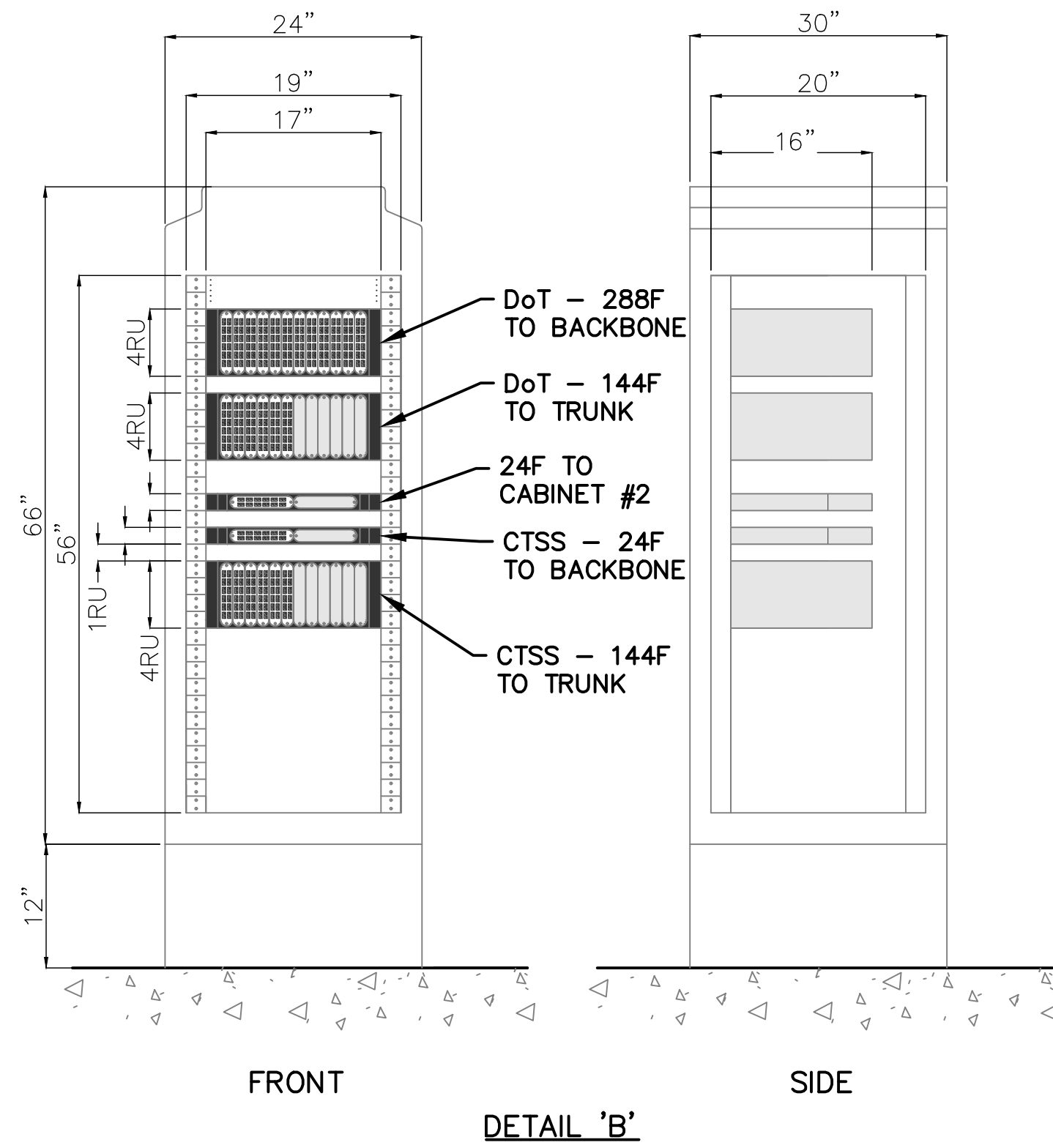
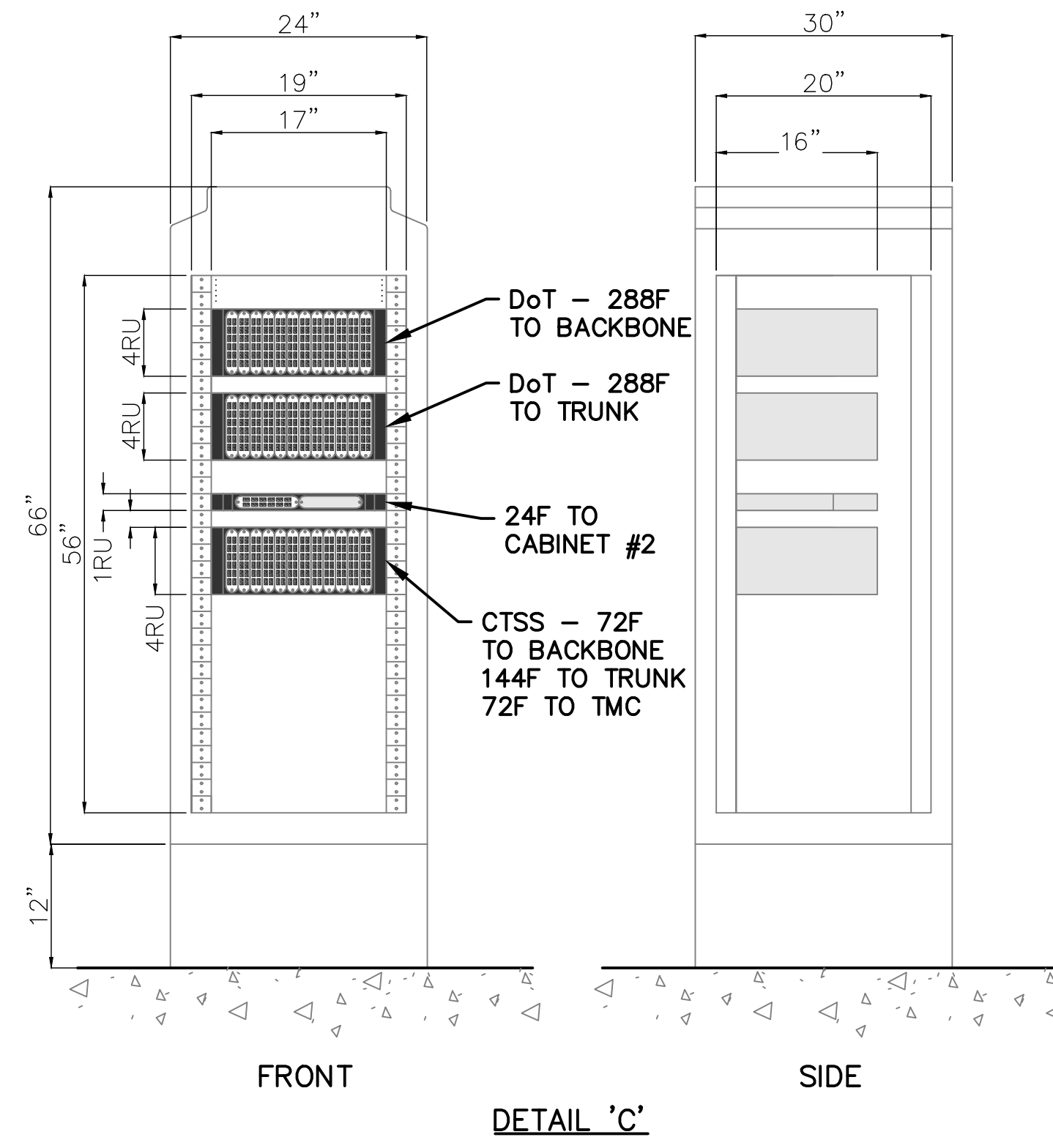
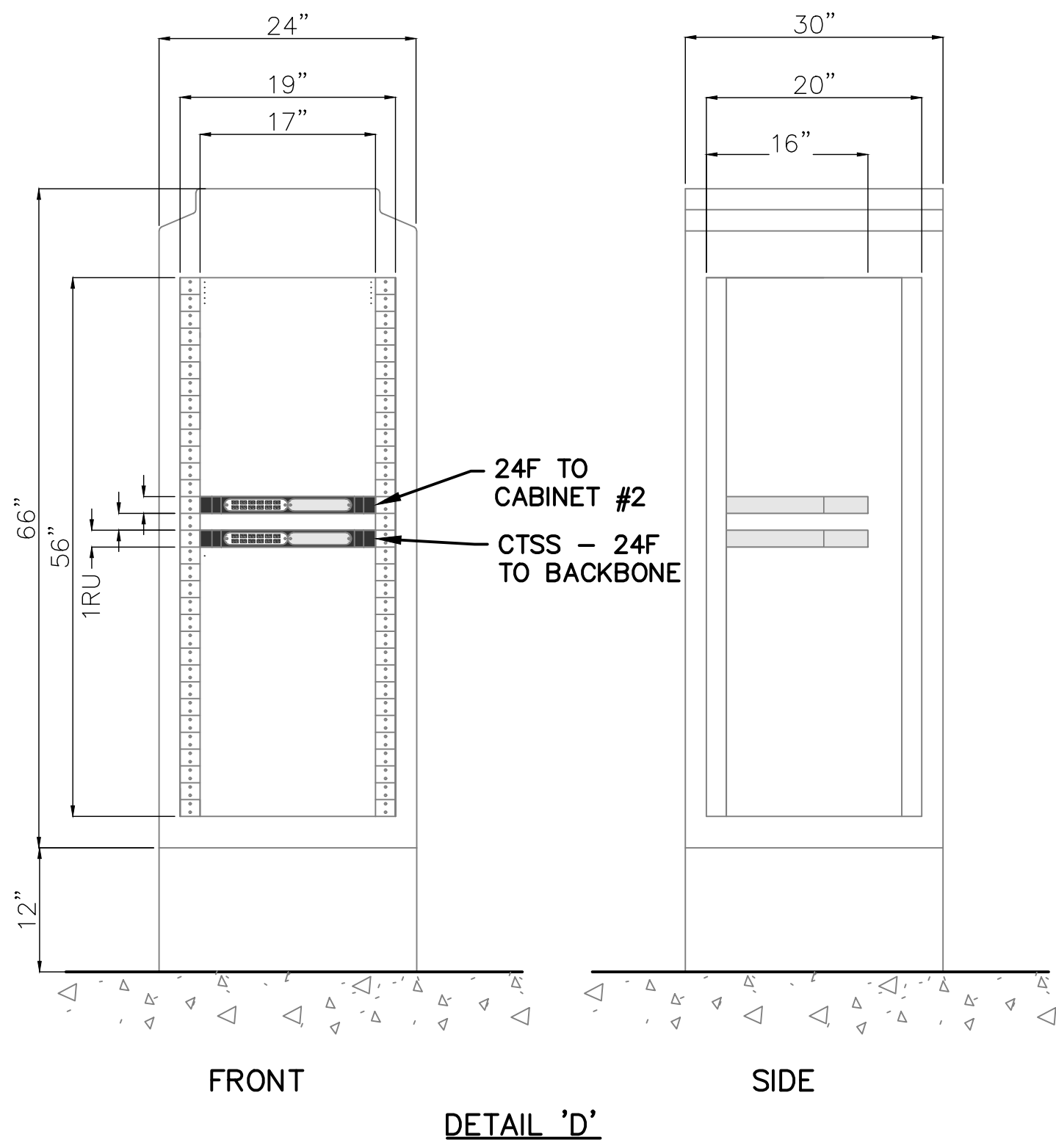
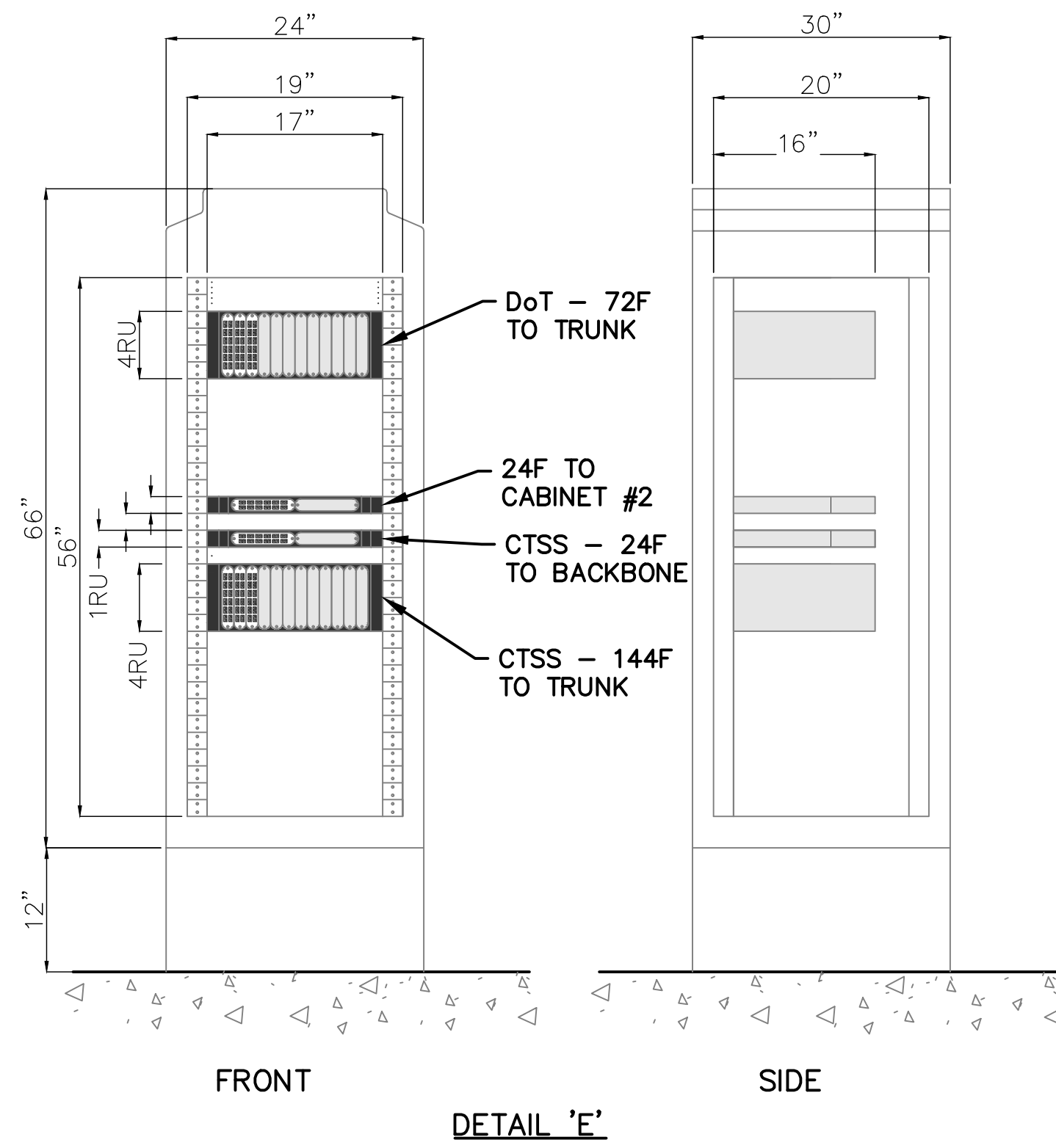
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NOTE: 6 POSITION OUTLET STRIP PLUGS INTO OUTLET ON EQUIP. RACK SERVICE PANEL.



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#### NODE SHEET INDEX

| NODE #   | MAJOR HIGHWAY | SECONDARY ROAD | PLAN SHEET # | COMM. SHEET # | DETAIL TYPE |
|----------|---------------|----------------|--------------|---------------|-------------|
| 070102.3 | I-70          | KELTON AVE     | 631          | 962           | B           |
| 071110.9 | I-71          | ELEVENTH AVE   | 644          | 964           | C           |
| 270041.3 | I-270         | MAIN ST        | 634          | 978           | B           |
| 270046.1 | I-270         | US-33          | 624          | 980           | E           |
| 270052.7 | I-270         | US-23          | 627          | 982           | D           |
| 270055.0 | I-270         | I-71           | 629          | 983           | D           |
| 670009.0 | I-670         | STELZER RD     | 636          | 960           | A           |
| 315004.4 | SR-315        | LANE AVE       | ###          | 968           | B           |
| 315006.2 | SR-315        | NORTH BROADWAY | 641          | 970           | B           |



#### NOTES

- (1) RU = 1.75"
- PATCH PANELS CAPABLE OF HOUSING TWELVE (12) HIGH DENSITY, DUPLEX LC-UPC MODULES WITH 24F CAPACITY PER INSERT PLATE.
- DoT - COLUMBUS DEPARTMENT OF TECHNOLOGY



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FIBER SCHEMATICS TABLE

| SHEET | STREET NAMES     | SEGMENT | SHEET NUMBERS                    | STATIONING                                                                            | Cable Distance (ft) |
|-------|------------------|---------|----------------------------------|---------------------------------------------------------------------------------------|---------------------|
| 65    | Hall             | HA-1    | 97, 101-102, 106                 | 5+25 to 45+75                                                                         | 4,737               |
|       | Norton           | NO-1    | 104-105                          | 3+50 to 19+75                                                                         | 1,947               |
|       | Norton           | NO-2    | 106-109, 111                     | 75+75 to 121+75                                                                       | 5,109               |
|       | Norton           | NO-3    | 111-112                          | 121+75 to 143+75                                                                      | 2,375               |
|       | Sullivan         | SU-1    | 111, 120-124                     | 45+50 to 130+00                                                                       | 10,502              |
|       | Georgesville     | GE-1    | 105, 114-118                     | 976+25 to 1044+25                                                                     | 7,772               |
|       | Fisher           | FS-1    | 132-135                          | 53+75 to 87+25                                                                        | 3,969               |
|       | Phillipi         | PH-1    | 135, 126-130                     | 1161+25 Georgesville Road to 59+00 Phillipi Road                                      | 7,247               |
|       | Holt             | HO-1    | 137-142                          | 9+25 to 96+25                                                                         | 9,772               |
|       | Hamilton         | HM-1    | 242-246                          | 471+00 to 526+25                                                                      | 6,465               |
|       | Broad            | BR-1    | 238-240                          | 410+25 to 430+00                                                                      | 2,531               |
|       | Main             | MA-1    | 230-231                          | 416+25 to 428+50                                                                      | 1,839               |
| 66    | Main             | MA-2    | 231, 234-236                     | 428+50 to 460+25                                                                      | 3,481               |
|       | Winchester       | WP-1    | 597-598                          | 8+50 to 24+50                                                                         | 1,924               |
|       | Winchester       | WP-2    | 598-600                          | 24+50 TO 67+25                                                                        | 4,695               |
|       | Winchester       | WP-3    | 600-603, 605-611                 | 67+25 to 234+00                                                                       | 18,703              |
|       | I-270            | I-270-5 | 592-593, 598                     | 2421+00 to 2438+00                                                                    | 2,502               |
|       | Hamilton         | HM-2    | 600, 613, 615-621                | 9+75 to 140+75                                                                        | 14,778              |
|       | Hendron          | HE-1    | 613                              | 39+75 to 44+25                                                                        | 729                 |
|       | Agler            | AG-1    | 459-461, 463-467, 469-470        | 7+25 to 27+50 Westerville Road, 0+00 to 73+75 Agler Road, 15+50 to 36+00 Sunbury Road | 12,828              |
|       | Stelzer          | ST-1    | 200-209, 1-212, 214-220, 221-225 | 67+50 to 107+00                                                                       | 17,711              |
|       | James            | JA-1    | 193-200, 205-208                 | 57+00 to 97+00                                                                        | 6,402               |
|       | Broad            | BR-2    | 147-200                          | 27+75 to 107+25                                                                       | 4,603               |
|       | Broad            | BR-3    | 200-201, 203                     | 260+25 to 282+50                                                                      | 2,729               |
| 67    | Main             | MA-3    | 192-193                          | 211+00 to 237+50                                                                      | 3,261               |
|       | Main             | MA-4    | 193-195                          | 237+50 to 264+00                                                                      | 3,299               |
|       | Coring St.       | SP-1    | 81                               | 106+75 to 117+00                                                                      | 1,023               |
|       | Tim St.          | TH-1    | 81, 85-89                        | 27+00 to 107+00                                                                       | 5,236               |
|       | Grand Ave        | GR-1    | 92-100                           | 84+00 to 140+00                                                                       | 3,420               |
|       | McGuffey St.     | MC-1    | 81                               | 17+50 to 38+00                                                                        | 3,004               |
|       | McGuffey St.     | MC-2    | 14                               | 17+00 to 29+50                                                                        | 1,250               |
|       | Main St.         | MA-7    | 149-150, 152-154                 | 109+50 to 148+00                                                                      | 4,655               |
|       | Main St.         | MA-8    | 154, 156                         | 148+00 to 155+00                                                                      | 881                 |
|       | Governor's Place | GO-1    | 164-166, 177                     | 2+50 to 9+75                                                                          | 916                 |
|       | Charlton Ave     | CH-1    | 177-187, 189-188                 | 0+00 to 167+00                                                                        | 1,600               |
|       | Long             | LG-1    | 177-177                          | 100+25 to 104+25                                                                      | 4,000               |
| 68    | Long             | LG-2    | 177-178, 180                     | 1040+25 to 1066+50                                                                    | 2,469               |
|       | Long             | LG-3    | 180-182, 184                     | 1060+50 to 1092+50                                                                    | 3,857               |
|       | Seventeenth      | SE-1    | 163, 175                         | 0+50 to 10+00                                                                         | 1,092               |
|       | Broad            | BR-4    | 164-165                          | 100+75 to 105+00                                                                      | 784                 |
|       | Wilme            | WI-1    | 165-171                          | 0+50 to 175+00                                                                        | 2,409               |
|       | Taylor           | TA-1    | 168, 180                         | 2+25 to 175+00                                                                        | 1,725               |
|       | Parkwood         | PW-1    | 171-180                          | 0+50 to 175+00                                                                        | 1,744               |
|       | Woodland         | WO-1    | 171-180                          | 0+50 to 175+00                                                                        | 1,716               |
|       | Nelson           | NE-1    | 184-185                          | 45+75 to 54+50                                                                        | 1,023               |
|       | Nelson           | NE-2    | 172, 184                         | 41+00 to 45+75                                                                        | 741                 |
|       | Nelson           | NE-3    | 154-155                          | 1+00 to 11+25                                                                         | 1,270               |
|       | Miller           | MR-1    | 149, 158-159, 160                | 147+00 King Ave to 30+00 Miller Ave                                                   | 1,031               |
| 69    | Mooberry         | MB-1    | 160-161                          | 60+00 to 170+00                                                                       | 958                 |
|       | North Broadway   | NB-1    | 555-557, 269                     | 247+00 to 342+25                                                                      | 5,515               |
|       | North Broadway   | NB-2    | 269, 427, 559-560                | 247+00 to 340+75                                                                      | 5,515               |
|       | Ackerman         | AC-1    | 336-337                          | 0+75 to 15+75                                                                         | 2,031               |
|       | Ackerman         | AC-2    | 262, 337-340                     | 15+75 to 45+25                                                                        | 4,038               |
|       | Dodridge         | DO-1    | 262, 417-419                     | 45+25 Ackerman Road to 33+00 Dodridge St                                              | 3,910               |
|       | Lane             | LA-1    | 327-329                          | 67+00 to 84+75                                                                        | 2,347               |
|       | Lane             | LA-2    | 329, 331-333, 410                | 84+75 to 124+50                                                                       | 4,784               |
|       | Chambers         | CH-1    | 309-310, 316                     | 19+25 to 38+75                                                                        | 2,280               |
|       | Kinnear          | KN-1    | 256, 318, 320-321                | 39+00 to 61+00                                                                        | 2,949               |
|       | Kenny            | KE-1    | 308, 316                         | 10+25 to 17+50                                                                        | 852                 |
|       | Kenny            | KE-2    | 316-318                          | 17+50 to 35+25                                                                        | 2,133               |
| 70    | Kenny            | KE-3    | 318, 322-324, 326-327            | 35+25 Kenny Rd to 67+00 Lave Ave                                                      | 5,927               |
|       | King             | KI-1    | 279-280, 303, 305-308            | 15+50 Fifth Ave to 9+00 North Star Rd to 66+00 King Ave                               | 7,150               |
|       | King             | KI-2    | 254, 312-314                     | 92+00 to 114+50                                                                       | 2,648               |
|       | Fifth            | FI-1    | 252, 280-283, 285                | 15+50 to 70+00                                                                        | 6,731               |
|       | Fifth            | FI-2    | 286                              | 83+25 to 91+00                                                                        | 931                 |
|       | Fifth            | FI-3    | 286, 288                         | 91+00 to 93+75                                                                        | 455                 |
|       | Fifth            | FI-4    | 288, 290, 292, 398               | 93+75 to 125+25                                                                       | 3,727               |
|       | Perry            | PE-1    | 254, 312-314                     | 14+50 King Ave to 0+00 to 10+75 Perry St to 91+00 Fifth Ave                           | 1,742               |
|       | Olentangy River  | OR-1    | 248-252                          | 63+25 to 96+25                                                                        | 3,920               |
|       | Olentangy River  | OR-2    | 252, 254                         | 96+25 to 107+75                                                                       | 1,475               |
|       | Olentangy River  | OR-3    | 254-256                          | 107+75 to 134+50                                                                      | 3,128               |
|       | Olentangy River  | OR-4    | 256-257                          | 134+50 to 137+75                                                                      | 525                 |
| 71    | Olentangy River  | OR-5    | 258, 260-262, 329                | 17+25 to 205+00                                                                       | 4,032               |
|       | Olentangy River  | OR-6    | 262-265, 267-268                 | 205+00 to 259+25                                                                      | 7,075               |
|       | Olentangy River  | OR-7    | 268-269                          | 259+25 to 264+00                                                                      | 884                 |
|       | Olentangy River  | OR-8    | 269, 271-273                     | 264+00 to 269+00                                                                      | 4,031               |
|       | Michigan         | MI-1    | 288-289                          | 4+25 to 15+50                                                                         | 1,319               |
|       | Third St.        | TH-2    | 275-277, 280                     | 15+50 Grandview Ave to 21+50 Third Ave                                                | 3,334               |

| SHEET | STREET NAMES   | SEGMENT | SHEET NUMBERS             | STATIONING                                         | Cable Distance (ft) |
|-------|----------------|---------|---------------------------|----------------------------------------------------|---------------------|
| 69    | High           | HI-1    | 443-447                   | 371+00 to 408+50                                   | 4,330               |
|       | High           | HI-2    | 436, 439-440, 442-443     | 329+50 to 371+00                                   | 4,806               |
|       | High           | HI-3    | 427-432, 434-436          | 257+25 to 329+50                                   | 8,679               |
|       | High           | HI-4    | 421-425, 427              | 204+75 to 257+25                                   | 6,256               |
|       | High           | HI-5    | 417, 421                  | 201+25 to 204+75                                   | 572                 |
|       | High           | HI-6    | 410-412, 415, 417         | 161+75 to 201+25                                   | 4,640               |
|       | High           | HI-7    | 398-400, 402-405, 408-410 | 91+25 to 161+75                                    | 9,661               |
|       | Morse          | MO-1    | 443, 449-451              | 0+50 to 52+25                                      | 6,245               |
|       | Henderson      | HN-1    | 436-438                   | 239+50 to 261+50                                   | 2,414               |
|       | North Broadway | NB-2    | 269, 427, 559-562         | 58+25 to 100+75                                    | 6,072               |
|       | North Broadway | NB-3    | 427, 533, 563-566         | 100+75 to 142+75                                   | 4,949               |
|       | Indianola      | IN-1    | 539-540                   | 116+00 to 121+00                                   | 703                 |
| 70    | Indianola      | IN-2    | 533-534, 536-539          | 57+75 to 116+00                                    | 6,961               |
|       | Indianola      | IN-3    | 531-533                   | 33+25 to 57+75                                     | 3,014               |
|       | Indianola      | IN-4    | 529-531                   | 7+25 to 33+25                                      | 3,077               |
|       | Indianola      | IN-5    | 482, 529                  | 35+00 Hudson St to 7+25 Indianola Ave              | 955                 |
|       | Cooke          | CO-1    | 539, 542-544              | 0+25 to 40+25                                      | 4,307               |
|       | Weber          | WE-1    | 531, 546-547              | 35+25 to 51+75                                     | 2,094               |
|       | Weber          | WE-2    | 547-548                   | 51+75 to 62+25                                     | 1,384               |
|       | Silver         | SI-1    | 484, 486                  | 4+25 to 9+00                                       | 720                 |
|       | Silver         | SI-2    | 547, 550-551, 553         | 43+00 Silver Drive to 161+25 North Broadway        | 3,870               |
|       | Arcadia        | AR-1    | 421, 526-527, 529         | 0+25 to 28+75                                      | 3,373               |
|       | Hudson         | HU-1    | 482-485                   | 35+00 to 58+75                                     | 3,434               |
|       | Hudson         | HU-2    | 415-416                   | 3+25 to 8+25                                       | 773                 |
| 71    | Dodridge       | DO-2    | 452, 417-419              | 45+25 Ackerman Road to 33+00 Dodridge St           | 3,910               |
|       | Lane           | LA-3    | 329, 331-333              | 84+75 to 124+50                                    | 4,784               |
|       | Lane           | LA-4    | 329, 331-333              | 84+75 to 124+50                                    | 4,784               |
|       | High           | HI-8    | 390, 397-398              | 76+50 to 91+25                                     | 1,791               |
|       | High           | HI-9    | 387-390                   | 42+30 to 76+50                                     | 4,309               |
|       | Fifth          | FI-4    | 288, 290, 292, 398        | 93+75 to 125+25                                    | 3,727               |
|       | Fifth          | FI-5    | 292, 297-298              | 125+25 to 197+25                                   | 7,188               |
|       | Fifth          | FI-6    | 297, 299-300              | 170+75 to 197+25                                   | 3,430               |
|       | Cleveland      | CL-1    | 457, 572-577              | 48+00 Cleveland Ave to 28+50 Twentieth St to 17+00 | 7,895               |
|       | Second         | SD-1    | 390, 392-395              | 0+00 to 42+25                                      | 5,292               |
|       | Seventeenth    | SE-2    | 472-475, 477-480          | 6+80 to 88+75                                      | 9,993               |
|       | I-270          | I-270-1 | 568-573, 629              | 2901+00 to 2902+00, 0+00 to 117+00                 | 12,269              |
| 72    | I-270          | I-270-2 | 72-57, 575-578            | 0+00 to 117+00                                     | 12,314              |
|       | I-270          | I-270-3 | 575-582, 592              | 786+50 to 2901+00                                  | 12,314              |
|       | I-270          | I-270-4 | 582-592, 598              | 789+50 to 2786+50                                  | 36,954              |
|       | I-270          | I-270-5 | 592-598, 598              | 23+00 to 2439+50                                   | 8,742               |
|       | Karl           | KA-1    | 509, 511-515, 517-518     | 243+00 to 69+25                                    | 2,502               |
|       | Karl           | KA-2    | 518-521                   | 0+50 to 69+25                                      | 8,044               |
|       | Ferris         | FE-1    | 518, 523-524              | 69+25 to 105+75                                    | 4,633               |
|       | Grand Park     | GP-1    | 504, 506-508, 553-555     | 0+00 to 38+75                                      | 4,200               |
|       | Grand Park     | GP-2    | 508, 509                  | 161+25 North Broadway to 107+00 Grand Park Ave     | 5,381               |
|       | Grand Park     | GP-3    | 508, 509                  | 100+00 to 116+00                                   | 7,562               |
|       | Silver         | SI-2    | 547, 550-551, 553         | 43+00 Silver Drive to 161+25 North Broadway        | 3,870               |
|       | I-71           | I-71-1  | 553                       | 1179+00 to 1182+75                                 | 322                 |
| 73    | Joyce          | JO-1    | 493, 496-497              | 37+50 to 52+80                                     | 1,756               |
|       | Henderson      | HN-2    | 493, 493                  | 93+25 to 150+00                                    | 6,899               |
|       | Hudson         | HU-2    | 493-504                   | 150+00 to 162+25                                   | 1,573               |
|       | McGuffey       | MC-1    | 488, 492-501, 508         | 10+00 to 75+00                                     | 7,850               |

DISCLAIMER: THIS INFORMATION IS TO AID THE CONTRACTOR ON APPROXIMATE FIBER SEGMENT LENGTHS. CONTRACTOR IS STILL RESPONSIBLE FOR VERIFYING LENGTHS BASED ON THE PLAN SHEETS.

CIP: 540007-100006  
PID NUMBER: 82573

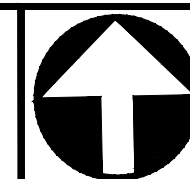
FIBER SCHEMATICS TABLE  
VOL 1 -- 1 of 1

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT









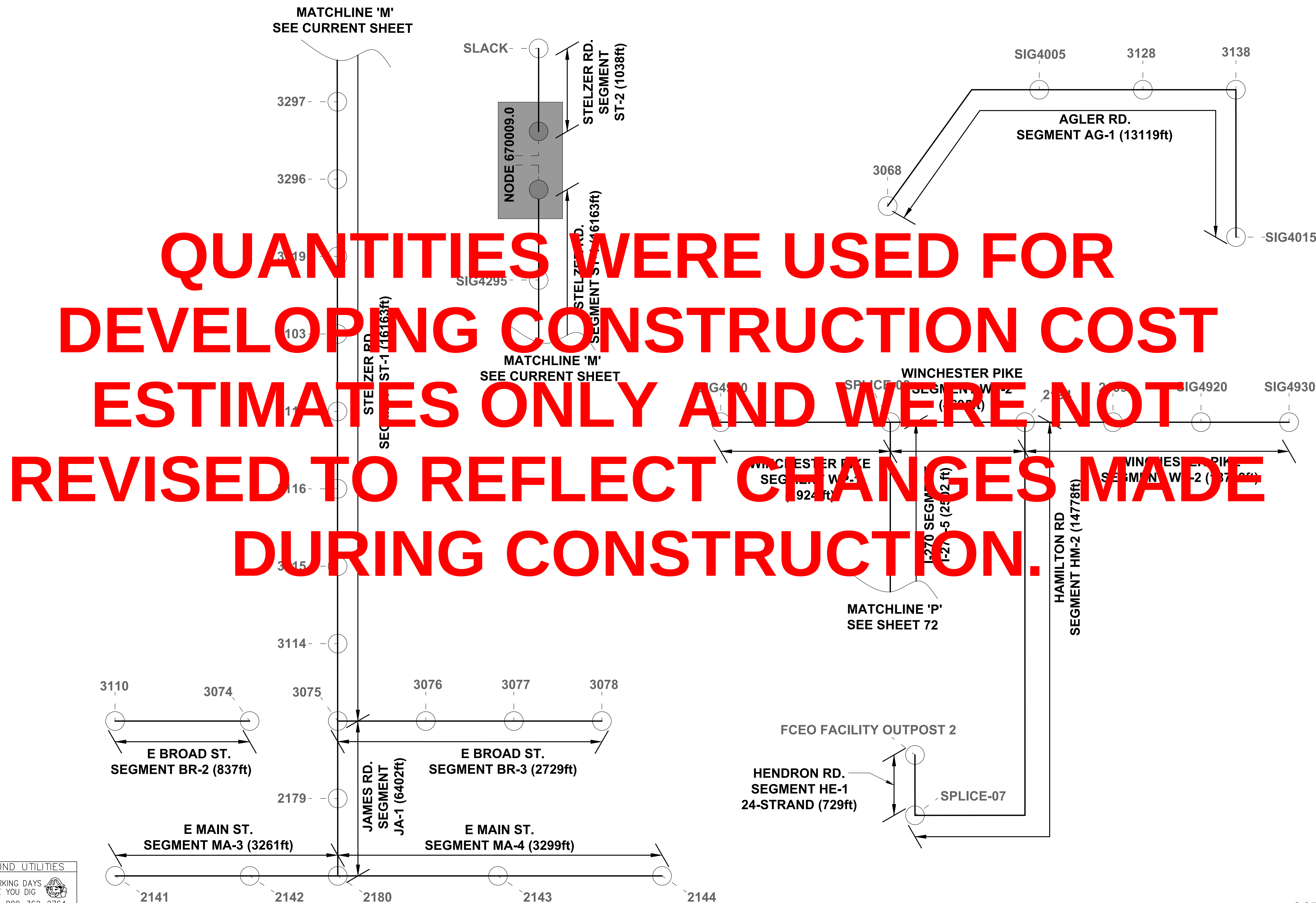
CIP: 540007-100006  
PID NUMBER: 82573

FIBER OPTIC CABLE SCHEMATICS  
2 OF 6

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

68  
1000

3150-E



QUANTITIES WERE USED FOR  
DEVELOPING CONSTRUCTION COST  
ESTIMATES ONLY AND WERE NOT  
REVISED TO REFLECT CHANGES MADE  
DURING CONSTRUCTION.

J:\oha\60135\TCHPRD00\Communications\Ph.D\_Fiber\_Schematics.dwg - TRUNK\_1 layout ~ last saved by gburch 09/07/2016 01:01pm ~ printed 03/18/2020 04:05pm

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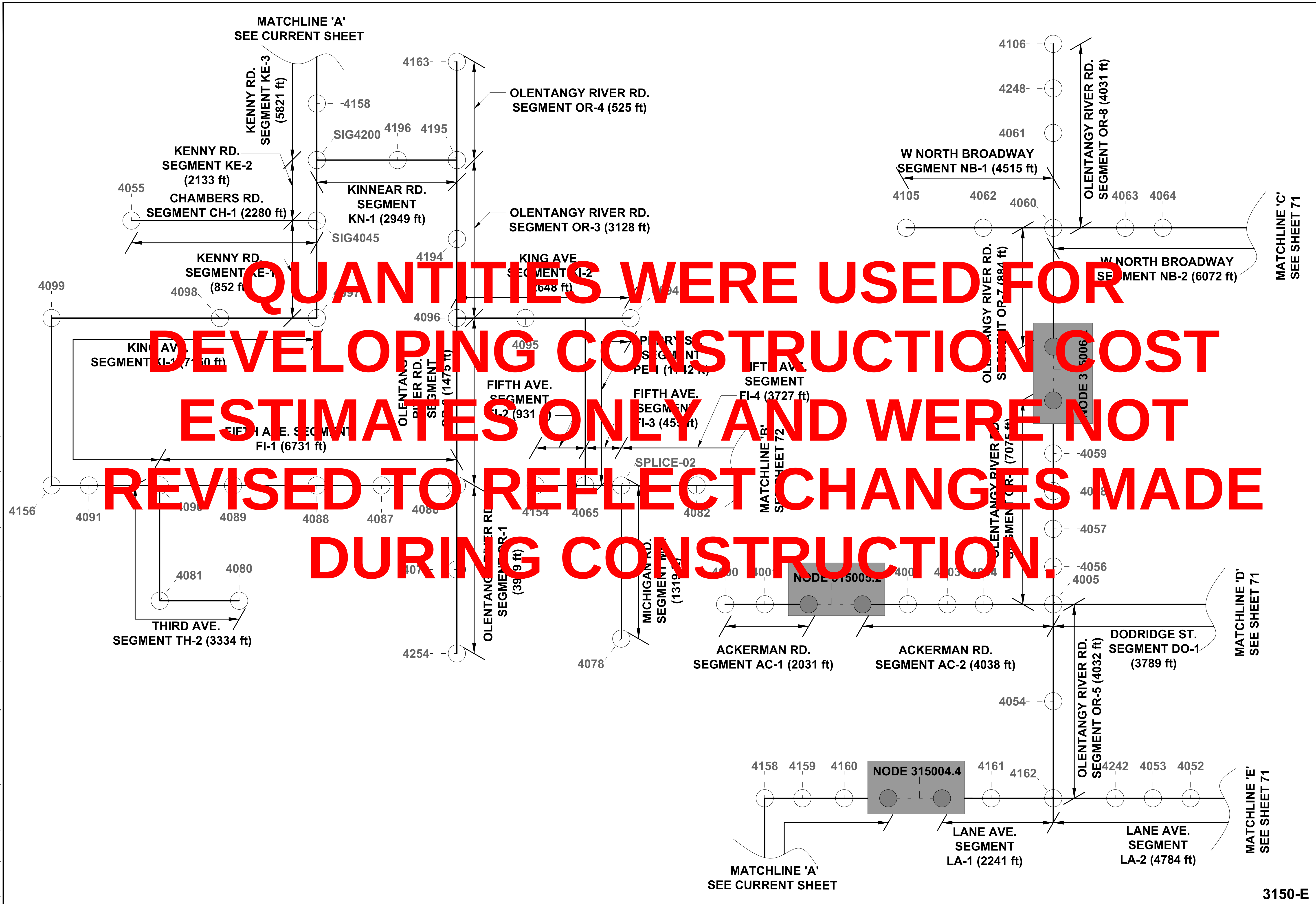






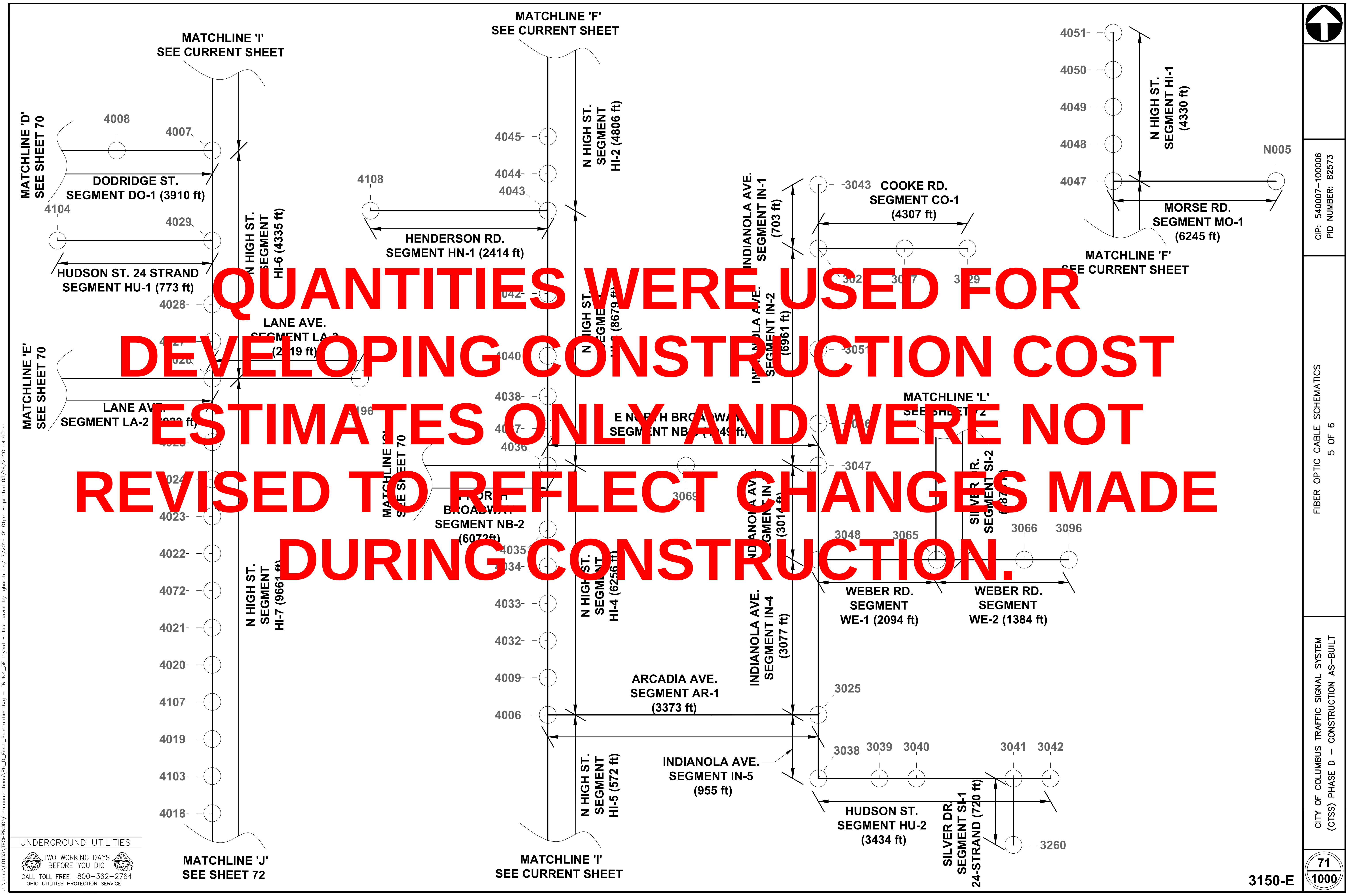


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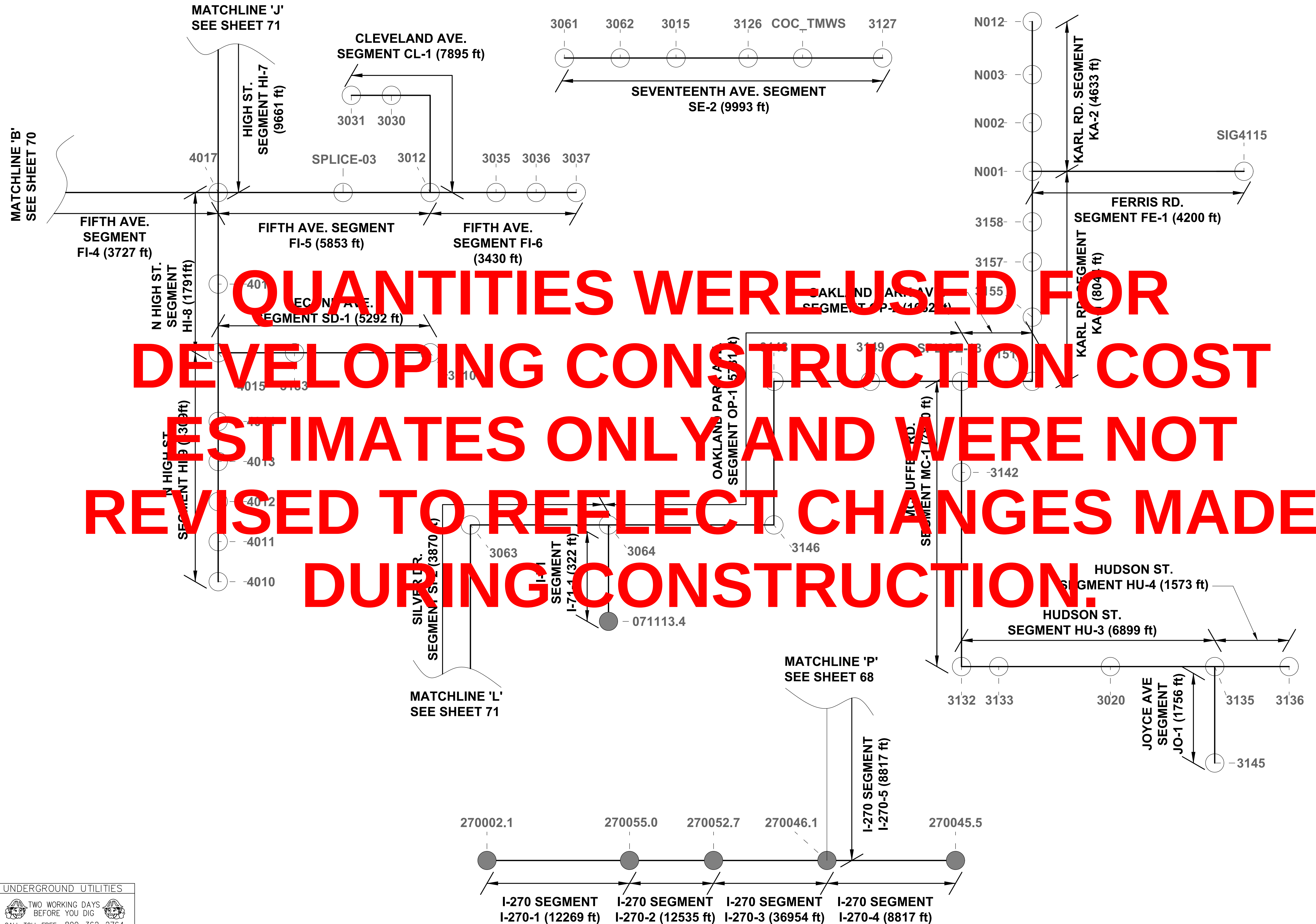


QUANTITIES WERE USED FOR  
DEVELOPING CONSTRUCTION COST  
ESTIMATES ONLY AND WERE NOT  
REVISED TO REFLECT CHANGES MADE  
DURING CONSTRUCTION.





QUANTITIES WERE USED FOR  
DEVELOPING CONSTRUCTION COST  
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REVISED TO REFLECT CHANGES MADE  
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SHEET INTENTIONALLY LEFT BLANK



J:\jobs\60135\TECHPROD\Sheets\ST\_CTSS\_Blank\_Sheet\_placeholders.dwg -- BLANK(2) layout ~ last saved by skoganti 04/06/2018 03:43pm ~ printed 03/18/2020 04:06pm

SHEET INTENTIONALLY LEFT BLANK



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SHEET INTENTIONALLY LEFT BLANK



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SHEET INTENTIONALLY LEFT BLANK



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SHEET INTENTIONALLY LEFT BLANK



J:\jobs\60135\TECHPROD\Sheets\ST\_CTSS\_Blank\_Sheet\_placeholders.dwg -- BLANK (6) layout ~ last saved by: skoganti 04/06/2018 03:43pm ~ printed 03/18/2020 04:06pm

SHEET INTENTIONALLY LEFT BLANK



J:\jobs\60135\TECHPROD\Sheets\ST\_CTSS\_Blank\_Sheet\_placeholders.dwg -- BLANK (7) layout ~ last saved by: skoganti 04/06/2018 03:43pm ~ printed 03/18/2020 04:06pm

SHEET INTENTIONALLY LEFT BLANK

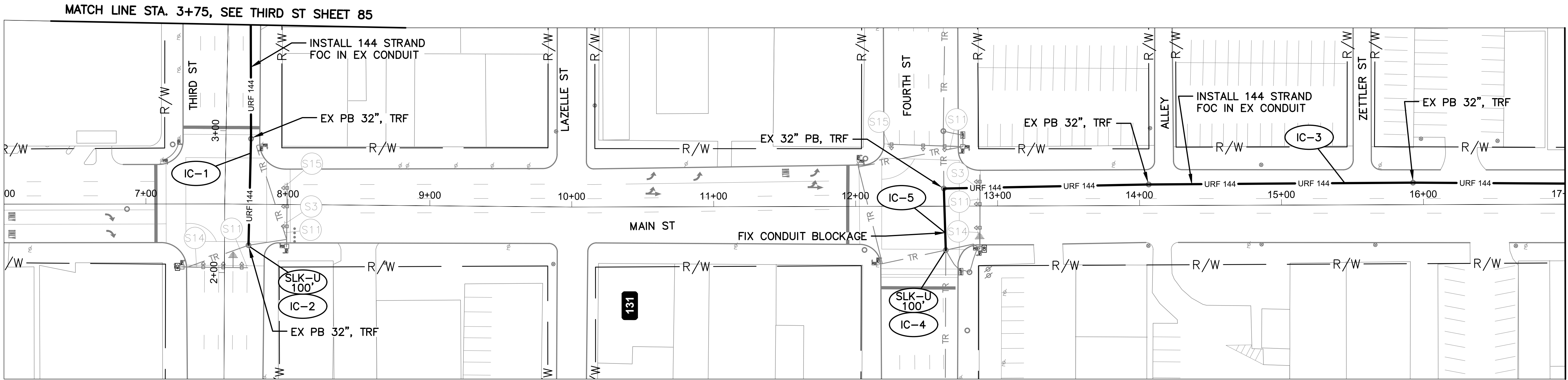


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SHEET INTENTIONALLY LEFT BLANK



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk5.MAIN\_INTERCONNECT.dwg -- MAIN-1A layout -- last saved by: Beens 12/11/2019 11:05am ~ printed 03/18/2020 04:07pm



E MAIN ST BETWEEN STATION 6+00 AND 17+00

- NOTES:
- SEE SHEET 84 FOR QUANTITIES.

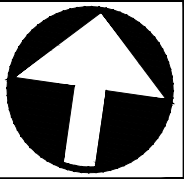
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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



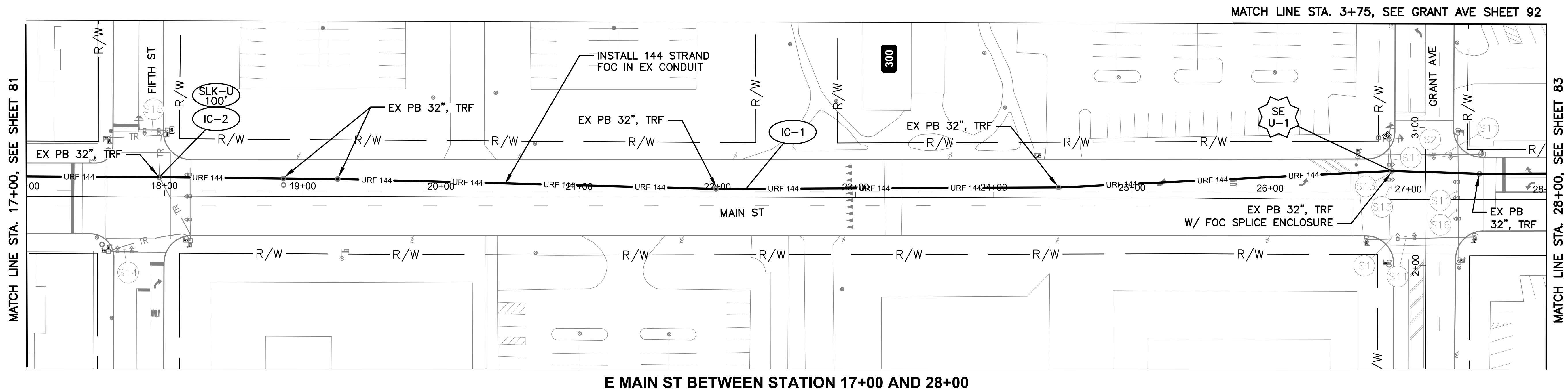
CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
MAIN ST BETWEEN STA. 6+00 AND 17+00, INTS 0076 & 0077

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk5.MAIN\_INTERCONNECT.dwg -- MAIN-1B layout -- last saved by: jbeens 12/11/2019 11:05am ~ printed 03/18/2020 04:07pm

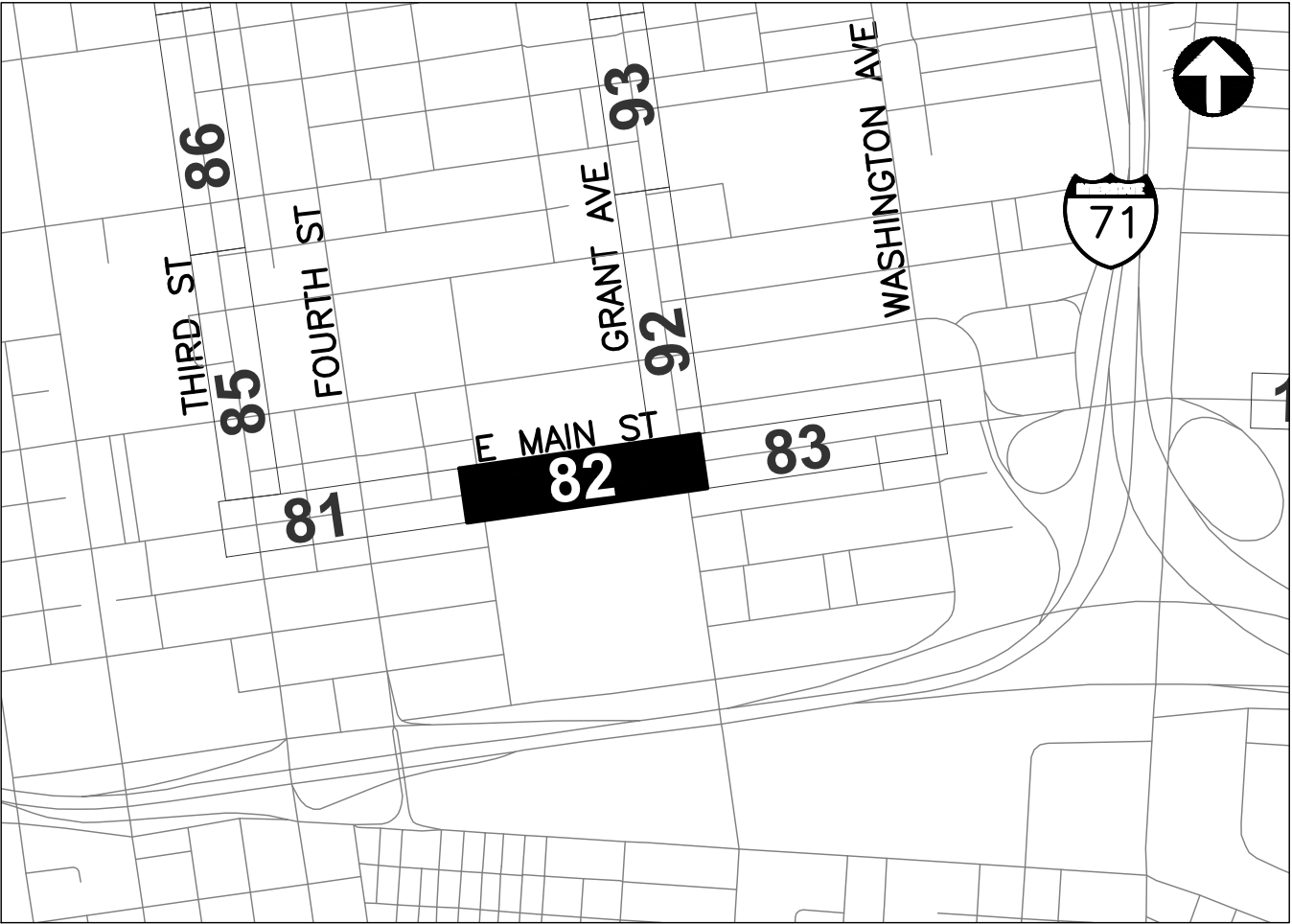


E MAIN ST BETWEEN STATION 17+00 AND 28+00

- NOTES:
1. SEE SHEET 84 FOR QUANTITIES.

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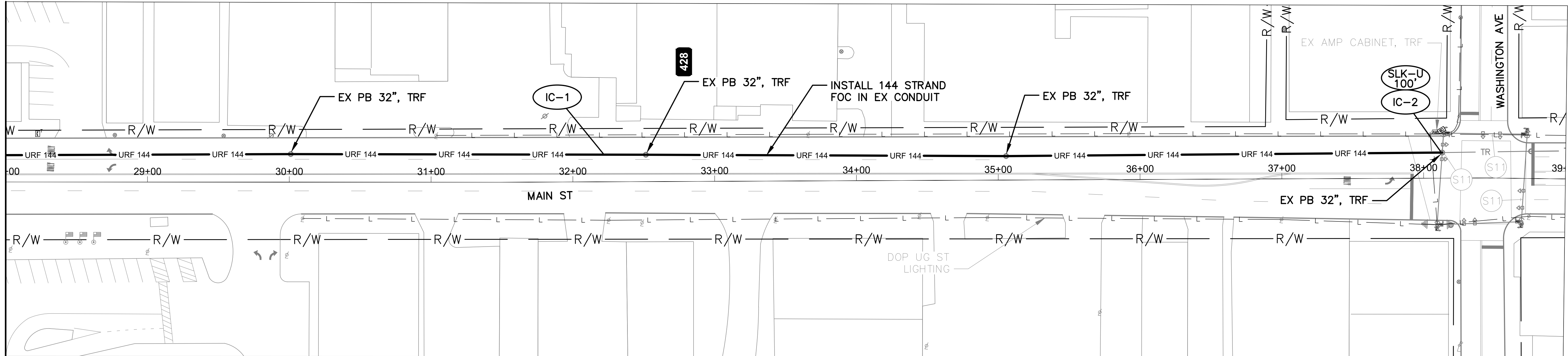
REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk5\_MAIN.INTERCONNECT.dwg -- MAIN-1C layout -- last saved by: jbeens 12/11/2019 11:05am ~ printed 03/18/2020 04:08pm

MATCH LINE STA. 28+00, SEE SHEET 82



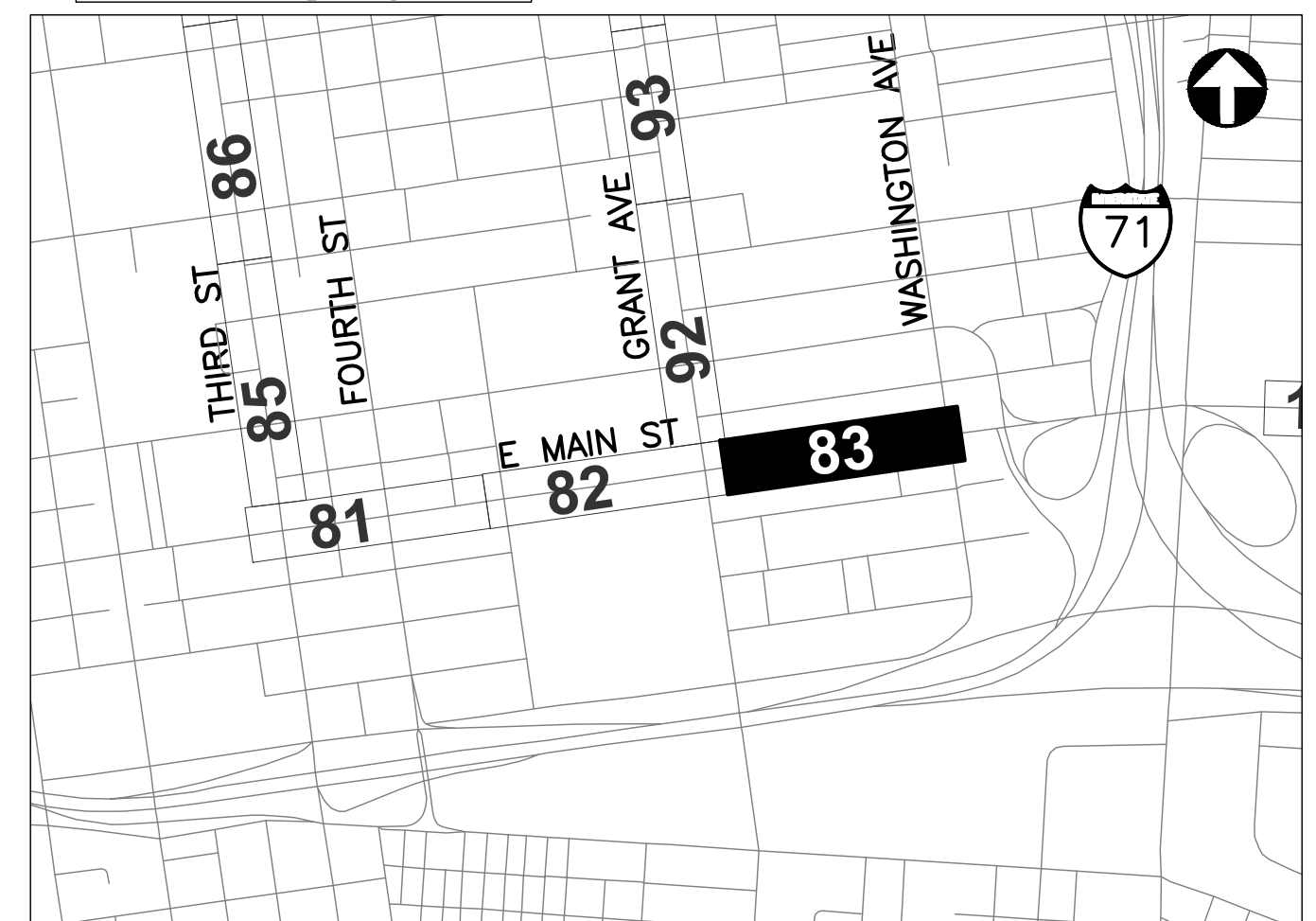
E MAIN ST BETWEEN STATION 28+00 AND 39+00

NOTES:

1. SEE SHEET 84 FOR QUANTITIES.

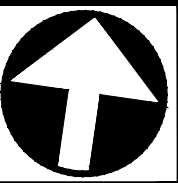


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  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-10006  
PID NUMBER: 82573

INTERCONNECT PLAN  
MAIN ST BETWEEN STA. 28+00 AND 39+00, INT 0080

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

83  
1000

3150-E



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk2.MAIN\_IC-QUANTITIES.dwg -- MAIN-01 layout -- last saved by: gburch 07/29/2016 03:13pm -- printed 03/18/2020 04:08pm

| ESTIMATED QUANTITIES                                    |               |          |               |               |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------------------------|---------------|----------|---------------|---------------|------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SHEET NO.                                               | REFERENCE NO. | LOCATION | STATION       |               | 202                                            | 625                                          | 632                                                                  | 632                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                         |               |          | FROM          | TO            | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | CONDUIT, MISC.: CONDUIT<br>RESTORATION<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>UNDERGROUND<br>INTERCONNECT<br>FT |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| MAIN ST. BETWEEN STA. 6+00 AND 17+00, INTS 0076 & 0077  |               |          |               |               |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 81                                                      | IC-1          | MAIN ST  | 7+72, 29' RT  | 7+72, 126' LT | 155                                            |                                              | 155                                                                  | 155                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 81                                                      | IC-2          | MAIN ST  | 7+72, 29' RT  |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 81                                                      | IC-3          | MAIN ST  | 12+63, 31' RT | 17+00, 15' LT | 490                                            |                                              | 490                                                                  | 490                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 81                                                      | IC-4          | MAIN ST  | 12+63, 31' RT |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 81                                                      | IC-5          | MAIN ST  | 12+63, 14' RT | 12+63, 24' RT |                                                | 10                                           |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| MAIN ST. BETWEEN STA. 17+00 AND 28+00, INTS 0078 & 0079 |               |          |               |               |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 82                                                      | IC-1          | MAIN ST  | 17+00, 15' LT | 28+00, 19' LT | 1,013                                          |                                              | 1,013                                                                | 1,100                                                                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 82                                                      | IC-2          | MAIN ST  | 17+00, 14' LT |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 82                                                      | IC-3          | MAIN ST  | 26+03, 29' LT |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| MAIN ST. BETWEEN STA. 28+00 AND 39+00, INT 0080         |               |          |               |               |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 83                                                      | IC-1          | MAIN ST  | 28+00, 19' LT | 39+00, 18' LT | 1,013                                          |                                              | 1,013                                                                | 1,100                                                                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 83                                                      | IC-2          | MAIN ST  | 38+03, 18' LT |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| SHEET TOTAL                                             |               |          |               |               | 2,759                                          | 10                                           | 3,259                                                                | 2,759                                                                              | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT

CIP: 540007--100006  
PID NUMBER: 82573

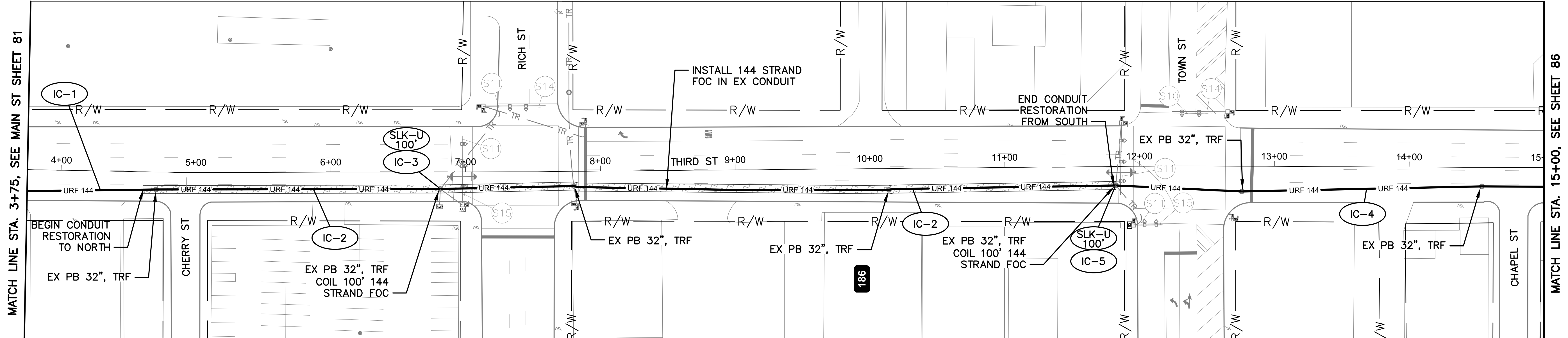
MAIN ST BTW STA. 6+00 & 39+00  
INTS 0076, 0077, 0078, 0079, 0080

84

1000



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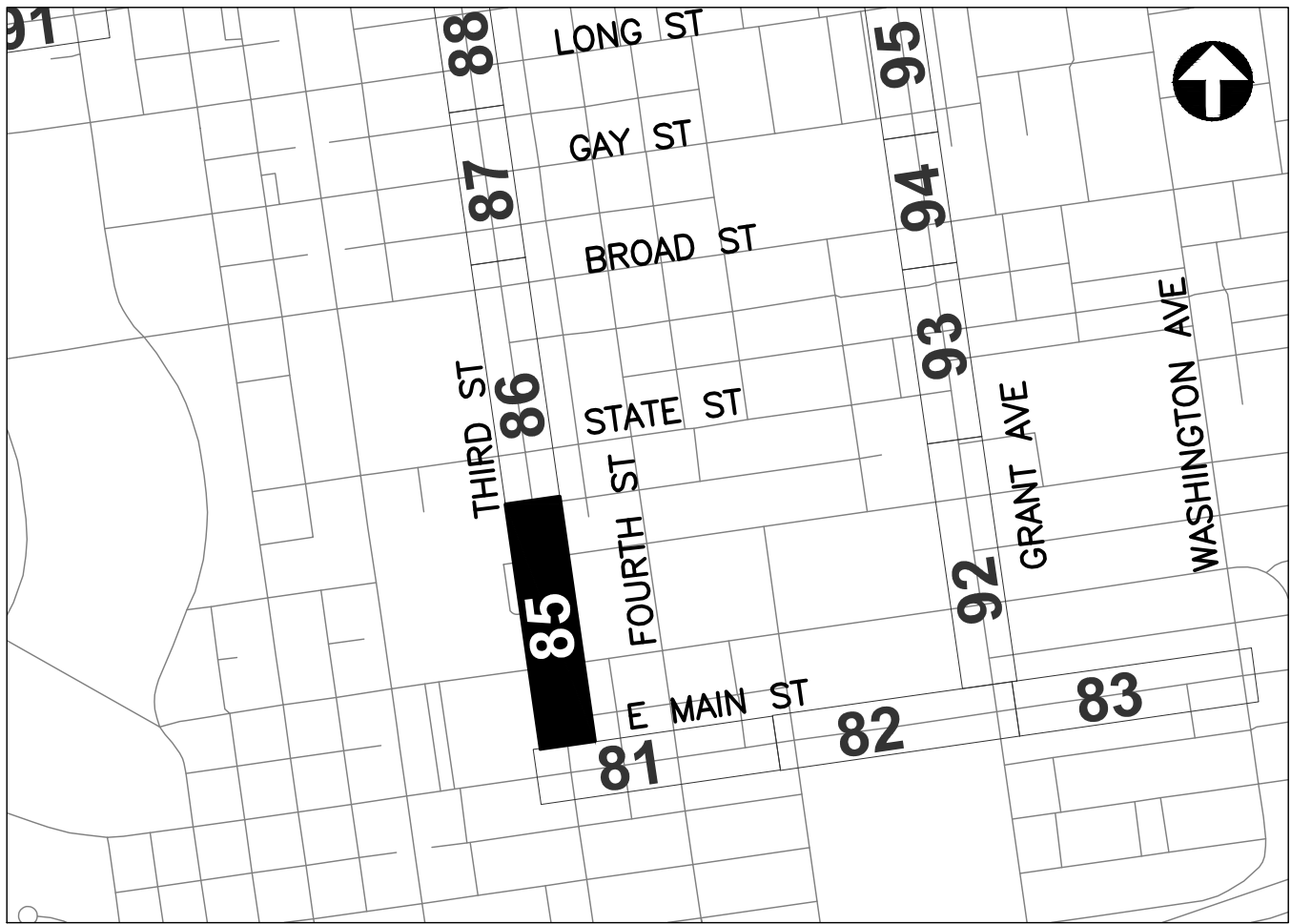


THIRD ST BETWEEN STATION 3+75 AND 15+00

NOTES:  
1. SEE SHEET 90 FOR QUANTITIES.

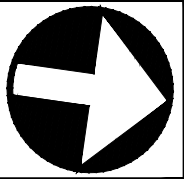
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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



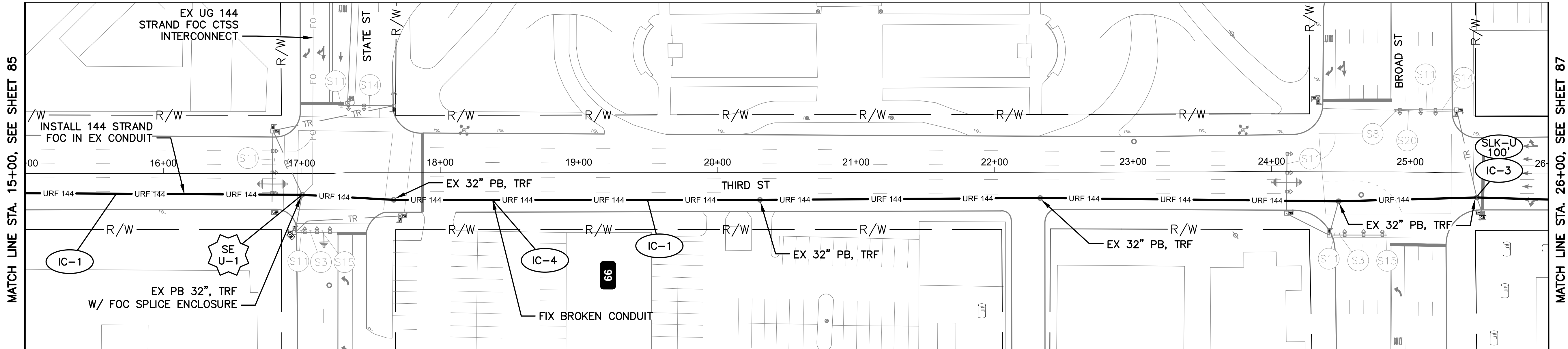
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PID NUMBER: 82573

INTERCONNECT PLAN  
THIRD ST BETWEEN STA. 3+75 AND 15+00, INTS 0070 & 0063

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



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THIRD ST BETWEEN STATION 15+00 AND 26+00

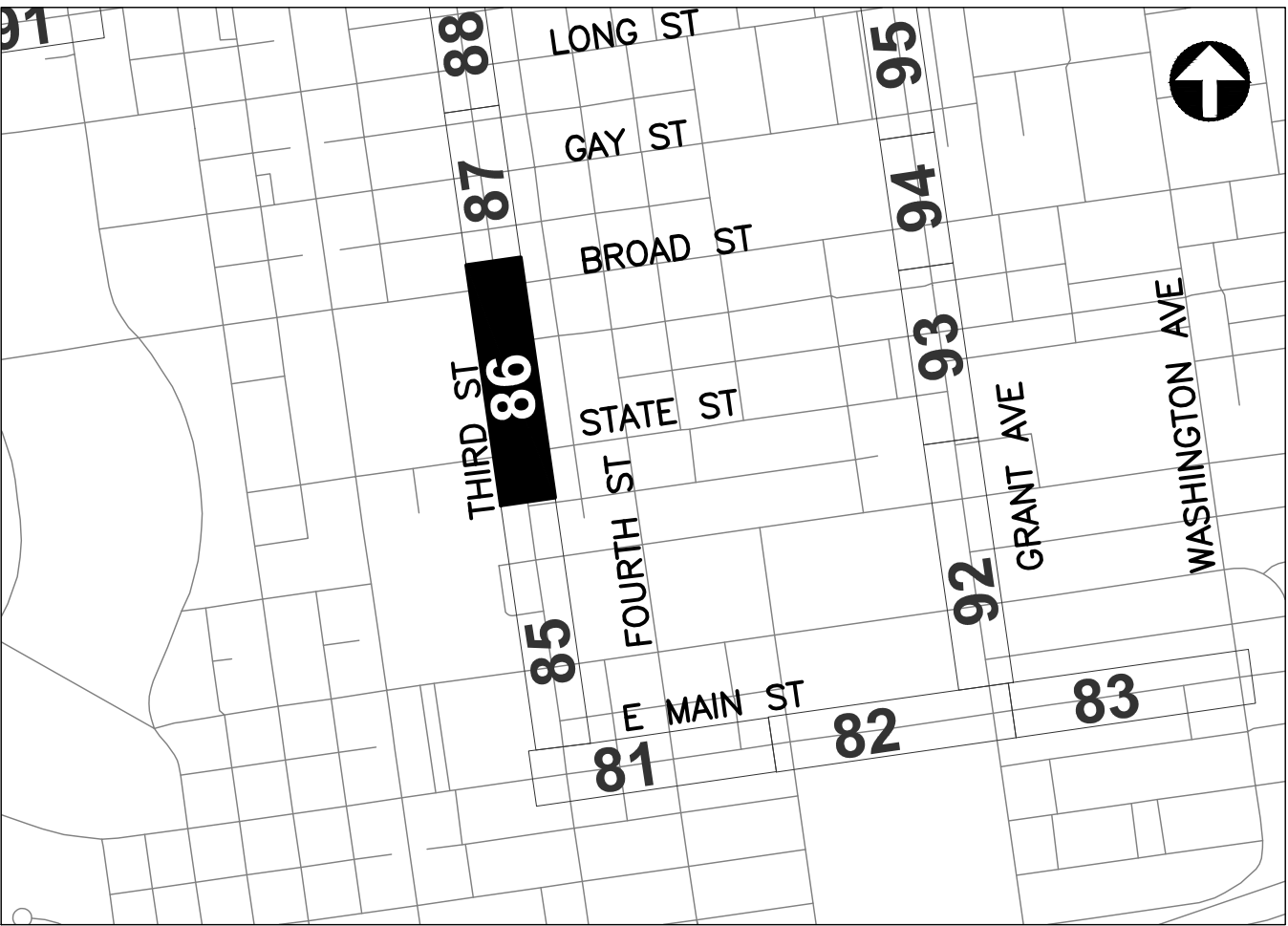
NOTES:

1. SEE SHEET 90 FOR QUANTITIES.

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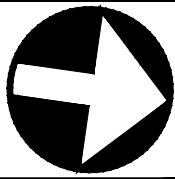
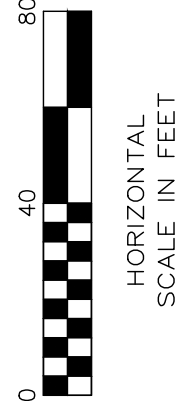
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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



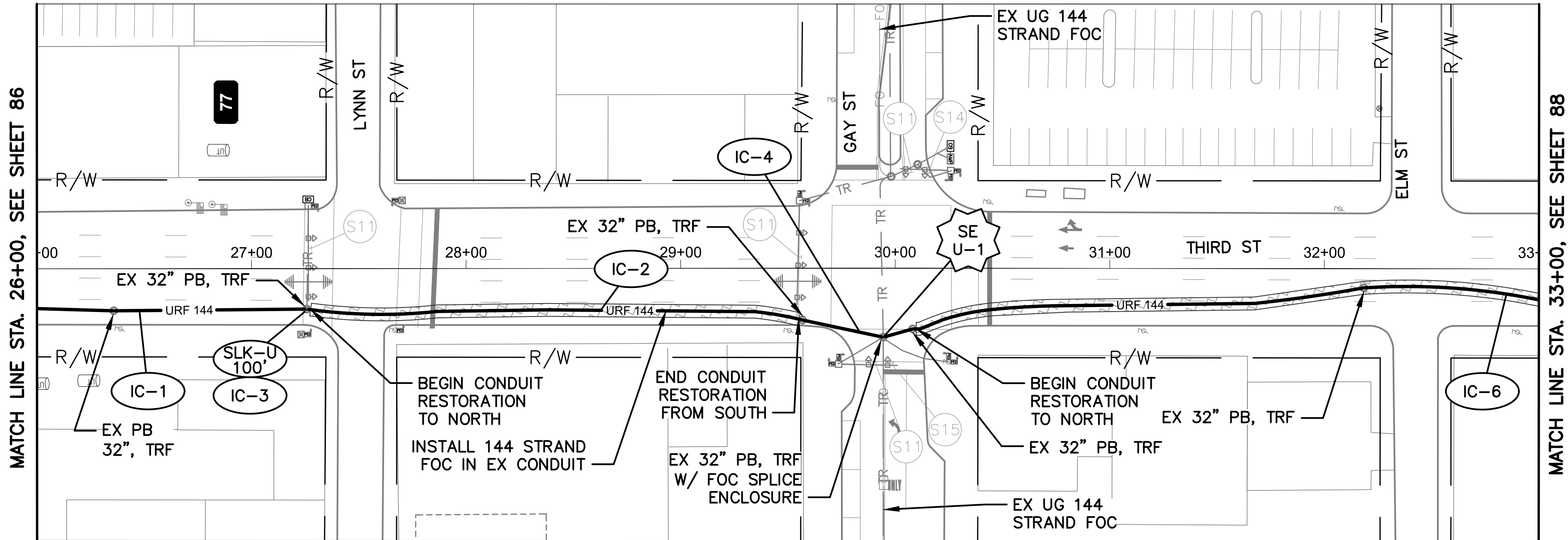
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PID NUMBER: 82573

INTERCONNECT PLAN  
THIRD ST BETWEEN STA. 15+00 AND 26+00, INTS 0056 & 0041

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



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THIRD ST BETWEEN STATION 26+00 AND 33+00

NOTES:

- 1. SEE SHEET 90 FOR QUANTITIES.

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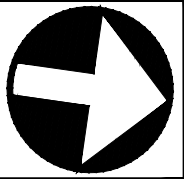
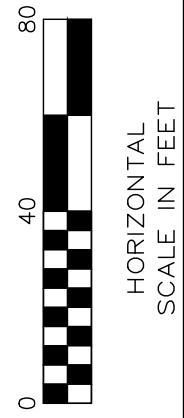
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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



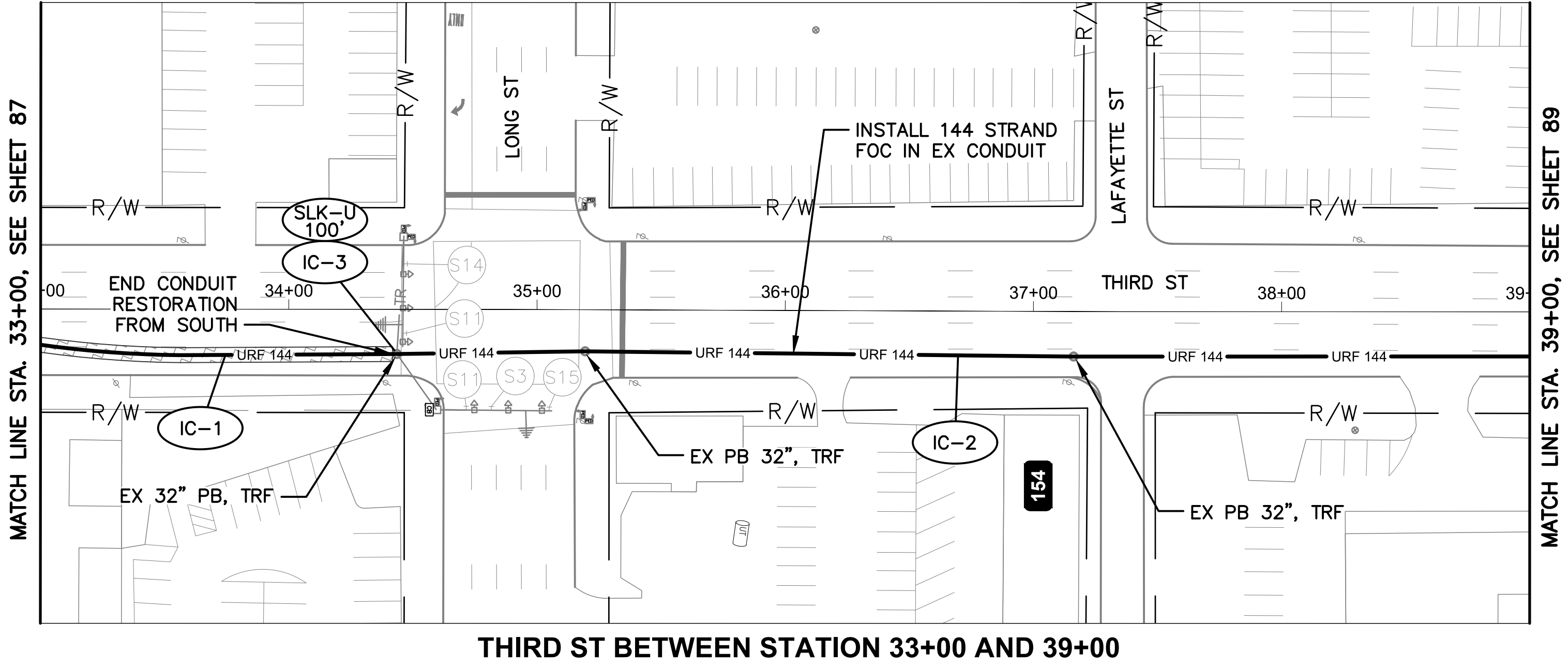
CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
THIRD ST BETWEEN STA. 26+00 AND 33+00, INTS 0098 & 0035

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



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- NOTES:
1. SEE SHEET 90 FOR QUANTITIES.

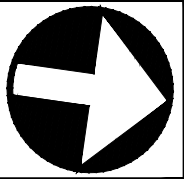


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  - ☐ POWER
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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



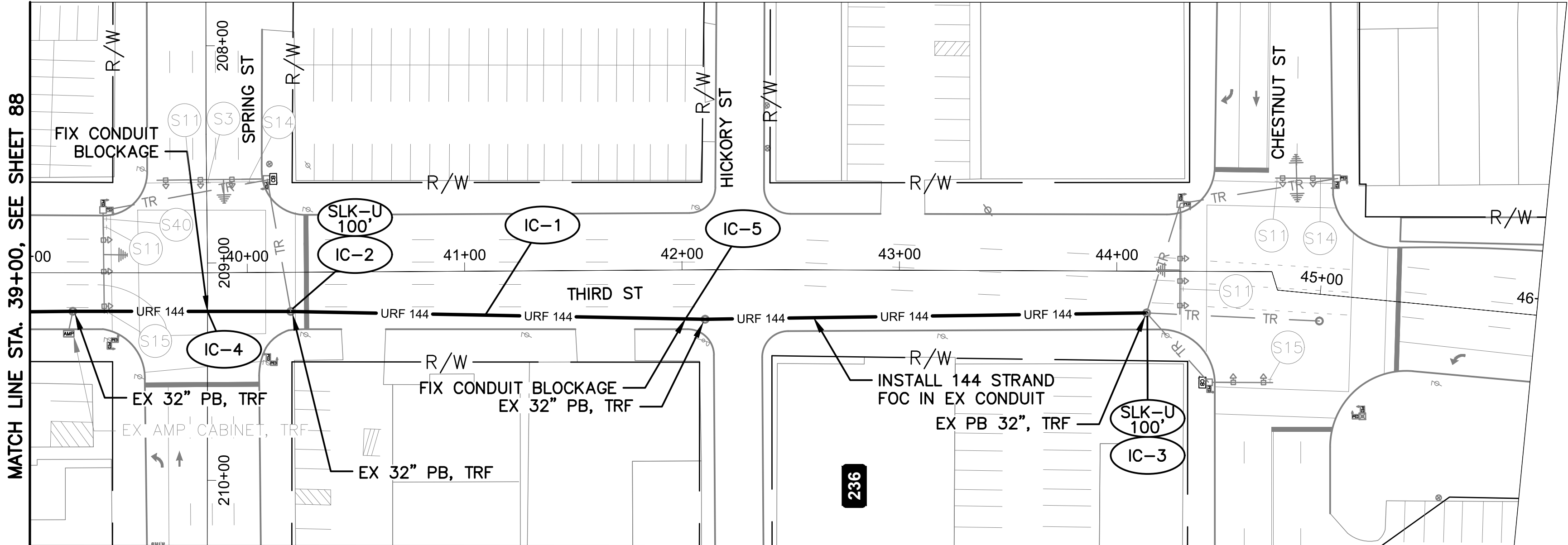
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PID NUMBER: 82573

INTERCONNECT PLAN  
THIRD ST BETWEEN STA. 33+00 AND 39+00, INT 0025

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



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THIRD ST BETWEEN STATION 39+00 AND 46+00

NOTES:  
1. SEE SHEET 90 FOR QUANTITIES.

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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



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| ESTIMATED QUANTITIES                                                                           |               |          |               |               |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------------------------------------------------------------------|---------------|----------|---------------|---------------|------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SHEET NO.                                                                                      | REFERENCE NO. | LOCATION | STATION       |               | 202                                            | 625                                          | 632                                                                  | 632                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                                                |               |          | FROM          | TO            | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | CONDUIT, MISC.: CONDUIT<br>RESTORATION<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>UNDERGROUND<br>INTERCONNECT<br>FT |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| THIRD ST. BETWEEN STA. 3+75 AND 15+00, INTS 0070 & 0063                                        |               |          |               |               |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 85                                                                                             | IC-1          | THIRD ST | 3+75, 16' RT  | 4+62, 14' RT  | 88                                             |                                              | 88                                                                   | 88                                                                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 85                                                                                             | IC-2          | THIRD ST | 4+62, 14' RT  | 11+82, 14' RT |                                                | 722                                          | 722                                                                  | 722                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 85                                                                                             | IC-3          | THIRD ST | 6+81, 13' RT  |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 85                                                                                             | IC-4          | THIRD ST | 11+82, 14' RT | 15+00, 14' RT | 317                                            |                                              | 317                                                                  | 317                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 85                                                                                             | IC-5          | THIRD ST | 11+82, 14' RT |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| THIRD ST. BETWEEN STA. 15+00 AND 26+00, INTS 0056 & 0041                                       |               |          |               |               |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 86                                                                                             | IC-1          | THIRD ST | 15+00, 16' RT | 25+00, 16' RT | 100                                            |                                              | 100                                                                  | 100                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 86                                                                                             | IC-2          | THIRD ST | 15+00, 16' RT |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 86                                                                                             | IC-4          | THIRD ST | 25+33, 20' RT | 25+43, 20' RT |                                                | 10                                           |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 86                                                                                             | IC-3          | THIRD ST | 25+48, 18' RT |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| THIRD ST. BETWEEN STA. 26+00 AND 33+00, INTS 0035 & 0098                                       |               |          |               |               |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 87                                                                                             | IC-1          | THIRD ST | 26+00, 19' RT | 27+25, 23' RT | 26                                             |                                              | 126                                                                  | 126                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 87                                                                                             | IC-2          | THIRD ST | 27+25, 23' RT | 29+58, 23' RT |                                                | 232                                          | 232                                                                  | 232                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 87                                                                                             | IC-3          | THIRD ST | 29+58, 23' RT |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 87                                                                                             | IC-4          | THIRD ST | 29+58, 23' RT | 30+09, 23' RT | 53                                             |                                              | 53                                                                   | 53                                                                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 87                                                                                             | IC-5          | THIRD ST | 29+94, 32' RT |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 87                                                                                             | IC-6          | THIRD ST | 30+09, 23' RT | 33+00, 10' RT |                                                | 2                                            | 2                                                                    | 2                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| THIRD ST. BETWEEN STA. 33+00 AND 39+00, INT 0025                                               |               |          |               |               |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 88                                                                                             | IC-1          | THIRD ST | 33+00, 10' RT | 34+49, 16' RT |                                                | 150                                          | 150                                                                  | 150                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 88                                                                                             | IC-3          | THIRD ST | 34+49, 16' RT |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 88                                                                                             | IC-4          | THIRD ST | 34+49, 16' RT | 39+00, 19' RT |                                                | 450                                          | 450                                                                  | 450                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| THIRD ST. BETWEEN STA. 39+00 AND 46+00, INTS 0016 & 0009                                       |               |          |               |               |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 89                                                                                             | IC-1          | THIRD ST | 39+00, 19' RT | 44+13, 16' RT | 514                                            |                                              | 514                                                                  | 514                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 89                                                                                             | IC-4          | THIRD ST | 39+77, 18' RT | 39+87, 18' RT |                                                | 10                                           |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 89                                                                                             | IC-2          | THIRD ST | 40+20, 16' RT |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 89                                                                                             | IC-5          | THIRD ST | 41+30, 32' RT | 42+00, 19' RT |                                                | 10                                           |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 89                                                                                             | IC-3          | THIRD ST | 44+13, 16' RT |               |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| SHEET TOTAL                                                                                    |               |          |               |               | 2,648                                          | 1,426                                        | 4,944                                                                | 4,044                                                                              | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS. |               |          |               |               |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

CIP: 540007-100006  
PID NUMBER: 82573

THIRD ST BTW STA. 3+75 & 46+00  
INTS 0070, 0063, 0056, 0041, 0035, 0098, 0025, 0016, 0009

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90  
1000

3150-E

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THIRD ST BTW STA. 3+75 & 46+00  
INTS 0070, 0063, 0056, 0041, 0035, 0098, 0025, 0016, 0009

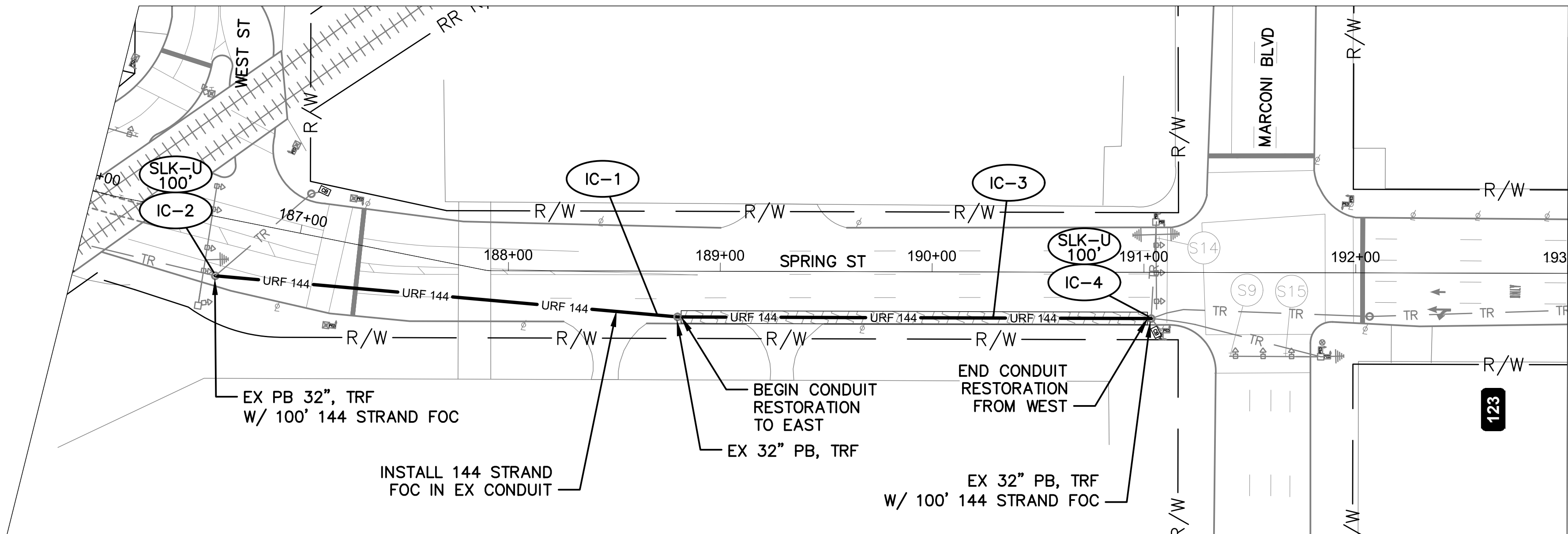
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PID NUMBER: 82573

90  
1000

3150-E



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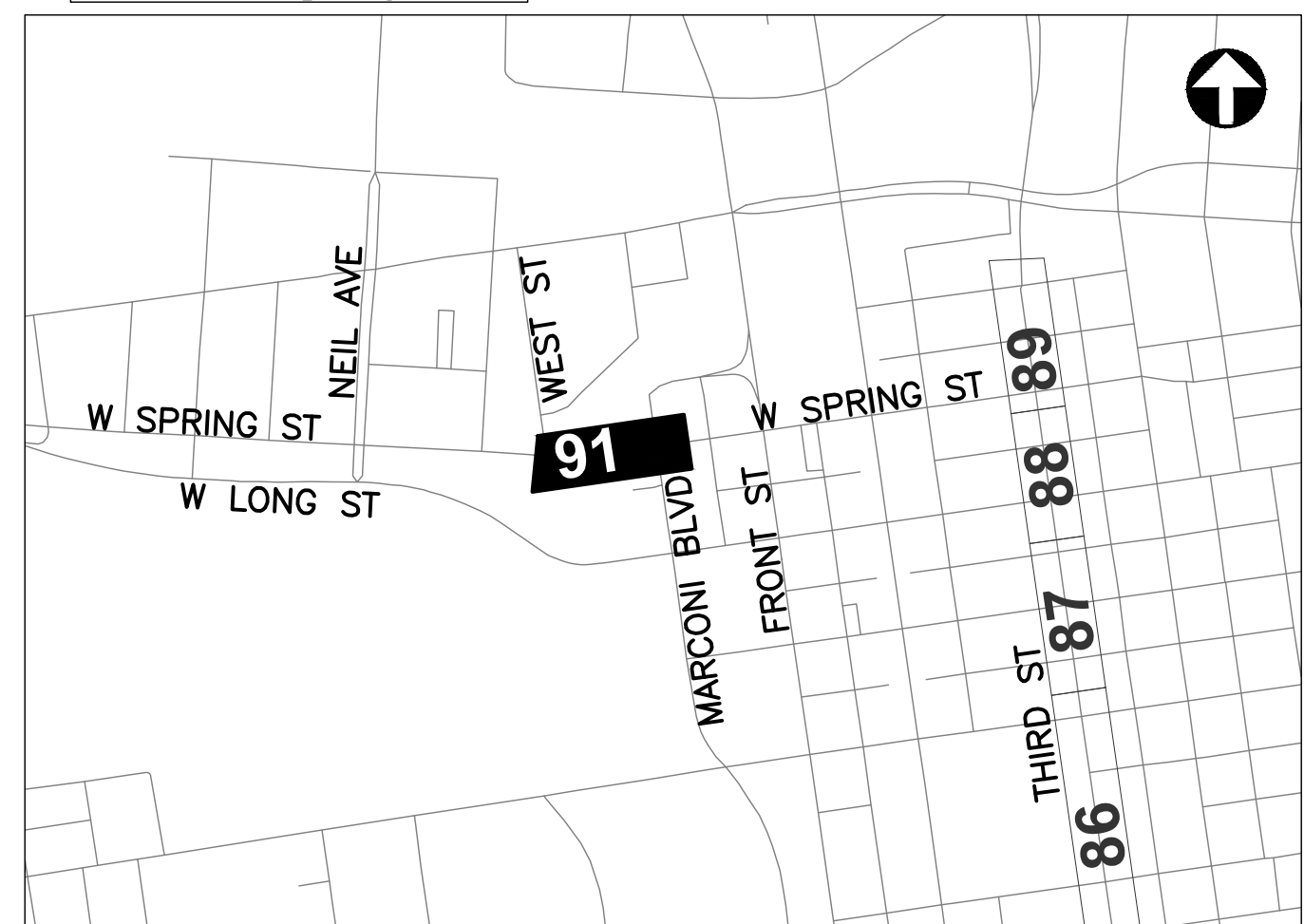
SPRING ST BETWEEN STATION 186+00 AND 193+00

NOTES:

1. SEE SHEET 96 FOR QUANTITIES.

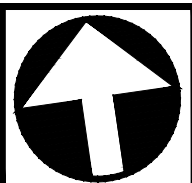
  
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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



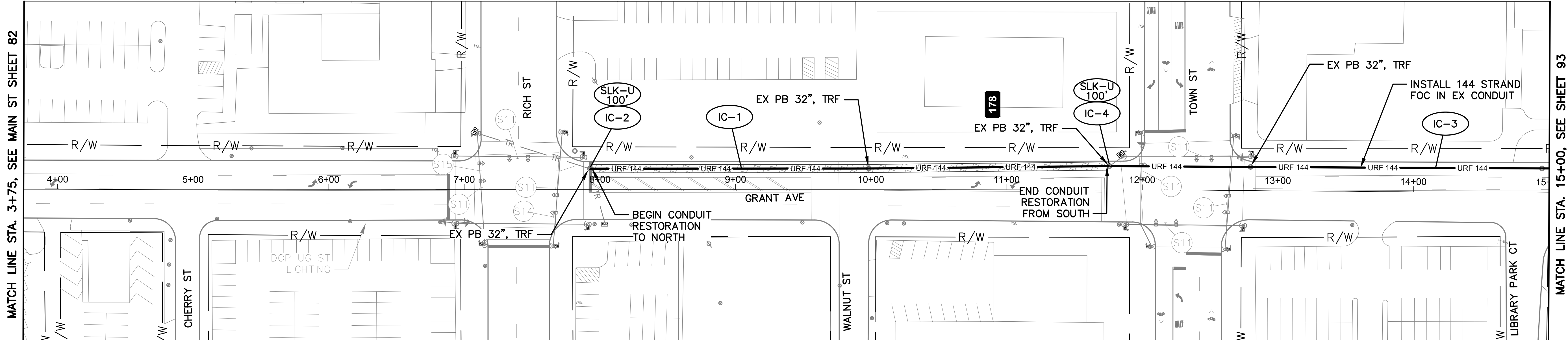
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PID NUMBER: 82573

INTERCONNECT PLAN  
SPRING ST BETWEEN STA. 186+00 AND 193+00, INTS 0109 & 0013

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GRANT AVE BETWEEN STATION 3+75 AND 15+00

NOTES:

1. SEE SHEET 96 FOR QUANTITIES.

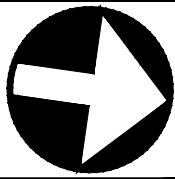
  
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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



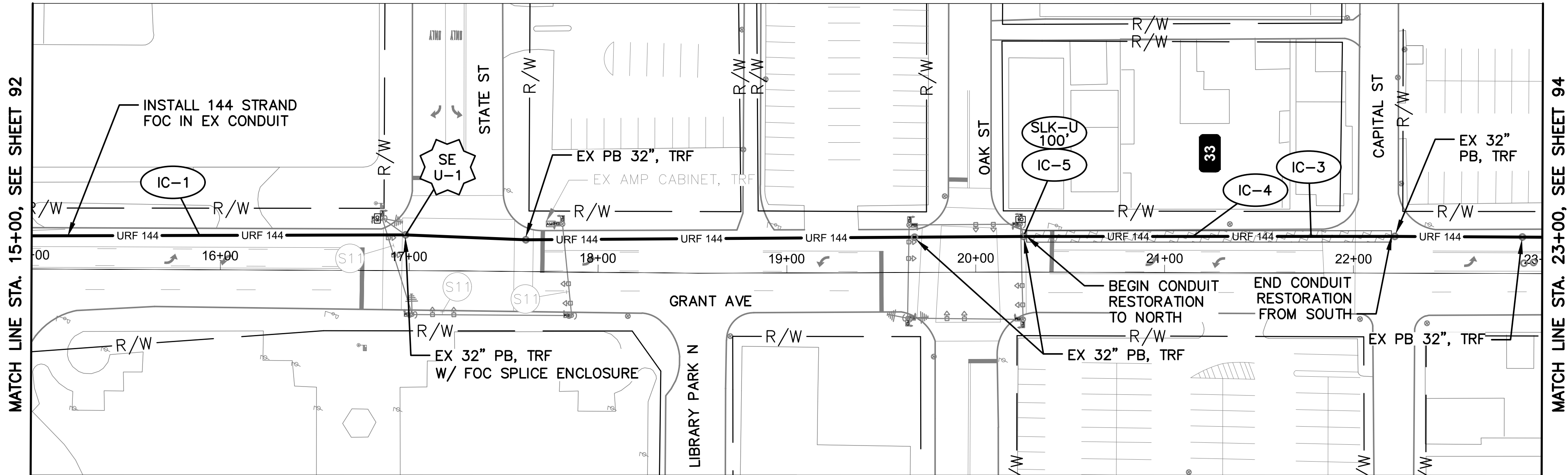
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PID NUMBER: 82573

INTERCONNECT PLAN  
GRANT AVE BETWEEN STA. 3+75 AND 15+00, INTS 0072 & 0065

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GRANT AVE BETWEEN STATION 15+00 AND 23+00

NOTES:

1. SEE SHEET 96 FOR QUANTITIES.

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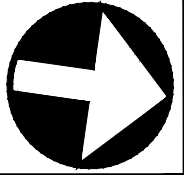
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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



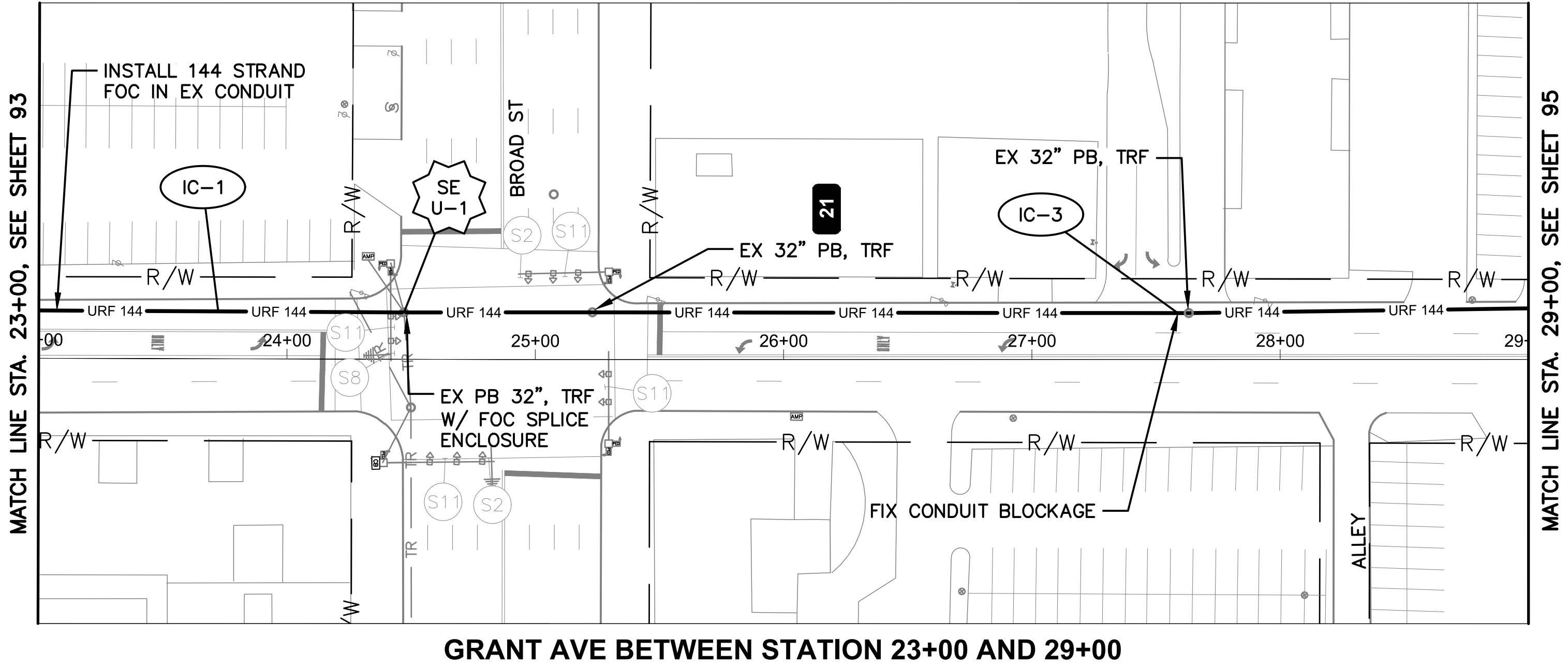
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PID NUMBER: 82573

INTERCONNECT PLAN  
GRANT AVE BETWEEN STA. 15+00 AND 23+00, INTS 0059 & 0051

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NOTES:

1. SEE SHEET 96 FOR QUANTITIES.



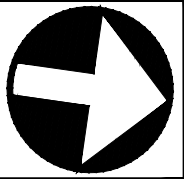
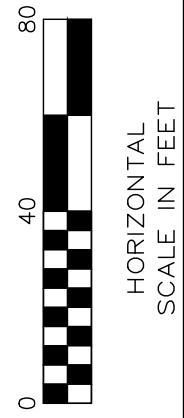
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- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
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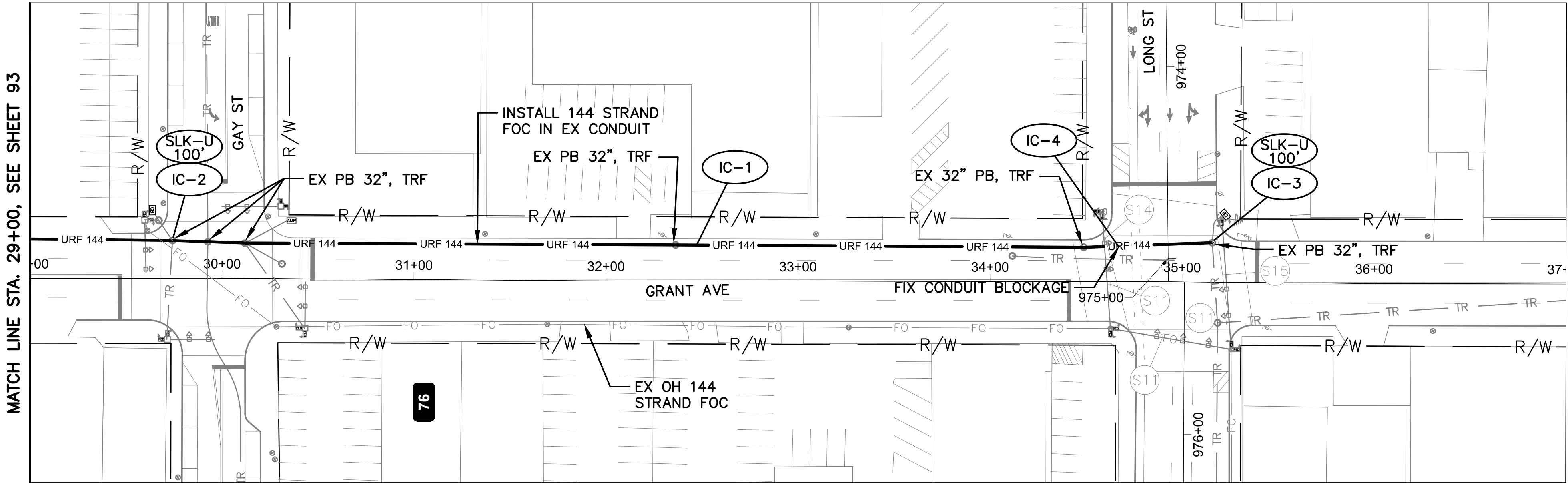
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PID NUMBER: 82573

INTERCONNECT PLAN  
GRANT AVE BETWEEN STA. 23+00 AND 29+00, INT 0045

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GRANT AVE BETWEEN STATION 29+00 AND 37+00

NOTES:

1. SEE SHEET 96 FOR QUANTITIES.

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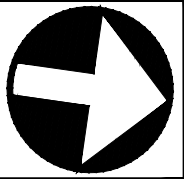
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  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
GRANT AVE BETWEEN STA. 29+00 AND 37+00, INTS 0038 & 0027

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D — CONSTRUCTION AS-BUILT



J:\Jobs\60135\TCHPROD\Sheets\CTSS\PHD\_Trunk5 GRANT\_LC\_QUANTITIES.dwg -- GRANT-01 layout -- last saved by: gburch 07/29/2016 03:03pm -- printed 03/18/2020 04:15pm

| ESTIMATED QUANTITIES                                        |               |           |                |                |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------------------------------|---------------|-----------|----------------|----------------|------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SHEET NO.                                                   | REFERENCE NO. | LOCATION  | STATION        |                | 202                                            | 625                                          | 632                                                                  | 632                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                             |               |           | FROM           | TO             | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | CONDUIT, MISC.: CONDUIT<br>RESTORATION<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>UNDERGROUND<br>INTERCONNECT<br>FT |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| SPRING ST. BETWEEN STA. 186+00 AND 193+00, INTS 0109 & 0013 |               |           |                |                |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 91                                                          | IC-1          | SPRING ST | 186+64, 28' RT | 188+80, 22' RT | 219                                            |                                              | 219                                                                  | 219                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 91                                                          | IC-2          | SPRING ST | 186+64, 28' RT |                |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 91                                                          | IC-3          | SPRING ST | 188+80, 22' RT | 191+02, 21' RT |                                                | 224                                          | 224                                                                  | 224                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 91                                                          | IC-4          | SPRING ST | 191+02, 21' RT |                |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| GRANT AVE. BETWEEN STA. 3+75 AND 15+00, INTS 0072 & 0065    |               |           |                |                |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 92                                                          | IC-1          | GRANT AVE | 7+92, 18' LT   | 11+75, 18' LT  |                                                | 38                                           | 383                                                                  | 383                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 92                                                          | IC-2          | GRANT AVE | 11+75, 18' LT  |                |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 92                                                          | IC-3          | GRANT AVE | 11+75, 18' LT  | 15+00, 18' LT  | 325                                            |                                              | 325                                                                  | 325                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 92                                                          | IC-4          | GRANT AVE | 11+75, 18' LT  |                |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| GRANT AVE. BETWEEN STA. 15+00 AND 23+00, INTS 0065 & 0051   |               |           |                |                |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 93                                                          | IC-1          | GRANT AVE | 15+00, 18' LT  | 20+25, 19' LT  |                                                |                                              | 275                                                                  | 275                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 93                                                          | IC-2          | GRANT AVE | 16+98, 19' LT  |                |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 93                                                          | IC-3          | GRANT AVE | 20+25, 19' LT  | 23+00, 19' LT  | 275                                            |                                              | 275                                                                  | 275                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 93                                                          | IC-4          | GRANT AVE | 20+25, 19' LT  | 22+22, 19' LT  |                                                | 197                                          |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 93                                                          | IC-5          | GRANT AVE | 22+22, 19' LT  |                |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| GRANT AVE. BETWEEN STA. 23+00 AND 29+00, INTS 0051 & 0027   |               |           |                |                |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 94                                                          | IC-1          | GRANT AVE | 23+00, 19' LT  | 29+00, 21' LT  | 600                                            |                                              | 600                                                                  | 600                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 94                                                          | IC-2          | GRANT AVE | 24+47, 19' LT  |                |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 94                                                          | IC-3          | GRANT AVE | 27+31, 19' RT  | 27+31, 19' RT  |                                                | 1                                            |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| GRANT AVE. BETWEEN STA. 29+00 AND 37+00, INTS 0038 & 0027   |               |           |                |                |                                                |                                              |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 95                                                          | IC-1          | GRANT AVE | 29+00, 21' LT  | 35+15, 21' LT  | 616                                            |                                              | 616                                                                  | 616                                                                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 95                                                          | IC-2          | GRANT AVE | 29+74, 20' LT  |                |                                                |                                              | 100                                                                  |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 95                                                          | IC-4          | GRANT AVE | 34+69, 18' LT  | 34+72, 18' LT  |                                                | 10                                           |                                                                      |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 95                                                          | IC-3          | GRANT AVE | 35+15, 21' LT  |                |                                                |                                              | 0                                                                    |                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| SHEET TOTAL                                                 |               |           |                |                | 2,560                                          | 824                                          | 4,067                                                                | 3,167                                                                              | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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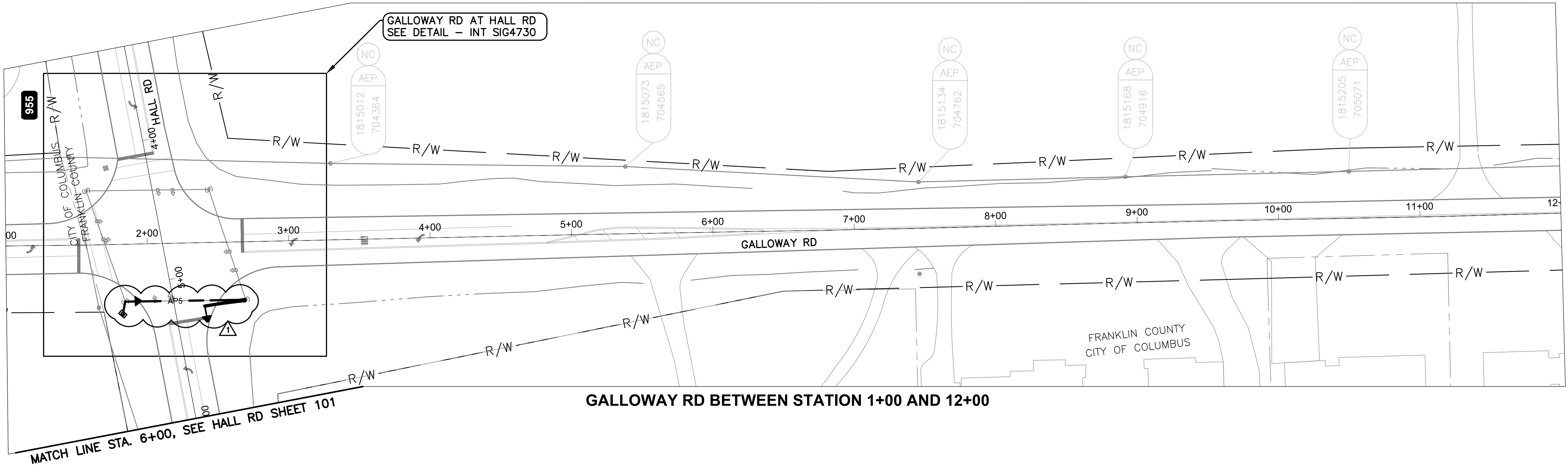
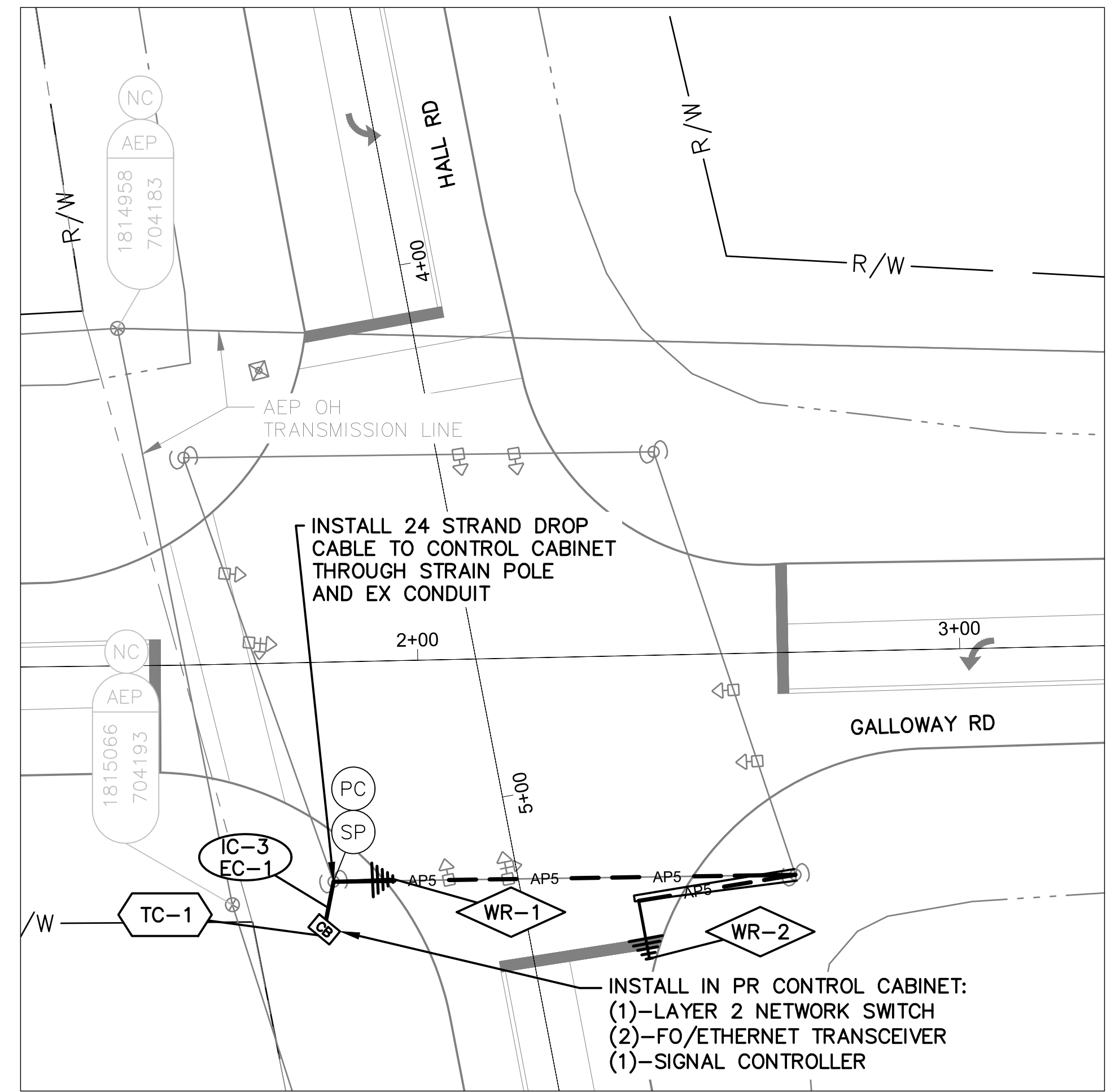
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INTS 0109, 0013, 0072, 0065, 0059, 0051, 0045, 0038, 0027

CIP: 540007-10006  
PID NUMBER: 82573

96  
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0 20 40  
HORIZONTAL  
SCALE IN FEET

INT SIG4730 WITH  
EXISTING SIGNAL  
CONTROLLER

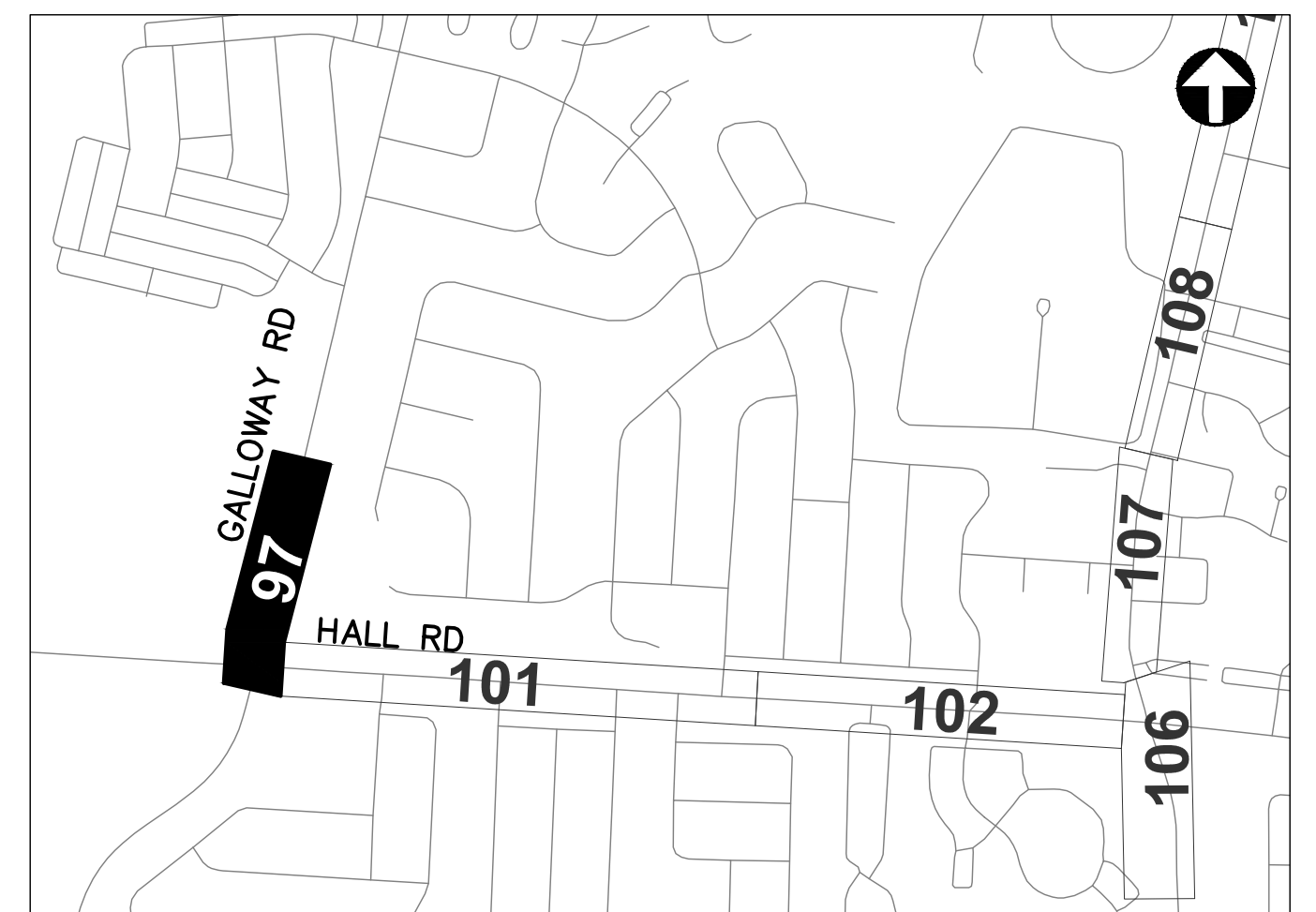
PROPOSED WIRELESS  
SEE SHEET 98  
INT 1111 - GALLOWAY  
ROAD AT SULLIVANT AVE

PROPOSED WIRELESS  
SEE SHEET 106  
INT 1094 - NORTON  
ROAD AT HALL ROAD

- NOTES:**
1. SEE SHEET 100 FOR QUANTITIES.
  2. SEE SHEETS 683 & 932 FOR COMMUNICATION DETAILS.

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UTILITY LEGEND**
- SEWER
  - WATER
  - POWER
  - LIGHTING

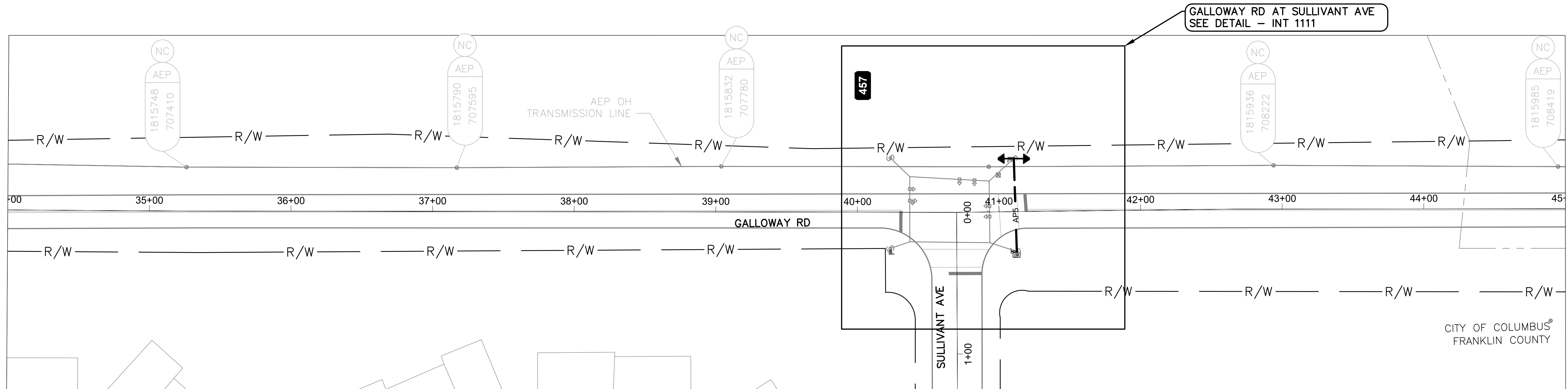


REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

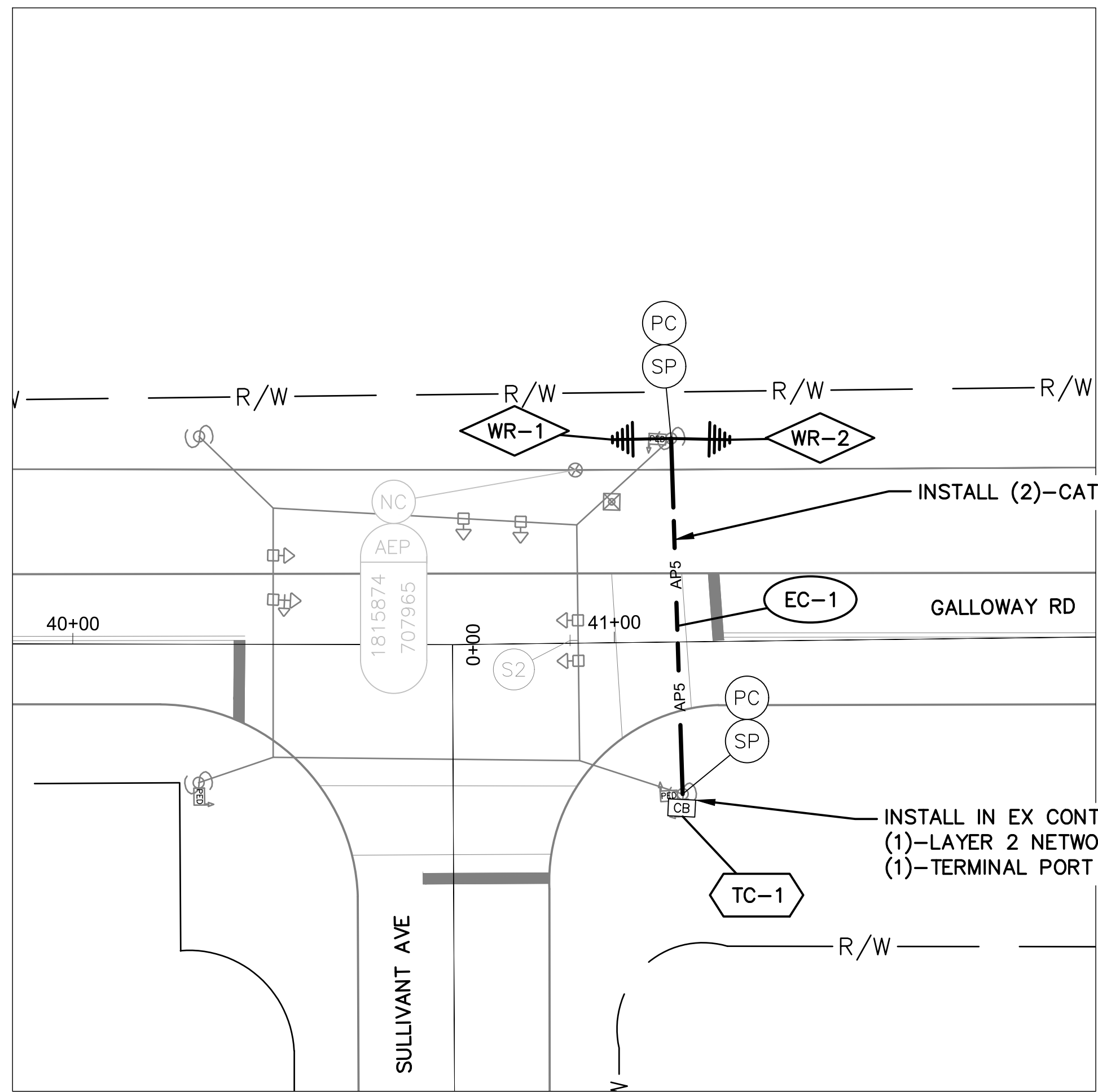
**KEY PLAN**  
NOT TO SCALE



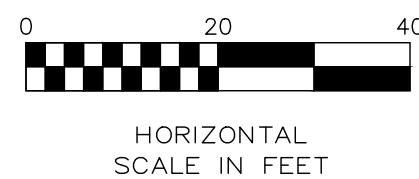
J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk0\_GALLOWAY\_INTERCONNECT.dwg - GALLOWAY-3 layout ~ last saved by: jpeans 10/10/2018 02:22pm ~ printed 03/18/2020 04:17pm



GALLOWAY RD BETWEEN STATION 34+00 AND 45+00



DETAIL - INT 1111



PROPOSED WIRELESS  
SEE SHEET 97  
INT SIG4730 - GALLOWAY  
ROAD AT HALL ROAD

INT 1111 WITH  
EXISTING SIGNAL  
CONTROLLER

PROPOSED WIRELESS  
SEE SHEET 99  
INT 1109 - GALLOWAY  
ROAD AT BROAD ST

NOTES:

1. SEE SHEET 100 FOR QUANTITIES.
2. SEE SHEETS 683 & 933 FOR COMMUNICATION DETAILS.

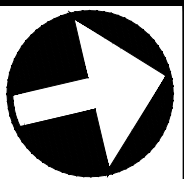


- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
GALLOWAY RD BETWEEN STA. 34+00 AND 45+00, INT 1111

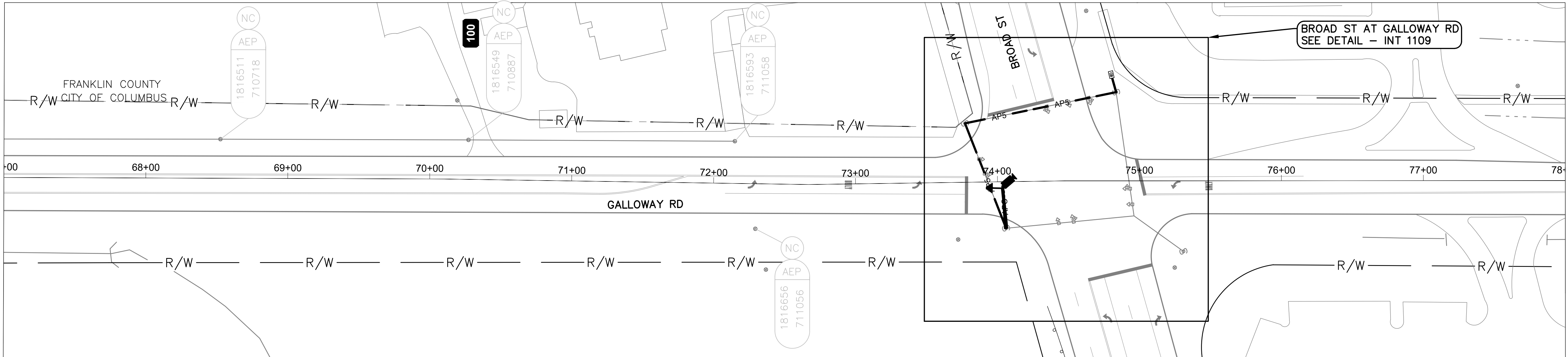
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

98  
1000

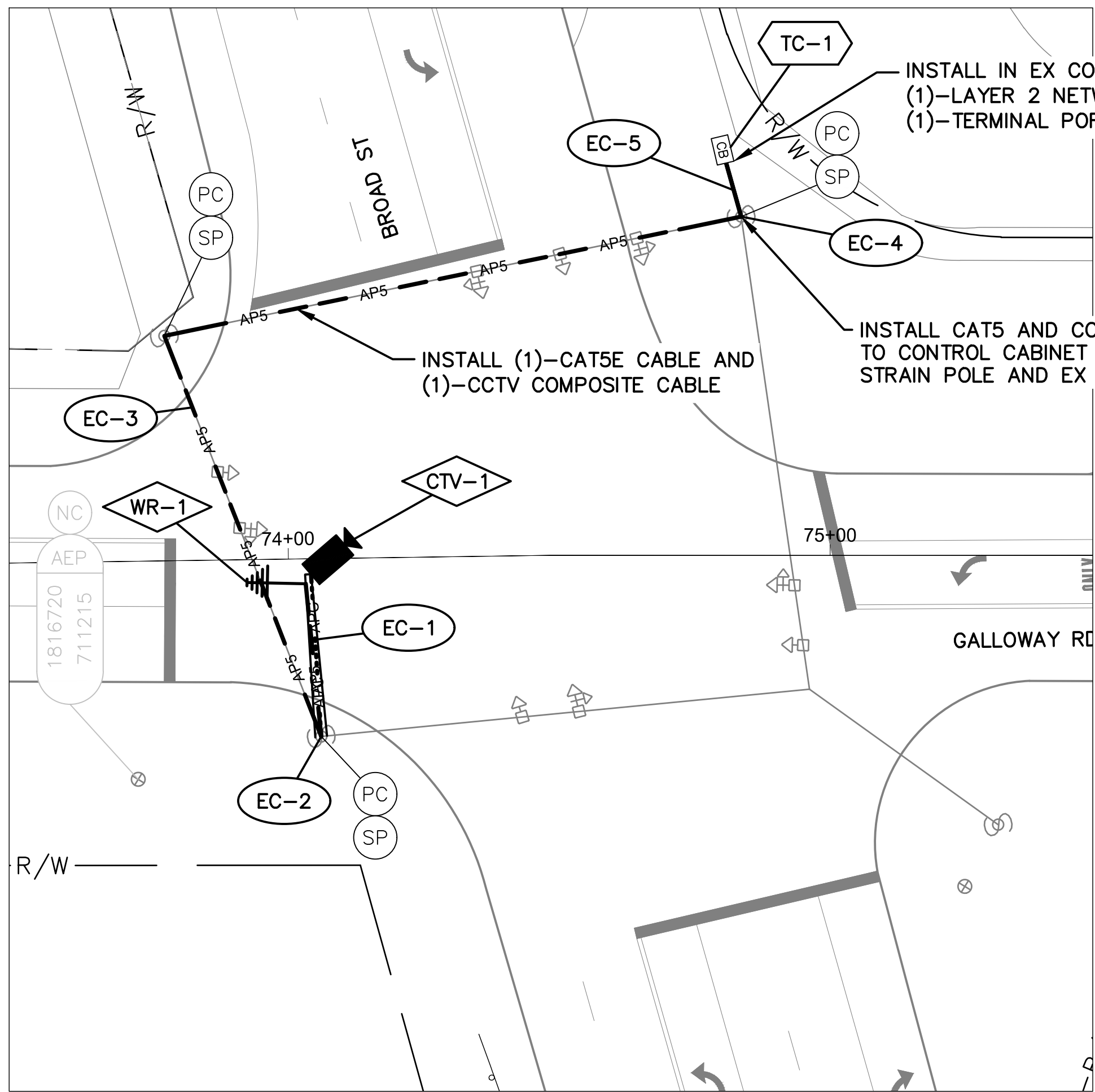
3150-E



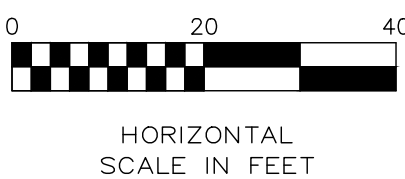
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GALLOWAY RD BETWEEN STATION 67+00 AND 78+00



DETAIL - INT 1109



PROPOSED WIRELESS  
SEE SHEET 98  
INT 1111 - GALLOWAY  
ROAD AT SULLIVANT AVE

INT 1109 WITH  
EXISTING SIGNAL  
CONTROLLER

NOTES:

1. SEE SHEET 100 FOR QUANTITIES.
2. SEE SHEETS 683 & 934 FOR COMMUNICATION DETAILS.

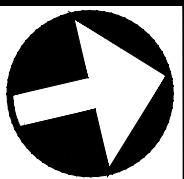
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  - WATER
  - POWER
  - LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
GALLOWAY RD BETWEEN STA. 67+00 AND 78+00, INT 1109

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



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| ESTIMATED QUANTITIES                                  |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|-------------------------------------------------------|---------------|-------------|---------------|---------------|------------------------------------------|----------------------------------|----------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------|------------------------------------------------|---------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------|------|--|--|--|
| SHEET NO.                                             | REFERENCE NO. | LOCATION    | STATION       |               | 202                                      | 625                              | 632                                                            | 632                                                        | 632                                                                | 632                                                                            | 632                                                                            | 632                                                     | 632                                           | 632                                            | 632                                   | 633                                                   | 633                                                                            | 633                                                   | 633                                                | 633                                                                  |      |  |  |  |
|                                                       |               |             |               |               | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | BRACKET ARM, 30', AS<br>PER PLAN | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | SIGNALIZATION, MISC.:<br>CAT 5E CABLE, OUTDOOR<br>RATED | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM | SPREAD SPECTRUM<br>RADIO, AS PER PLAN | CABINET, GROUND<br>MOUNTED, TYPE TS-2, AS<br>PER PLAN | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER ITEM,<br>MISC.: TERMINAL PORT<br>SERVER | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2A2, AS PER<br>PLAN |      |  |  |  |
|                                                       |               |             | FROM          | TO            | FT                                       | EACH                             | FT                                                             | EACH                                                       | EACH                                                               | EACH                                                                           | EACH                                                                           | FT                                                      | FT                                            | FT                                             | EACH                                  | EACH                                                  | EACH                                                                           | EACH                                                  | EACH                                               | EACH                                                                 | EACH |  |  |  |
| GALLOWAY RD. BETWEEN STA. 1+00 AND 12+00, INT SIG4730 |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 97                                                    | TC-1          | GALLOWAY RD | 1+81, 49' RT  |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                | 10                                                                             |                                                         |                                               |                                                |                                       | 1                                                     | 2                                                                              | 1                                                     |                                                    | 1                                                                    |      |  |  |  |
| 97                                                    | IC-3          | GALLOWAY RD | 1+81, 49' RT  | 1+83, 41' RT  | 14                                       |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 97                                                    | EC-1          | GALLOWAY RD | 1+81, 49' RT  | 1+83, 41' RT  |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                | 9                                                                              |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 97                                                    | IC-2          | GALLOWAY RD | 1+81, 49' RT  | 1+86, 41' RT  |                                          |                                  |                                                                |                                                            |                                                                    | 1                                                                              |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 97                                                    | IC-1          | HALL RD     | 5+09, 34' RT  | 6+00, 48' RT  |                                          |                                  | 91                                                             |                                                            |                                                                    |                                                                                | 91                                                                             |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 97                                                    | WR-1          | GALLOWAY RD | 1+86, 41' RT  |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                | 35                                                                             |                                                         |                                               |                                                | 1                                     |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 97                                                    | SE A-1        | GALLOWAY RD | 1+86, 41' RT  |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| GALLOWAY RD. BETWEEN STA. 34+00 AND 45+00, INT 1109   |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 98                                                    | WR-1          | GALLOWAY RD | 41+11, 38' LT |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       | 1                                                     |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 98                                                    | WR-2          | GALLOWAY RD | 41+11, 38' LT |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       | 1                                                     |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 98                                                    | EC-1          | GALLOWAY RD | 41+11, 38' LT | 42+00, 12' RT |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                | 1                                                                              |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 98                                                    | TC-1          | GALLOWAY RD | 41+12, 38' RT |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                | 1                                                     |                                                    | 1                                                                    |      |  |  |  |
| GALLOWAY RD. BETWEEN STA. 67+00 AND 78+00, INT 1109   |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 99                                                    | WR-1          | GALLOWAY RD | 74+03, 5' RT  |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       | 1                                                     |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 99                                                    | EC-1          | GALLOWAY RD | 74+03, 5' RT  | 74+06, 33' RT |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                | 30                                                                             | 30                                                      |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 99                                                    | CTV-1         | GALLOWAY RD | 74+03, 5' RT  |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         | 1                                             |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 99                                                    | EC-3          | GALLOWAY RD | 74+03, 5' RT  | 74+03, 63' LT |                                          |                                  |                                                                |                                                            |                                                                    | 1                                                                              | 1                                                                              | 1                                                       | 189                                           |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 99                                                    | EC-2          | GALLOWAY RD | 74+03, 5' RT  |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 99                                                    | TC-1          | GALLOWAY RD | 74+80, 75' LT |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                | 10                                                                             | 10                                                      |                                               |                                                |                                       |                                                       |                                                                                | 1                                                     |                                                    | 1                                                                    |      |  |  |  |
| 99                                                    | EC-5          | GALLOWAY RD | 74+80, 75' LT | 74+83, 63' LT | 18                                       |                                  |                                                                |                                                            |                                                                    |                                                                                | 18                                                                             | 18                                                      |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
| 99                                                    |               | GALLOWAY RD | 74+83, 63' LT |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                | 35                                                                             | 35                                                      |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
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|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
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|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
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|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
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|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
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|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
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|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
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|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
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|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
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|                                                       |               |             |               |               |                                          |                                  |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                         |                                               |                                                |                                       |                                                       |                                                                                |                                                       |                                                    |                                                                      |      |  |  |  |
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AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

GALLOWAY RD BTW STA. 1+00 & 78+00  
INTS SIG4730, 1111, 1109

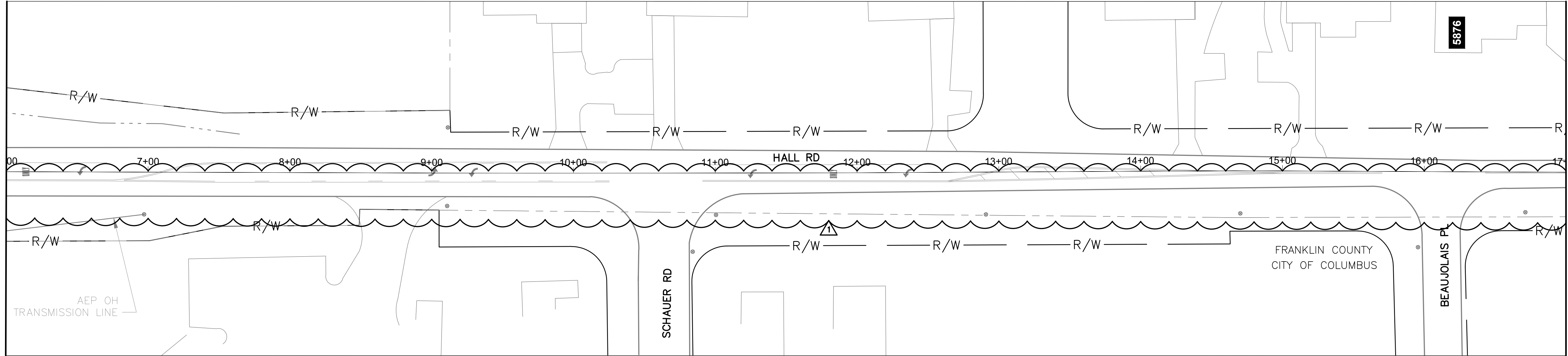
CIP: 540007-100006  
PID NUMBER: 82573

100  
1000



J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunko\_HALL\_INTERCONNECT.dwg -- HALL-1 layout -- last saved by: jbeems 10/10/2018 02:23pm ~ printed 03/18/2020 04:20pm

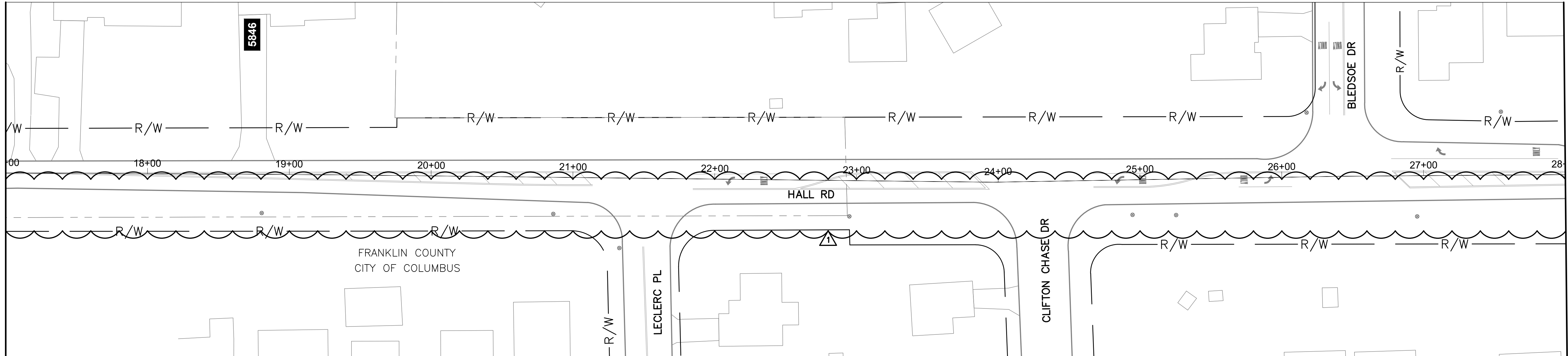
MATCH LINE STA. 6+00, SEE GALLOWAY RD SHEET 97



MATCH LINE STA. 17+00, SEE THIS SHEET

HALL RD BETWEEN STATION 6+00 AND 17+00

MATCH LINE STA. 17+00, SEE THIS SHEET



MATCH LINE STA. 28+00, SEE SHEET 102

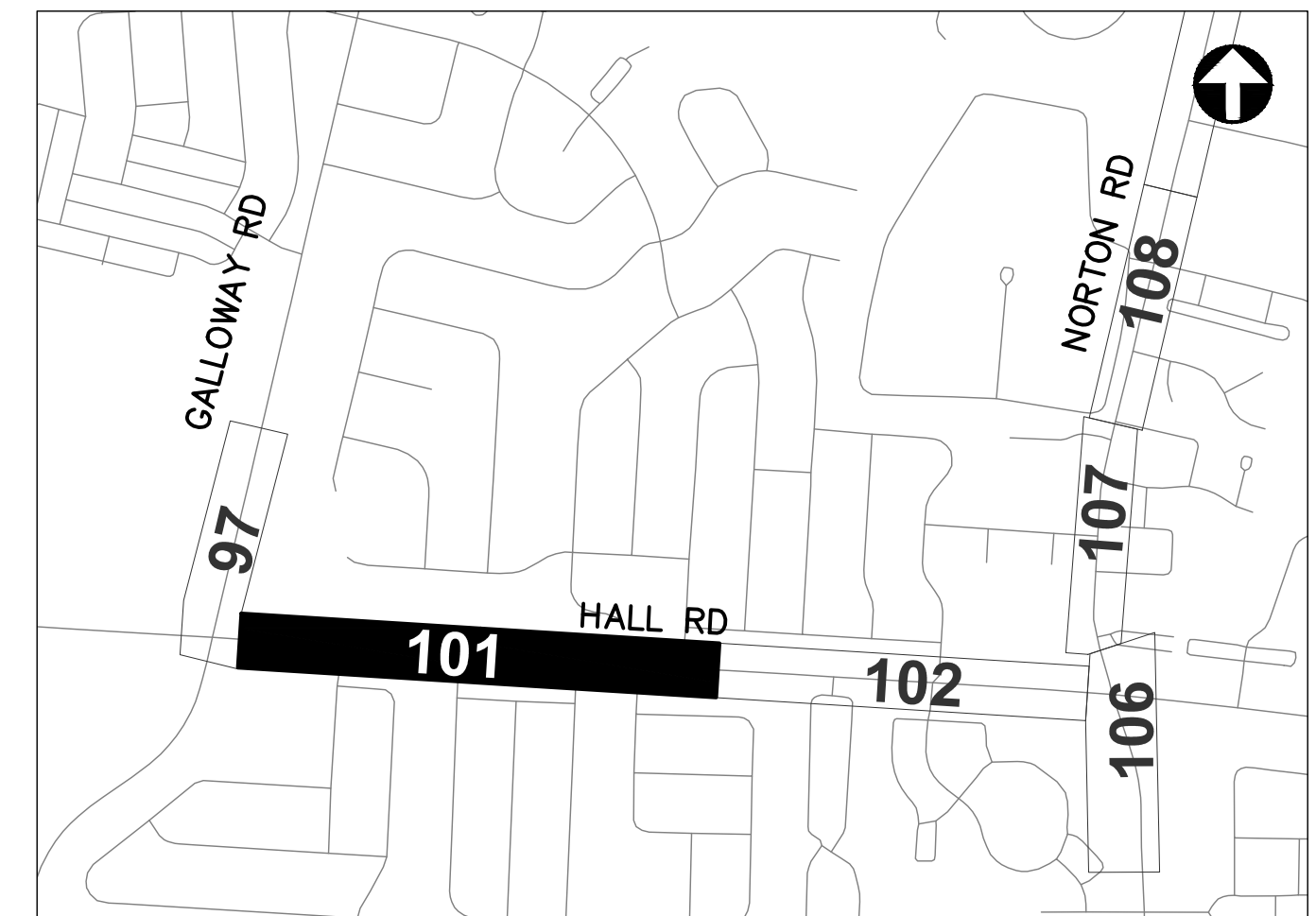
HALL RD BETWEEN STATION 17+00 AND 28+00

NOTES:

1. SEE SHEET 683 FOR COMMUNICATION DETAILS.
2. NO WORK IS PERFORMED ON THIS SHEET. FOR REFERENCE ONLY.

  
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800-362-2764 or 8-1-1  
www.oups.org

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UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
HALL RD BETWEEN STA. 6+00 AND 28+00

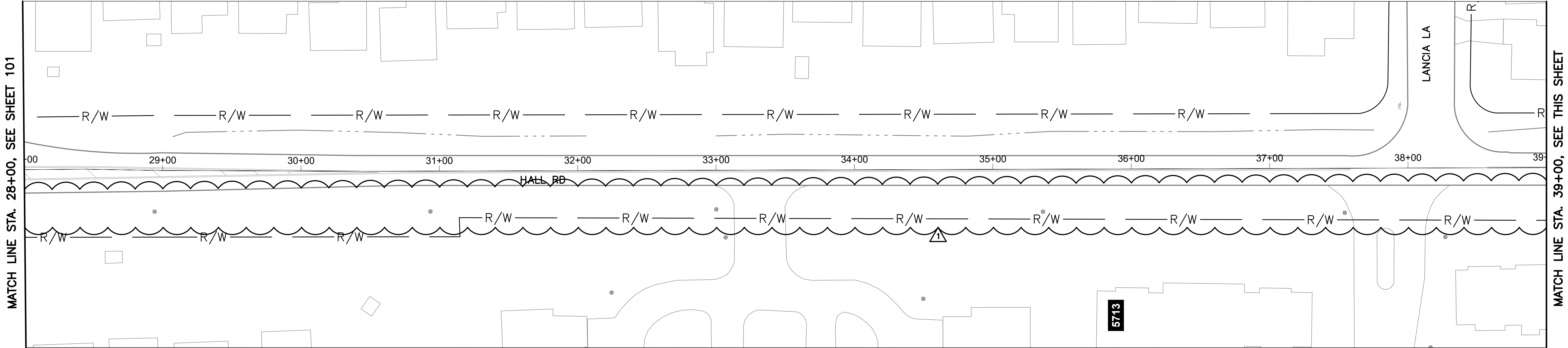
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

101  
1000

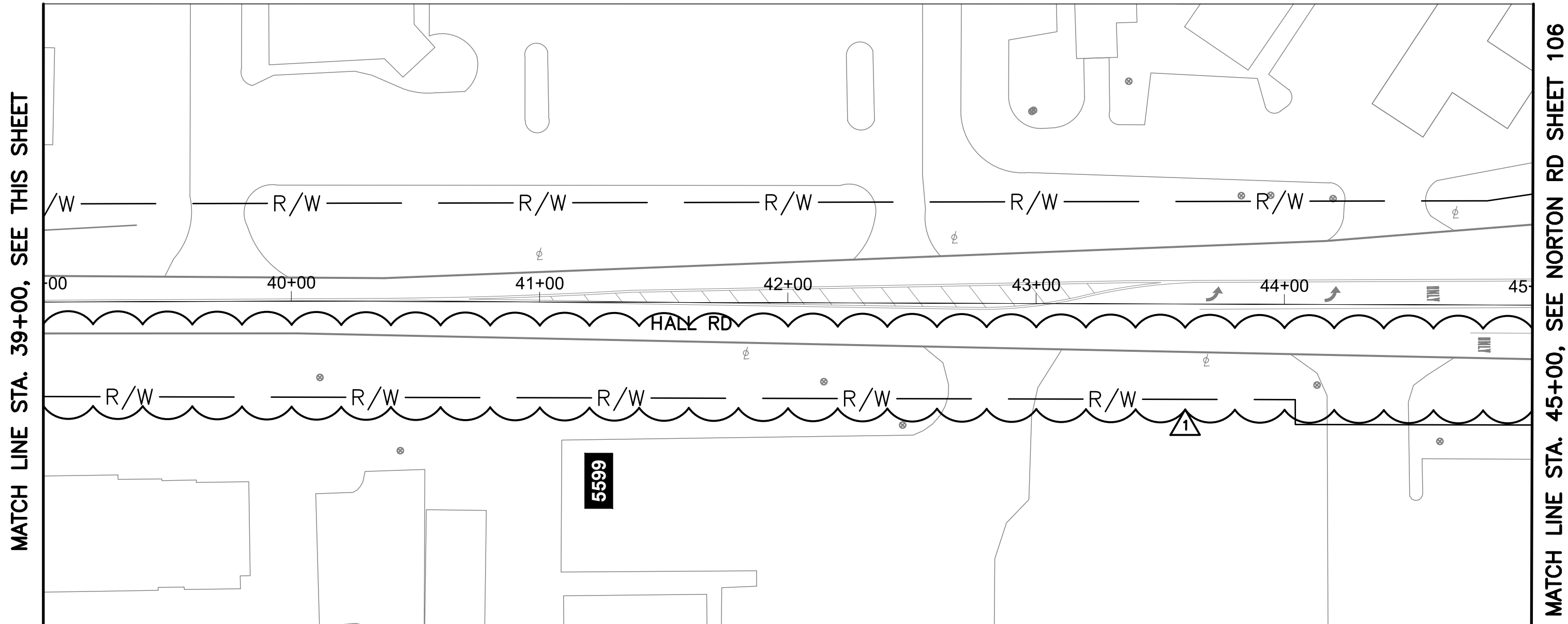
3150-E



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_TrunkO\_HALL\_INTERCONNECT.dwg -- HALL-2 layout -- last saved by jbeons 10/10/2018 02:23pm ~ printed 03/18/2020 04:21pm



HALL RD BETWEEN STATION 28+00 AND 39+00



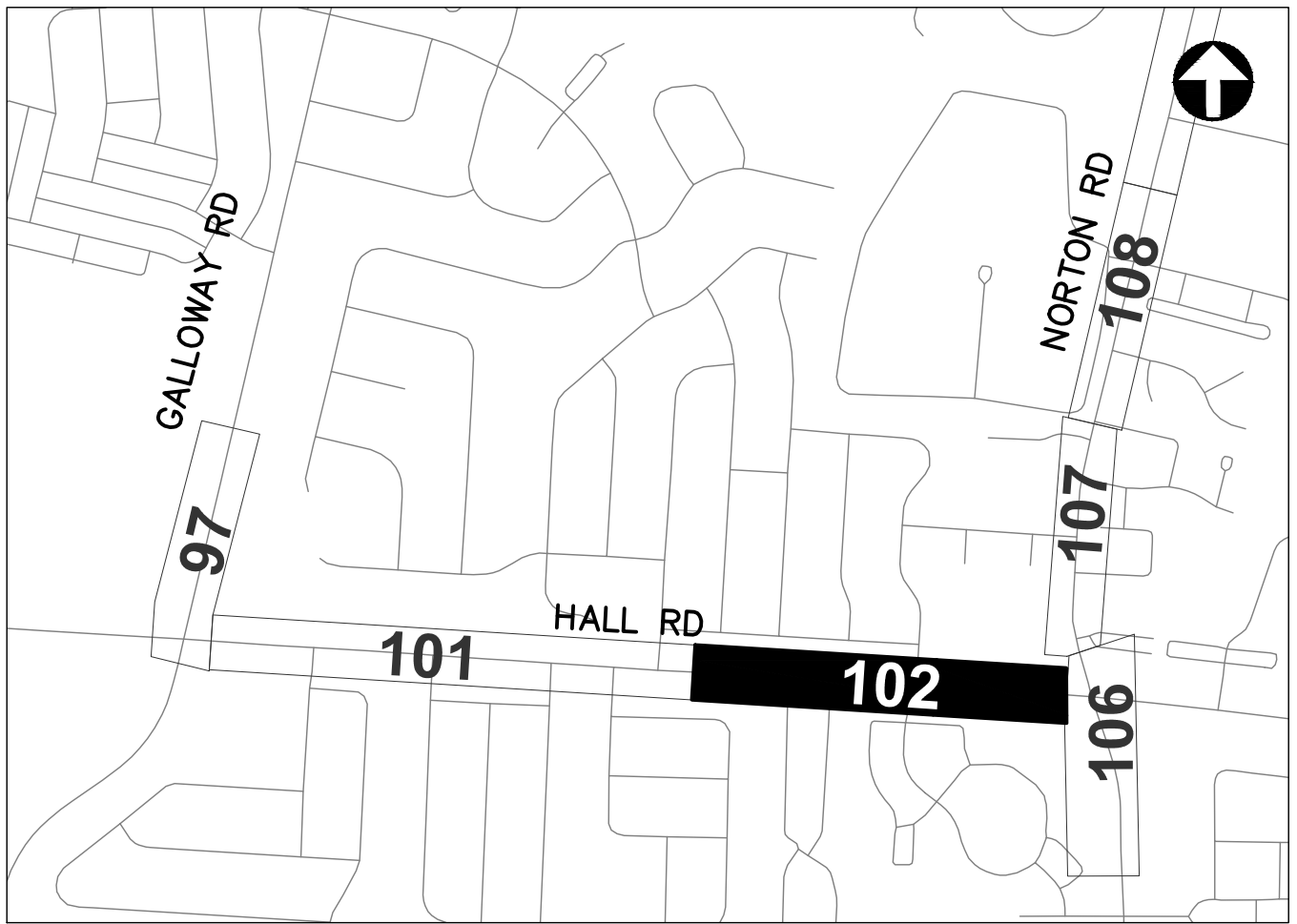
HALL RD BETWEEN STATION 39+00 AND 45+00

NOTES:

1. SEE SHEET 683 FOR COMMUNICATION DETAILS.
2. NO WORK IS PERFORMED ON THIS SHEET. FOR REFERENCE ONLY

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UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

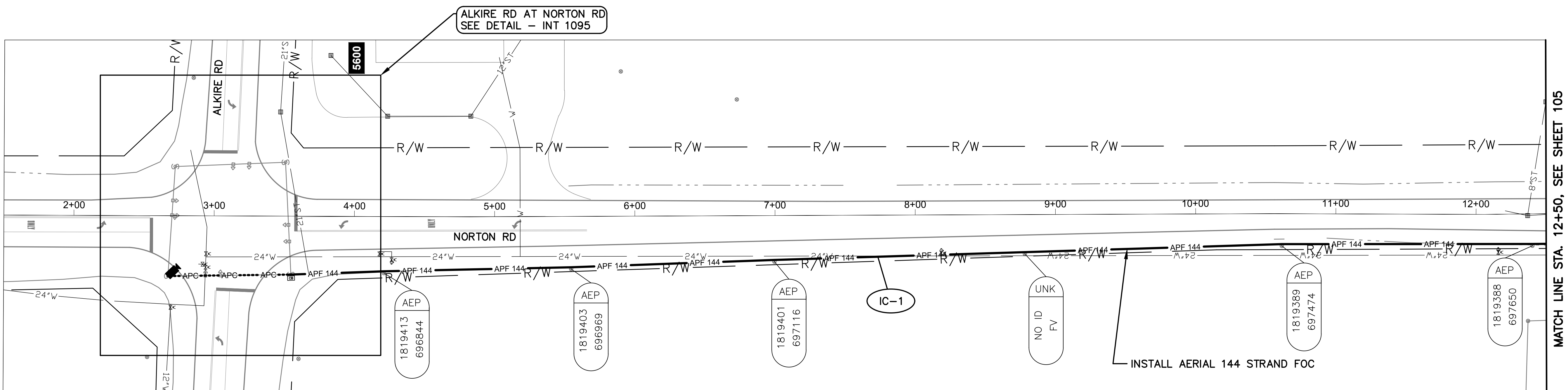


**QUANTITIES WERE USED FOR  
DEVELOPING CONSTRUCTION COST  
ESTIMATES ONLY AND WERE NOT  
REVISED TO REFLECT CHANGES MADE  
DURING CONSTRUCTION.**

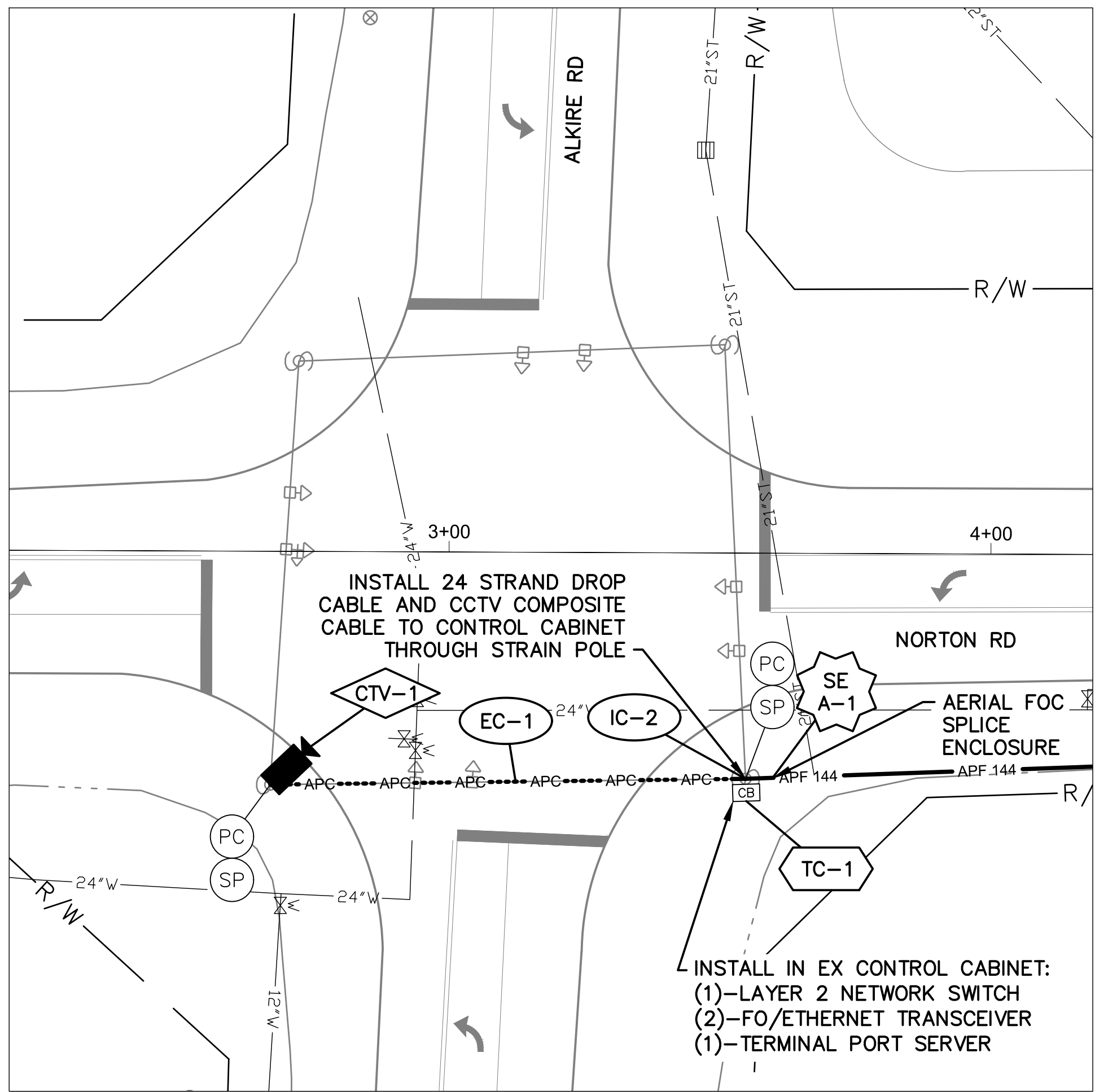
**3150-E**



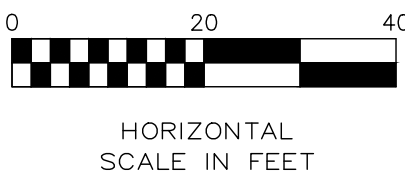
J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunko\_NORTON\_INTERCONNECT.dwg - NORTON-1 layout ~ last saved by jbeens 10/18/2018 12:13pm ~ printed 03/18/2020 04:24pm



NORTON RD BETWEEN STATION 1+50 AND 12+50



DETAIL - INT 1095

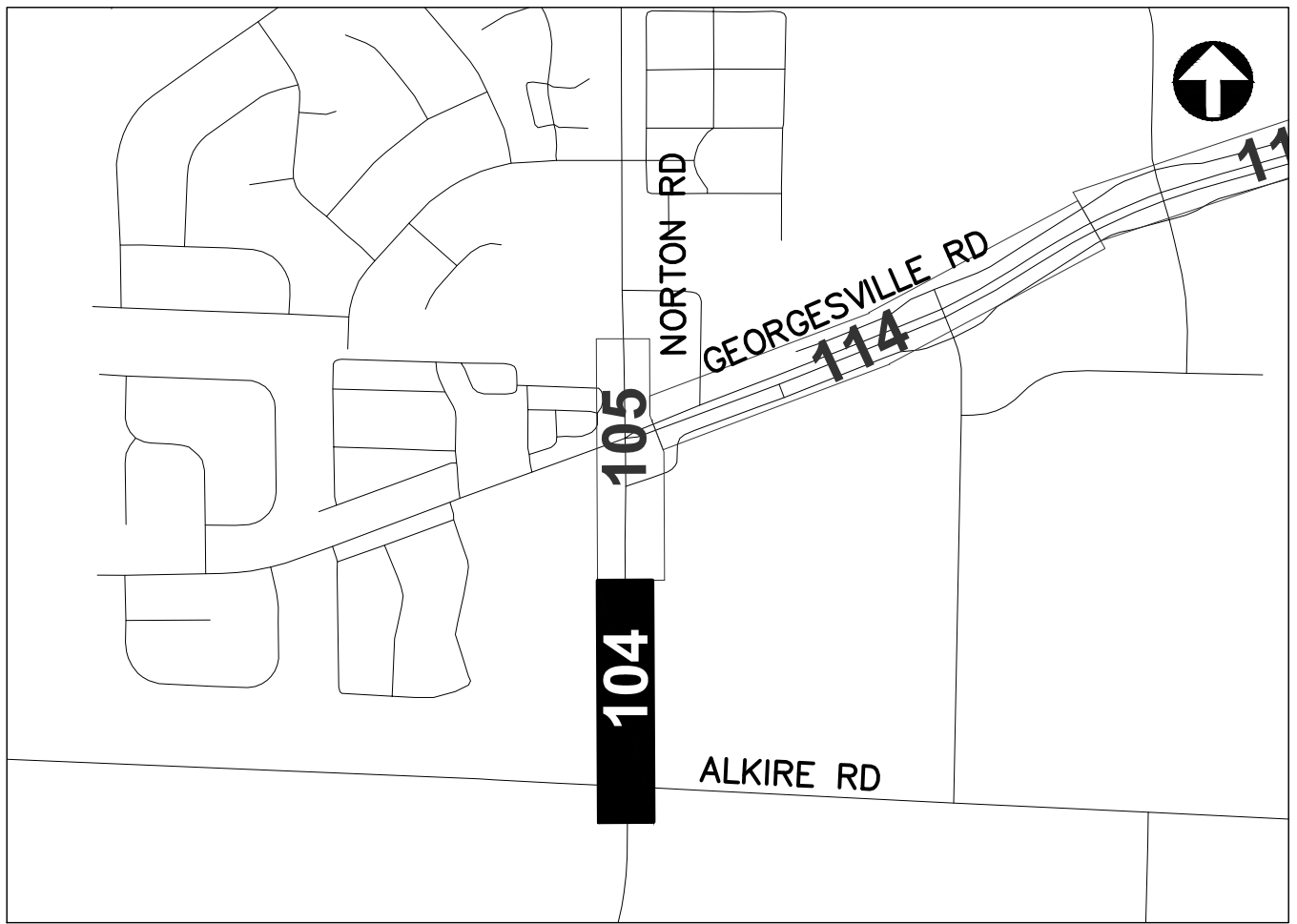


NOTES:

1. SEE SHEET 110 FOR QUANTITIES.
2. SEE SHEETS 683 & 935 FOR COMMUNICATION DETAILS.
3. ADDITIONAL 150' SLACK PROVIDED AT SPLICE ENCLOSURE FOR FUTURE DoT USE FOR A TOTAL OF 225' SLACK.

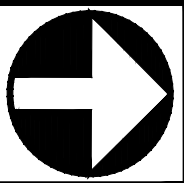


- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
NORTON RD BETWEEN STA. 1+50 AND 12+50, INT 1095

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

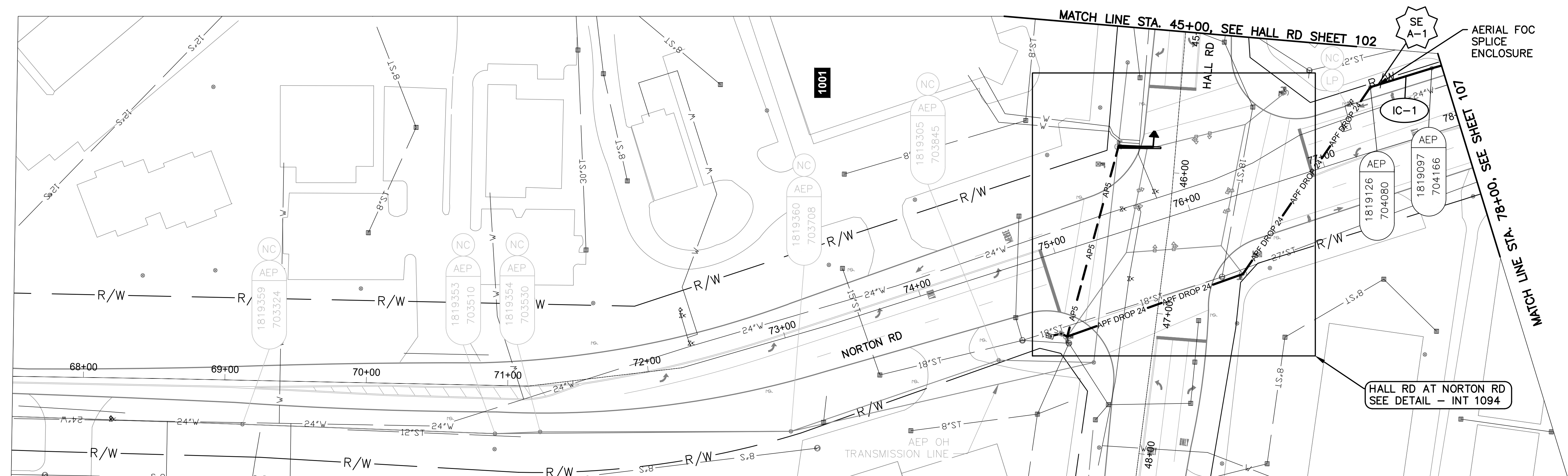
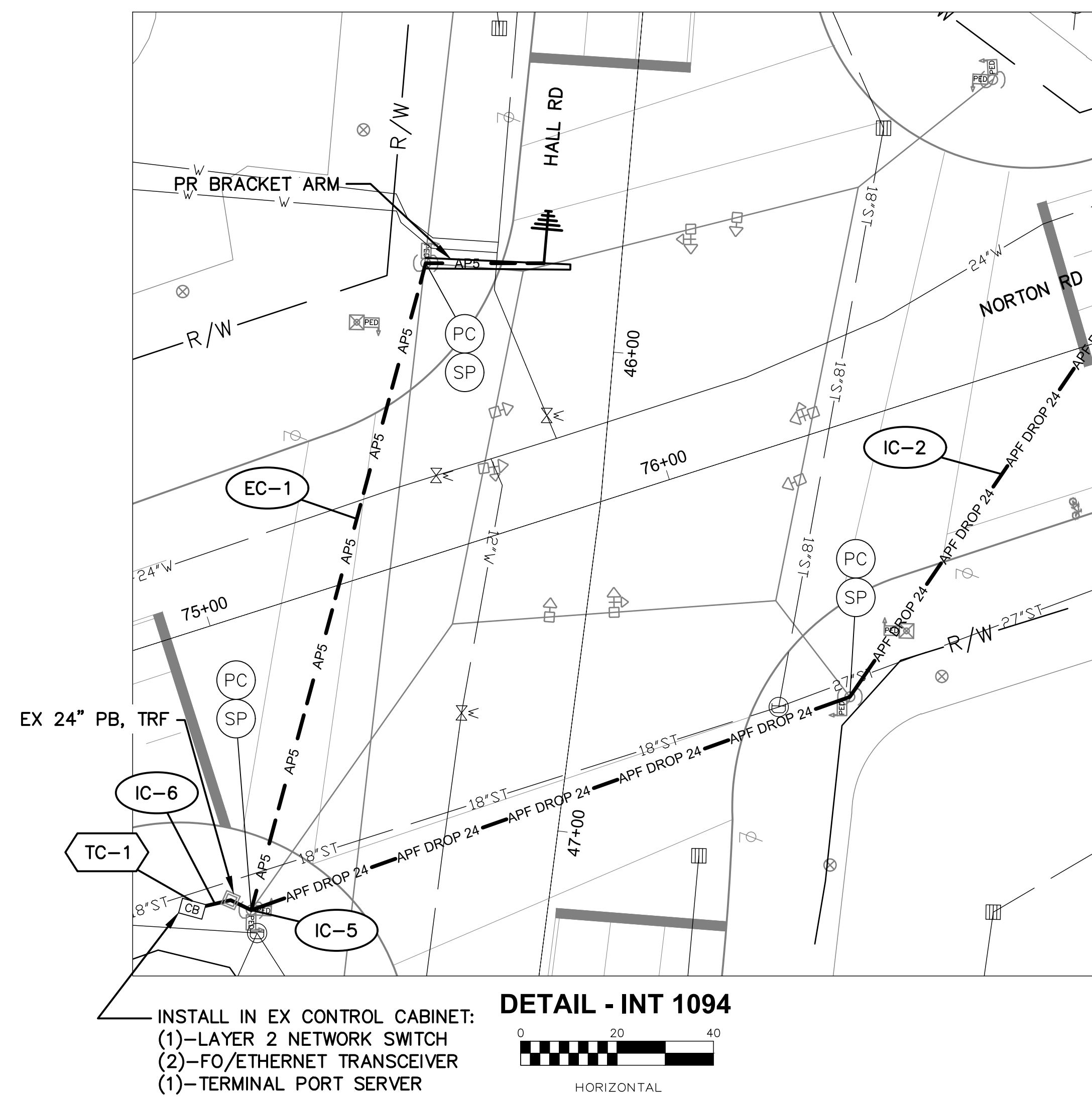
104  
1000

3150-E

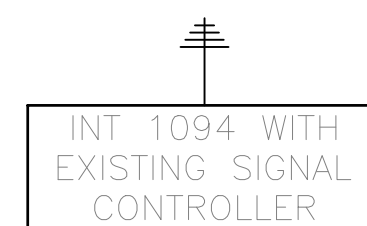








PROPOSED WIRELESS  
SEE SHEET 97  
INT SIG4730 - GALLOWAY  
ROAD AT HALL ROAD

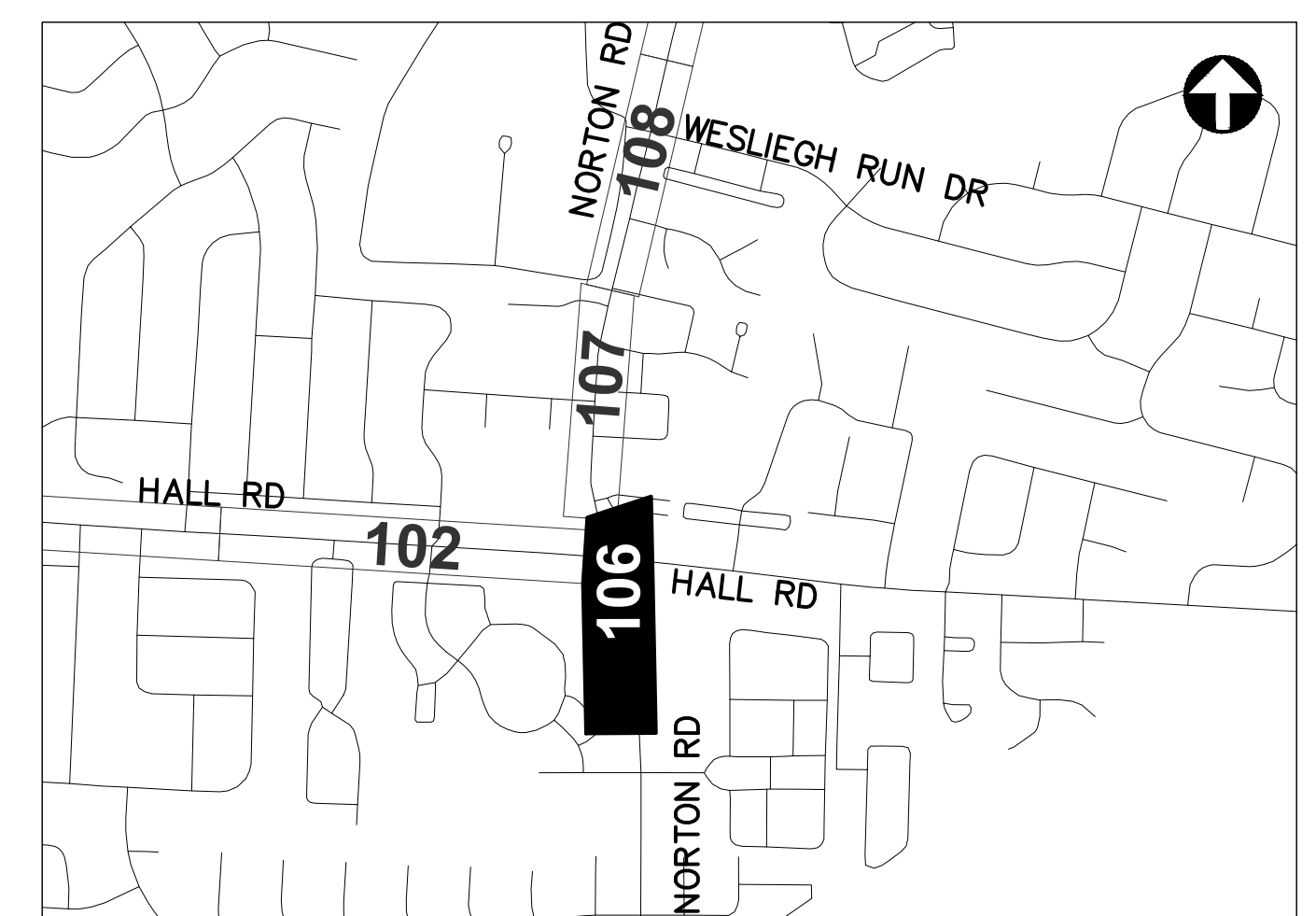


NOTES:

1. SEE SHEET 110 FOR QUANTITIES.
2. SEE SHEETS 683 & 937 FOR COMMUNICATION DETAILS.

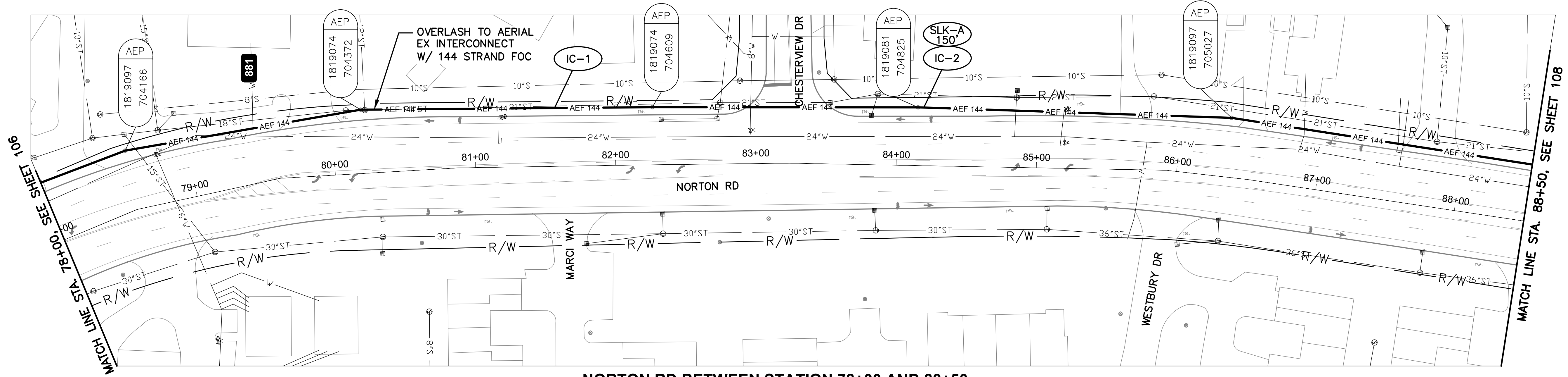


| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |





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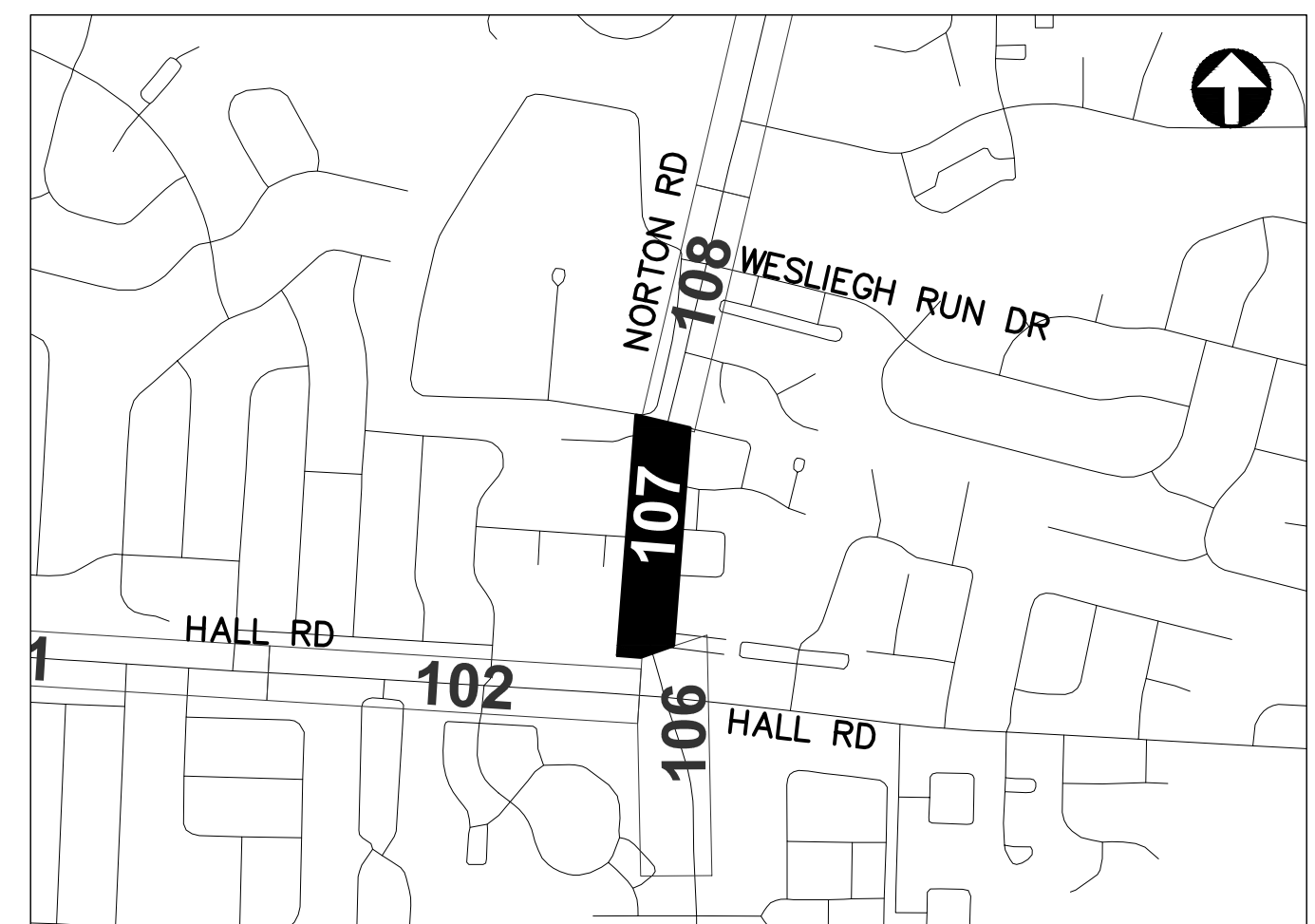
NORTON RD BETWEEN STATION 78+00 AND 88+50

**NOTES:**

1. SEE SHEET 110 FOR QUANTITIES.
2. SEE SHEET 683 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

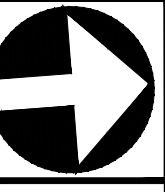
**KEY PLAN**  
NOT TO SCALE

3150-E

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

INTERCONNECT PLAN  
NORTON RD BETWEEN STA. 78+00 AND 88+50

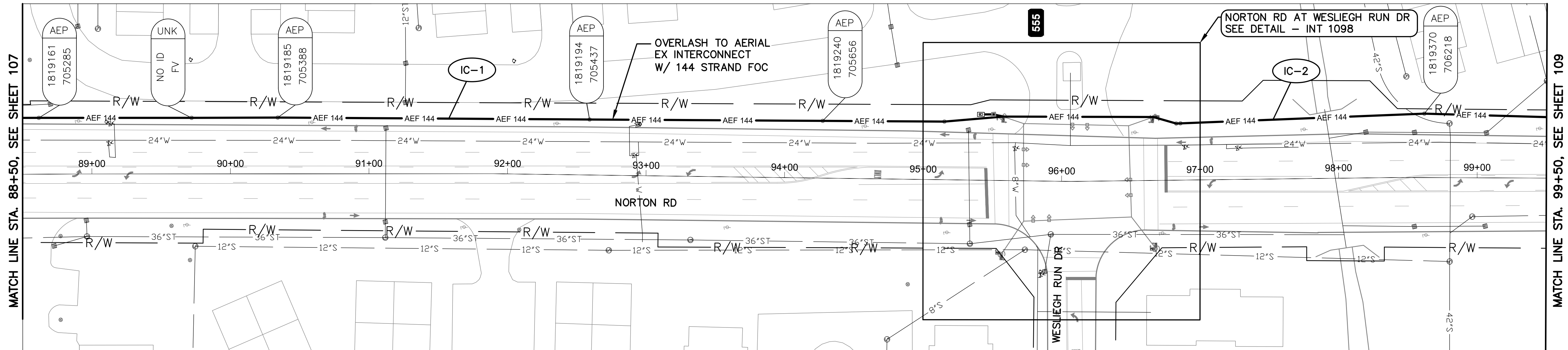
CIP: 540007-100006  
PID NUMBER: 82573



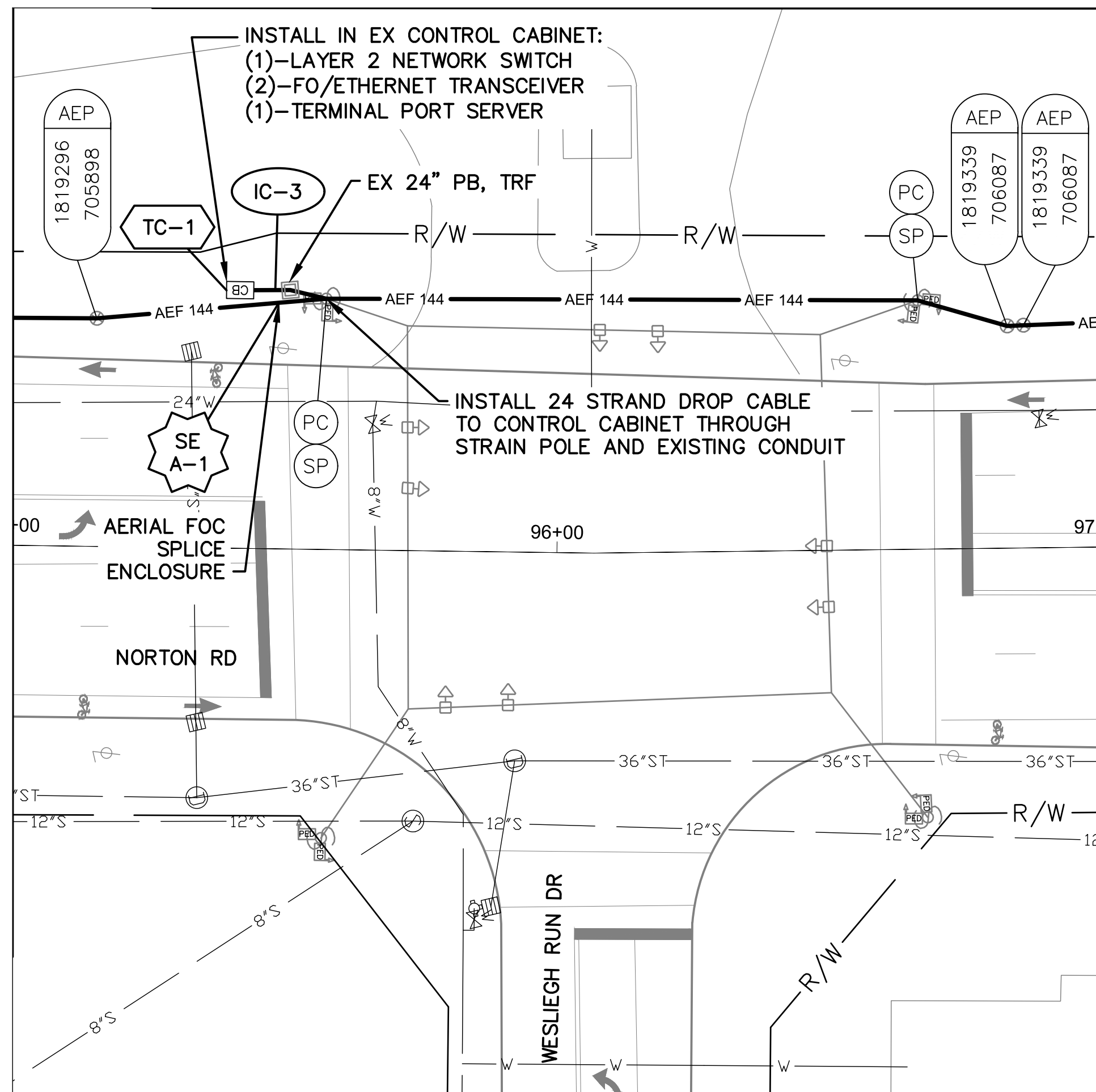
107  
1000



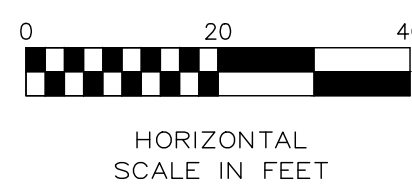
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NORTON RD BETWEEN STATION 88+50 AND 99+50



DETAIL - INT 1098

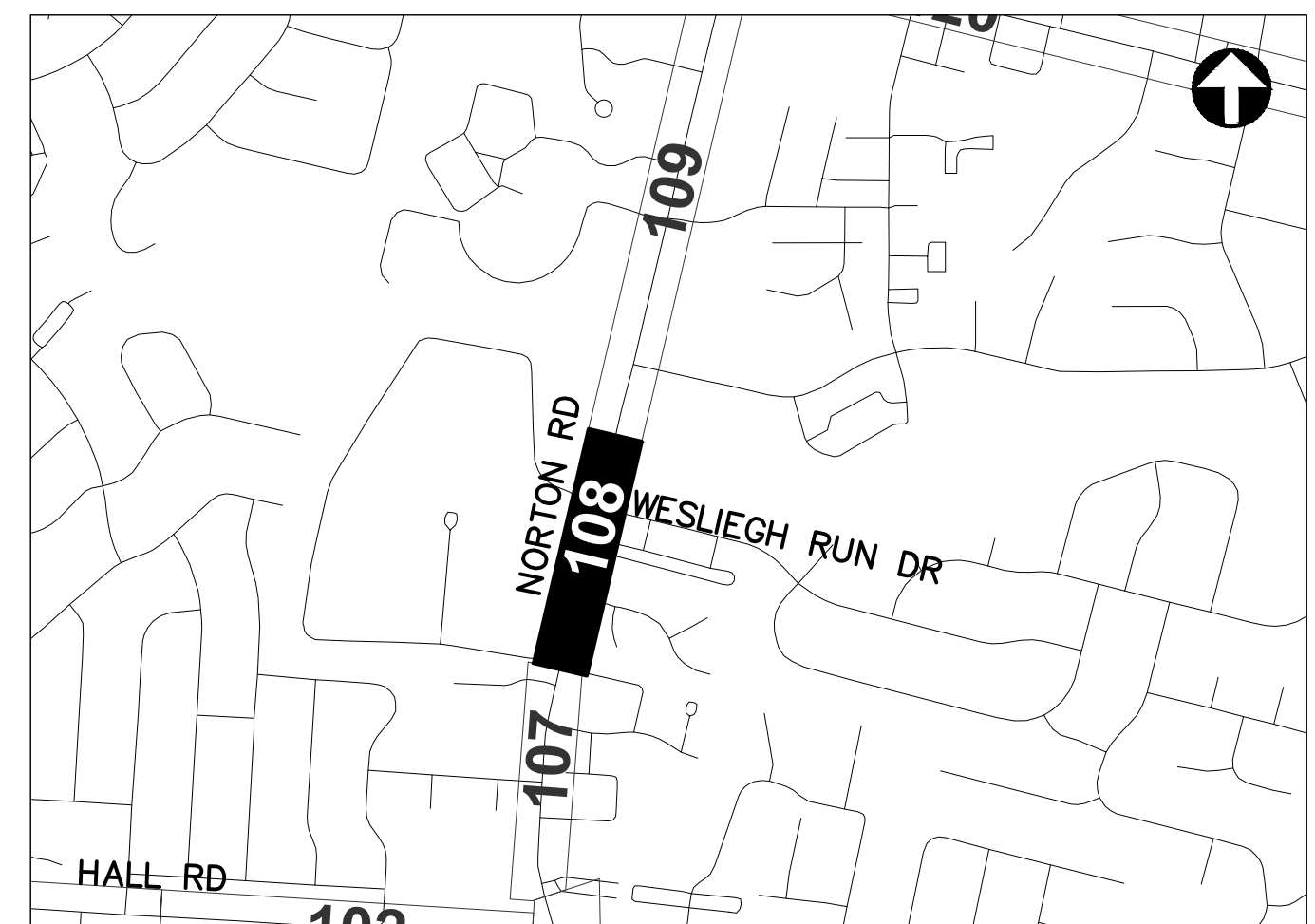


NOTES:

1. SEE SHEET 110 FOR QUANTITIES.
2. SEE SHEETS 683 & 938 FOR COMMUNICATION DETAILS.

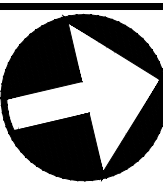


| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
NORTON RD BETWEEN STA. 88+50 AND 99+50, INT 1098

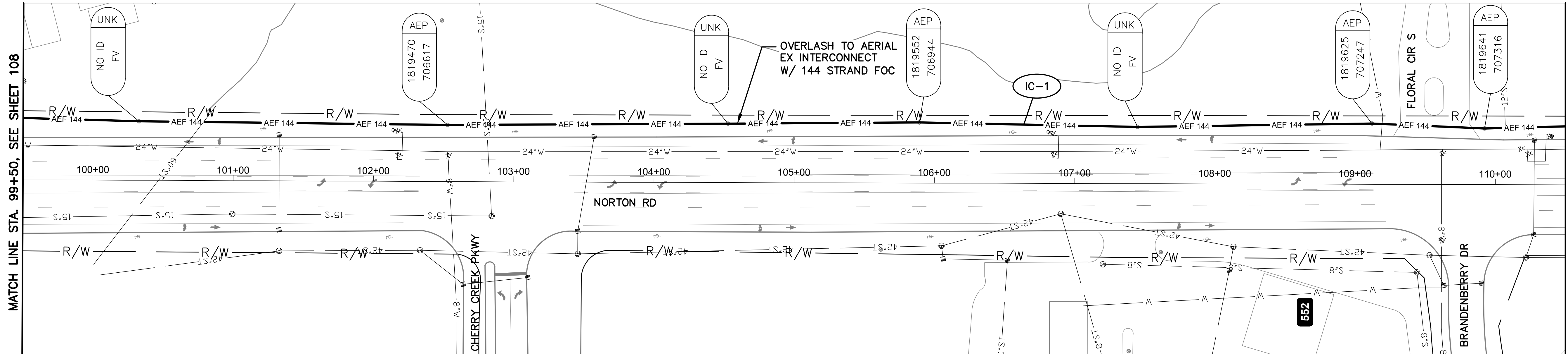
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

108  
1000

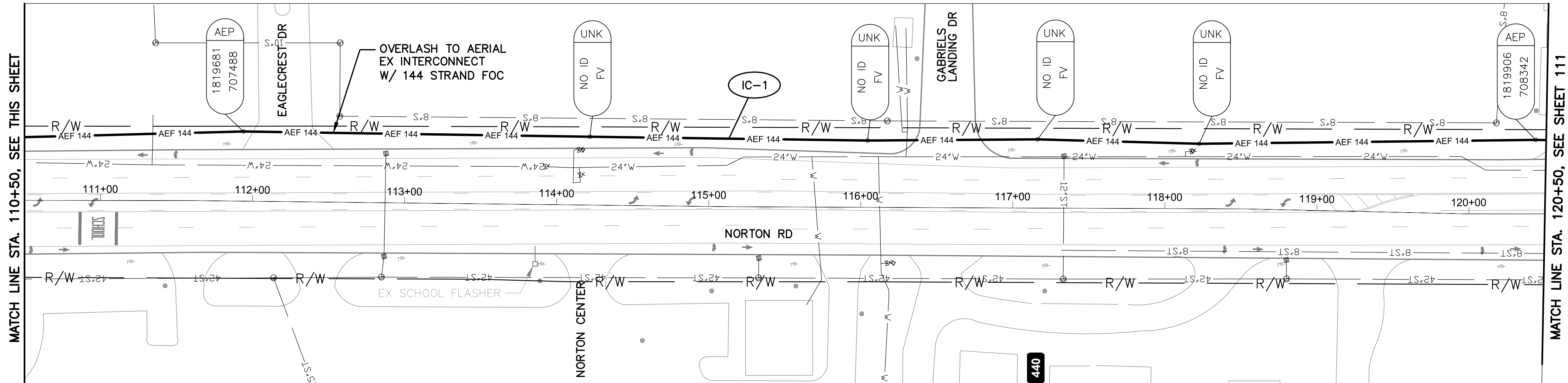
3150-E



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NORTON RD BETWEEN STATION 99+50 AND 110+50



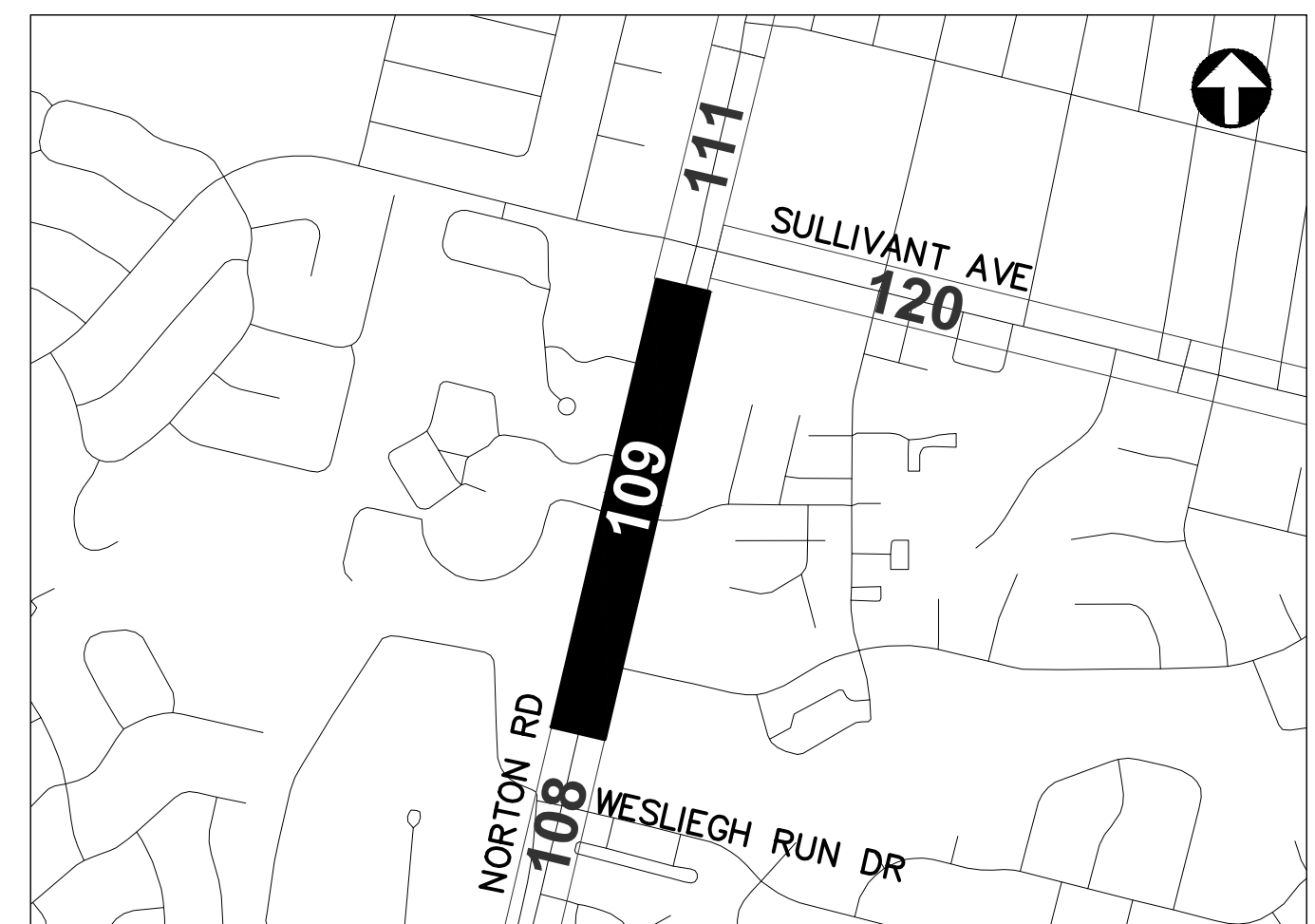
NORTON RD BETWEEN STATION 110+50 AND 120+50

NOTES:

1. SEE SHEET 110 FOR QUANTITIES.
2. SEE SHEET 683 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

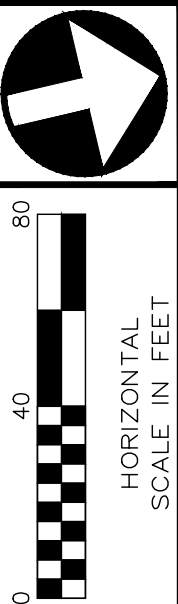
KEY PLAN  
NOT TO SCALE

INTERCONNECT PLAN  
NORTON RD BETWEEN STA. 99+50 AND 120+50

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

109  
1000

3150-E



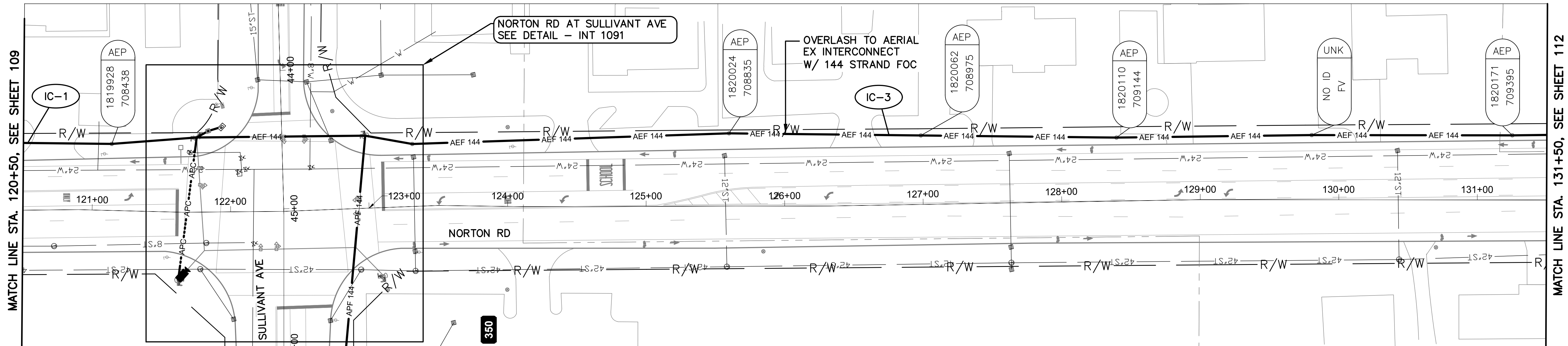
CIP: 540007-100006  
PID NUMBER: 82573



J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PhD\_Trunk0\_NORTON\_IC\_QUANTITIES.dwg - NORTON-Q1 layout ~ last saved by: gburch 07/29/2016 03:04pm ~ printed 03/18/2020 04:32pm

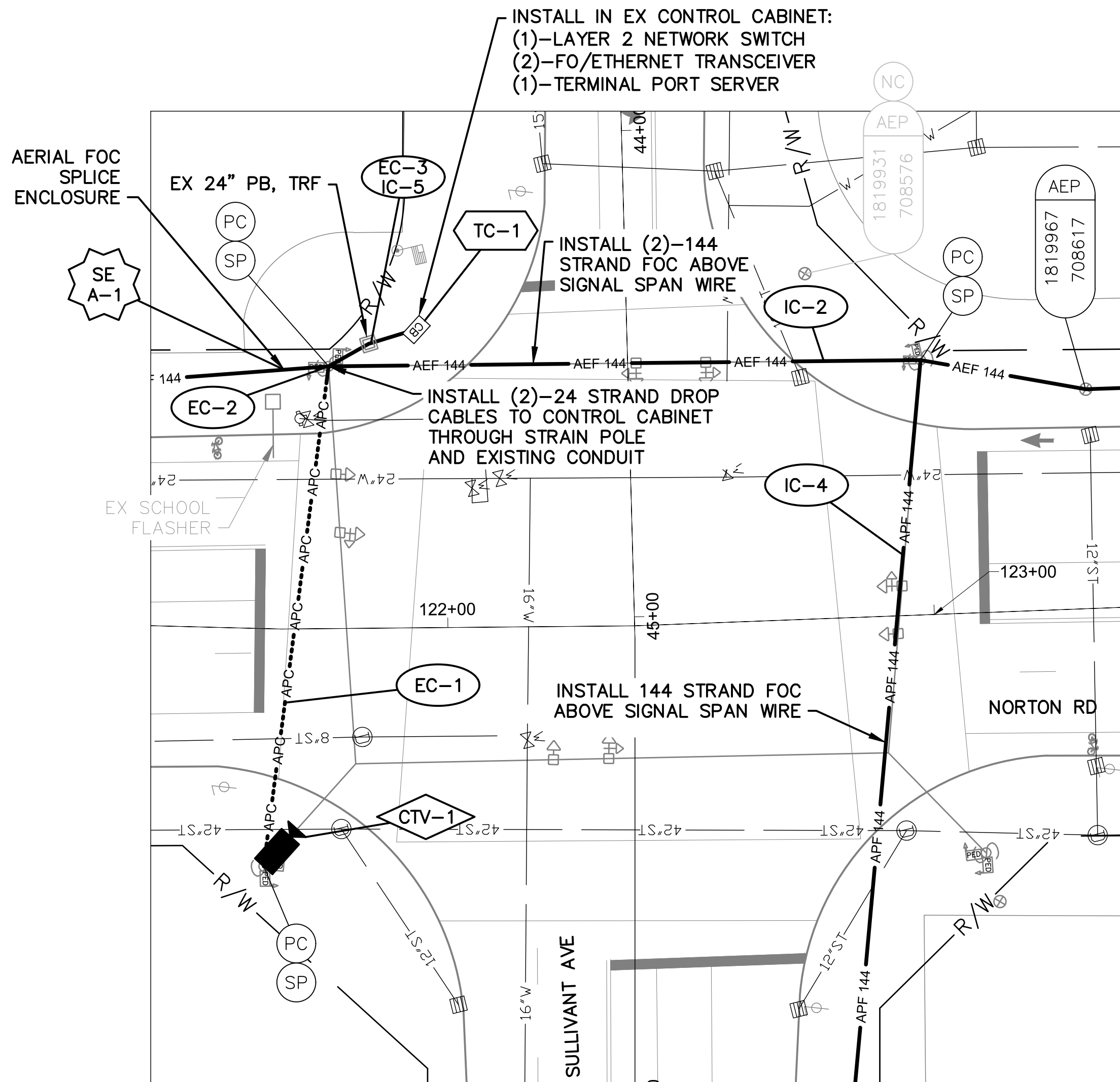


J:\Jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_Trunk0\_NORTON\_INTERCONNECT.dwg - NORTON-9 layout ~ last saved by jbeans 10/16/2018 12:13pm ~ printed 03/18/2020 04:35pm

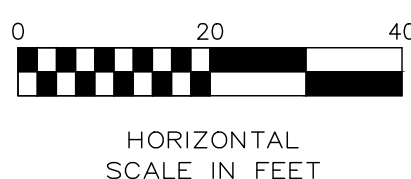
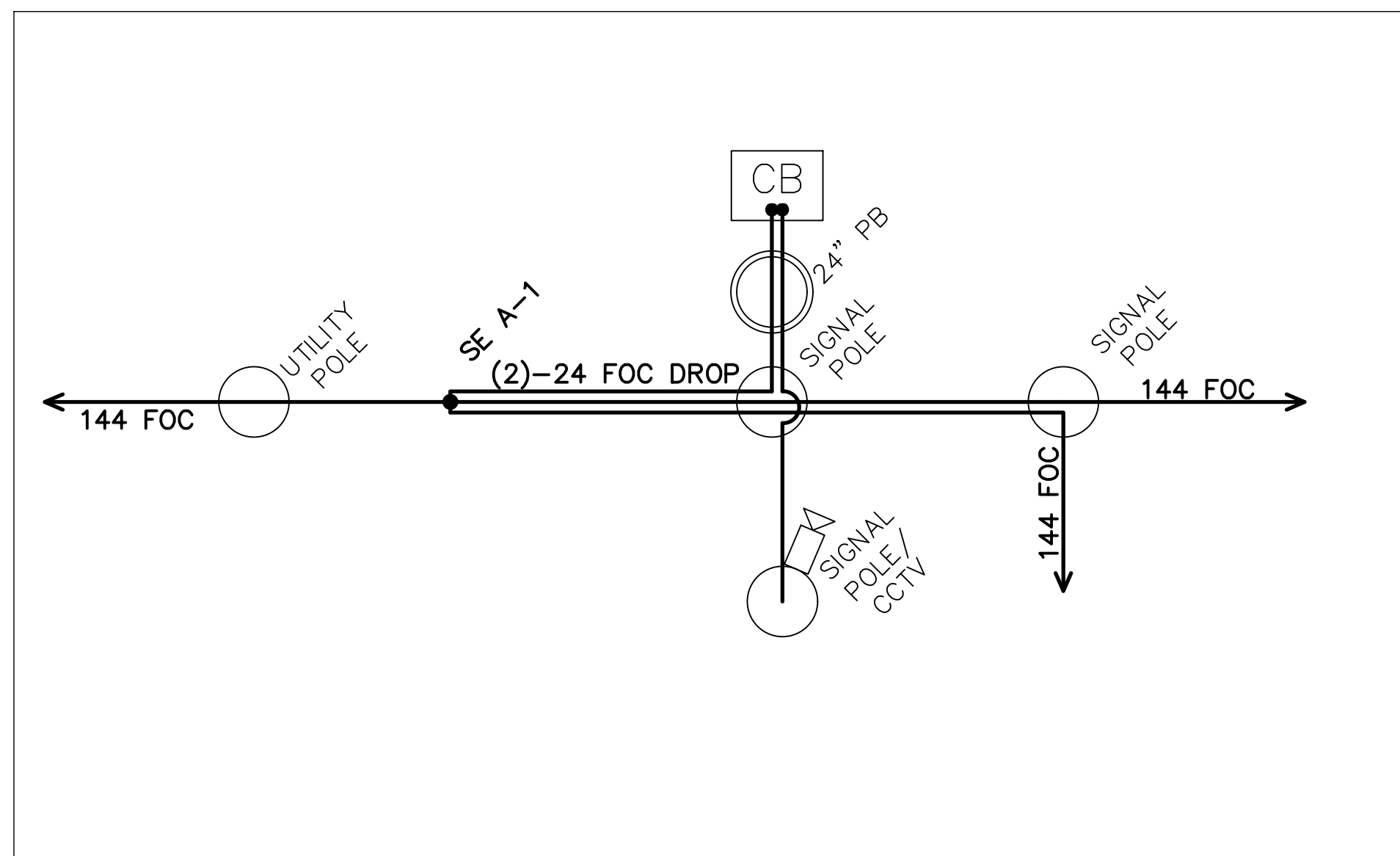


MATCH LINE STA. 46+00, SEE SULLIVANT AVE SHEET 120

NORTON RD BETWEEN STATION 120+50 AND 131+50



DETAIL - INT 1091



CABLE SCHEMATIC - INT 1091  
NOT TO SCALE

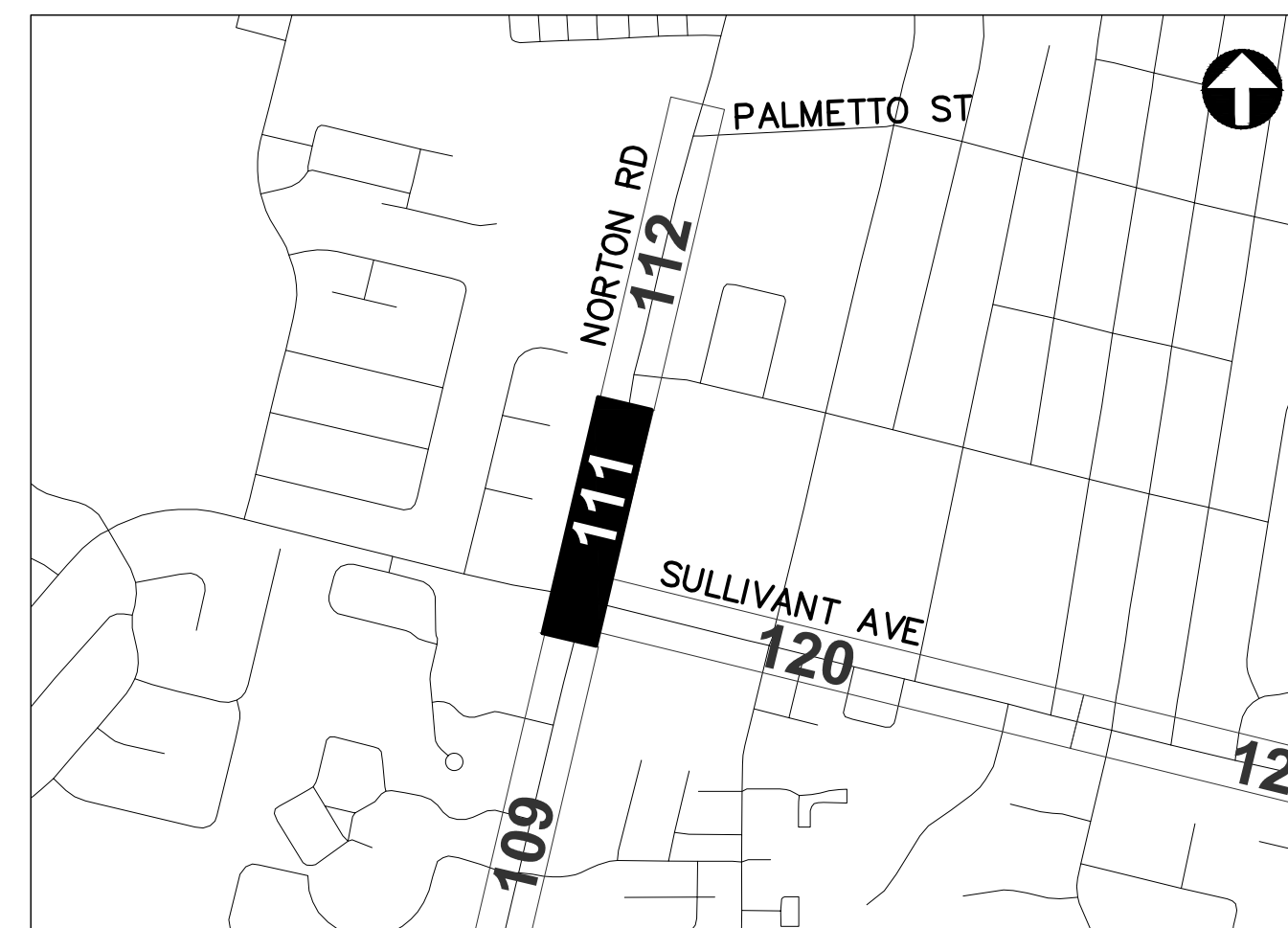
NOTES:

1. SEE SHEET 113 FOR QUANTITIES.
2. SEE SHEETS 683 & 939 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 1091, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.



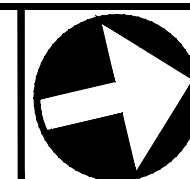
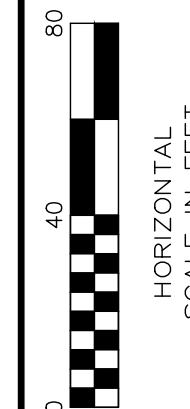
CITY OF COLUMBUS  
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
NORTON RD BETWEEN STA. 120+50 AND 131+50, INT 1091

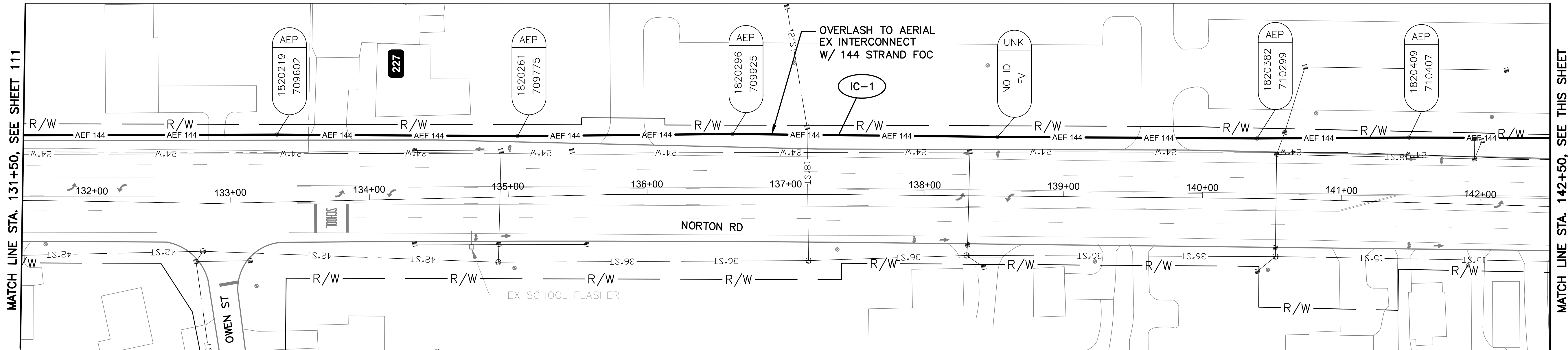
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

111  
1000

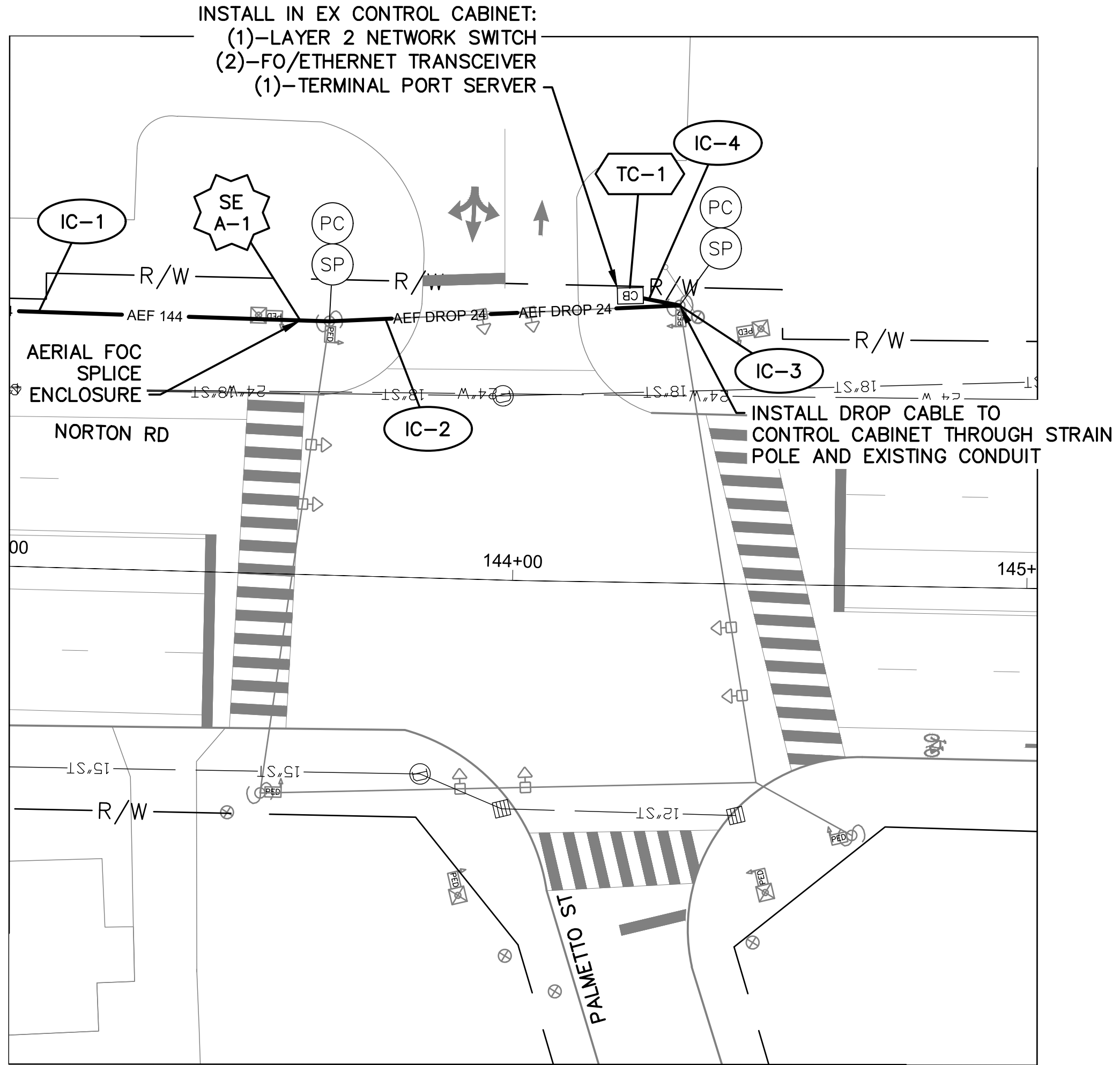
3150-E



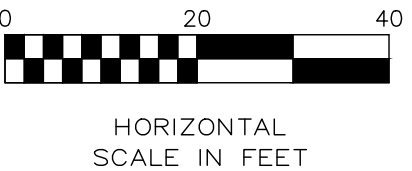
J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunko\_NORTON\_INTERCONNECT.dwg -- NORTON-10 layout -- last saved by: jbeana 10/18/2018 12:13pm -- printed: 03/18/2020 04:38pm



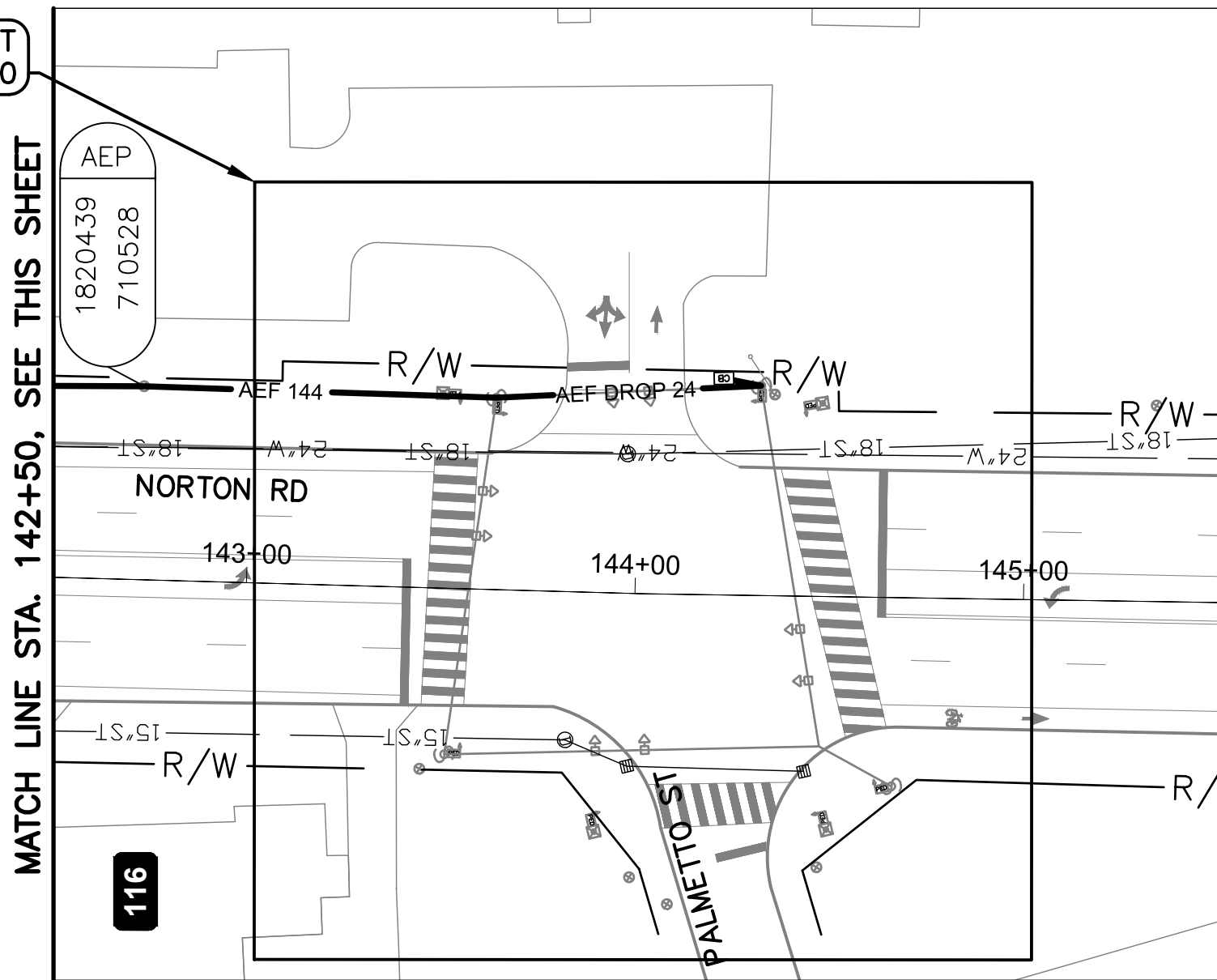
NORTON RD BETWEEN STATION 131+50 AND 142+50



DETAIL - INT SIG4250



NORTON RD AT PALMETTO ST  
SEE DETAIL - INT SIG4250



NORTON RD BETWEEN STATION 142+50 AND 145+50

NOTES:

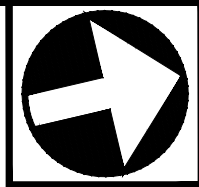
1. SEE SHEET 113 FOR QUANTITIES.
2. SEE SHEETS 683 & 940 FOR COMMUNICATION DETAILS.

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  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING

REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
NORTON RD BETWEEN STA. 131+50 AND 145+50, INT SIG4250

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

112  
1000

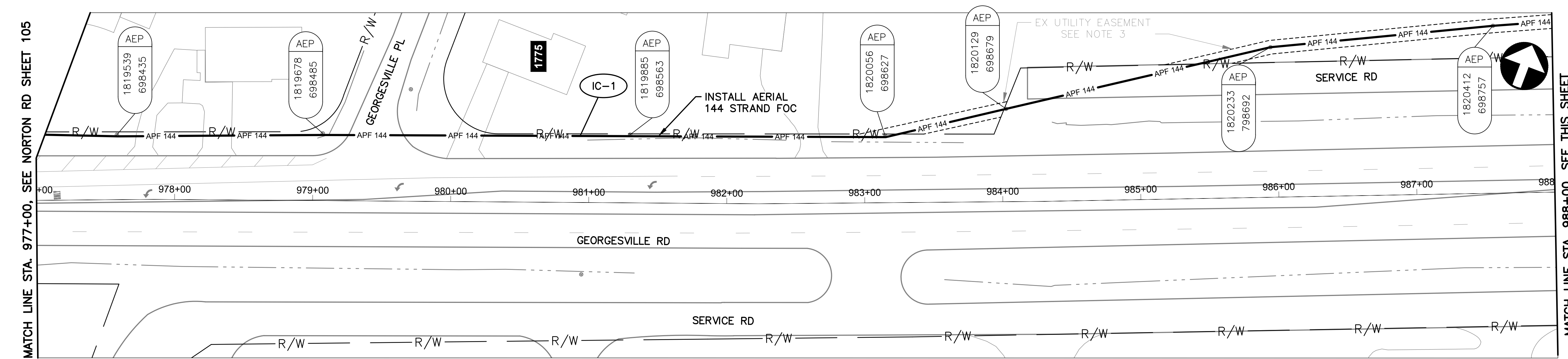
3150-E



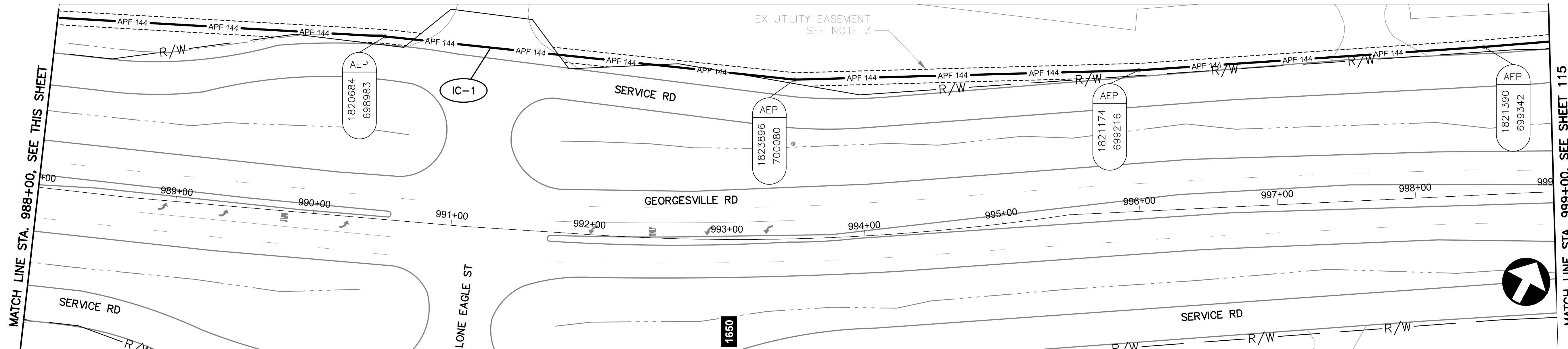
**QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.**



J:\Jobs\60135\TECHPROD\Streets\CTSS\PHD\_Trunk0\_Georgesville\INTERCONNECT.dwg - Georgesville-1 layout ~ last saved by: gburch 11/22/2016 11:39am ~ printed: 03/18/2020 04:40pm



GEORGESVILLE RD BETWEEN STATION 977+00 AND 988+00



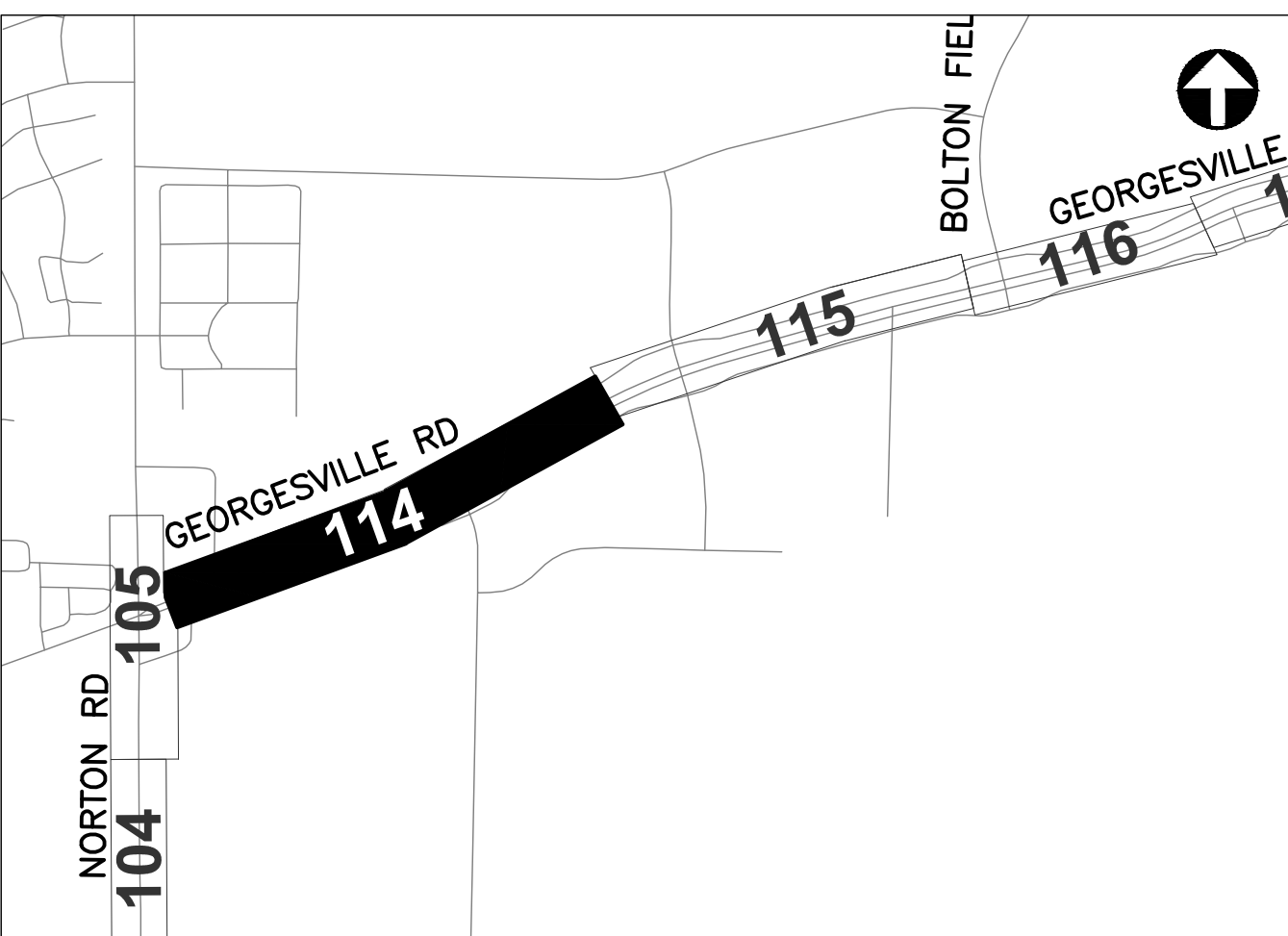
GEORGESVILLE RD BETWEEN STATION 988+00 AND 999+00

**NOTES:**

1. SEE SHEET 119 FOR QUANTITIES.
2. SEE SHEET 683 FOR COMMUNICATION DETAILS.
3. EXISTING AEP POLE LINE BETWEEN NORTON RD AND I-270 IS DESCRIBED UNDER EASEMENT - VOL 3303, PAGE 192.

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  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

INTERCONNECT PLAN  
GEORGESVILLE RD BETWEEN STA. 977+00 AND 999+00

CIP: 540007-10006  
PID NUMBER: 82573

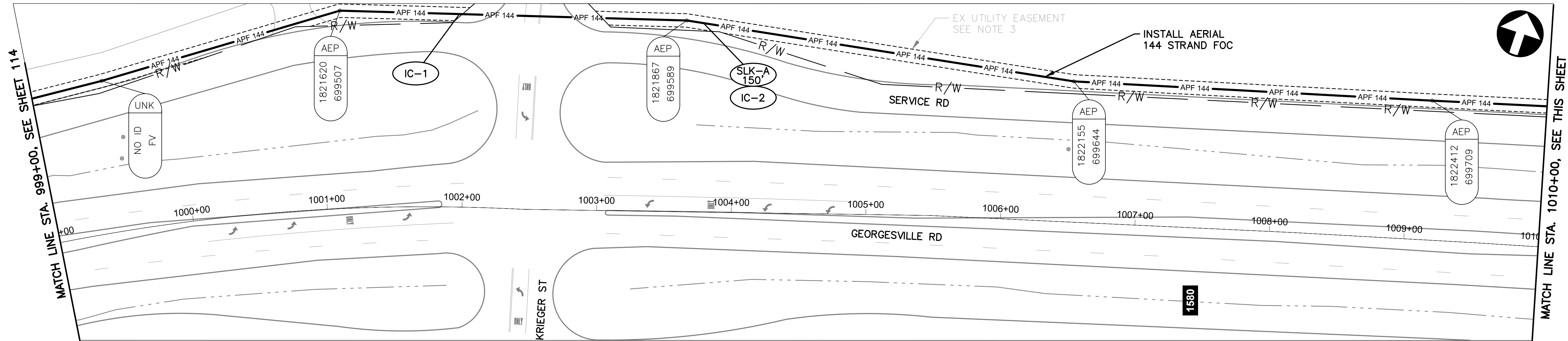


**114**  
**1000**

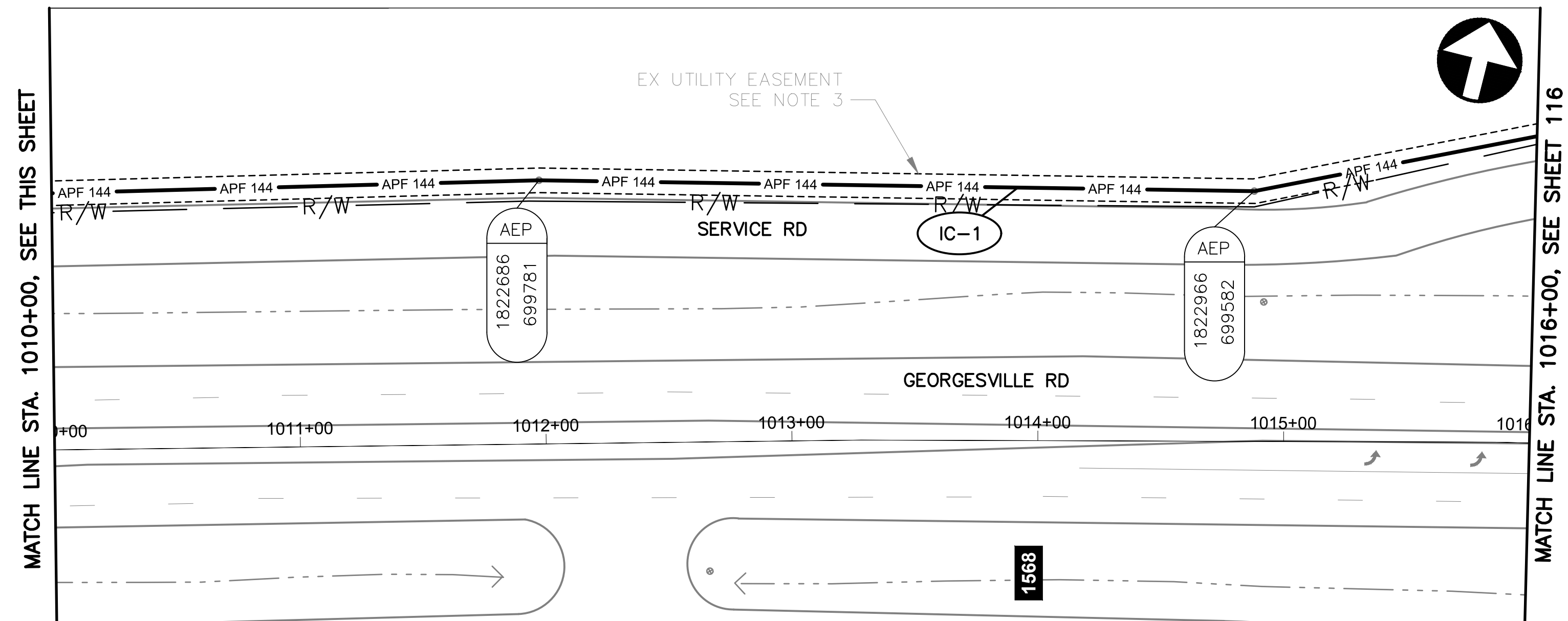
**3150-E**



J:\Jobs\60135\TECHPROD\Streets\CTSS\PHD\_Trunko\_Georgesville\INTERCONNECT.dwg - Georgesville-2 layout ~ last saved by: gburch 11/22/2016 11:39am ~ printed 03/18/2020 04:40pm



GEORGESVILLE RD BETWEEN STATION 999+00 AND 1010+00



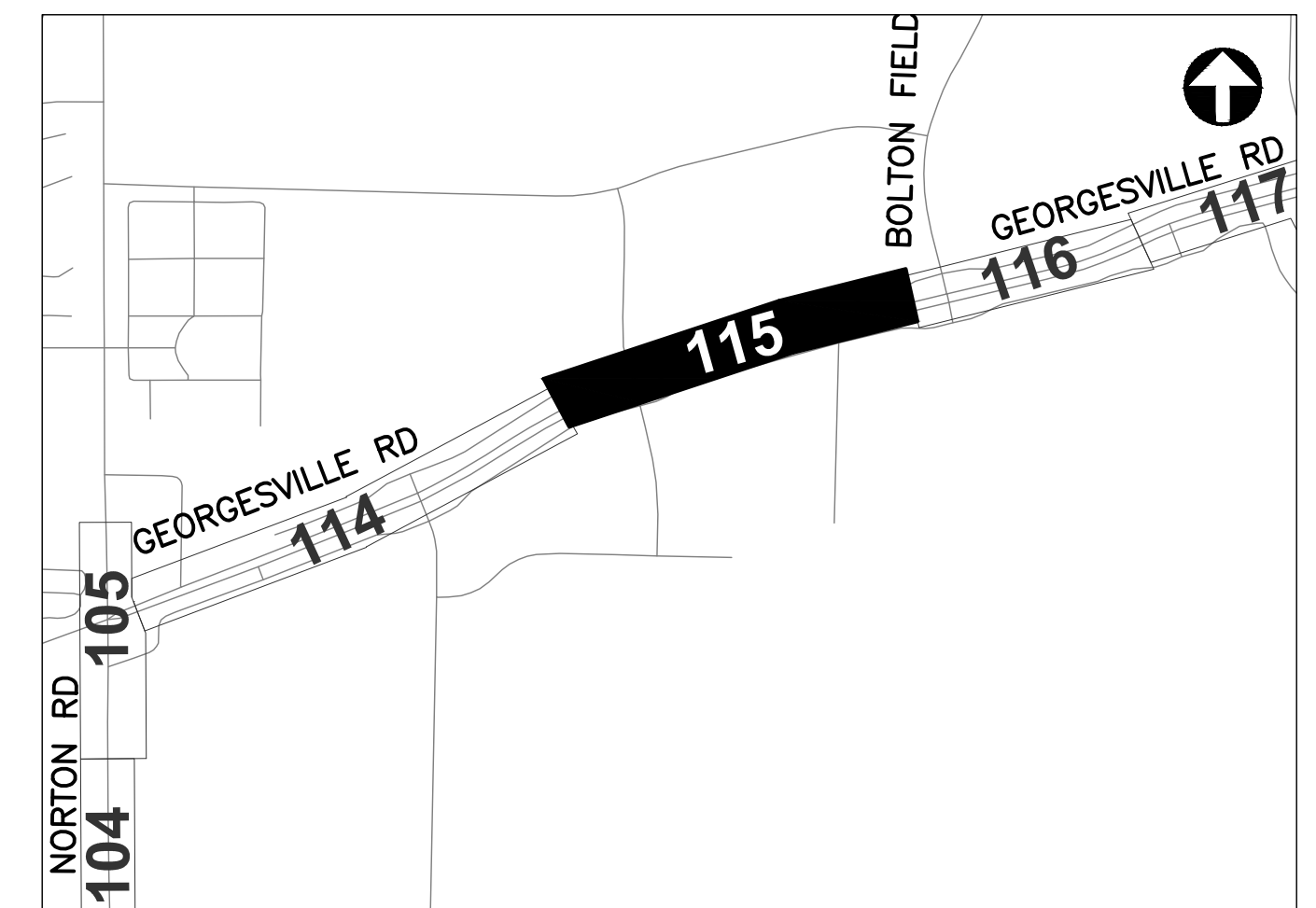
GEORGESVILLE RD BETWEEN STATION 1010+00 AND 1016+00

**NOTES:**

1. SEE SHEET 119 FOR QUANTITIES.
2. SEE SHEET 683 FOR COMMUNICATION DETAILS.
3. EXISTING AEP POLE LINE BETWEEN NORTON RD AND I-270 IS DESCRIBED UNDER EASEMENT - VOL 3303, PAGE 192.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

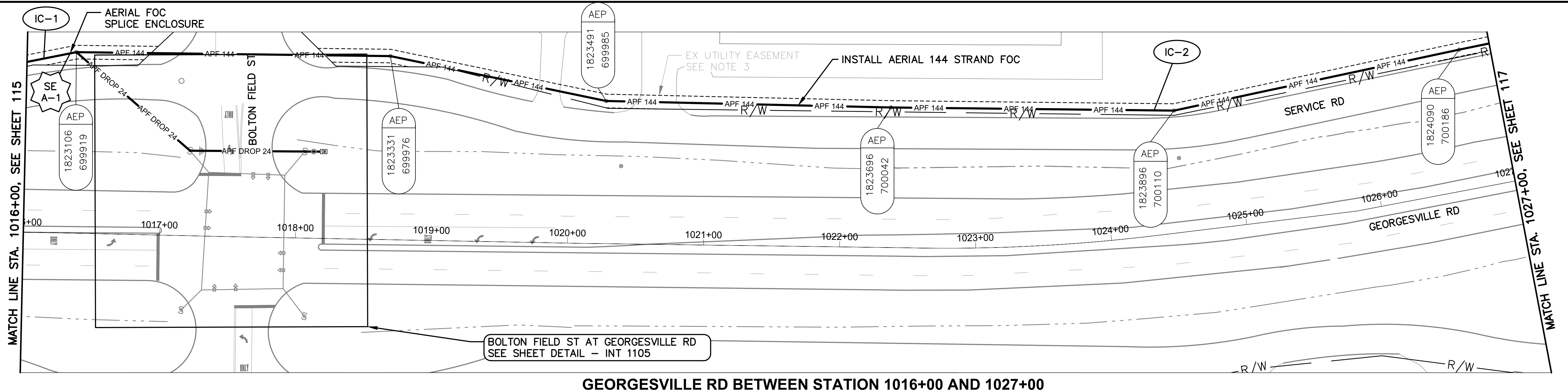
INTERCONNECT PLAN  
GEORGESVILLE RD BETWEEN STA. 999+00 AND 1016+00

CIP: 540007-100006  
PID NUMBER: 82573

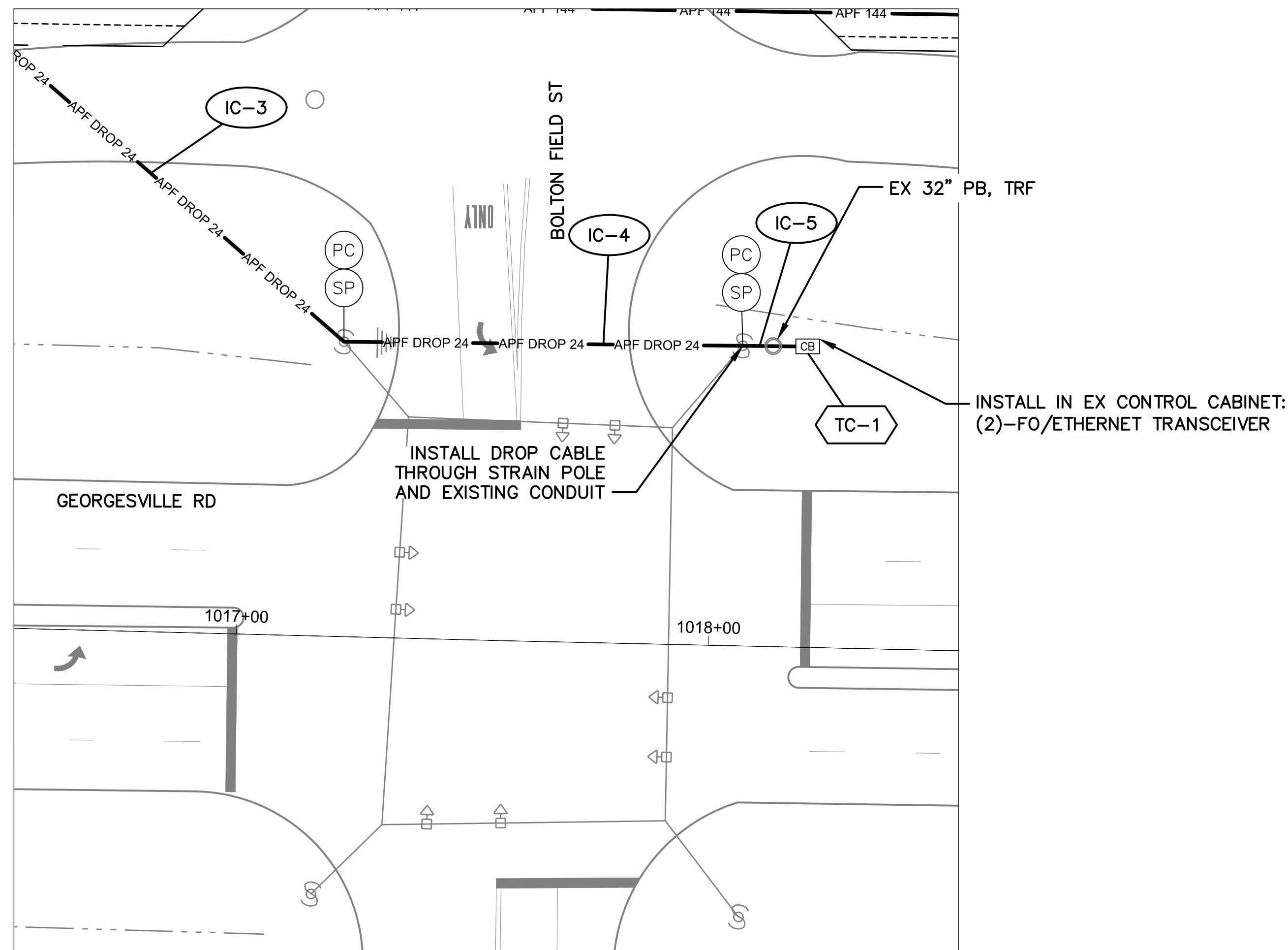




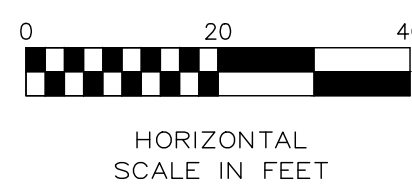
J:\Jobs\60135\TCHPROD\Sheets\CTSS\PHD\_TrunkO\_Georgesville\INTERCONNECT.dwg - GEORGESVILLE-3 layout ~ last saved by: gburch 11/22/2016 11:39am ~ printed: 03/18/2020 04:41pm



GEORGESVILLE RD BETWEEN STATION 1016+00 AND 1027+00



DETAIL - INT 1105

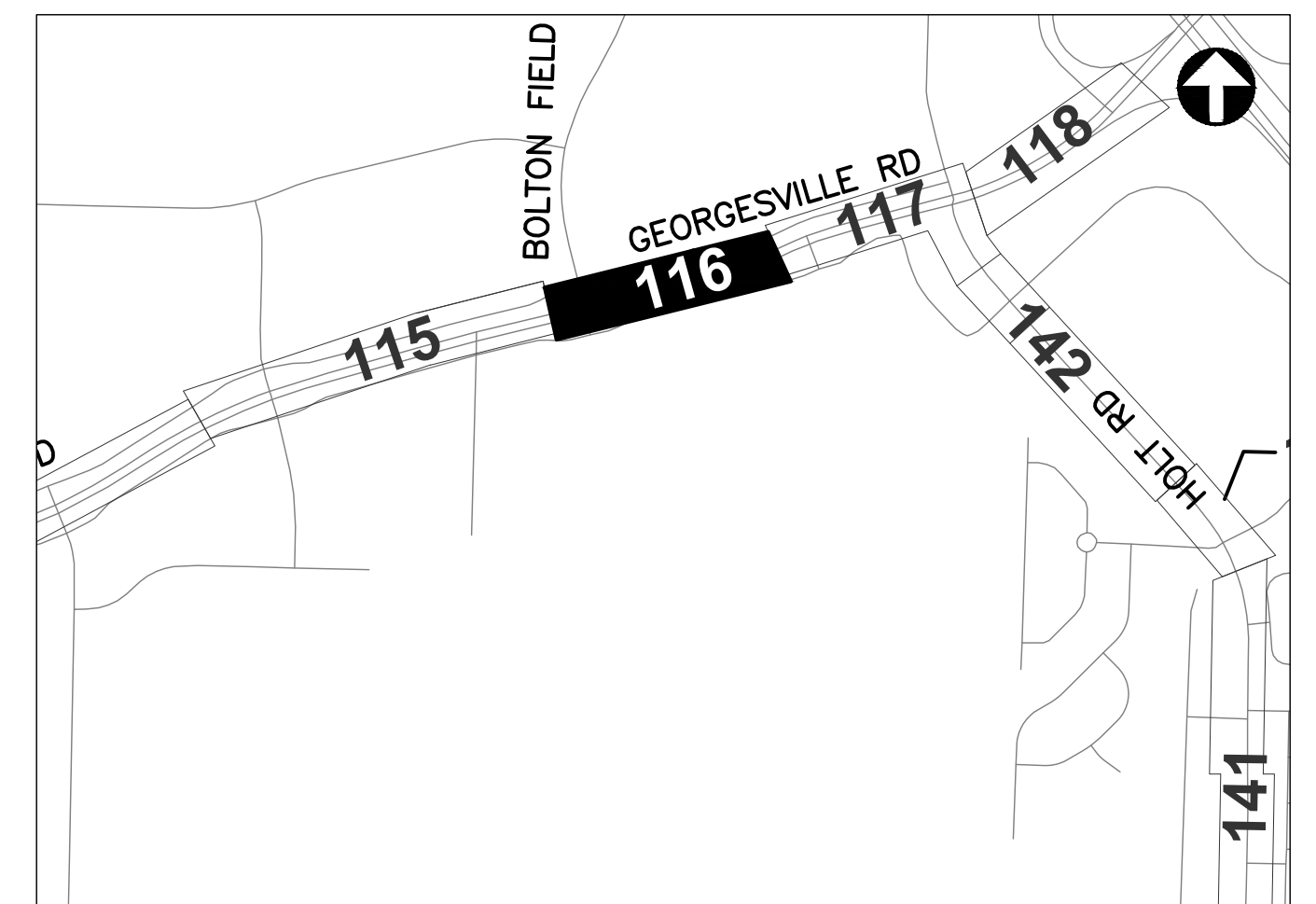


NOTES:

1. SEE SHEET 119 FOR QUANTITIES.
2. SEE SHEETS 683 & 941 FOR COMMUNICATION DETAILS.
3. EXISTING AEP POLE LINE BETWEEN NORTON RD AND I-270 IS DESCRIBED UNDER EASEMENT - VOL 3303, PAGE 192.



| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

INTERCONNECT PLAN  
GEORGESVILLE RD BETWEEN STA. 1016+00 AND 1027+00, INT 1105

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

116  
1000

3150-E



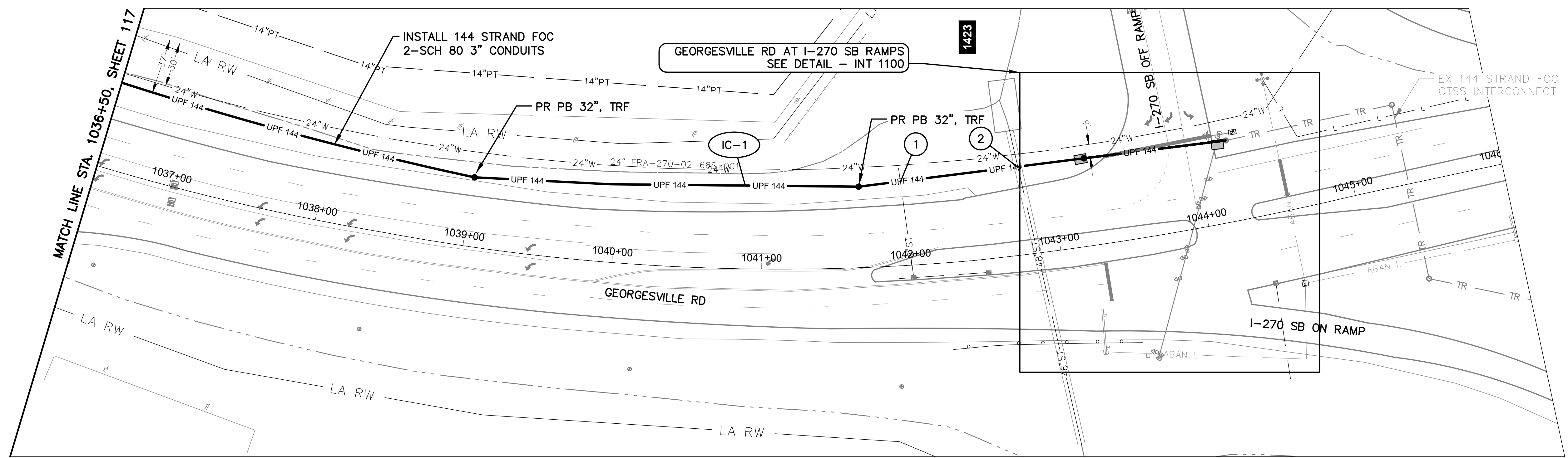
CIP: 540007-100006  
PID NUMBER: 82573



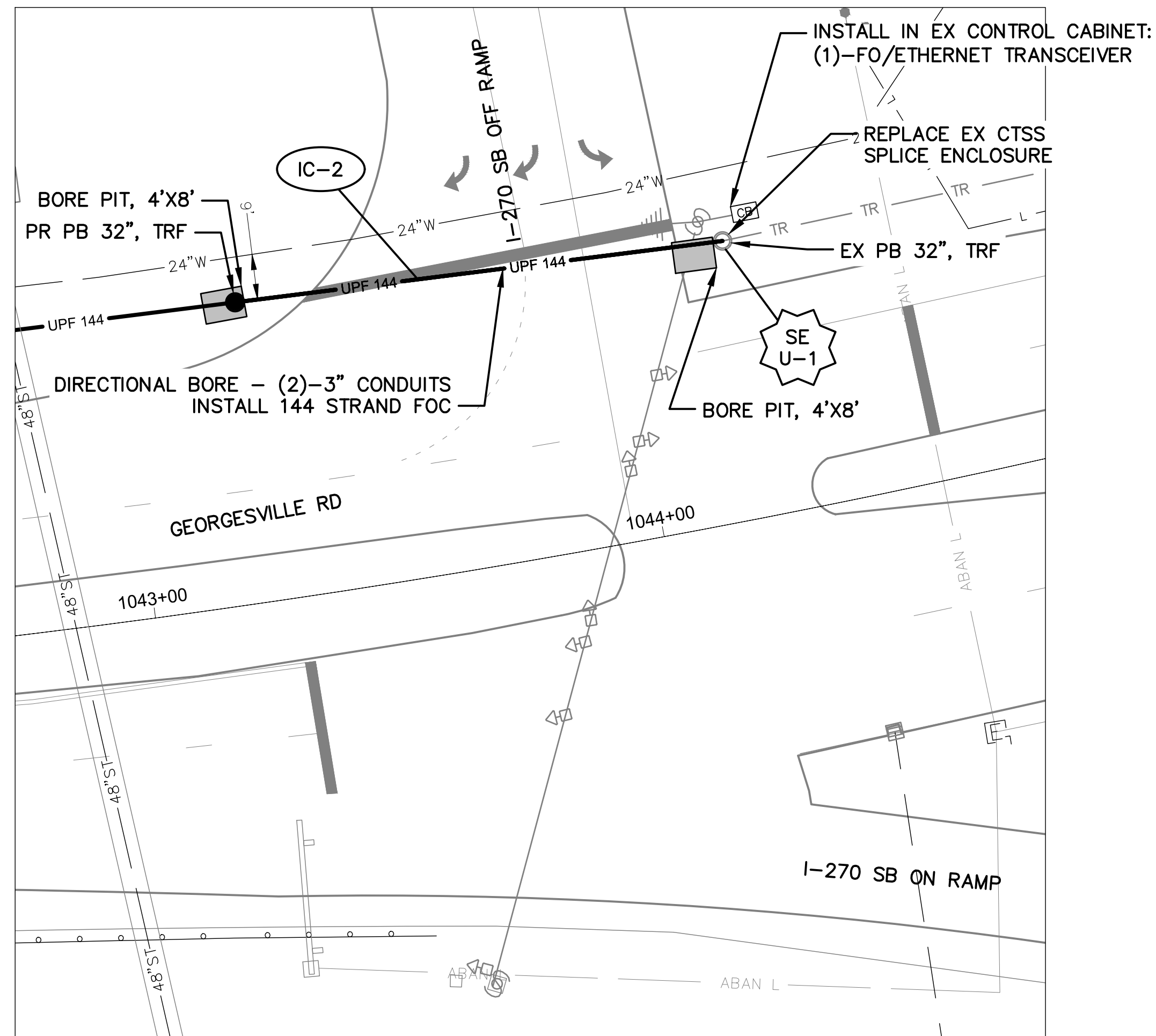




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GEORGESVILLE RD BETWEEN STATION 1036+50 AND 1046+00



DETAIL - INT 1100  
0 20 40  
HORIZONTAL  
SCALE IN FEET

NOTES:

1. SEE SHEET 119 FOR QUANTITIES.
2. SEE SHEETS 683 & 946 FOR COMMUNICATION DETAILS.

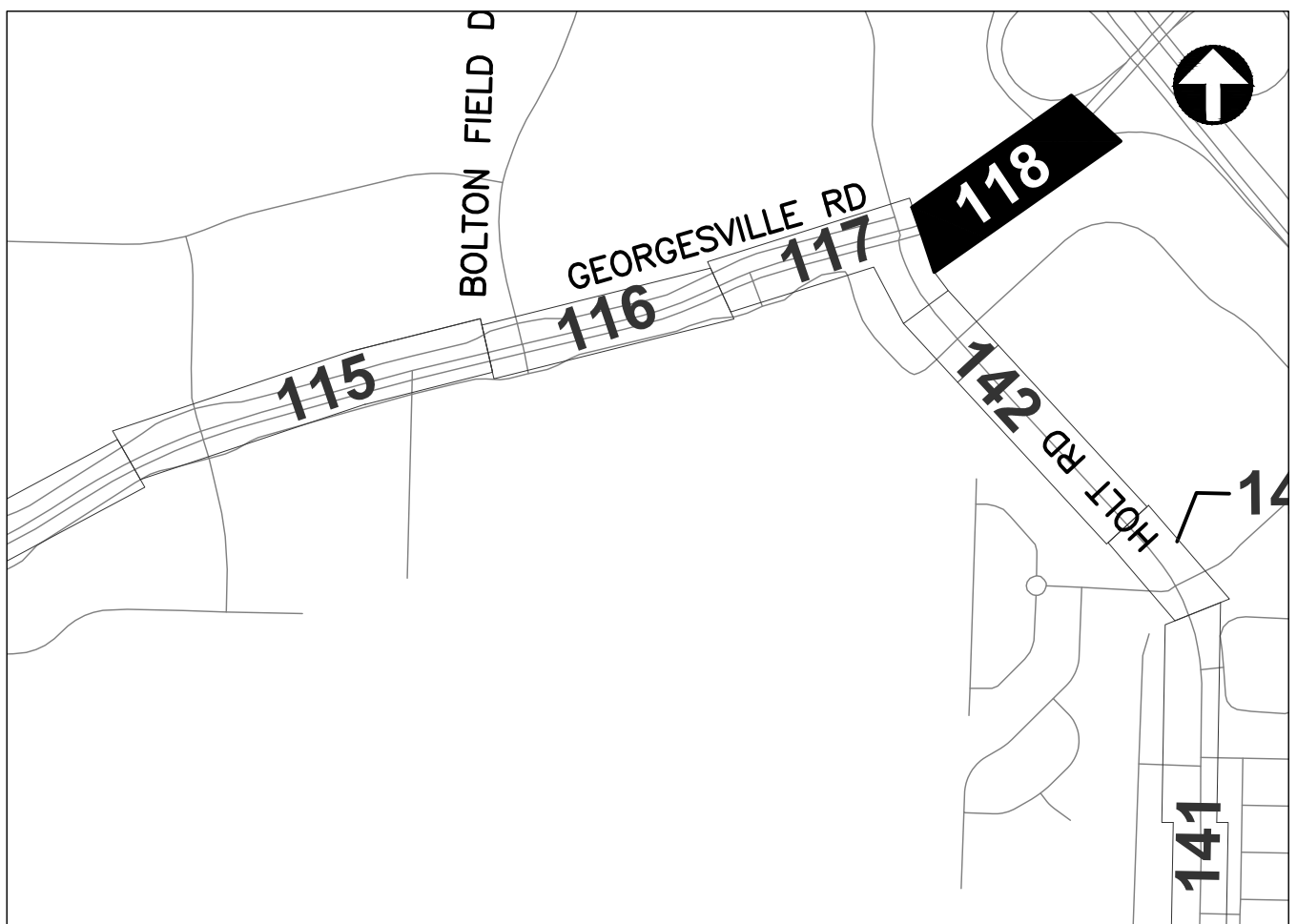
# EXISTING UTILITY CROSSING.  
SEE UTILITY CROSSING INFO  
SHEET 14.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input checked="" type="checkbox"/> | SEWER    |
| <input checked="" type="checkbox"/> | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input type="checkbox"/>            | LIGHTING |

REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

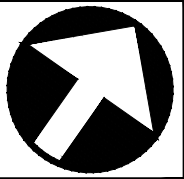


CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

INTERCONNECT PLAN

GEORGESVILLE RD BETWEEN STA. 1036+50 AND 1046+00, INT 1100

CIP: 540007-100006  
PID NUMBER: 82573



118  
1000

3150-E



J:\Jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_TrunkO\_Georgesville\IC\_QUANTITIES.dwg - Georgesville-01 layout ~ last saved by: gburch 07/29/2016 03:05pm ~ printed 03/18/2020 04:43pm

| ESTIMATED QUANTITIES                                        |               |                 |                  |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
|-------------------------------------------------------------|---------------|-----------------|------------------|------------------|------------------------------------------------|------------------------------------------|-----------------------------------|---------------------------------------------------------|------------------------------------------------|-------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------|---|---|
| SHEET NO.                                                   | REFERENCE NO. | LOCATION        | STATION          |                  | 202                                            | 625                                      | 625                               | 625                                                     | 625                                            | 625                                       | 625                                    | 632                                               | 632                                                                  | 632                                                               | 632                                                                      | 632                                                                                    | 632                                                                                    | 632                                                                                  | 632                                                 | 632                                                    | 632                                  | 633                                                                                    |   |   |
|                                                             |               |                 |                  |                  | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | BRACKET ARM, 30', AS<br>PER PLAN<br>EACH | CONDUIT, 3", AS PER<br>PLAN<br>FT | CONDUIT, JACKED OR<br>DRILLED, 3", AS PER<br>PLAN<br>FT | PULL BOX, CONCRETE<br>32", AS PER PLAN<br>EACH | PULL BOX, REMOVED, AS<br>PER PLAN<br>EACH | TRENCH, 36" DEEP, AS<br>PER PLAN<br>FT | CONDUIT RISER, 2",<br>725.04, AS PER PLAN<br>EACH | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPICE<br>EACH | INTERCONNECT, MISC.:<br>SPICE ENCLOSURE,<br>CLAMSHELL, 288 SPICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 450FT DROP<br>CABLE<br>EACH | MESSANGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE<br>FT | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM<br>EACH | WOOD POLE, CLASS 5, 35<br>FT<br>EACH | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE<br>EACH |   |   |
| GEORGESVILLE RD. BETWEEN STA. 977+00 AND 999+00             |               |                 |                  |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 114                                                         | IC-1          | GEORGESVILLE RD | 977+00, 49' LT   | 999+00, 109' LT  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   | 2,222                                                                |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      | 2,222                                               |                                                        |                                      |                                                                                        |   |   |
| GEORGESVILLE RD. BETWEEN STA. 999+00 AND 1016+00            |               |                 |                  |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 115                                                         | IC-1          | GEORGESVILLE RD | 999+00, 109' LT  | 1016+00, 125' LT |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   | 1,771                                                                |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      | 1,771                                               |                                                        |                                      |                                                                                        |   |   |
| 115                                                         | IC-2          | GEORGESVILLE RD | 1003+77, 140' LT |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   | 150                                                                  |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| GEORGESVILLE RD. BETWEEN STA. 1016+00 AND 1027+00, INT 1105 |               |                 |                  |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 116                                                         | IC-1          | GEORGESVILLE RD | 1016+00, 125' LT | 1016+36, 133' LT |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   | 37                                                                   |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      | 37                                                  |                                                        |                                      |                                                                                        |   |   |
| 116                                                         | IC-3          | GEORGESVILLE RD | 1016+36, 133' LT | 1018+06, 54' LT  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      | 198                                                 |                                                        |                                      |                                                                                        |   |   |
| 116                                                         | IC-2          | GEORGESVILLE RD | 1016+36, 133' LT | 1027+00, 125' LT |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   | 1,041                                                                |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      | 1,041                                               |                                                        |                                      |                                                                                        |   |   |
| 116                                                         | SE A-1        | GEORGESVILLE RD | 1016+36, 133' LT |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   | 150                                                                  | 24                                                                | 1                                                                        |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 116                                                         | IC-4          | GEORGESVILLE RD | 1016+36, 133' LT | 1018+19, 64' LT  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        | 1                                                                                    |                                                     |                                                        |                                      |                                                                                        |   |   |
| 116                                                         | IC-5          | GEORGESVILLE RD | 1018+06, 54' LT  | 1018+19, 64' LT  | 19                                             |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 116                                                         | TC-1          | GEORGESVILLE RD | 1018+19, 64' LT  |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        | 2                                    |                                                                                        |   |   |
| GEORGESVILLE RD. BETWEEN STA. 1027+00 AND 1036+50, INT 1096 |               |                 |                  |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 117                                                         | IC-1          | GEORGESVILLE RD | 1027+00, 109' LT | 1034+77, 57' LT  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   | 6                                                                    |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      | 6                                                   |                                                        | 3                                    |                                                                                        |   |   |
| 117                                                         | IC-2          | GEORGESVILLE RD | 1027+00, 109' LT |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   | 35                                                                   |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        | 1                                    |                                                                                        |   |   |
| 117                                                         | IC-3          | GEORGESVILLE RD | 1034+77, 57' LT  | 1034+90, 53' LT  |                                                |                                          | 26                                |                                                         | 1                                              | 1                                         | 13                                     |                                                   | 13                                                                   |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 117                                                         | TC-1          | GEORGESVILLE RD | 1034+82, 81' RT  |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      | 10                                                  |                                                        |                                      | 2                                                                                      |   |   |
| 117                                                         | IC-6          | GEORGESVILLE RD | 1034+82, 81' RT  | 1034+90, 53' LT  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 117                                                         | SE U-1        | GEORGESVILLE RD | 1034+90, 53' LT  |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   | 5                                                                    | 23                                                                | 1                                                                        |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 117                                                         | EC-3          | GEORGESVILLE RD | 1034+90, 53' LT  | 1034+90, 91' RT  | 31                                             |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      | 31                                                  |                                                        |                                      |                                                                                        |   |   |
| 117                                                         | IC-4          | GEORGESVILLE RD | 1034+90, 53' LT  | 1036+15, 58' LT  | 123                                            |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   | 123                                                                  |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 117                                                         | EC-2          | GEORGESVILLE RD | 1034+90, 91' RT  |                  |                                                | 1                                        |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      | 35                                                  |                                                        |                                      |                                                                                        |   |   |
| 117                                                         | EC-1          | GEORGESVILLE RD | 1034+90, 91' RT  | 1035+14, 88' RT  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      | 20                                                  |                                                        |                                      |                                                                                        |   |   |
| 117                                                         | CTV           | GEORGESVILLE RD | 1035+14, 88' RT  |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 117                                                         | IC-5          | GEORGESVILLE RD | 1036+15, 58' LT  | 1036+50, 55' LT  | 30                                             |                                          |                                   |                                                         |                                                |                                           | 34                                     |                                                   | 3                                                                    |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| GEORGESVILLE RD. BETWEEN STA. 1036+50 AND 1046+00, INT 1100 |               |                 |                  |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 118                                                         | IC-1          | GEORGESVILLE RD | 1036+50, 55' LT  | 1043+24, 59' LT  |                                                |                                          | 1,302                             |                                                         | 2                                              |                                           | 651                                    |                                                   | 651                                                                  |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 118                                                         | IC-2          | GEORGESVILLE RD | 1036+50, 55' LT  | 1043+24, 59' LT  |                                                |                                          |                                   | 190                                                     | 1                                              |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| 118                                                         | TC-1          | GEORGESVILLE RD | 1043+24, 59' LT  |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      | 1                                                                                      |   |   |
| 118                                                         | SE U-1        | GEORGESVILLE RD | 1043+24, 59' LT  |                  |                                                |                                          |                                   |                                                         |                                                |                                           |                                        |                                                   |                                                                      |                                                                   |                                                                          | 15                                                                                     |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |   |   |
| SHEET TOTAL                                                 |               |                 |                  |                  | 173                                            | 1                                        | 1,396                             | 190                                                     | 4                                              | 1                                         | 698                                    | 1                                                 | 7,494                                                                | 408                                                               | 2                                                                        | 2                                                                                      | 1                                                                                      | 6,141                                                                                | 106                                                 | 1                                                      | 4                                    | 5                                                                                      | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

119  
1000

Georgesville Rd BTW STA. 977+00 & 1046+00  
INTS 1105, 1096, 1100

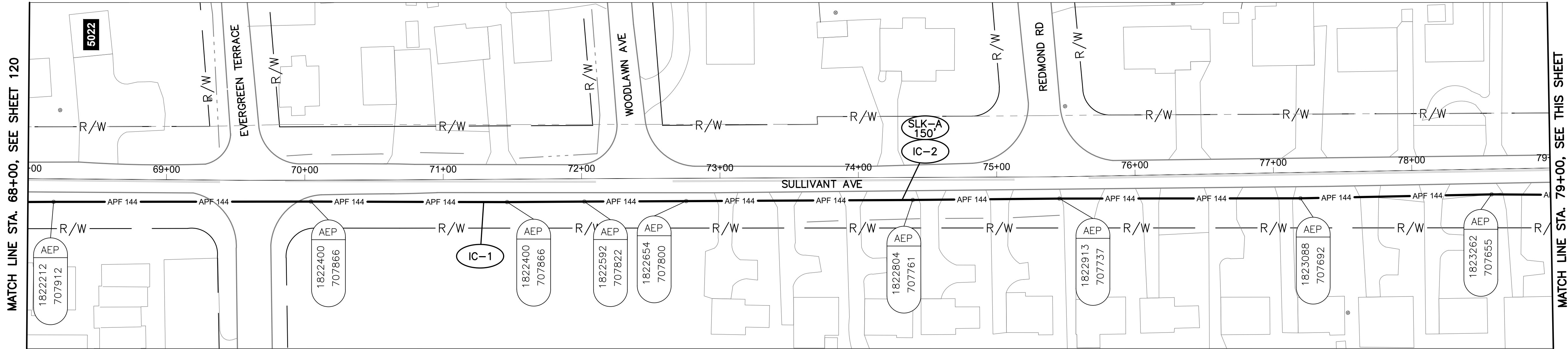
CIP: 540007-100006  
PID NUMBER: 82573



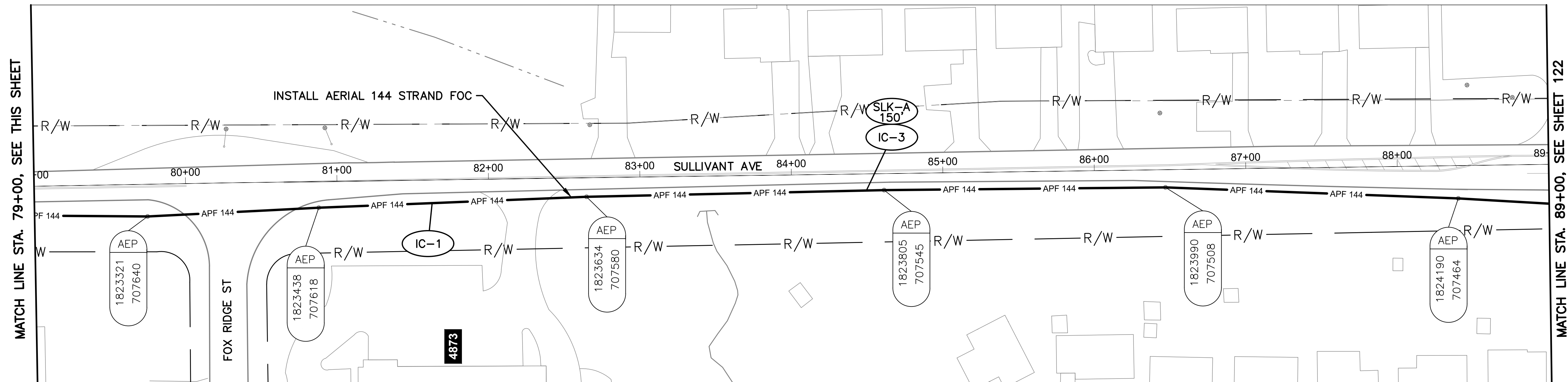




J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk0\_SULLIVANT\_INTERCONNECT.dwg -- SULLIVANT-2 layout -- last saved by: jbeans 03/18/2020 03:21pm ~ printed 03/18/2020 04:45pm



SULLIVANT AVE BETWEEN STATION 68+00 AND 79+00



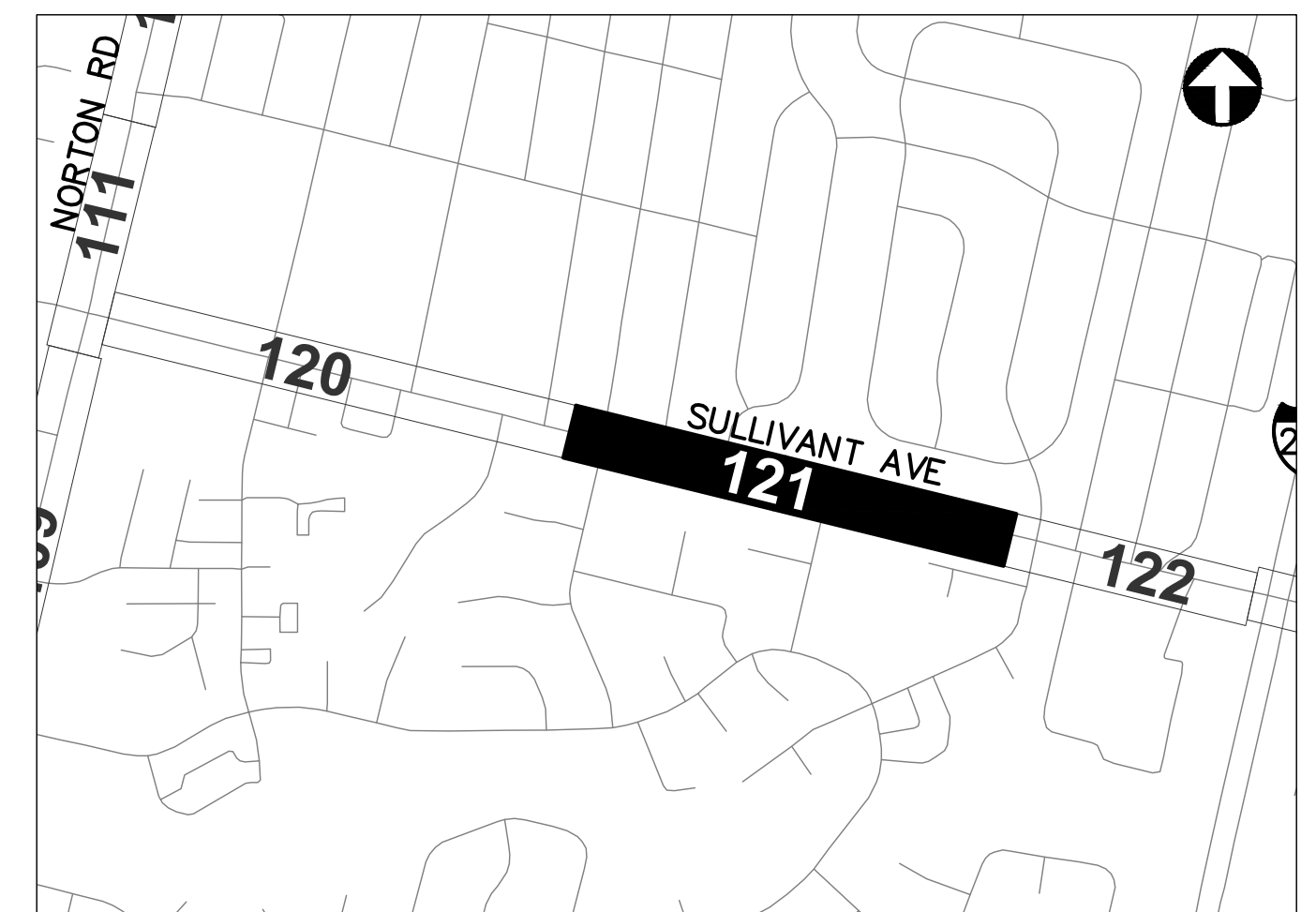
SULLIVANT AVE BETWEEN STATION 79+00 AND 89+00

NOTES:

1. SEE SHEET 125 FOR QUANTITIES.
2. SEE SHEET 683 FOR COMMUNICATION DETAILS.



| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
SULLIVANT AVE BETWEEN STA. 68+00 AND 89+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

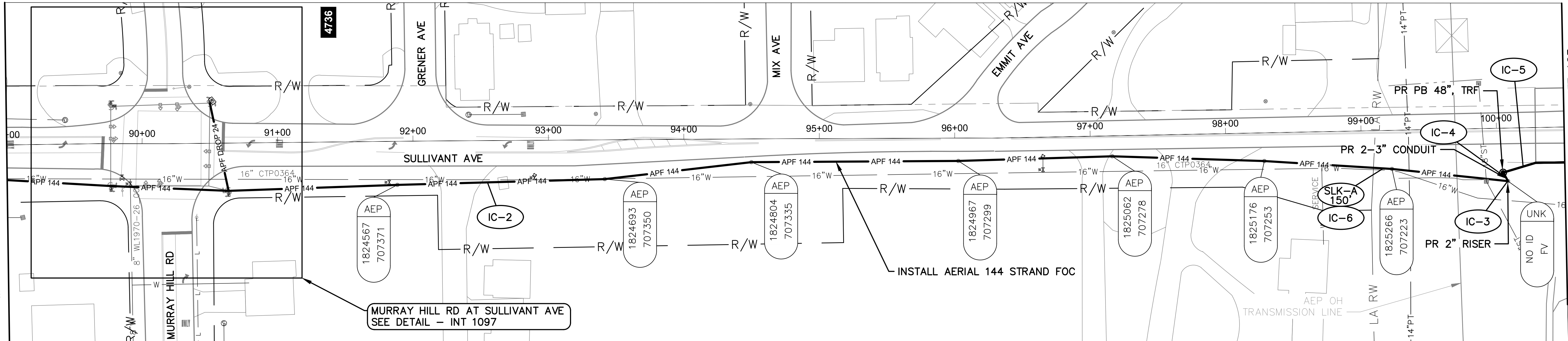
121  
1000

3150-E



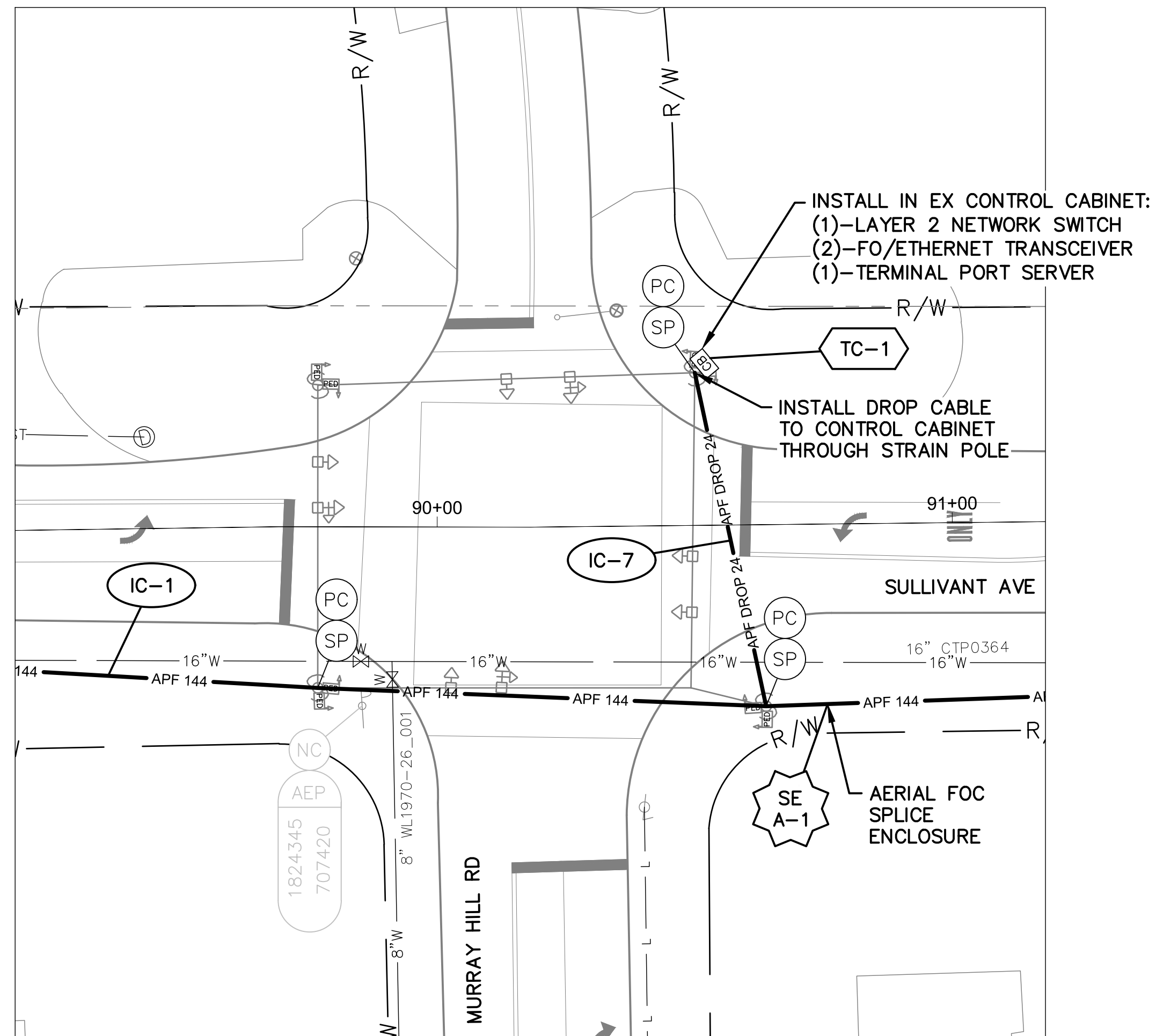
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MATCH LINE STA. 89+00, SEE SHEET 121

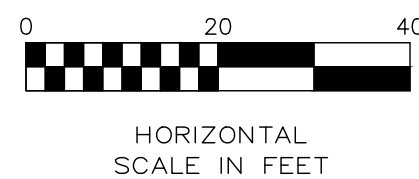


MATCH LINE STA. 100+50, SEE SHEET 123

SULLIVANT AVE BETWEEN STATION 89+00 AND 100+50



DETAIL - INT 1097

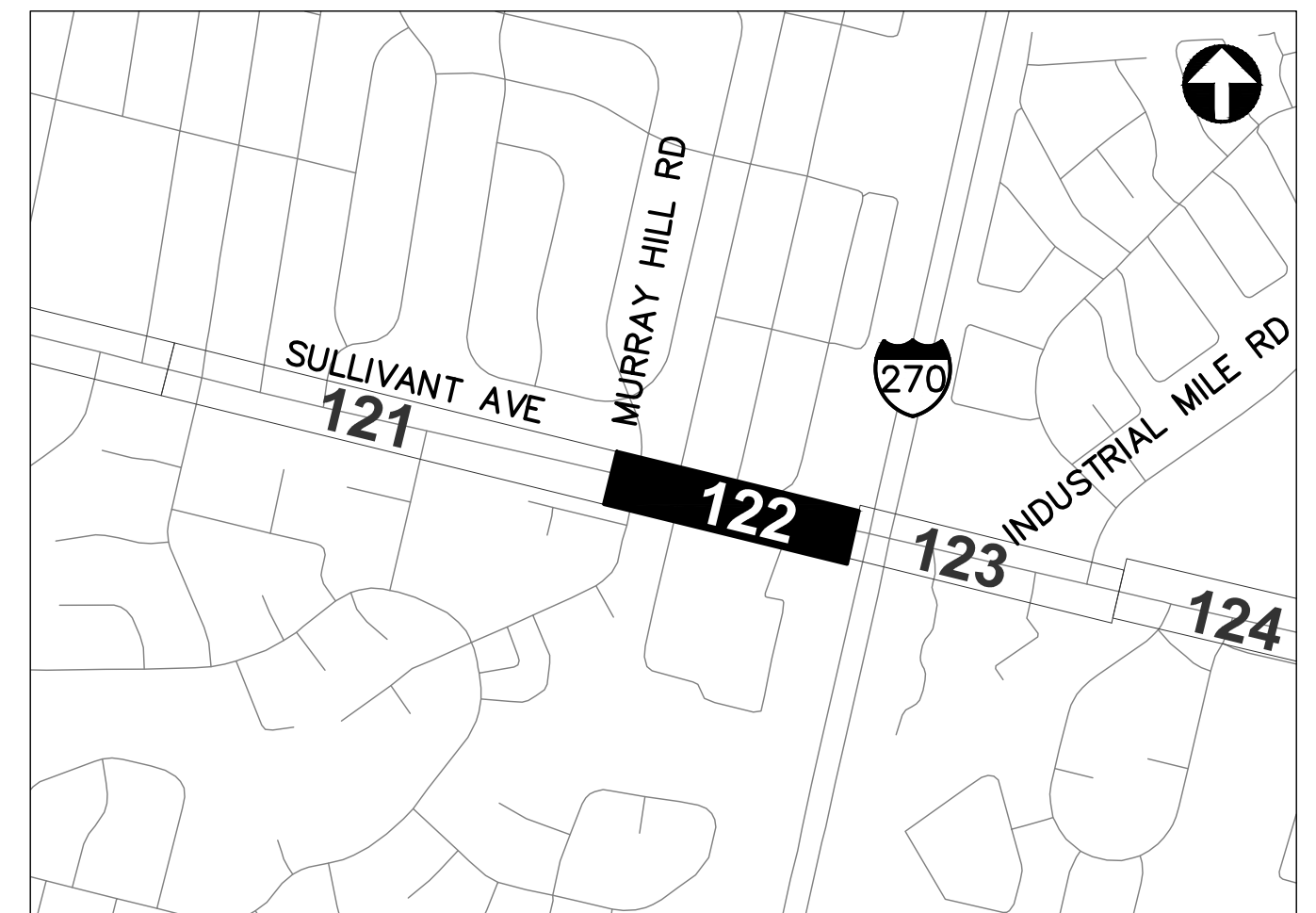


NOTES:

1. SEE SHEET 125 FOR QUANTITIES.
2. SEE SHEETS 683 & 947 FOR COMMUNICATION DETAILS.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input checked="" type="checkbox"/> | SEWER    |
| <input checked="" type="checkbox"/> | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input type="checkbox"/>            | LIGHTING |



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

INTERCONNECT PLAN  
SULLIVANT AVE BETWEEN STA. 89+00 AND 100+50, INT 1097

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

CIP: 540007-100006  
PID NUMBER: 82573



122  
1000

3150-E





○ ○



○ ○



○ ○

○ ○

- ○

○ ○



○ ○

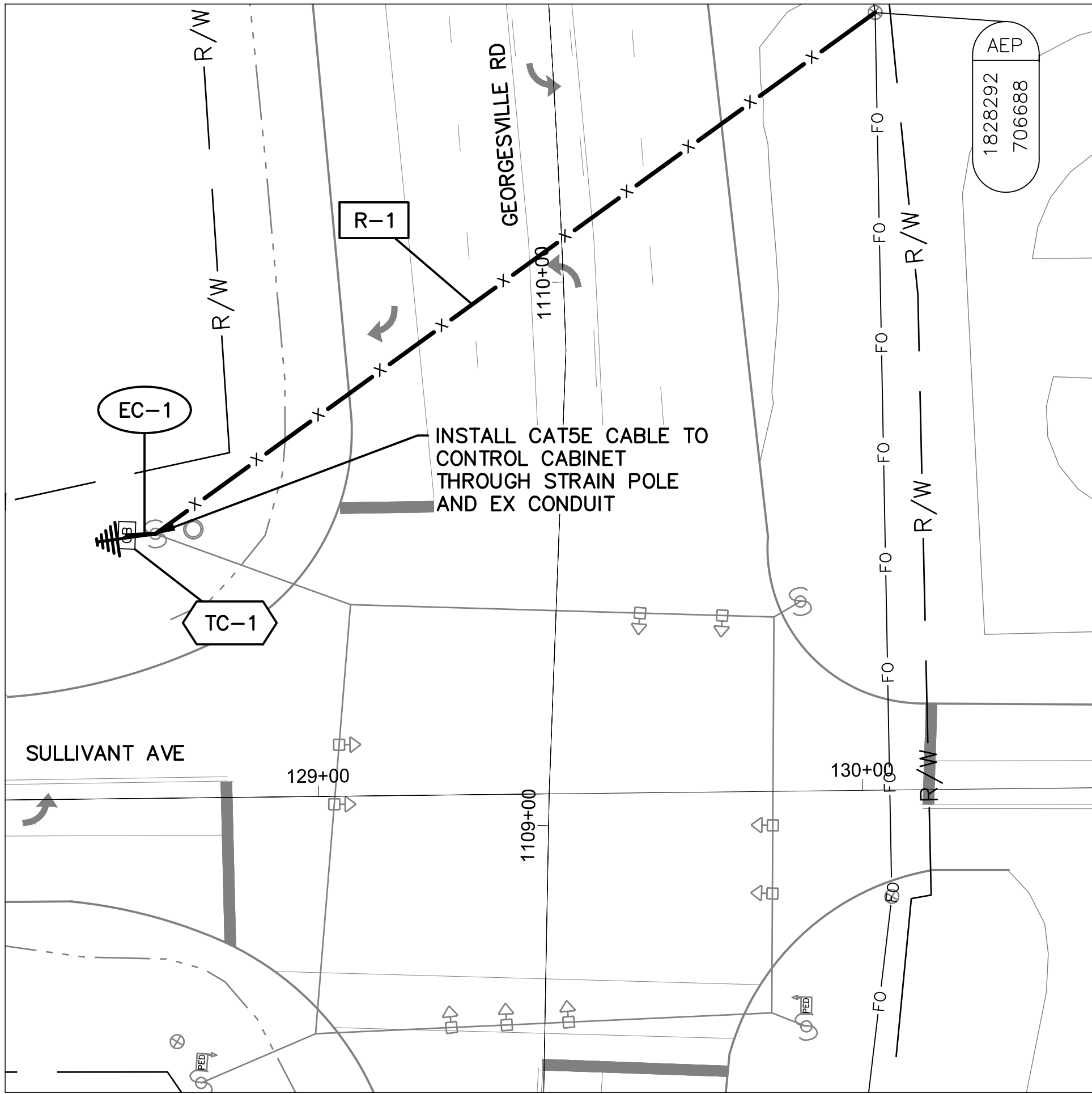
○ ○

○ ○

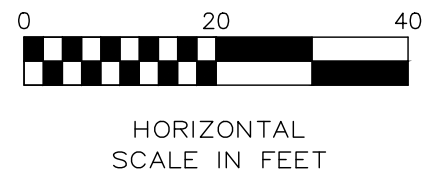




J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_TrunkO\_SULLIVANT\_INTERCONNECT.dwg -- SULLIVANT-5 layout -- last saved by: jbeans 03/18/2020 03:21pm ~ printed 03/18/2020 04:47pm



DETAIL - INT 1036



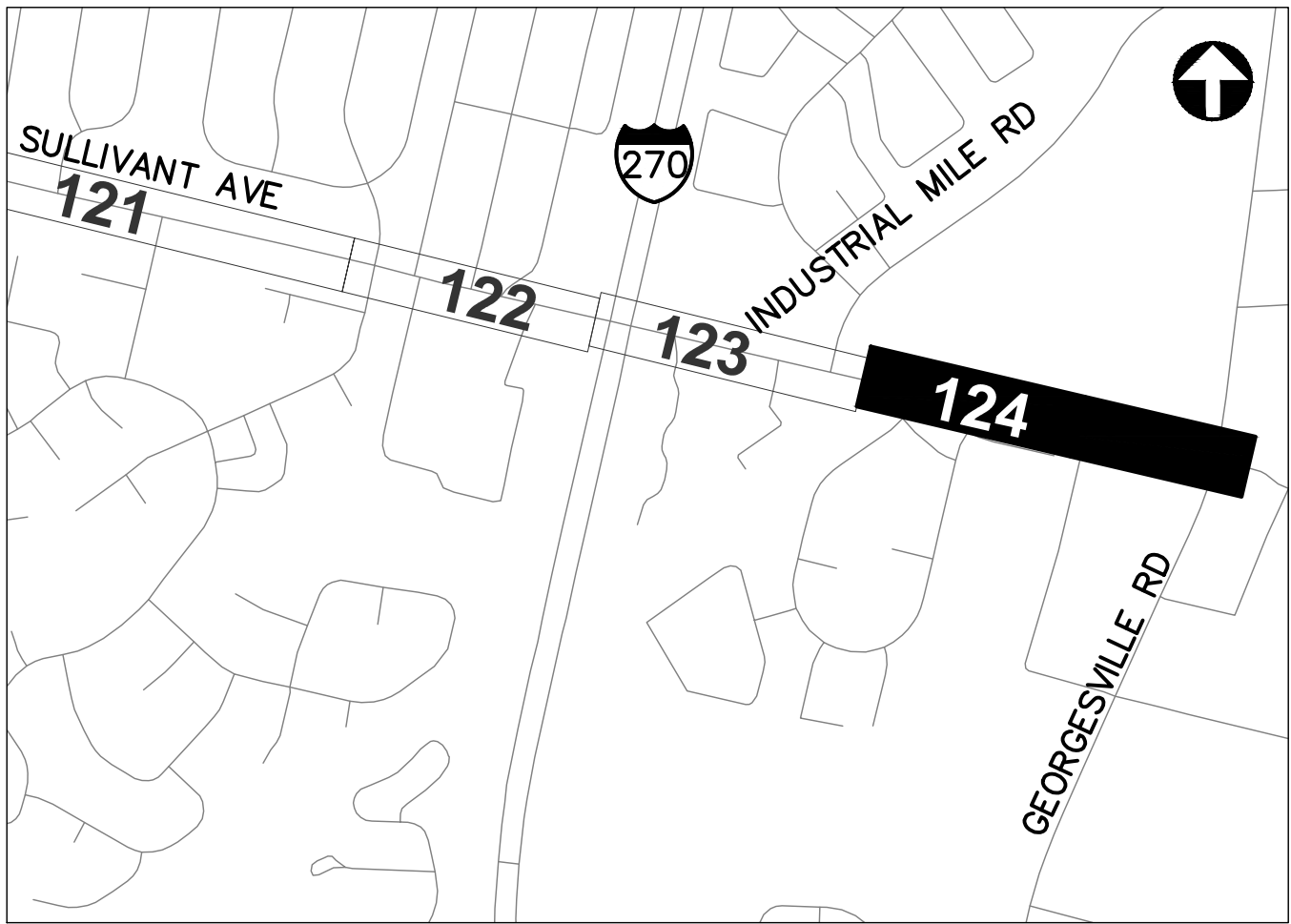
PROPOSED WIRELESS  
SEE SHEET 123  
INT 1033 - INDUSTRIAL  
MILE RD AT SULLIVANT  
AVE

NOTES:

1. SEE SHEET 125 FOR QUANTITIES.
2. SEE SHEETS 683 & 949 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

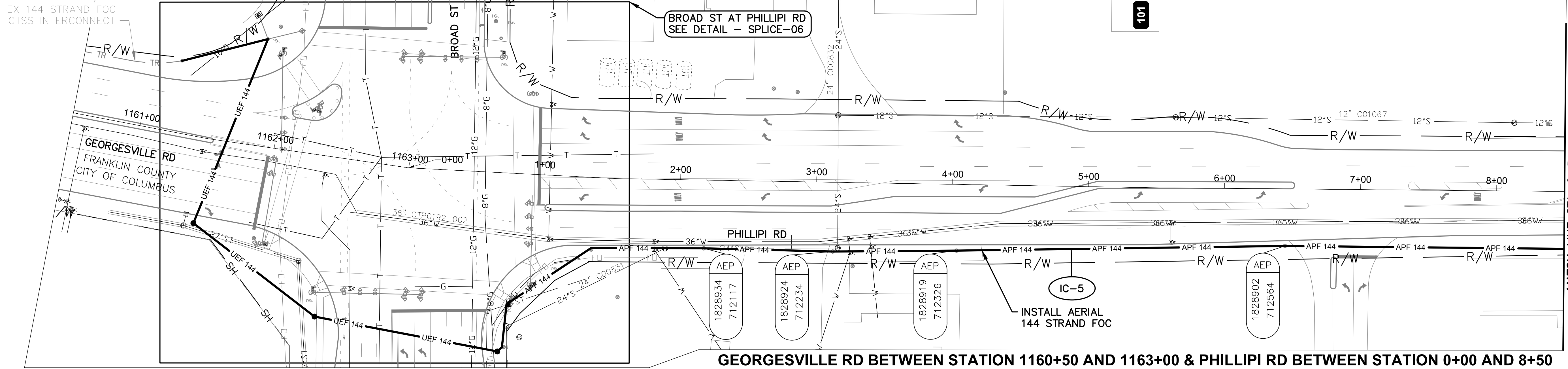
KEY PLAN  
NOT TO SCALE



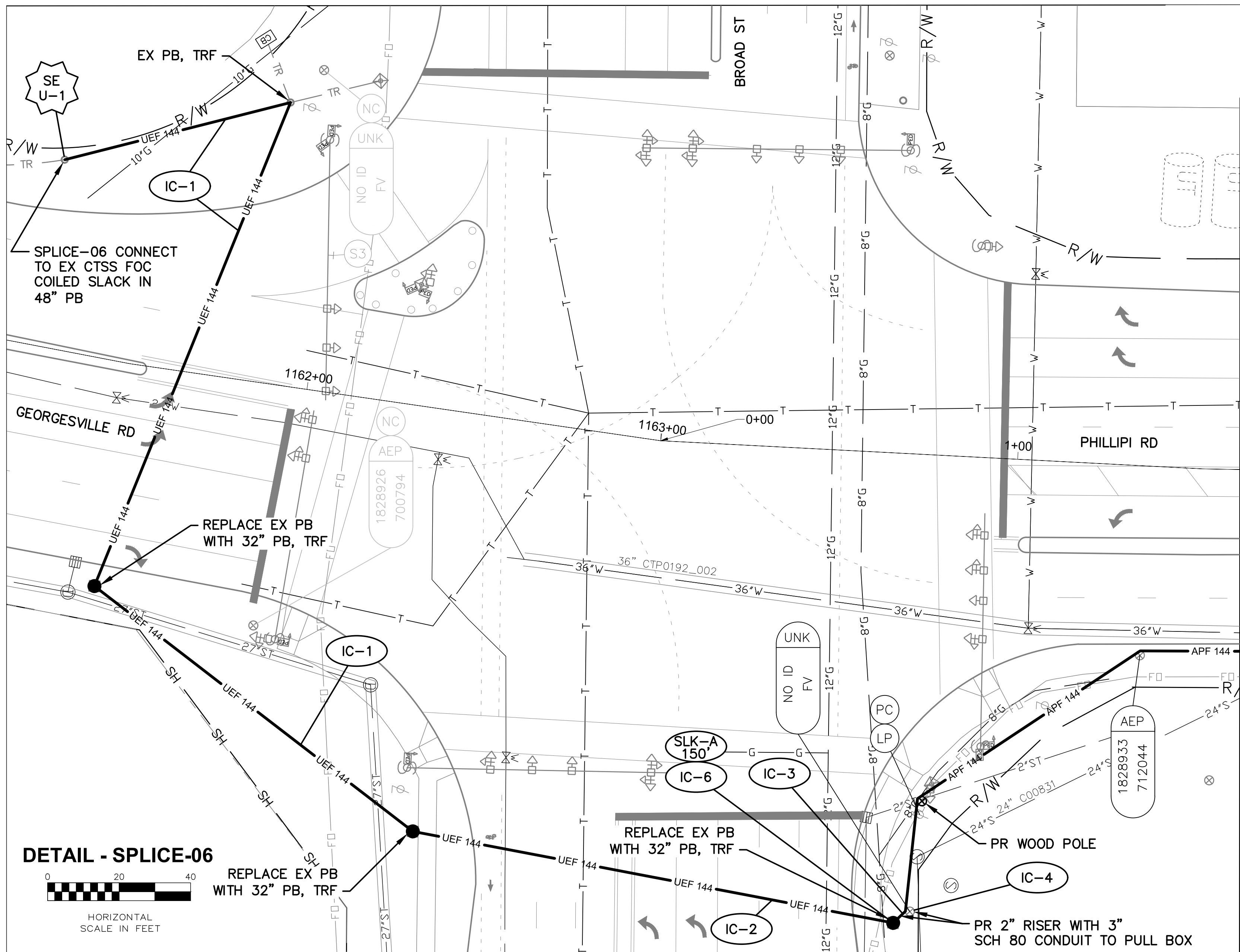




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GEORGESVILLE RD BETWEEN STATION 1160+50 AND 1163+00 & PHILLIPI RD BETWEEN STATION 0+00 AND 8+50



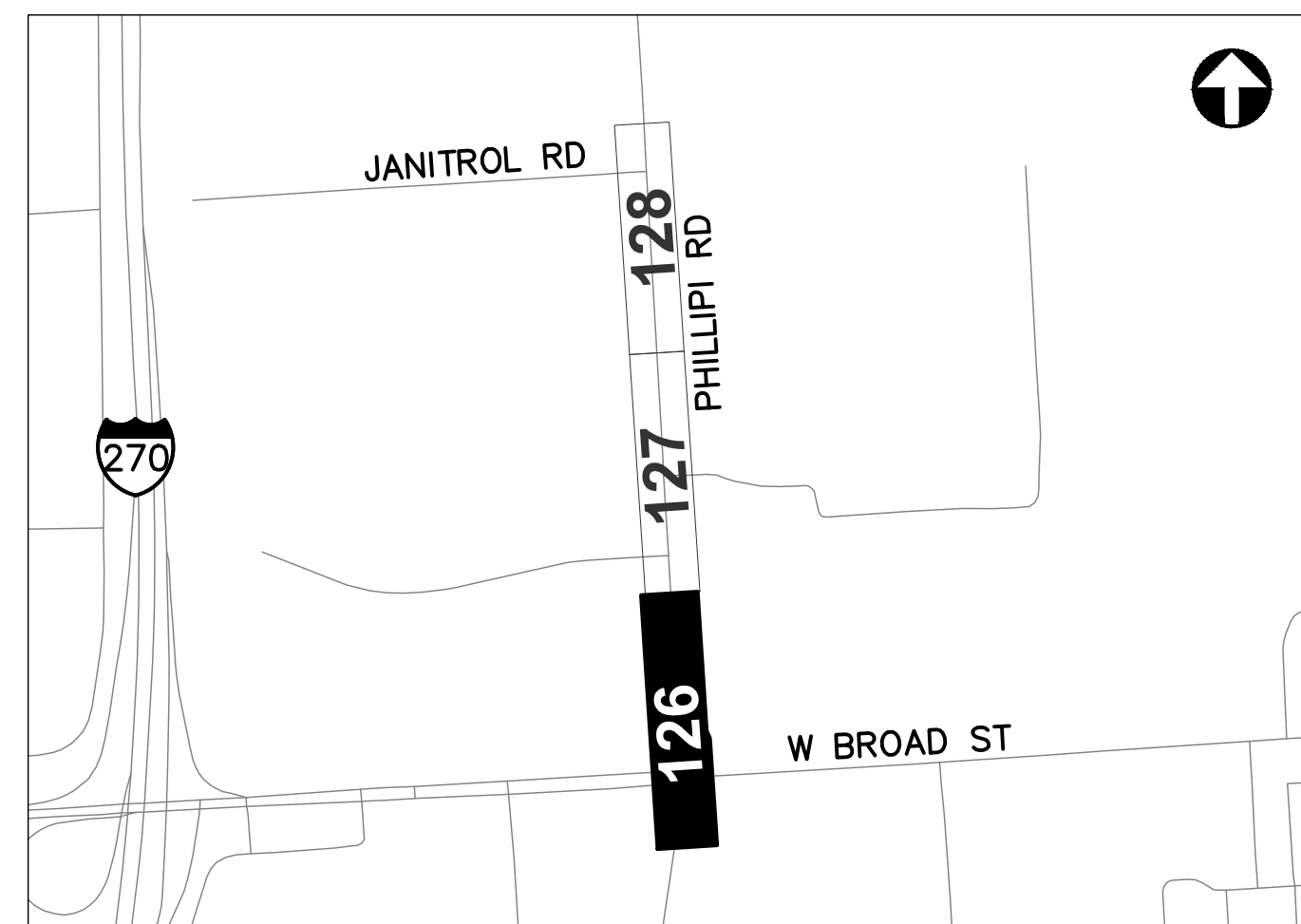
DETAIL - SPICE-06

NOTES:

1. SEE SHEET 131 FOR QUANTITIES.
2. SEE SHEETS 684 & 953 FOR COMMUNICATION DETAILS.

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- SEWER
  - WATER
  - POWER
  - LIGHTING

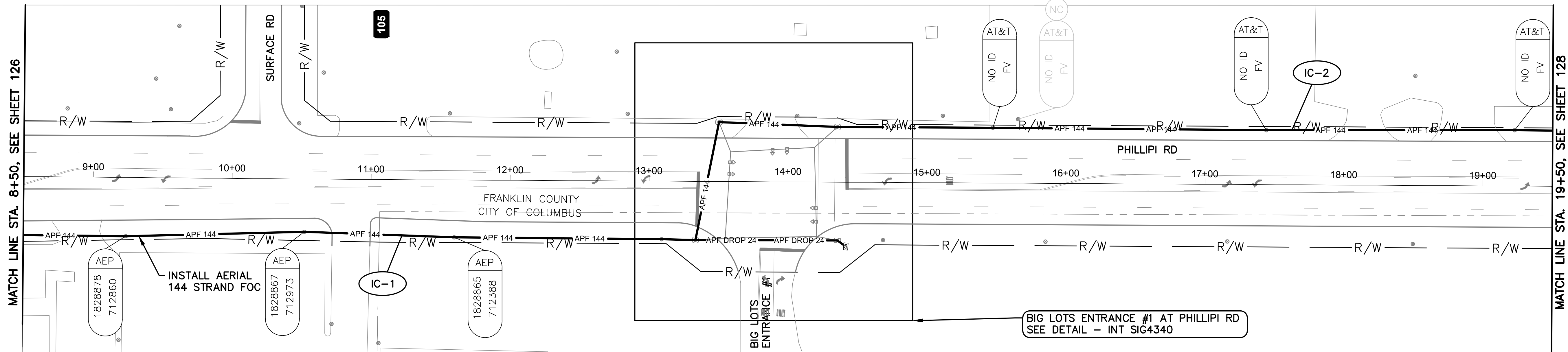


REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

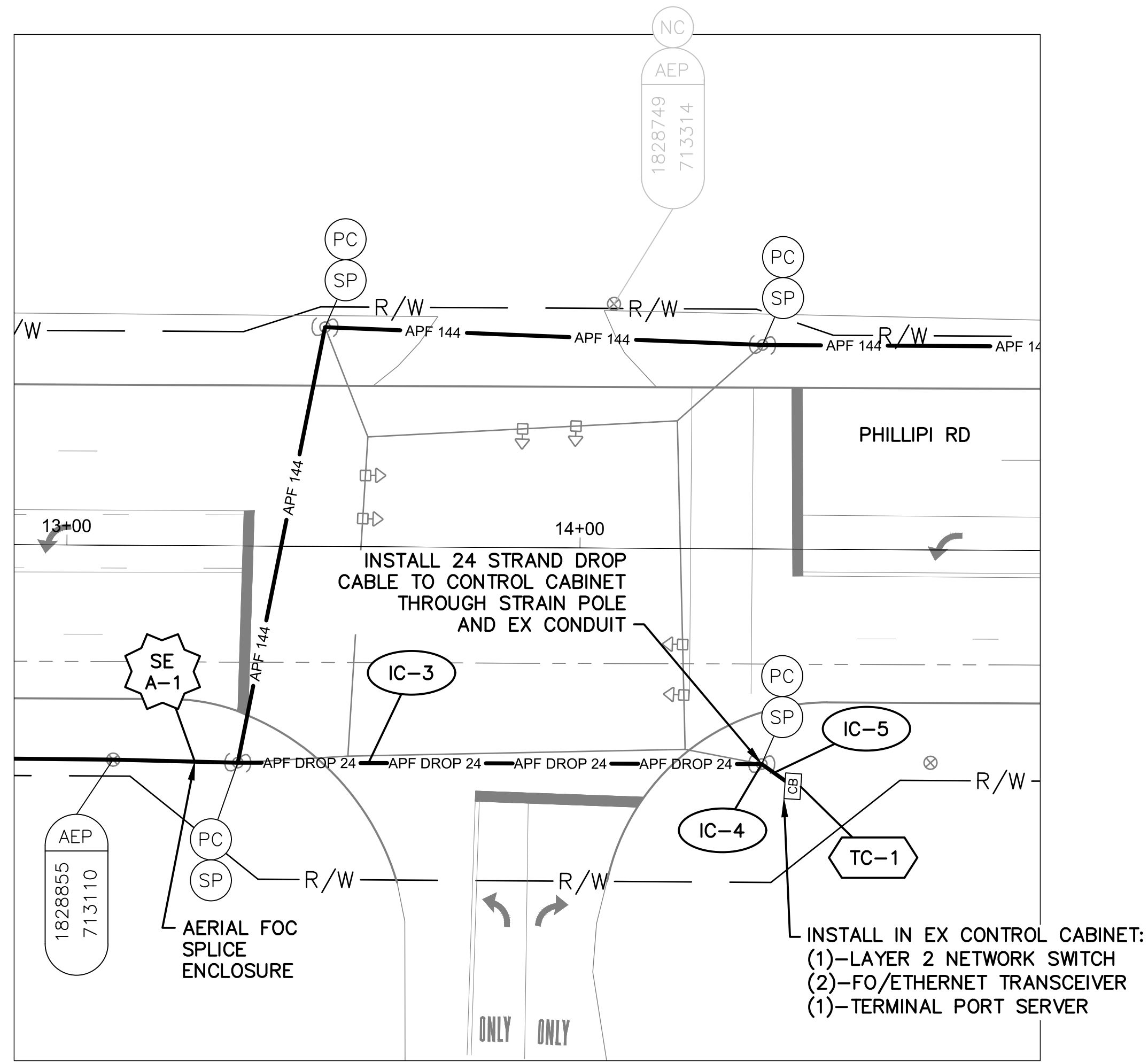
KEY PLAN  
NOT TO SCALE



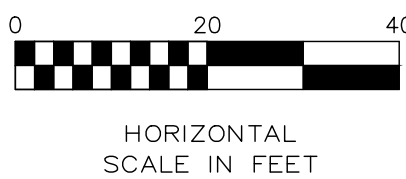
J:\Jobs\60135\TECHPROD\Streets\CTSS\_PWD\_TrunkO\_Phillipi\INTERCONNECT.dwg -- PHILLIPI-2 layout -- last saved by jbeems 12/12/2019 02:48pm -- printed 03/18/2020 04:52pm



PHILLIPI RD BETWEEN STATION 8+50 AND 19+50



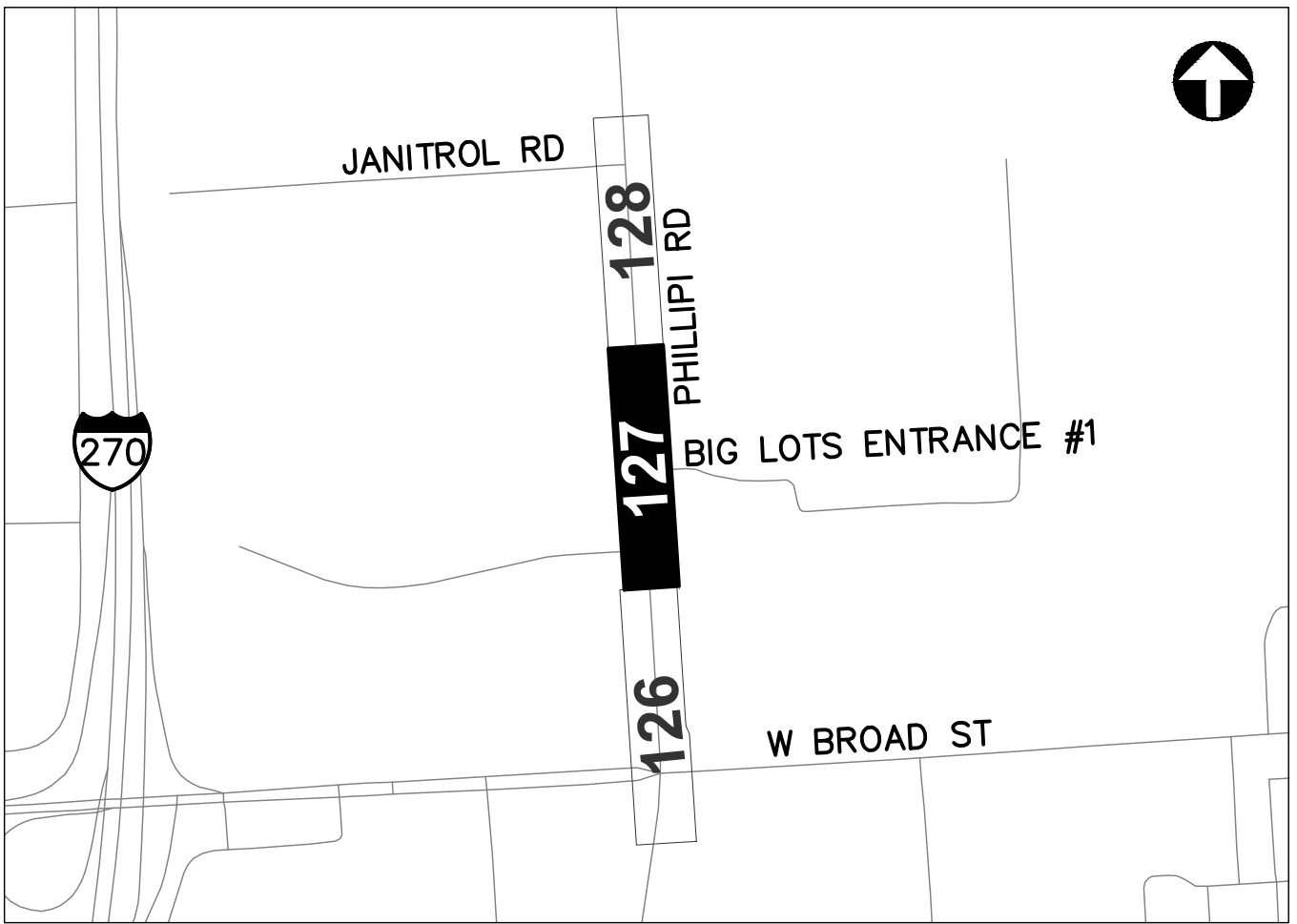
DETAIL - INT SIG4340



- NOTES:
- SEE SHEET 131 FOR QUANTITIES.
  - SEE SHEETS 684 & 954 FOR COMMUNICATION DETAILS.

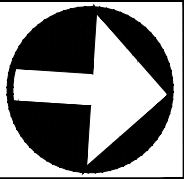


- CITY OF COLUMBUS  
UTILITY LEGEND
- SEWER
  - WATER
  - POWER
  - LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
PHILLIPI RD BETWEEN STA. 8+50 AND 19+50, INT SIG4340

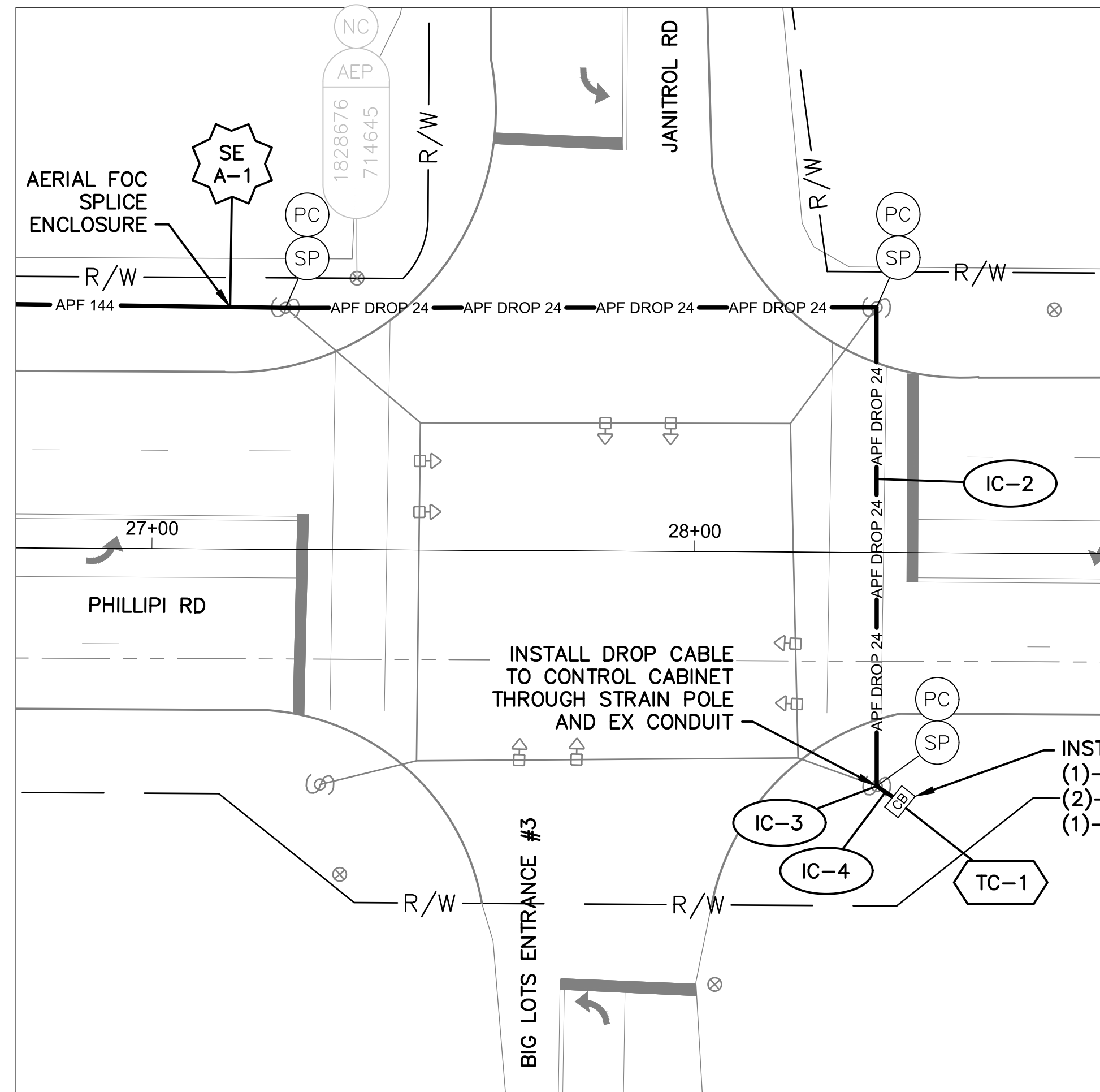
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

127  
1000

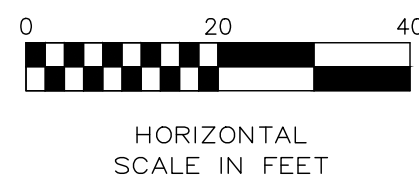
3150-E



J:\Jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_Trunk0\_PHILLIPI\INTERCONNECT.dwg -- PHILLIPI-3 layout -- last saved by jbeems 12/12/2019 02:48pm -- printed 03/18/2020 04:53pm



DETAIL - INT SIG4335



HORIZONTAL  
SCALE IN FEET



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UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING

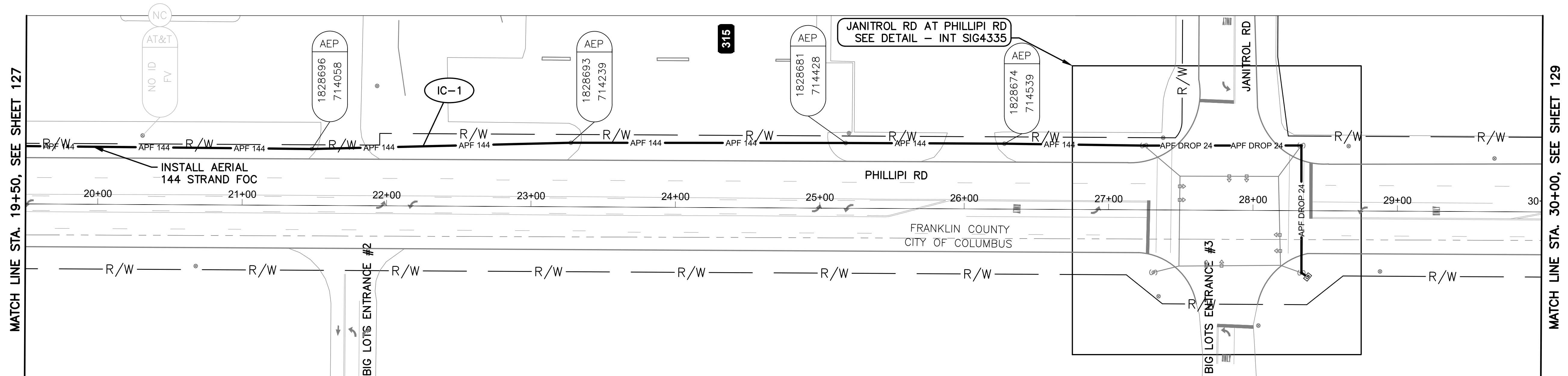
**NOTES:**

1. SEE SHEET 131 FOR QUANTITIES.
2. SEE SHEETS 684 & 955 FOR COMMUNICATION DETAILS.



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

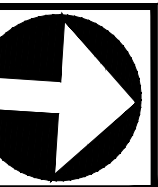
**KEY PLAN**  
NOT TO SCALE



PHILLIPI RD BETWEEN STATION 19+50 AND 30+00

MATCH LINE STA. 30+00, SEE SHEET 129

MATCH LINE STA. 19+50, SEE SHEET 127



HORIZONTAL  
SCALE IN FEET

CIP: 540007-10006  
PID NUMBER: 82573

INTERCONNECT PLAN  
PHILLIPI RD BETWEEN STA. 19+50 AND 30+00, INT SIG4335

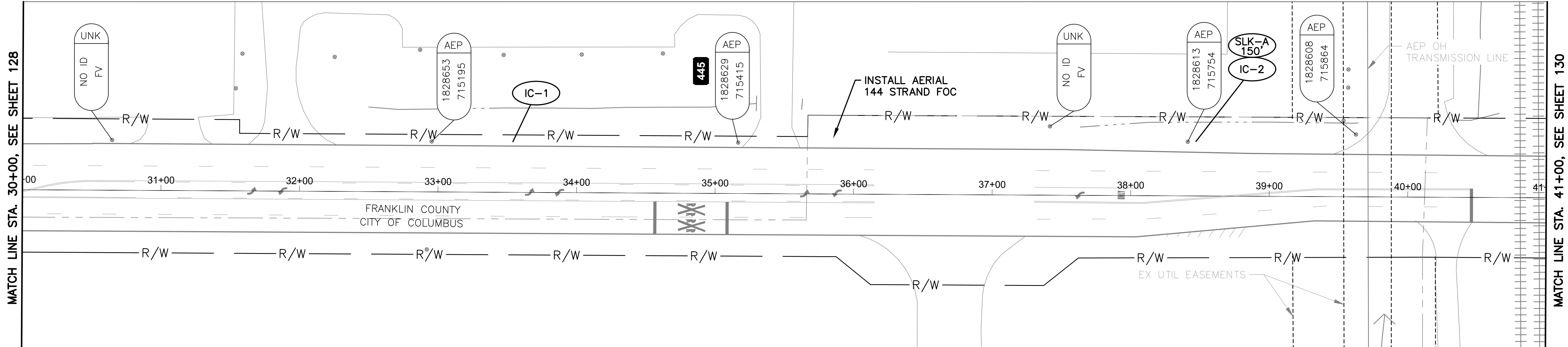
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT

128  
1000

3150-E



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_TrunkO\_Phillipi\INTERCONNECT.dwg -- PHILLIPI-4 layout -- last saved by: jbeems 12/12/2019 02:48pm ~ printed 03/18/2020 04:54pm



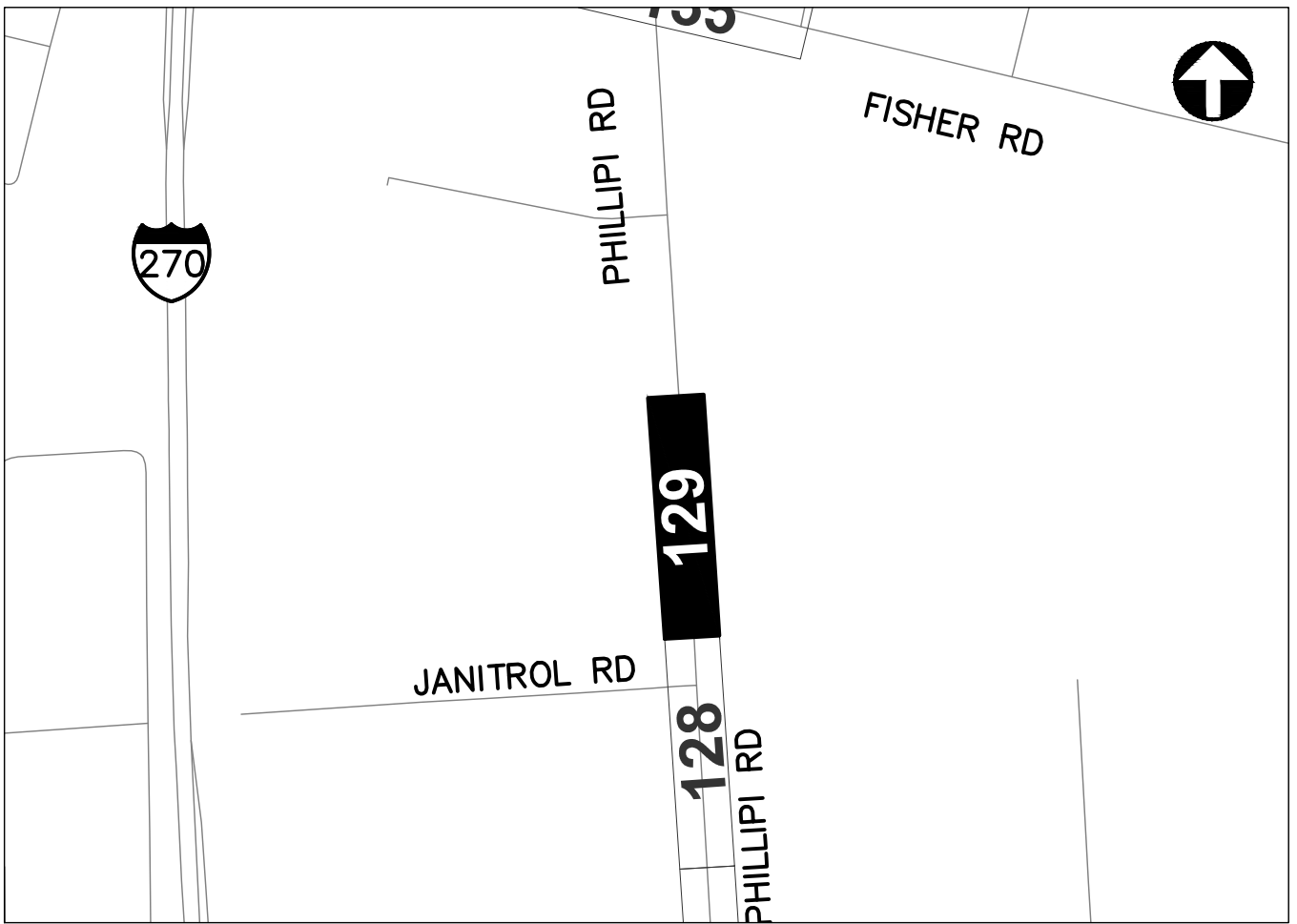
PHILLIPI RD BETWEEN STATION 30+00 AND 41+00

NOTES:

1. SEE SHEET 131 FOR QUANTITIES.
2. SEE SHEET 684 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 40+90, 38' LT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.

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UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

0 40 80  
HORIZONTAL  
SCALE IN FEET

CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
PHILLIPI RD BETWEEN STA. 30+00 AND 41+00

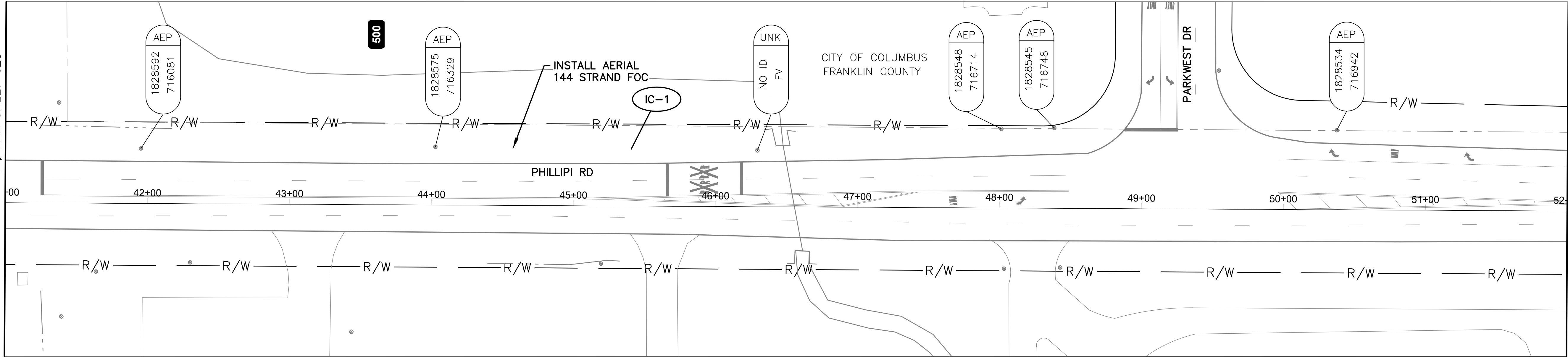
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

129  
1000



J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_TrunkO\_PHILLIPI\_INTERCONNECT.dwg -- PHILLIPI-5 layout -- last saved by: jbeems 12/12/2019 02:48pm ~ printed 03/18/2020 04:56pm

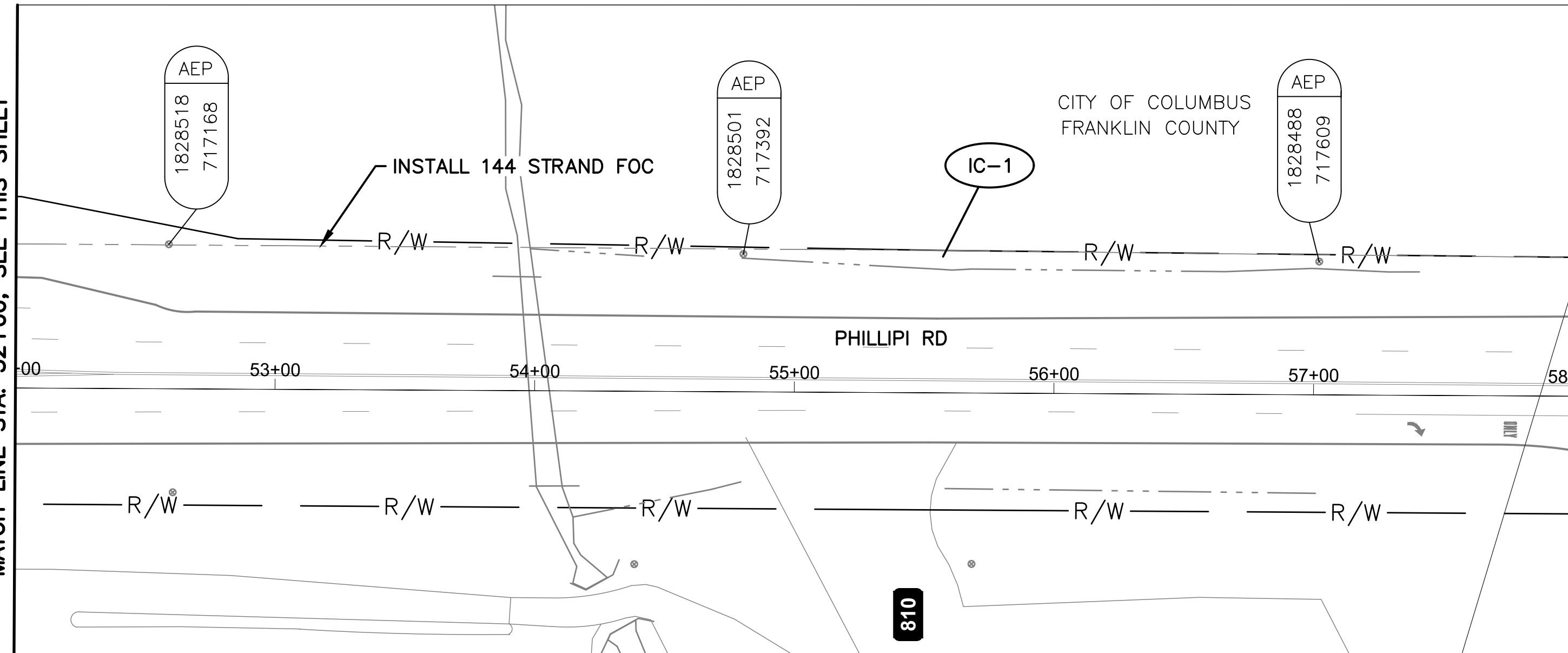
MATCH LINE STA. 41+00, SEE SHEET 129



MATCH LINE STA. 52+00, SEE THIS SHEET

PHILLIPI RD BETWEEN STATION 41+00 AND 52+00

MATCH LINE STA. 52+00, SEE THIS SHEET



MATCH LINE STA. 58+00, SEE FISHER RD SHEET 135

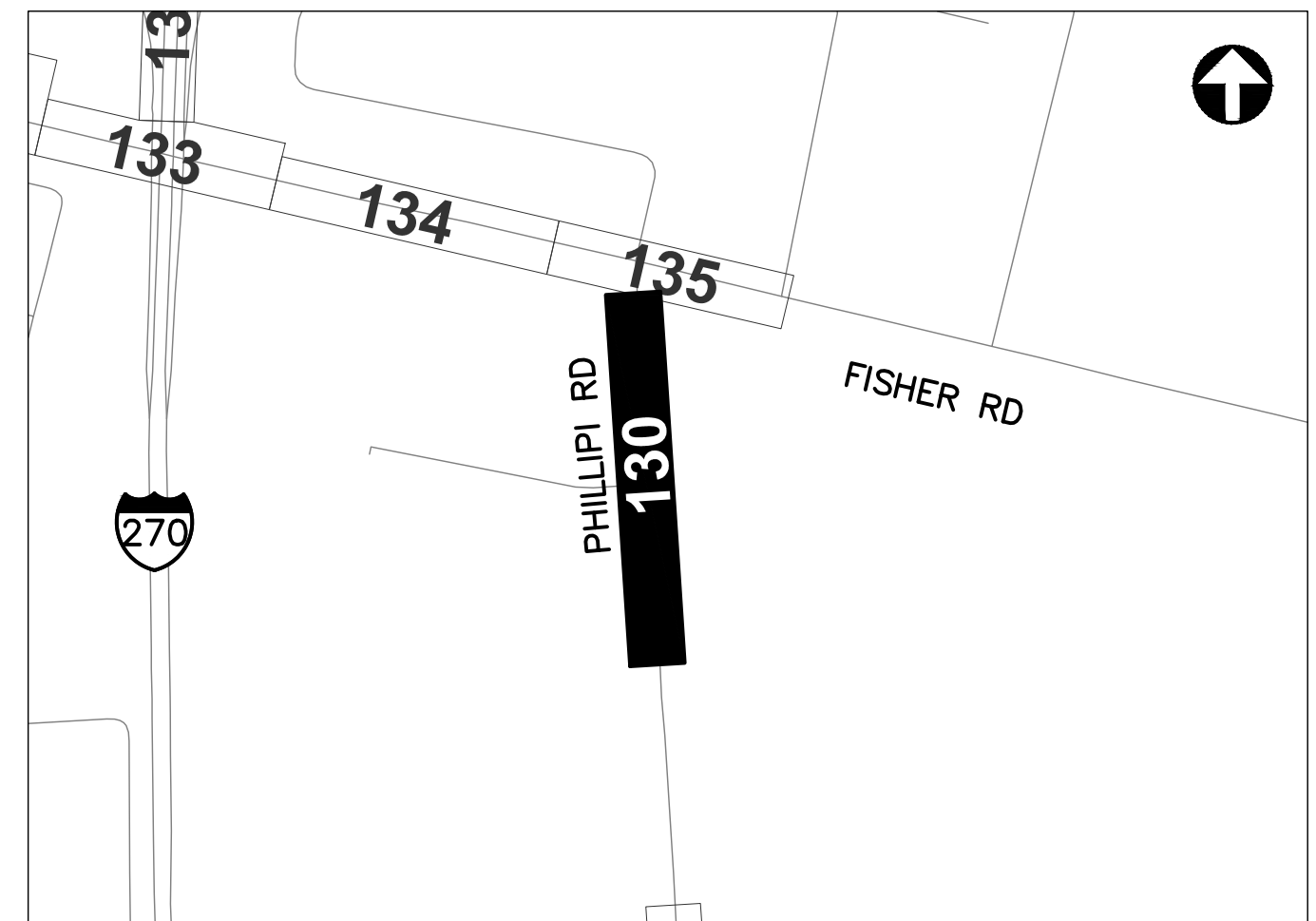
PHILLIPI RD BETWEEN STATION 52+00 AND 58+00

**NOTES:**

1. SEE SHEET 131 FOR QUANTITIES.
2. SEE SHEET 684 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
PHILLIPI RD BETWEEN STA. 41+00 AND 58+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

130  
1000

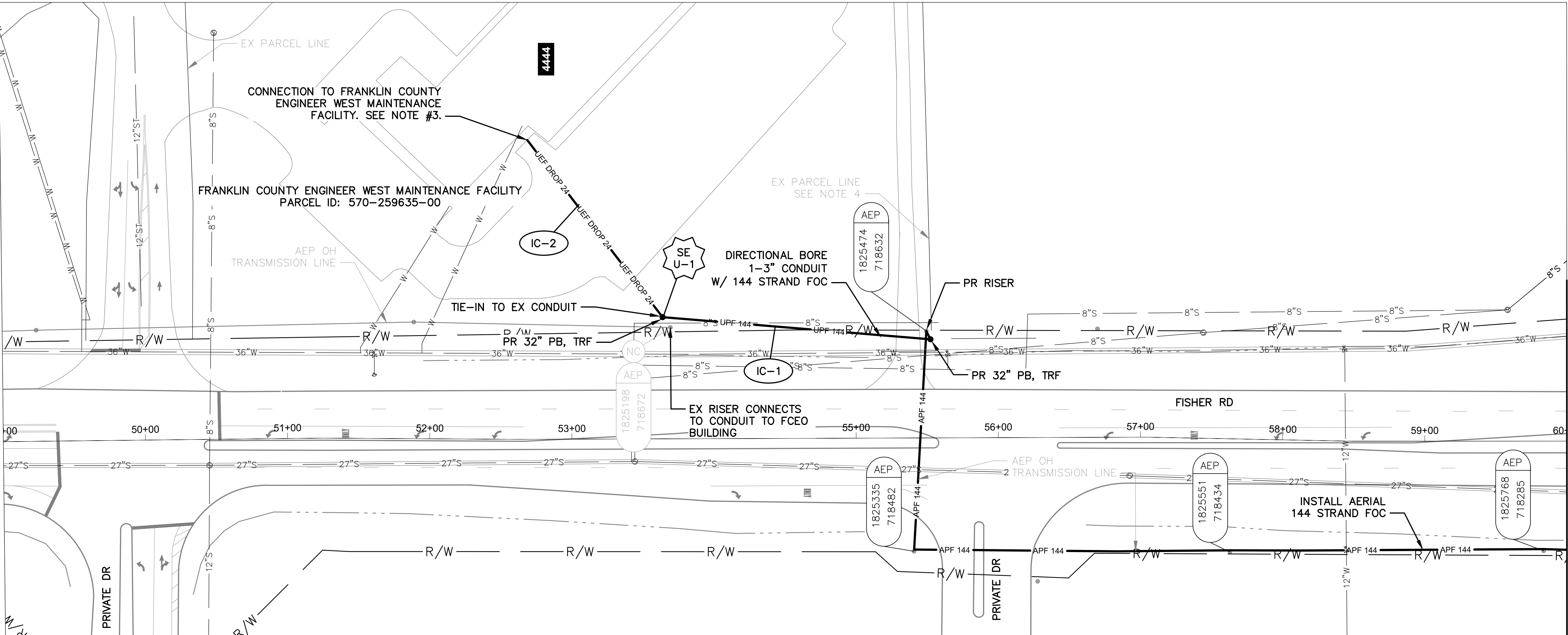
3150-E



[illegible]

**AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.**





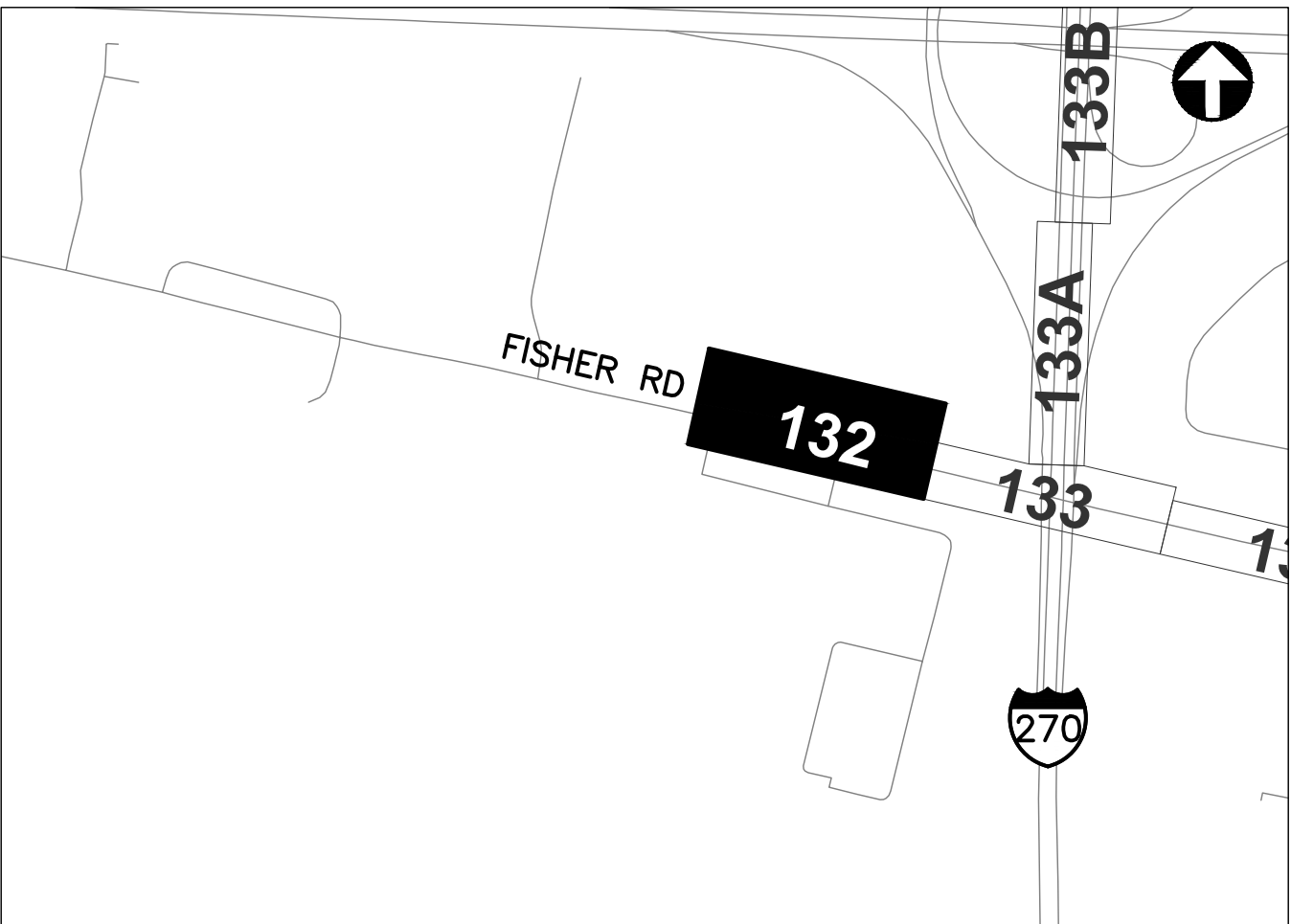
**FISHER RD BETWEEN STATION 49+00 AND 60+00**

NOTES:

1. SEE SHEET 136 FOR QUANTITIES.
2. SEE SHEETS 684 & 956 FOR COMMUNICATION DETAILS.
3. SEE SHEET 57 FOR COMMUNICATION FIBER ROUTING AND TERMINATION DETAILS INSIDE FRANKLIN COUNTY ENGINEER BUILDING.
4. RESOLUTION NUMBER 0509-14 (SIGNED ON JULY 23, 2014), GRANTING CONSENT FOR THE COOPERATION OF FRANKLIN COUNTY AND THE CITY OF COLUMBUS TO COMPLETE WORK RELATED TO THE CTSS PHASE PROJECTS.

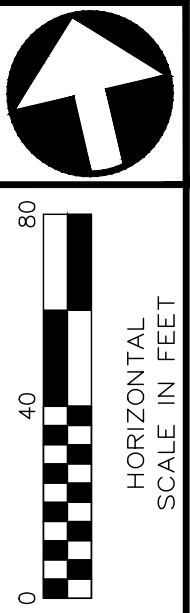


| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |



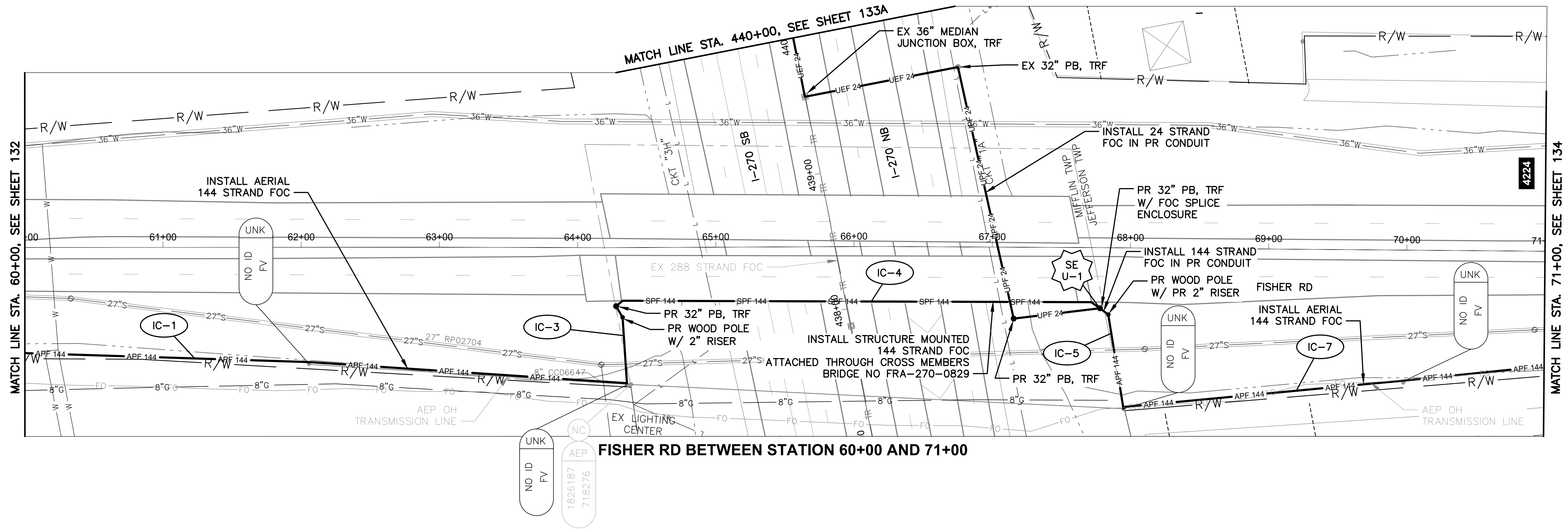
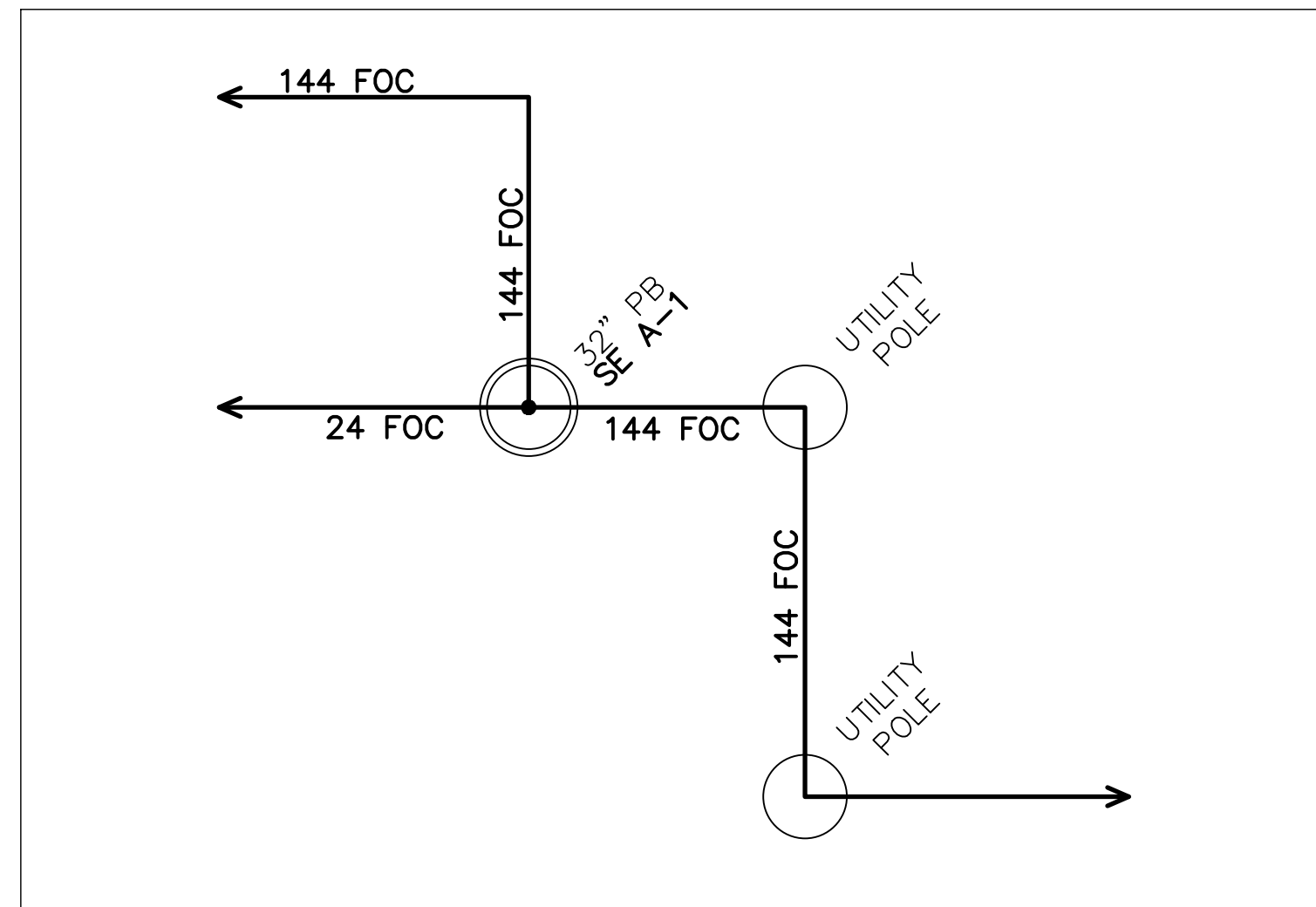
REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE





J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk0\_FISHER\_INTERCONNECT.dwg -- FISHER-3 layout -- last saved by: beams 10/10/2018 03:07pm -- printed: 03/18/2020 04:58pm



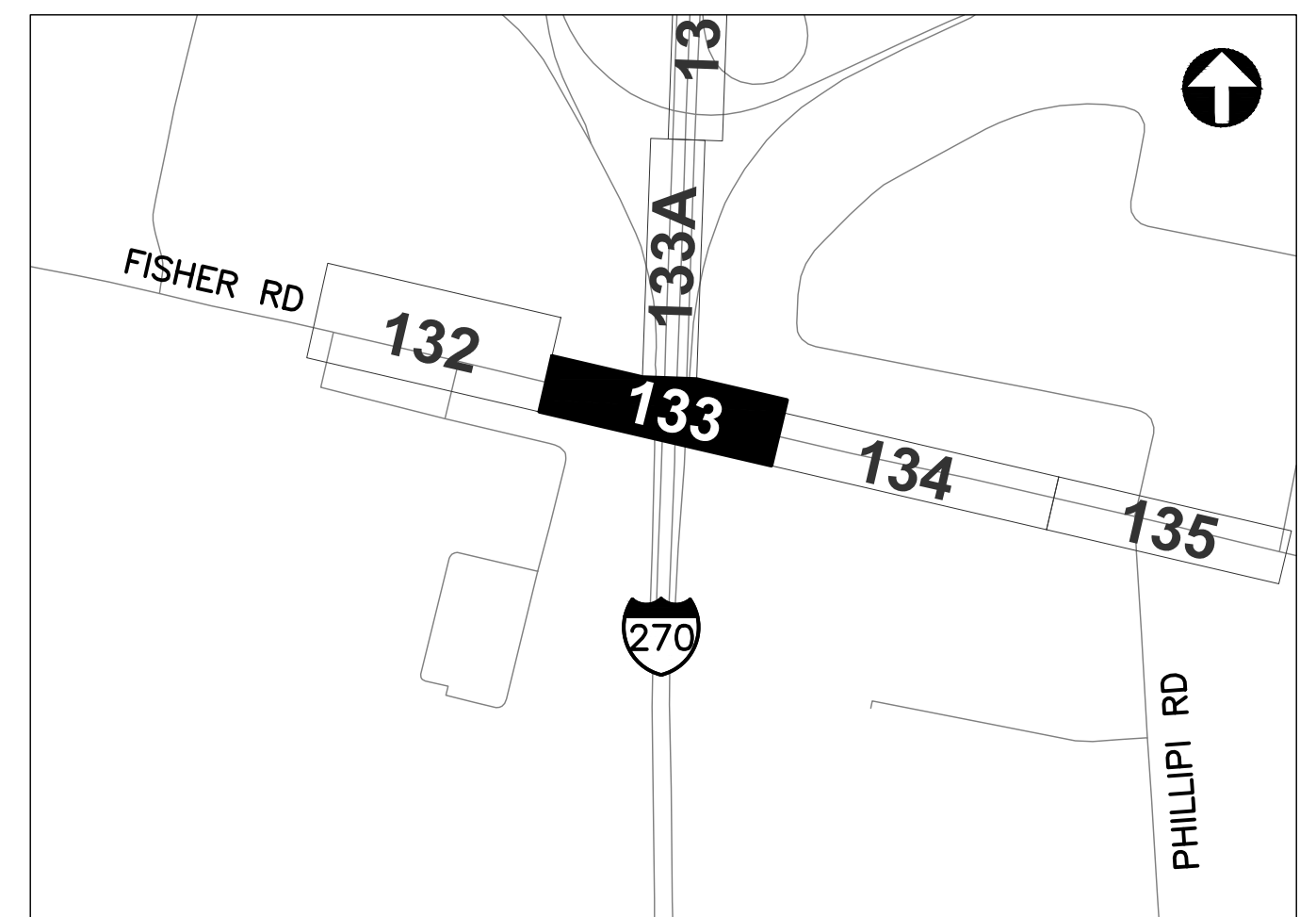
**NOTES:**

1. SEE SHEET 136 FOR QUANTITIES.
2. SEE SHEET 684 FOR COMMUNICATION DETAILS.

# EXISTING UTILITY CROSSING.  
SEE UTILITY CROSSING INFO  
SHEET 14.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input checked="" type="checkbox"/> | SEWER    |
| <input checked="" type="checkbox"/> | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input type="checkbox"/>            | LIGHTING |



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
FISHER RD BETWEEN STA. 60+00 AND 71+00

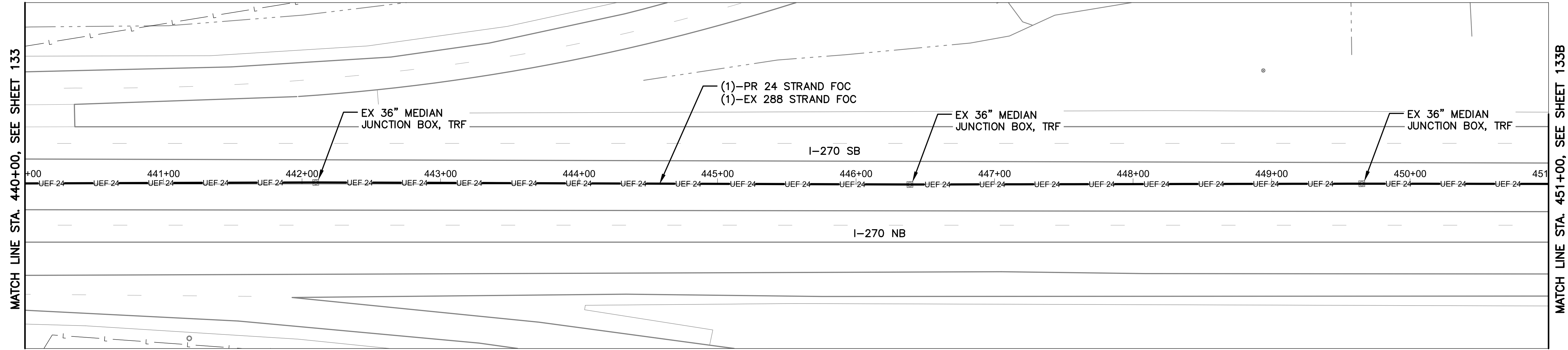
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

**133**  
**1000**

**3150-E**



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk0\_FISHER\_INTERCONNECT.dwg -- FISHER-3A layout -- last saved by: jbeans 10/10/2018 03:07pm ~ printed 03/18/2020 04:59pm



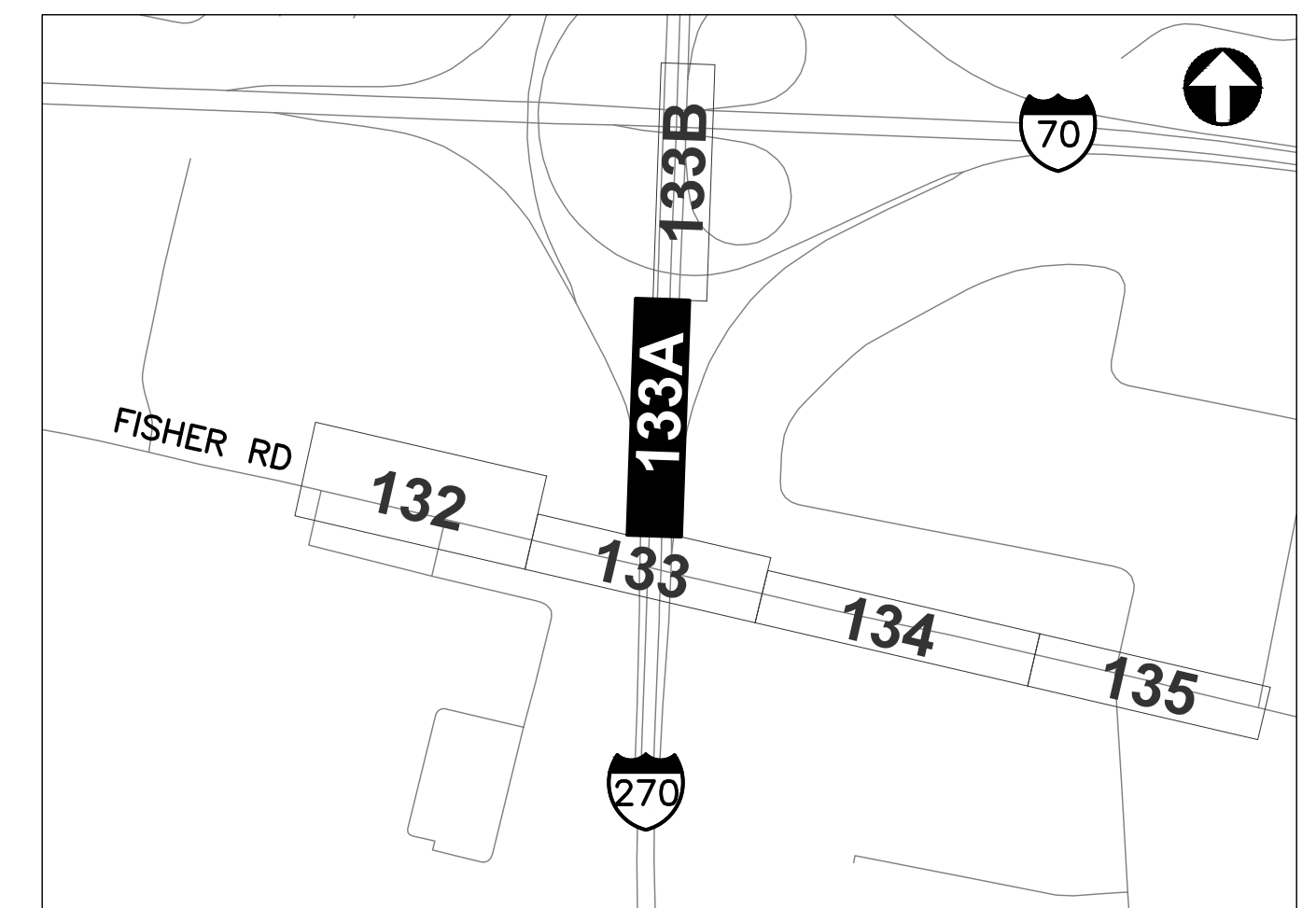
I-270 BETWEEN STATION 60+00 AND 71+00

**NOTES:**

1. SEE SHEET 136 FOR QUANTITIES.
2. SEE SHEET 684 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
I-270 BETWEEN STA. 440+00 AND 451+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

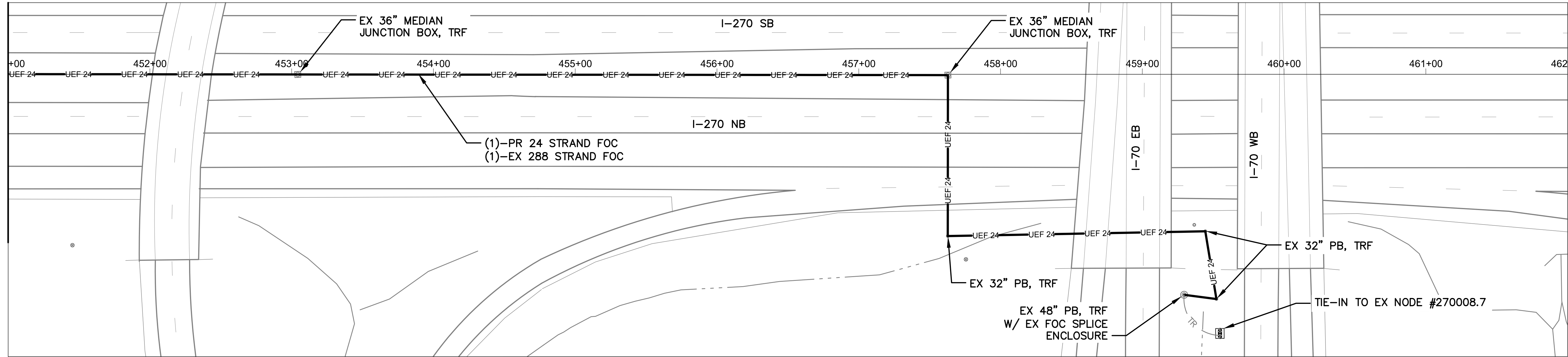
**133A**  
**1000**

**3150-E**



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MATCH LINE STA. 451+00, SEE SHEET 133A



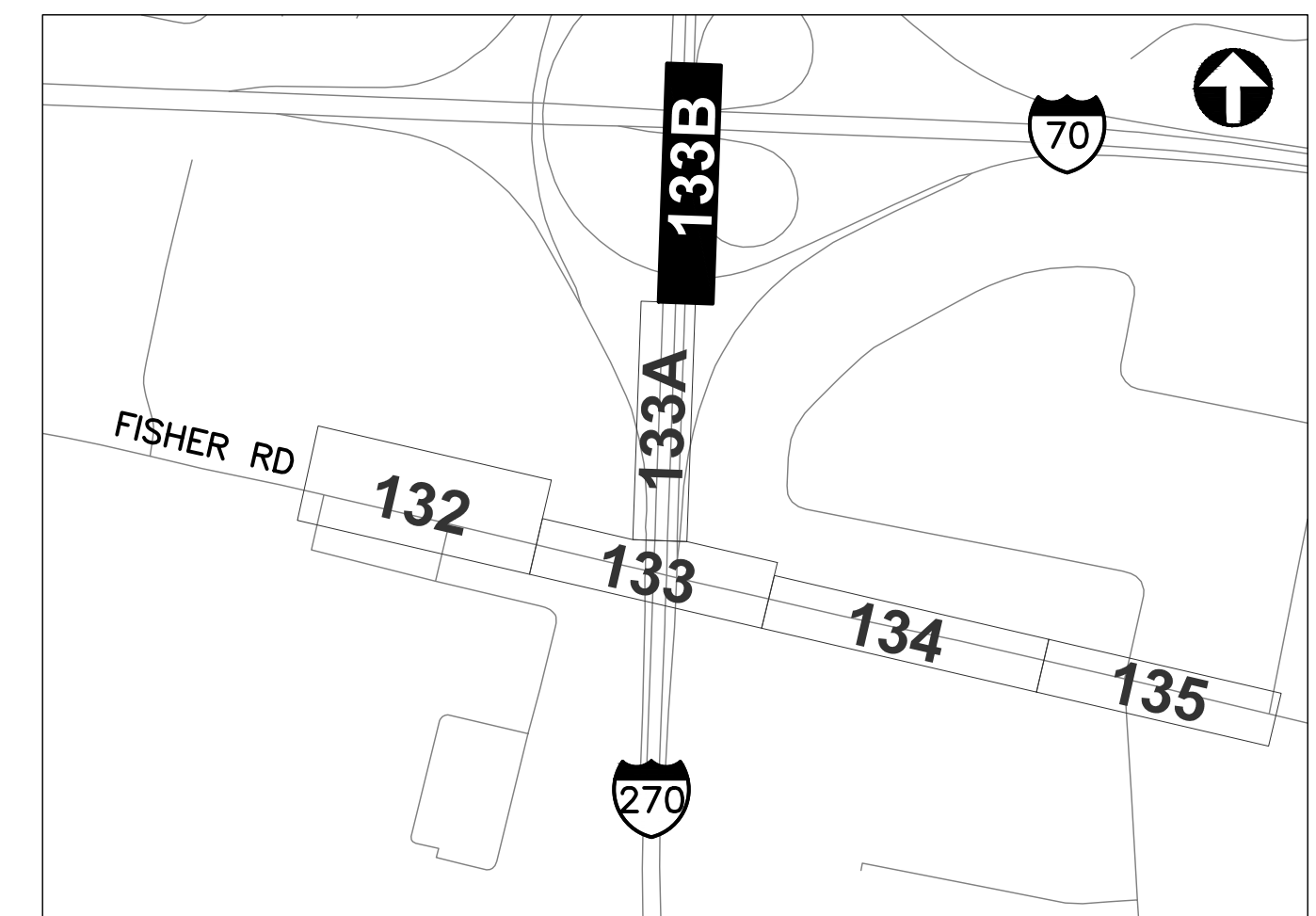
I-270 BETWEEN STATION 451+00 AND 462+00

**NOTES:**

1. SEE SHEET 136 FOR QUANTITIES.
2. SEE SHEET 684 FOR COMMUNICATION DETAILS.

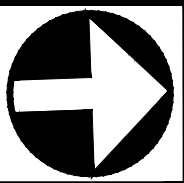
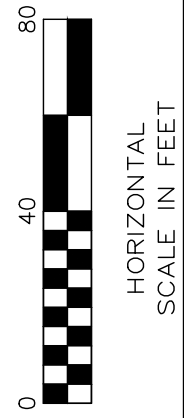


- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

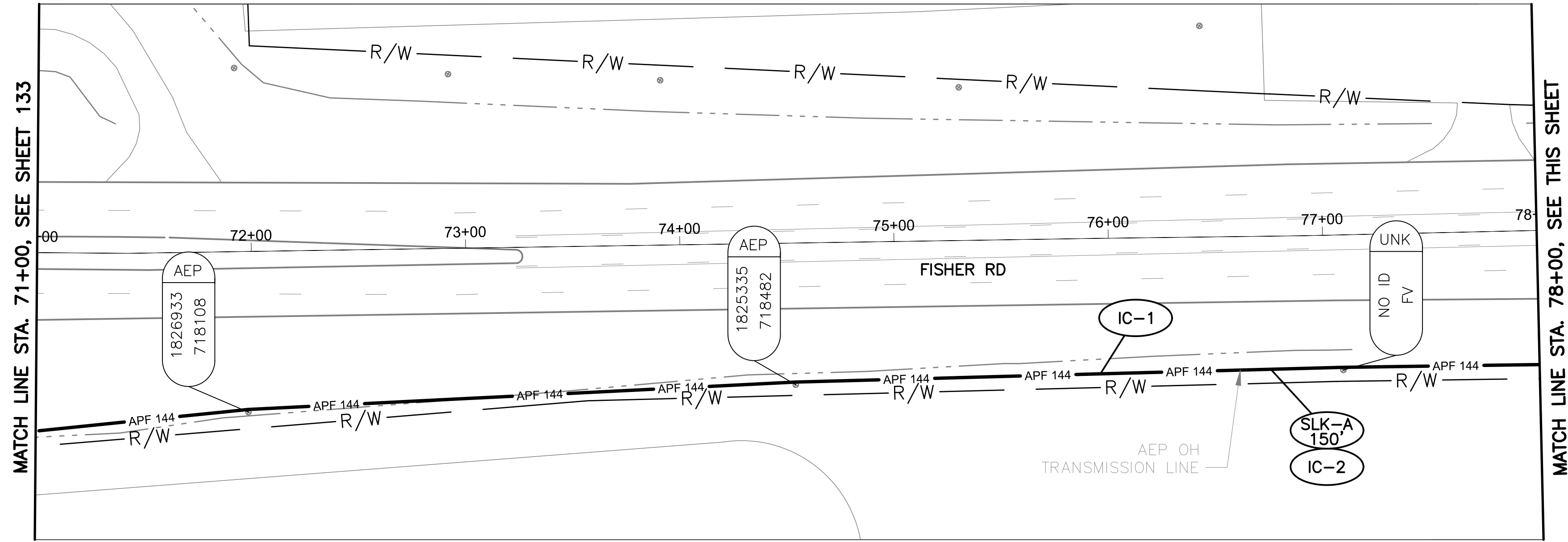
INTERCONNECT PLAN  
I-270 BETWEEN STA. 451+00 AND 462+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

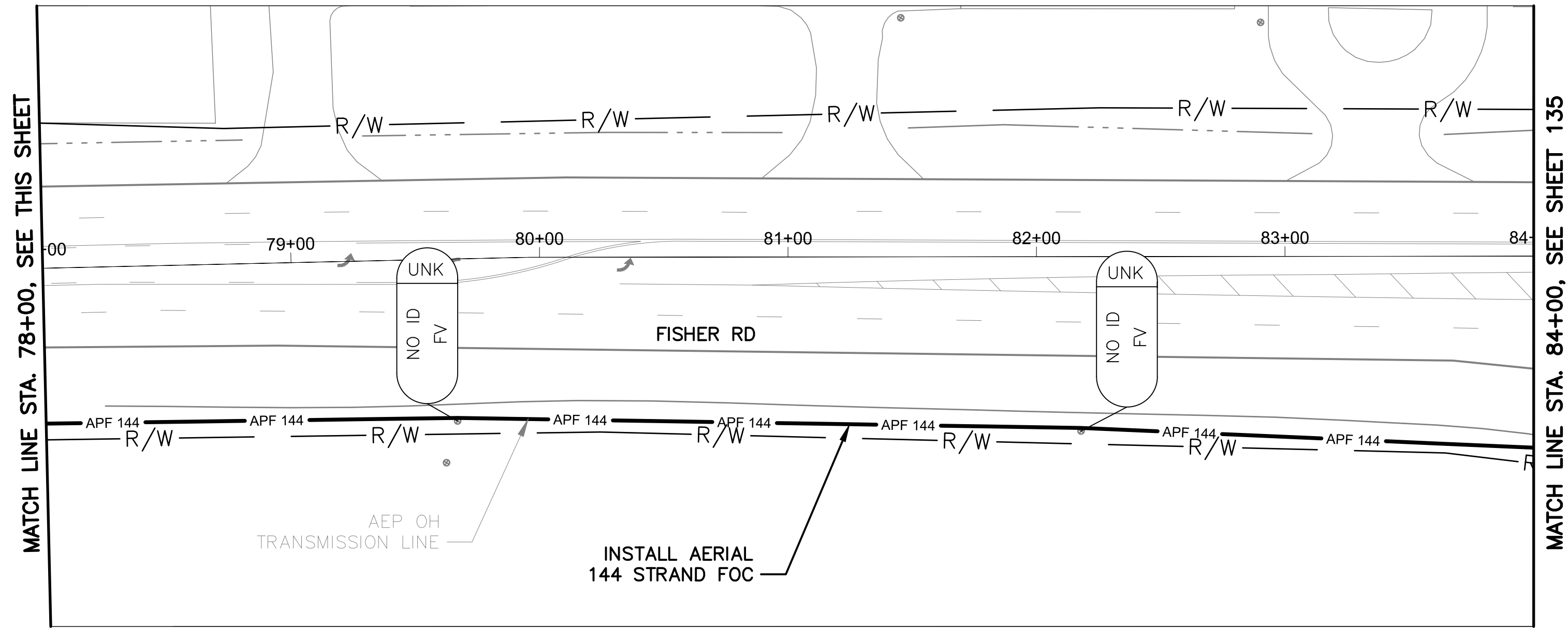
**133B**  
**1000**



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FISHER RD BETWEEN STATION 71+00 AND 78+00



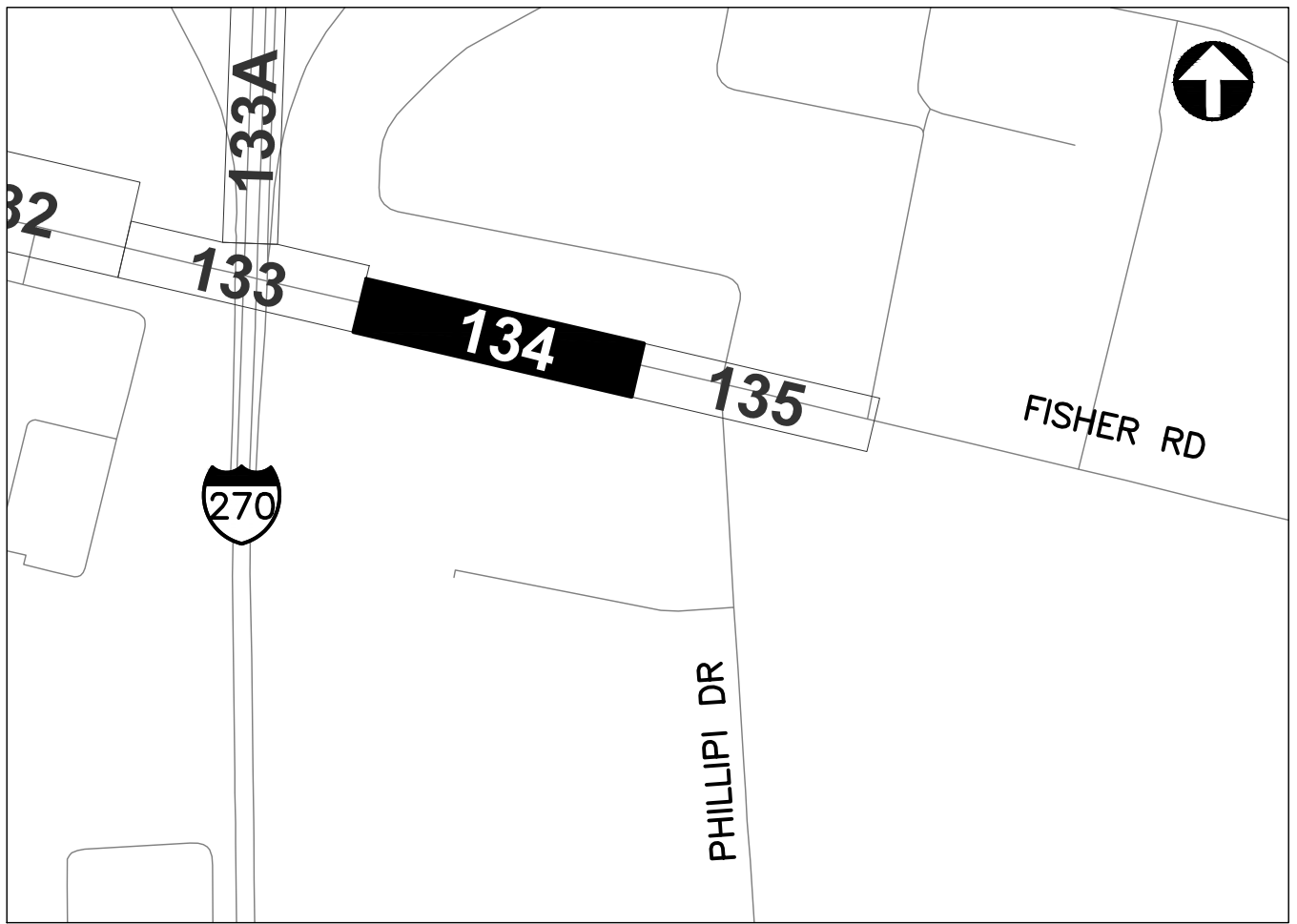
FISHER RD BETWEEN STATION 78+00 AND 84+00

**NOTES:**

1. SEE SHEET 136 FOR QUANTITIES.
2. SEE SHEET 684 FOR COMMUNICATION DETAILS.

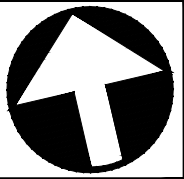
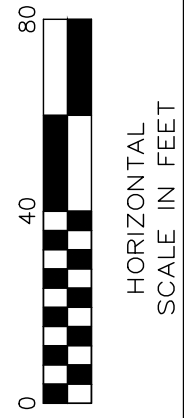


- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



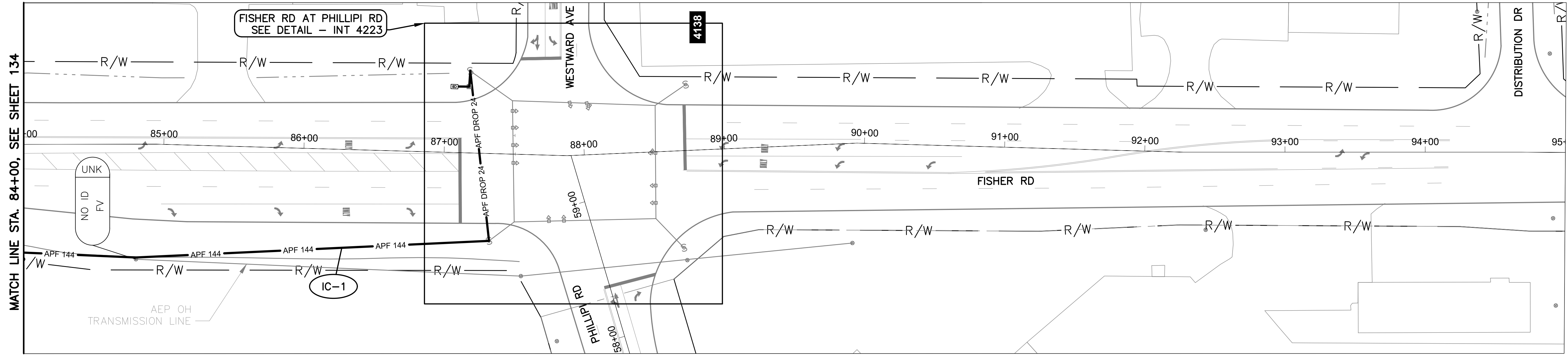
CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
FISHER RD BETWEEN STA. 71+00 AND 84+00

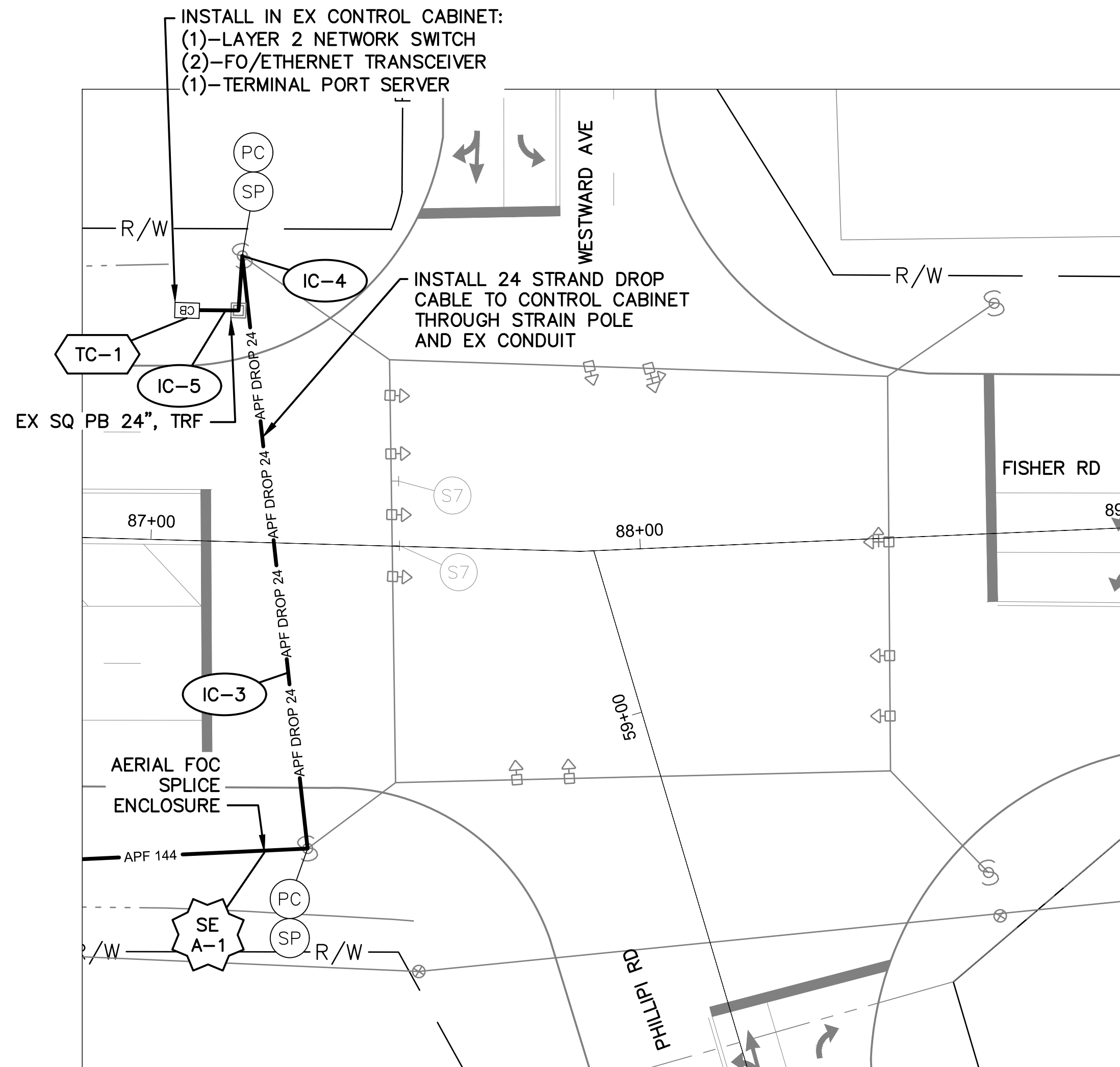
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



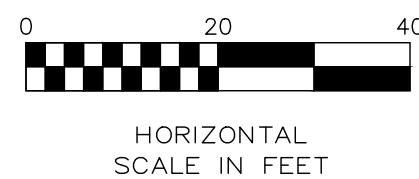
J:\Jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_Trunk0\_FISHER\_INTERCONNECT.dwg -- FISHER-4A layout -- last saved by: jhearns 10/10/2018 03:07pm -- printed 03/18/2020 05:01pm



FISHER RD BETWEEN STATION 84+00 AND 95+00



DETAIL - INT 4223

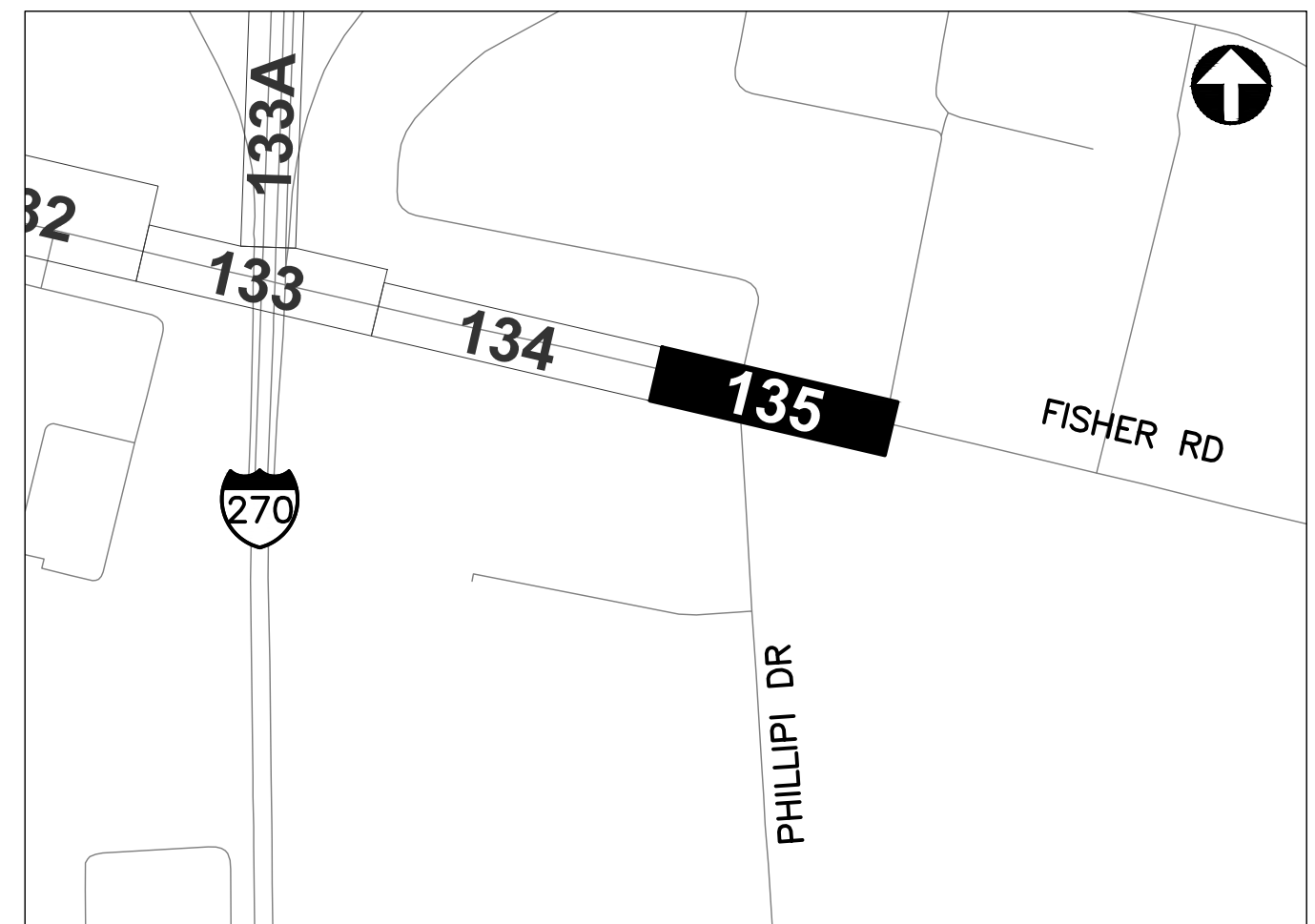


NOTES:

1. SEE SHEET 136 FOR QUANTITIES.
2. SEE SHEETS 684 & 957 FOR COMMUNICATION DETAILS.

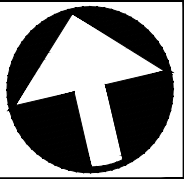


- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
FISHER RD BETWEEN STA. 84+00 AND 95+00, INT 4223

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

135  
1000

3150-E



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| ESTIMATED QUANTITIES                                                          |               |           |                |                |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   |                                                                      |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
|-------------------------------------------------------------------------------|---------------|-----------|----------------|----------------|------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|--|--|--|
| SHEET NO.                                                                     | REFERENCE NO. | LOCATION  | STATION        |                | 202                                            | 625                               | 625                                                                                      | 625                                            | 625                                            | 625                                    | 632                                               | 632                                                                  | 632                                                                | 632                                                                        | 632                                                                                    | 632                                                                                    | 633                                                                                  | 633                                                                                    | 633                                                           |                                                            |  |  |  |
|                                                                               |               |           |                |                | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | CONDUIT, 3", AS PER<br>PLAN<br>FT | CONDUIT, MISC.: 4"<br>CONDUIT, FIBER-GLASS<br>REINFORCED, ATTACHED<br>TO STRUCTURE<br>FT | PULL BOX, CONCRETE<br>32", AS PER PLAN<br>EACH | PULL BOX, CONCRETE<br>48", AS PER PLAN<br>EACH | TRENCH, 36" DEEP, AS<br>PER PLAN<br>FT | CONDUIT RISER, 2",<br>725.04, AS PER PLAN<br>EACH | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPlice<br>EACH | INTERCONNECT, MISC.:<br>SPlice ENCLOSURE,<br>CLAMSHELL, 288 SPlice<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 450FT DROP<br>CABLE<br>EACH | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER ITEM,<br>MISC.: TERMINAL PORT<br>SERVER<br>EACH |  |  |  |
| FISHER RD. (WEST MAINTENANCE) BETWEEN STA. 49+00 AND 60+00, INT FCEO FACILITY |               |           |                |                |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   |                                                                      |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 132                                                                           | IC-2          | FISHER RD | 52+67, 210' LT | 53+70, 78' LT  | 167                                            |                                   |                                                                                          |                                                |                                                |                                        |                                                   |                                                                      |                                                                    |                                                                            |                                                                                        | 1                                                                                      |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 132                                                                           | SE A-1        | FISHER RD | 53+70, 78' LT  |                |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   | 110                                                                  | 12                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 132                                                                           | IC-1          | FISHER RD | 53+70, 78' LT  | 60+00, 80' RT  |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   | 809                                                                  |                                                                    |                                                                            |                                                                                        |                                                                                        | 809                                                                                  |                                                                                        |                                                               |                                                            |  |  |  |
| FISHER RD. BETWEEN STA. 60+00 AND 71+00                                       |               |           |                |                |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   |                                                                      |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 133                                                                           | IC-1          | FISHER RD | 60+00, 80' RT  | 64+34, 105' RT |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   | 442                                                                  |                                                                    |                                                                            |                                                                                        |                                                                                        | 442                                                                                  |                                                                                        |                                                               |                                                            |  |  |  |
| 133                                                                           | IC-3          | FISHER RD | 64+27, 42' RT  | 64+34, 105' RT |                                                | 126                               |                                                                                          |                                                | 1                                              | 63                                     |                                                   | 63                                                                   |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 133                                                                           | IC-4          | FISHER RD | 64+27, 42' RT  | 67+78, 44' RT  |                                                |                                   | 353                                                                                      | 2                                              |                                                |                                        |                                                   | 353                                                                  |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 133                                                                           | IC-2          | FISHER RD | 64+34, 105' RT |                |                                                |                                   |                                                                                          |                                                |                                                |                                        | 1                                                 | 35                                                                   |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 133                                                                           | IC-5          | FISHER RD | 67+78, 44' RT  | 67+94, 119' RT |                                                |                                   |                                                                                          |                                                |                                                | 77                                     |                                                   | 77                                                                   |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 133                                                                           | IC-6          | FISHER RD | 67+94, 119' RT |                |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   | 35                                                                   |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 133                                                                           | IC-7          | FISHER RD | 67+94, 119' RT | 71+88, 88' RT  |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   | 312                                                                  |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| FISHER RD. BETWEEN STA. 71+00 AND 84+00                                       |               |           |                |                |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   |                                                                      |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 134                                                                           | IC-1          | FISHER RD | 71+88, 88' RT  | 84+00, 90' RT  |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   |                                                                      |                                                                    |                                                                            |                                                                                        |                                                                                        | 150                                                                                  |                                                                                        |                                                               |                                                            |  |  |  |
| 134                                                                           | IC-2          | FISHER RD | 75+83, 62' RT  |                |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   | 150                                                                  |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| FISHER RD. BETWEEN STA. 84+00 AND 91+00, INT 4223                             |               |           |                |                |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   |                                                                      |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 135                                                                           | IC-1          | FISHER RD | 84+00, 90' RT  | 87+33, 62' RT  |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   | 338                                                                  |                                                                    |                                                                            |                                                                                        |                                                                                        | 338                                                                                  |                                                                                        |                                                               |                                                            |  |  |  |
| 135                                                                           | TC-1          | FISHER RD | 87+06, 47' LT  |                |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   |                                                                      |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      | 2                                                                                      | 1                                                             | 1                                                          |  |  |  |
| 135                                                                           | IC-5          | FISHER RD | 87+17, 51' LT  | 87+33, 62' RT  |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   |                                                                      |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 135                                                                           | IC-4          | FISHER RD | 87+33, 62' RT  |                |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   |                                                                      |                                                                    |                                                                            | 1                                                                                      |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 135                                                                           | IC-3          | FISHER RD | 87+33, 62' LT  | 87+33, 62' RT  |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   |                                                                      |                                                                    |                                                                            |                                                                                        |                                                                                        | 12                                                                                   |                                                                                        |                                                               |                                                            |  |  |  |
| 135                                                                           | SE A-1        | FISHER RD | 87+33, 62' RT  |                |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   | 150                                                                  | 156                                                                | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
| 135                                                                           | IC-2          | FISHER RD | 87+33, 62' RT  | 87+85, 143' RT |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   | 97                                                                   |                                                                    |                                                                            |                                                                                        |                                                                                        | 97                                                                                   |                                                                                        |                                                               |                                                            |  |  |  |
|                                                                               |               |           |                |                |                                                |                                   |                                                                                          |                                                |                                                |                                        |                                                   |                                                                      |                                                                    |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                            |  |  |  |
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AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT

FISHER RD BTW STA. 49+00 & 91+00  
INTS FCEO FACILITY, 4223

CIP: 540007-100006  
PID NUMBER: 82573

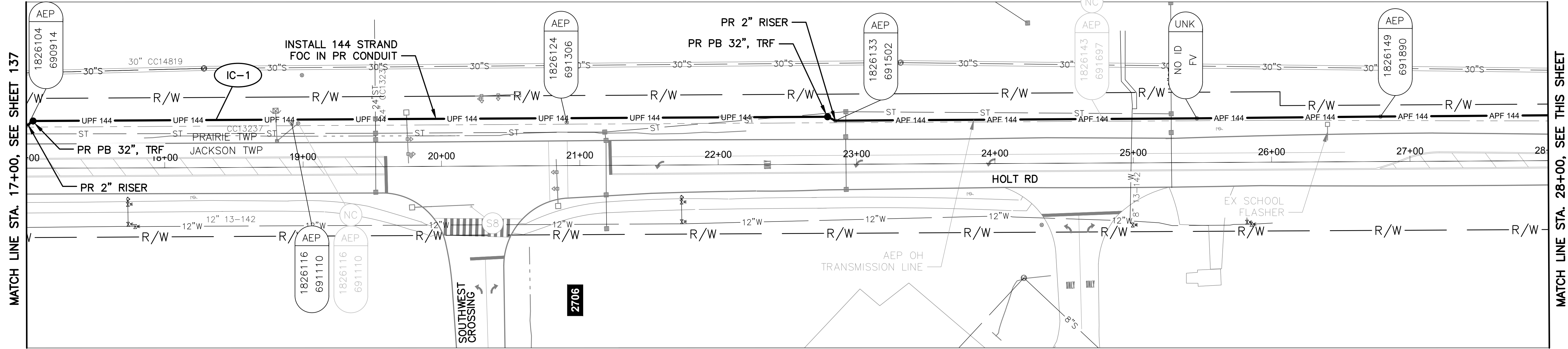
136  
1000



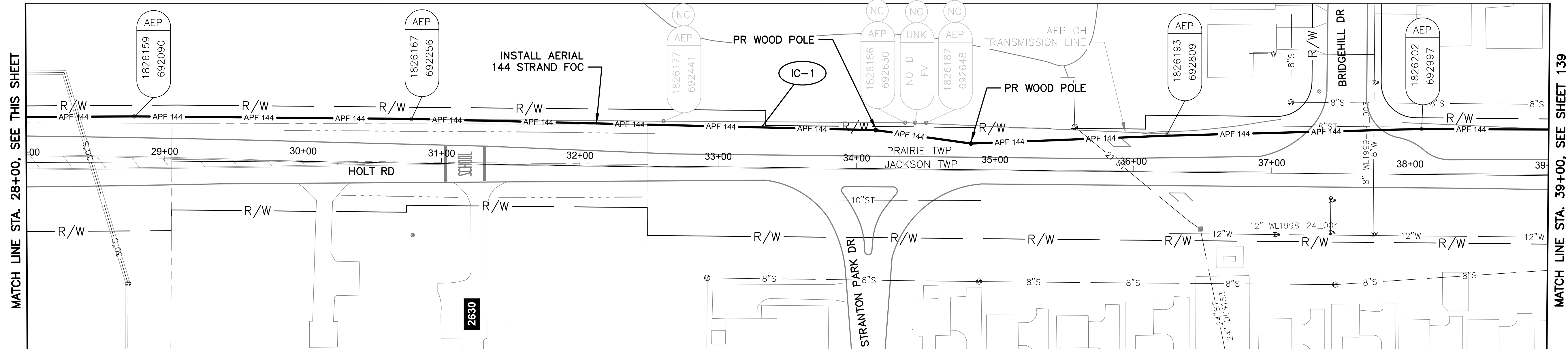




J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunko\_HOLT\_INTERCONNECT.dwg -- HOLT-2 layout -- last saved by jjeans 12/12/2019 02:17pm -- printed 03/18/2020 05:04pm



HOLT RD BETWEEN STATION 17+00 AND 28+00



HOLT RD BETWEEN STATION 28+00 AND 39+00

NOTES:

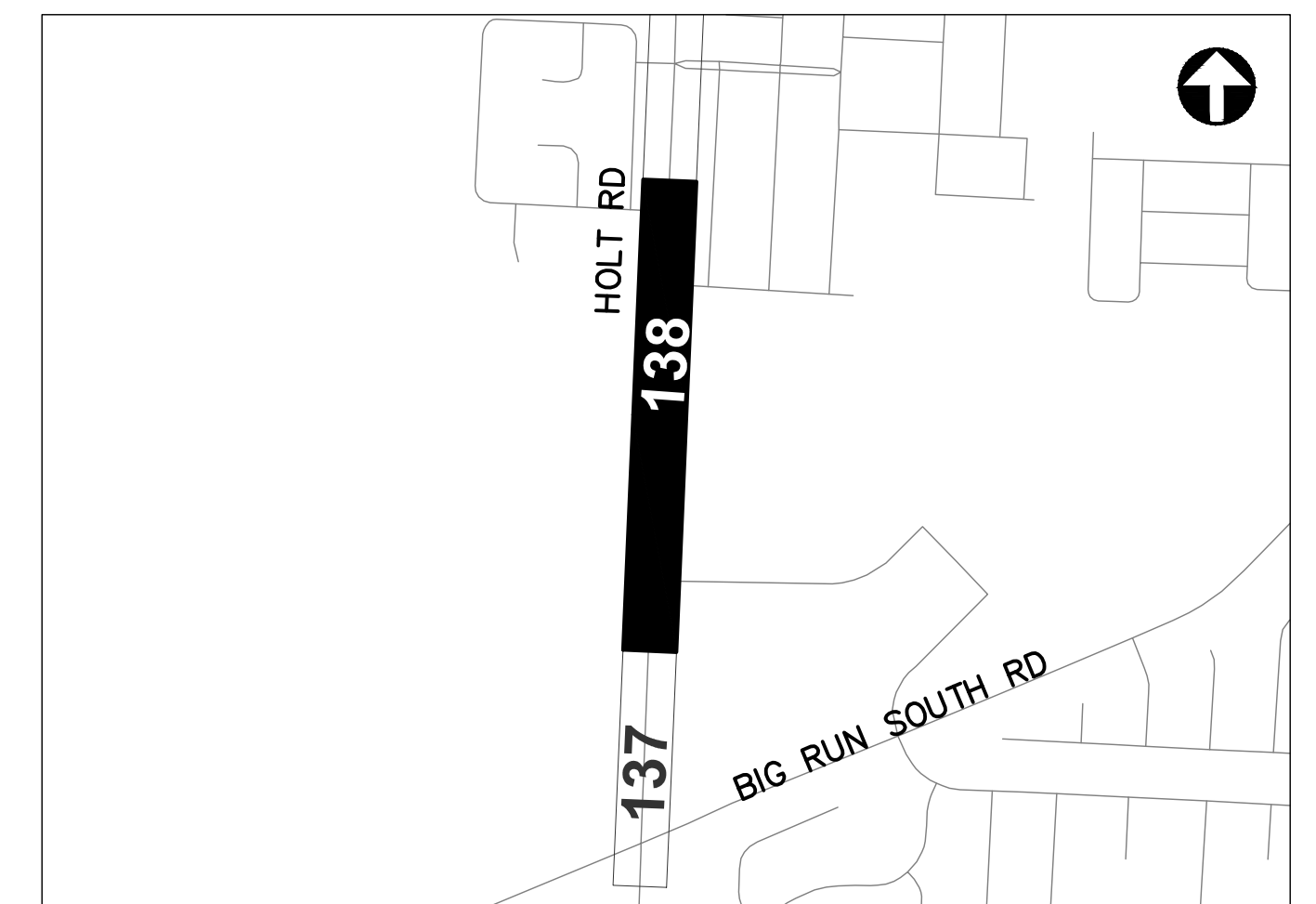
1. SEE SHEET 143 FOR QUANTITIES.
2. SEE SHEET 683 FOR COMMUNICATION DETAILS.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input checked="" type="checkbox"/> | SEWER    |
| <input checked="" type="checkbox"/> | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input type="checkbox"/>            | LIGHTING |

REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
HOLT RD BETWEEN STA. 17+00 AND 39+00

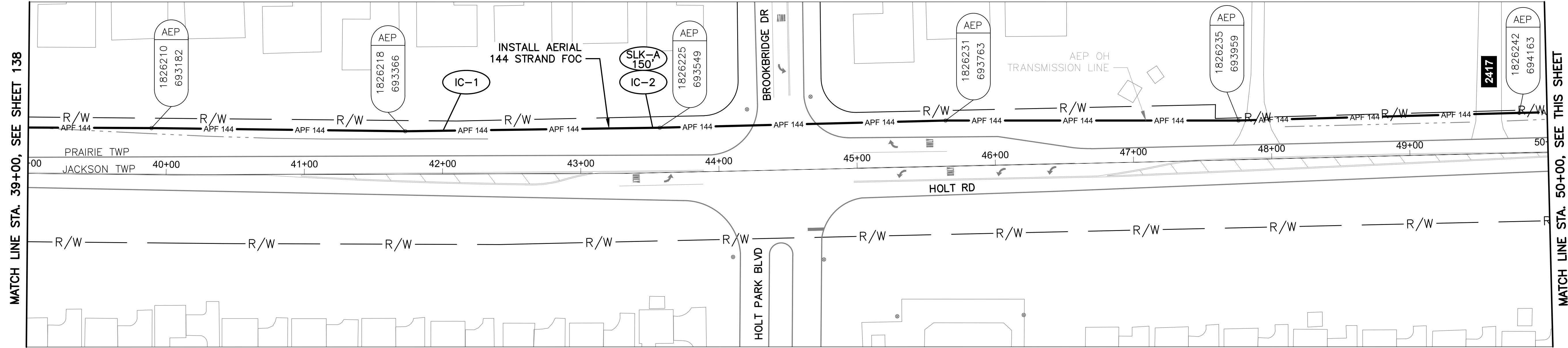
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

138  
1000

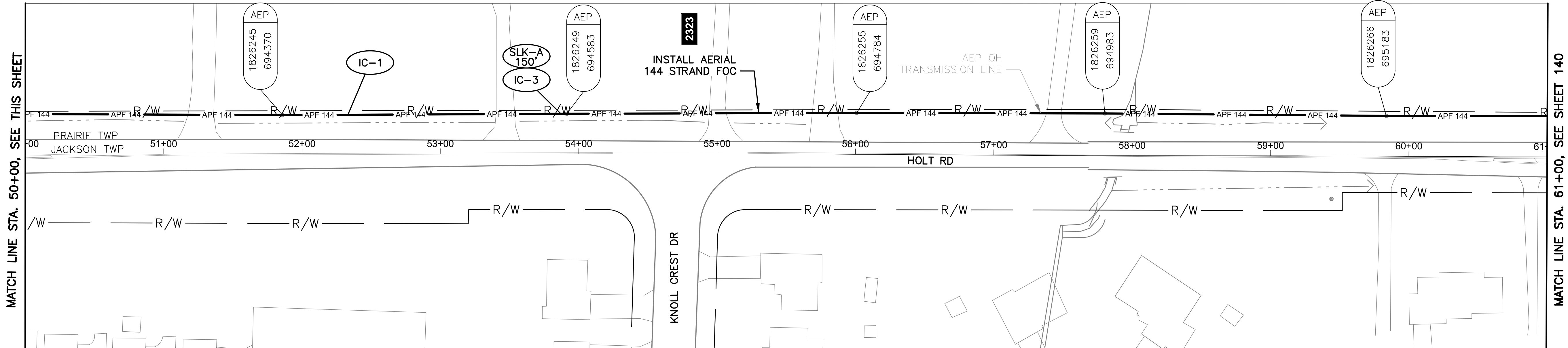
3150-E



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HOLT RD BETWEEN STATION 39+00 AND 50+00



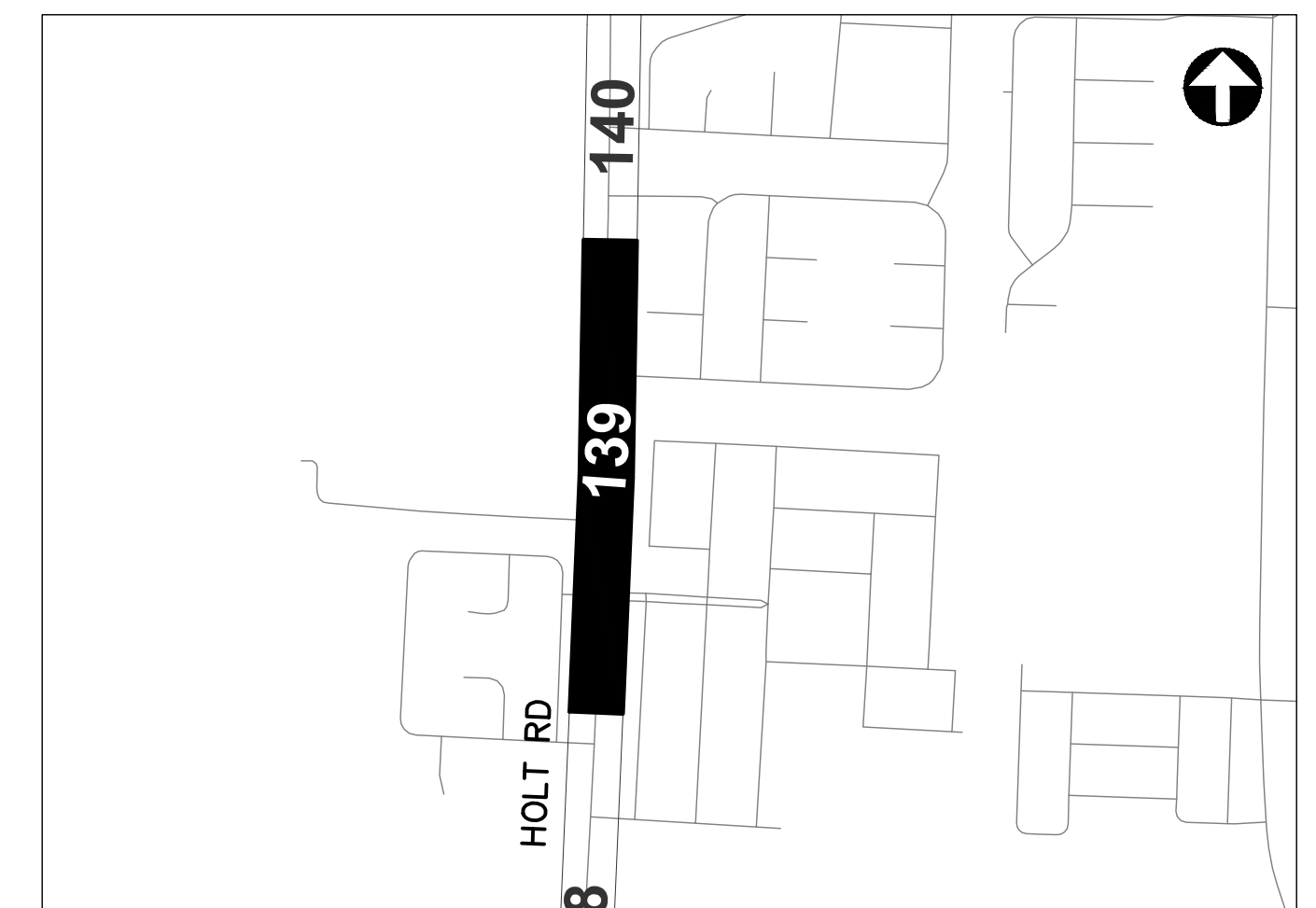
HOLT RD BETWEEN STATION 50+00 AND 61+00

**NOTES:**

1. SEE SHEET 143 FOR QUANTITIES.
2. SEE SHEET 683 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
HOLT RD BETWEEN STA. 39+00 AND 61+00

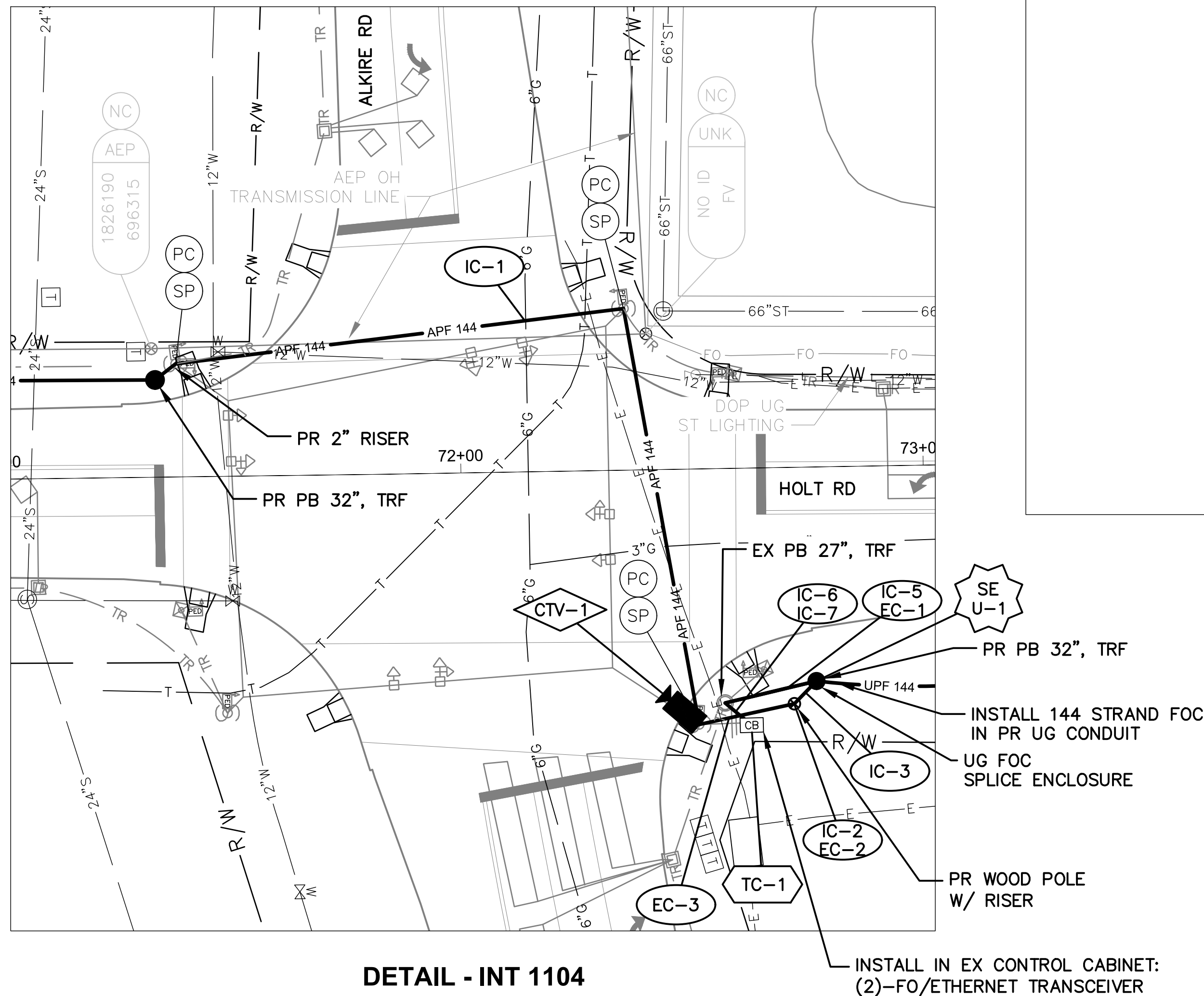
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

139  
1000

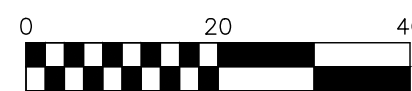
3150-E



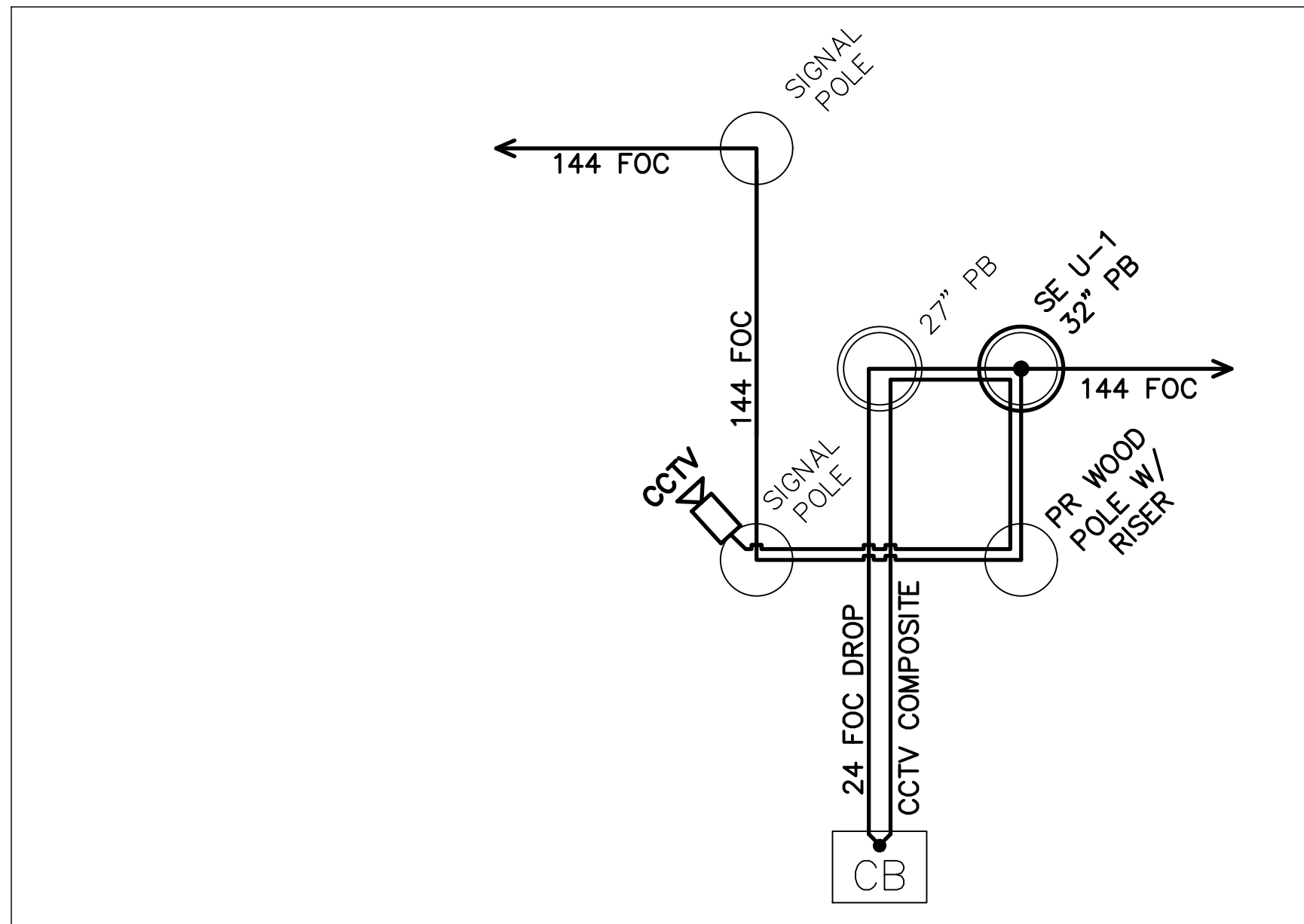
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DETAIL - INT 1104



HORIZONTAL  
SCALE IN FEET



CABLE SCHEMATIC - INT 1104  
NOT TO SCALE

NOTES:

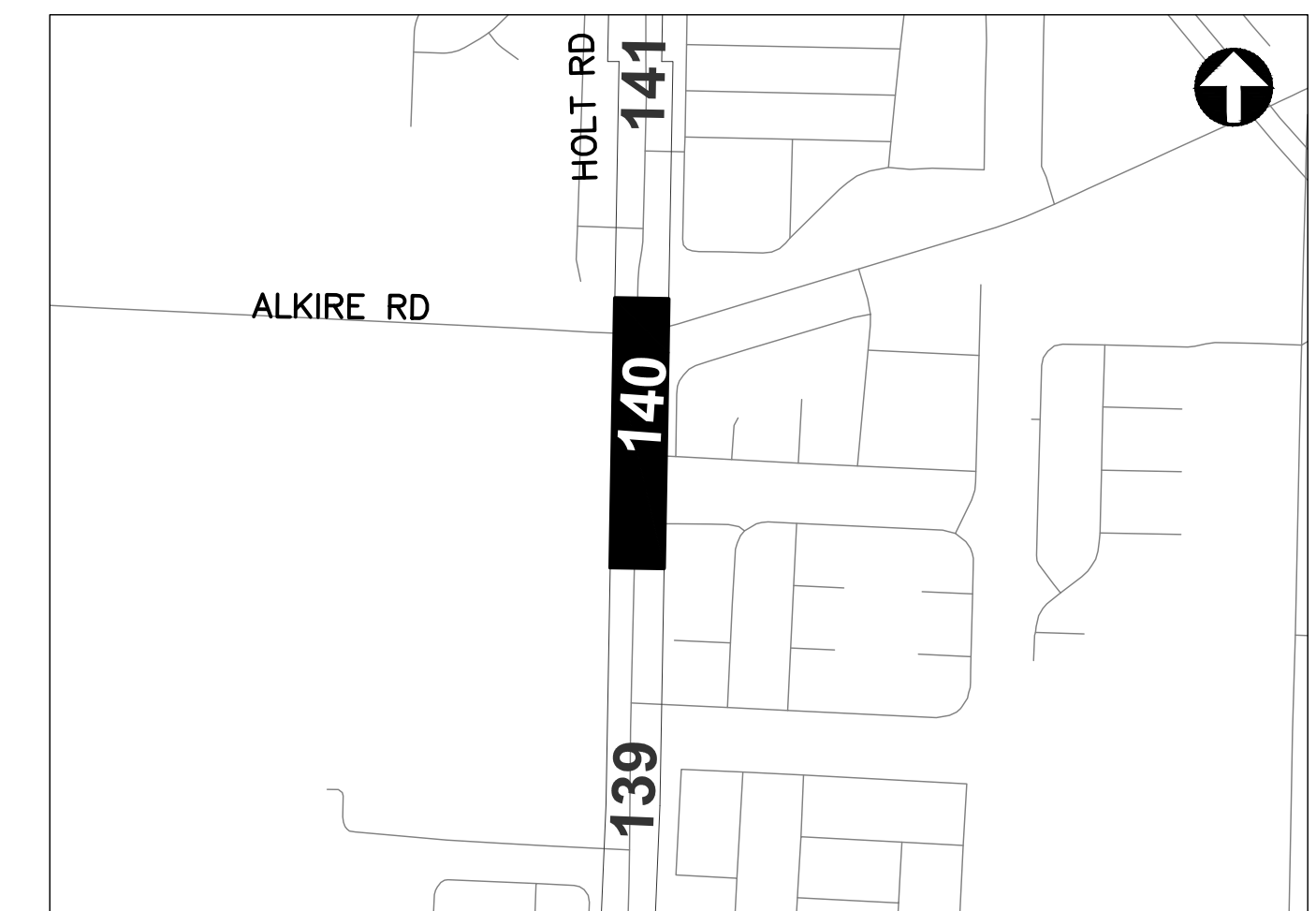
1. SEE SHEET 143 FOR QUANTITIES.
2. SEE SHEETS 683 & 943 FOR COMMUNICATION DETAILS.

# EXISTING UTILITY CROSSING.  
SEE UTILITY CROSSING INFO  
SHEET 14.



CITY OF COLUMBUS  
UTILITY LEGEND

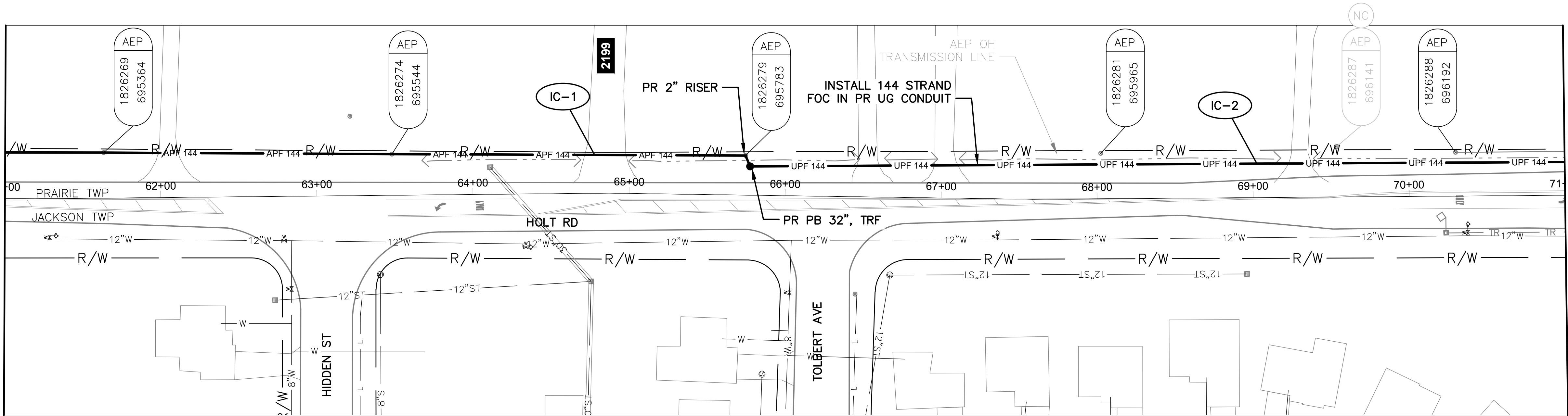
- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

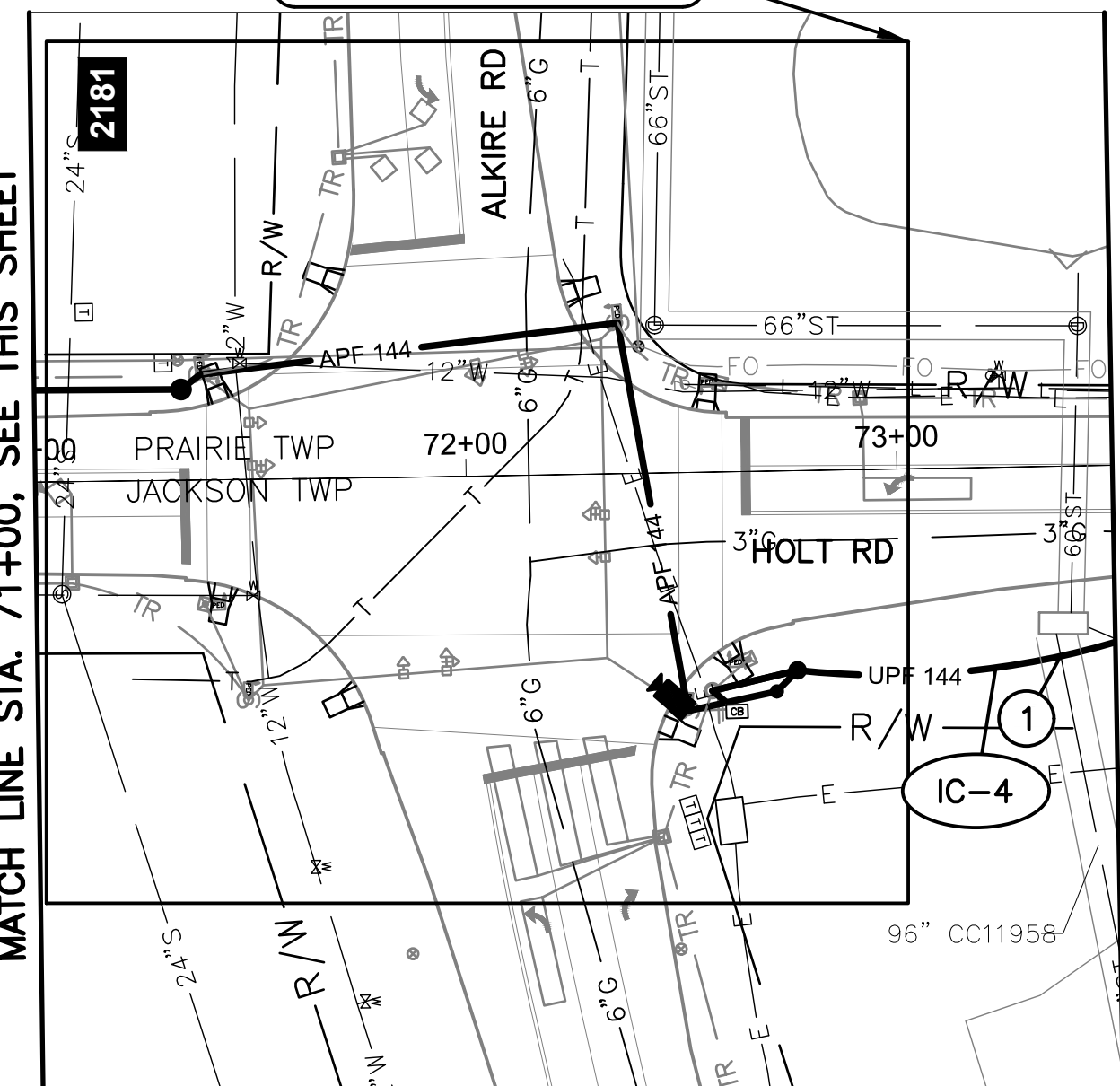
MATCH LINE STA. 61+00, SEE SHEET 139



HOLT RD BETWEEN STATION 61+00 AND 71+00

ALKIRE RD AT HOLT RD  
SEE DETAIL - INT 1104

MATCH LINE STA. 71+00, SEE THIS SHEET



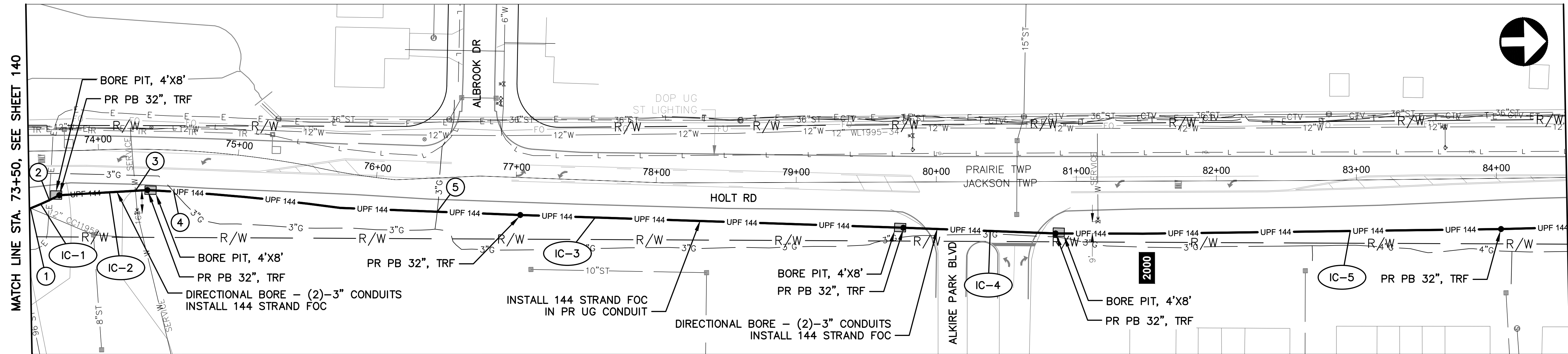
HOLT RD BETWEEN STATION 71+00 AND 73+50

MATCH LINE STA. 73+50, SEE SHEET 141

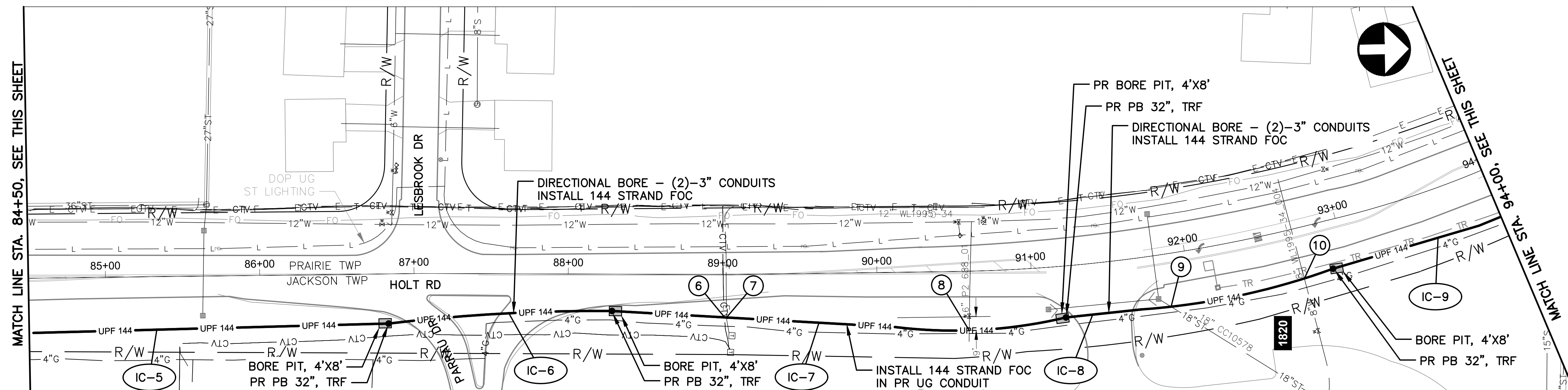




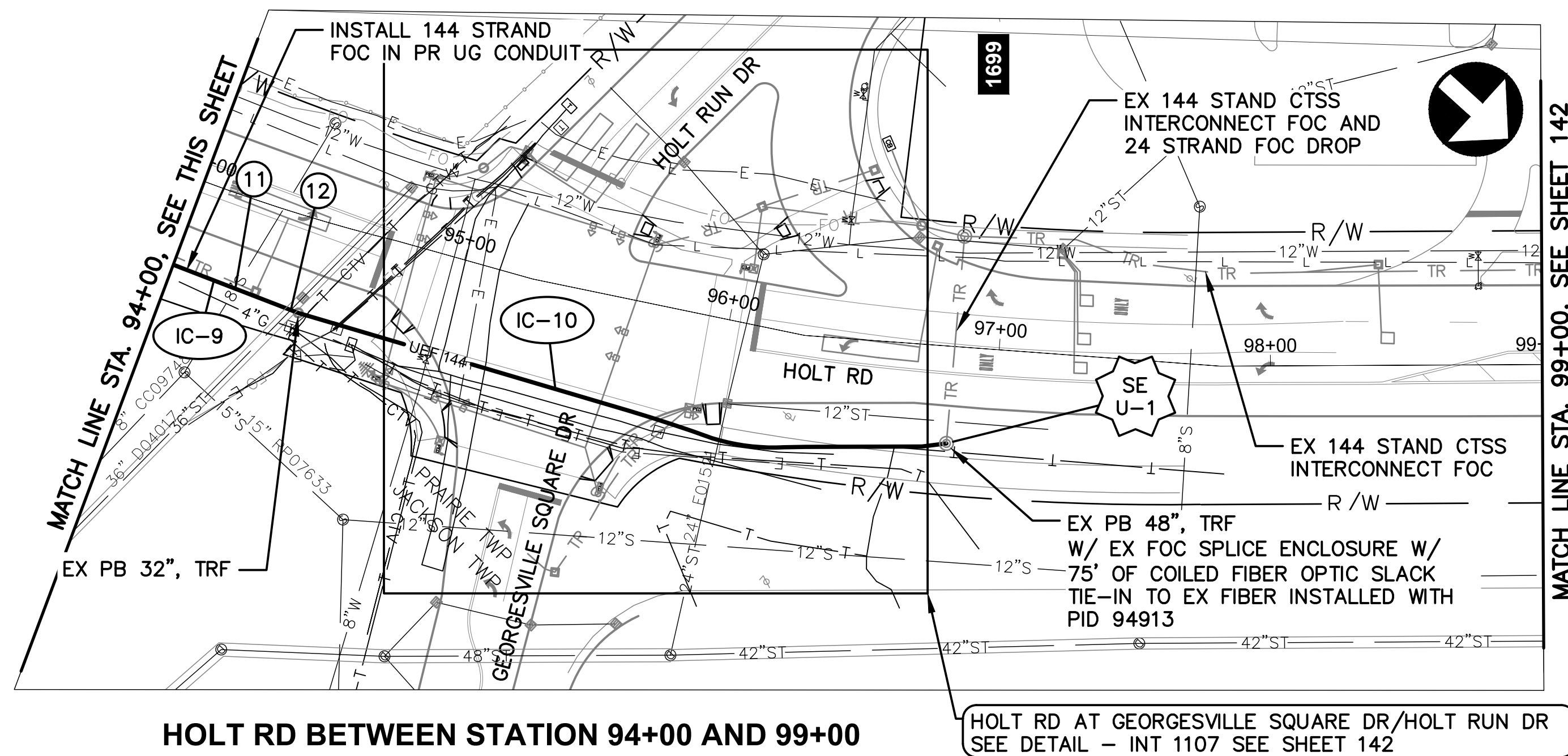
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HOLT RD BETWEEN STATION 73+50 AND 84+50



HOLT RD BETWEEN STATION 84+50 AND 94+00



HOLT RD BETWEEN STATION 94+00 AND 99+00

NOTES:

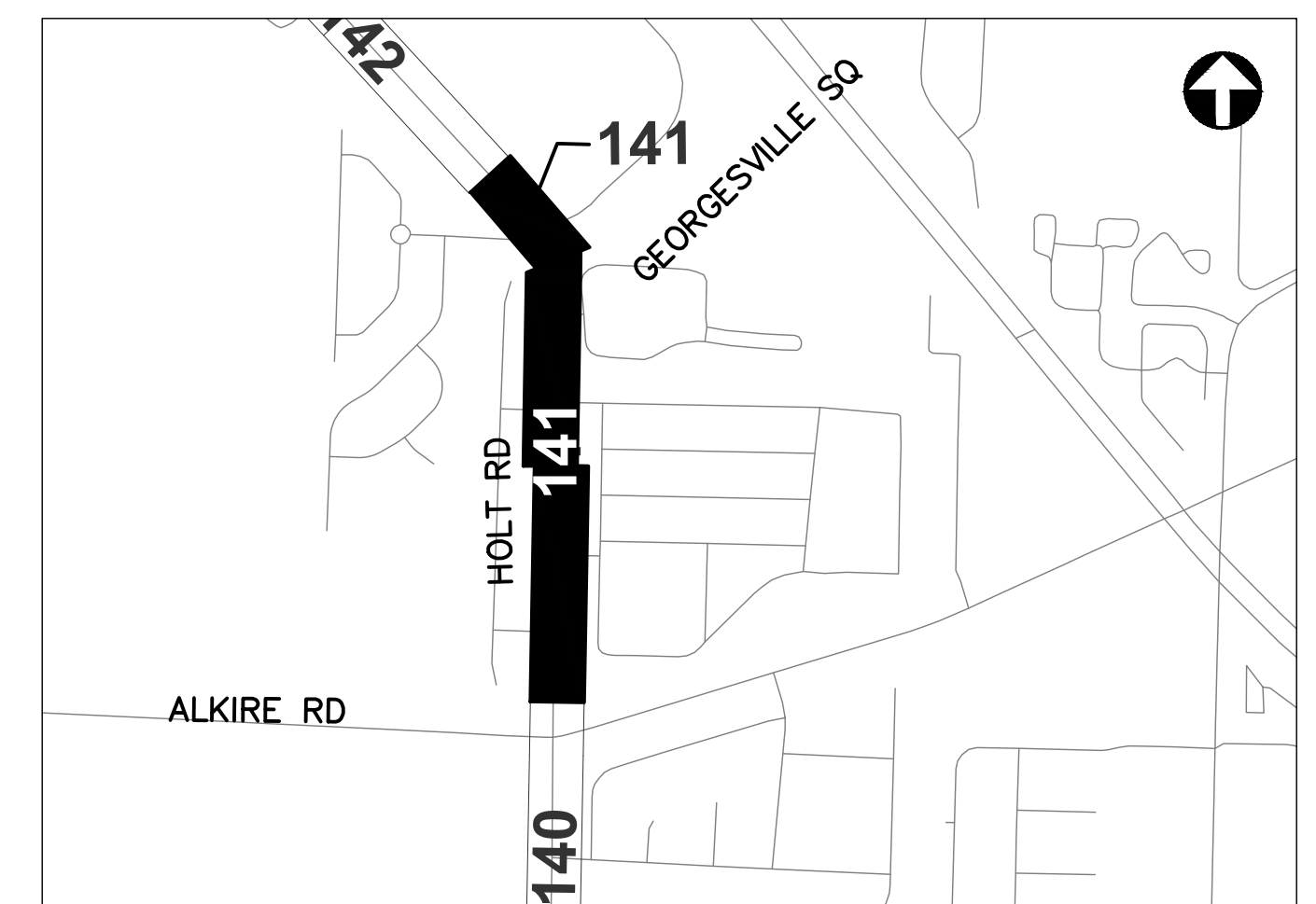
1. SEE SHEET 143 FOR QUANTITIES.
2. SEE SHEET 683 FOR COMMUNICATION DETAILS.

# EXISTING UTILITY CROSSING.  
SEE UTILITY CROSSING INFO  
SHEET 14.



CITY OF COLUMBUS  
UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING

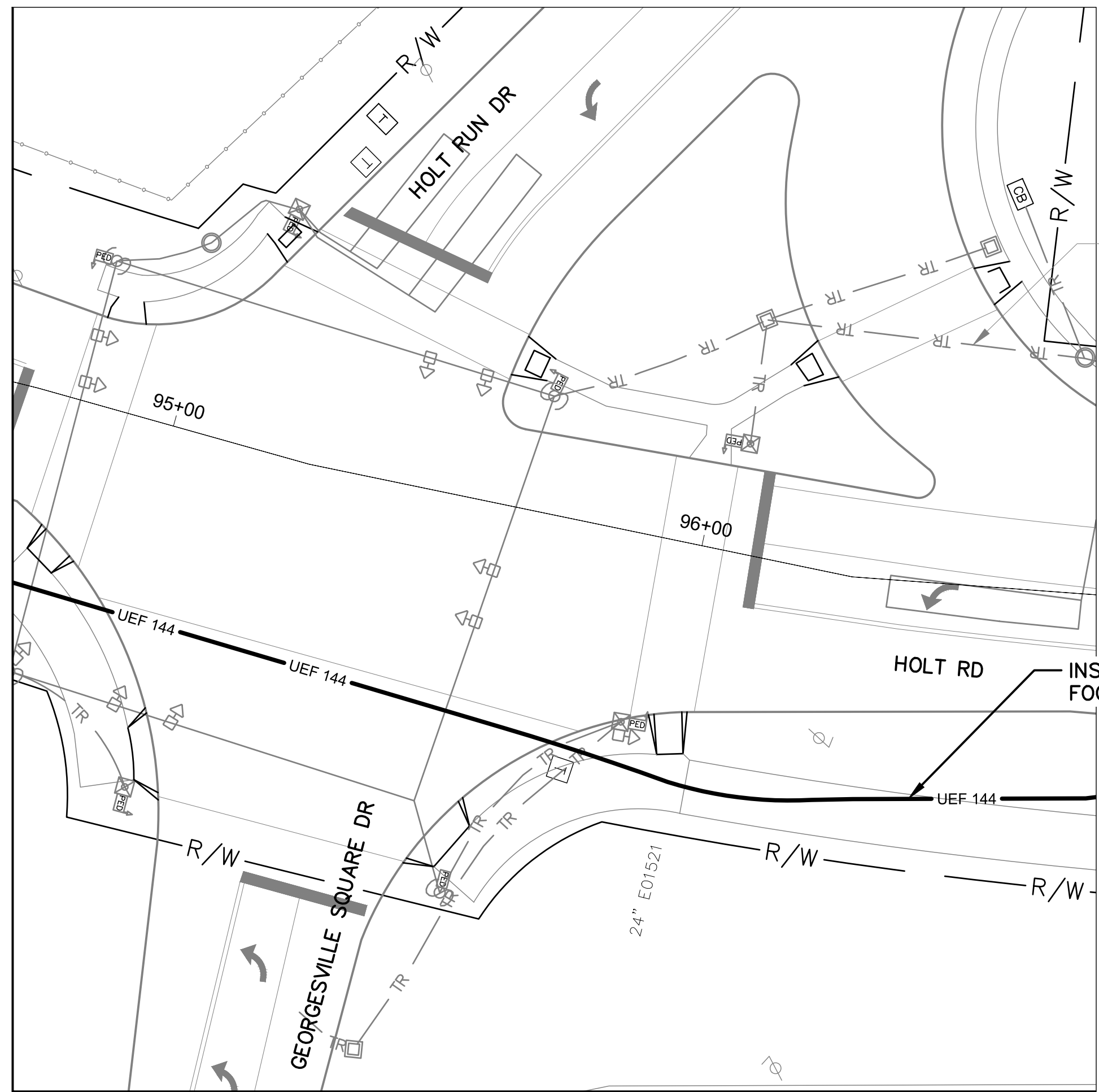


REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

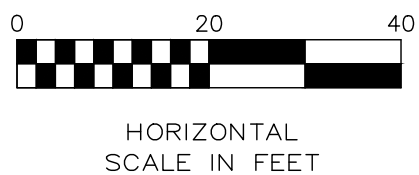
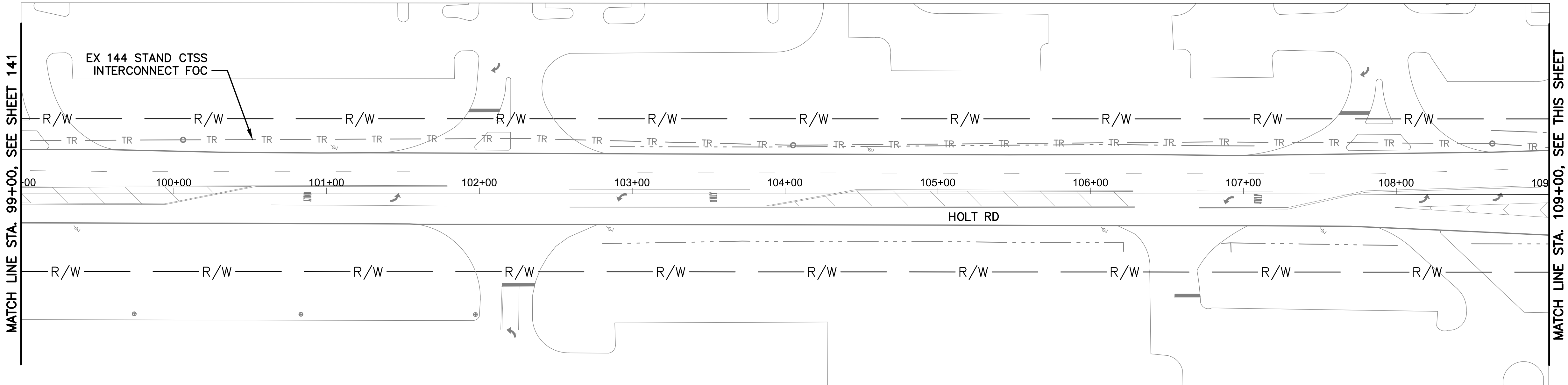
KEY PLAN  
NOT TO SCALE



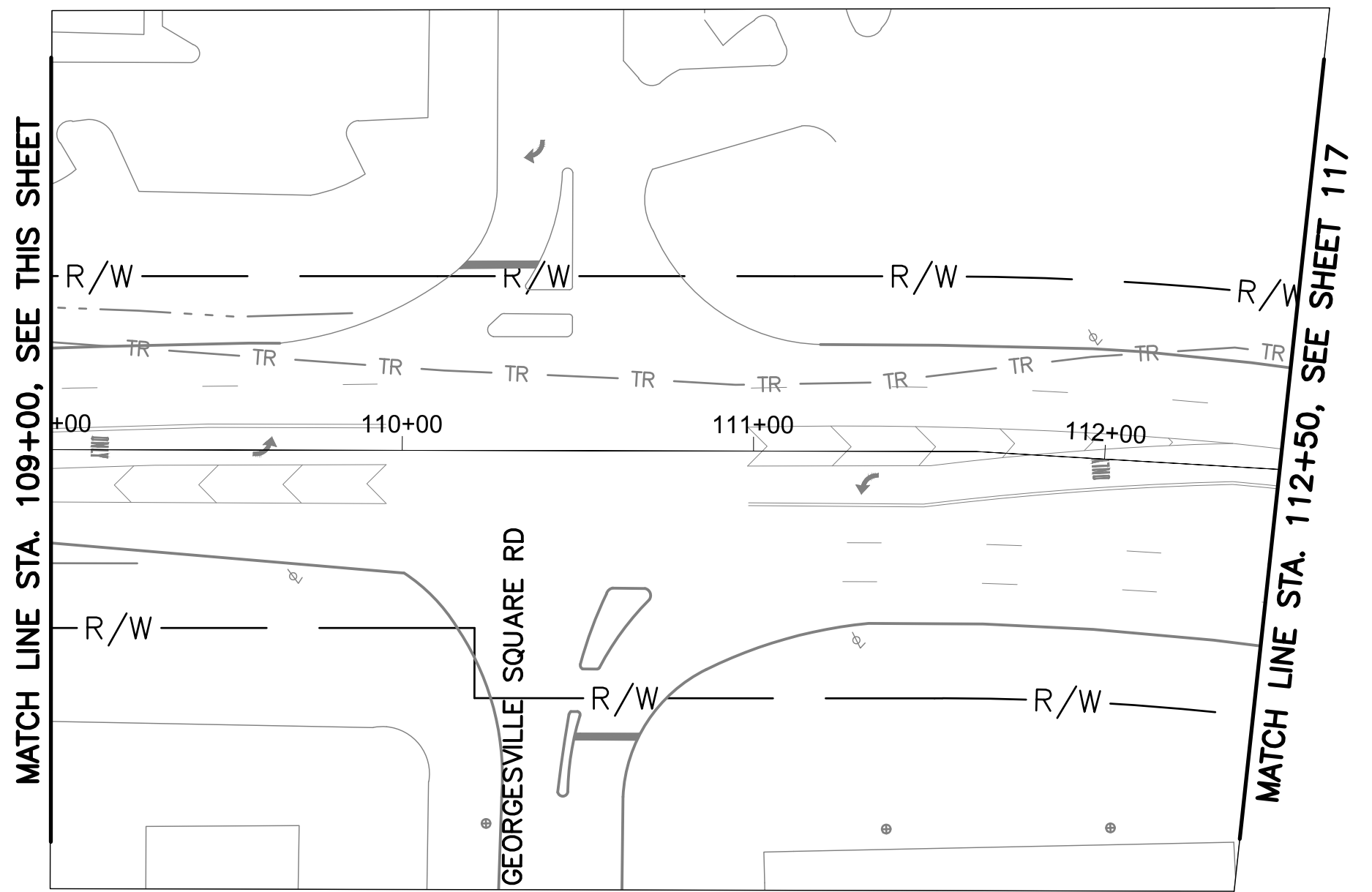
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DETAIL - INT 1107 (SEE SHEET 141)



HOLT RD BETWEEN STATION 99+00 AND 109+00



HOLT RD BETWEEN STATION 109+00 AND 112+50



REFER TO SHEET 11 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

NOTES:

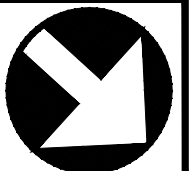
1. SEE SHEET 143 FOR QUANTITIES.
2. SEE SHEETS 683 & 944 FOR COMMUNICATION DETAILS.
3. INTERSECTION IMPROVEMENTS ARE SHOWN PER FUTURE PROJECT 3043-E.

# EXISTING UTILITY CROSSING.  
SEE UTILITY CROSSING INFO  
SHEET 14.

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- WATER
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- LIGHTING



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
HOLT RD BETWEEN STA. 99+00 AND 112+50+00, INT 1107

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

142  
1000

3150-E



J:\Jobs\60135\TCHPR00\Sheets\CTSS\_Phd\_Trunk0\_HOLT\_IG-QUANTITIES.dwg -- HOLT-01 layout -- last saved by: gburch 07/29/2016 03:06pm -- printed 03/18/2020 05:08pm

| ESTIMATED QUANTITIES                                                                           |               |          |               |               |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
|------------------------------------------------------------------------------------------------|---------------|----------|---------------|---------------|------------------------------------------|-----------------------------|------------------------------------------------------------|---------------------------------------------------|----------------------------------------|----------------------------------|-------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------|------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|---|
| SHEET NO.                                                                                      | REFERENCE NO. | LOCATION | STATION       |               | 202                                      | 625                         | 625                                                        | 625                                               | 625                                    | 625                              | 632                                       | 632                                                            | 632                                                        | 632                                                                | 632                                                                            | 632                                                                            | 632                                                                            | 632                                           | 632                                            | 633                          | 633                                                                            | 633                                                    |                                                       |   |
|                                                                                                |               |          | FROM          | TO            | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | CONDUIT, 3", AS PER<br>PLAN | CONDUIT, CONCRETE<br>ENCASED, 2-3", 725.05, AS<br>PER PLAN | CONDUIT, JACKED OR<br>DRILLED, 3", AS PER<br>PLAN | PULL BOX, CONCRETE<br>32", AS PER PLAN | TRENCH, 36" DEEP, AS<br>PER PLAN | CONDUIT RISER, 2",<br>725.04, AS PER PLAN | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPlice | INTERCONNECT, MISC.:<br>SPlice ENCLOSURE,<br>CLAMSHELL, 288 SPlice | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 450FT DROP<br>CABLE | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM | WOOD POLE, CLASS 5, 35<br>FT | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: INTERNAL<br>ETHERNET MODULE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH |   |
| HOLT RD. BETWEEN STA. 6+00 AND 17+00, INT SIG4785                                              |               |          |               |               |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 137                                                                                            | TC-1          | HOLT RD  | 7+62, 47' RT  |               |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                | 2                            | 1                                                                              | 1                                                      |                                                       |   |
| 137                                                                                            | IC-4          | HOLT RD  | 7+62, 47' RT  | 8+22, 112' RT |                                          |                             | 88                                                         |                                                   | 1                                      | 88                               |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 137                                                                                            | IC-5          | HOLT RD  | 7+62, 47' RT  | 9+29, 34' LT  |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 137                                                                                            | IC-2          | HOLT RD  | 8+22, 112' RT | 9+29, 34' LT  |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                | 207                                                                            |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 137                                                                                            | IC-3          | HOLT RD  | 8+22, 112' RT |               |                                          |                             |                                                            |                                                   |                                        |                                  | 1                                         |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 137                                                                                            | SE A-1        | HOLT RD  | 9+29, 34' LT  |               |                                          |                             |                                                            |                                                   |                                        |                                  |                                           | 75                                                             | 12                                                         | 1                                                                  |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 137                                                                                            | IC-1          | HOLT RD  | 9+29, 34' LT  | 17+00, 31' LT |                                          |                             |                                                            |                                                   |                                        |                                  |                                           | 783                                                            |                                                            |                                                                    |                                                                                |                                                                                | 783                                                                            |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| HOLT RD. BETWEEN STA. 17+00 AND 39+00                                                          |               |          |               |               |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 138                                                                                            | IC-1          | HOLT RD  | 17+00, 31' LT | 17+00, 31' LT |                                          |                             |                                                            |                                                   |                                        |                                  | 2,233                                     |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               | 2                                              |                              |                                                                                |                                                        |                                                       |   |
| 138                                                                                            | IC-2          | HOLT RD  | 17+00, 31' LT |               |                                          |                             |                                                            |                                                   |                                        |                                  | 150                                       |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| HOLT RD. BETWEEN STA. 39+00 AND 61+00                                                          |               |          |               |               |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 139                                                                                            | IC-1          | HOLT RD  | 39+00, 33' LT | 39+00, 33' LT |                                          |                             |                                                            |                                                   |                                        |                                  | 2,232                                     |                                                                |                                                            |                                                                    |                                                                                |                                                                                | 2,232                                                                          |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 139                                                                                            | IC-2          | HOLT RD  | 39+00, 33' LT |               |                                          |                             |                                                            |                                                   |                                        |                                  | 50                                        |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 139                                                                                            | IC-3          | HOLT RD  | 39+00, 33' LT |               |                                          |                             |                                                            |                                                   |                                        |                                  | 150                                       |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| HOLT RD. BETWEEN STA. 61+00 AND 73+50, INT 1104                                                |               |          |               |               |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | IC-1          | HOLT RD  | 61+00, 32' LT | 72+71, 51' RT |                                          |                             |                                                            |                                                   |                                        |                                  |                                           | 1,265                                                          |                                                            |                                                                    |                                                                                |                                                                                | 1,265                                                                          |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | CTV-1         | HOLT RD  | 61+00, 32' LT |               |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | EC-3          | HOLT RD  | 61+00, 32' LT | 72+71, 51' RT |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | IC-6          | HOLT RD  | 61+00, 32' LT | 72+71, 51' RT |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | IC-5          | HOLT RD  | 72+56, 51' RT | 72+76, 46' RT |                                          | 40                          |                                                            |                                                   |                                        | 20                               |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | EC-1          | HOLT RD  | 72+62, 66' RT | 72+71, 51' RT |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | TC-1          | HOLT RD  | 72+62, 66' RT |               |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | IC-1          | HOLT RD  | 72+62, 66' RT | 72+71, 51' RT |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | IC-2          | HOLT RD  | 72+62, 66' RT | 72+71, 51' RT |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | IC-3          | HOLT RD  | 72+62, 66' RT | 72+71, 51' RT |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | IC-4          | HOLT RD  | 72+62, 66' RT | 72+71, 51' RT |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | EC-2          | HOLT RD  | 72+71, 51' RT | 72+76, 46' RT |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | SE U-1        | HOLT RD  | 72+76, 46' RT |               |                                          |                             |                                                            |                                                   | 1                                      |                                  |                                           | 150                                                            | 24                                                         | 1                                                                  |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 140                                                                                            | IC-4          | HOLT RD  | 72+76, 46' RT | 73+50, 41' RT |                                          |                             |                                                            |                                                   |                                        |                                  | 80                                        | 8                                                              |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| HOLT RD. BETWEEN STA. 73+50 AND 99+00                                                          |               |          |               |               |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 141                                                                                            | IC-1          | HOLT RD  | 73+50, 41' RT | 73+71, 32' RT |                                          |                             | 23                                                         |                                                   |                                        | 23                               |                                           | 23                                                             |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 141                                                                                            | IC-2          | HOLT RD  | 73+71, 32' RT | 74+35, 29' RT |                                          |                             |                                                            | 126                                               | 2                                      |                                  |                                           | 63                                                             |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 141                                                                                            | IC-3          | HOLT RD  | 74+35, 29' RT | 79+76, 33' RT |                                          |                             | 541                                                        |                                                   | 1                                      | 541                              |                                           | 541                                                            |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 141                                                                                            | IC-4          | HOLT RD  | 79+76, 33' RT | 80+85, 37' RT |                                          |                             |                                                            | 218                                               | 2                                      |                                  |                                           | 109                                                            |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 141                                                                                            | IC-5          | HOLT RD  | 80+85, 37' RT | 86+83, 32' RT |                                          |                             | 597                                                        |                                                   | 1                                      | 597                              |                                           | 597                                                            |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 141                                                                                            | IC-6          | HOLT RD  | 86+83, 32' RT | 88+29, 24' RT |                                          |                             |                                                            | 290                                               | 2                                      |                                  |                                           | 145                                                            |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 141                                                                                            | IC-7          | HOLT RD  | 88+29, 24' RT | 91+20, 33' RT |                                          |                             | 295                                                        |                                                   |                                        | 295                              |                                           | 295                                                            |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 141                                                                                            | IC-8          | HOLT RD  | 91+20, 33' RT | 91+68, 33' RT |                                          |                             |                                                            | 100                                               | 2                                      |                                  |                                           | 50                                                             |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 141                                                                                            | IC-9          | HOLT RD  | 91+68, 33' RT | 94+47, 35' RT |                                          |                             | 290                                                        |                                                   | 1                                      | 290                              |                                           | 290                                                            |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 141                                                                                            | IC-10         | HOLT RD  | 94+47, 35' RT | 96+83, 36' RT | 246                                      |                             |                                                            |                                                   |                                        |                                  |                                           | 246                                                            |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| 141                                                                                            | SE U-1        | HOLT RD  | 96+83, 36' RT |               |                                          |                             |                                                            |                                                   |                                        |                                  |                                           | 75                                                             |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |
| SHEET TOTAL                                                                                    |               |          |               |               | 258                                      | 54                          | 1,922                                                      | 734                                               | 13                                     | 1,949                            | 2                                         | 9,752                                                          | 36                                                         | 2                                                                  | 1                                                                              | 1                                                                              | 6,720                                                                          | 100                                           | 1                                              | 3                            | 4                                                                              | 1                                                      | 1                                                     | - |
| AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS. |               |          |               |               |                                          |                             |                                                            |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                              |                                                                                |                                                        |                                                       |   |

CIP: 54Q007-100006  
PID NUMBER: 82573

HOLT RD BTW STA. 6+00 & 97+00  
INTS SIG4785, 1104, 1107

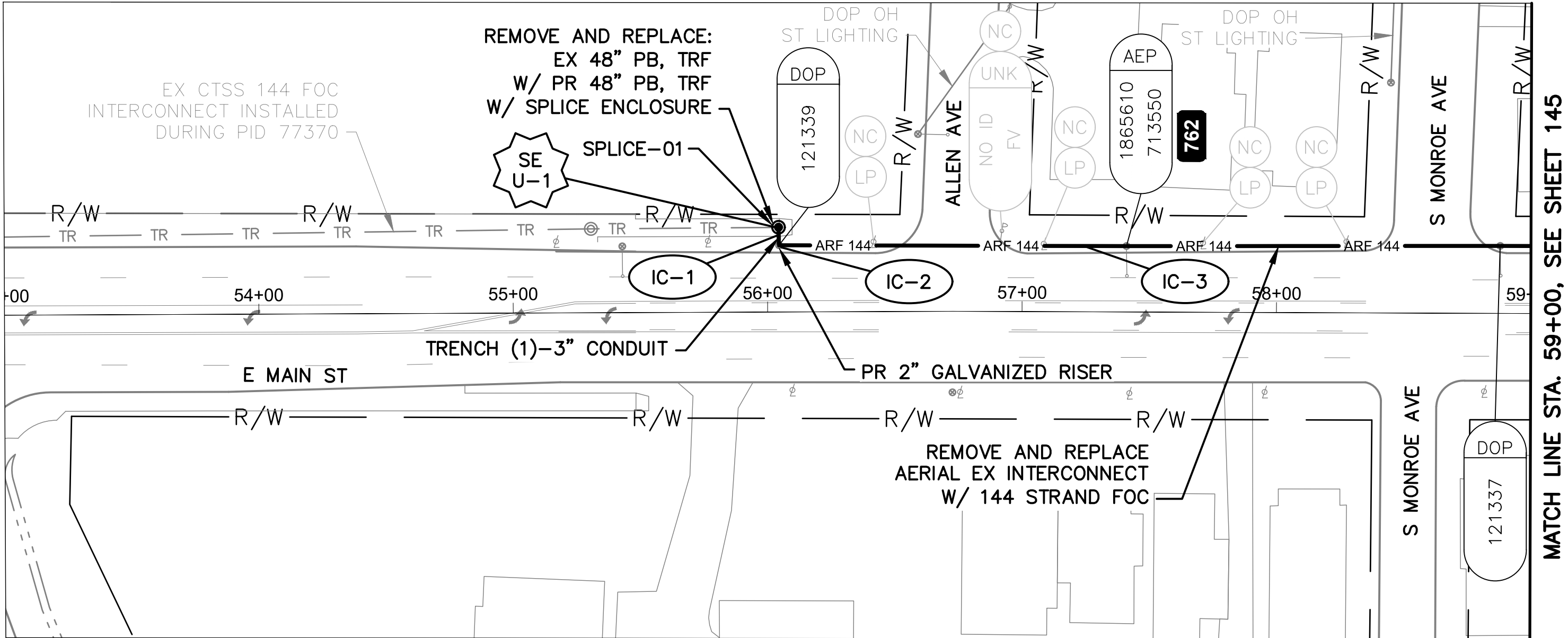
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

143  
1000

3150-E



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E MAIN ST BETWEEN STATION 53+00 AND 59+00

NOTES:

1. SEE SHEET 151 FOR QUANTITIES.
2. SEE SHEETS 680 & 910 FOR COMMUNICATION DETAILS.
3. 150' ADDITIONAL SLACK QUANTIFIED AT SPLICE LOCATION FOR FUTURE DoT USE.

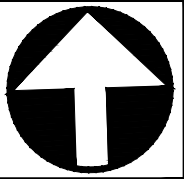
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  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



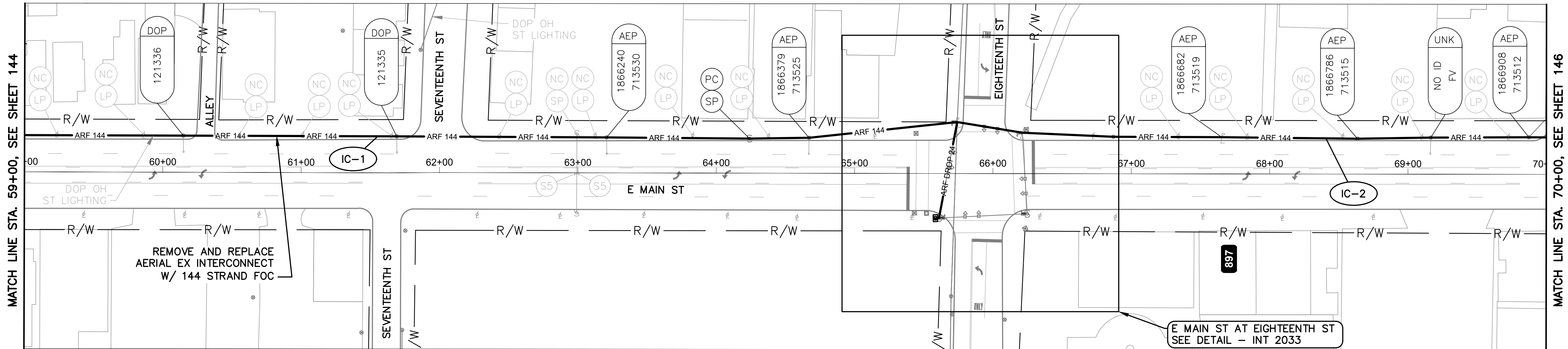
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PID NUMBER: 82573

INTERCONNECT PLAN  
E MAIN ST BETWEEN STA. 53+00 AND 59+00

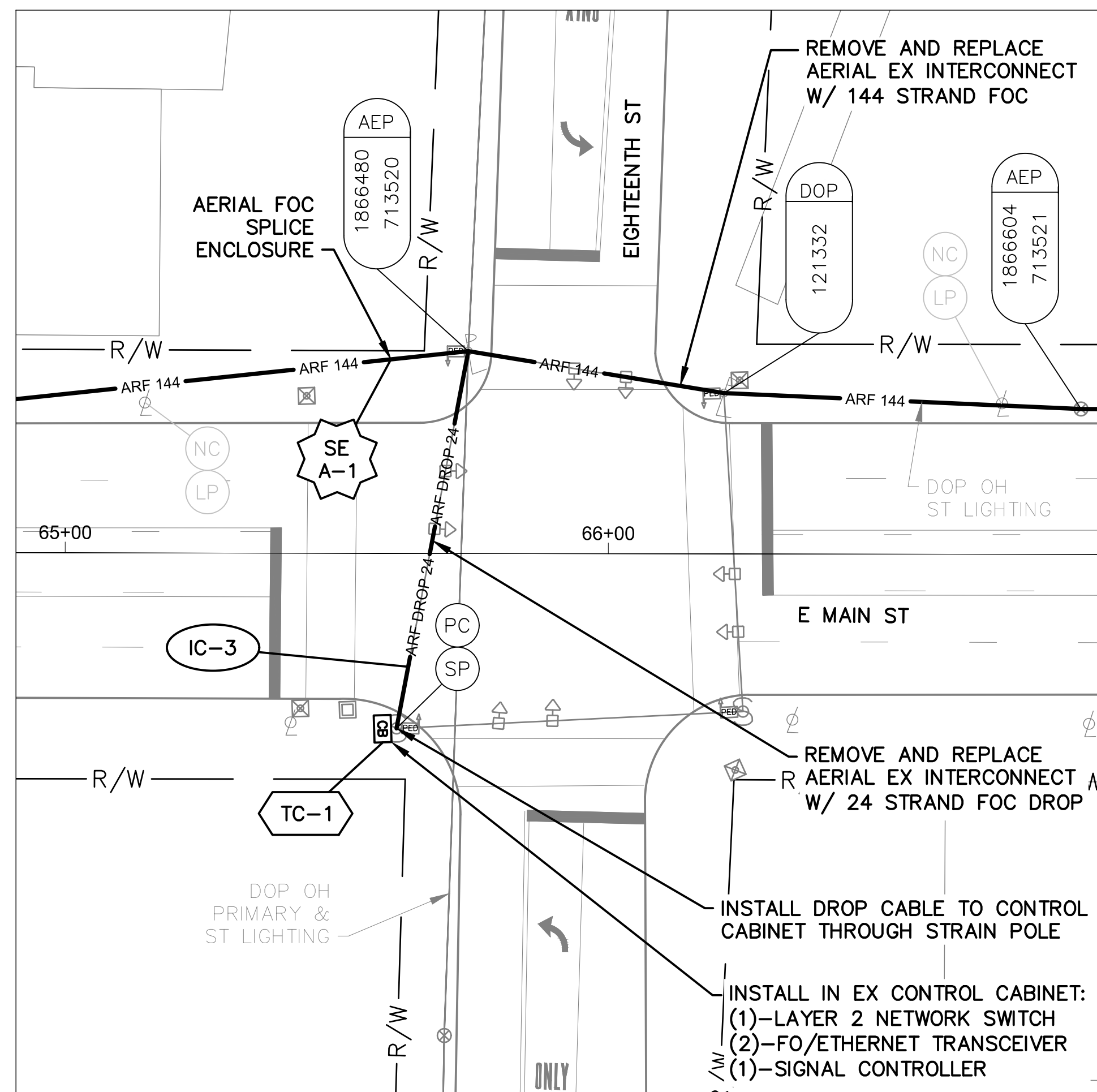
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



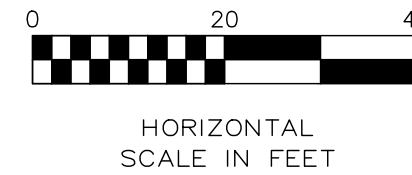
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E MAIN ST BETWEEN STATION 59+00 AND 70+00



DETAIL - INT 2033



NOTES:

1. SEE SHEET 151 FOR QUANTITIES.
2. SEE SHEETS 680 & 911 FOR COMMUNICATION DETAILS.



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|-------------------------------------|----------|
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| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E MAIN ST BETWEEN STA. 59+00 AND 70+00, INT 2033

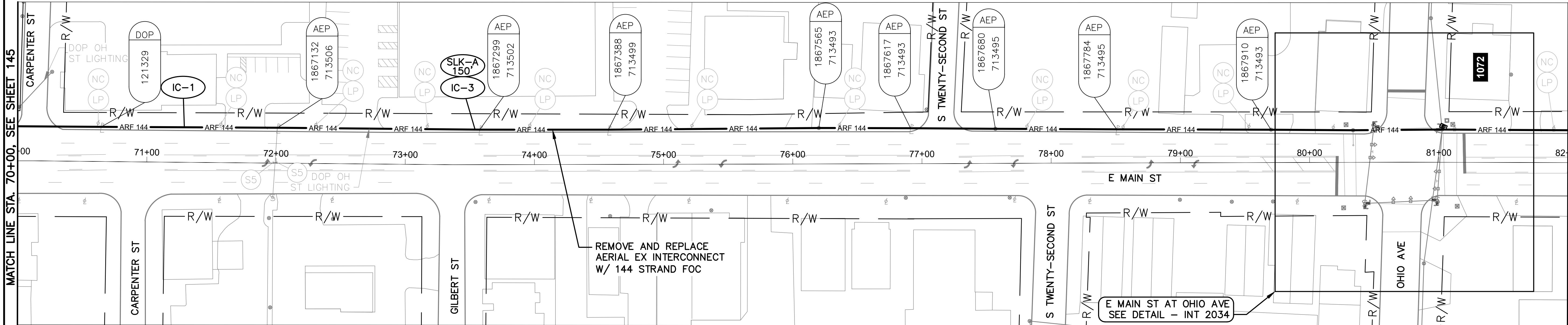
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

145  
1000

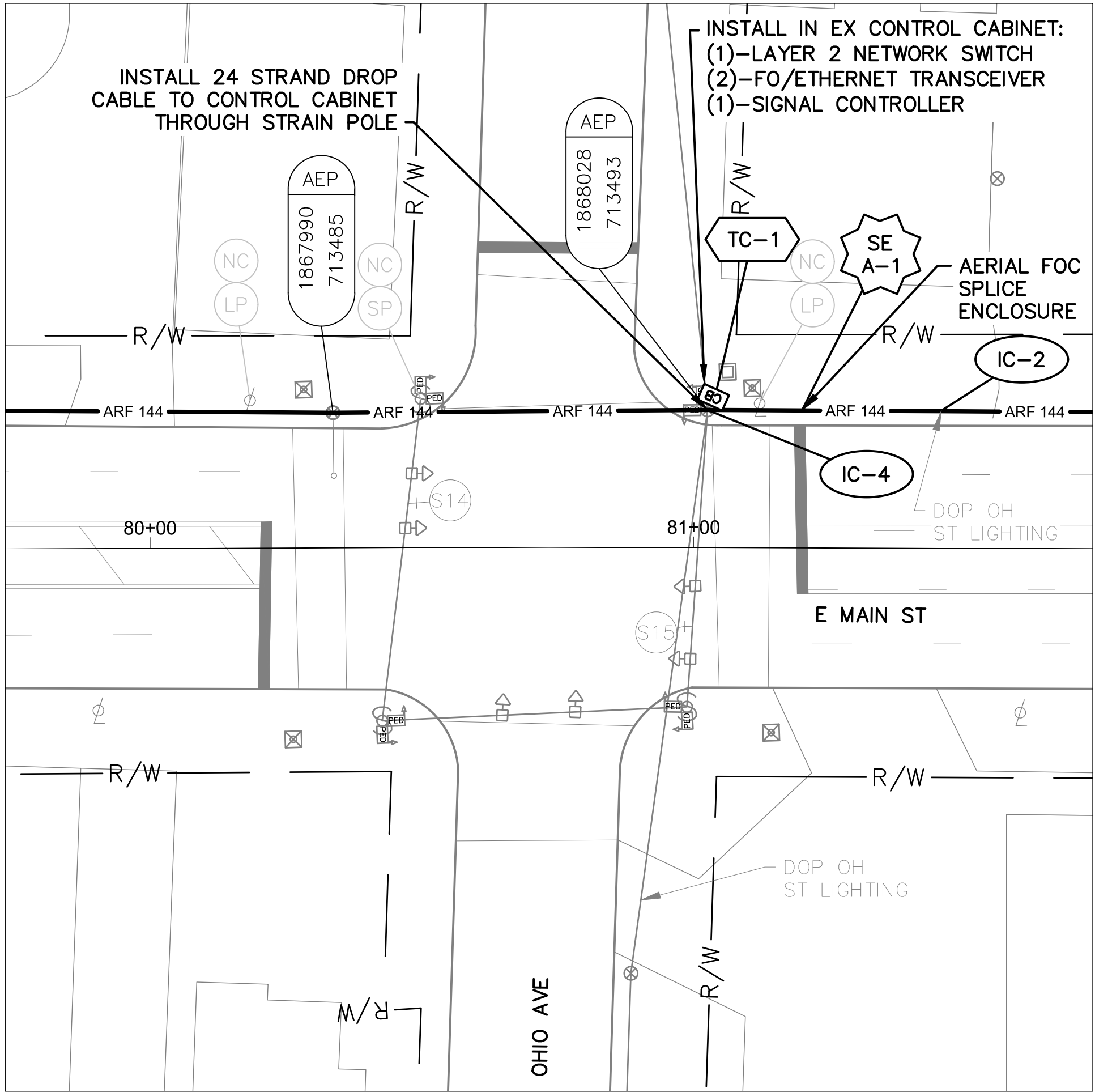
3150-E



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E MAIN ST BETWEEN STATION 70+00 AND 82+00

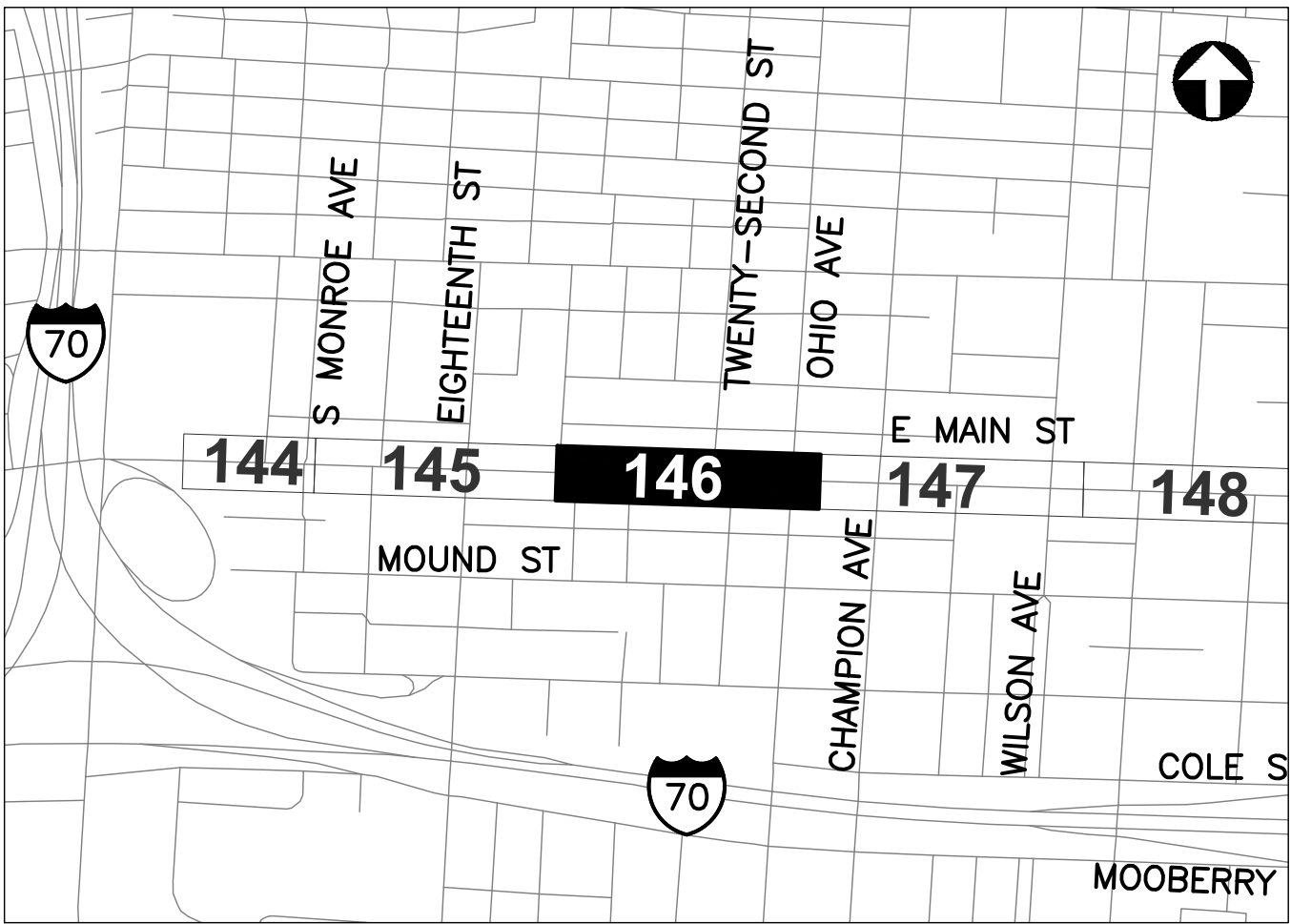


DETAIL - INT 2034

- NOTES:
- SEE SHEET 151 FOR QUANTITIES.
  - SEE SHEETS 680 & 912 FOR COMMUNICATION DETAILS.

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  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

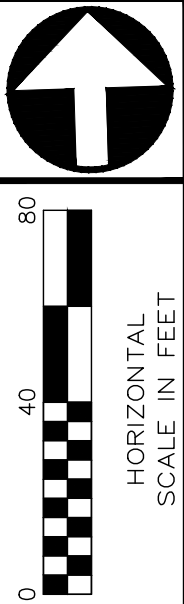
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

INTERCONNECT PLAN  
E MAIN ST BETWEEN STA. 70+00 AND 82+00, INT 2034

CIP: 540007-100006  
PID NUMBER: 82573

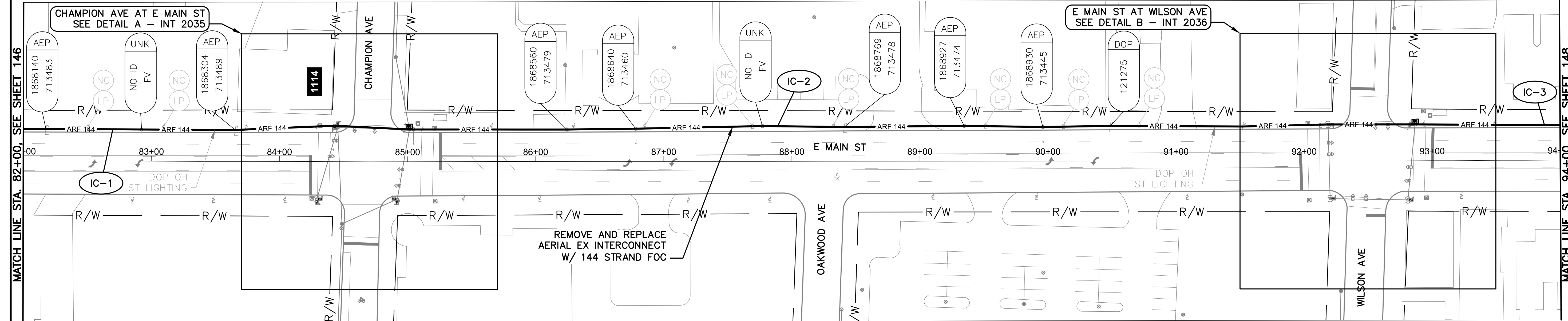
MATCH LINE STA. 82+00, SEE SHEET 147

MATCH LINE STA. 70+00, SEE SHEET 145

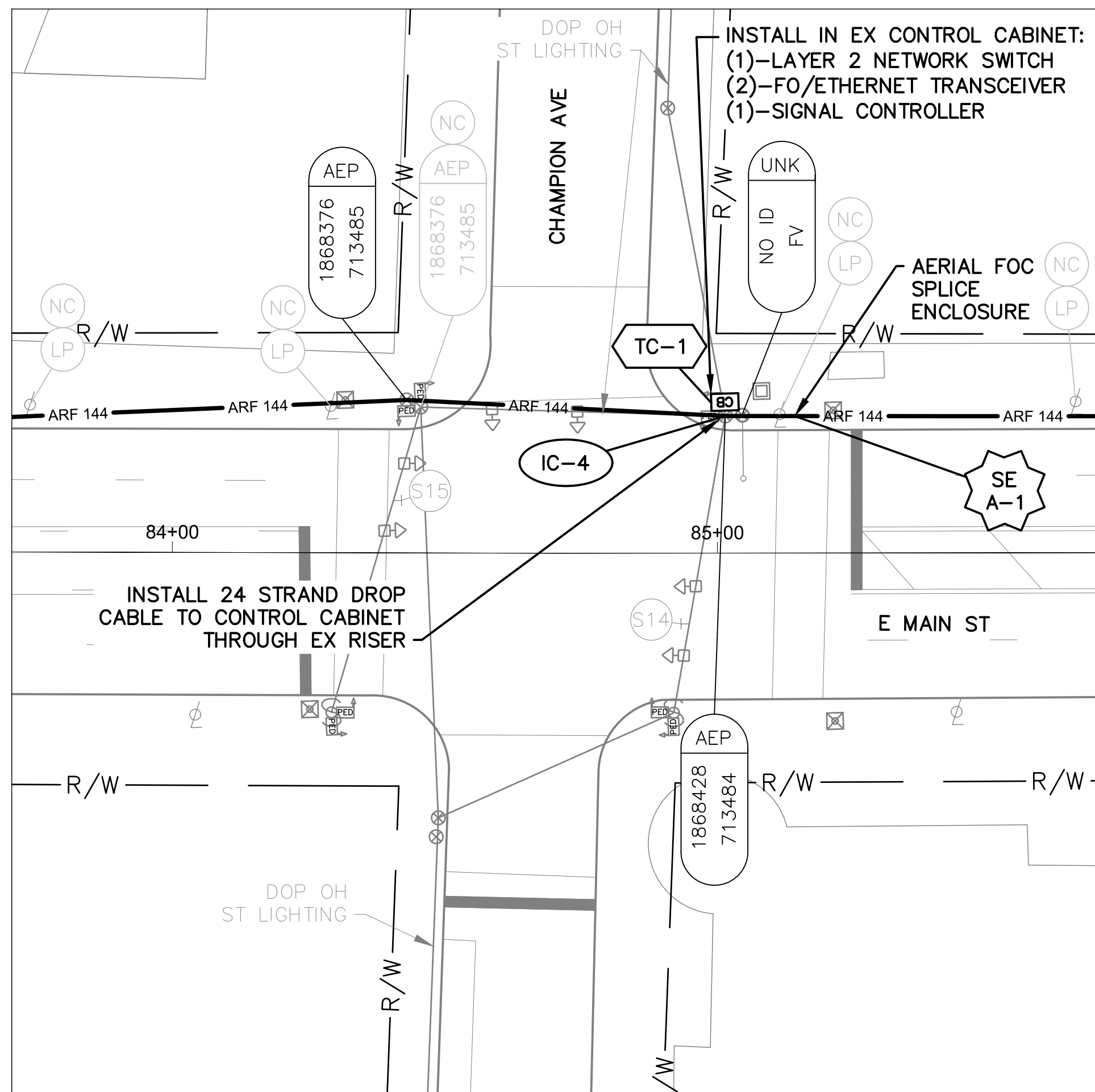




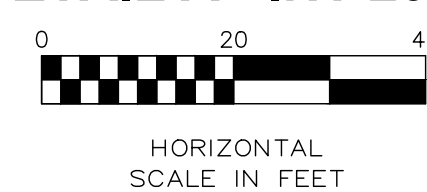
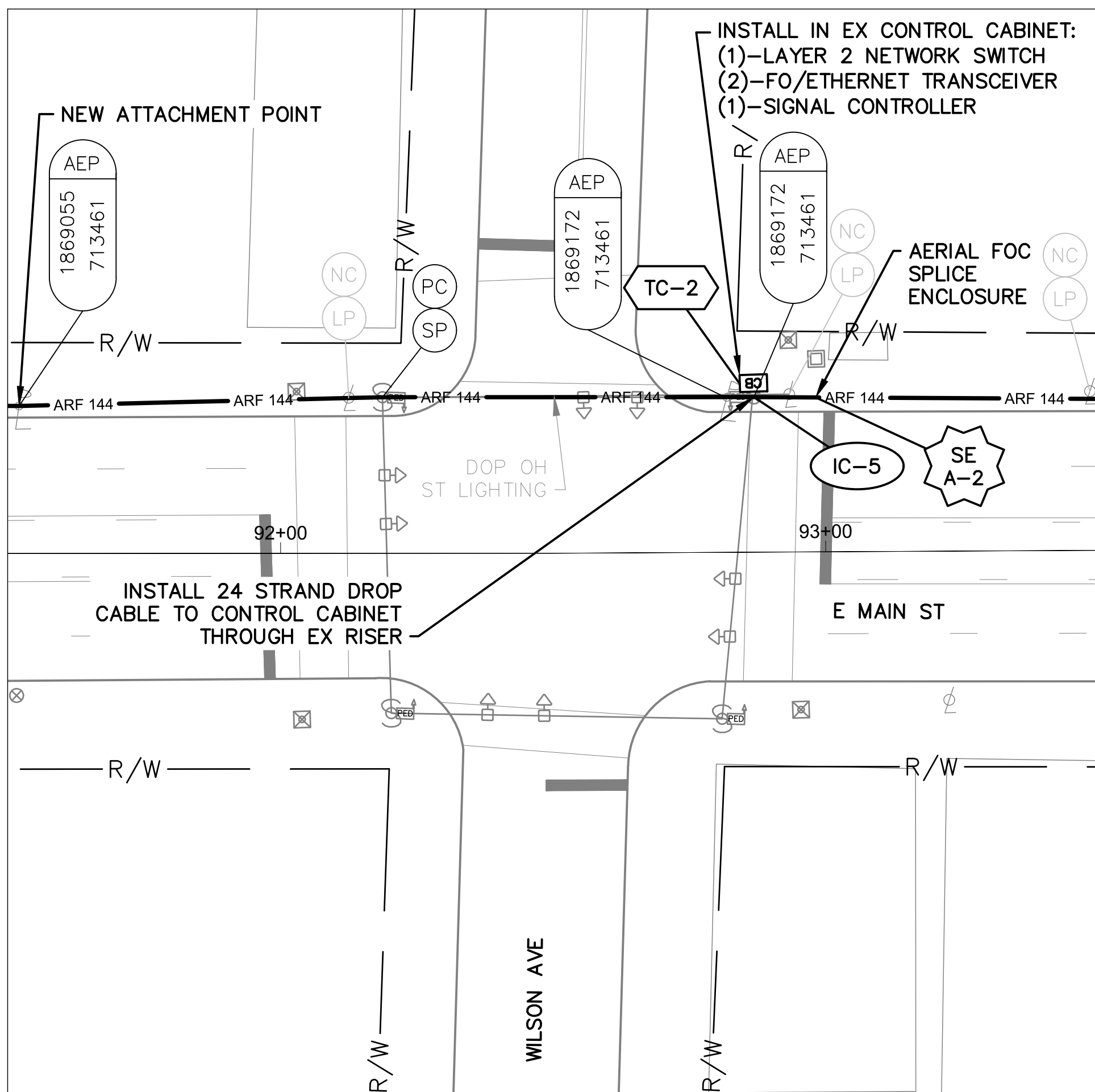
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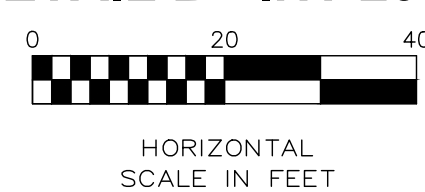
E MAIN ST BETWEEN STATION 82+00 AND 94+00



DETAIL A - INT 2035



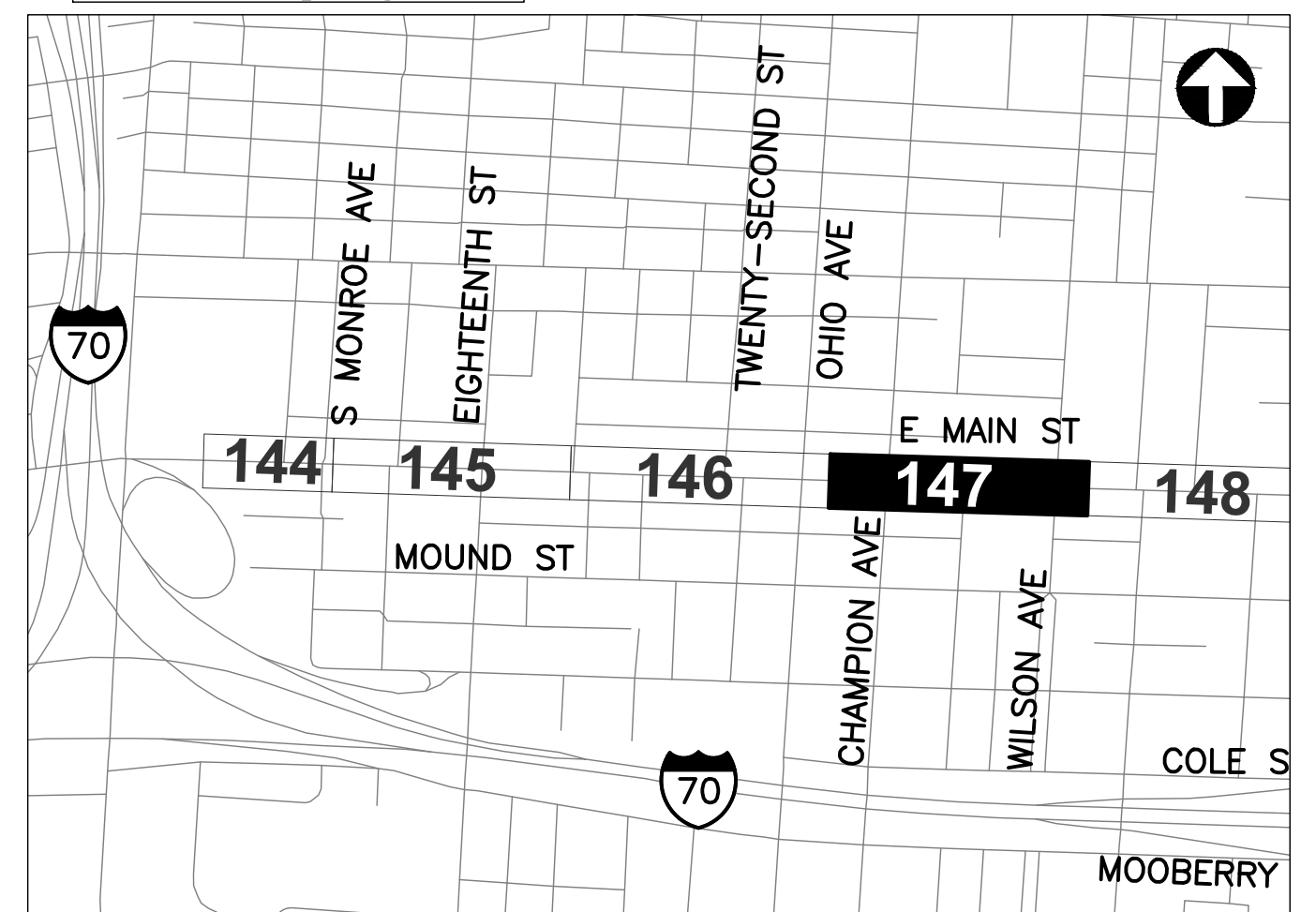
DETAIL B - INT 2036



- NOTES:**
1. SEE SHEET 151 FOR QUANTITIES.
  2. SEE SHEETS 680, 913, & 914 FOR COMMUNICATION DETAILS.

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  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE

0 40 80  
HORIZONTAL  
SCALE IN FEET

INTERCONNECT PLAN

E MAIN ST BETWEEN STA. 82+00 AND 94+00, INTS 2035 & 2036

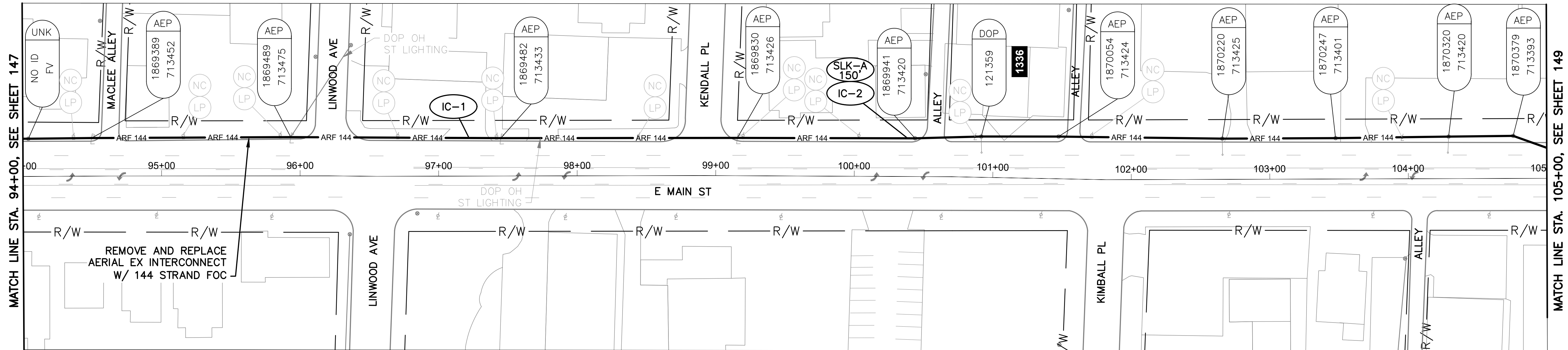
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

147  
1000

3150-E



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk2\_MAIN\_INTERCONNECT.dwg -- MAIN-5 layout -- last saved by: gburch 11/06/2018 09:04am ~ printed: 03/18/2020 05:13pm

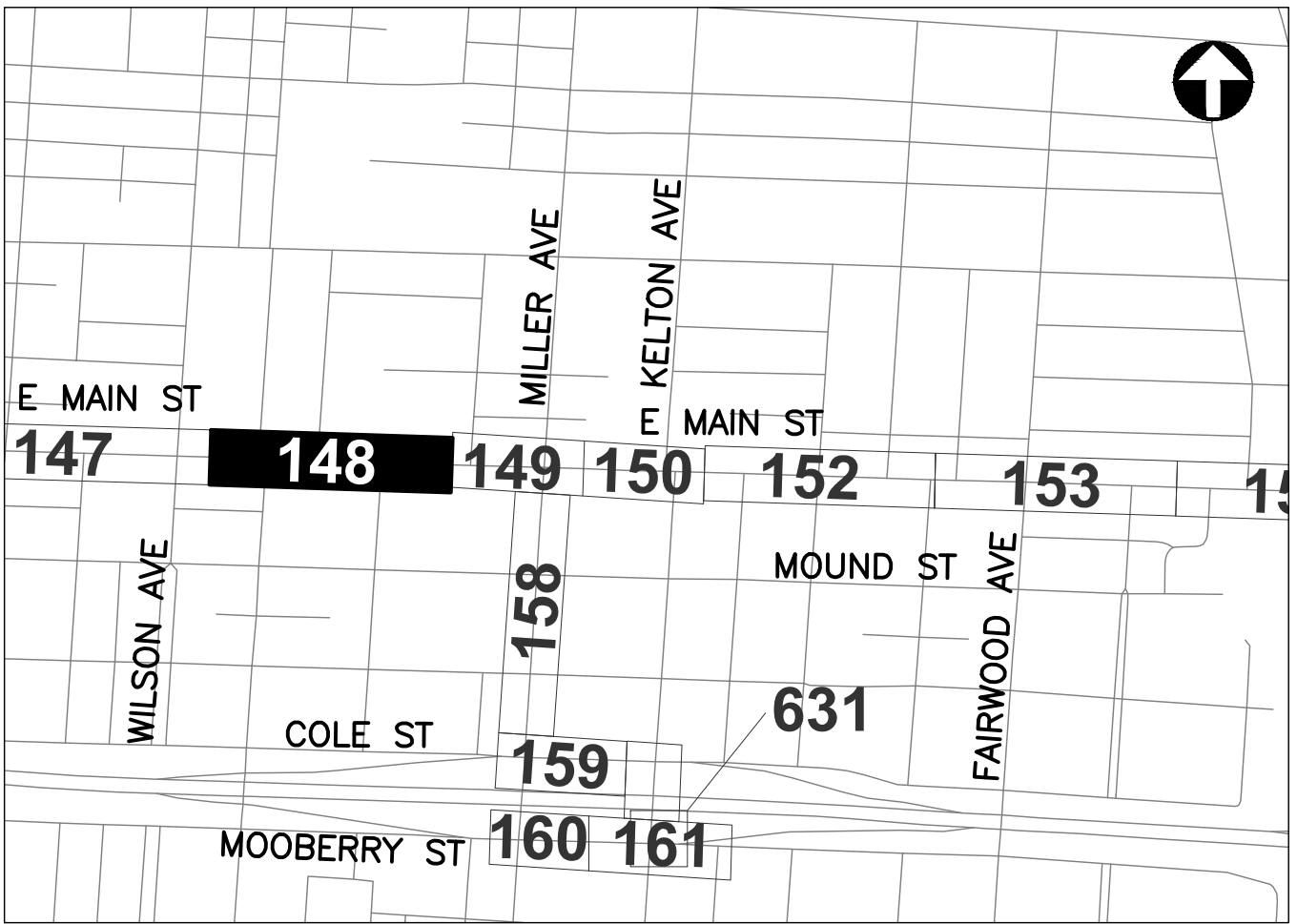


E MAIN ST BETWEEN STATION 94+00 AND 105+00

- NOTES:**
1. SEE SHEET 151 FOR QUANTITIES.
  2. SEE SHEET 680 FOR COMMUNICATION DETAILS.



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UTILITY LEGEND**
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  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

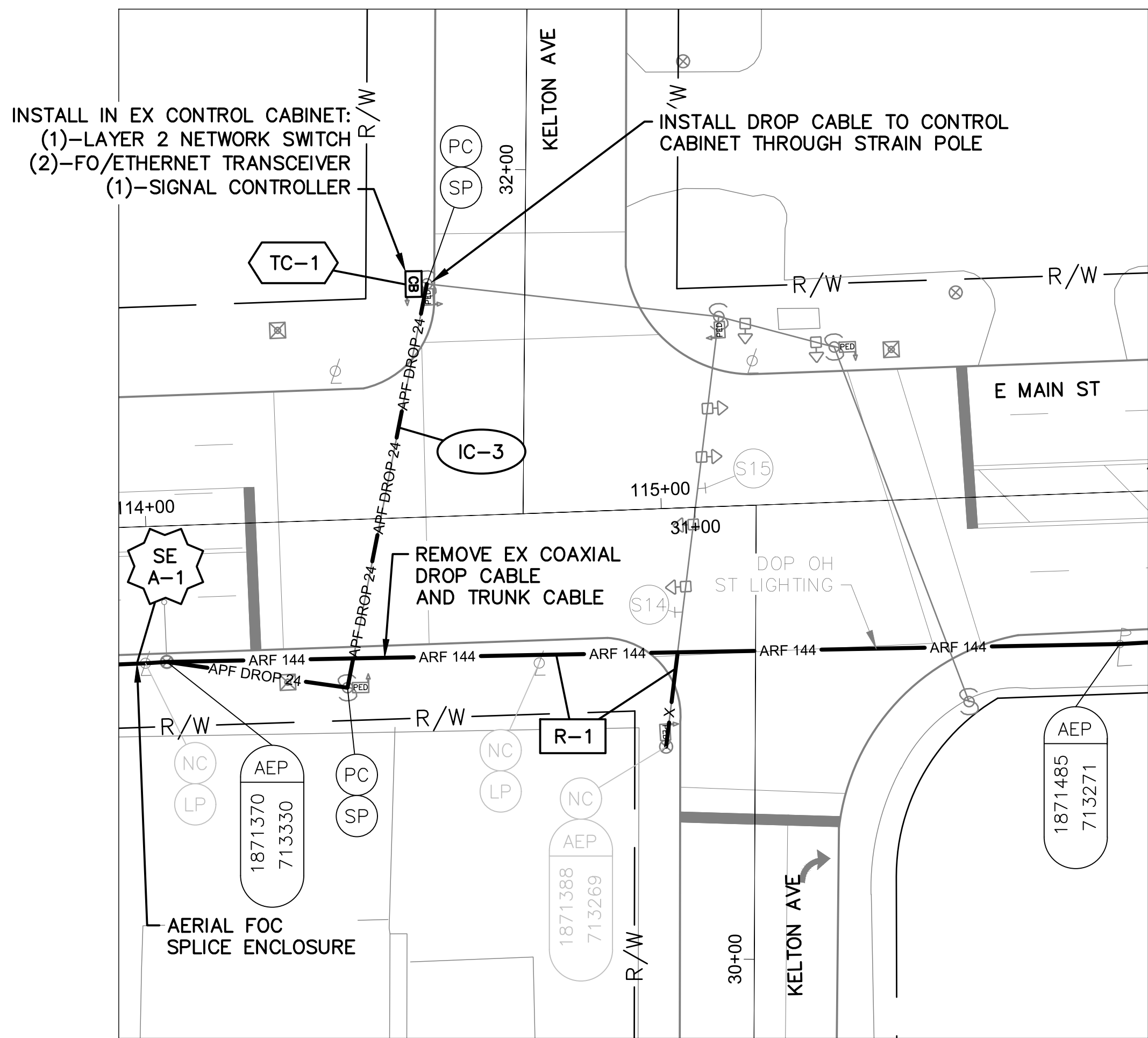
**KEY PLAN**  
NOT TO SCALE



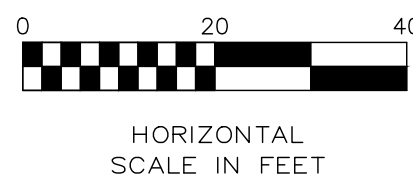
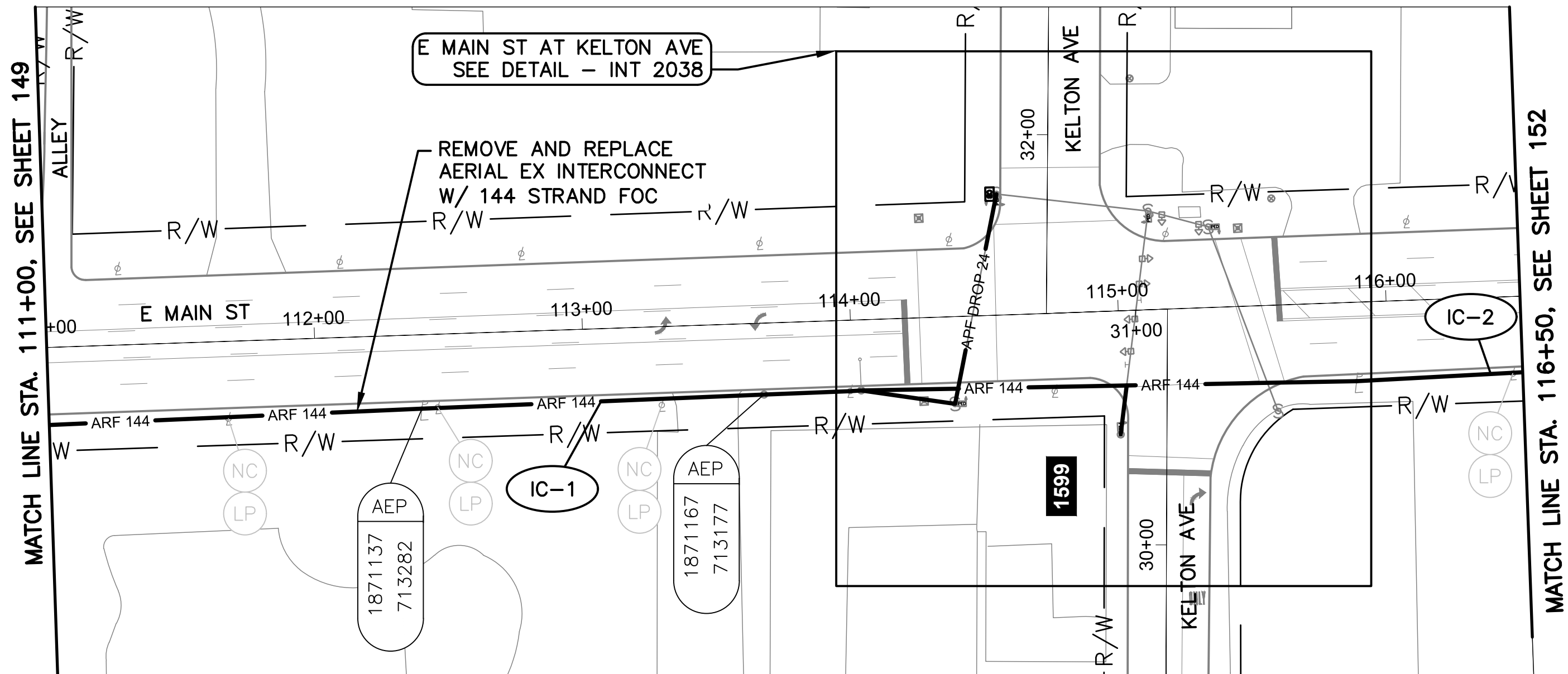




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DETAIL - INT 2038



E MAIN ST BETWEEN STATION 111+00 AND 116+50

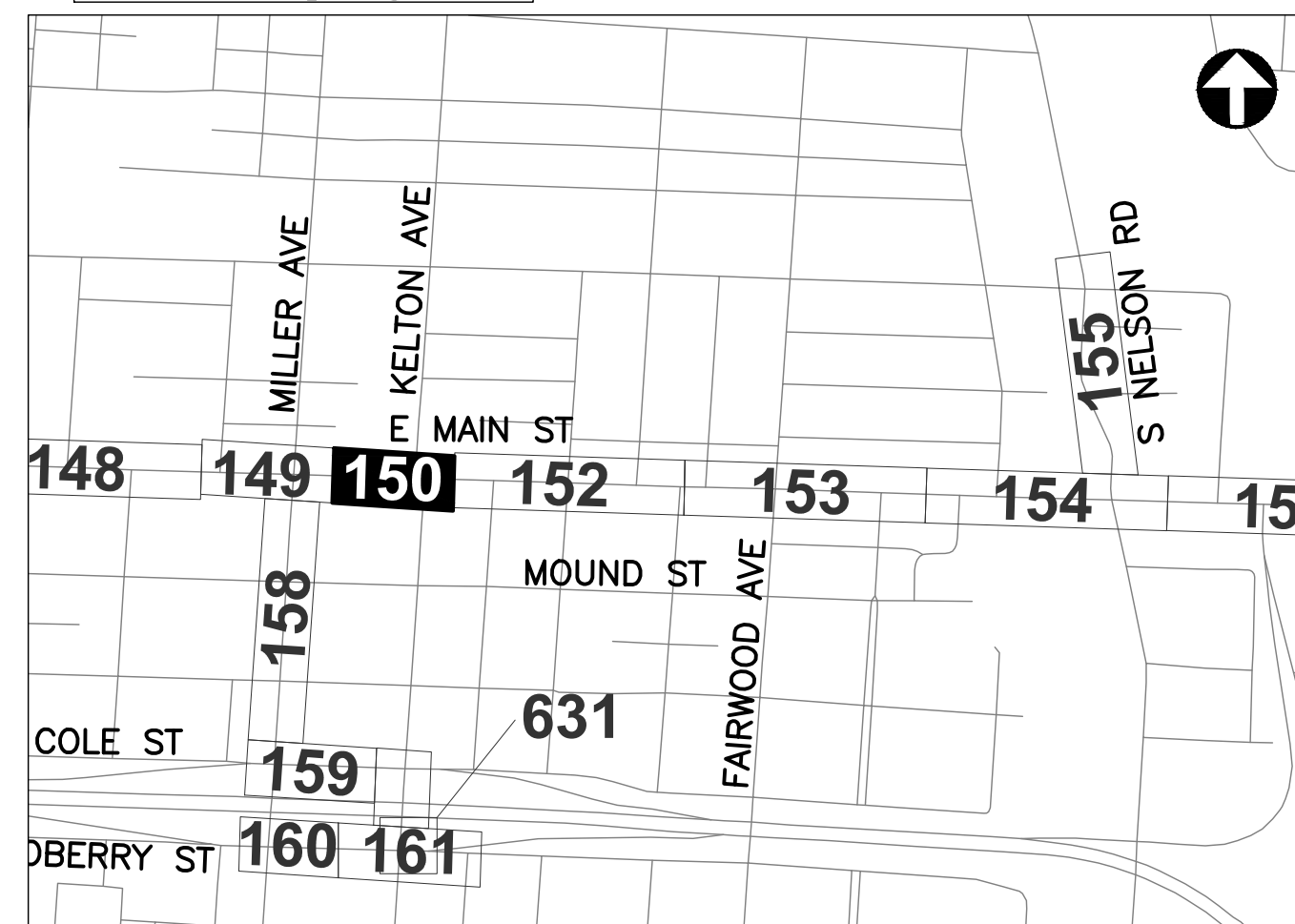
NOTES:

1. SEE SHEET 151 FOR QUANTITIES.
2. SEE SHEETS 680 & 916 FOR COMMUNICATION DETAILS.



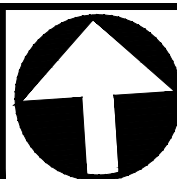
CITY OF COLUMBUS  
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E MAIN ST BETWEEN STA. 111+00 AND 116+50, INT 2038

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

150  
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| ESTIMATED QUANTITIES                                   |               |            |                |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
|--------------------------------------------------------|---------------|------------|----------------|----------------|------------------------------------------|----------------------------------|----------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------|---|---|---|---|---|
| SHEET NO.                                              | REFERENCE NO. | LOCATION   | STATION        |                | 202                                      | 625                              | 632                                                            | 632                                                        | 632                                                                       | 632                                                                | 632                                                                            | 632                                                                            | 632                                                                            | 632                                                     | 632                                   | 633                                                                            | 633                                                   | 633                                                                   |   |   |   |   |   |
|                                                        |               |            |                |                | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | BRACKET ARM, 30', AS<br>PER PLAN | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE | MESSANGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | SIGNALIZATION, MISC.:<br>CAT 5E CABLE, OUTDOOR<br>RATED | SPREAD SPECTRUM<br>RADIO, AS PER PLAN | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCIEVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN |   |   |   |   |   |
|                                                        |               |            | FROM           | TO             | FT                                       | EACH                             | FT                                                             | EACH                                                       | FT                                                                        | EACH                                                               | EACH                                                                           | EACH                                                                           | FT                                                                             | FT                                                      | EACH                                  | EACH                                                                           | EACH                                                  | EACH                                                                  |   |   |   |   |   |
| E MAIN ST. BETWEEN STA. 53+00 AND 59+00, INT SPLICE-01 |               |            |                |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 144                                                    | IC-1          | MAIN ST    | 56+04, 26' LT  | 56+05, 33' LT  | 7                                        |                                  | 7                                                              |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 144                                                    | IC-2          | MAIN ST    | 56+04, 26' LT  |                |                                          |                                  | 35                                                             |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 144                                                    | IC-3          | MAIN ST    | 56+04, 26' LT  | 59+00, 27' LT  |                                          |                                  | 300                                                            |                                                            | 296                                                                       |                                                                    |                                                                                |                                                                                | 300                                                                            |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 144                                                    | SE U-1        | MAIN ST    | 56+05, 33' LT  |                |                                          |                                  | 225                                                            | 144                                                        |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| E MAIN ST. BETWEEN STA. 59+00 AND 70+00, INT 2033      |               |            |                |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 145                                                    | IC-1          | MAIN ST    | 59+00, 27' LT  | 65+74, 37' LT  |                                          |                                  | 685                                                            |                                                            | 675                                                                       |                                                                    |                                                                                |                                                                                | 685                                                                            |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 145                                                    | IC-3          | MAIN ST    | 65+61, 32' RT  | 65+74, 37' LT  |                                          |                                  |                                                                |                                                            | 71                                                                        |                                                                    | 1                                                                              |                                                                                | 72                                                                             |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 145                                                    | TC-1          | MAIN ST    | 65+61, 32' RT  |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       | 2                                                                              | 1                                                     | 1                                                                     |   |   |   |   |   |
| 145                                                    | SE A-1        | MAIN ST    | 65+00, 37' LT  |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 145                                                    | IC-2          | MAIN ST    | 65+00, 37' LT  | 70+00, 27' LT  |                                          |                                  |                                                                |                                                            | 4                                                                         |                                                                    |                                                                                |                                                                                | 433                                                                            |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| E MAIN ST. BETWEEN STA. 70+00 AND 82+00, INT 2034      |               |            |                |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 146                                                    | IC-1          | MAIN ST    | 70+00, 27' LT  | 81+12, 25' LT  |                                          |                                  | 1,130                                                          |                                                            | 1,113                                                                     |                                                                    |                                                                                |                                                                                | 1,130                                                                          |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 146                                                    | IC-3          | MAIN ST    | 73+60, 27' LT  |                |                                          |                                  | 150                                                            |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 146                                                    | IC-4          | MAIN ST    | 81+02, 25' LT  | 81+12, 25' LT  |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    | 1                                                                              |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 146                                                    | TC-1          | MAIN ST    | 81+02, 25' LT  |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       | 2                                                                              |                                                       |                                                                       |   |   |   |   |   |
| 146                                                    | IC-2          | MAIN ST    | 81+02, 25' LT  | 81+00, 25' LT  |                                          |                                  |                                                                |                                                            | 87                                                                        |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 146                                                    | SE A-1        | MAIN ST    | 81+12, 25' LT  |                |                                          |                                  | 150                                                            | 24                                                         |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| E MAIN ST. BETWEEN STA. 82+00 AND 94+00, INT 2035      |               |            |                |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 147                                                    | IC-1          | MAIN ST    | 82+00, 25' LT  | 85+11, 25' LT  |                                          |                                  | 6                                                              |                                                            | 311                                                                       |                                                                    |                                                                                |                                                                                | 3                                                                              |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 147                                                    | SE A-1        | MAIN ST    | 85+01, 25' LT  |                |                                          |                                  | 50                                                             | 24                                                         |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 147                                                    | IC-4          | MAIN ST    | 85+01, 25' LT  | 85+11, 25' LT  |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 147                                                    | TC-1          | MAIN ST    | 85+01, 25' LT  |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       | 2                                                                              | 1                                                     | 1                                                                     |   |   |   |   |   |
| 147                                                    | IC-2          | MAIN ST    | 85+11, 25' LT  | 92+96, 28' LT  |                                          |                                  | 797                                                            |                                                            | 785                                                                       |                                                                    |                                                                                |                                                                                | 797                                                                            |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 147                                                    | SE A-2        | MAIN ST    | 92+96, 28' LT  |                |                                          |                                  | 50                                                             | 24                                                         |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 147                                                    | IC-5          | MAIN ST    | 92+96, 28' LT  | 92+96, 28' LT  |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    | 1                                                                              |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 147                                                    | TC-2          | MAIN ST    | 92+96, 28' LT  |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 147                                                    | IC-3          | MAIN ST    | 92+96, 28' LT  | 94+00, 27' LT  |                                          |                                  | 105                                                            |                                                            | 103                                                                       |                                                                    |                                                                                |                                                                                | 105                                                                            |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| E MAIN ST. BETWEEN STA. 94+00 AND 105+00               |               |            |                |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 148                                                    | IC-1          | MAIN ST    | 94+00, 27' LT  | 105+00, 27' LT |                                          |                                  | 1,117                                                          |                                                            | 1,117                                                                     |                                                                    |                                                                                |                                                                                | 1,117                                                                          |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 148                                                    | IC-2          | MAIN ST    | 105+00, 27' LT |                |                                          |                                  | 150                                                            |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| E MAIN ST. BETWEEN STA. 105+00 AND 111+00, INT 2037    |               |            |                |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 149                                                    | IC-1          | MAIN ST    | 105+00, 22' LT | 109+45, 28' RT |                                          |                                  | 464                                                            |                                                            | 457                                                                       |                                                                    |                                                                                |                                                                                | 464                                                                            |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 149                                                    | TC-1          | MAIN ST    | 109+04, 39' RT |                |                                          | 1                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                | 45                                                      |                                       | 2                                                                              | 1                                                     | 1                                                                     |   |   |   |   |   |
| 149                                                    | IC-4          | MAIN ST    | 109+04, 39' RT | 109+45, 28' RT |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    | 2                                                                              |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 149                                                    | EC-1          | MAIN ST    | 109+04, 39' RT | 109+27, 53' RT |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                | 26                                                      |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 149                                                    | WR-1          | MAIN ST    | 109+27, 53' RT |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         | 1                                     |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 149                                                    | IC-3          | MILLER AVE | 29+50, 16' RT  | 30+41, 26' RT  |                                          |                                  | 92                                                             |                                                            | 92                                                                        |                                                                    |                                                                                |                                                                                | 92                                                                             |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 149                                                    | SE A-1        | MAIN ST    | 109+45, 28' RT |                |                                          |                                  | 225                                                            | 228                                                        |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 149                                                    | IC-2          | MAIN ST    | 109+45, 28' RT | 111+00, 29' RT |                                          |                                  | 156                                                            |                                                            | 154                                                                       |                                                                    |                                                                                |                                                                                | 156                                                                            |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| E MAIN ST. BETWEEN STA. 111+00 AND 116+50, INT 2038    |               |            |                |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 150                                                    | IC-1          | MAIN ST    | 111+00, 29' RT | 114+03, 26' RT |                                          |                                  | 308                                                            |                                                            | 303                                                                       |                                                                    |                                                                                |                                                                                | 308                                                                            |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 150                                                    | IC-3          | MAIN ST    | 114+03, 26' RT | 114+56, 45' LT |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                | 1                                                                              | 115                                                                            |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 150                                                    | SE A-1        | MAIN ST    | 114+03, 26' RT |                |                                          |                                  | 150                                                            | 24                                                         |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 150                                                    | IC-2          | MAIN ST    | 114+03, 26' RT | 116+50, 28' RT |                                          |                                  | 251                                                            |                                                            | 247                                                                       |                                                                    |                                                                                |                                                                                | 251                                                                            |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 150                                                    | R-1           | MAIN ST    | 114+38, 27' RT | 114+99, 46' RT |                                          |                                  |                                                                |                                                            | 81                                                                        |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       |                                                                                |                                                       |                                                                       |   |   |   |   |   |
| 150                                                    | TC-1          | MAIN ST    | 114+56, 45' LT |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                         |                                       | 2                                                                              | 1                                                     | 1                                                                     |   |   |   |   |   |
| SHEET TOTAL                                            |               |            |                |                | 7                                        | 1                                | 7,784                                                          | 492                                                        | 6,302                                                                     | 7                                                                  | 6                                                                              | 1                                                                              | 6,429                                                                          | 71                                                      | 1                                     | 12                                                                             | 6                                                     | 6                                                                     | - | - | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
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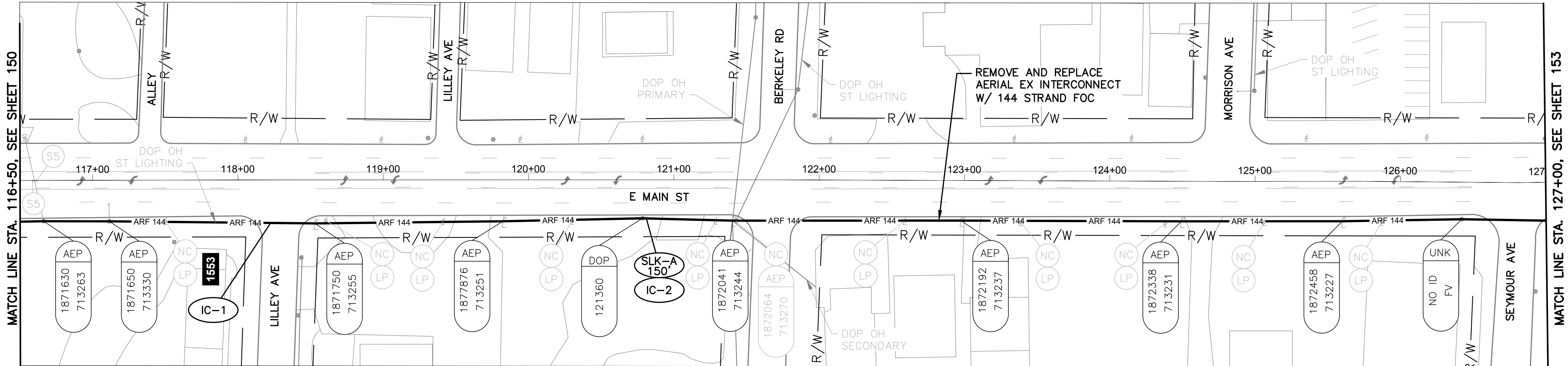
MAIN ST BTW STA. 53+00 & 116+50  
INTS 2033, 2034, 2035, 2036, 2037, 2038

CIP: 540007-100006  
PID NUMBER: 825773

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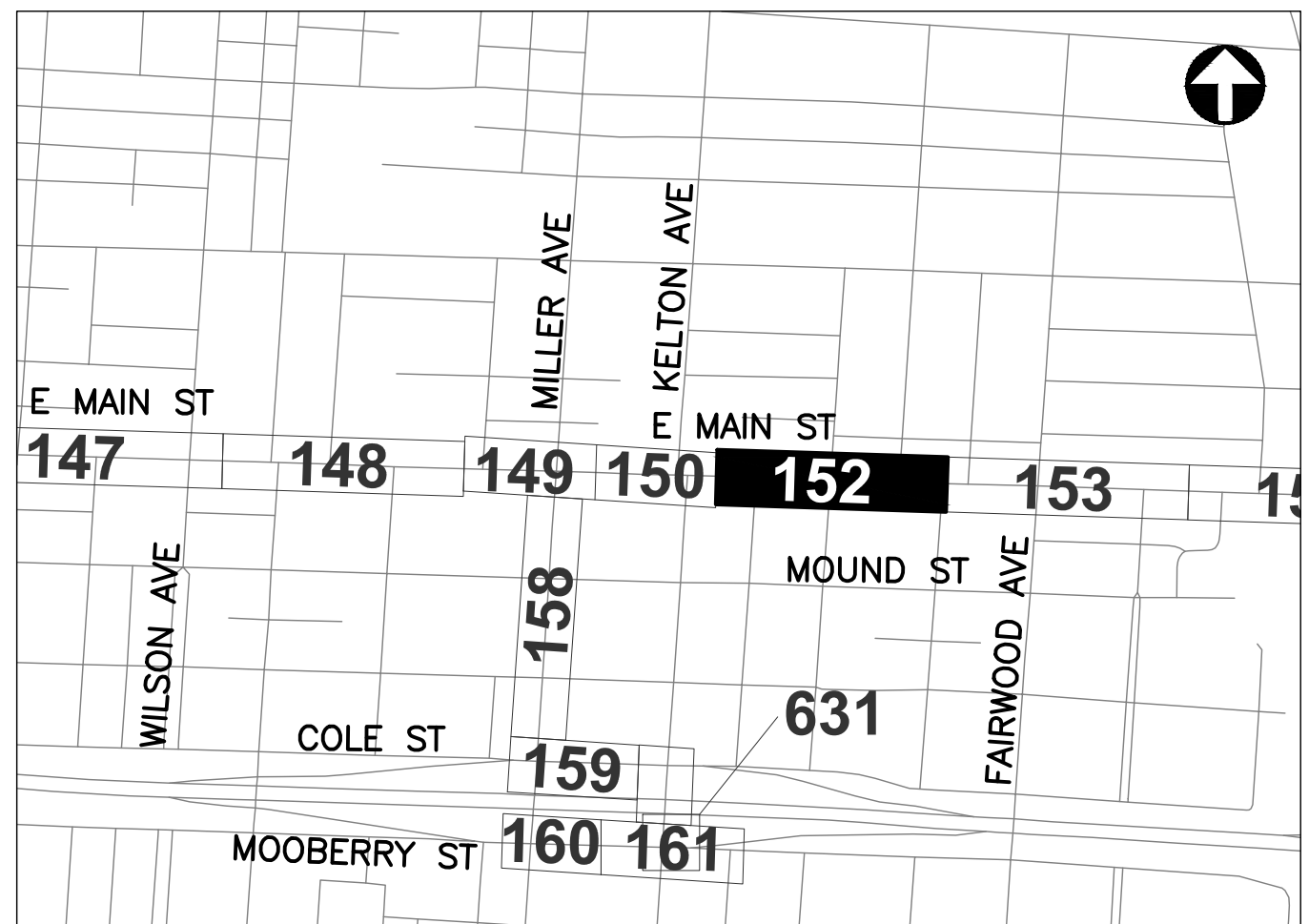
E MAIN ST BETWEEN STATION 116+50 AND 127+00

NOTES:

1. SEE SHEET 157 FOR QUANTITIES.
2. SEE SHEET 680 FOR COMMUNICATION DETAILS.



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  - ☒ LIGHTING

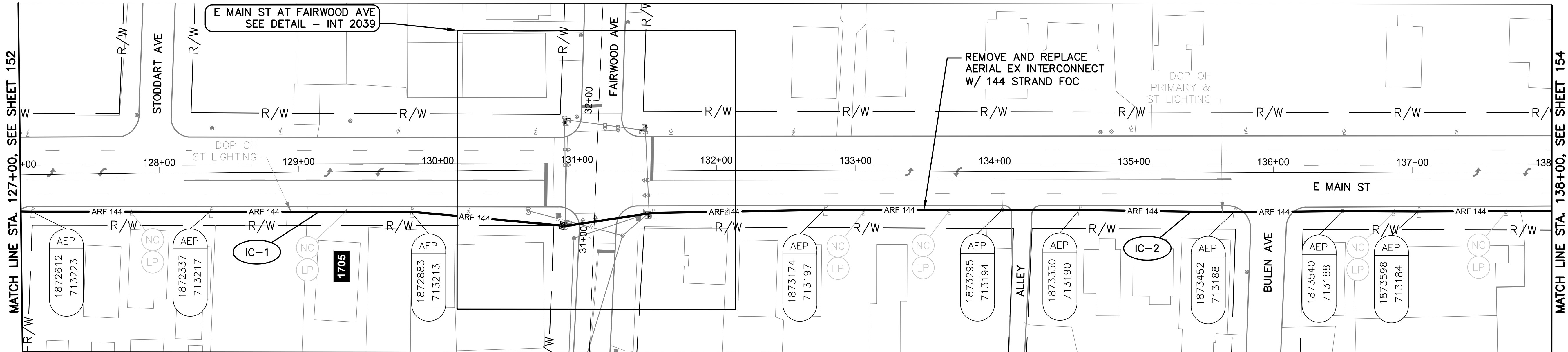


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

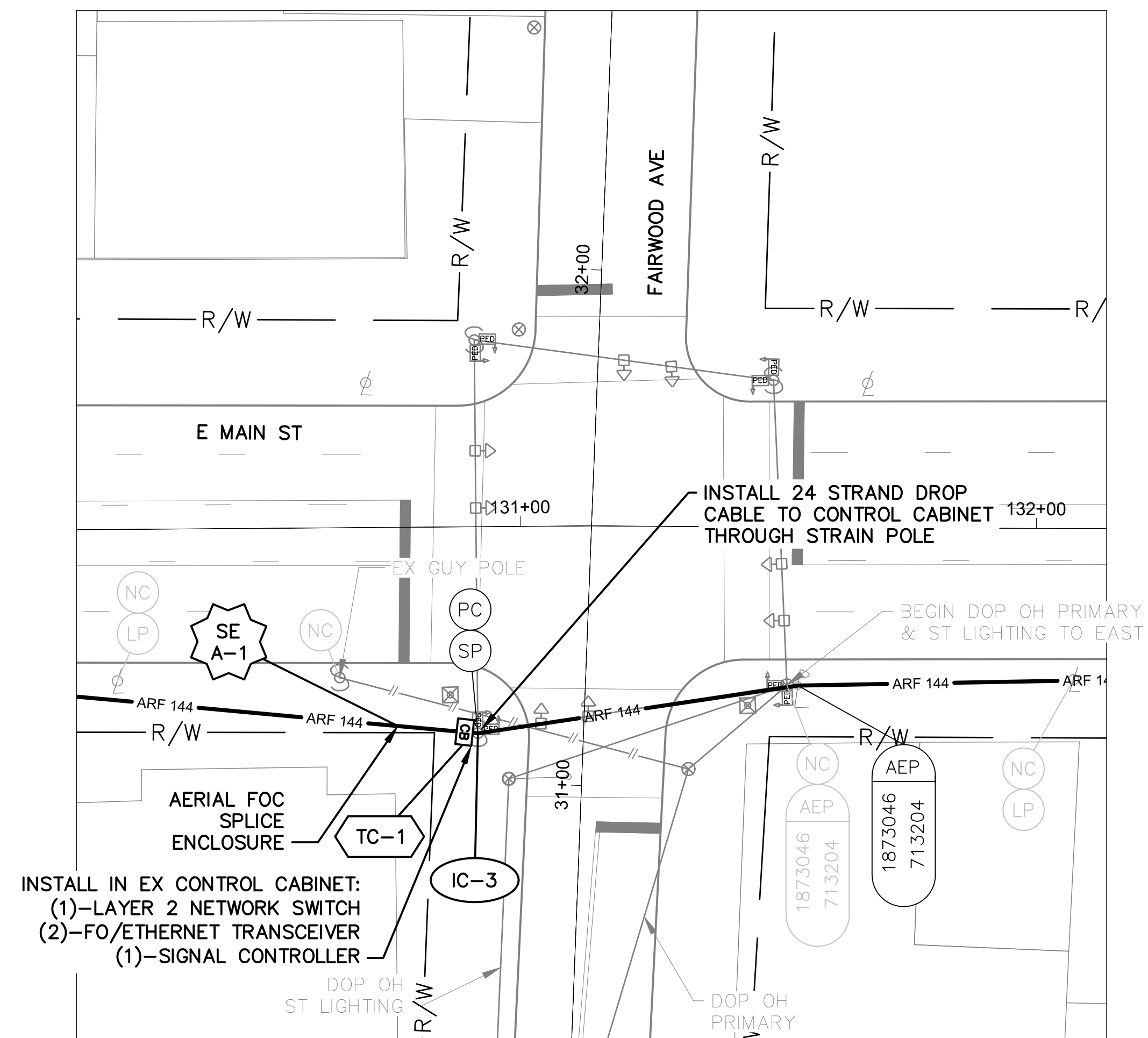
KEY PLAN  
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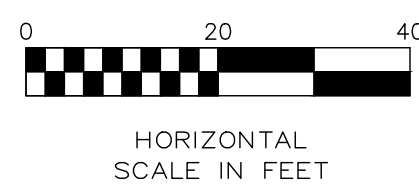
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E MAIN ST BETWEEN STATION 127+00 AND 138+00



DETAIL - INT 2039

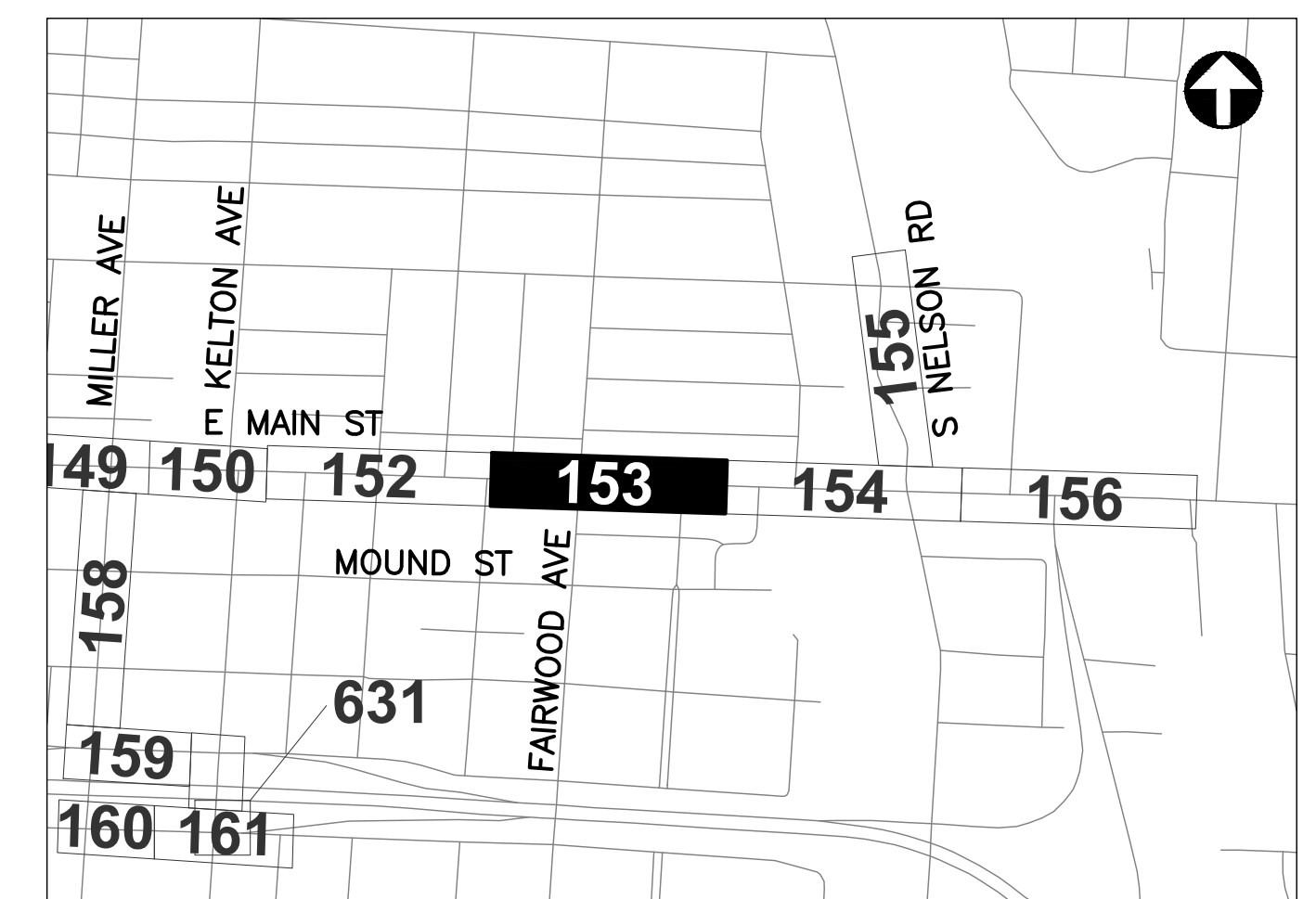


NOTES:

1. SEE SHEET 157 FOR QUANTITIES.
2. SEE SHEETS 680 & 917 FOR COMMUNICATION DETAILS.

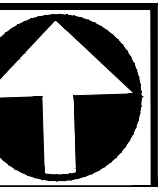


| CITY OF COLUMBUS UTILITY LEGEND     |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E MAIN ST BETWEEN STA. 127+00 AND 138+00, INT 2039

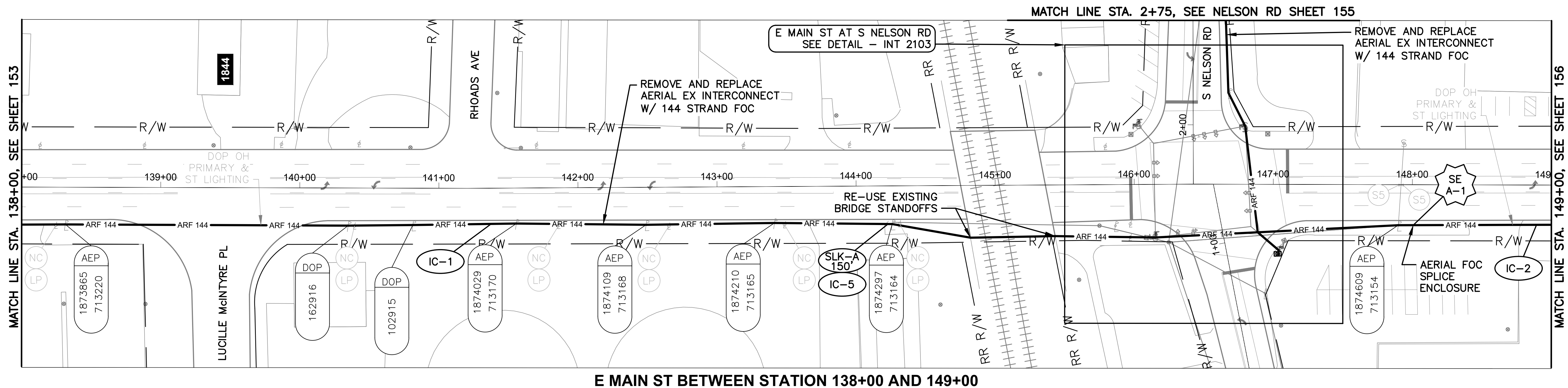
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

153  
1000

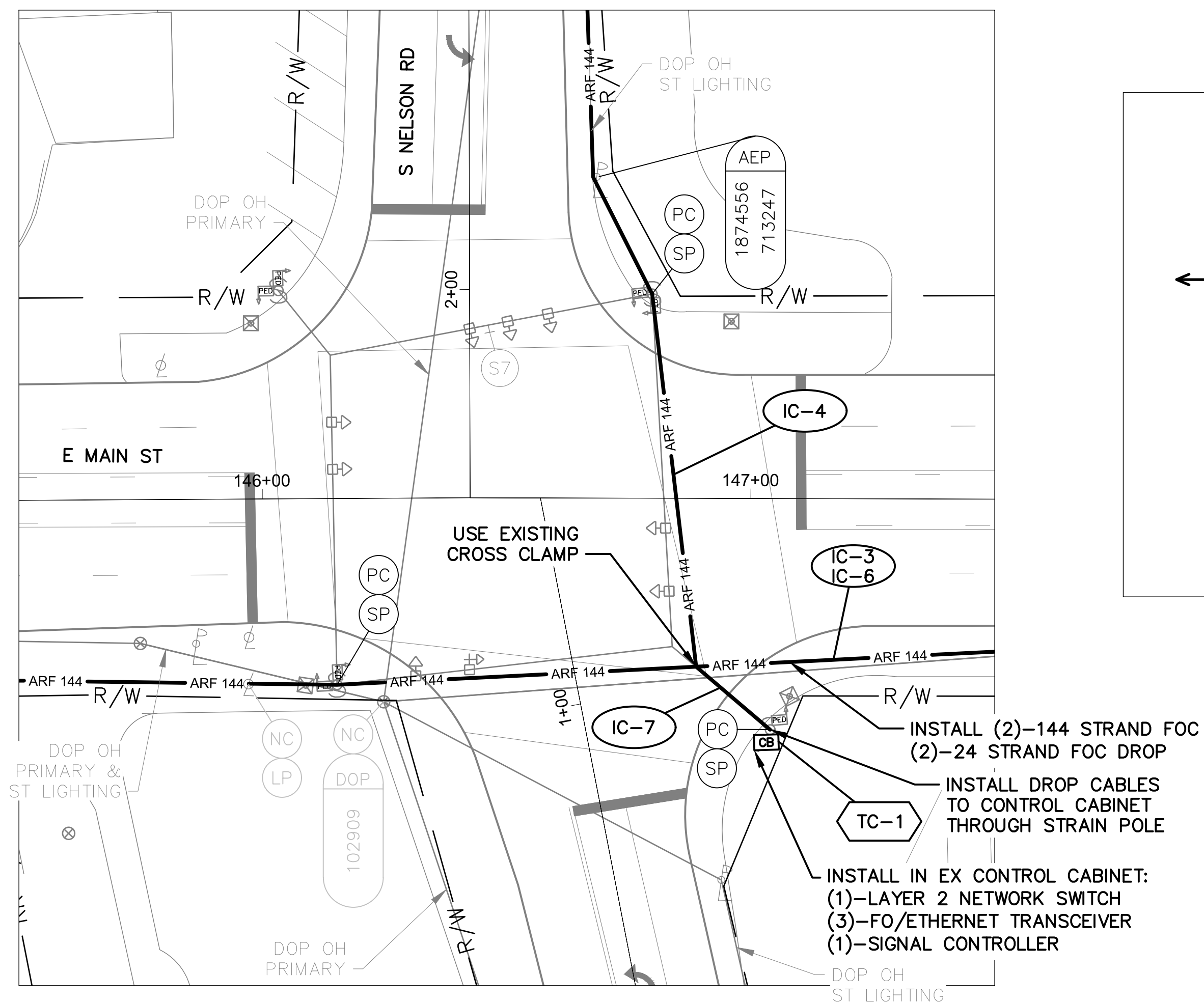
3150-E



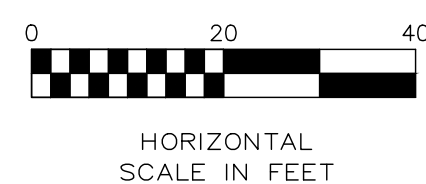
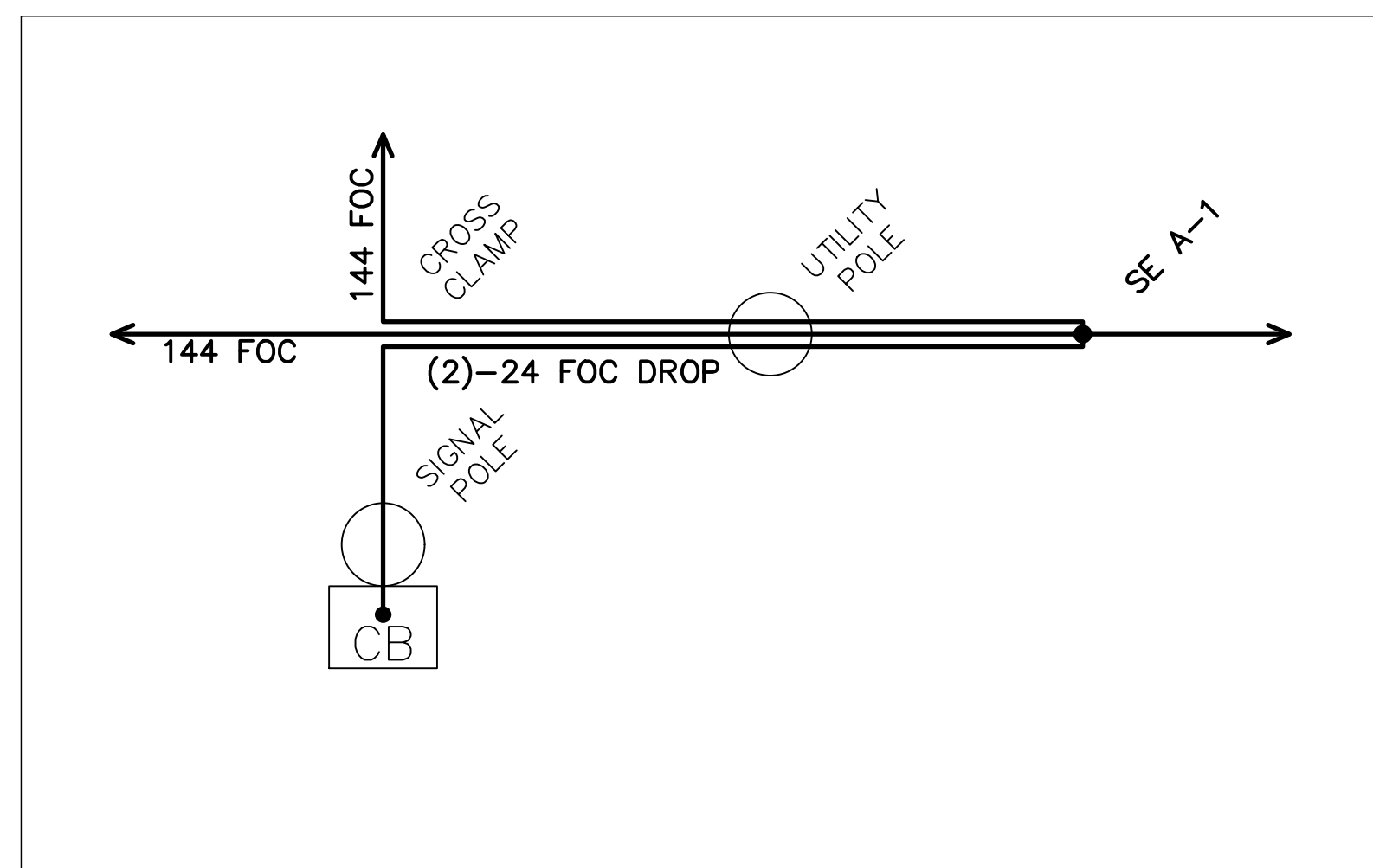
J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk2\_MAIN\_INTERCONNECT.dwg - MAIN-9 layout ~ last saved by: gburch 11/06/2018 09:04am ~ printed: 03/16/2020 05:19pm



E MAIN ST BETWEEN STATION 138+00 AND 149+00



DETAIL - INT 2103



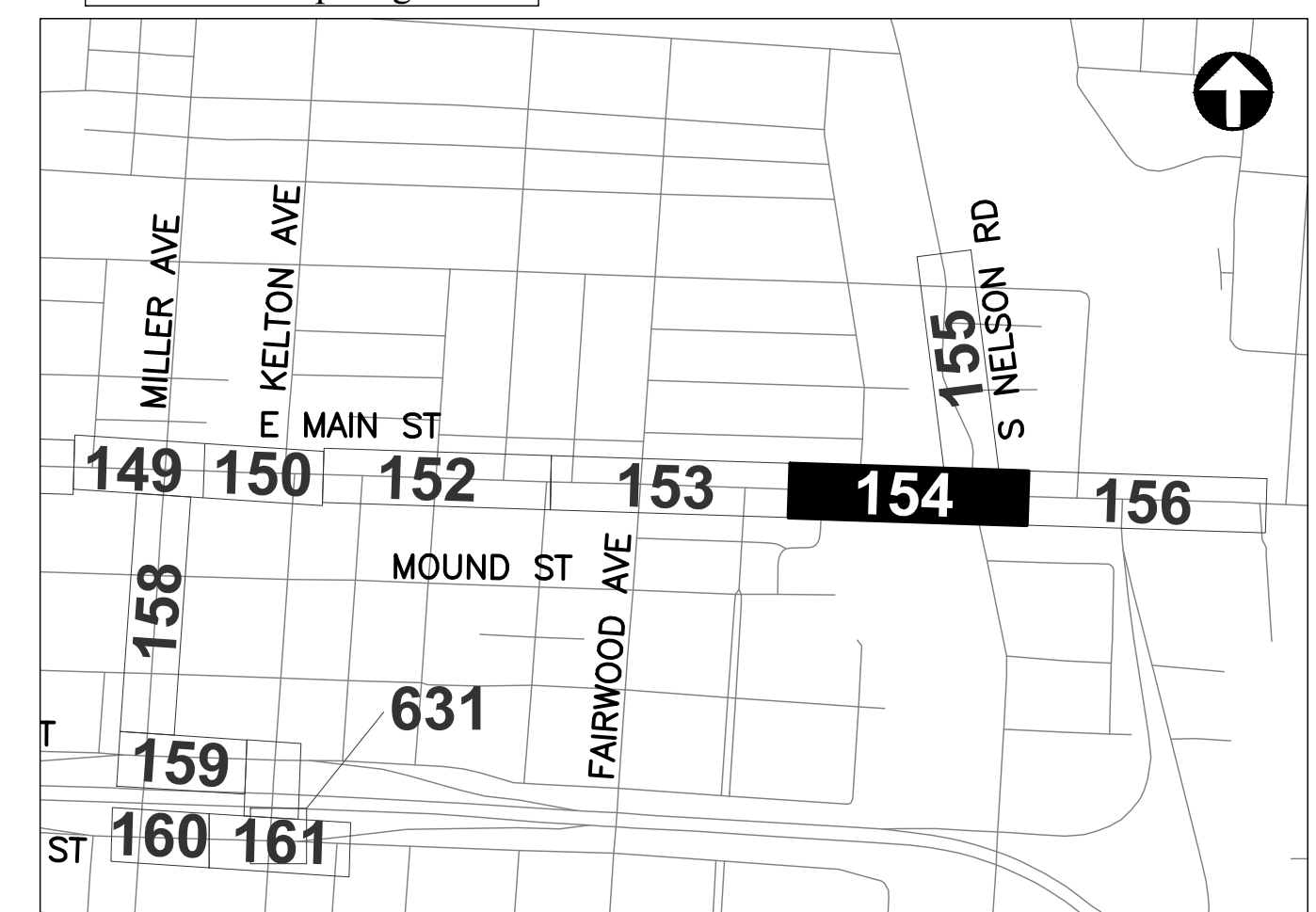
CABLE SCHEMATIC - INT 2103  
NOT TO SCALE

NOTES:

1. SEE SHEET 157 FOR QUANTITIES.
2. SEE SHEETS 680 & 918 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 144+75, 35' RT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.
4. FOR THE SPLICE ENCLOSURE AT INT 2103, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.

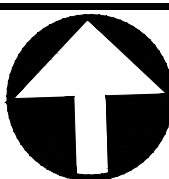


| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
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| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E MAIN ST BETWEEN STA. 138+00 AND 149+00, INT 2103

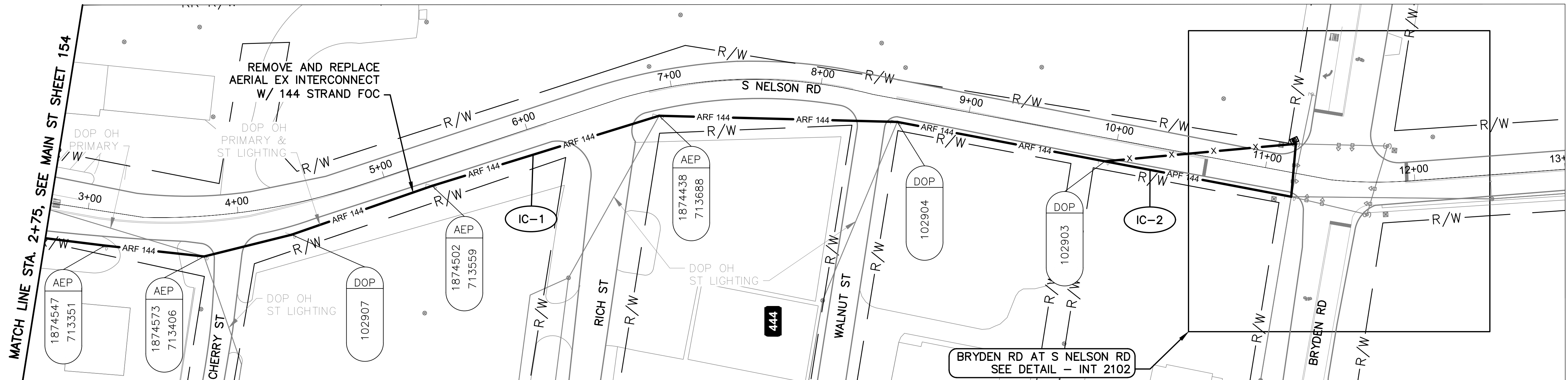
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

154  
1000

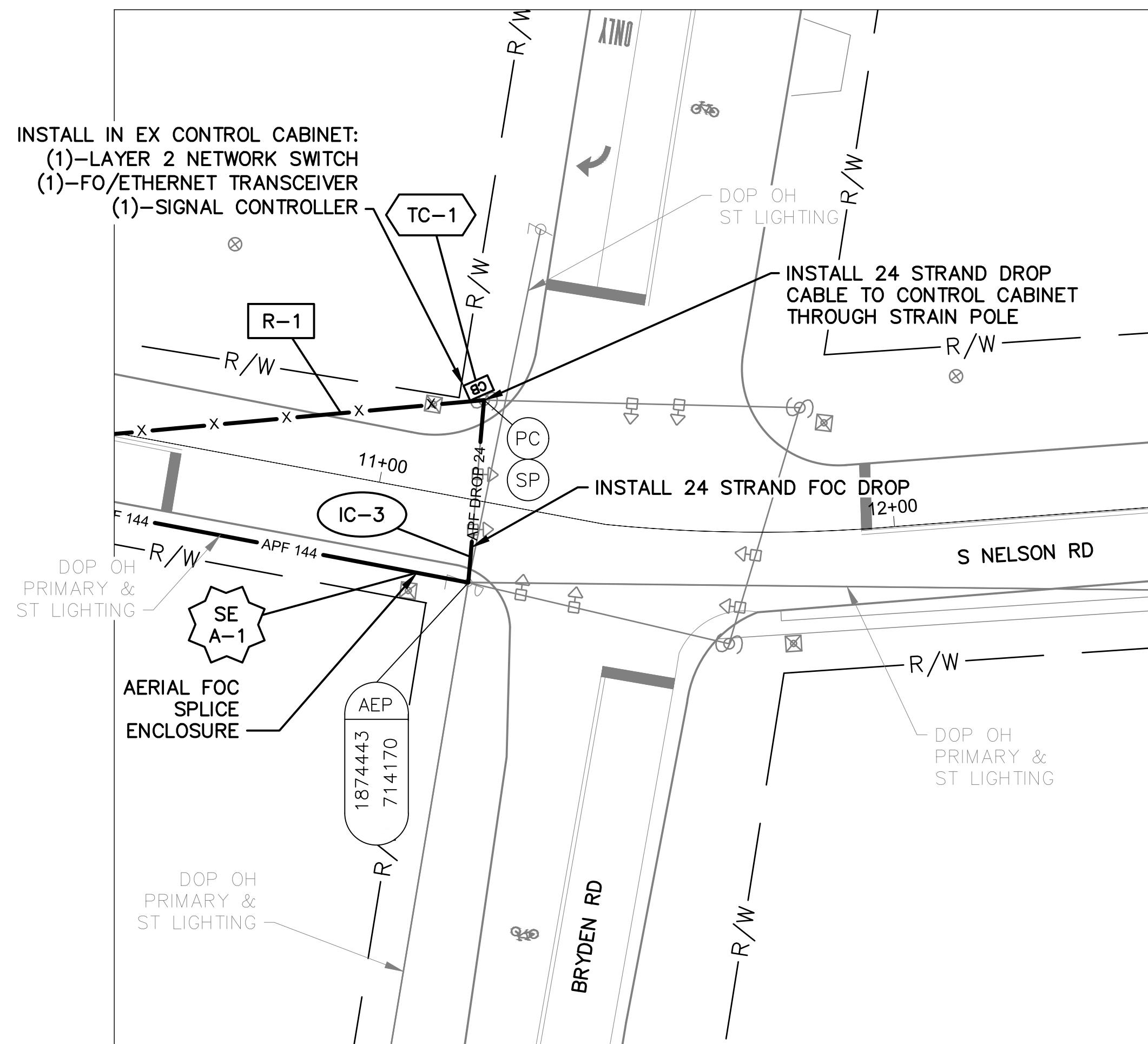
3150-E



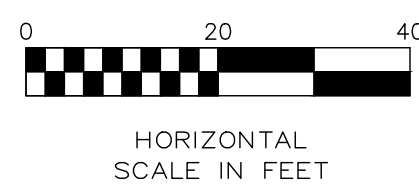
J:\Jobs\60135\TCHP\PROJ\Sheets\CTSS\PHD\_Trunk2\_NELSON\_INTERCONNECT.dwg - NELSON-1 layout ~ last saved by: gburch 09/01/2016 09:59am ~ printed 03/18/2020 05:21pm



S NELSON RD BETWEEN STATION 2+75 AND 13+00



DETAIL - INT 2102

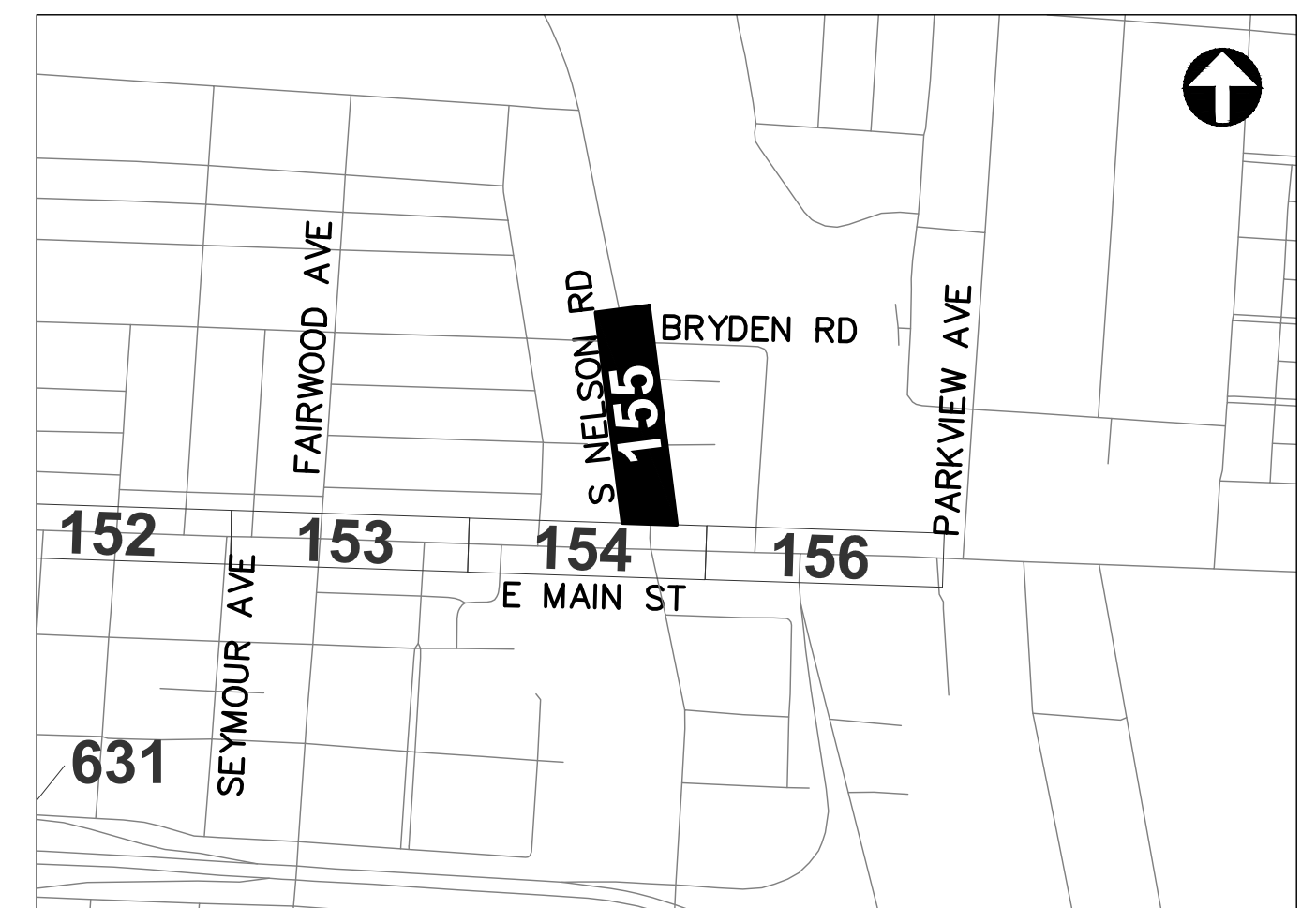


NOTES:

1. SEE SHEET 157 FOR QUANTITIES.
2. SEE SHEETS 680 & 919 FOR COMMUNICATION DETAILS.

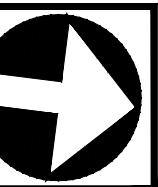


| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
S NELSON RD BETWEEN STA. 2+75 AND 13+00, INT 2102

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

155  
1000

3150-E







J:\Jobs\60135\TCHPROD\Sheets\CTSS\_Phd\_Trunk2.MAIN\_IC-QUANTITIES.dwg -- MAIN-03 layout ~ last saved by: gbrch 07/29/2016 03:13pm ~ printed 03/18/2020 05:52am

| ESTIMATED QUANTITIES                                |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|-----------------------------------------------------|---------------|-----------|----------------|------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------|------|------|--|--|--|--|--|
| SHEET NO.                                           | REFERENCE NO. | LOCATION  | STATION        | 202                                      | 632                                                            | 632                                                        | 632                                                                       | 632                                                                | 632                                                                            | 632                                                                            | 632                                                                          | 632                                           | 632                                            | 632                                                                           | 633                                                   | 633                                                                   | 633  |      |  |  |  |  |  |
|                                                     |               |           |                | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE | MESSAGE WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN |      |      |  |  |  |  |  |
|                                                     |               |           |                | FROM                                     | TO                                                             | FT                                                         | FT                                                                        | EACH                                                               | FT                                                                             | EACH                                                                           | EACH                                                                         | EACH                                          | FT                                             | FT                                                                            | EACH                                                  | EACH                                                                  | EACH | EACH |  |  |  |  |  |
| E MAIN ST. BETWEEN STA. 116+50 AND 127+00           |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 152                                                 | IC-1          | MAIN ST   | 116+50, 28' RT | 127+00, 26' RT                           |                                                                | 1,066                                                      |                                                                           | 1,050                                                              |                                                                                |                                                                                |                                                                              |                                               | 1,066                                          |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 152                                                 | IC-2          | MAIN ST   | 120+81, 27' RT |                                          |                                                                | 150                                                        |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| E MAIN ST. BETWEEN STA. 127+00 AND 138+00, INT 2039 |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 153                                                 | IC-1          | MAIN ST   | 127+00, 26' RT | 130+81, 40' RT                           |                                                                | 388                                                        |                                                                           | 382                                                                |                                                                                |                                                                                |                                                                              |                                               | 388                                            |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 153                                                 | SE A-1        | MAIN ST   | 130+81, 40' RT |                                          |                                                                | 150                                                        | 24                                                                        |                                                                    | 1                                                                              |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 153                                                 | IC-3          | MAIN ST   | 130+81, 40' RT | 130+91, 40' RT                           |                                                                |                                                            |                                                                           |                                                                    |                                                                                | 1                                                                              |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 153                                                 | TC-1          | MAIN ST   | 130+91, 40' RT |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               | 2                                                     | 1                                                                     | 1    |      |  |  |  |  |  |
| 153                                                 | IC-2          | MAIN ST   | 130+81, 40' RT | 138+00, 27' RT                           |                                                                | 730                                                        |                                                                           | 719                                                                |                                                                                |                                                                                |                                                                              |                                               | 730                                            |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| E MAIN ST. BETWEEN STA. 138+00 AND 149+00, INT 2103 |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 154                                                 | IC-1          | MAIN ST   | 138+00, 27' RT | 149+00, 28' RT                           |                                                                | 1,006                                                      |                                                                           | 99                                                                 |                                                                                |                                                                                |                                                                              |                                               | 1,006                                          |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 154                                                 | IC-5          | MAIN ST   | 144+23, 27' RT |                                          |                                                                | 150                                                        |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 154                                                 | IC-7          | MAIN ST   | 146+89, 34' RT | 147+04, 47' RT                           |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               | 20                                             |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 154                                                 | SE A-1        | MAIN ST   | 147+90, 28' RT |                                          |                                                                | 225                                                        | 288                                                                       |                                                                    | 1                                                                              |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 154                                                 | IC-2          | MAIN ST   | 147+90, 28' RT | 149+00, 28' RT                           |                                                                | 112                                                        |                                                                           | 110                                                                |                                                                                |                                                                                |                                                                              | 1                                             |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 154                                                 | IC-3          | MAIN ST   | 147+89, 34' RT | 149+00, 28' RT                           |                                                                | 103                                                        |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 154                                                 | IC-6          | MAIN ST   | 147+90, 28' RT | 149+00, 28' RT                           |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                | 2                                                                            |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 154                                                 | IC-4          | NELSON RD | 1+03, 25' RT   | 2+75, 25' RT                             |                                                                | 157                                                        |                                                                           | 155                                                                |                                                                                |                                                                                |                                                                              |                                               | 157                                            |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 154                                                 | TC-1          | MAIN ST   | 147+04, 47' RT |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               | 3                                                     | 1                                                                     | 1    |      |  |  |  |  |  |
| S NELSON RD. BETWEEN STA. 2+75 AND 11+20, INT 2104  |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 155                                                 | IC-1          | NELSON RD | 2+75, 25' RT   | 9+95, 15' RT                             |                                                                | 73                                                         |                                                                           | 72                                                                 |                                                                                |                                                                                |                                                                              |                                               | 73                                             |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 155                                                 | IC-2          | NELSON RD | 9+95, 15' RT   | 11+20, 16' RT                            |                                                                | 128                                                        |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               | 128                                            |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 155                                                 | R-1           | NELSON RD | 9+95, 15' RT   | 11+15, 21' LT                            |                                                                |                                                            |                                                                           | 126                                                                |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 155                                                 | TC-1          | NELSON RD | 11+15, 21' LT  |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               | 1                                                     | 1                                                                     | 1    |      |  |  |  |  |  |
| 155                                                 | IC-3          | NELSON RD | 11+15, 21' LT  | 11+20, 16' RT                            |                                                                |                                                            |                                                                           |                                                                    |                                                                                | 1                                                                              |                                                                              |                                               | 37                                             |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 155                                                 | SE A-1        | NELSON RD | 11+20, 16' RT  |                                          |                                                                | 75                                                         | 12                                                                        |                                                                    | 1                                                                              |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| E MAIN ST. BETWEEN STA. 149+00 AND 160+00, INT 2104 |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 156                                                 | IC-1          | MAIN ST   | 149+00, 29' RT | 152+63, 37' RT                           |                                                                | 376                                                        |                                                                           | 370                                                                |                                                                                |                                                                                |                                                                              |                                               | 376                                            |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 156                                                 | IC-2          | MAIN ST   | 152+63, 37' RT | 155+07, 38' RT                           |                                                                | 43                                                         |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               | 24                                             |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 156                                                 | CTV-1         | MAIN ST   | 155+12, 40' LT |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               | 1                                                     |                                                                       |      |      |  |  |  |  |  |
| 156                                                 | EC-1          | MAIN ST   | 155+12, 40' LT | 155+89, 49' RT                           |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               | 10                                             | 16                                                                            |                                                       |                                                                       |      |      |  |  |  |  |  |
| 156                                                 | EC-2          | MAIN ST   | 153+89, 49' RT |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                | 35                                                                            |                                                       |                                                                       |      |      |  |  |  |  |  |
| 156                                                 | EC-3          | MAIN ST   | 153+89, 49' RT | 153+95, 53' RT                           | 19                                                             |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                | 19                                                                            |                                                       |                                                                       |      |      |  |  |  |  |  |
| 156                                                 | IC-4          | MAIN ST   | 153+89, 49' RT | 155+07, 38' RT                           |                                                                |                                                            |                                                                           | 115                                                                |                                                                                |                                                                                |                                                                              |                                               | 117                                            |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 156                                                 | IC-3          | MAIN ST   | 153+95, 53' RT | 155+07, 38' RT                           |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                | 1                                                                            |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
| 156                                                 | TC-1          | MAIN ST   | 153+95, 53' RT |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                | 10                                                                            |                                                       | 2                                                                     | 1    | 1    |  |  |  |  |  |
| 156                                                 | SE A-1        | MAIN ST   | 155+07, 38' RT |                                          |                                                                | 75                                                         | 12                                                                        |                                                                    | 1                                                                              |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |
|                                                     |               |           |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                              |                                               |                                                |                                                                               |                                                       |                                                                       |      |      |  |  |  |  |  |

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CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

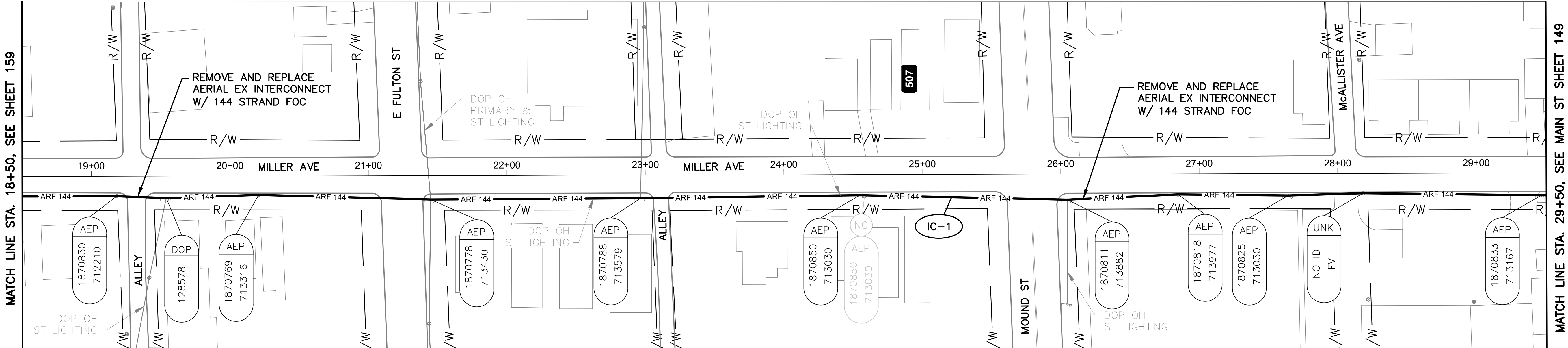
MAIN ST BTW STA. 116+50 & 160+00  
NELSON RD BTW STA. 2+75 & 13+00, INTS 2039, 2103, 2102, 2104

CIP: 540007-100006  
PID NUMBER: 82573

157  
1000



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk2\_ML-KEL\_INTERCONNECT.dwg - MILLER-1 layout ~ last saved by: sdwary 09/08/2016 02:14pm ~ printed 03/18/2020 05:24pm



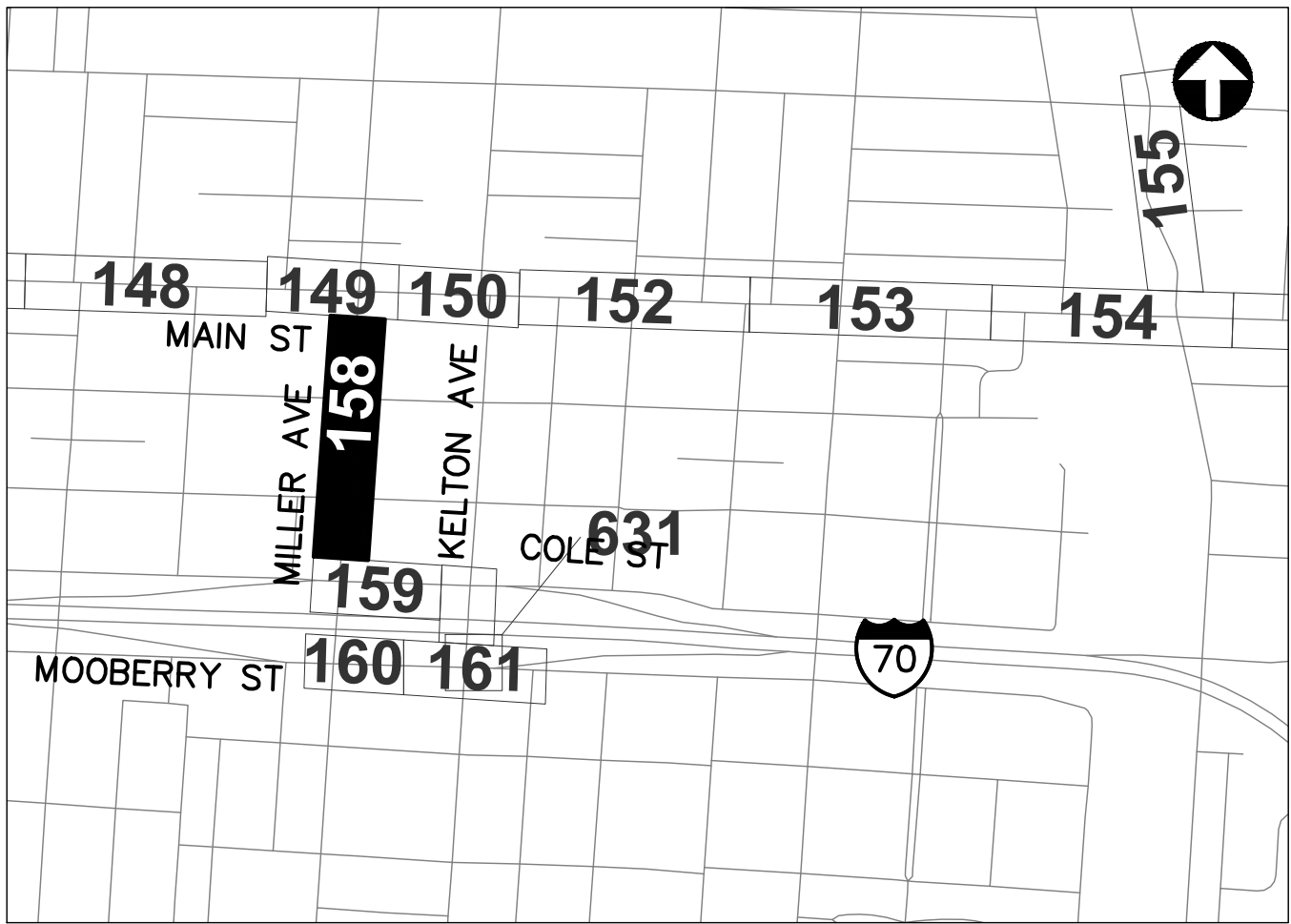
MILLER AVE BETWEEN STATION 18+50 AND 29+50

NOTES:

- 1. SEE SHEET 162 FOR QUANTITIES.
- 2. SEE SHEET 680 FOR COMMUNICATION DETAILS.

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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

CIP: 540007-100006  
PID NUMBER: 82573

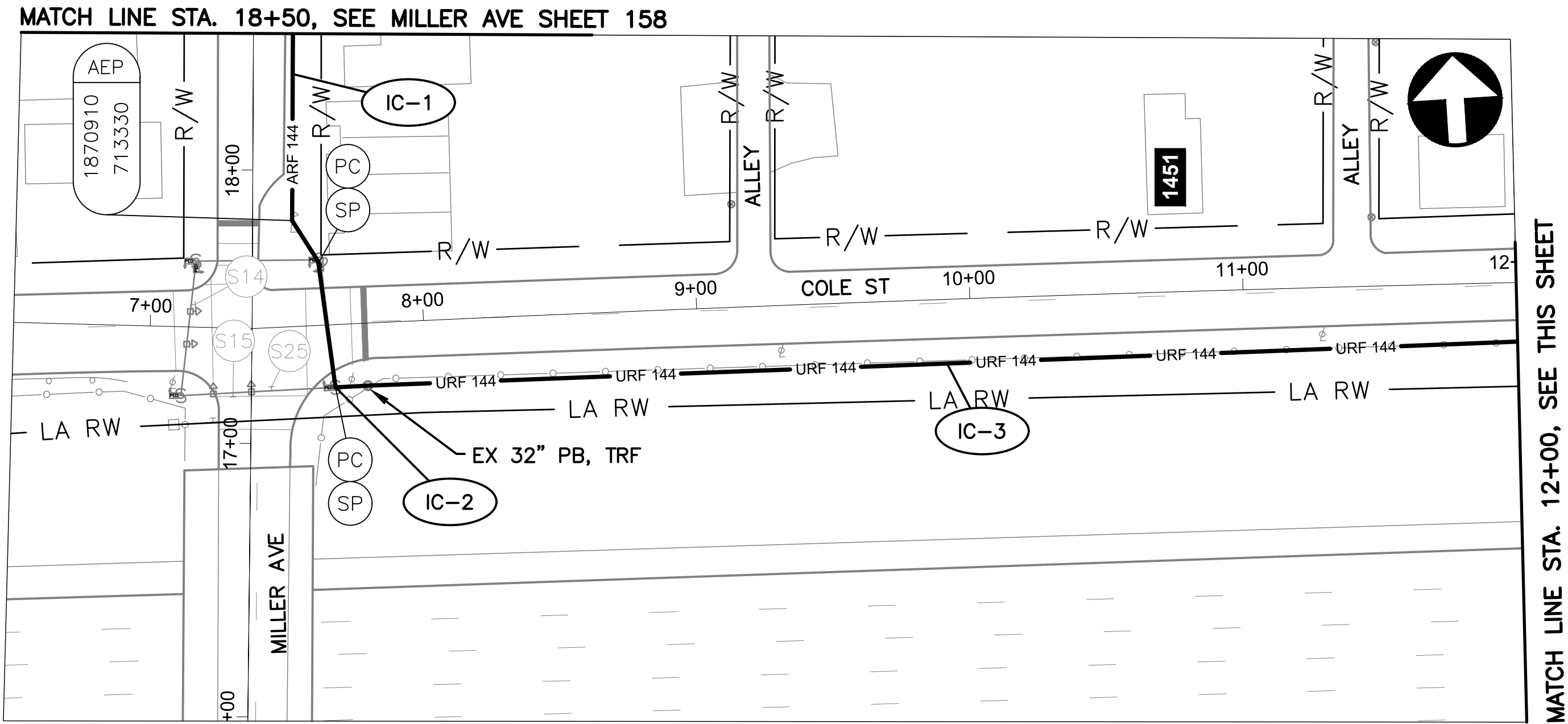
INTERCONNECT PLAN  
MILLER AVE BETWEEN STA. 18+50 AND 29+50

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

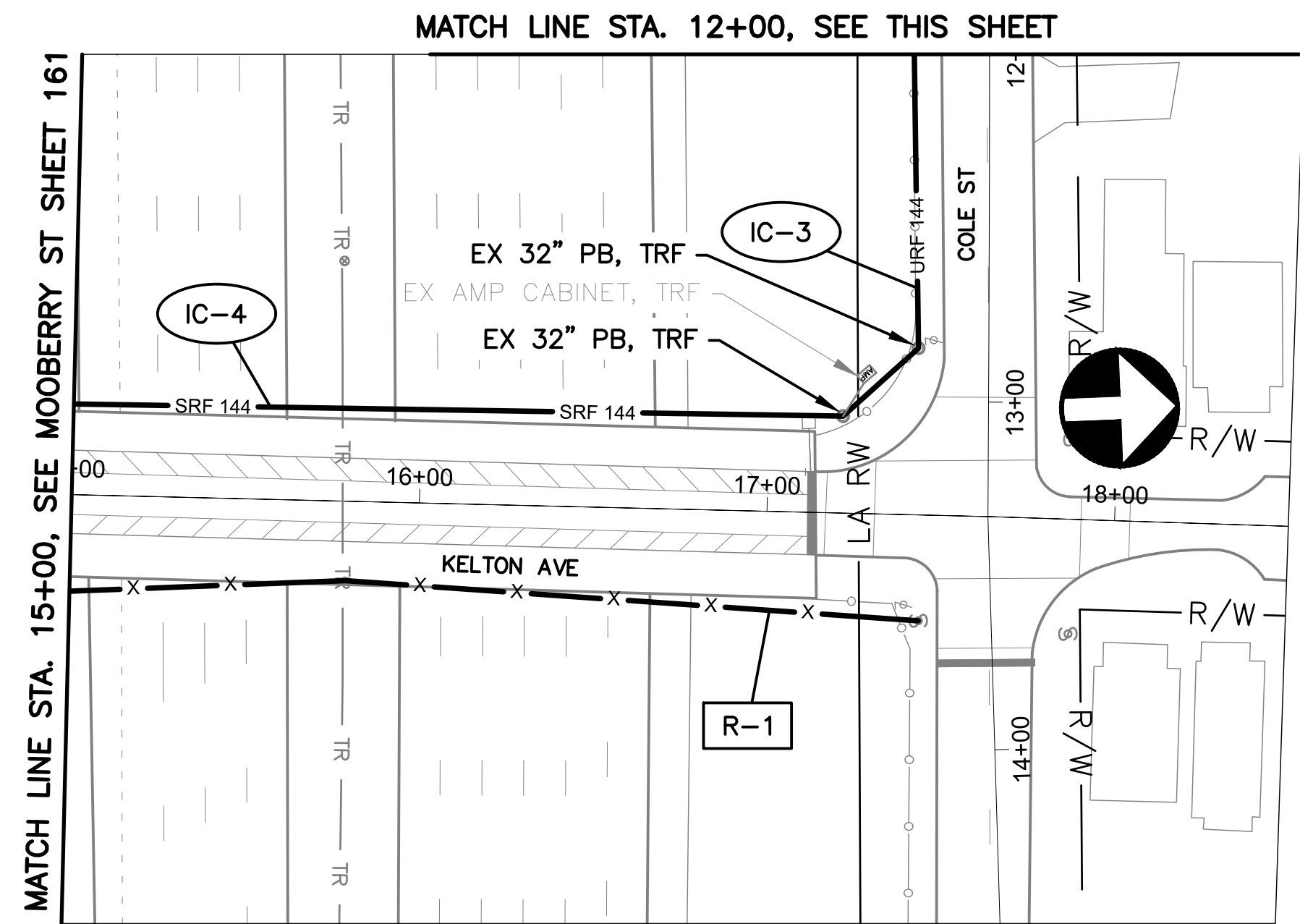
158  
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COLE ST BETWEEN STATION 6+50 AND 14+50



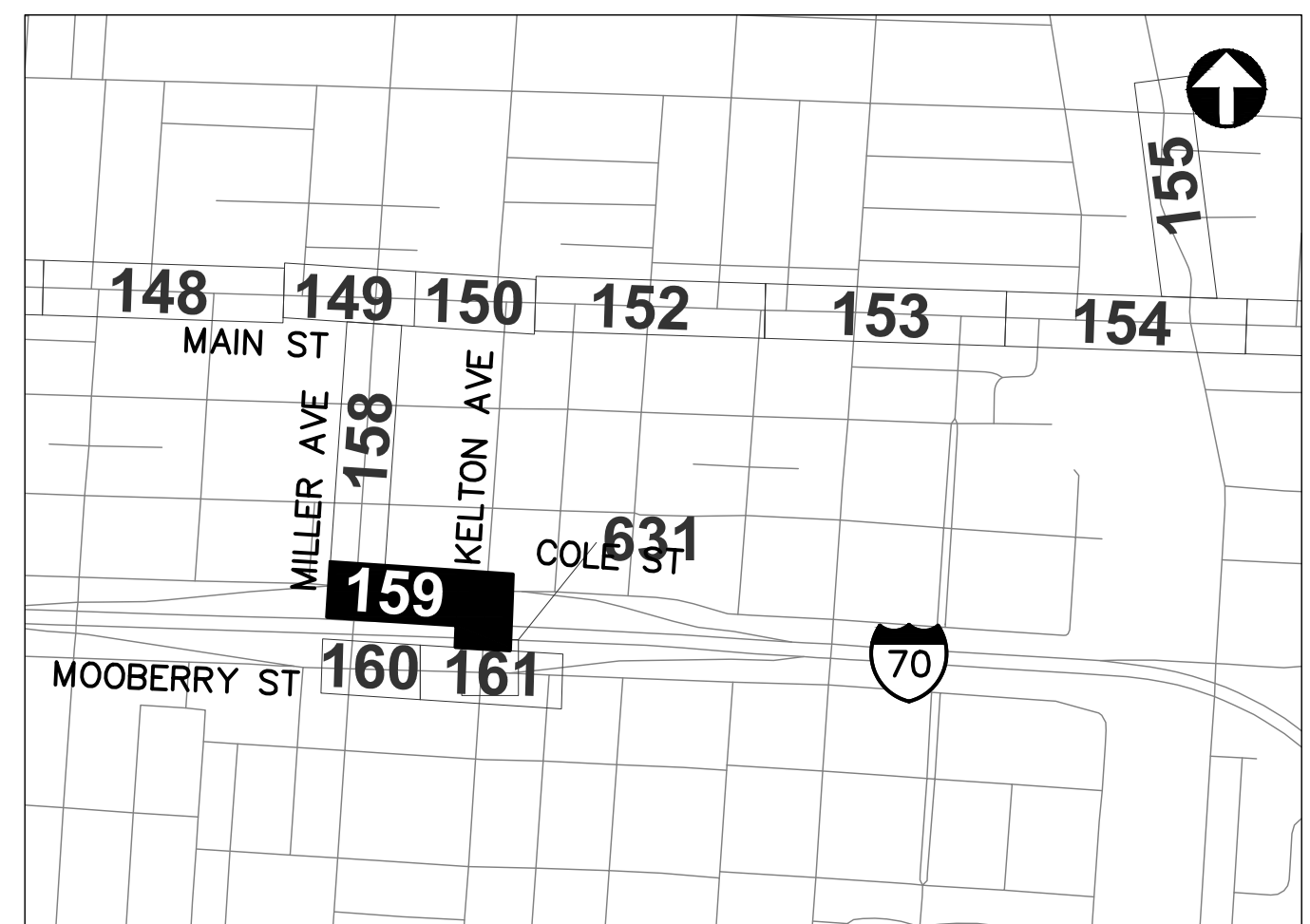
KELTON AVE BETWEEN STATION 15+00 AND 18+50

NOTES:

1. SEE SHEET 162 FOR QUANTITIES.
2. SEE SHEET 680 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

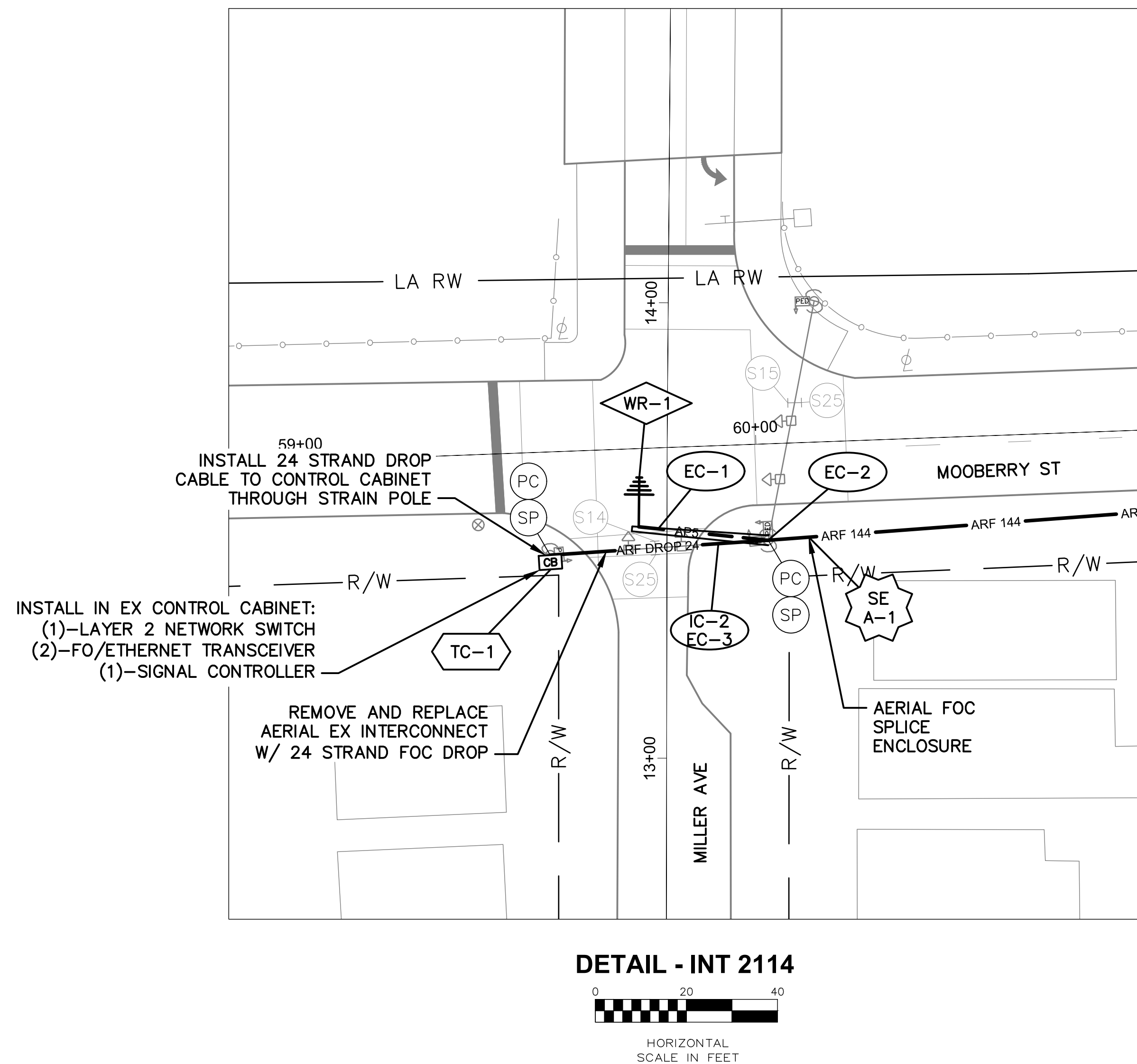


| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |

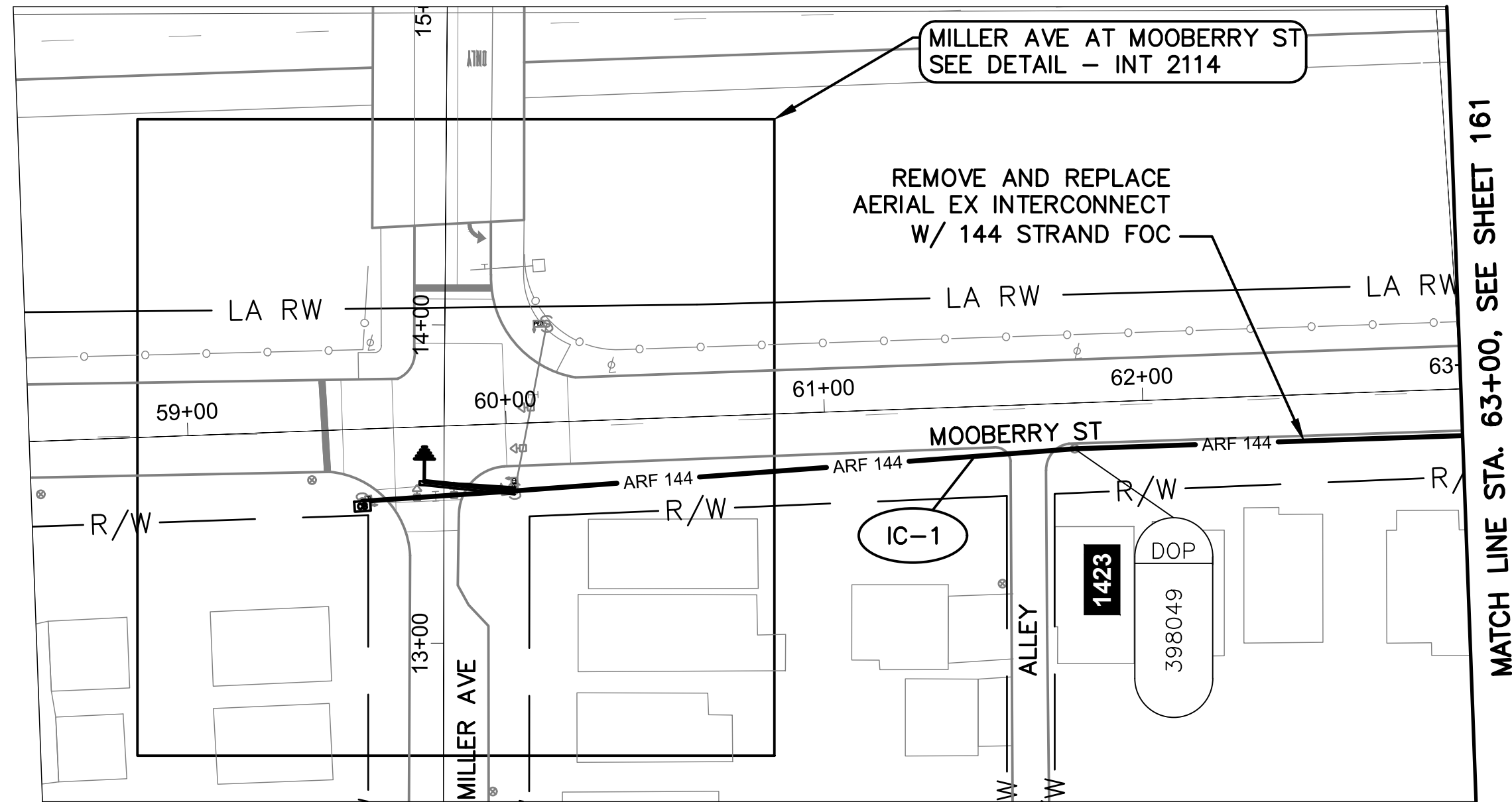




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MOOBERRY ST BETWEEN STATION 58+50 AND 63+00

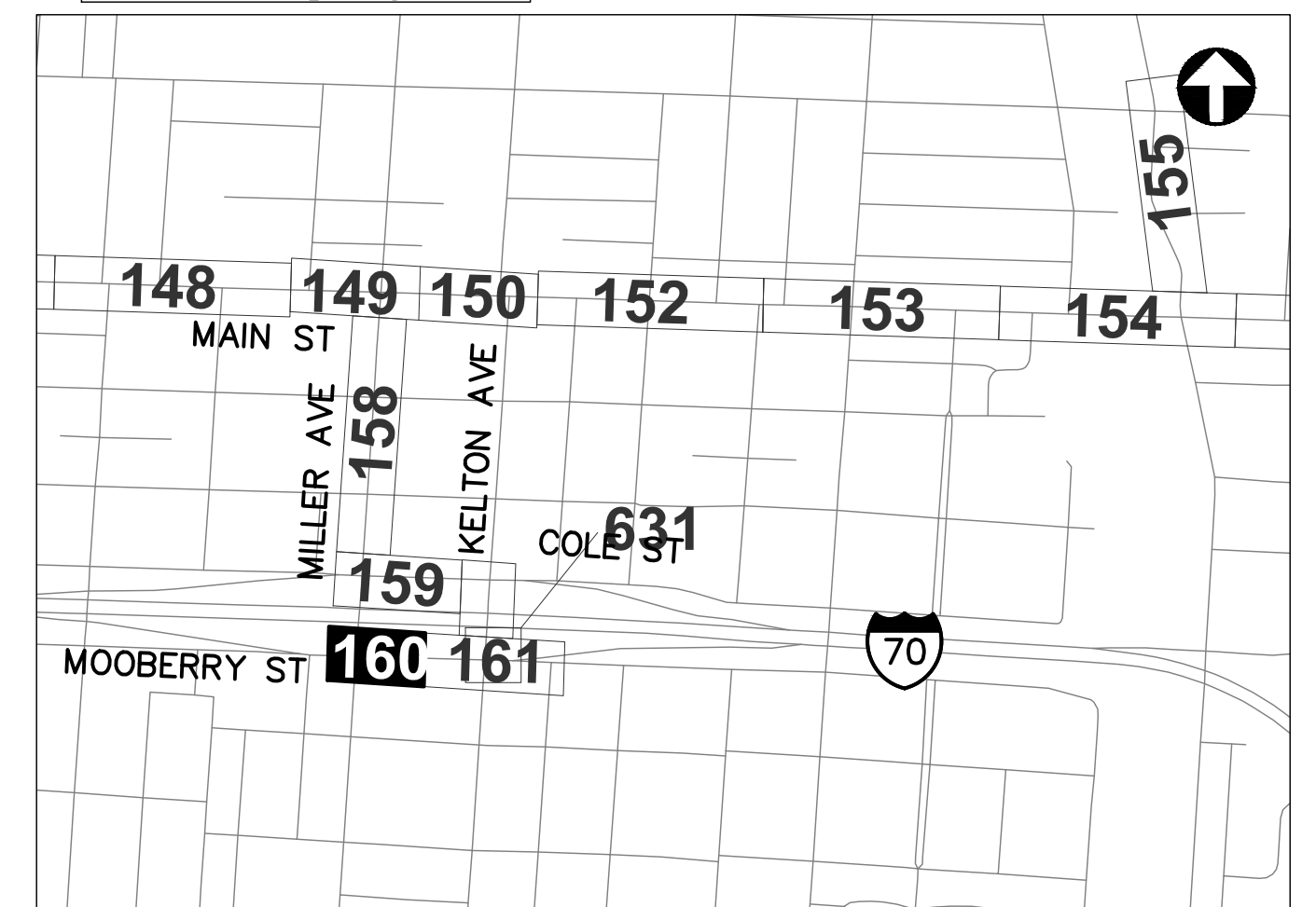


PROPOSED WIRELESS  
SEE SHEET 149  
INT 2037 - MAIN STREET  
AT MILLER AVENUE

INT 2114 WITH  
EXISTING SIGNAL  
CONTROLLER



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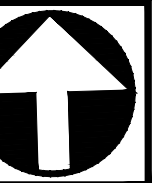


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

**NOTES:**

1. SEE SHEET 162 FOR QUANTITIES.
2. SEE SHEETS 680 & 921 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.



CIP: 540007-100006  
PID NUMBER: 82573

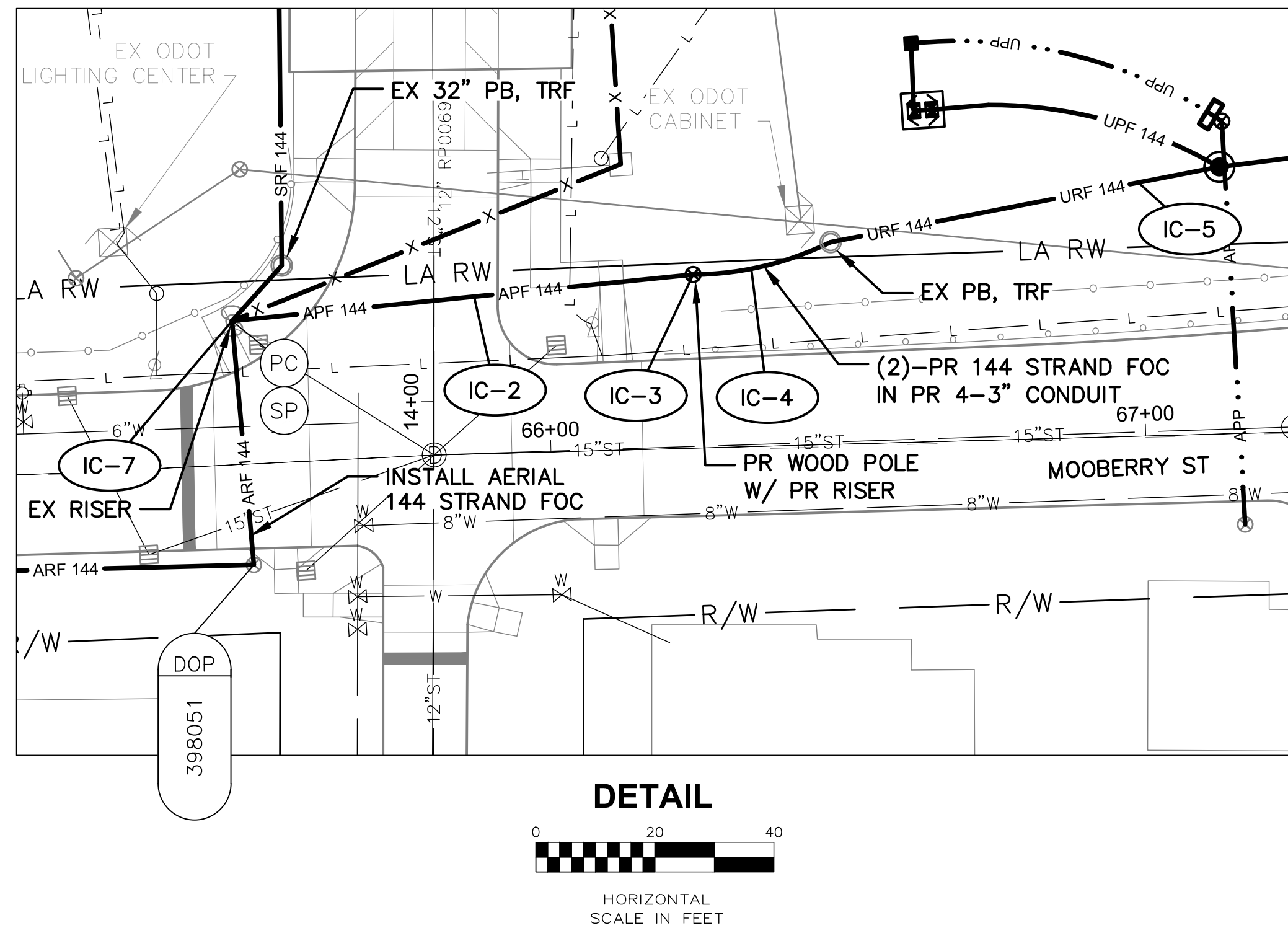
INTERCONNECT PLAN  
MOOBERRY ST BETWEEN STA. 58+50 AND 63+00, INT 2114

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

160  
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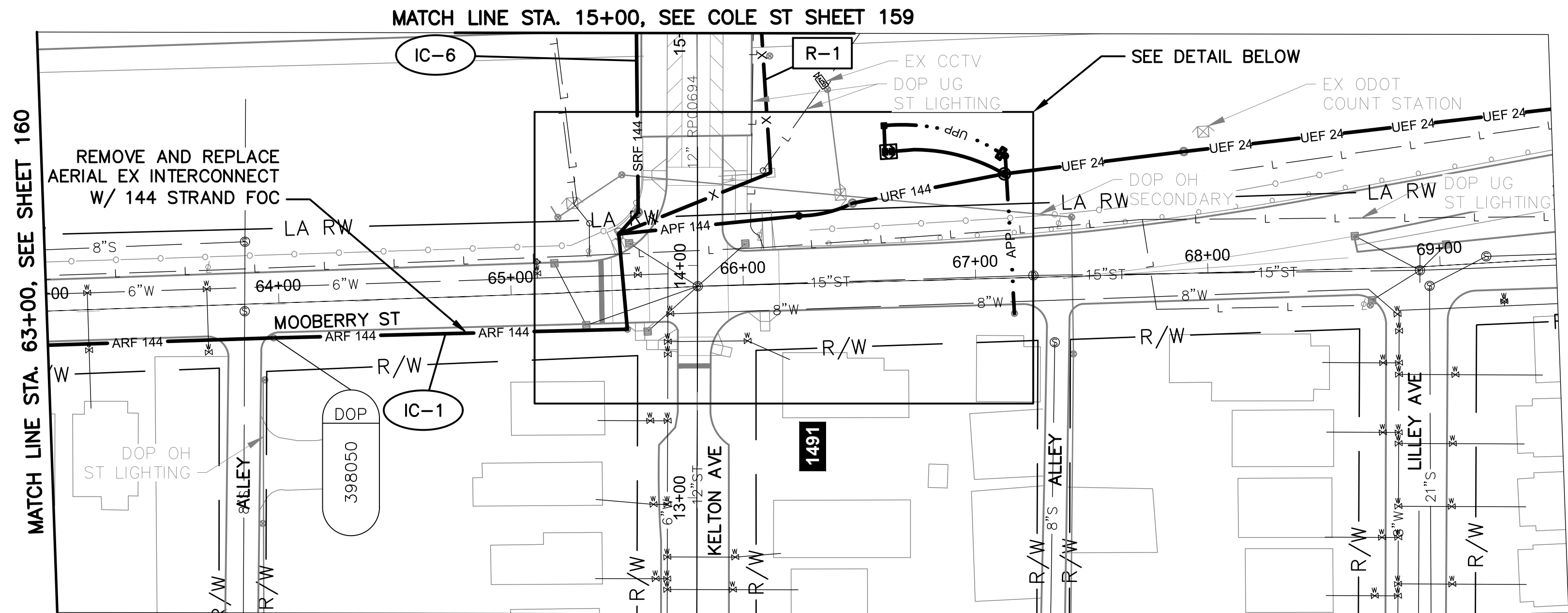


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DETAIL

0 20 40  
HORIZONTAL  
SCALE IN FEET



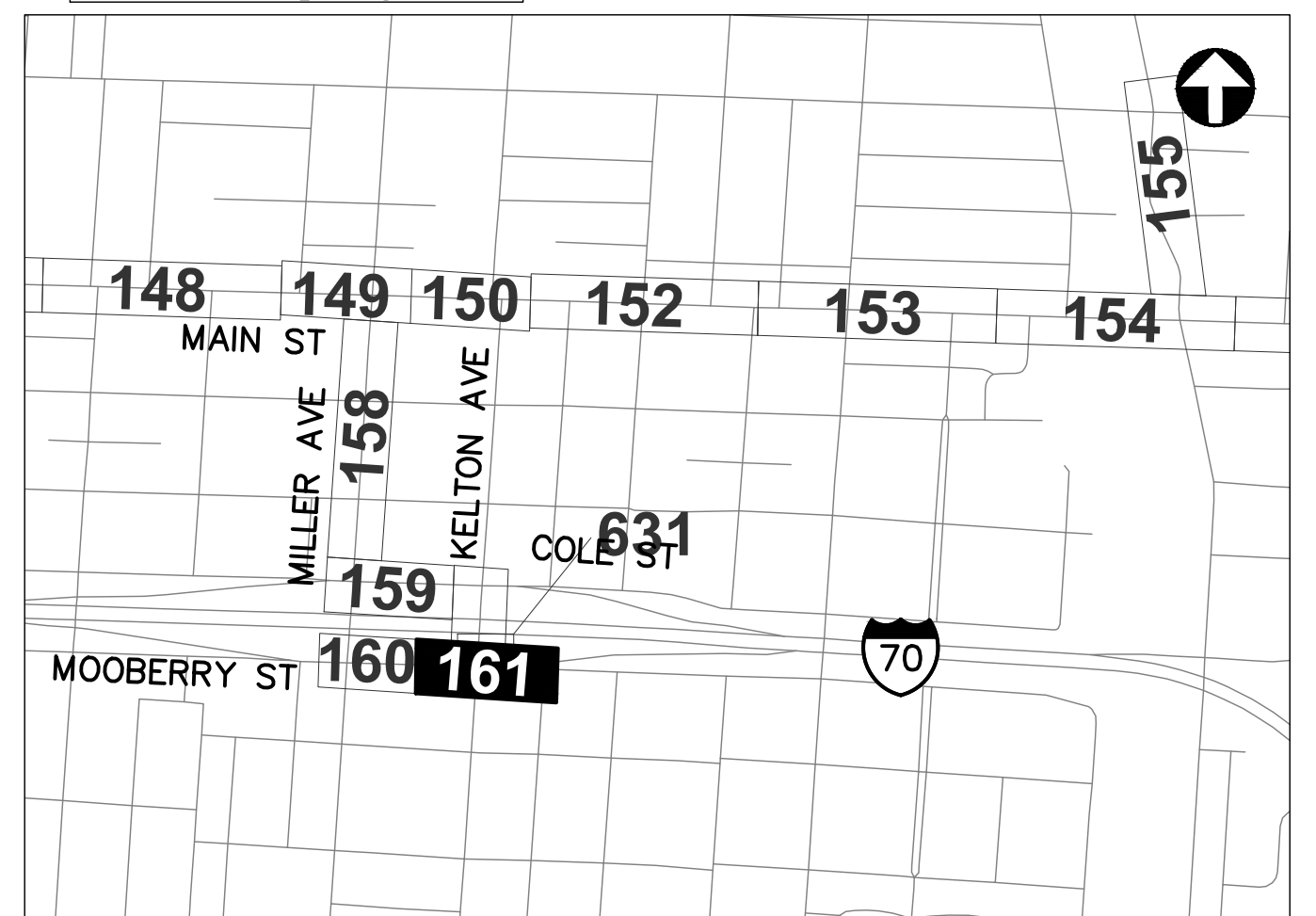
MOOBERRY ST BETWEEN STATION 63+00 AND 69+50

NOTES:

1. SEE SHEET 162 FOR QUANTITIES.
2. SEE SHEET 680 FOR COMMUNICATION DETAILS.
3. SEE SHEET 631 FOR NODE #070102.3 DETAIL.
4. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

  
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|  | WATER    |
|  | POWER    |
|  | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
MOOBERRY ST BETWEEN STA. 63+00 AND 69+50

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

161  
1000



J:\Jobs\60135\TCHPROD\Sheets\CTSS\PHD\_Trunk2\_ML-KEL\_IC\_QUANTITIES.dwg -- KETON-Q1 layout -- last saved by: gburch 07/29/2016 03:08pm -- printed 03/18/2020 05:27pm

| ESTIMATED QUANTITIES                               |               |             |               |                |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
|----------------------------------------------------|---------------|-------------|---------------|----------------|------------------------------------------------|------------------------------------------|------------------------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------|---|---|---|
| SHEET NO.                                          | REFERENCE NO. | LOCATION    | STATION       |                | 202                                            | 625                                      | 625                                                              | 625                                    | 632                                               | 632                                                                  | 632                                                                | 632                                                                             | 632                                                                        | 632                                                                                    | 632                                                                                  | 632                                                           | 632                                           | 633                                  | 633                                                                                   | 633                                                           |                                                                              |   |   |   |
|                                                    |               |             |               |                | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | BRACKET ARM, 30', AS<br>PER PLAN<br>EACH | CONDUIT, CONCRETE<br>ENCASED, 4-3", 725.05, AS<br>PER PLAN<br>FT | TRENCH, 36" DEEP, AS<br>PER PLAN<br>FT | CONDUIT RISER, 2",<br>725.04, AS PER PLAN<br>EACH | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE<br>EACH | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT<br>FT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE<br>EACH | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | SIGNALIZATION, MISC.:<br>CAT 5E CABLE, OUTDOOR<br>RATED<br>FT | SPREAD SPECTRUM<br>RADIO, AS PER PLAN<br>EACH | WOOD POLE, CLASS 5, 35<br>FT<br>EACH | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2A2, AS PER<br>PLAN<br>EACH |   |   |   |
| MILLER AVE. BETWEEN STA. 18+50 AND 29+50           |               |             | FROM          | TO             |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 158                                                | IC-1          | MILLER AVE  | 18+50, 14' RT | 29+50, 16' RT  |                                                |                                          |                                                                  |                                        |                                                   | 1,118                                                                |                                                                    | 1,101                                                                           |                                                                            |                                                                                        | 1,118                                                                                |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
|                                                    |               |             |               |                |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| COLE ST. BETWEEN STA. 6+50 AND 14+50               |               |             |               |                |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 159                                                | IC-1          | MILLER AVE  | 17+21, 31' RT | 18+50, 14' RT  |                                                |                                          |                                                                  |                                        |                                                   | 135                                                                  |                                                                    | 133                                                                             |                                                                            |                                                                                        | 135                                                                                  |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 159                                                | IC-2          | COLE ST     | 7+66, 23' RT  |                |                                                |                                          |                                                                  |                                        |                                                   | 35                                                                   |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 159                                                | IC-3          | COLE ST     | 7+66, 23' RT  | 13+04, 42' RT  | 546                                            |                                          |                                                                  |                                        |                                                   | 546                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 159                                                | IC-4          | KELTON AVE  | 15+00, 26' LT | 17+21, 28' LT  | 221                                            |                                          |                                                                  |                                        |                                                   | 221                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 159                                                | R-1           | KELTON AVE  | 15+00, 28' RT | 17+44, 30' RT  |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    | 244                                                                             |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
|                                                    |               |             |               |                |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| MOOBERRY ST. BETWEEN STA. 58+50 AND 63+00, INT 211 |               |             |               |                |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 160                                                | TC-1          | MOOBERRY ST | 59+53, 23' RT | 60+01, 21' RT  |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        | 5                                                                                    |                                                               |                                               | 1                                    |                                                                                       | 1                                                             |                                                                              |   |   |   |
| 160                                                | IC-2          | MOOBERRY ST | 59+53, 23' RT | 60+01, 21' RT  |                                                |                                          |                                                                  |                                        |                                                   |                                                                      | 48                                                                 |                                                                                 |                                                                            |                                                                                        | 9                                                                                    |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 160                                                | EC-3          | MOOBERRY ST | 59+53, 23' RT | 60+01, 21' RT  |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        | 49                                                                                   |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 160                                                | WR-1          | MOOBERRY ST | 59+73, 17' RT |                |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      | 1                                                             |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 160                                                | EC-1          | MOOBERRY ST | 59+73, 17' RT | 60+01, 21' RT  |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 160                                                | EC-2          | MOOBERRY ST | 60+01, 21' RT |                | 1                                              |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 160                                                | SE A-1        | MOOBERRY ST | 60+01, 21' RT |                |                                                |                                          |                                                                  |                                        |                                                   | 12                                                                   |                                                                    | 1                                                                               |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 160                                                | IC-1          | MOOBERRY ST | 60+01, 21' RT | 63+00, 15' RT  |                                                |                                          |                                                                  |                                        |                                                   | 302                                                                  |                                                                    | 298                                                                             |                                                                            |                                                                                        | 302                                                                                  |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
|                                                    |               |             |               |                |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| MOOBERRY ST. BETWEEN STA. 63+00 AND 69+50          |               |             |               |                |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 161                                                | IC-1          | MOOBERRY ST | 63+00, 15' RT | 65+50, 24' LT  |                                                |                                          |                                                                  |                                        |                                                   | 294                                                                  |                                                                    | 290                                                                             |                                                                            |                                                                                        | 34                                                                                   |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 161                                                | IC-6          | MOOBERRY ST | 65+50, 24' LT | 65+50, 110' LT |                                                |                                          |                                                                  |                                        |                                                   | 90                                                                   |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 161                                                | IC-7          | MOOBERRY ST | 65+50, 24' LT |                |                                                |                                          |                                                                  |                                        |                                                   | 35                                                                   |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 161                                                | IC-2          | MOOBERRY ST | 65+48, 24' LT | 66+25, 29' LT  |                                                |                                          |                                                                  |                                        |                                                   | 156                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        | 78                                                                                   |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 161                                                | IC-3          | MOOBERRY ST | 66+25, 29' LT |                |                                                |                                          |                                                                  |                                        | 1                                                 | 70                                                                   |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               | 1                                    |                                                                                       |                                                               |                                                                              |   |   |   |
| 161                                                | IC-4          | MOOBERRY ST | 66+48, 24' LT | 67+15, 45' LT  |                                                |                                          |                                                                  | 24                                     |                                                   | 4                                                                    |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 161                                                | IC-5          | MOOBERRY ST | 66+48, 34' LT | 67+15, 45' LT  | 66                                             |                                          |                                                                  |                                        |                                                   | 132                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| 161                                                | R-1           | KELTON AVE  | 14+34, 34' RT | 15+00, 28' RT  |                                                |                                          |                                                                  |                                        |                                                   |                                                                      |                                                                    | 12                                                                              |                                                                            |                                                                                        |                                                                                      |                                                               |                                               |                                      |                                                                                       |                                                               |                                                                              |   |   |   |
| SHEET TOTAL                                        |               |             |               |                | 923                                            | 1                                        | 24                                                               | 24                                     | 1                                                 | 3,257                                                                | 12                                                                 | 2,244                                                                           | 1                                                                          | 1                                                                                      | 1,976                                                                                | 123                                                           | 1                                             | 1                                    | 1                                                                                     | 1                                                             | 1                                                                            | - | - | - |

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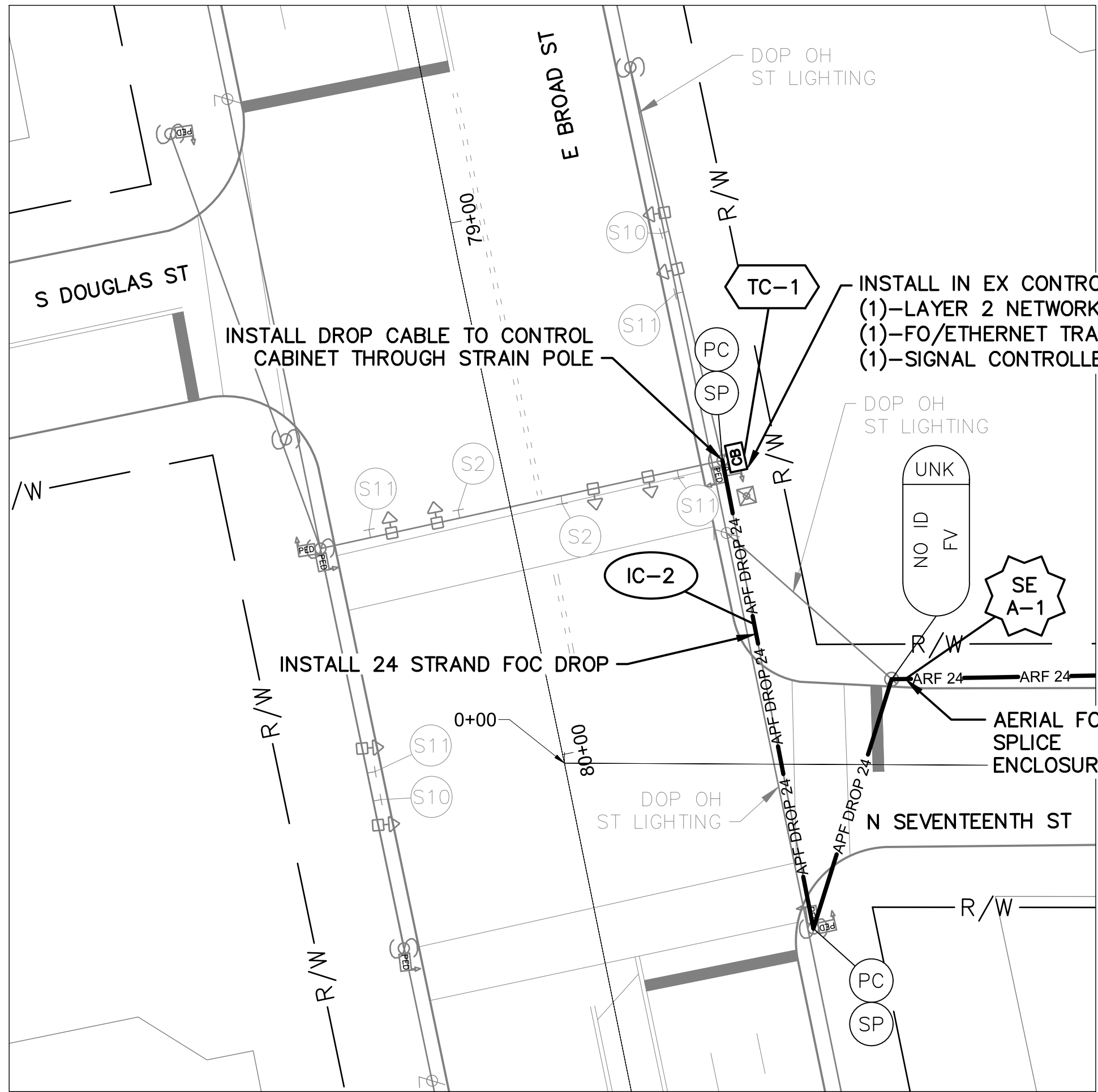
MILLER AVE. BETWEEN 18+50 & 29+50, MOOBERRY ST.  
BETWEEN 58+50 & 69+50, COLE ST. BETWEEN 6+50 & 14+50, INT 2114

CIP: 540007-100006  
PID NUMBER: 82573

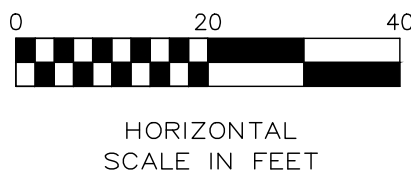
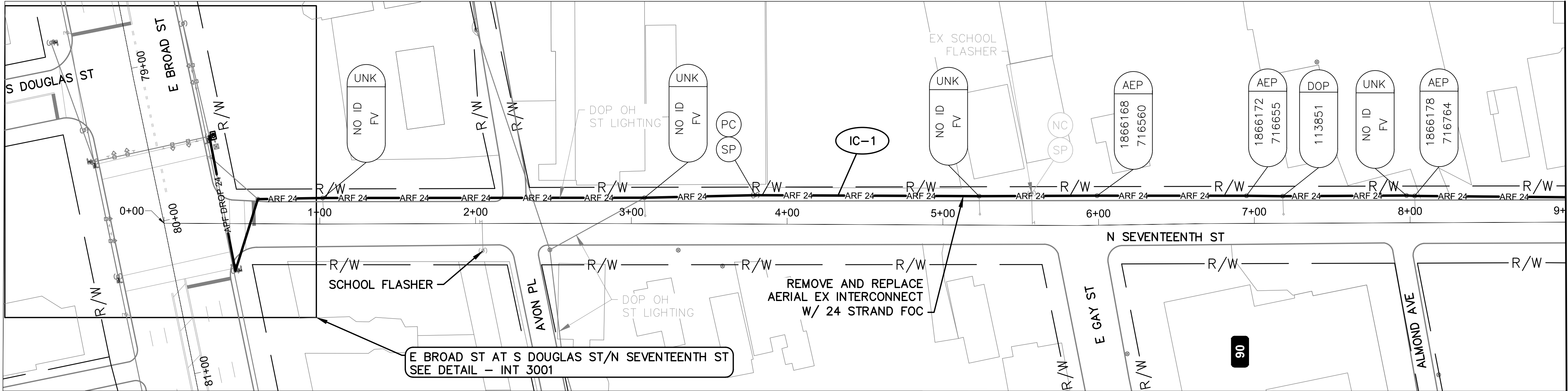
162  
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DETAIL - INT 3001



N SEVENTEENTH ST BETWEEN STATION 0+00 AND 9+00

NOTES:

1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEETS 677 & 871 FOR COMMUNICATION DETAILS.



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- ☒ LIGHTING



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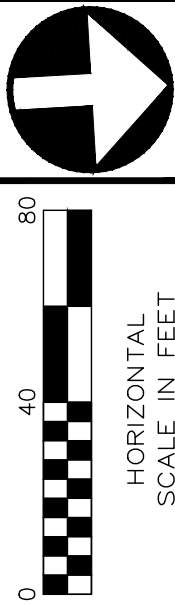
KEY PLAN  
NOT TO SCALE

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(CTSS) PHASE D -- CONSTRUCTION AS-BUILT

INTERCONNECT PLAN

N SEVENTEENTH ST BETWEEN STA. 0+00 AND 9+00, INT 3001

CIP: 540007-100006  
PID NUMBER: 82573

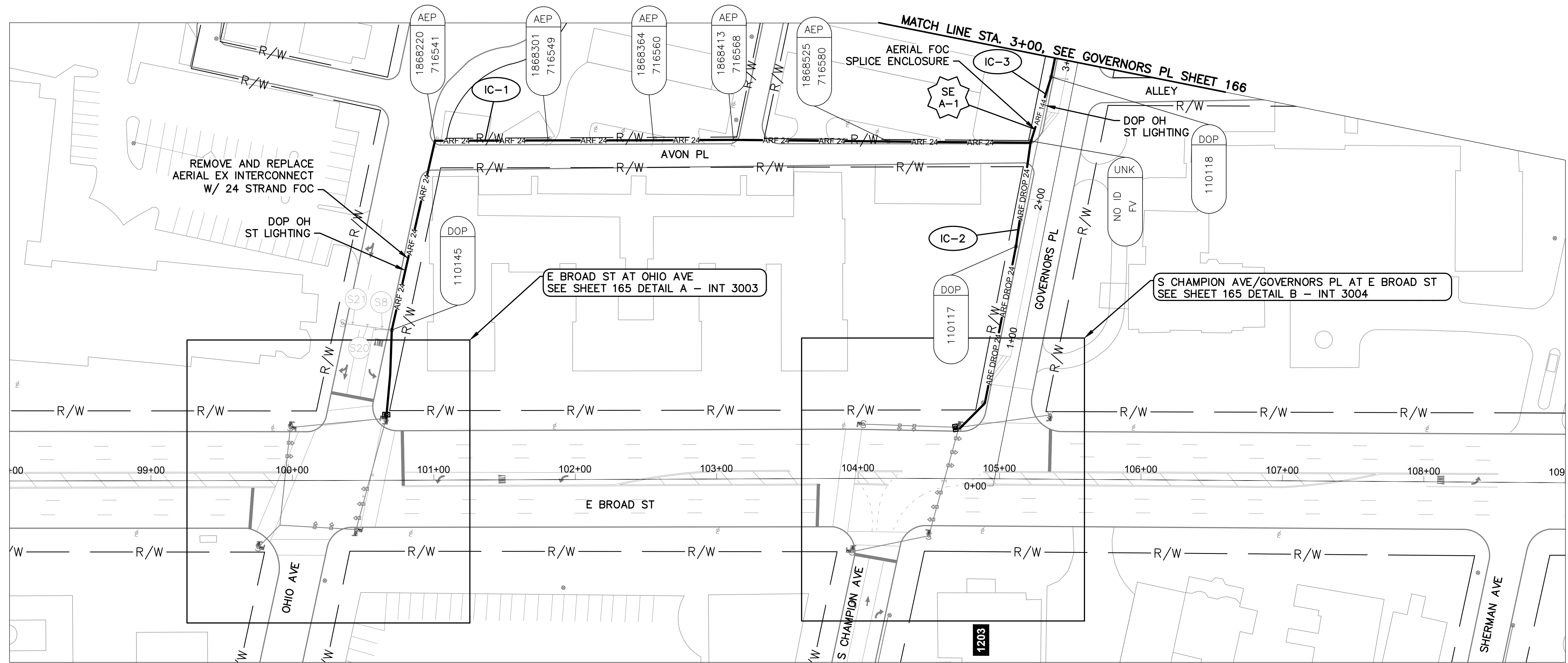


163  
1000

3150-E



J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk2\_BROAD\_INTERCONNECT.dwg -- BROAD-4 layout -- last saved by: skaganti 08/08/2016 03:33pm ~ printed 03/18/2020 05:30pm



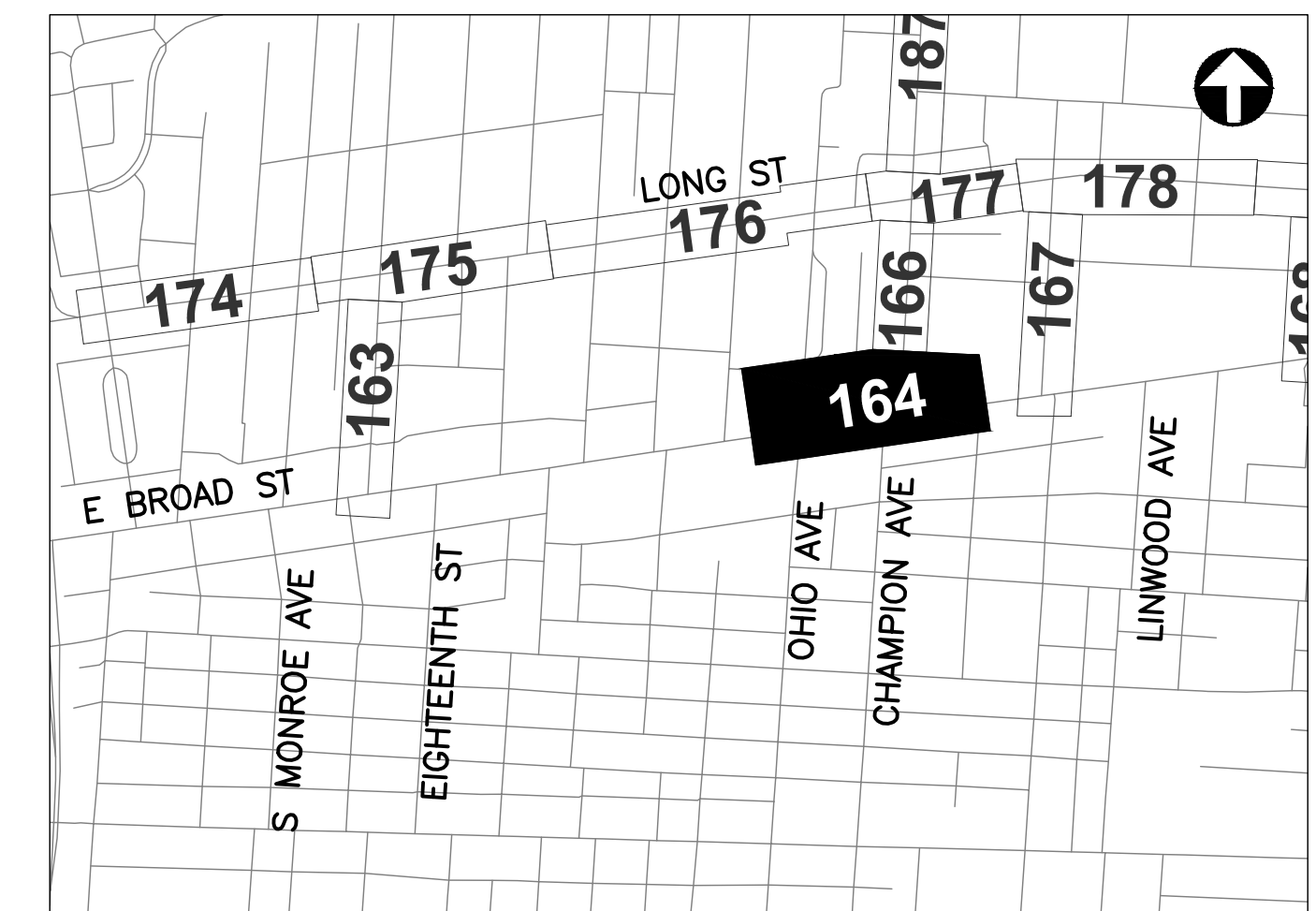
E BROAD ST BETWEEN STATION 98+00 AND 109+00

**NOTES:**

1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEETS 677 & 678 FOR COMMUNICATION DETAILS.



| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E BROAD ST BETWEEN STA. 98+00 AND 109+00

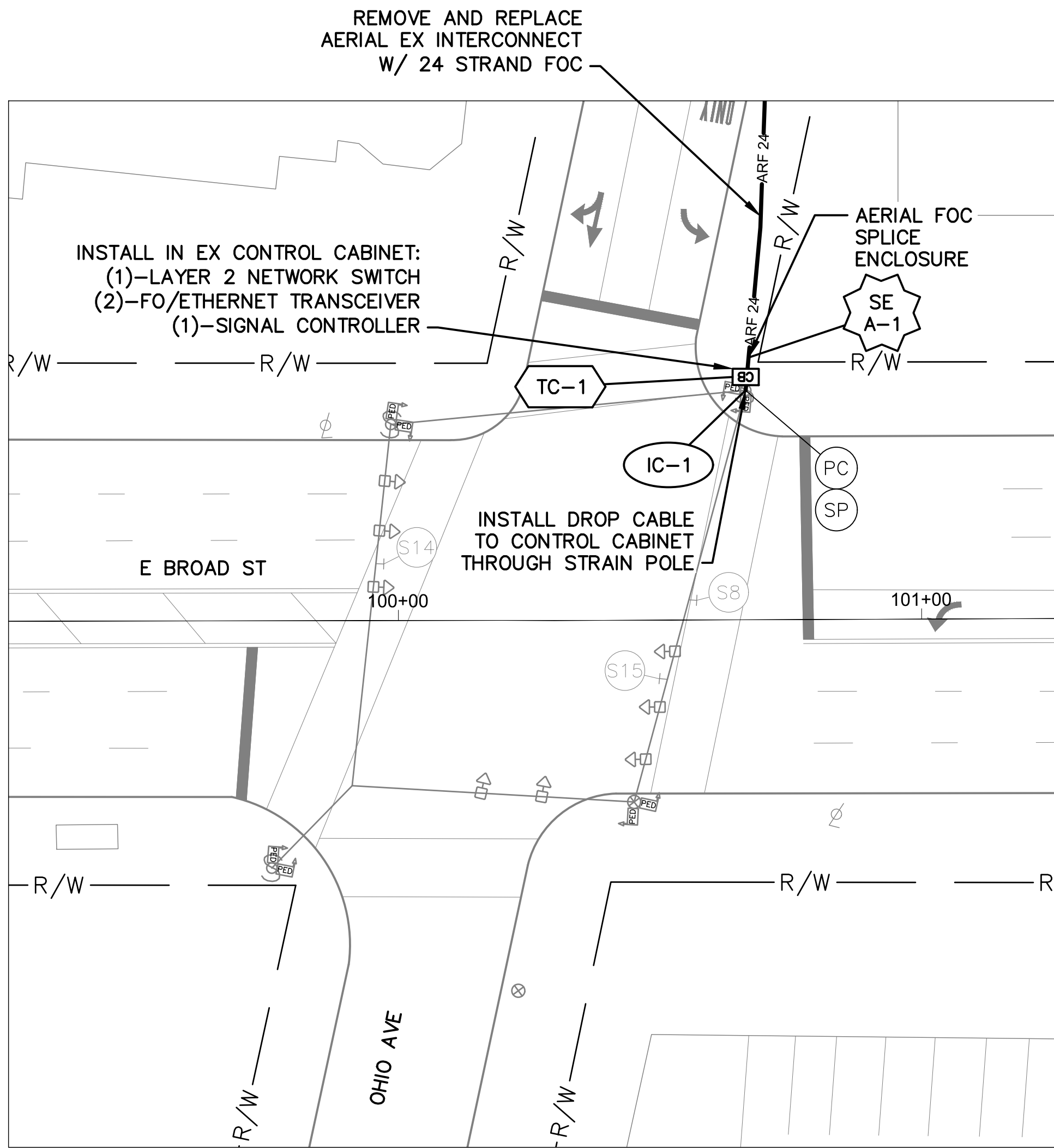
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

164  
1000

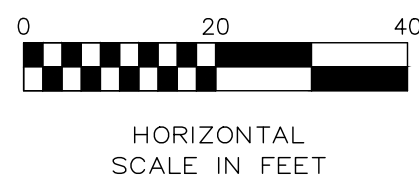
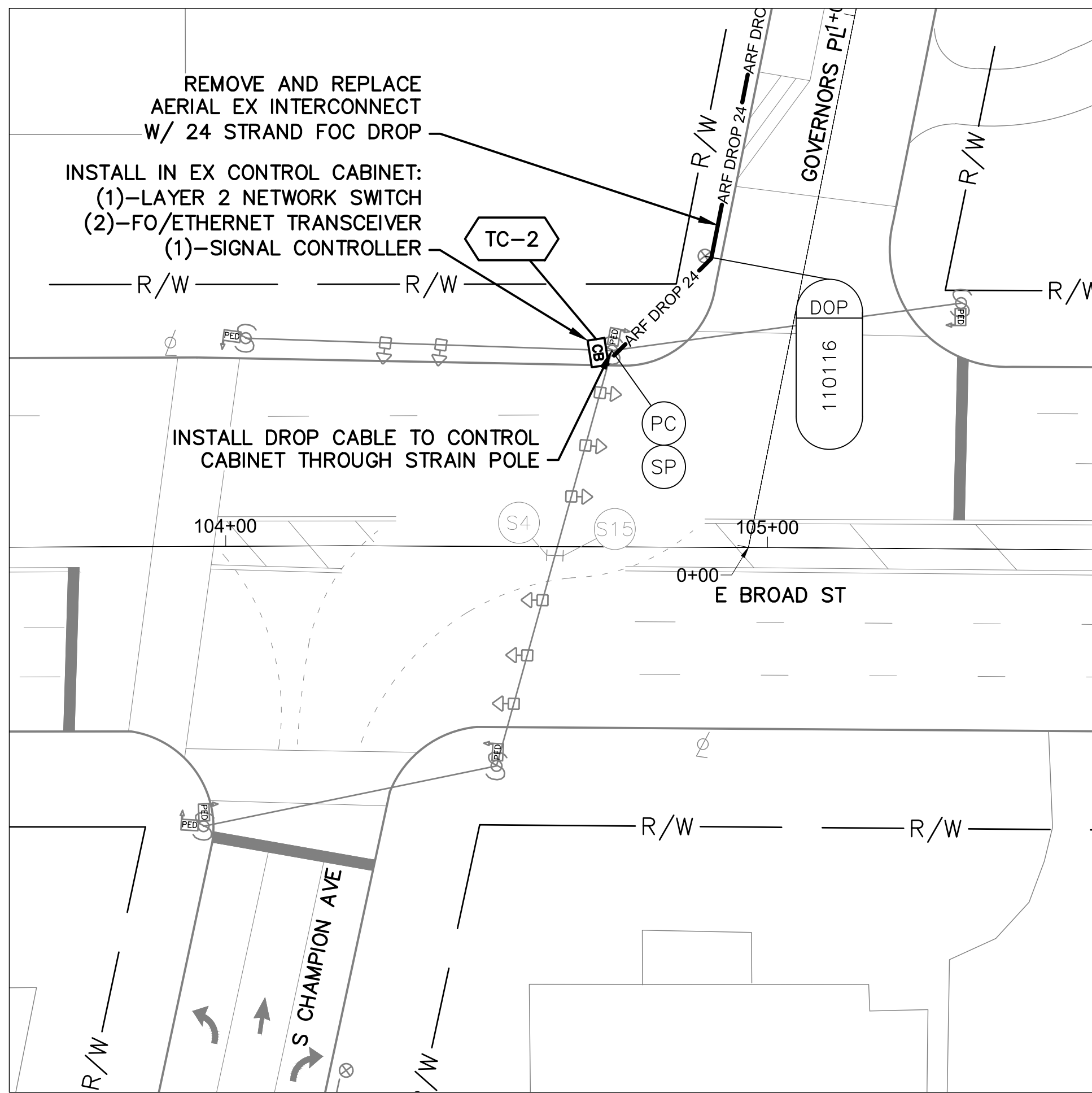
3150-E



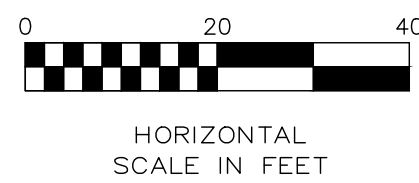
J:\Jobs\60135\TCHPRD00\Streets\CTSS\_PHD\_Trunk2\_BROAD\_INTERCONNECT.dwg — BROAD-4A layout — last saved by: skoganti 08/08/2016 03:33pm — printed 03/18/2020 05:31pm



DETAIL A - INT 3003 (SHEET 164)



DETAIL B - INT 3004 (SHEET 164)

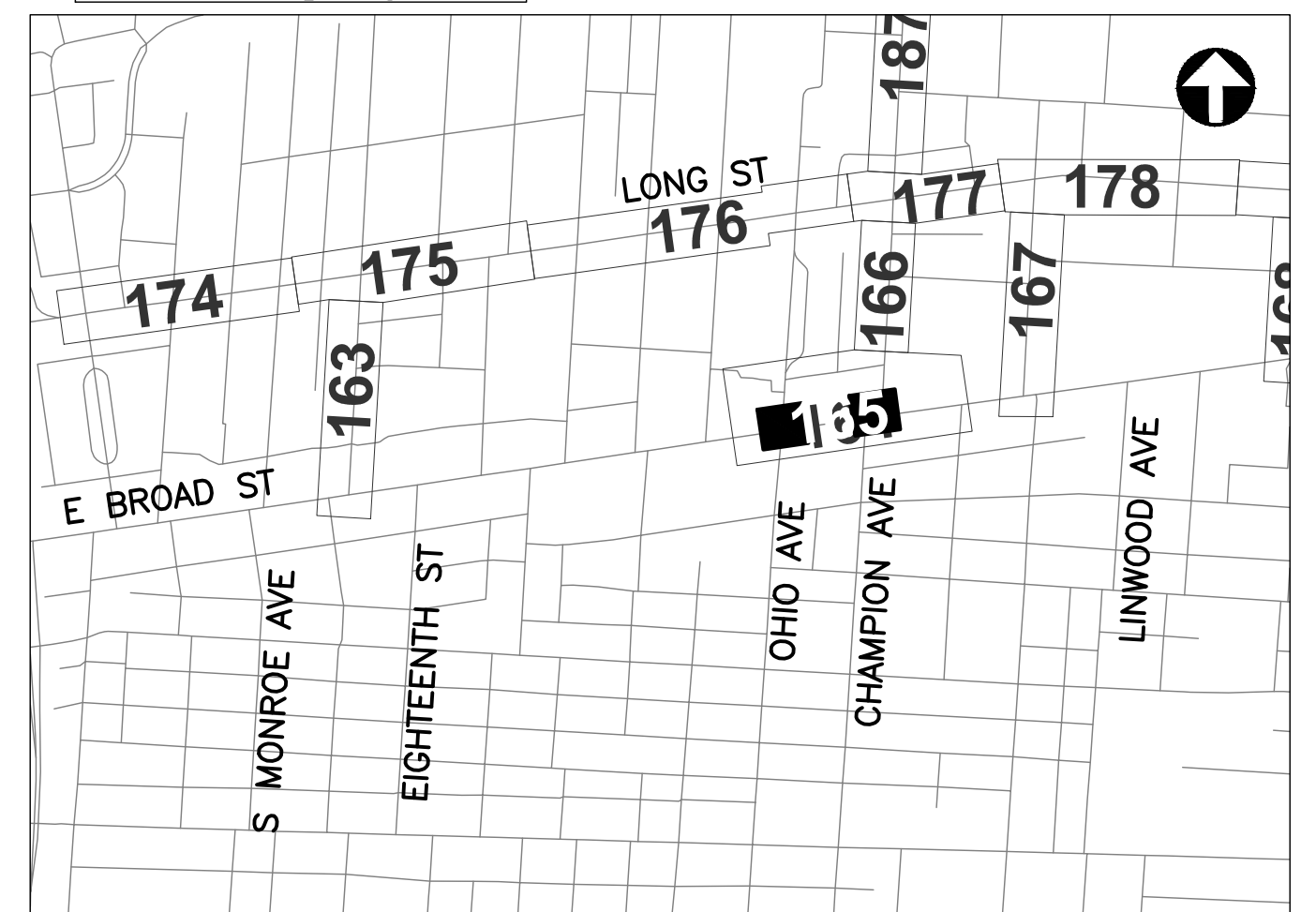


**NOTES:**

1. SEE SHEET 164 FOR INTERCONNECT PLAN.
2. SEE SHEET 171 FOR QUANTITIES.
3. SEE SHEETS 873 & 874 FOR COMMUNICATION DETAILS.



| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



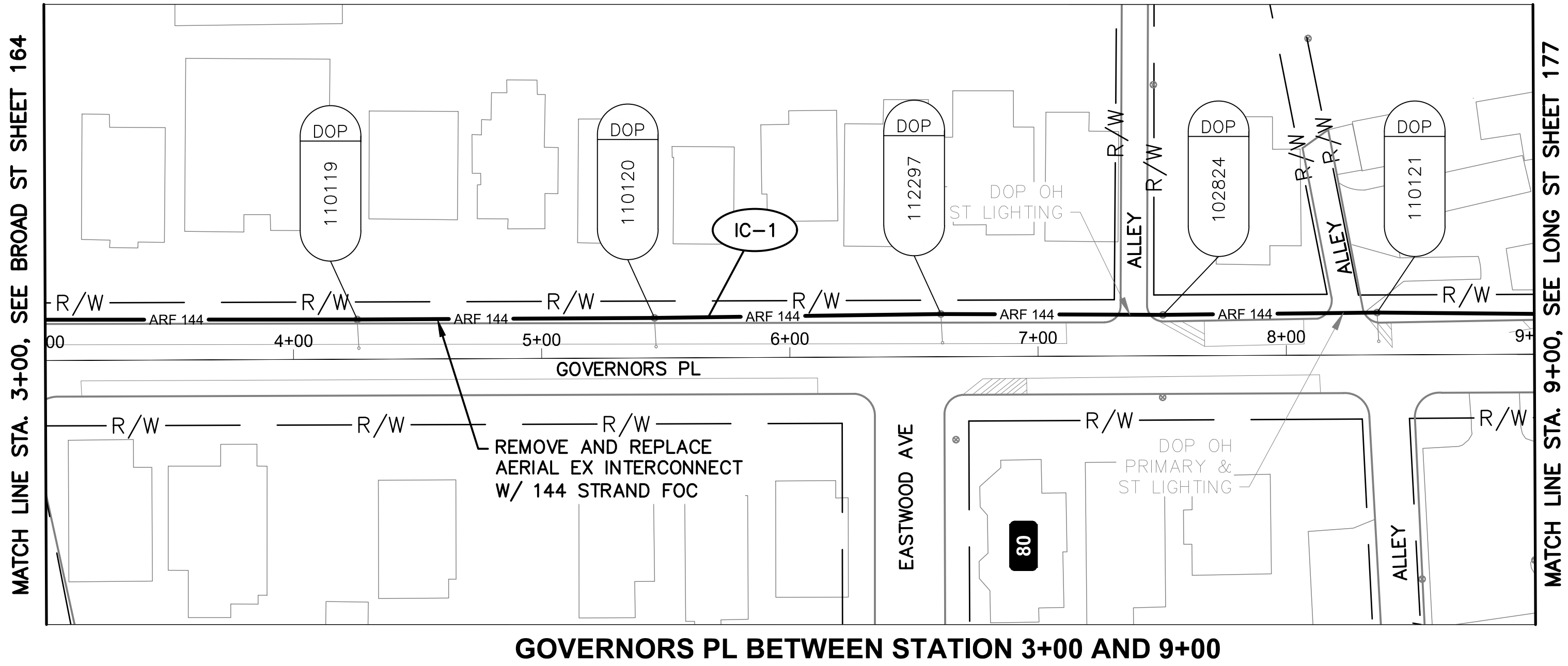
CIP: 540007-100006  
PID NUMBER: 82573

INTERSECTION DETAILS  
E BROAD ST, INTS 3003 & 3004

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D — CONSTRUCTION AS-BUILT



J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk2\_GOVERNOR\_INTERCONNECT.dwg -- GOVERNOR-1 layout -- last saved by: sdawny 08/16/2016 04:08pm -- printed: 03/18/2020 05:32pm

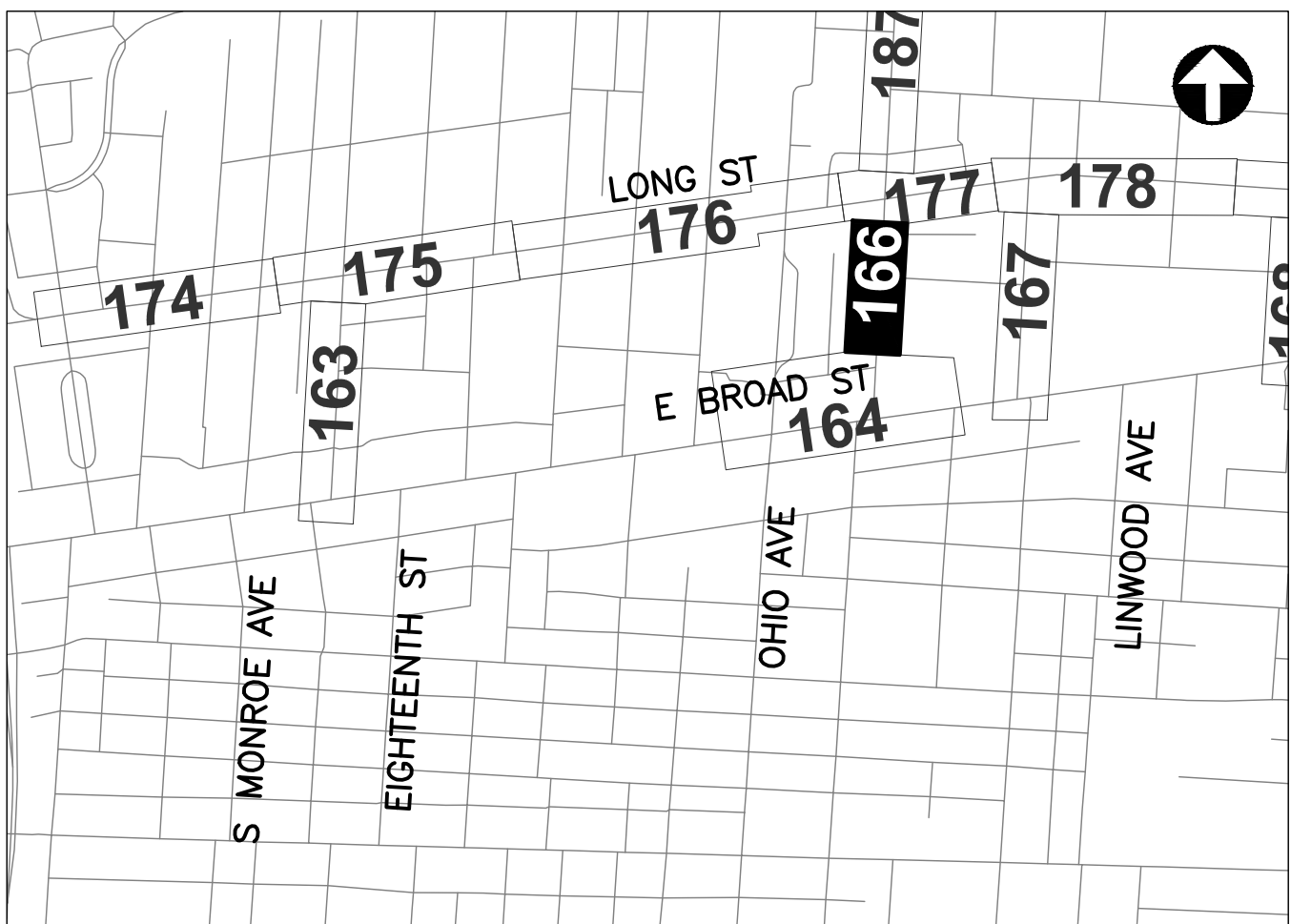


**NOTES:**

1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEET 678 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING

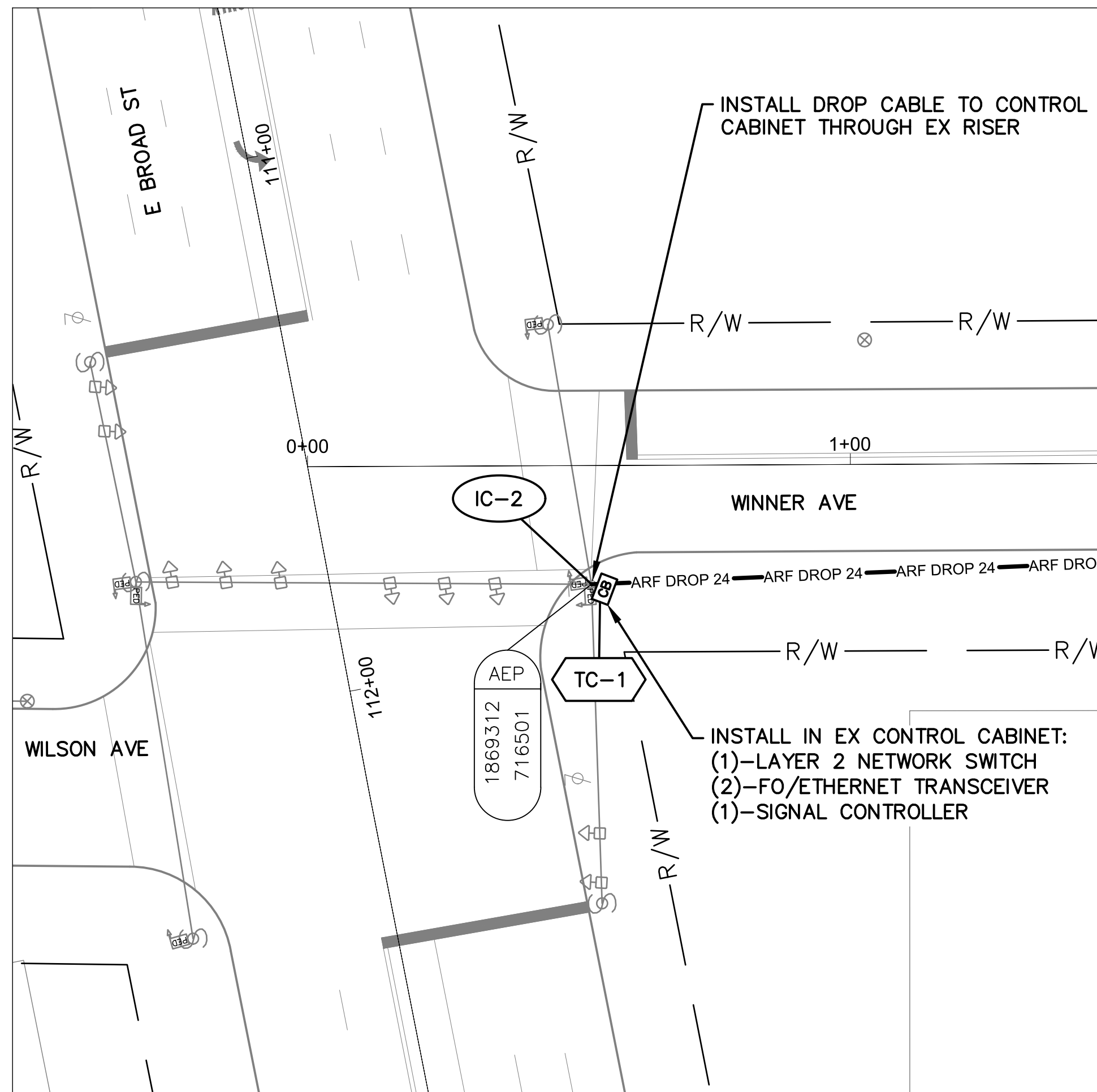
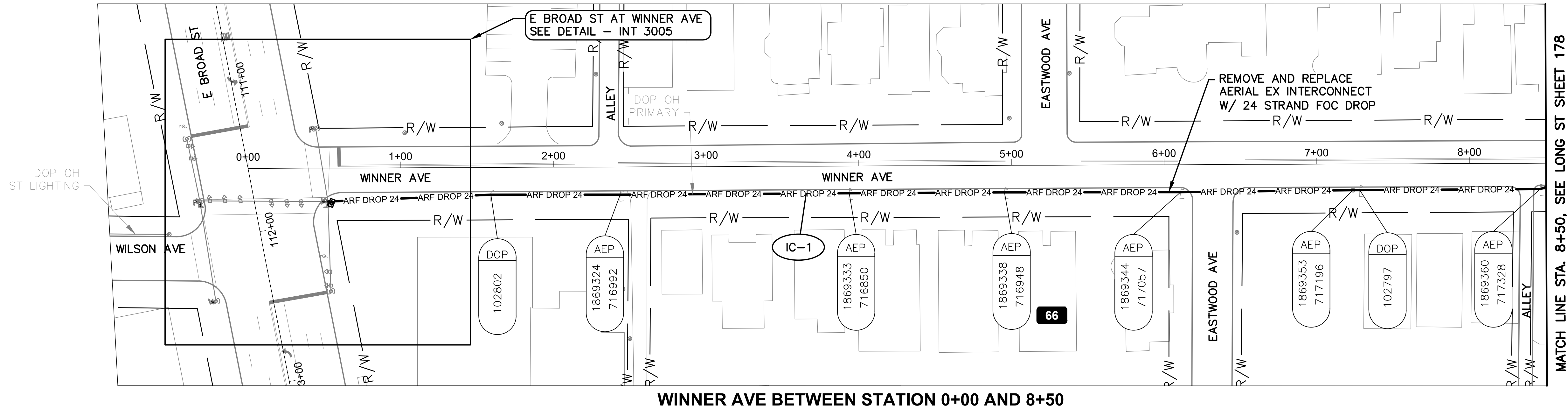


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



J:\Jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_Trunk2\_WINNER\_INTERCONNECT.dwg -- WINNER-1 layout -- last saved by: gburch 11/15/2018 01:48pm -- printed 03/18/2020 05:33pm

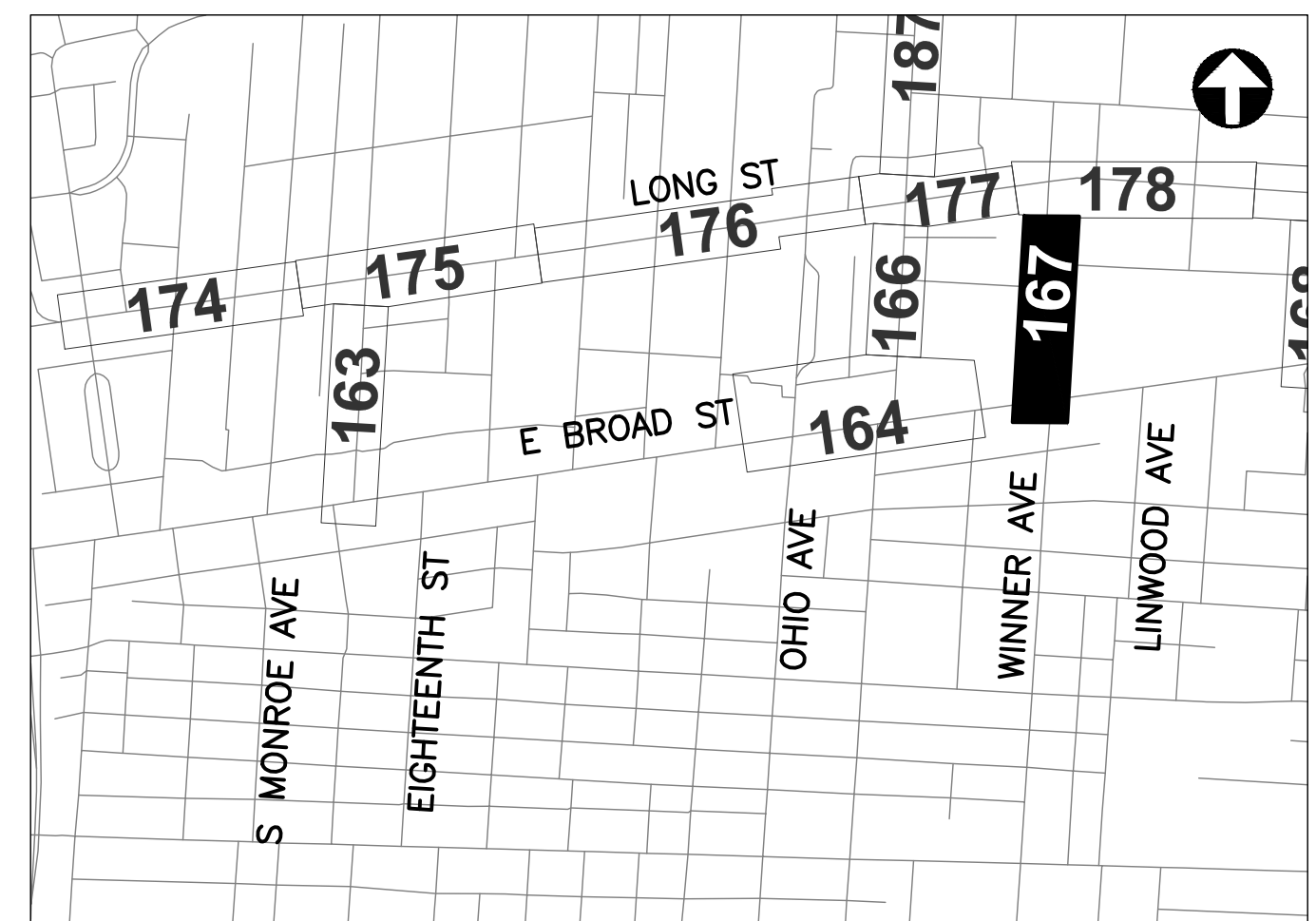
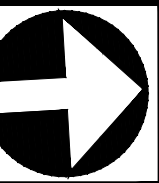


NOTES:

1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEETS 678 & 875 FOR COMMUNICATION DETAILS.

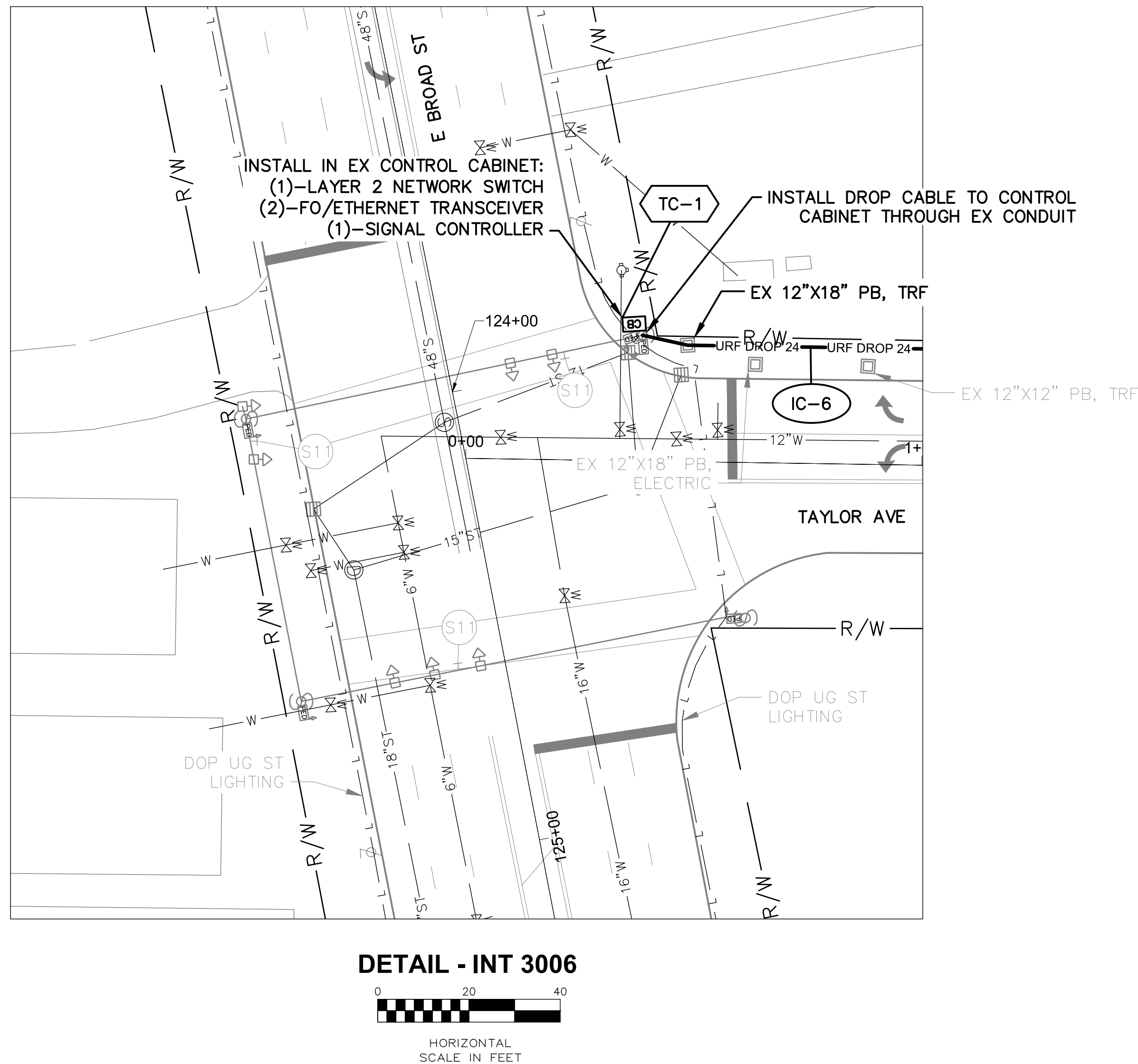
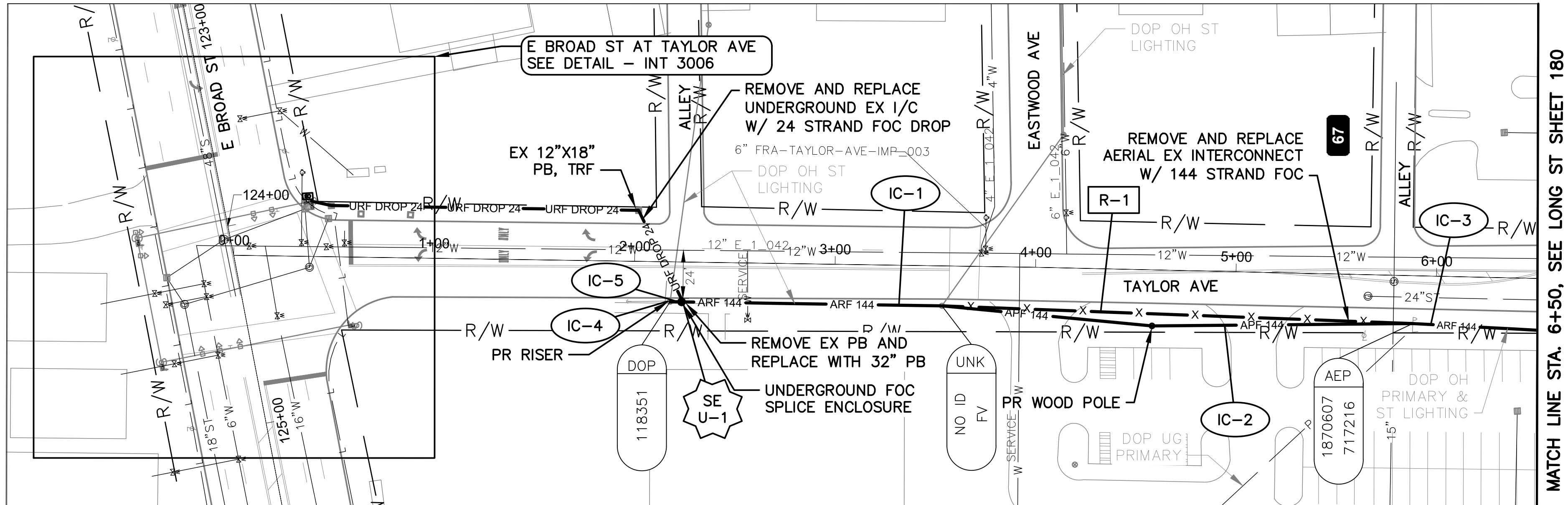


| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |





J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk2\_TAYLOR\_INTERCONNECT.dwg -- TAYLOR-1 layout -- last saved by: skgonzali 08/08/2016 03:32pm -- printed 03/18/2020 05:34pm



**NOTES:**

1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEETS 678 & 876 FOR COMMUNICATION DETAILS.

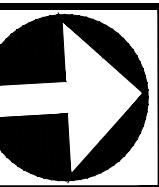


| CITY OF COLUMBUS UTILITY LEGEND     |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input checked="" type="checkbox"/> | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
TAYLOR AVE BETWEEN STA. 0+00 AND 6+50, INT 3006

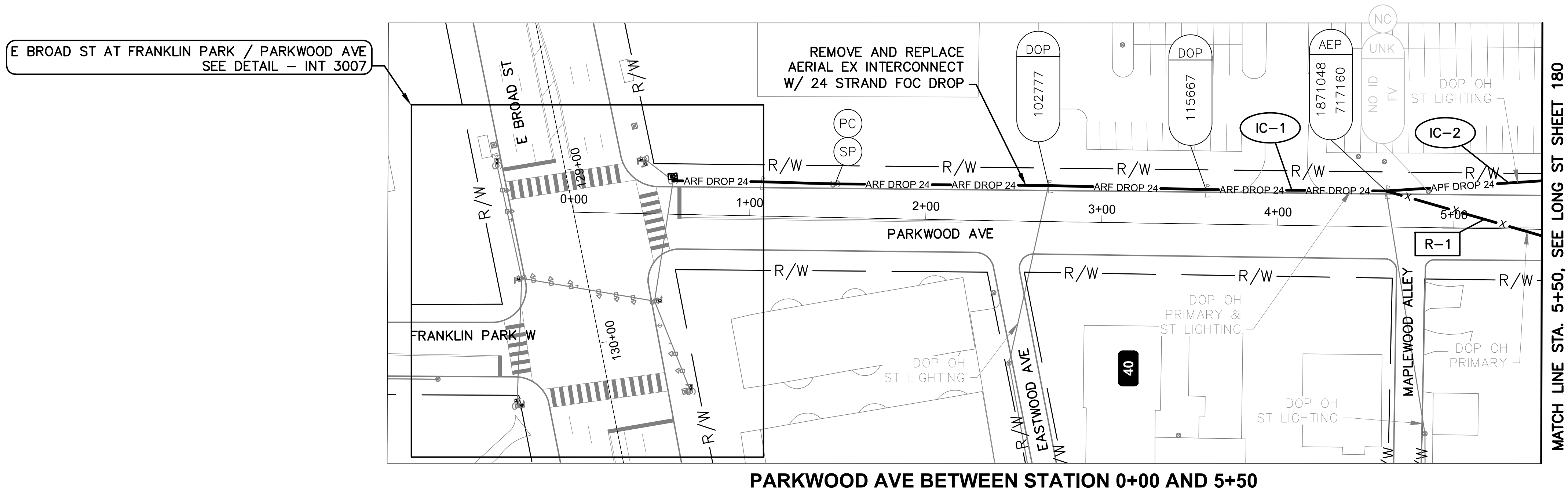
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

168  
1000

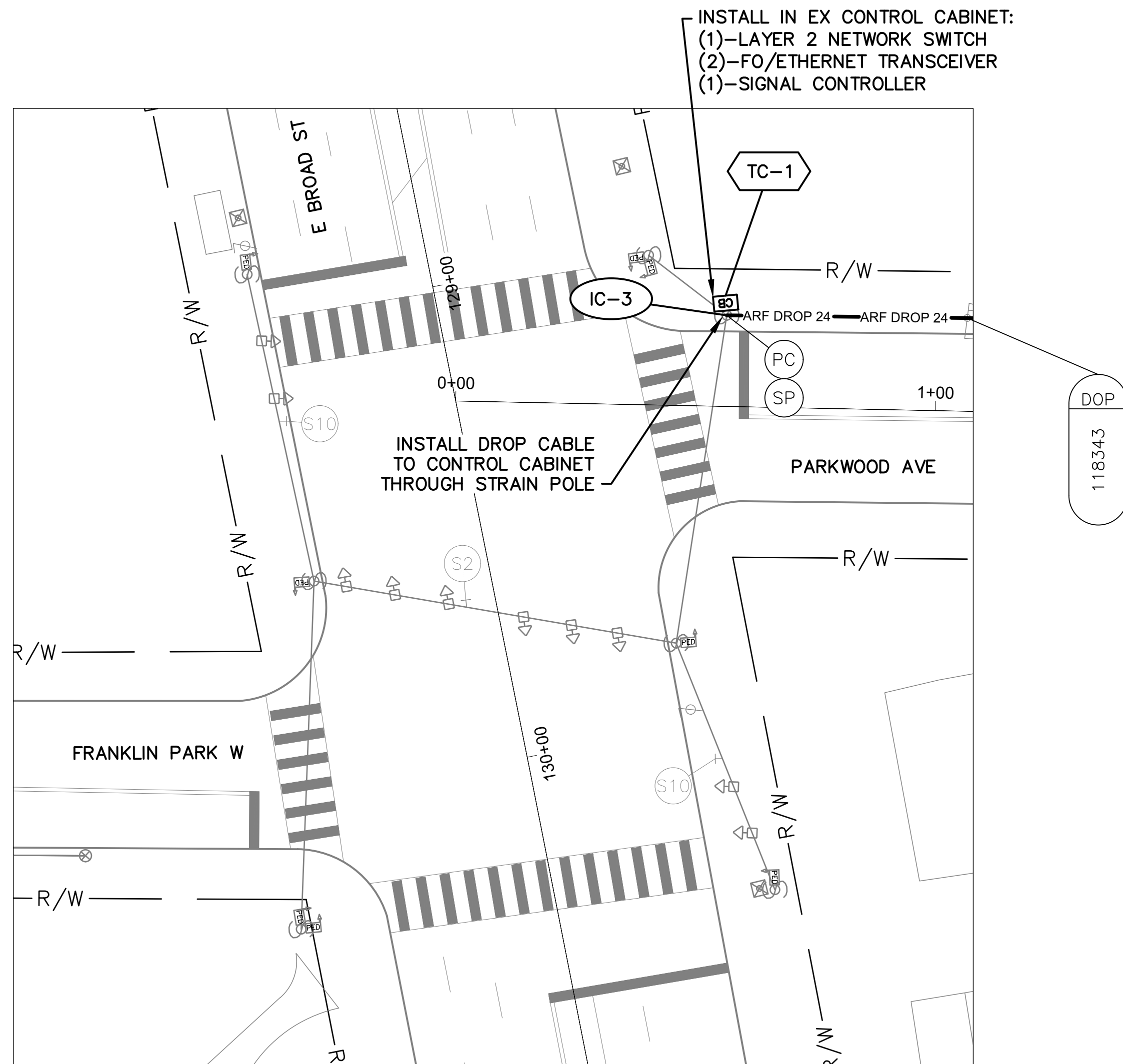
3150-E



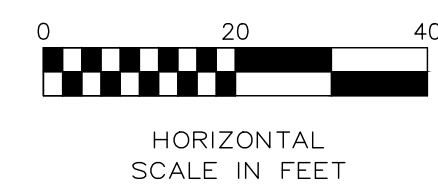
J:\Jobs\60135\TCHPROD\Streets\CTSS\PHD\_Trunk2\_PARKWOOD\_INTERCONNECT.dwg - PARKWOOD-1 layout ~ last saved by gburch 11/15/2018 02:28pm ~ printed 03/18/2020 05:35pm



PARKWOOD AVE BETWEEN STATION 0+00 AND 5+50



DETAIL - INT 3007



NOTES:

1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEETS 678 & 877 FOR COMMUNICATION DETAILS.



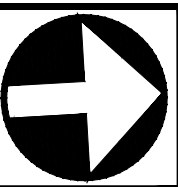
CITY OF COLUMBUS  
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
PARKWOOD AVE BTW STA. 0+00 & 5+50, INT 3007

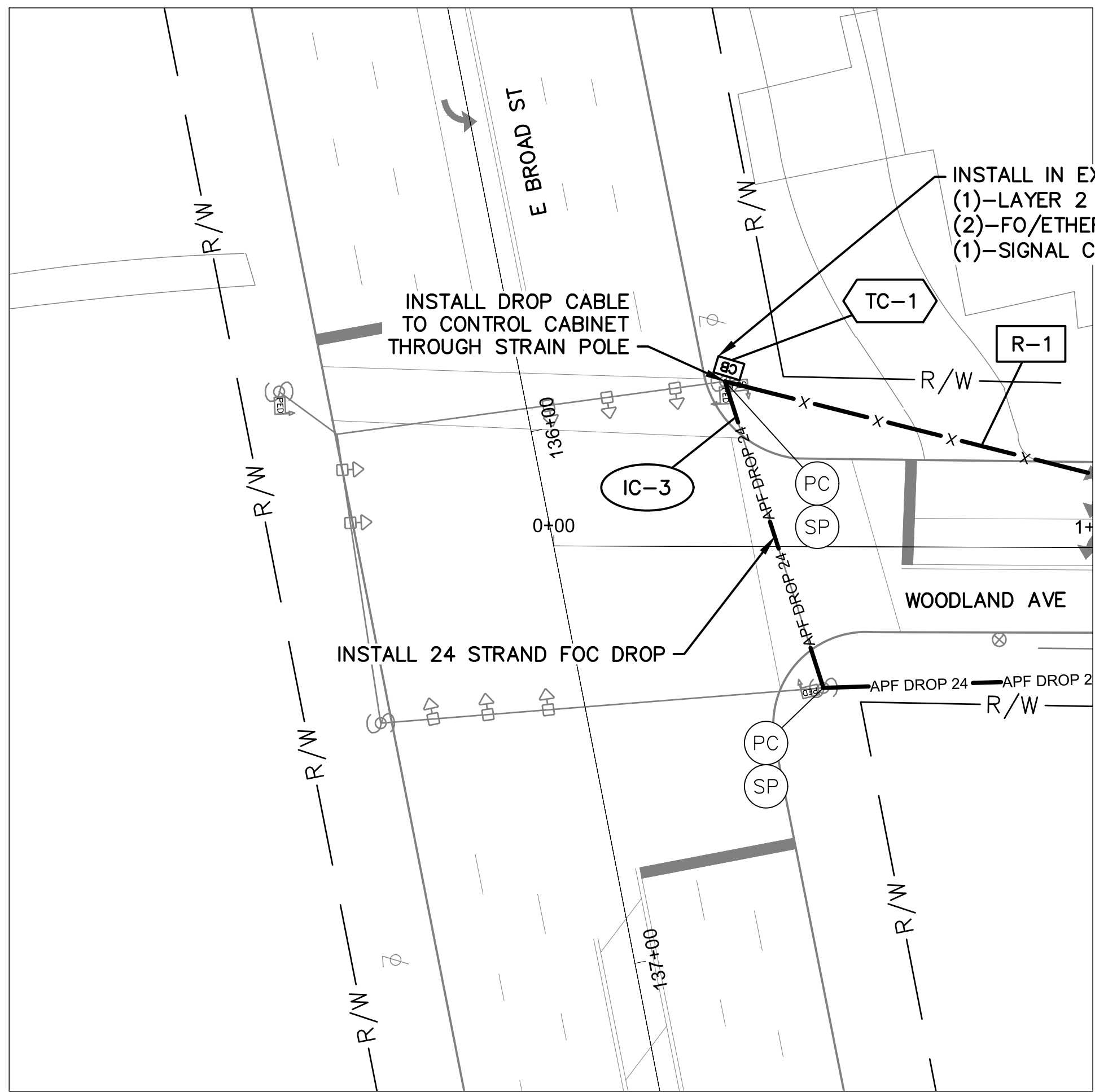
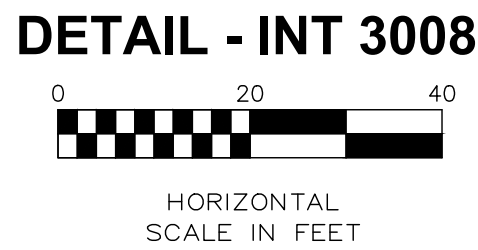
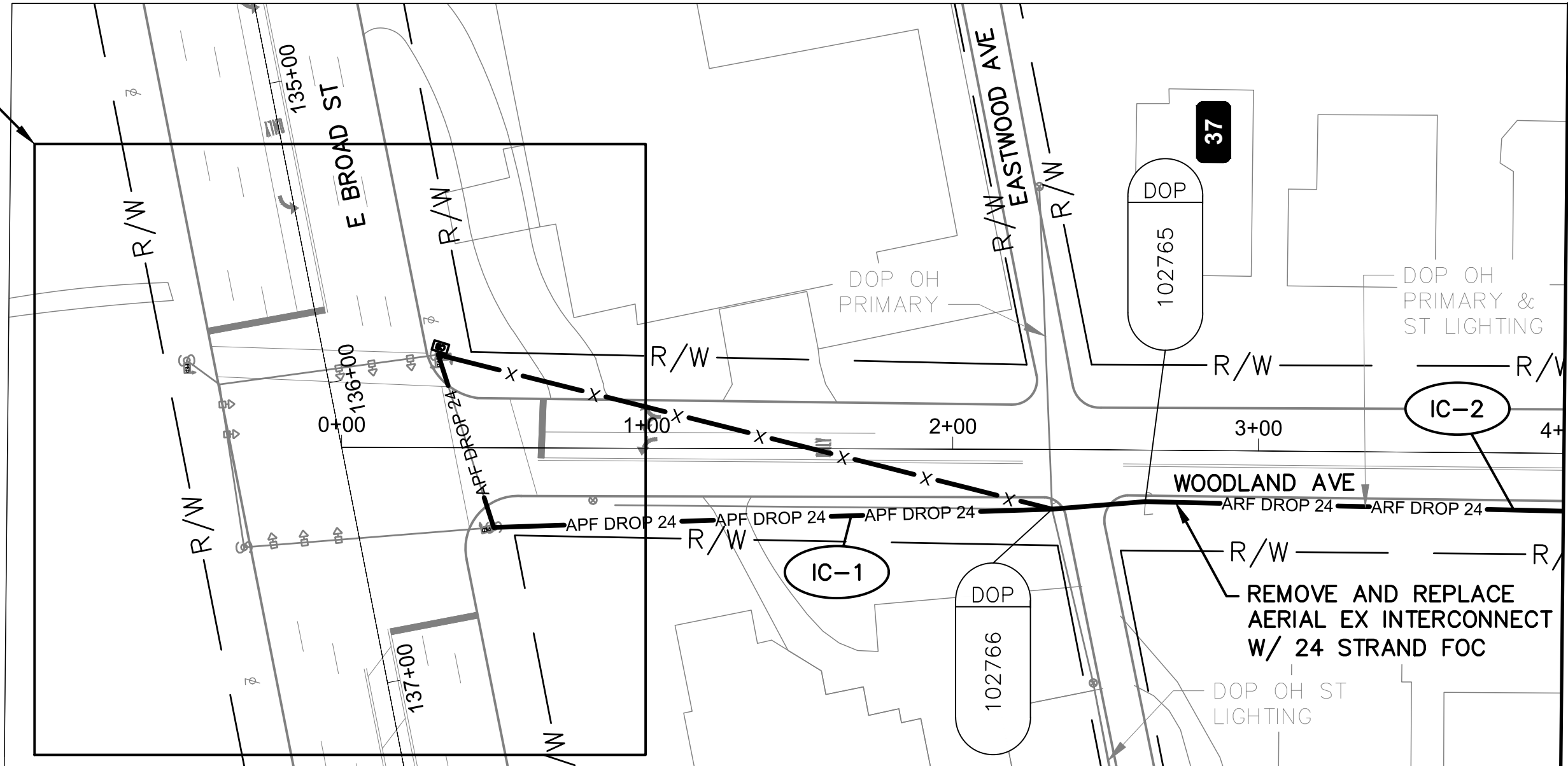
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

169  
1000

3150-E



J:\Jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_Trunk2\_WOODLAND\_INTERCONNECT.dwg -- WOODLAND-1 layout -- last saved by gburch 11/15/2018 02:24pm ~ printed 03/18/2020 05:36pm



**WOODLAND AVE BETWEEN STATION 0+00 AND 4+00**

MATCH LINE STA. 4+00, SEE LONG ST SHEET 181

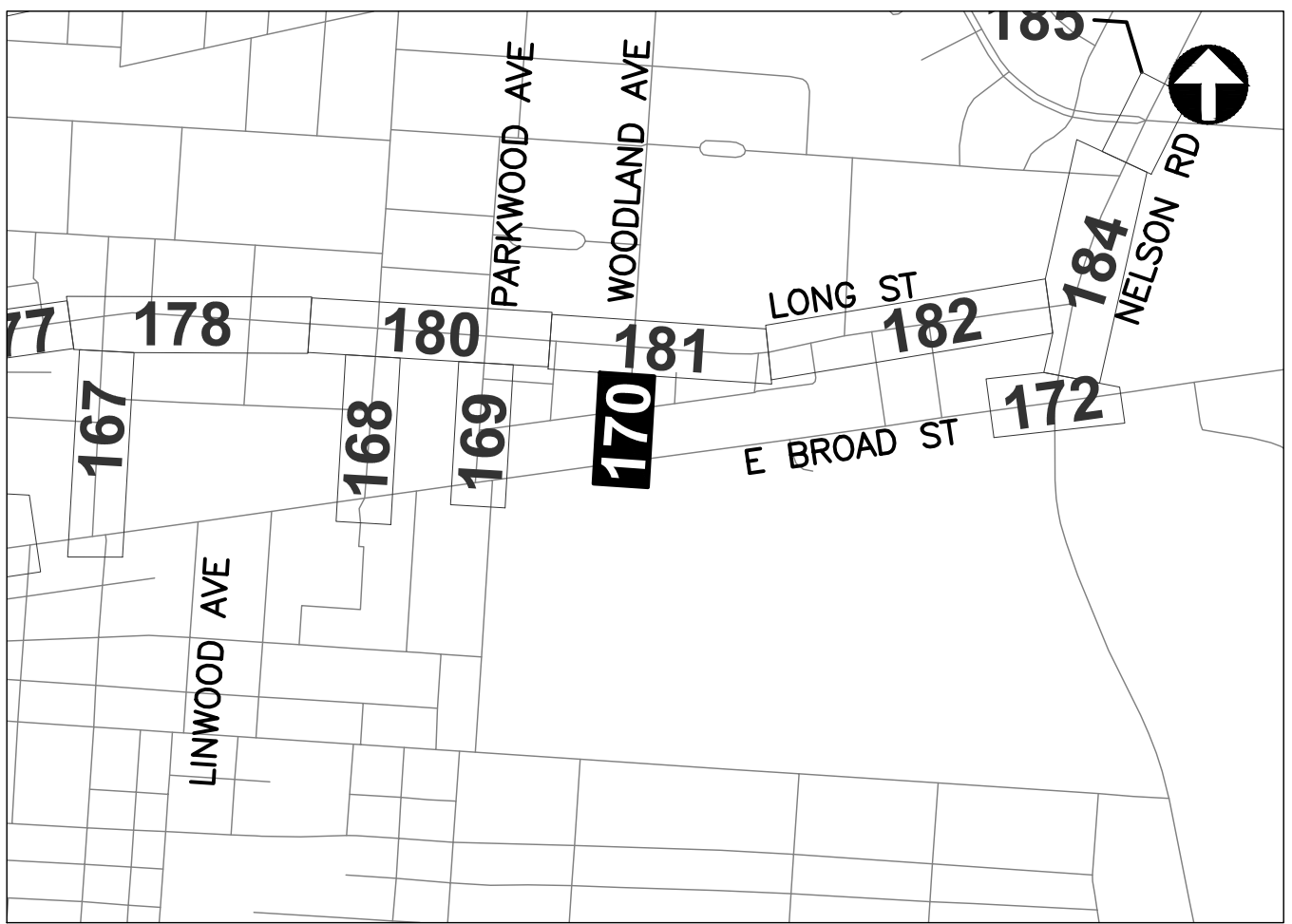
**NOTES:**

1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEETS 678 & 878 FOR COMMUNICATION DETAILS.



**CITY OF COLUMBUS UTILITY LEGEND**

|                                     |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



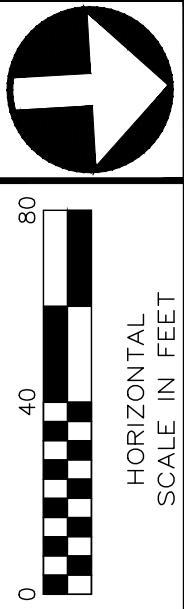
REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

INTERCONNECT PLAN  
WOODLAND AVE BTW STA. 0+00 & 4+00, INT 3008

CIP: 540007-100006  
PID NUMBER: 82573



**170**  
**1000**

**3150-E**



J:\Jobs\60135\TCHP600\Sheets\CTSS\_Phd\_Trunk2\_BROAD\_IC\_QUANTITIES.dwg -- BROAD-01 layout -- last saved by: gburch 07/29/2016 03:14pm -- printed 03/18/2020 05:37pm

| ESTIMATED QUANTITIES                                   |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
|--------------------------------------------------------|---------------|----------------|-----------------|------------------------------------------------|------------------------------------------------------------------|------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------|---|---|
| SHEET NO.                                              | REFERENCE NO. | LOCATION       | STATION         | 202                                            | 625                                                              | 625                                            | 625                                    | 632                                               | 632                                                                  | 632                                                                 | 632                                                                | 632                                                                             | 632                                                                        | 632                                                                                    | 632                                                                                    | 632                                                                                    | 632                                                                                  | 632                                  | 633                                                                                   | 633                                                           | 633                                                                          |   |   |
|                                                        |               |                |                 | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | CONDUIT, CONCRETE<br>ENCASED, 2-3", 725.05, AS<br>PER PLAN<br>FT | PULL BOX, CONCRETE<br>32", AS PER PLAN<br>EACH | TRENCH, 36" DEEP, AS<br>PER PLAN<br>FT | CONDUIT RISER, 2",<br>725.04, AS PER PLAN<br>EACH | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 24 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE<br>EACH | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT<br>FT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 450FT DROP<br>CABLE<br>EACH | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | WOOD POLE, CLASS 5, 35<br>FT<br>EACH | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2A2, AS PER<br>PLAN<br>EACH |   |   |
| FROM                                                   |               |                |                 | TO                                             |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| N SEVENTEENTH ST. BETWEEN STA. 0+00 AND 9+00, INT 3001 |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 163                                                    | TC-1          | SEVENTEENTH ST | 0+28, 56' LT    |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      | 1                                                                                     | 1                                                             | 1                                                                            |   |   |
| 163                                                    | IC-2          | SEVENTEENTH ST | 0+28, 56' LT    |                                                |                                                                  |                                                | 0+60, 16' LT                           |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        | 1                                                                                    |                                      | 138                                                                                   |                                                               |                                                                              |   |   |
| 163                                                    | SE A-1        | SEVENTEENTH ST | 0+60, 16' LT    |                                                |                                                                  |                                                |                                        |                                                   |                                                                      | 75                                                                  | 12                                                                 |                                                                                 |                                                                            | 1                                                                                      |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 163                                                    | IC-1          | SEVENTEENTH ST | 0+60, 16' LT    |                                                |                                                                  |                                                | 9+00, 17' LT                           |                                                   |                                                                      | 853                                                                 |                                                                    | 840                                                                             |                                                                            |                                                                                        |                                                                                        |                                                                                        | 853                                                                                  |                                      |                                                                                       |                                                               |                                                                              |   |   |
|                                                        |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| E BROAD ST. BETWEEN STA. 98+00 AND 109+00              |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 164                                                    | IC-1          | BROAD ST       | 100+68, 44' LT  |                                                |                                                                  |                                                | 105+20, 242' LT                        |                                                   |                                                                      |                                                                     | 634                                                                |                                                                                 |                                                                            | 625                                                                                    |                                                                                        |                                                                                        | 634                                                                                  |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 164                                                    | IC-2          | BROAD ST       | 104+65, 37' LT  |                                                |                                                                  |                                                | 105+20, 242' LT                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 | 218                                                                        |                                                                                        |                                                                                        |                                                                                        | 1                                                                                    | 221                                  |                                                                                       |                                                               |                                                                              |   |   |
| 164                                                    | SE A-1        | BROAD ST       | 105+20, 242' LT |                                                |                                                                  |                                                |                                        |                                                   | 75                                                                   | 75                                                                  | 36                                                                 |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 164                                                    | IC-3          | GOVERNORS PL   | 2+17, 23' RT    |                                                |                                                                  |                                                | 3+00, 17' LT                           |                                                   |                                                                      | 59                                                                  |                                                                    |                                                                                 | 58                                                                         |                                                                                        |                                                                                        |                                                                                        | 59                                                                                   |                                      |                                                                                       |                                                               |                                                                              |   |   |
|                                                        |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| E BROAD ST. BETWEEN , INTS 3003 & 3004                 |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 165                                                    | SE A-1        | BROAD ST       | 100+68, 44' LT  |                                                |                                                                  |                                                |                                        |                                                   |                                                                      | 75                                                                  | 12                                                                 |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 165                                                    | IC-1          | BROAD ST       | 100+68, 44' LT  |                                                |                                                                  |                                                | 100+68, 44' LT                         |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        | 1                                                                                      |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 165                                                    | TC-1          | BROAD ST       | 100+68, 44' LT  |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      | 2                                                                                     |                                                               | 1                                                                            |   |   |
| 165                                                    | TC-2          | BROAD ST       | 100+65, 37' LT  |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      | 2                                                                                     | 1                                                             | 1                                                                            |   |   |
|                                                        |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| GOVERNORS PL. BETWEEN STA. 3+00 AND 9+00               |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 166                                                    | IC-1          | GOVERNORS PL   | 3+00, 17' LT    |                                                |                                                                  |                                                | 9+00, 16' LT                           |                                                   |                                                                      |                                                                     | 609                                                                |                                                                                 |                                                                            | 600                                                                                    |                                                                                        |                                                                                        | 609                                                                                  |                                      |                                                                                       |                                                               |                                                                              |   |   |
|                                                        |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| WINNER AVE. BETWEEN STA. 0+00 AND 8+50, INT 3005       |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 167                                                    | SE A-1        | WINNER AVE     | 0+52, 22' RT    |                                                |                                                                  |                                                |                                        |                                                   |                                                                      | 75                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 167                                                    | IC-2          | WINNER AVE     | 0+52, 22' RT    |                                                |                                                                  |                                                | 8+52, 15' RT                           |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 167                                                    | TC-1          | WINNER AVE     | 0+52, 22' RT    |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      | 2                                                                                     | 1                                                             | 1                                                                            |   |   |
| 167                                                    | IC-1          | WINNER AVE     | 0+52, 22' RT    |                                                |                                                                  |                                                | 8+50, 15' RT                           |                                                   |                                                                      |                                                                     | 810                                                                |                                                                                 | 798                                                                        |                                                                                        |                                                                                        |                                                                                        | 810                                                                                  |                                      |                                                                                       |                                                               |                                                                              |   |   |
|                                                        |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| TAYLOR AVE. BETWEEN STA. 2+00 AND 6+50, INT 3006       |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 168                                                    | TC-1          | TAYLOR AVE     | 0+35, 29' LT    |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 168                                                    | IC-6          | TAYLOR AVE     | 0+35, 29' LT    |                                                |                                                                  |                                                | 2+24, 20' RT                           |                                                   |                                                                      |                                                                     | 218                                                                |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 168                                                    | IC-4          | TAYLOR AVE     | 2+17, 20' RT    |                                                |                                                                  |                                                |                                        |                                                   | 1                                                                    | 35                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 168                                                    | IC-5          | TAYLOR AVE     | 2+17, 20' RT    |                                                |                                                                  |                                                | 2+24, 20' RT                           |                                                   |                                                                      | 6                                                                   |                                                                    | 6                                                                               |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 168                                                    | IC-1          | TAYLOR AVE     | 2+17, 20' RT    |                                                |                                                                  |                                                | 5+24, 20' RT                           |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 | 137                                                                        |                                                                                        |                                                                                        |                                                                                        | 137                                                                                  |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 168                                                    | SE U-1        | TAYLOR AVE     | 2+24, 20' RT    |                                                |                                                                  |                                                |                                        | 1                                                 |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            | 1                                                                                      |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 168                                                    | IC-2          | TAYLOR AVE     | 3+54, 20' RT    |                                                |                                                                  |                                                | 5+89, 20' RT                           |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 | 239                                                                        |                                                                                        |                                                                                        |                                                                                        | 239                                                                                  | 1                                    |                                                                                       |                                                               |                                                                              |   |   |
| 168                                                    | R-1           | TAYLOR AVE     | 3+54, 20' RT    |                                                |                                                                  |                                                | 5+89, 24' RT                           |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 | 235                                                                        |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 168                                                    | IC-3          | TAYLOR AVE     | 5+89, 24' RT    |                                                |                                                                  |                                                | 6+50, 26' RT                           |                                                   |                                                                      |                                                                     | 63                                                                 |                                                                                 |                                                                            | 62                                                                                     |                                                                                        |                                                                                        | 63                                                                                   |                                      |                                                                                       |                                                               |                                                                              |   |   |
|                                                        |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| PARKWOOD AVE. BETWEEN STA. 0+00 AND 5+50, INT 3007     |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 169                                                    | SE A-1        | PARKWOOD AVE   | 0+56, 19' LT    |                                                |                                                                  |                                                |                                        |                                                   |                                                                      | 75                                                                  | 24                                                                 |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 169                                                    | IC-3          | PARKWOOD AVE   | 0+56, 19' LT    |                                                |                                                                  |                                                | 0+56, 19' LT                           |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        | 1                                                                                      |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 169                                                    | TC-1          | PARKWOOD AVE   | 0+56, 19' LT    |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      | 2                                                                                     | 1                                                             | 1                                                                            |   |   |
| 169                                                    | IC-1          | PARKWOOD AVE   | 0+56, 19' LT    |                                                |                                                                  |                                                | 4+61, 20' LT                           |                                                   |                                                                      |                                                                     | 411                                                                |                                                                                 | 405                                                                        |                                                                                        |                                                                                        |                                                                                        | 411                                                                                  |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 169                                                    | IC-2          | PARKWOOD AVE   | 4+61, 20' LT    |                                                |                                                                  |                                                | 5+50, 26' LT                           |                                                   |                                                                      |                                                                     | 89                                                                 |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        | 89                                                                                   |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 169                                                    | R-1           | PARKWOOD AVE   | 4+61, 20' LT    |                                                |                                                                  |                                                | 5+50, 0' RT                            |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 | 92                                                                         |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
|                                                        |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| WOODLAND AVE. BETWEEN STA. 0+00 AND 4+00, INT 3008     |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 170                                                    | TC-1          | WOODLAND AVE   | 0+31, 30' LT    |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 170                                                    | IC-3          | WOODLAND AVE   | 0+31, 30' RT    |                                                |                                                                  |                                                | 0+49, 26' RT                           |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        | 1                                                                                      | 60                                                                                   |                                      | 2                                                                                     | 1                                                             | 1                                                                            |   |   |
| 170                                                    | R-1           | WOODLAND AVE   | 0+31, 30' LT    |                                                |                                                                  |                                                | 2+32, 20' RT                           |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 | 207                                                                        |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 170                                                    | SE A-1        | WOODLAND AVE   | 0+49, 26' RT    |                                                |                                                                  |                                                |                                        |                                                   |                                                                      | 75                                                                  | 24                                                                 |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 170                                                    | IC-1          | WOODLAND AVE   | 0+49, 26' RT    |                                                |                                                                  |                                                | 2+32, 20' RT                           |                                                   |                                                                      |                                                                     | 186                                                                |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        | 186                                                                                  |                                      |                                                                                       |                                                               |                                                                              |   |   |
| 170                                                    | IC-2          | WOODLAND AVE   | 2+32, 20' RT    |                                                |                                                                  |                                                | 4+00, 19' RT                           |                                                   |                                                                      |                                                                     | 170                                                                |                                                                                 | 167                                                                        |                                                                                        |                                                                                        |                                                                                        | 170                                                                                  |                                      |                                                                                       |                                                               |                                                                              |   |   |
|                                                        |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
|                                                        |               |                |                 |                                                |                                                                  |                                                |                                        |                                                   |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                        |                                                                                      |                                      |                                                                                       |                                                               |                                                                              |   |   |
| SHEET TOTAL                                            |               |                |                 | 218                                            | 6                                                                | 1                                              | 6                                      | 1                                                 | 1,298                                                                | 3,603                                                               | 144                                                                | 4,442                                                                           | 7                                                                          | 4                                                                                      | 1                                                                                      | 2                                                                                      | 4,679                                                                                | 1                                    | 13                                                                                    | 7                                                             | 7                                                                            | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT

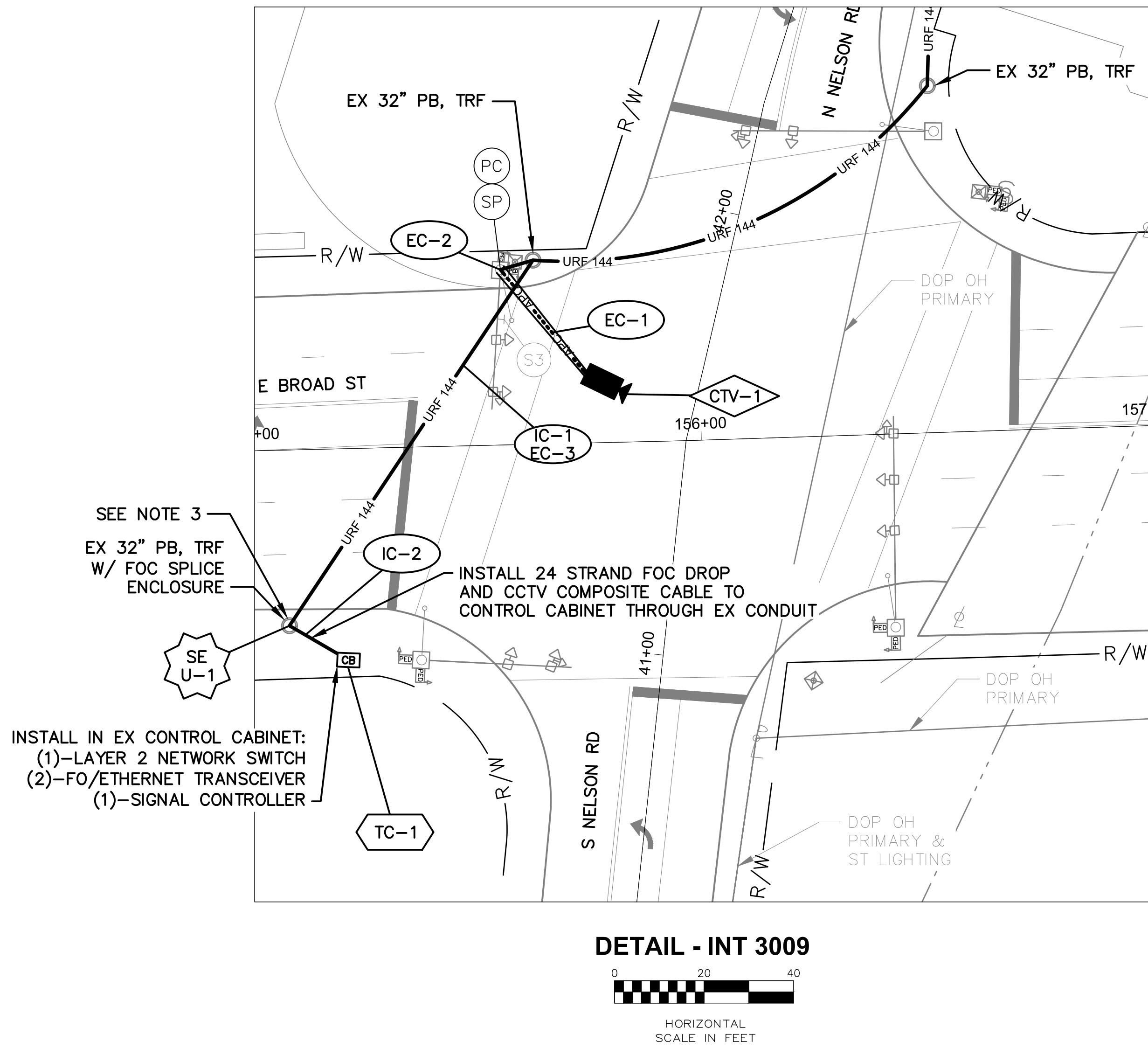
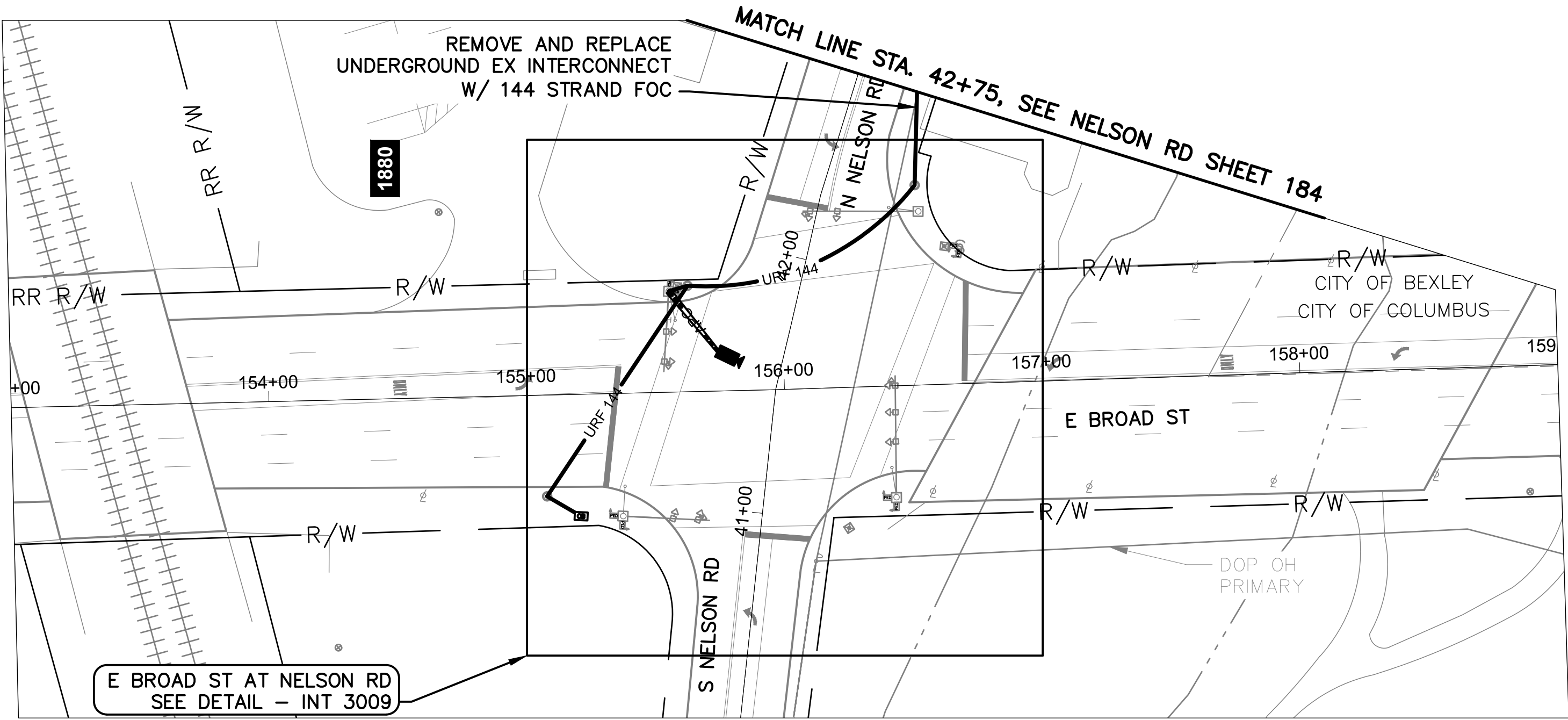
BROAD ST BTW STA. 98+00 & 109+00 AND VARIOUS CONNECTORS FROM LONG  
INTS 3001, 3003, 3004, 3005, 3006, 3007, 3008

CIP: 540007--100006  
PID NUMBER: 82573

171  
1000



J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk2\_BROAD\_INTERCONNECT.dwg - BROAD-9 layout ~ last saved by: skaganti 08/08/2016 03:33pm ~ printed 03/18/2020 05:39pm

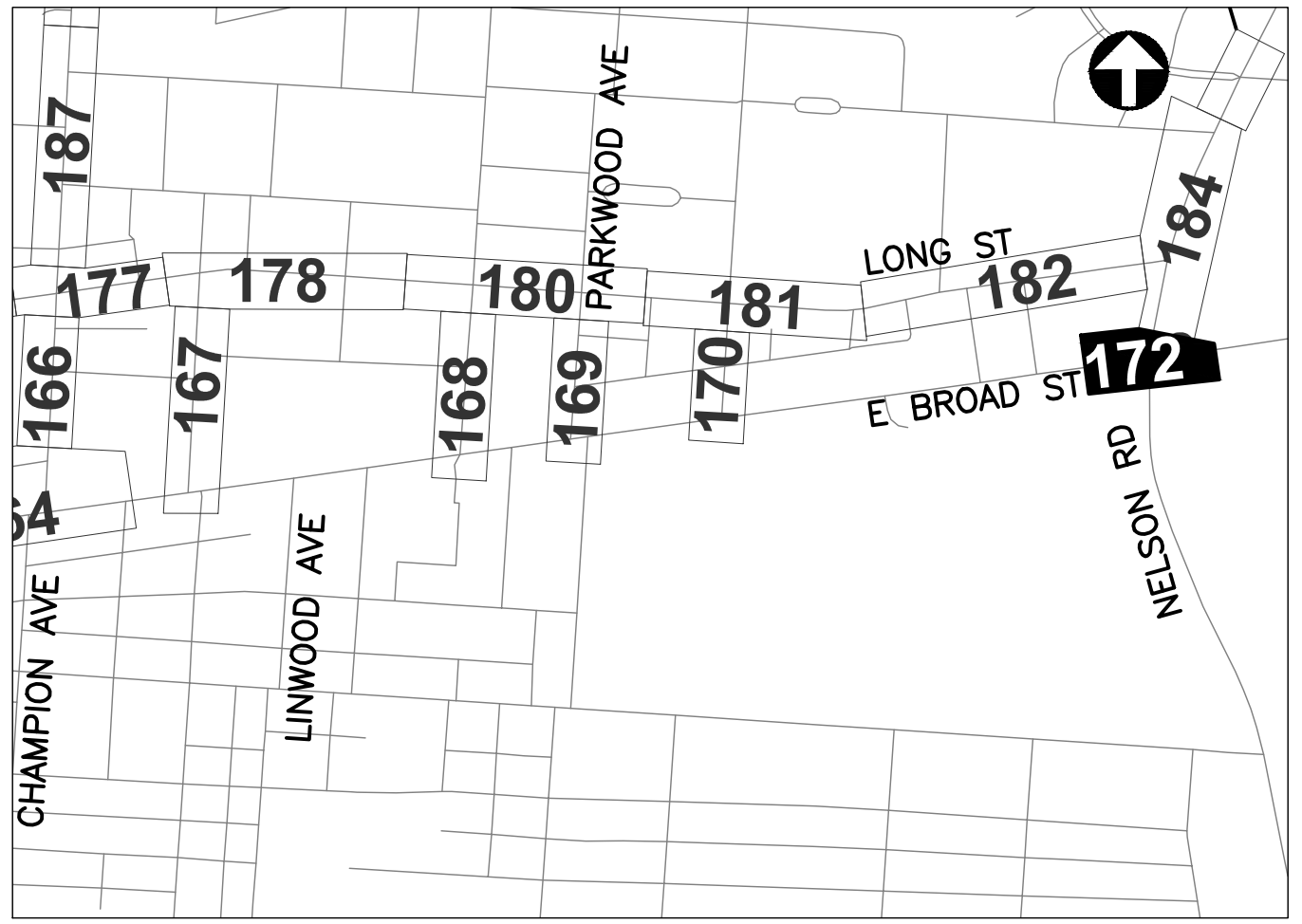


**NOTES:**

1. SEE SHEET 173 FOR QUANTITIES.
2. SEE SHEETS 678 & 879 FOR COMMUNICATION DETAILS.
3. TIE-IN LOCATION FOR BEXLEY FOR FUTURE PROJECTS.

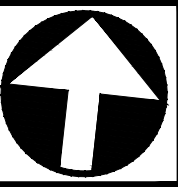
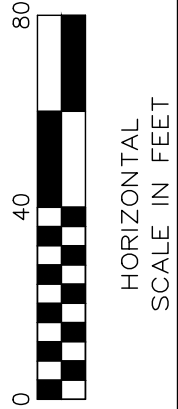
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  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E BROAD ST BETWEEN STA. 153+00 AND 159+00, INT 3009

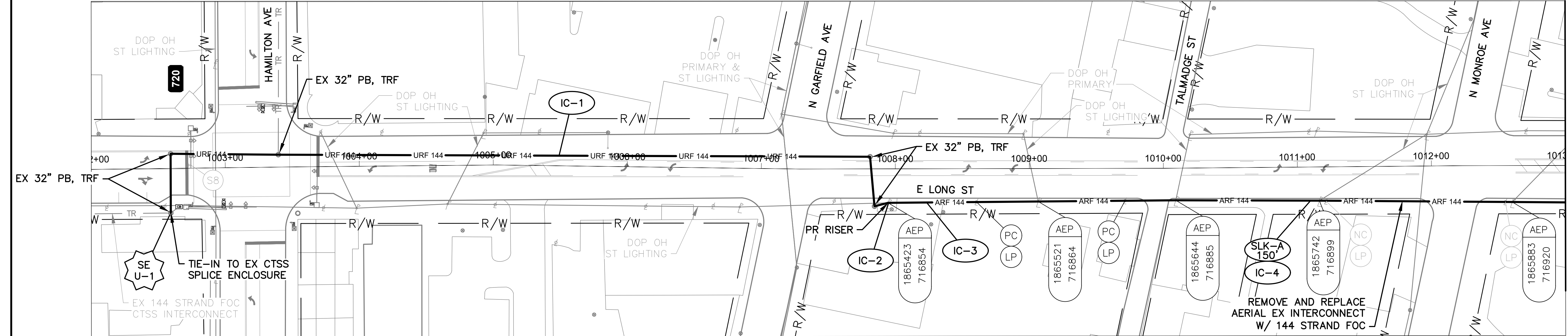
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



A circular logo with a double-line border. Inside, the number '173' is positioned above a horizontal line, and the number '1000' is positioned below the line.



J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk2\_LONG\_INTERCONNECT.dwg -- LONG-1 layout -- last saved by gburch 11/15/2018 02:19pm ~ printed 03/18/2020 05:40pm



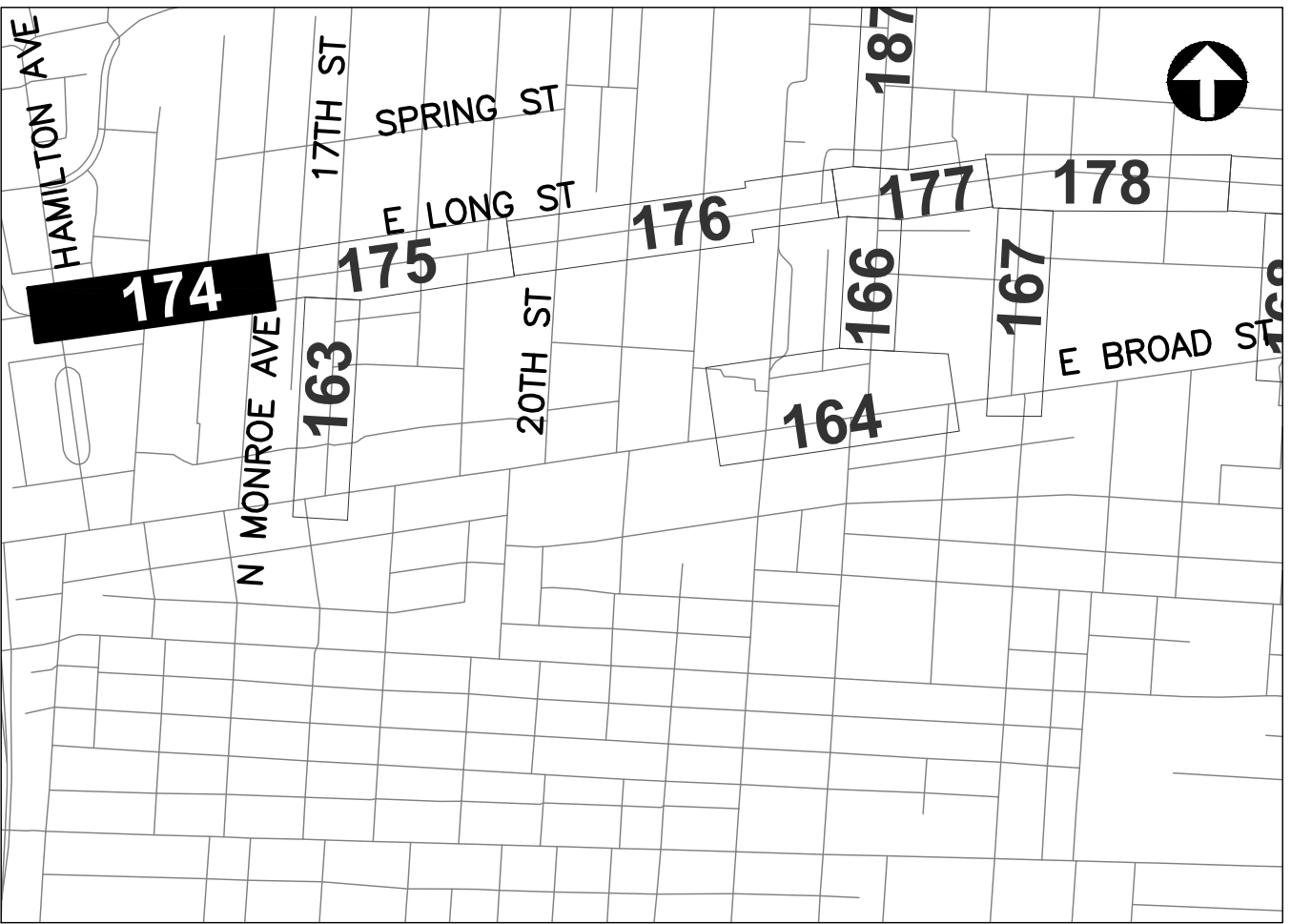
E LONG ST BETWEEN STATION 1002+00 AND 1013+00

- NOTES:
1. SEE SHEET 179 FOR QUANTITIES.
  2. SEE SHEETS 678 & 862 FOR COMMUNICATION DETAILS.

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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

0 40 80  
HORIZONTAL  
SCALE IN FEET

CIP: 540007-100006  
PID NUMBER: 82573

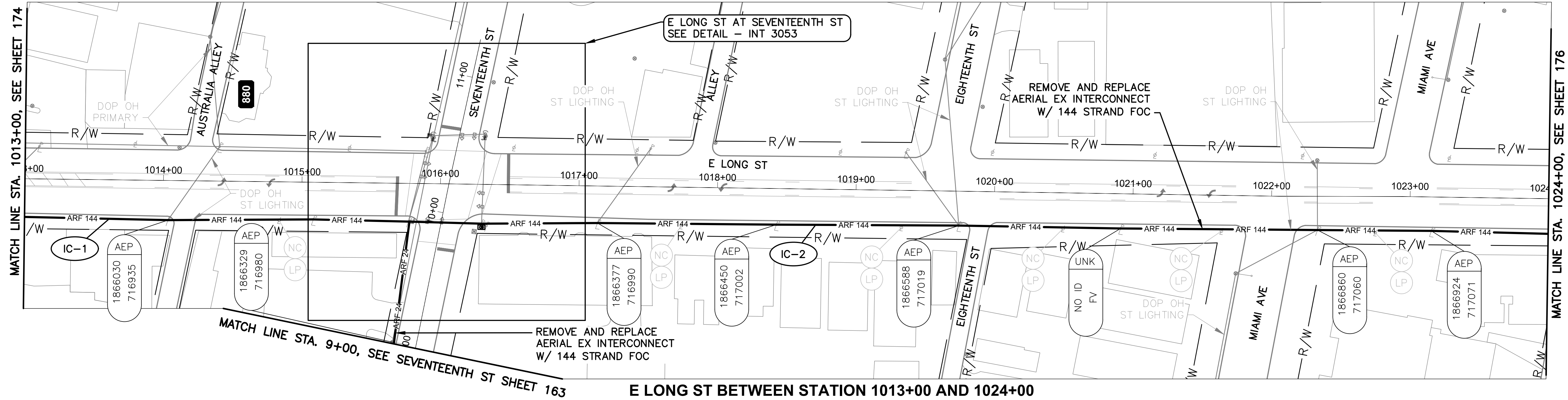
INTERCONNECT PLAN  
E LONG ST BETWEEN STA. 1002+00 AND 1013+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

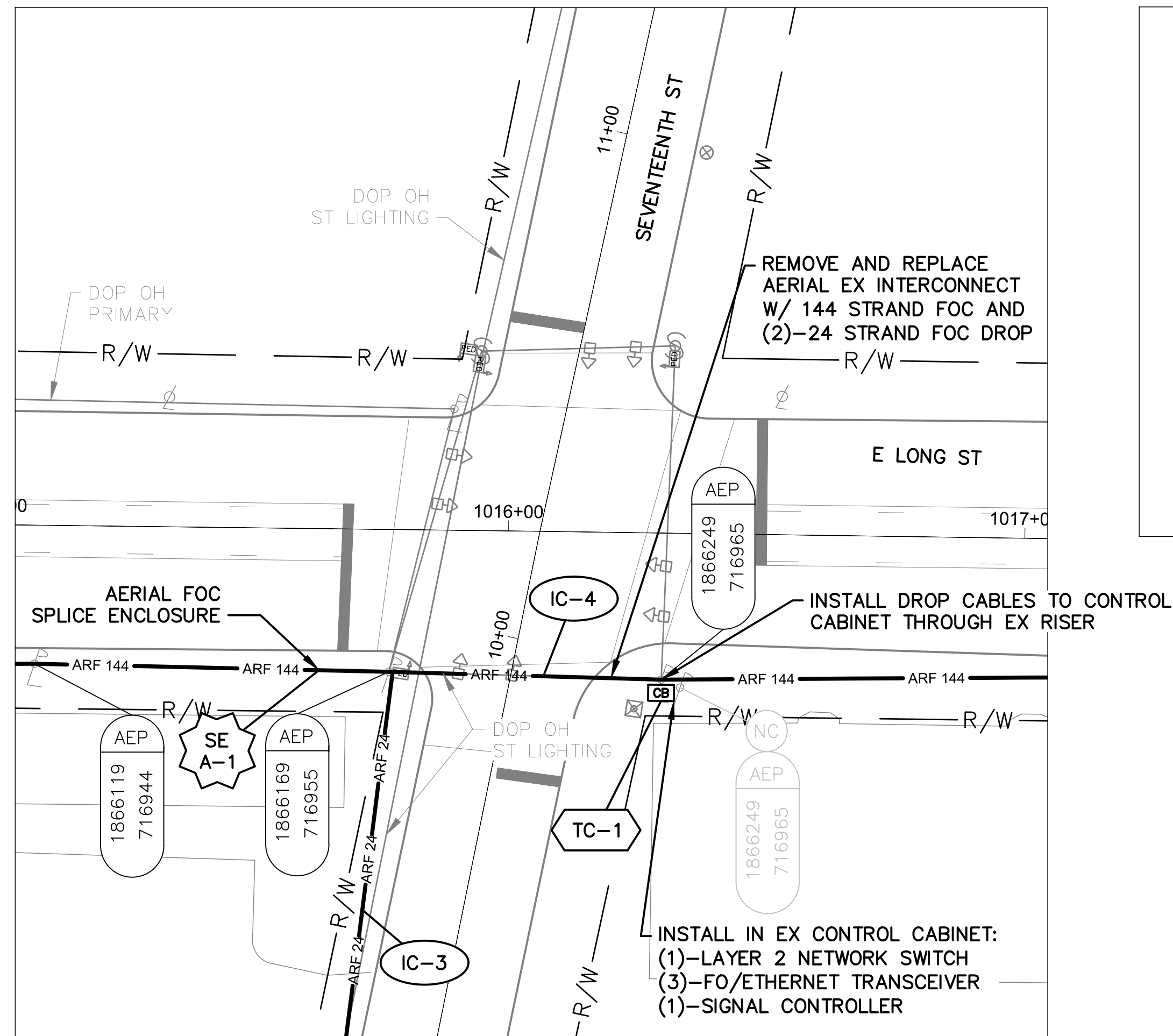
174  
1000



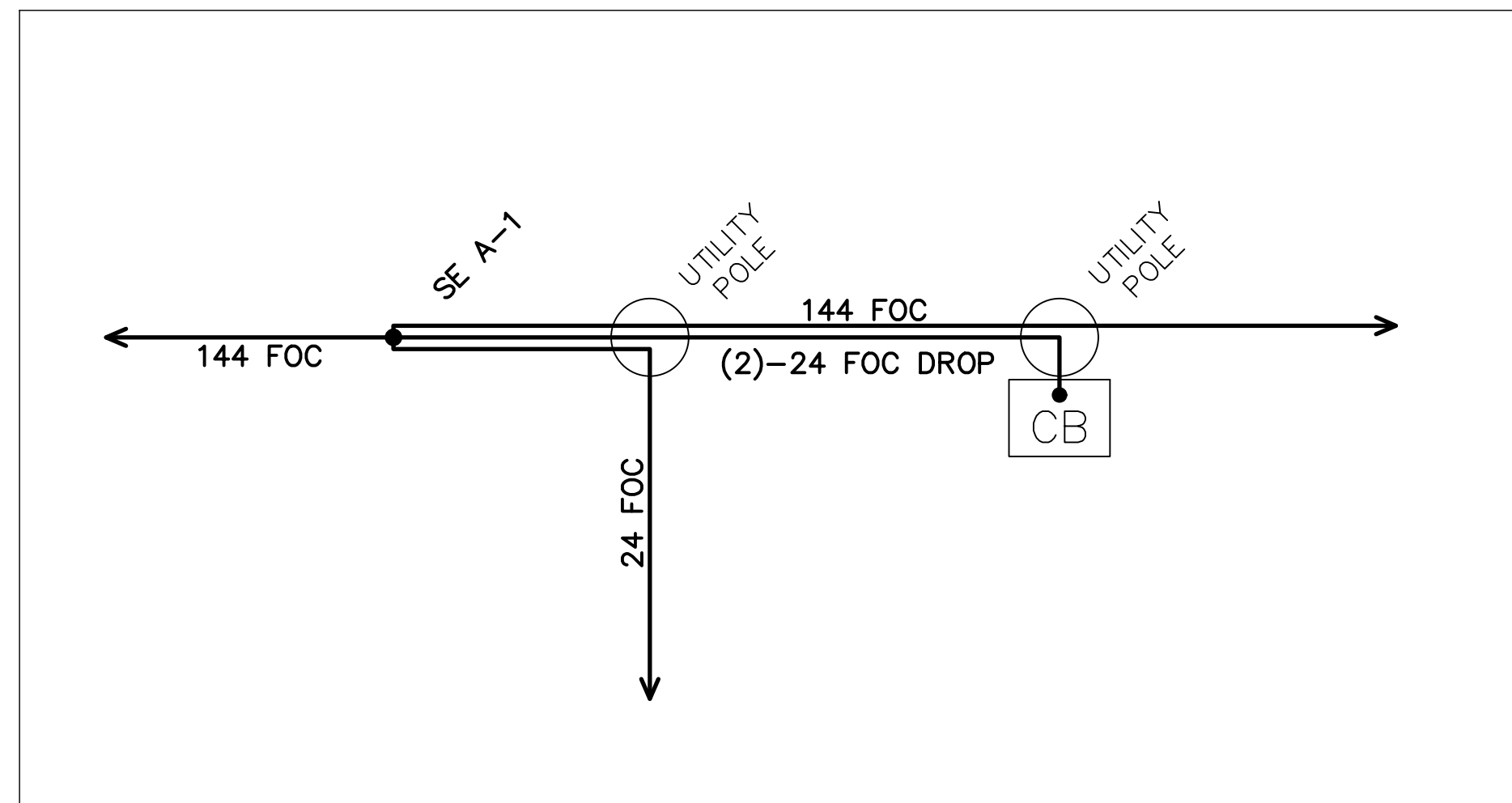
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E LONG ST BETWEEN STATION 1013+00 AND 1024+00



DETAIL - INT 3053



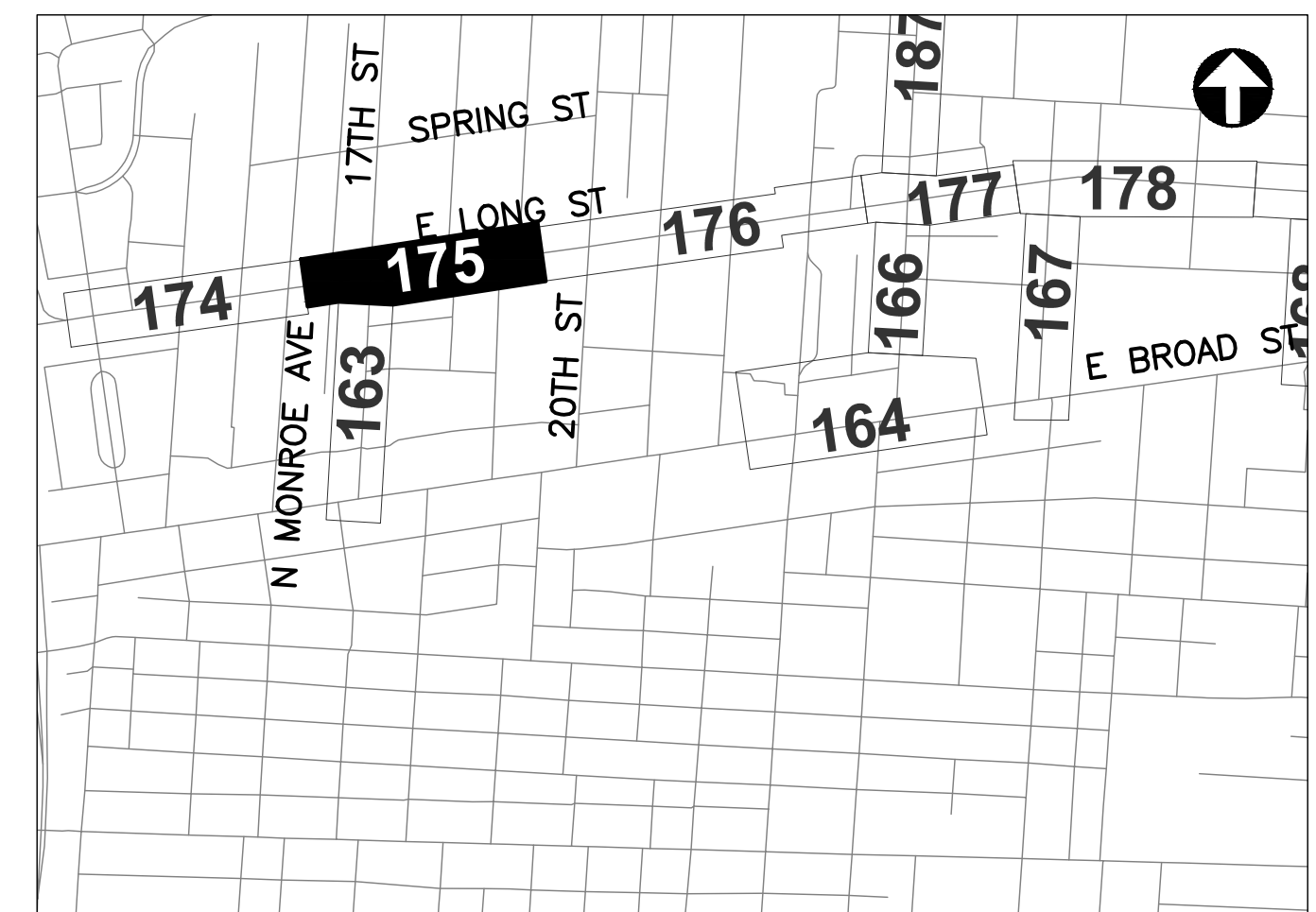
CABLE SCHEMATIC - 3053  
NOT TO SCALE

NOTES:

1. SEE SHEET 179 FOR QUANTITIES.
2. SEE SHEETS 678 & 863 FOR COMMUNICATION DETAILS.



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| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |

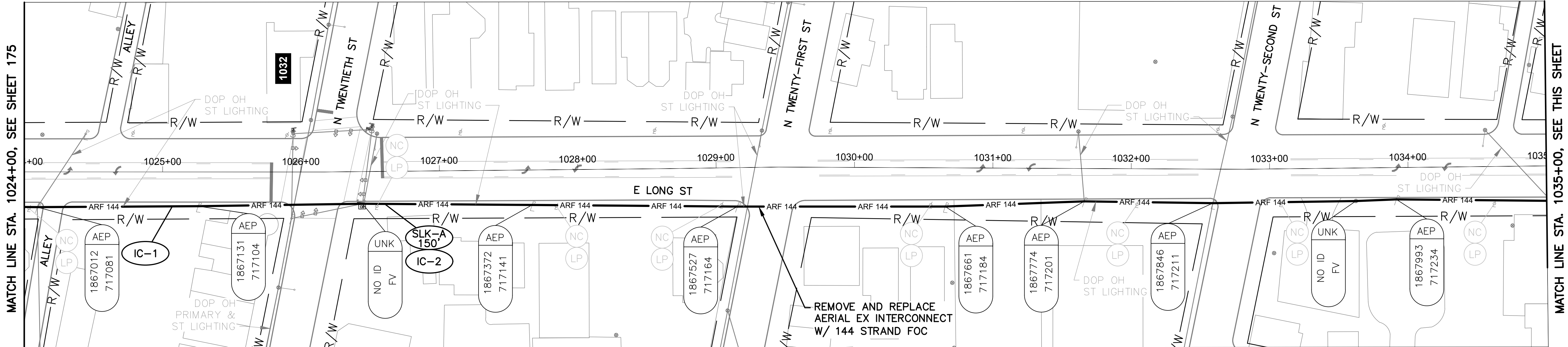


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

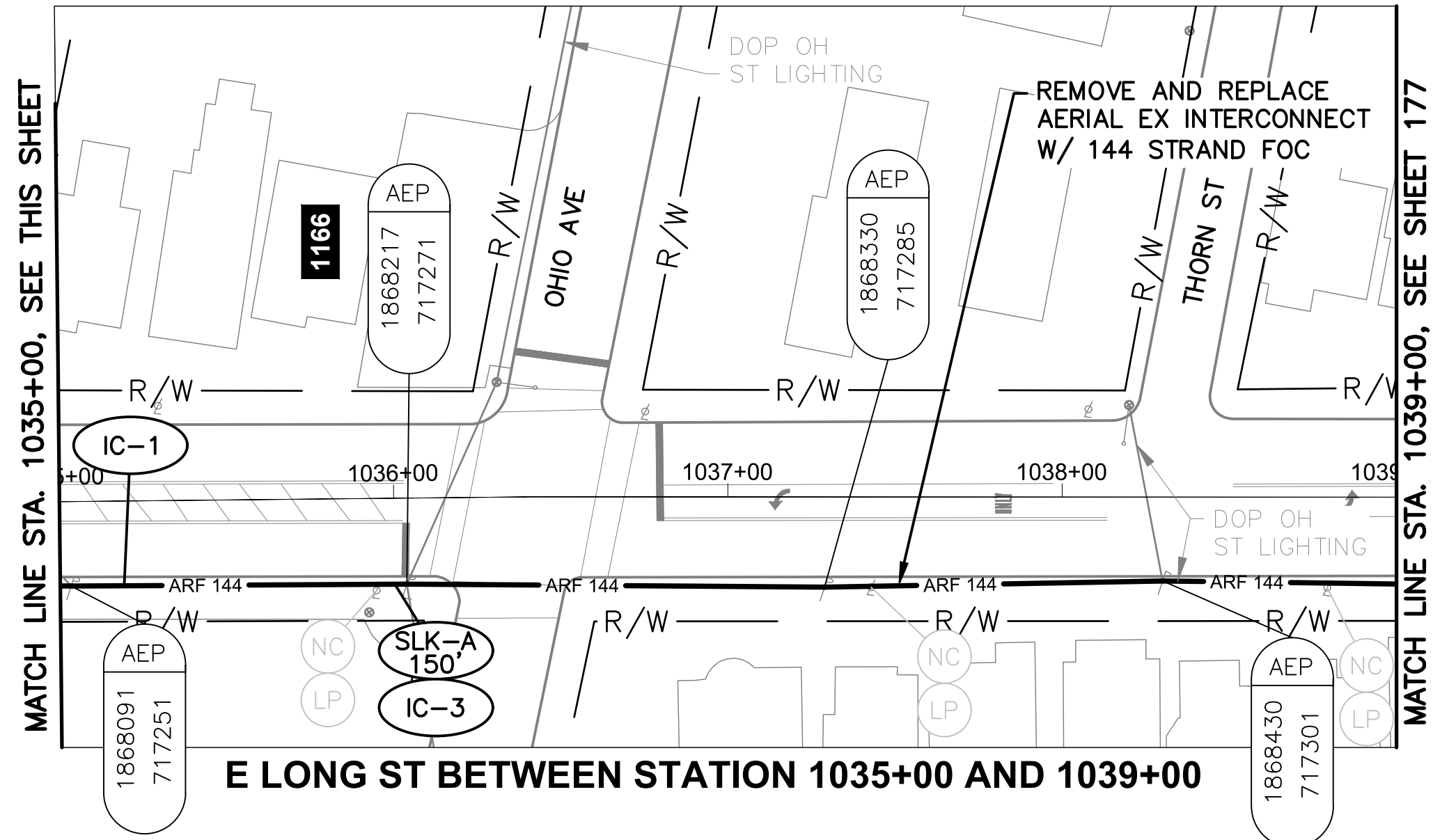
KEY PLAN  
NOT TO SCALE



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E LONG ST BETWEEN STATION 1024+00 AND 1035+00



E LONG ST BETWEEN STATION 1035+00 AND 1039+00

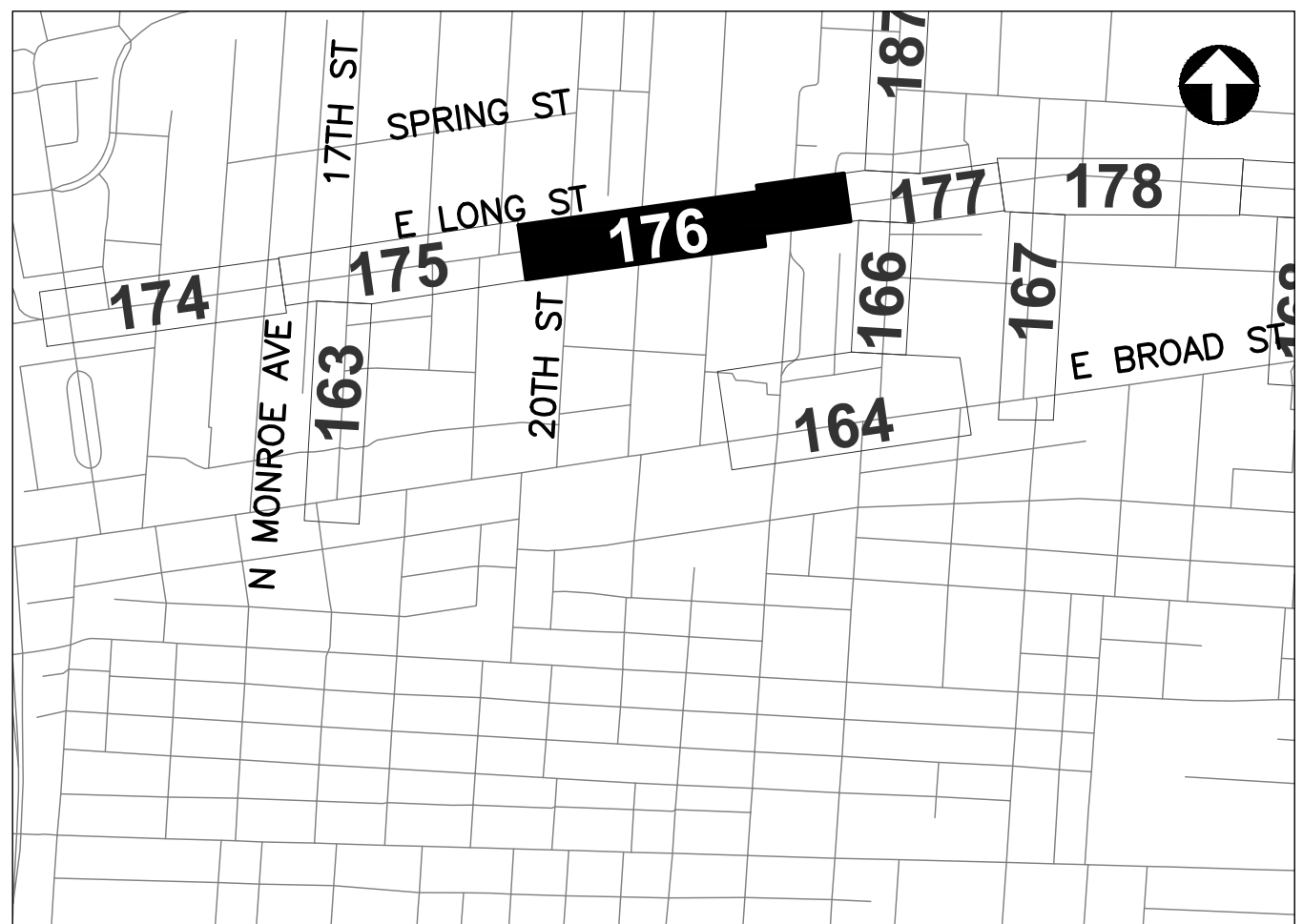
NOTES:

1. SEE SHEET 179 FOR QUANTITIES.
2. SEE SHEET 678 FOR COMMUNICATION DETAILS.



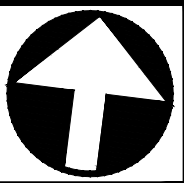
CITY OF COLUMBUS  
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E LONG ST BETWEEN STA. 1024+00 AND 1039+00

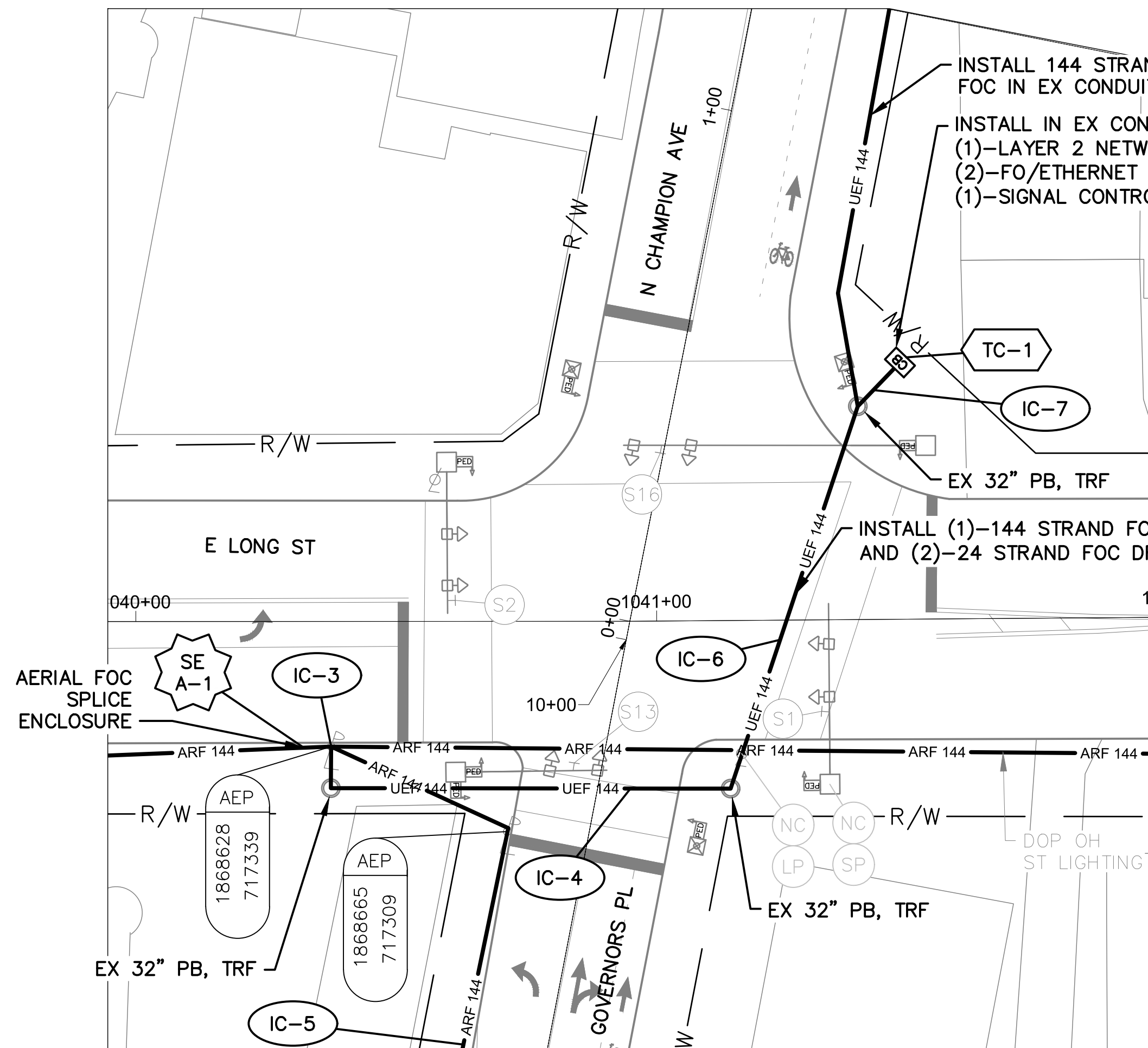
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

176  
1000

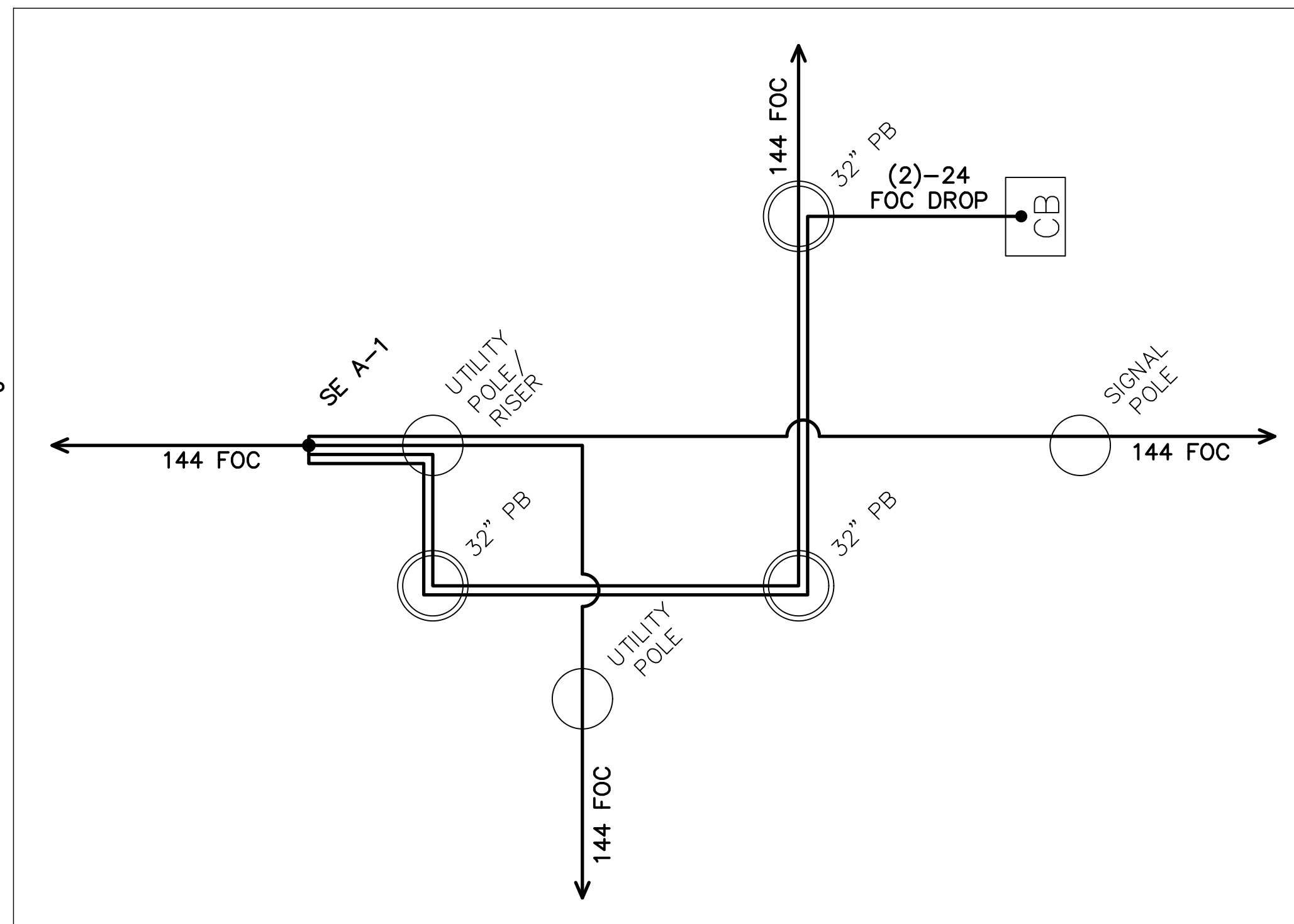
3150-E



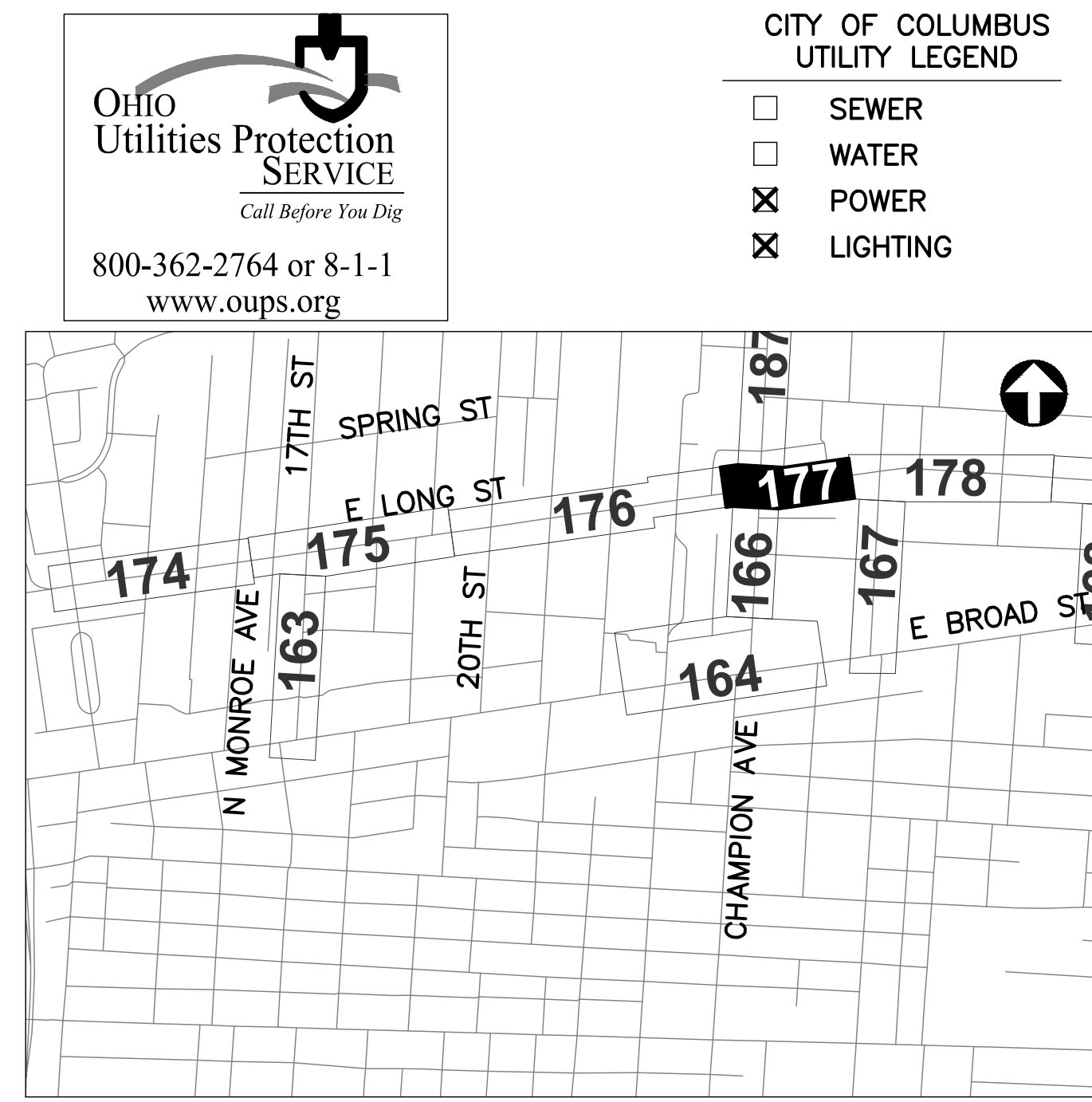
J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk2\_LONG\_INTERCONNECT.dwg - LONG-A4 layout - last saved by: gburch 11/15/2016 02:19pm - printed 03/18/2020 05:43pm



**DETAIL - INT 3056**  
0 20 40  
HORIZONTAL  
SCALE IN FEET



**CABLE SCHEMATIC - INT 3056**  
NOT TO SCALE

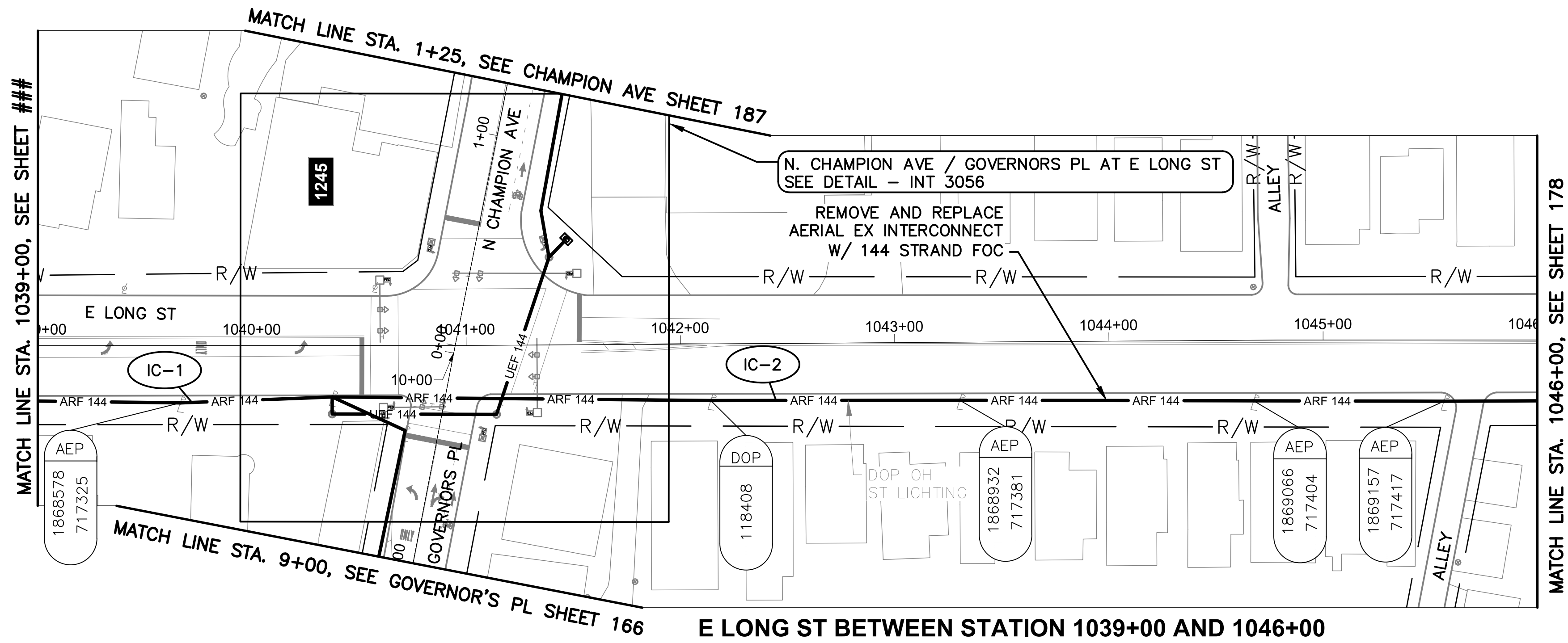


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX  
**KEY PLAN**  
NOT TO SCALE

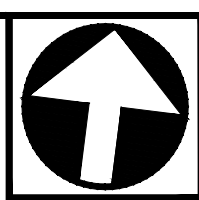
- NOTES:**
1. SEE SHEET 179 FOR QUANTITIES.
  2. SEE SHEETS 678 & 864 FOR COMMUNICATION DETAILS.
  3. FOR THE SPLICE ENCLOSURE AT INT 3056, PROVIDE 75' OF SLACK FROM ALL FOUR DIRECTIONS FOR THE 300' TOTAL.



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|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



**E LONG ST BETWEEN STATION 1039+00 AND 1046+00**



CIP: 540007-100006  
PID NUMBER: 82573

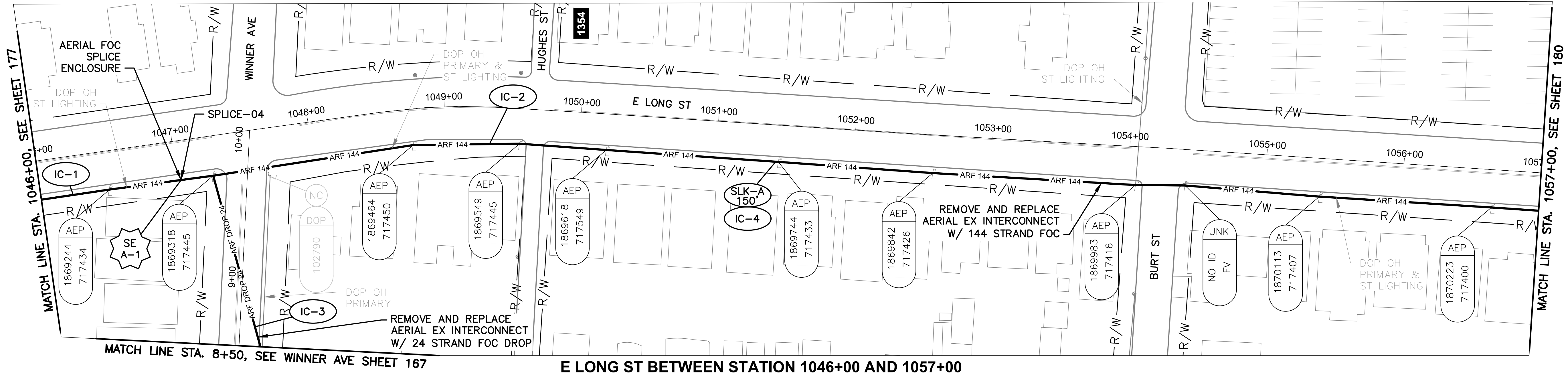
INTERCONNECT PLAN  
E LONG ST BETWEEN STA. 1039+00 AND 1046+00, INT 3056

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

177  
1000



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E LONG ST BETWEEN STATION 1046+00 AND 1057+00

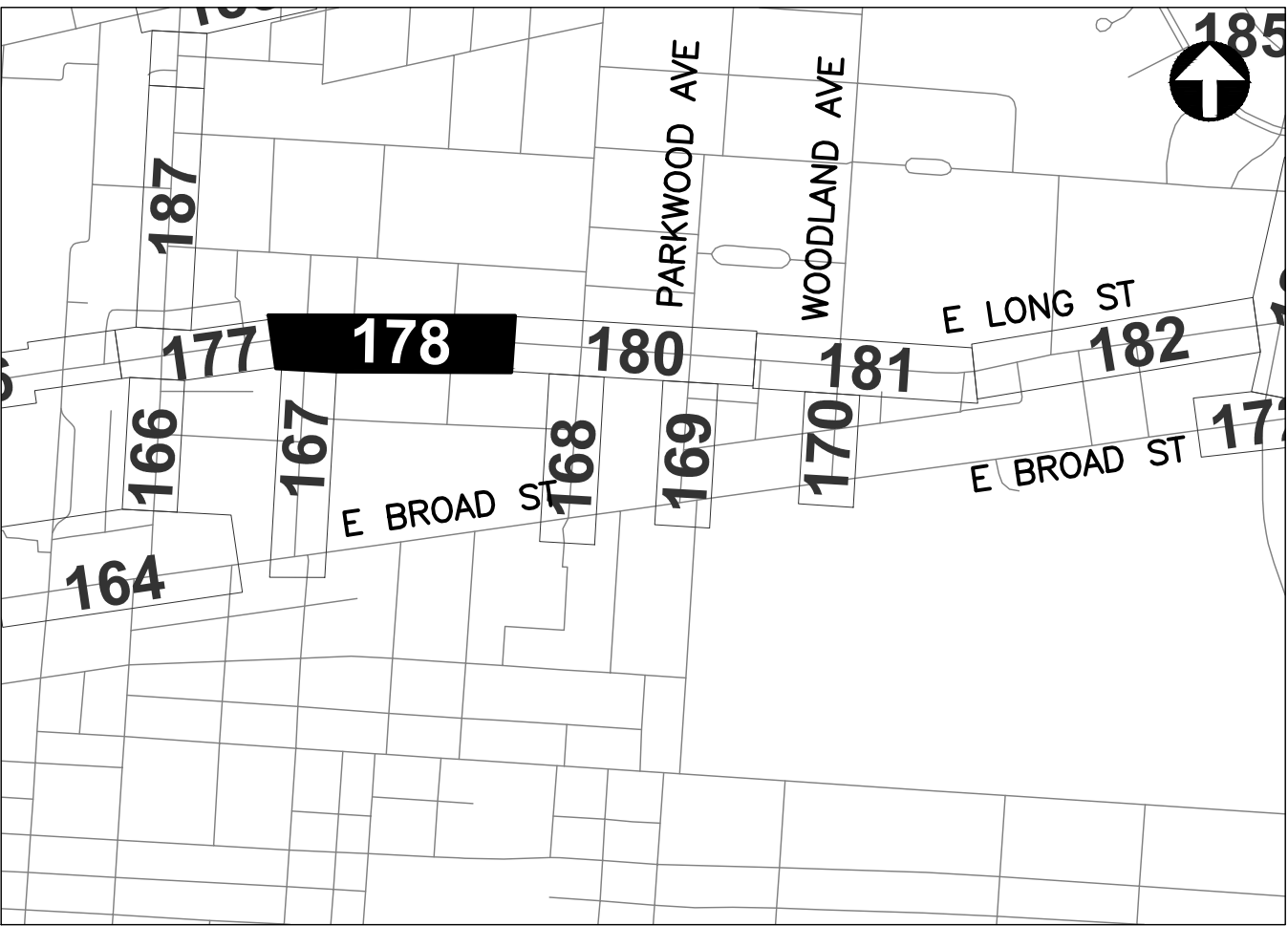
NOTES:

1. SEE SHEET 179 FOR QUANTITIES.
2. SEE SHEETS 678 & 865 FOR COMMUNICATION DETAILS.

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| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



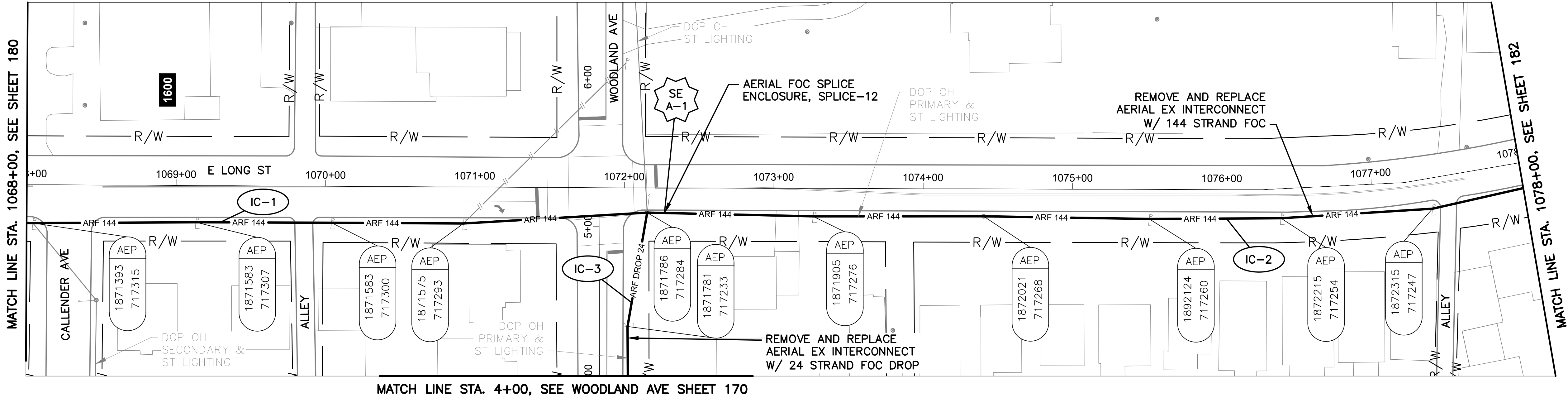








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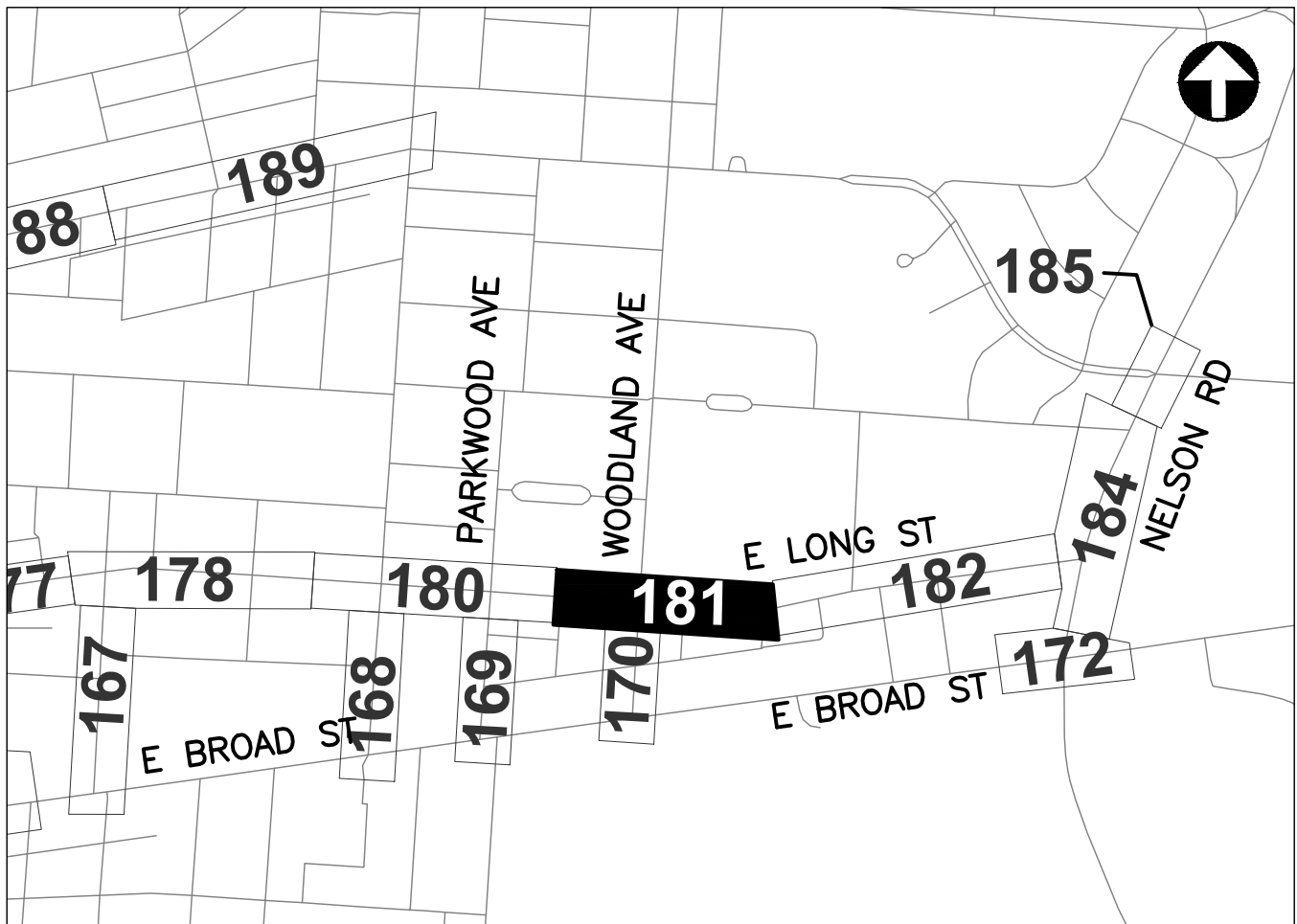
MATCH LINE STA. 4+00, SEE WOODLAND AVE SHEET 170  
E LONG ST BETWEEN STATION 1068+00 AND 1078+00

NOTES:

1. SEE SHEET 183 FOR QUANTITIES.
2. SEE SHEET 678 & 868 FOR COMMUNICATION DETAILS.

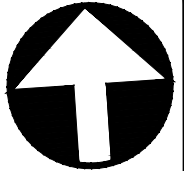
  
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|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



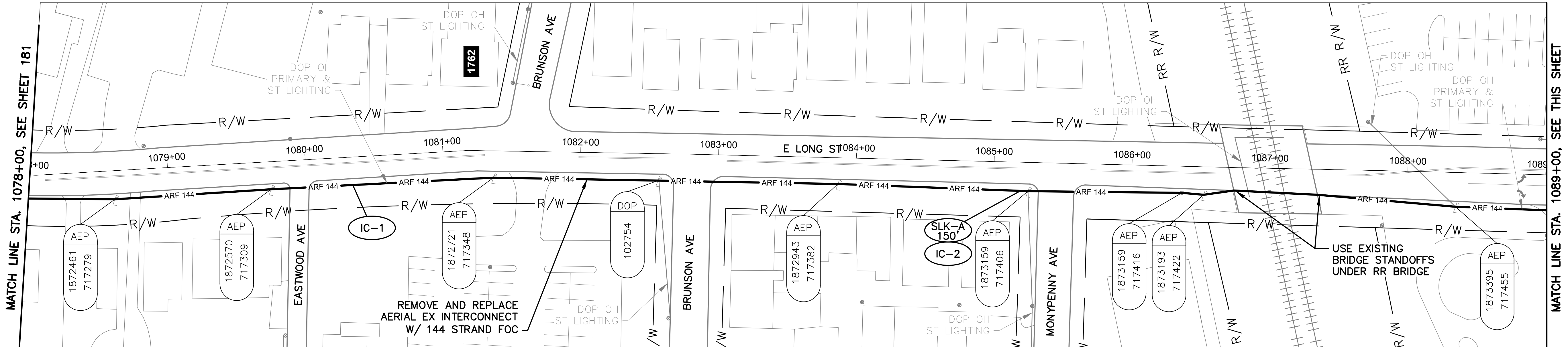
CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E LONG ST BETWEEN STA. 1068+00 AND 1078+00

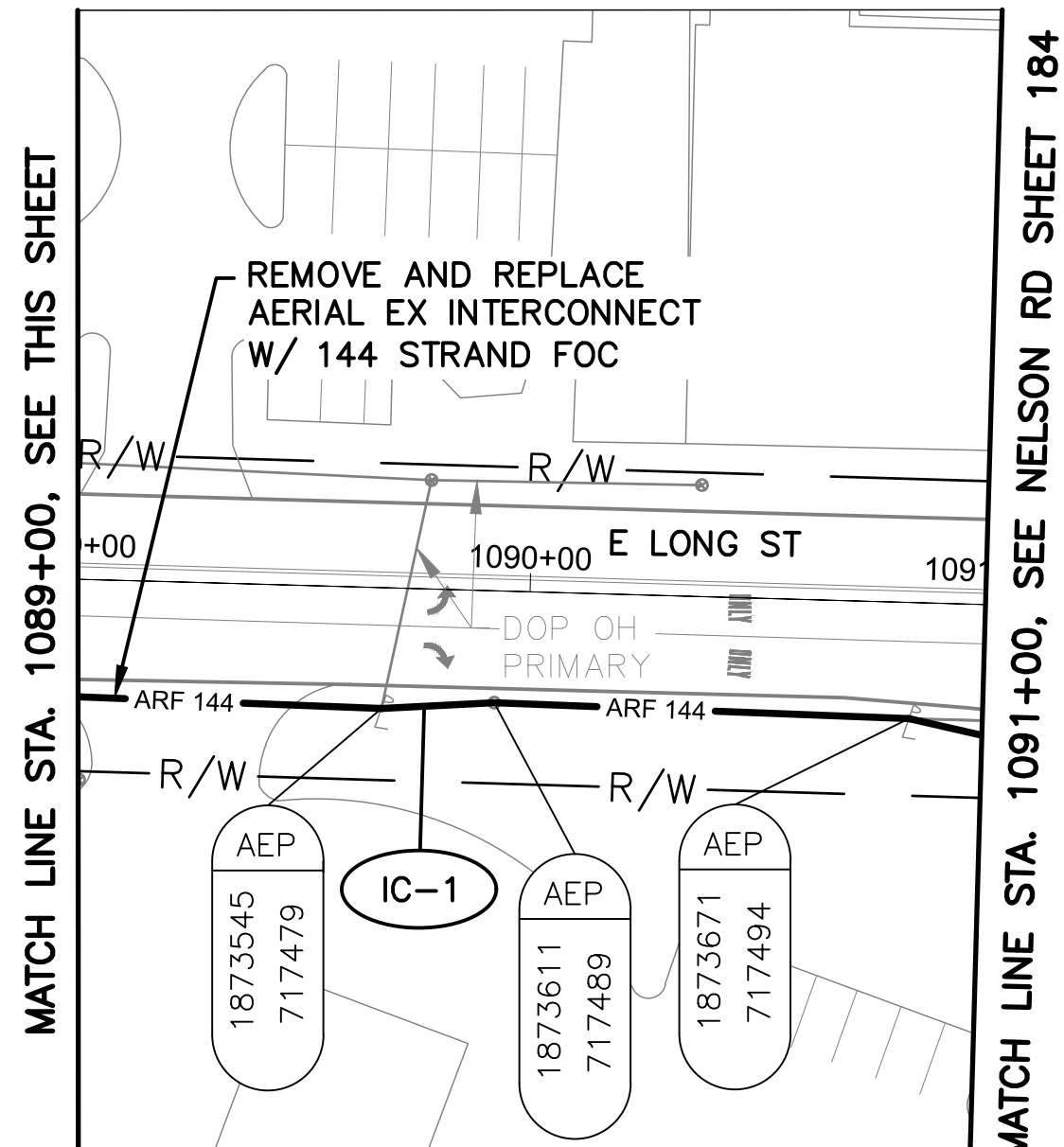
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk2\_LONG\_INTERCONNECT.dwg -- LONG-8 layout -- last saved by gburch 11/15/2018 02:19pm -- printed 03/18/2020 05:47pm



E LONG ST BETWEEN STATION 1078+00 AND 1089+00



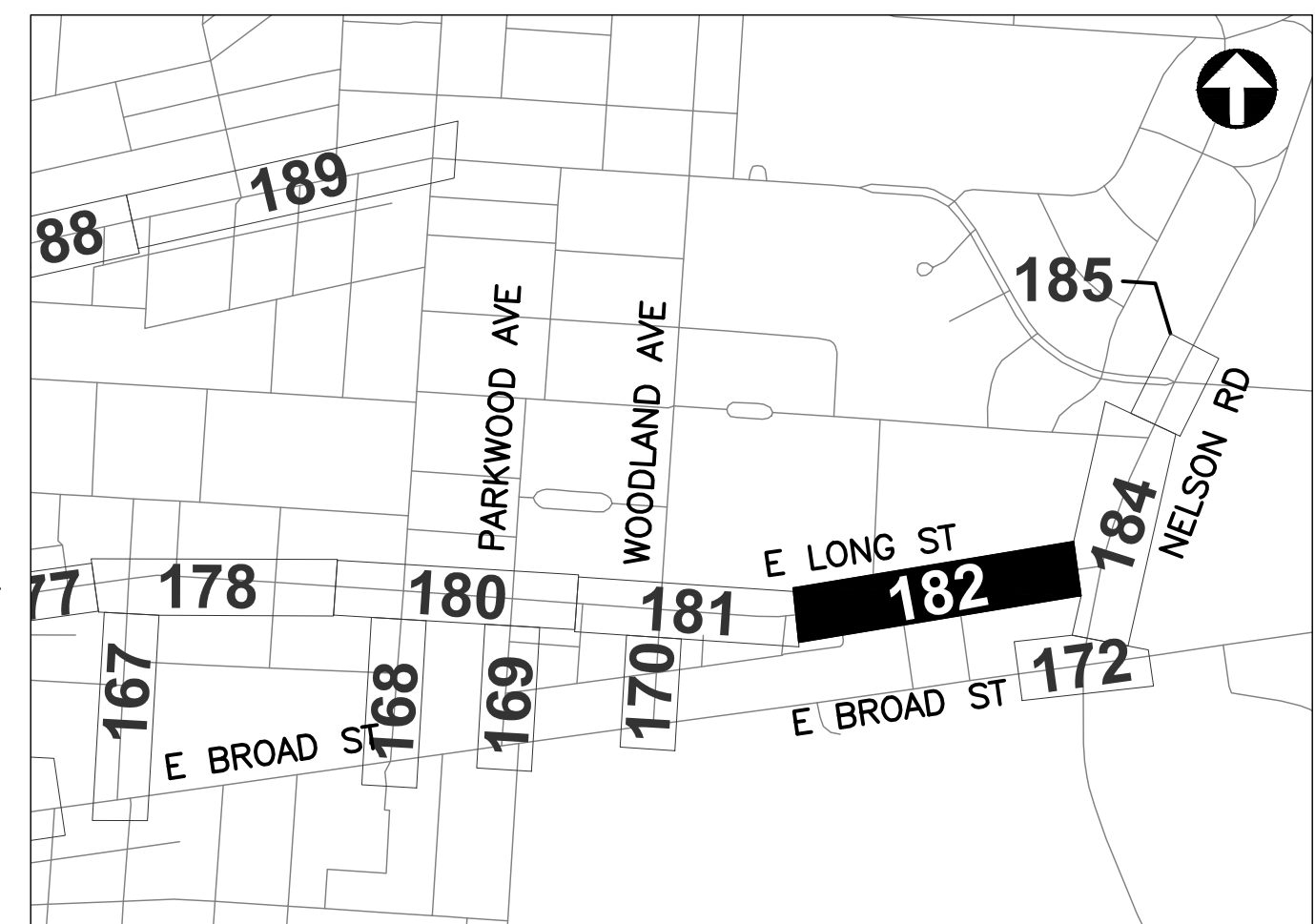
E LONG ST BETWEEN STATION 1089+00 AND 1091+00

NOTES:

1. SEE SHEET 183 FOR QUANTITIES.
2. SEE SHEET 678 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 87+04, 18' RT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.

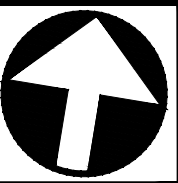


- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E LONG ST BETWEEN STA. 1078+00 AND 1091+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

182  
1000

3150-E



J:\Jobs\60135\TCHPROD\Sheets\CTSS\PHD\_Trunk2\_LONG\_IC\_QUANTITIES.dwg -- LONG-02 layout -- last saved by: gburch 07/29/2016 03:09pm ~ printed 03/19/2020 05:48pm

| ESTIMATED QUANTITIES                                               |               |              |                 |                                                          |                                                         |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                      |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
|--------------------------------------------------------------------|---------------|--------------|-----------------|----------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------|------|---|---|---|---|---|---|---|---|
| SHEET NO.                                                          | REFERENCE NO. | LOCATION     | STATION         | 632                                                      | 632                                                     | 632                                                  | 632                                                              | 632                                                          | 632                                                                   | 632                                                                   | 633                                                                  | 633                                             | 633                                                          |      |   |   |   |   |   |   |   |   |
|                                                                    |               |              |                 | INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND | INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND | INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE | INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT | INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE | MESSANGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN | CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCIVER, SHORT RANGE | CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH | CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN |      |   |   |   |   |   |   |   |   |
| FROM                                                               |               |              |                 | TO                                                       | FT                                                      | FT                                                   | EACH                                                             | FT                                                           | EACH                                                                  | EACH                                                                  | FT                                                                   | EACH                                            | EACH                                                         | EACH |   |   |   |   |   |   |   |   |
| E LONG ST. BETWEEN STA. 1057+00 AND 1068+00, INTS 3057 & SPLICE-05 |               |              |                 |                                                          |                                                         |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                      |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 180                                                                | IC-1          | LONG ST      | 1057+00, 28' RT | 1060+32, 38' RT                                          | 337                                                     |                                                      |                                                                  | 332                                                          |                                                                       |                                                                       | 337                                                                  |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 180                                                                | SE A-1        | LONG ST      | 1060+32, 38' RT |                                                          | 225                                                     |                                                      | 228                                                              |                                                              | 1                                                                     |                                                                       |                                                                      |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 180                                                                | IC-6          | LONG ST      | 1060+32, 38' RT | 1060+32, 38' RT                                          |                                                         |                                                      |                                                                  |                                                              |                                                                       | 2                                                                     |                                                                      |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 180                                                                | TC-1          | LONG ST      | 1060+32, 38' RT |                                                          |                                                         |                                                      |                                                                  |                                                              |                                                                       |                                                                       | 2                                                                    | 1                                               | 1                                                            |      |   |   |   |   |   |   |   |   |
| 180                                                                | IC-4          | TAYLOR AVE   | 6+50, 26' RT    | 7+40, 22' RT                                             | 90                                                      |                                                      |                                                                  | 89                                                           |                                                                       |                                                                       | 90                                                                   |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 180                                                                | IC-2          | LONG ST      | 1060+32, 38' RT | 1064+72, 29' RT                                          | 448                                                     |                                                      |                                                                  | 441                                                          |                                                                       |                                                                       | 448                                                                  |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 180                                                                | SE A-2        | LONG ST      | 1064+72, 29' RT |                                                          | 150                                                     | 75                                                   | 24                                                               |                                                              | 1                                                                     |                                                                       |                                                                      |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 180                                                                | IC-5          | PARKWOOD AVE | 5+50, 28' LT    | 6+43, 35' LT                                             |                                                         | 94                                                   |                                                                  |                                                              |                                                                       |                                                                       | 94                                                                   |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 180                                                                | IC-3          | LONG ST      | 1064+72, 29' RT | 1068+00, 38' RT                                          | 337                                                     |                                                      |                                                                  | 328                                                          |                                                                       | 3                                                                     |                                                                      |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 180                                                                | R-1           | PARKWOOD AVE | 5+50, 28' LT    | 6+47, 35' LT                                             |                                                         |                                                      |                                                                  | 10                                                           |                                                                       |                                                                       |                                                                      |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| E LONG ST. BETWEEN STA. 1068+00 AND 1078+00, INT SPLICE-02         |               |              |                 |                                                          |                                                         |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                      |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 181                                                                | IC-1          | LONG ST      | 1068+00, 26' RT | 1072+15, 17' RT                                          | 421                                                     |                                                      |                                                                  | 415                                                          |                                                                       |                                                                       | 421                                                                  |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 181                                                                | IC-3          | WOODLAND AVE | 4+00, 19' RT    | 5+09, 32' RT                                             |                                                         | 110                                                  |                                                                  | 110                                                          |                                                                       |                                                                       | 112                                                                  |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 181                                                                | SE A-1        | LONG ST      | 1072+15, 17' RT |                                                          | 50                                                      | 75                                                   | 24                                                               |                                                              |                                                                       |                                                                       |                                                                      |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 181                                                                | IC-2          | LONG ST      | 1072+15, 17' RT | 1078+00, 38' RT                                          | 97                                                      |                                                      |                                                                  | 5                                                            |                                                                       |                                                                       | 59                                                                   |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| E LONG ST. BETWEEN STA. 1078+00 AND 1091+00                        |               |              |                 |                                                          |                                                         |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                      |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 182                                                                | IC-1          | LONG ST      | 1078+00, 17' RT | 1091+00, 29' RT                                          | 1,320                                                   |                                                      |                                                                  | 1,300                                                        |                                                                       |                                                                       | 1,320                                                                |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| 182                                                                | IC-2          | LONG ST      | 1078+00, 17' RT |                                                          | 13                                                      |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                      |                                                 |                                                              |      |   |   |   |   |   |   |   |   |
| SHEET TOTAL                                                        |               |              |                 |                                                          | 4,221                                                   | 354                                                  | 276                                                              | 3,705                                                        | 3                                                                     | 2                                                                     | 3,752                                                                | 2                                               | 1                                                            | 1    | - | - | - | - | - | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

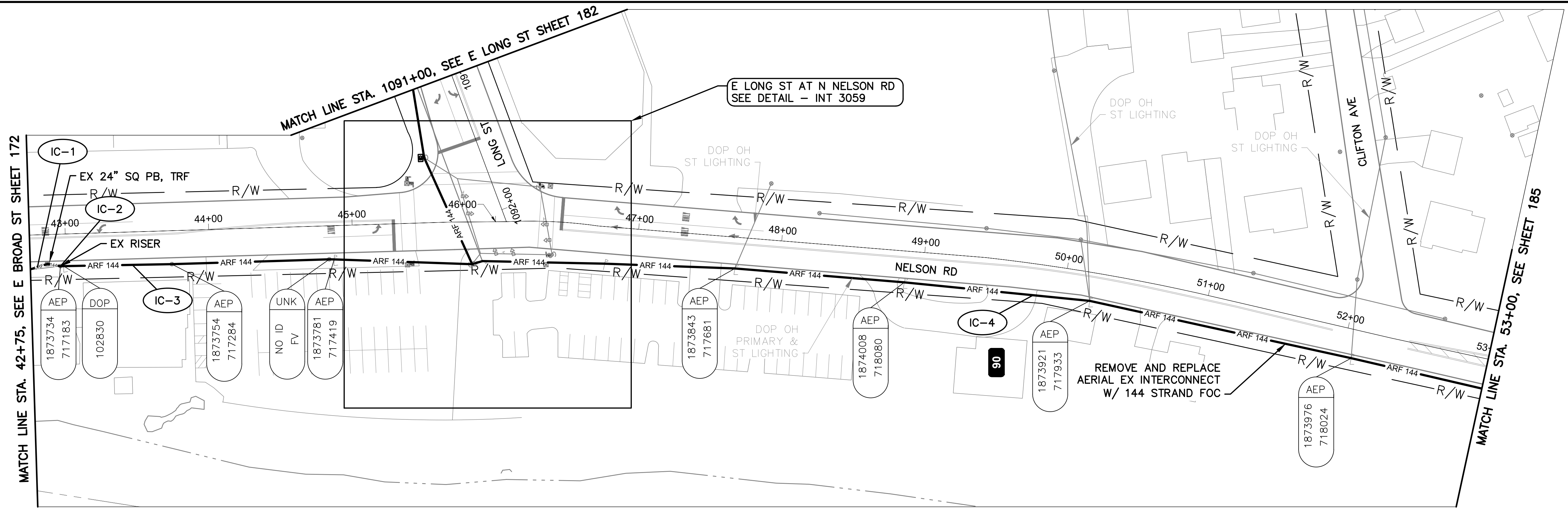
CIP: 540007-100006  
PID NUMBER: 82573

LONG ST BTW STA. 1057+00 & 1091+00  
INT 3057

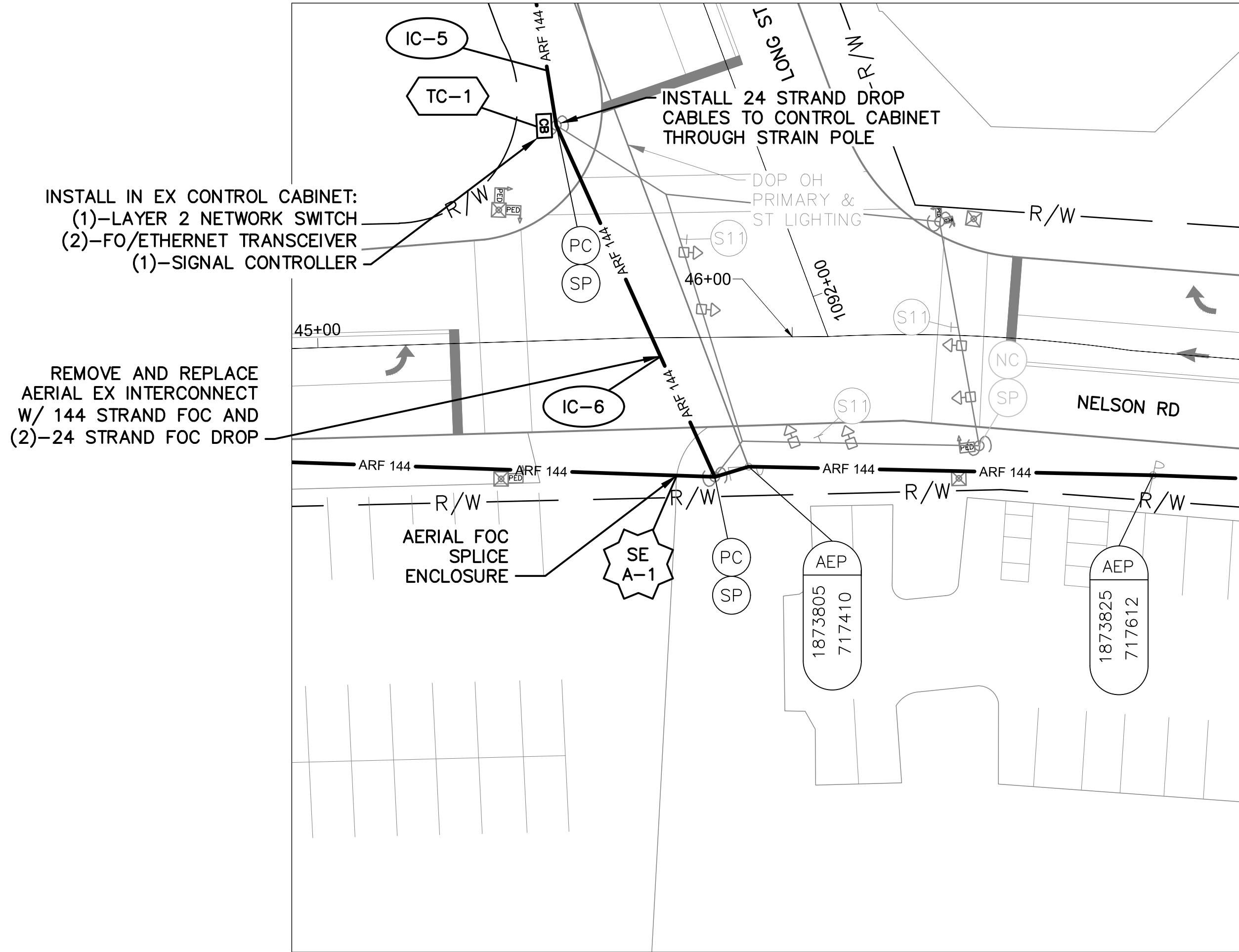
183  
1000



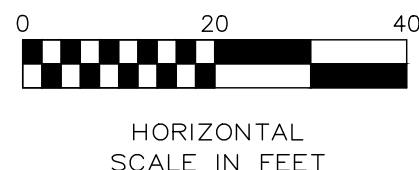
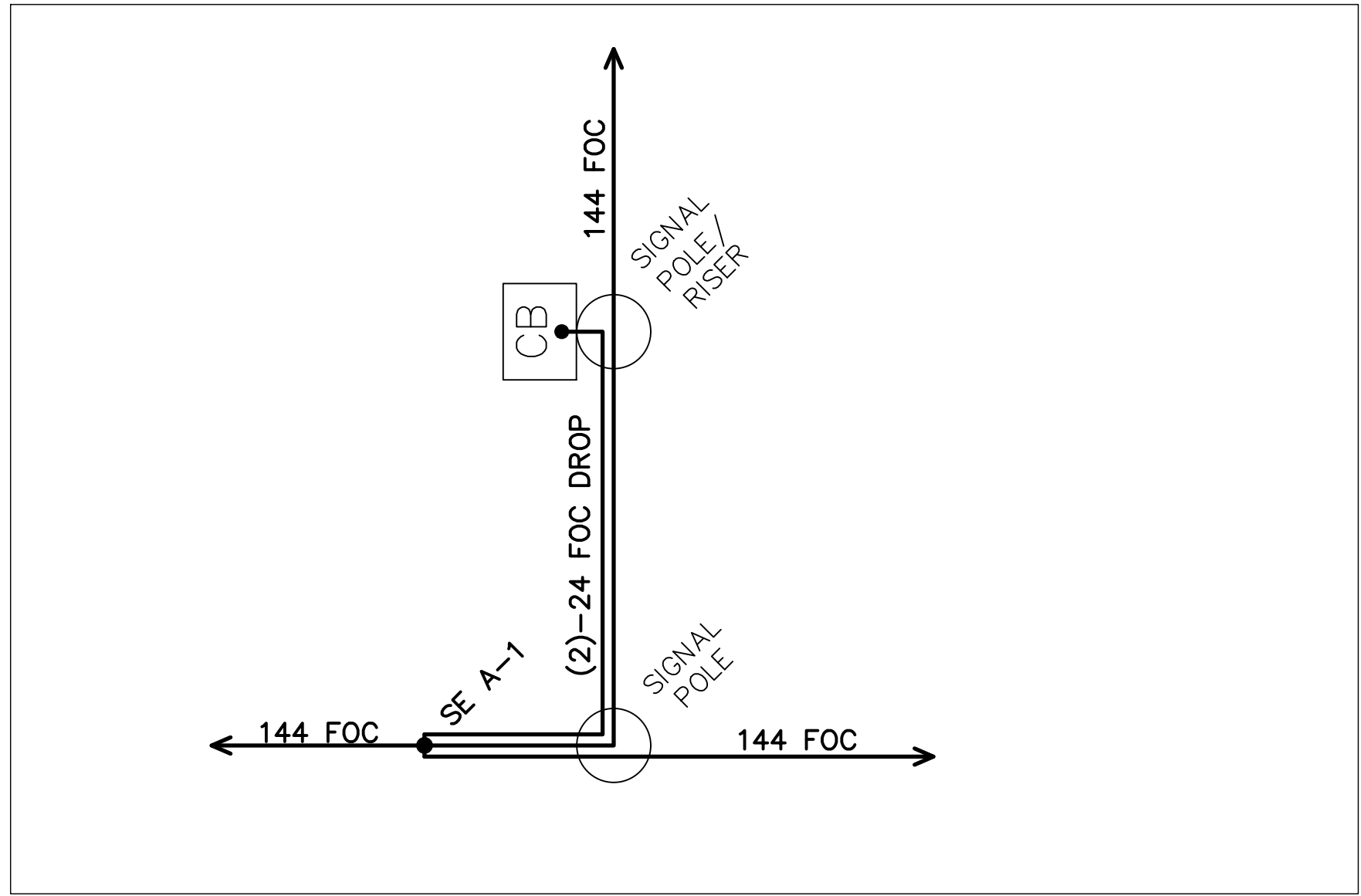
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N NELSON RD BETWEEN STATION 42+75 AND 53+00



DETAIL - INT 3059



CABLE SCHEMATIC - INT 3059  
NOT TO SCALE

- NOTES:
1. SEE SHEET 186 FOR QUANTITIES.
  2. SEE SHEETS 678 & 869 FOR COMMUNICATION DETAILS.
  3. FOR THE SPLICE ENCLOSURE AT INT 3059, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.

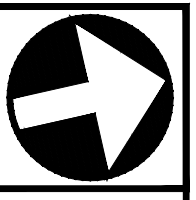


| CITY OF COLUMBUS UTILITY LEGEND     |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
N NELSON RD BETWEEN STA. 42+75 AND 53+00, INT 3059

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT





KEY PLAN  
NOT TO SCALE



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| ESTIMATED QUANTITIES                                |               |           |               |               |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
|-----------------------------------------------------|---------------|-----------|---------------|---------------|------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|---|---|---|---|---|---|---|--|
| SHEET NO.                                           | REFERENCE NO. | LOCATION  | STATION       |               | 202                                            | 632                                                                  | 632                                                                | 632                                                                             | 632                                                                        | 632                                                                                    | 632                                                                                    | 632                                                                                  | 633                                                                                    | 633                                                           | 633                                                                           |   |   |   |   |   |   |   |  |
|                                                     |               |           |               |               | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE<br>EACH | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT<br>FT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN<br>EACH |   |   |   |   |   |   |   |  |
| N NELSON RD. BETWEEN STA. 42+75 AND 53+00, INT 3059 |               |           |               |               |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
| 184                                                 | IC-1          | NELSON RD | 42+75, 24' RT | 42+95, 22' RT | 22                                             | 22                                                                   |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
| 184                                                 | IC-2          | NELSON RD | 42+95, 22' RT |               |                                                | 35                                                                   |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
| 184                                                 | IC-3          | NELSON RD | 42+95, 22' RT | 45+83, 29' RT |                                                | 291                                                                  |                                                                    | 287                                                                             |                                                                            |                                                                                        |                                                                                        | 291                                                                                  |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
| 184                                                 | IC-5          | NELSON RD | 45+45, 93' LT | 45+83, 29' RT |                                                | 131                                                                  |                                                                    | 129                                                                             |                                                                            |                                                                                        |                                                                                        | 131                                                                                  |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
| 184                                                 | TC-1          | NELSON RD | 45+51, 45' LT |               |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 2                                                                                      | 1                                                             | 1                                                                             |   |   |   |   |   |   |   |  |
| 184                                                 | IC-6          | NELSON RD | 45+51, 45' RT | 45+83, 29' RT |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        | 2                                                                                      |                                                                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
| 184                                                 | SE A-1        | NELSON RD | 45+83, 29' RT |               |                                                | 225                                                                  | 228                                                                |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
| 184                                                 | IC-4          | NELSON RD | 45+83, 29' RT | 53+00, 21' RT |                                                | 723                                                                  |                                                                    | 7                                                                               |                                                                            |                                                                                        |                                                                                        | 723                                                                                  |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
| N NELSON RD. BETWEEN STA. 53+00 AND 57+00, INT 3123 |               |           |               |               |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
| 185                                                 | IC-1          | NELSON RD | 53+00, 21' RT | 54+59, 22' RT |                                                | 157                                                                  |                                                                    | 155                                                                             |                                                                            |                                                                                        |                                                                                        | 157                                                                                  |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
| 185                                                 | IC-2          | NELSON RD | 54+59, 22' RT | 54+78, 24' RT |                                                |                                                                      |                                                                    | 19                                                                              |                                                                            | 1                                                                                      |                                                                                        | 19                                                                                   |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
| 185                                                 | SE A-1        | NELSON RD | 54+59, 22' RT |               |                                                | 75                                                                   |                                                                    |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |   |  |
| 185                                                 | TC-1          | NELSON RD | 54+78, 24' RT |               |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        | 1                                                             | 1                                                                             |   |   |   |   |   |   |   |  |
| SHEET TOTAL                                         |               |           |               |               | 22                                             | 1,659                                                                | 240                                                                | 1,302                                                                           | 2                                                                          | 1                                                                                      | 2                                                                                      | 1,321                                                                                | 4                                                                                      | 2                                                             | 2                                                                             | - | - | - | - | - | - | - |  |

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CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT

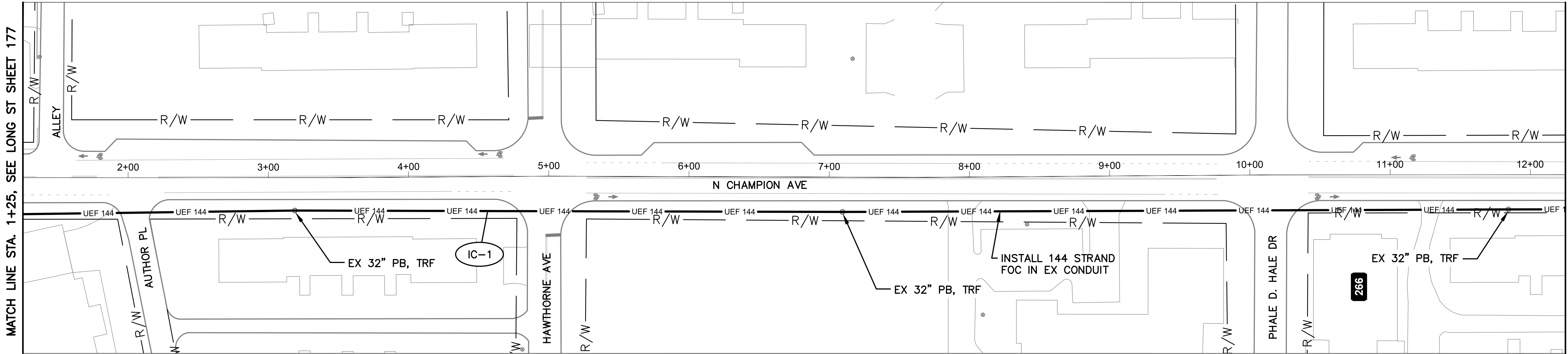
CIP: 540007-100006  
PID NUMBER: 82573

NELSON RD BTW STA. 42+75 & 57+00  
INTS 3059, 3123

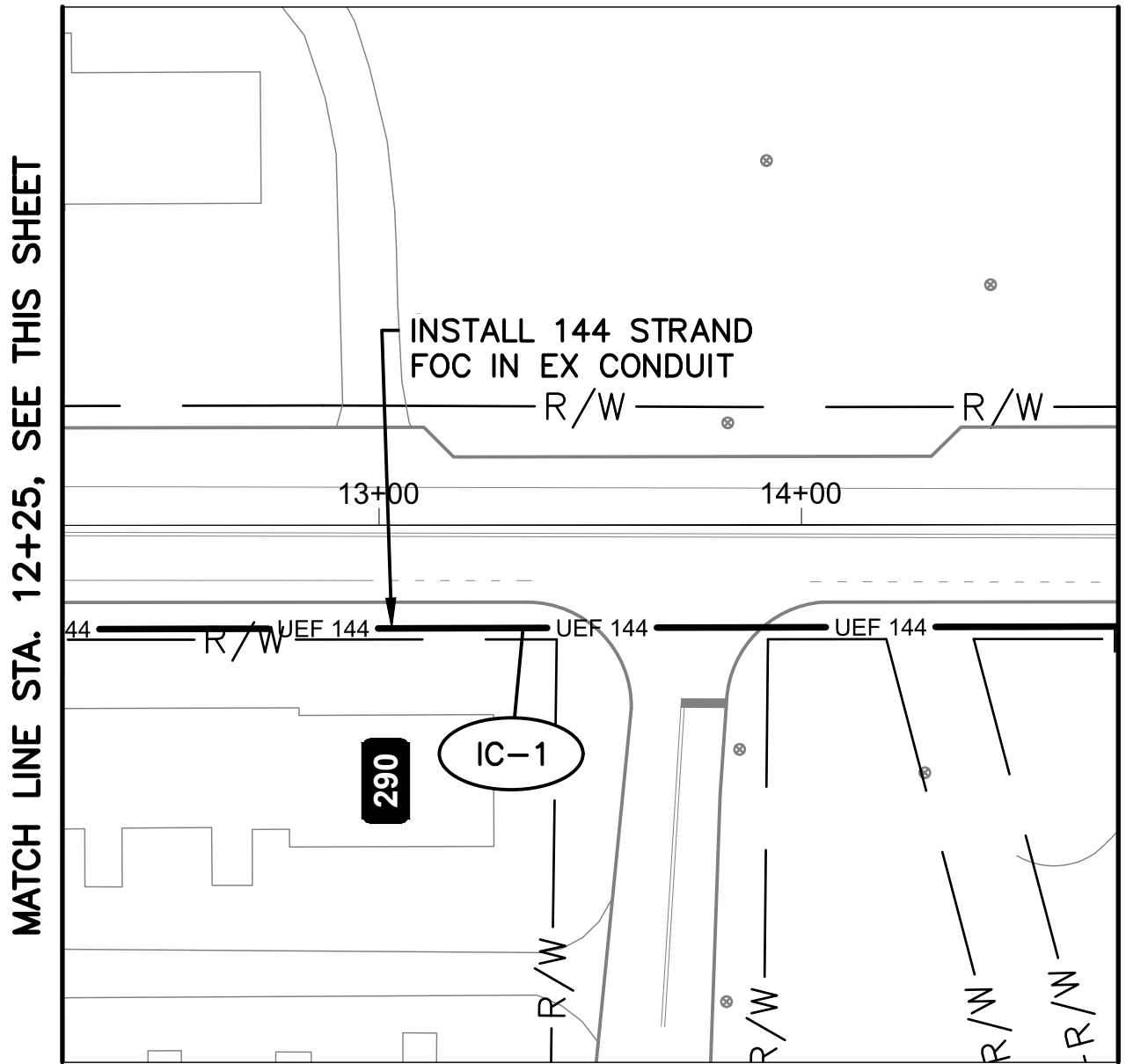
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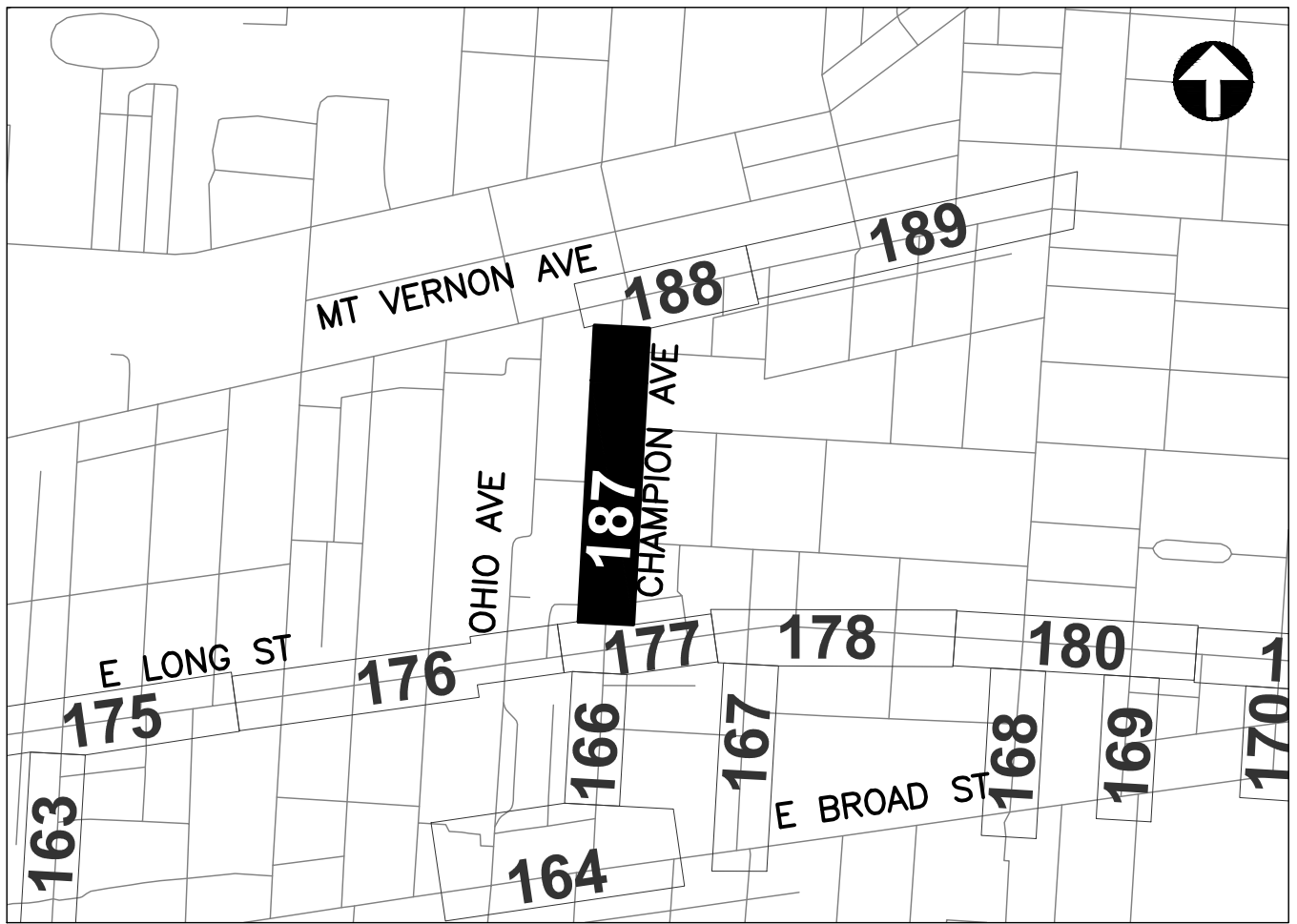
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CHAMPION AVE BETWEEN STATION 1+25 AND 12+25



CHAMPION AVE BETWEEN STATION 12+25 AND 14+75



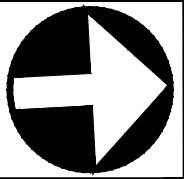
REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
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- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING

- NOTES:
- SEE SHEET 190 FOR QUANTITIES.
  - SEE SHEET 678 FOR COMMUNICATION DETAILS.



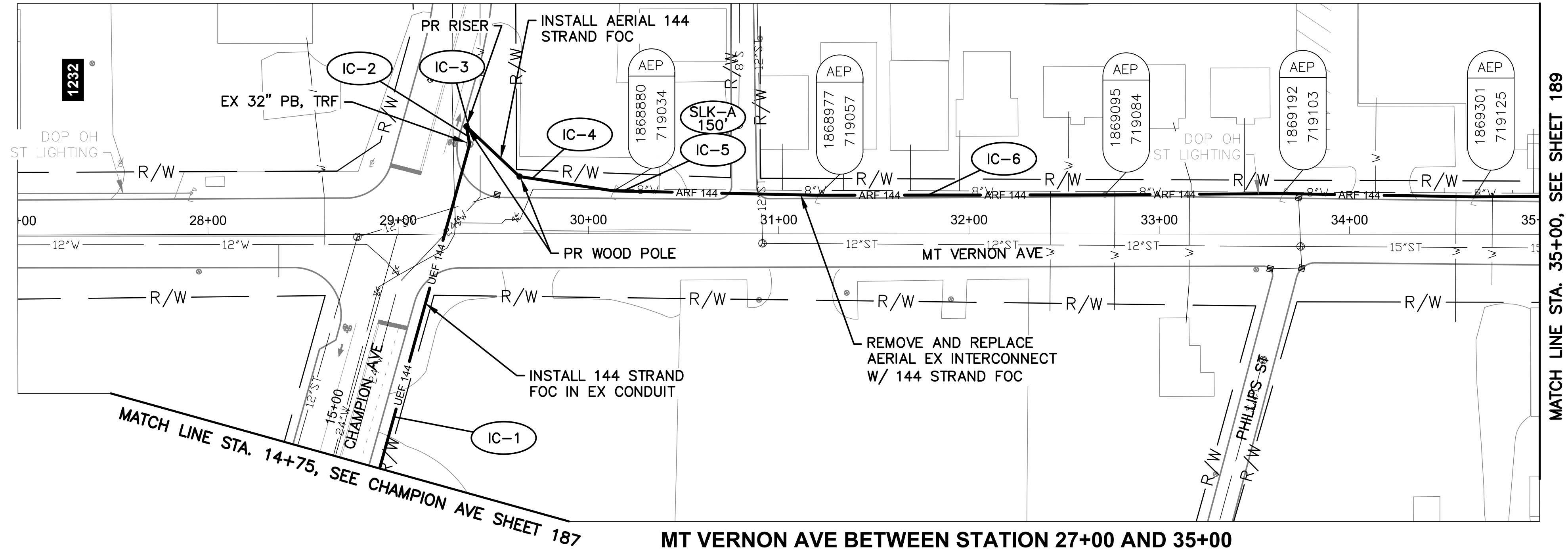
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PID NUMBER: 82573

INTERCONNECT PLAN  
CHAMPION AVE BETWEEN STA. 1+25 AND 14+75

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



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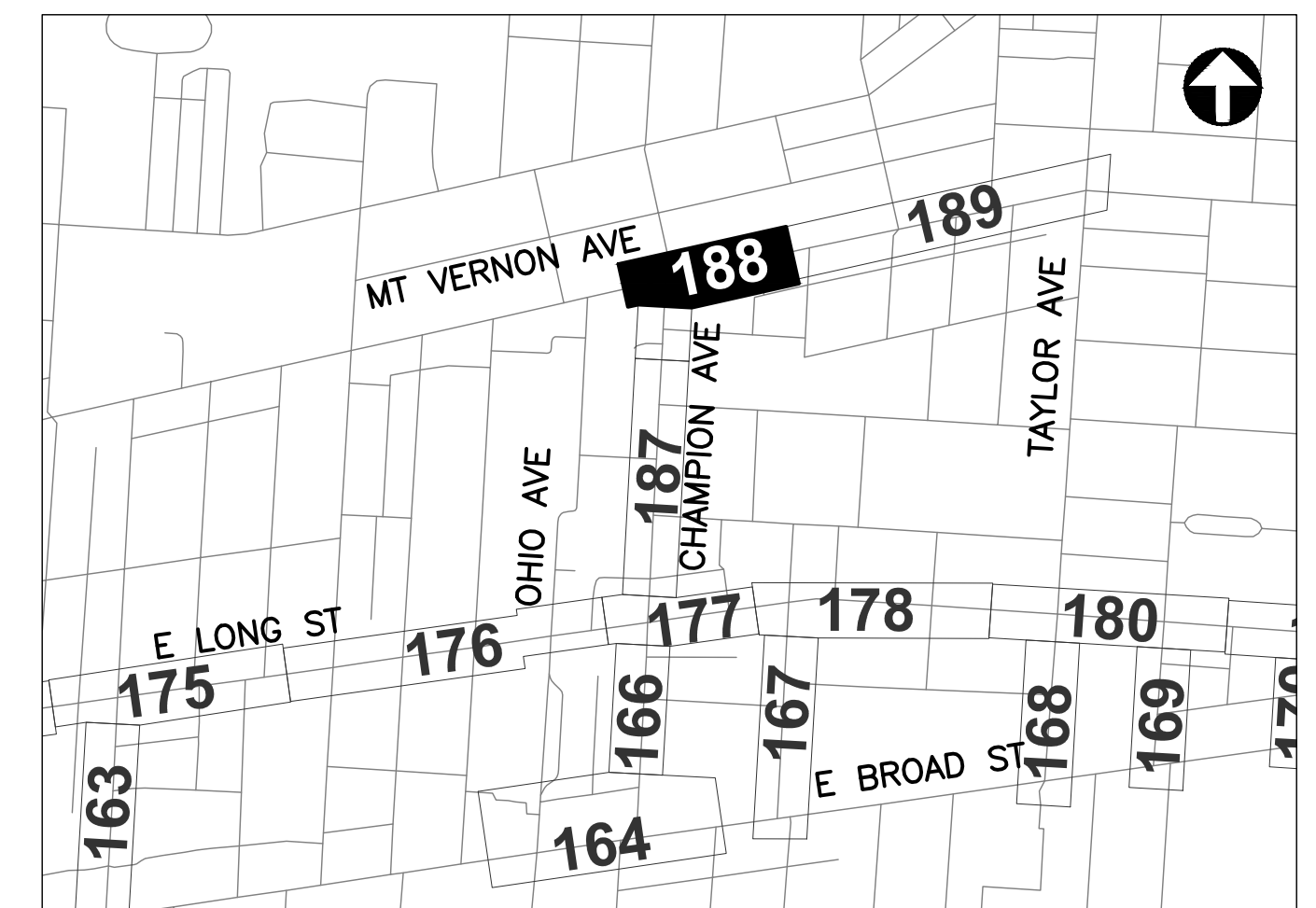
MT VERNON AVE BETWEEN STATION 27+00 AND 35+00

NOTES:

1. SEE SHEET 190 FOR QUANTITIES.
2. SEE SHEET 678 FOR COMMUNICATION DETAILS.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input checked="" type="checkbox"/> | SEWER    |
| <input checked="" type="checkbox"/> | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

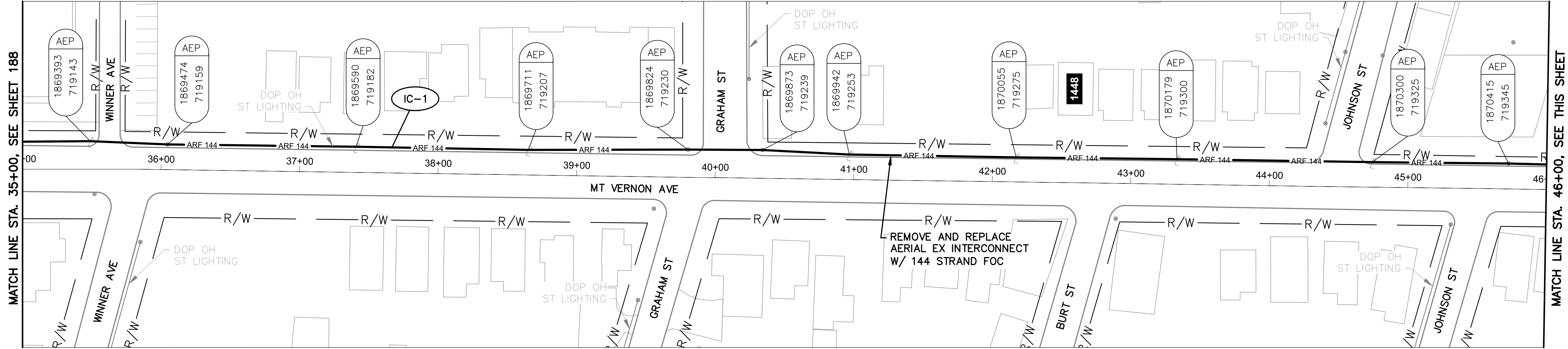
INTERCONNECT PLAN  
MT VERNON AVE BETWEEN STA. 27+00 AND 35+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

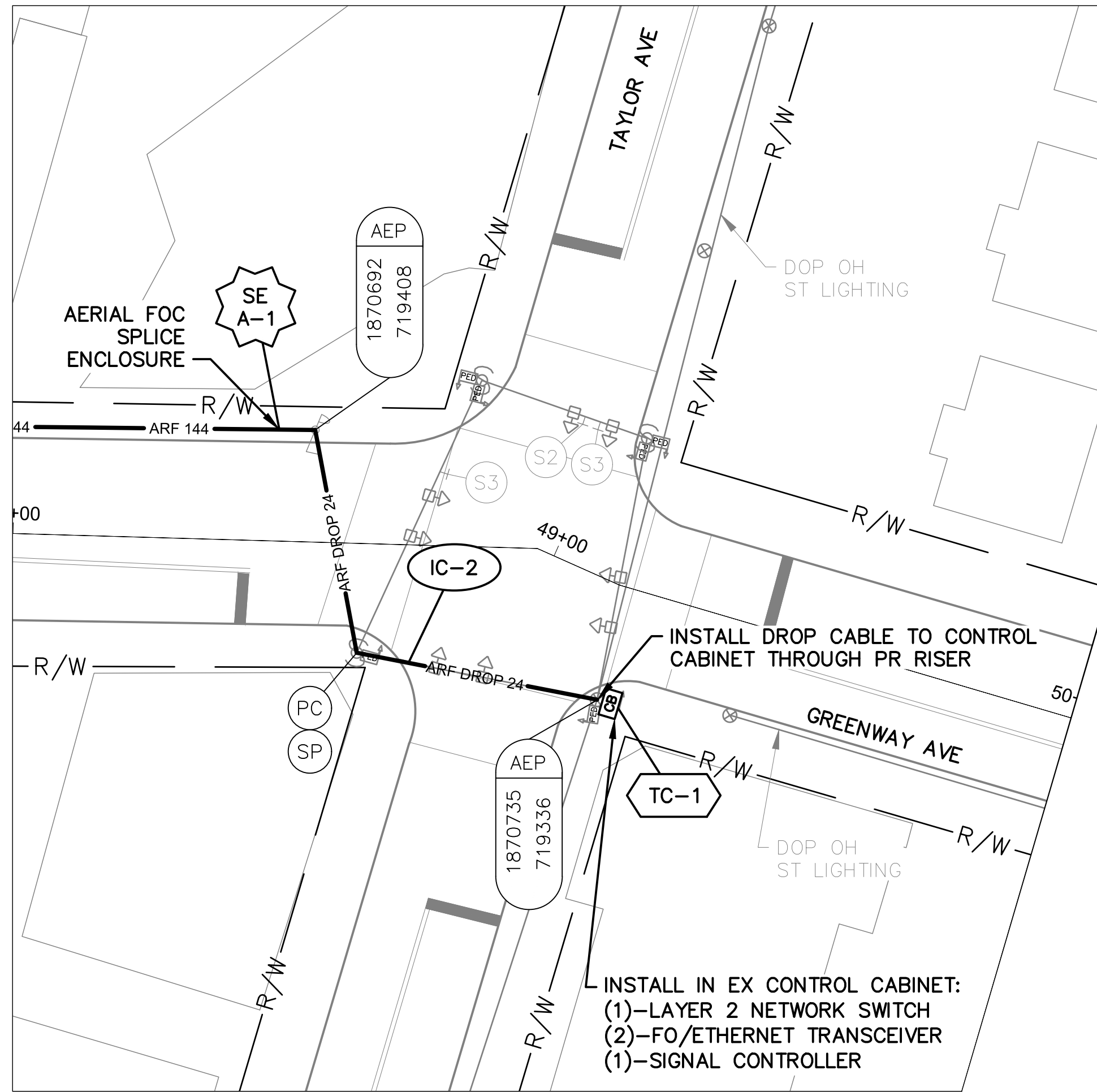
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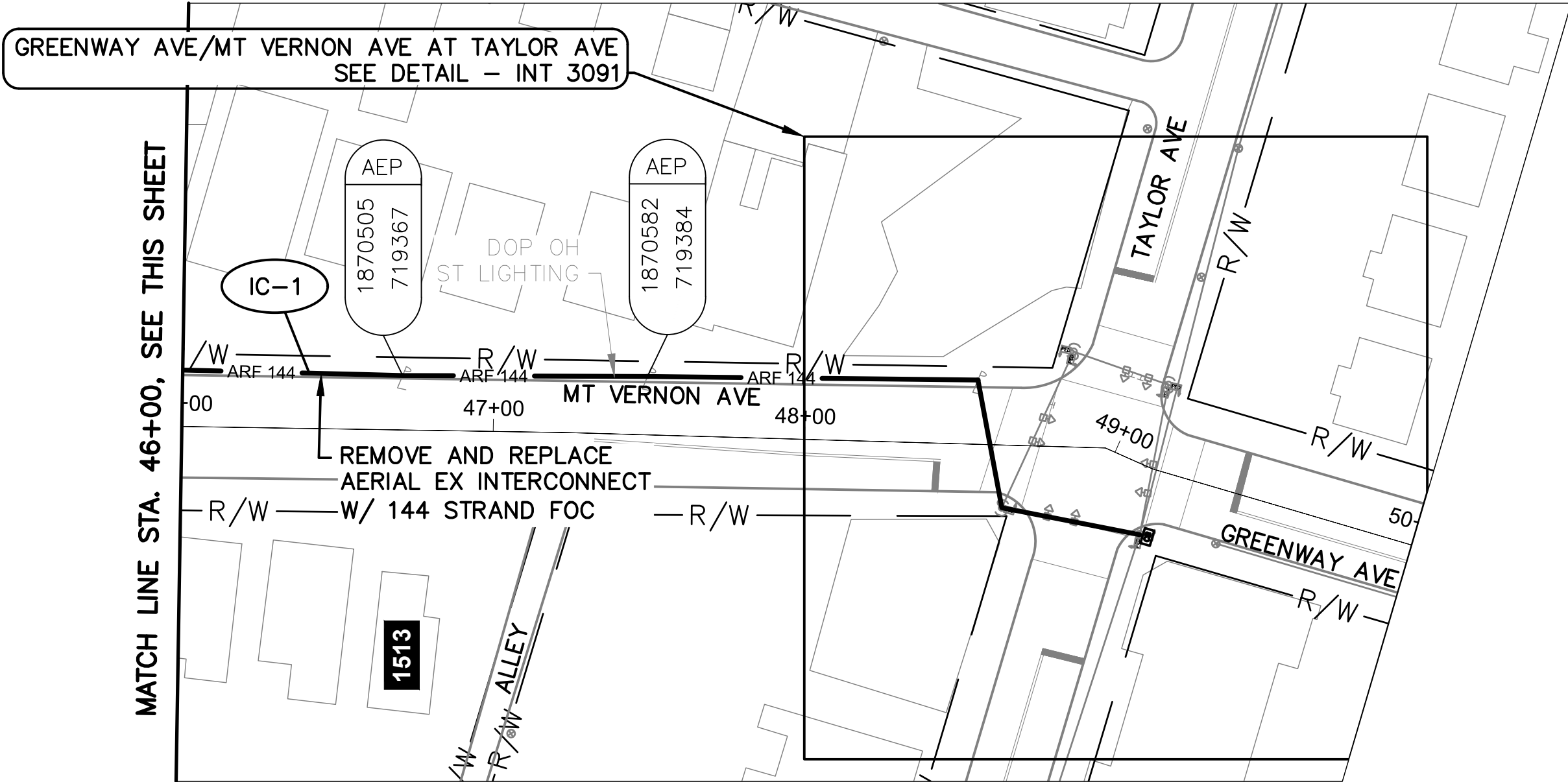
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MT VERNON AVE BETWEEN STATION 35+00 AND 46+00



DETAIL - INT 3091



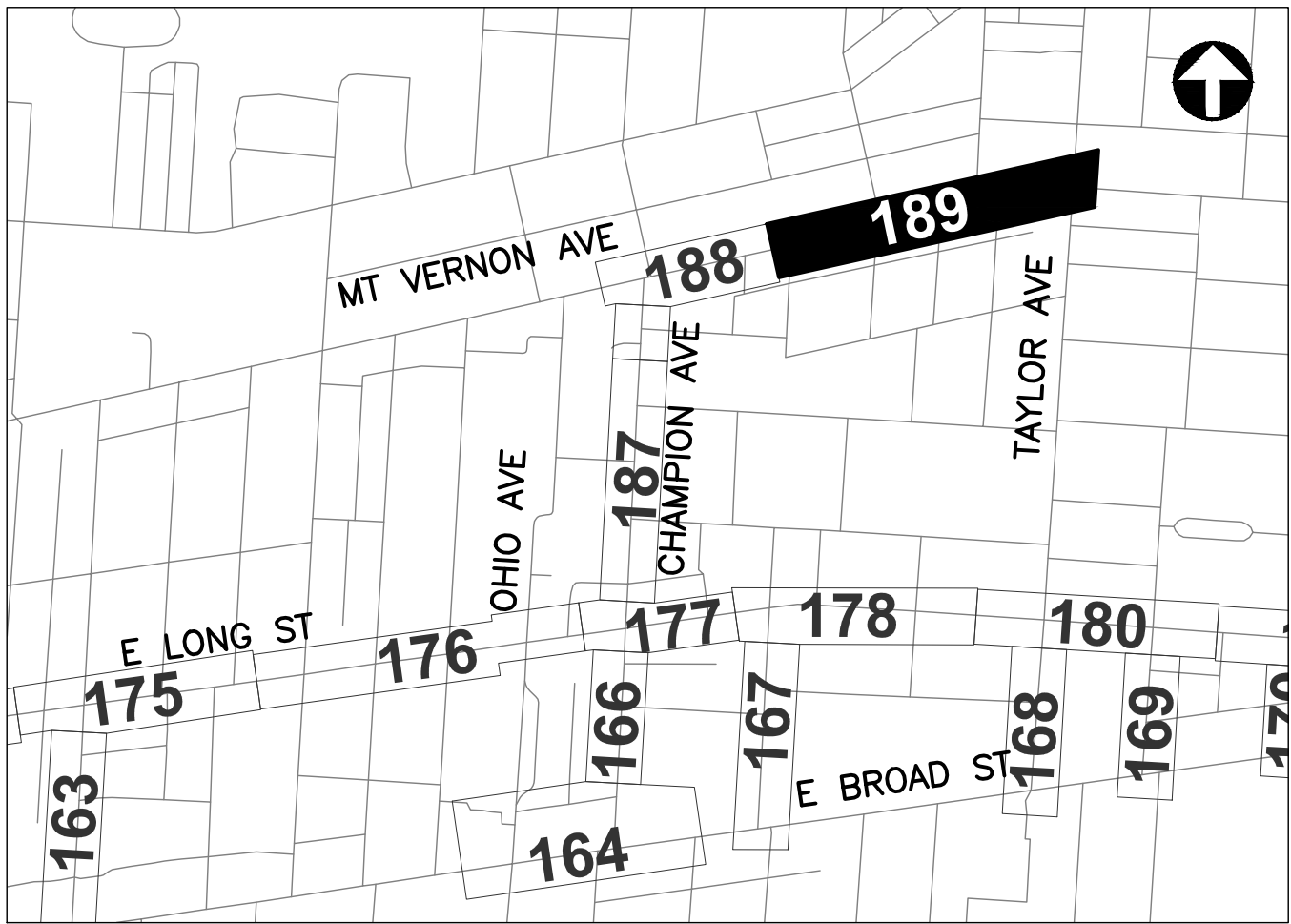
MT VERNON AVE BETWEEN STATION 46+00 AND 50+00

NOTES:

1. SEE SHEET 190 FOR QUANTITIES.
2. SEE SHEETS 678 & 861 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

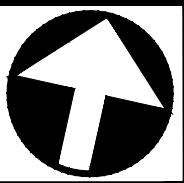


| CITY OF COLUMBUS UTILITY LEGEND     |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
MT VERNON AVE BETWEEN STA. 35+00 AND 50+00, INT 3091

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



J:\Jobs\60135\TECHPROD\Sheets\CTSS\_Phd\_Trunk2\_MT-VERNON\IC\_QUANTITIES.dwg -- MT-VERNON-01 layout -- last saved by: gburth 07/29/2016 03:10pm -- printed 03/18/2020 05:57pm

| ESTIMATED QUANTITIES                                  |               |                            |               |               |                                                |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                           |                                                                                        |                                                                                      |                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
|-------------------------------------------------------|---------------|----------------------------|---------------|---------------|------------------------------------------------|------------------------------------------------------------------|----------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|---|---|---|---|---|---|
| SHEET NO.                                             | REFERENCE NO. | LOCATION                   | STATION       |               | 202                                            | 625                                                              | 625                                    | 632                                               | 632                                                                  | 632                                                                | 632                                                                       | 632                                                                                    | 632                                                                                  | 632                                  | 633                                                                                    | 633                                                           | 633                                                                           |   |   |   |   |   |   |
|                                                       |               |                            |               |               | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | CONDUIT, CONCRETE<br>ENCASED, 2-3", 725.05, AS<br>PER PLAN<br>FT | TRENCH, 36" DEEP, AS<br>PER PLAN<br>FT | CONDUIT RISER, 2",<br>725.04, AS PER PLAN<br>EACH | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE<br>EACH | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE<br>CLAMSHELL, 288 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | WOOD POLE, CLASS 5, 35<br>FT<br>EACH | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN<br>EACH |   |   |   |   |   |   |
| CHAMPION AVE. BETWEEN STA. 1+25 AND 14+75             |               |                            |               |               |                                                |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                           |                                                                                        |                                                                                      |                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
| 187                                                   | IC-1          | CHAMPION AVE               | 1+25, 26' RT  | 14+75, 24' RT | 1,349                                          |                                                                  |                                        |                                                   | 1,349                                                                |                                                                    |                                                                           |                                                                                        |                                                                                      |                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
| MT VERNON AVE. BETWEEN STA. 24+00 AND 35+00           |               |                            |               |               |                                                |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                           |                                                                                        |                                                                                      |                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
| 188                                                   | IC-1          | CHAMPION AVE/MT VERNON AVE | 14+75, 24' RT | 29+38, 47' LT | 177                                            |                                                                  |                                        |                                                   | 177                                                                  |                                                                    |                                                                           |                                                                                        |                                                                                      |                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
| 188                                                   | IC-2          | MT VERNON AVE              | 29+36, 56' LT | 29+38, 47' LT |                                                | 8                                                                | 8                                      |                                                   | 8                                                                    |                                                                    |                                                                           |                                                                                        |                                                                                      |                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
| 188                                                   | IC-3          | MT VERNON AVE              | 29+36, 56' LT |               |                                                |                                                                  |                                        | 1                                                 | 35                                                                   |                                                                    |                                                                           |                                                                                        |                                                                                      |                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
| 188                                                   | IC-4          | MT VERNON AVE              | 29+36, 56' LT | 35+00, 20' LT |                                                |                                                                  |                                        |                                                   | 578                                                                  |                                                                    |                                                                           |                                                                                        | 578                                                                                  | 1                                    |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
| 188                                                   | IC-5          | MT VERNON AVE              | 30+18, 23' LT |               |                                                |                                                                  |                                        |                                                   | 150                                                                  |                                                                    |                                                                           |                                                                                        |                                                                                      |                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
| MT VERNON AVE. BETWEEN STA. 35+00 AND 50+00, INT 3091 |               |                            |               |               |                                                |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                           |                                                                                        |                                                                                      |                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
| 189                                                   | IC-1          | MT VERNON AVE              | 35+00, 20' LT | 38+00, 21' LT |                                                |                                                                  |                                        |                                                   | 375                                                                  |                                                                    |                                                                           |                                                                                        |                                                                                      |                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
| 189                                                   | SE A-1        | MT VERNON AVE              | 48+00, 21' LT |               |                                                |                                                                  |                                        |                                                   |                                                                      | 12                                                                 | 1                                                                         |                                                                                        |                                                                                      |                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
| 189                                                   | IC-2          | MT VERNON AVE              | 48+05, 21' LT | 49+15, 21' RT |                                                |                                                                  |                                        |                                                   |                                                                      |                                                                    |                                                                           |                                                                                        |                                                                                      |                                      |                                                                                        |                                                               |                                                                               |   |   |   |   |   |   |
| 189                                                   | TC-1          | MT VERNON AVE              | 49+15, 21' RT |               |                                                |                                                                  |                                        | 1                                                 |                                                                      |                                                                    |                                                                           |                                                                                        |                                                                                      |                                      | 2                                                                                      | 1                                                             | 1                                                                             |   |   |   |   |   |   |
| SHEET TOTAL                                           |               |                            |               |               | 1,526                                          | 8                                                                | 8                                      | 2                                                 | 3,747                                                                | 12                                                                 | 1                                                                         | 1                                                                                      | 2,041                                                                                | 2                                    | 2                                                                                      | 1                                                             | 1                                                                             | - | - | - | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT

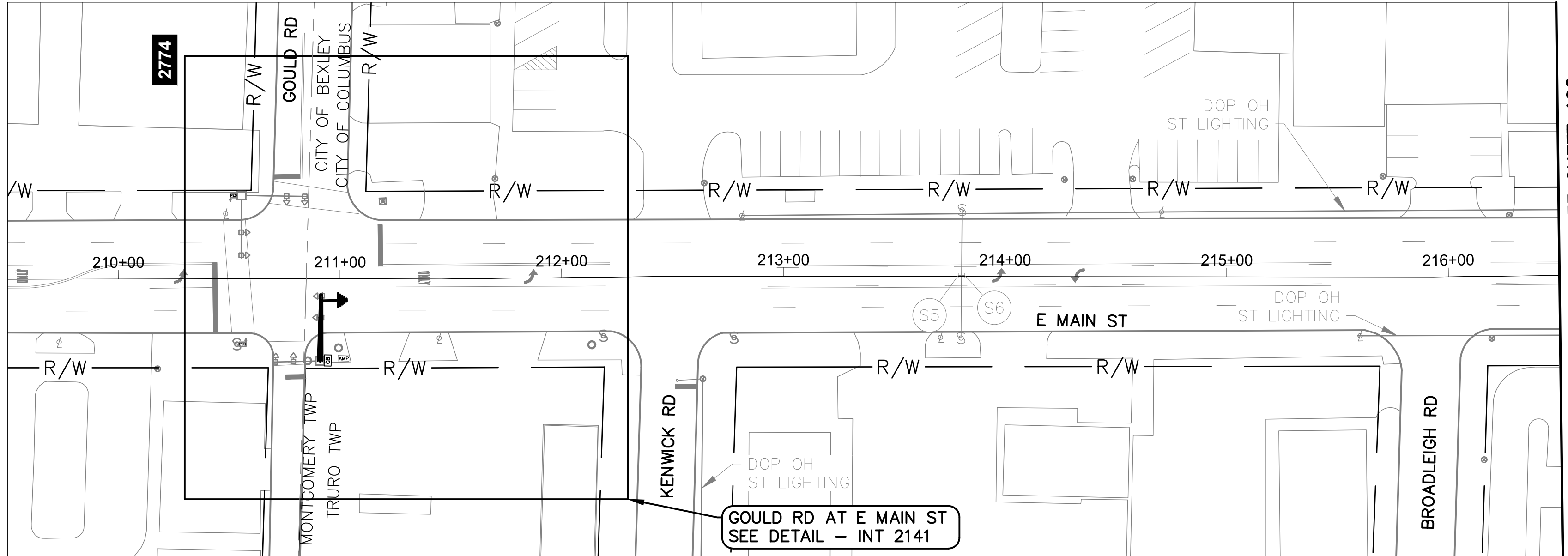
MT. VERNON AVE BTW STA. 27+00 & 50+00  
CHAMPION AVE BTW STA. 1+25 & 14+75, INT 3091

CIP: 540007-100006  
PID NUMBER: 82573

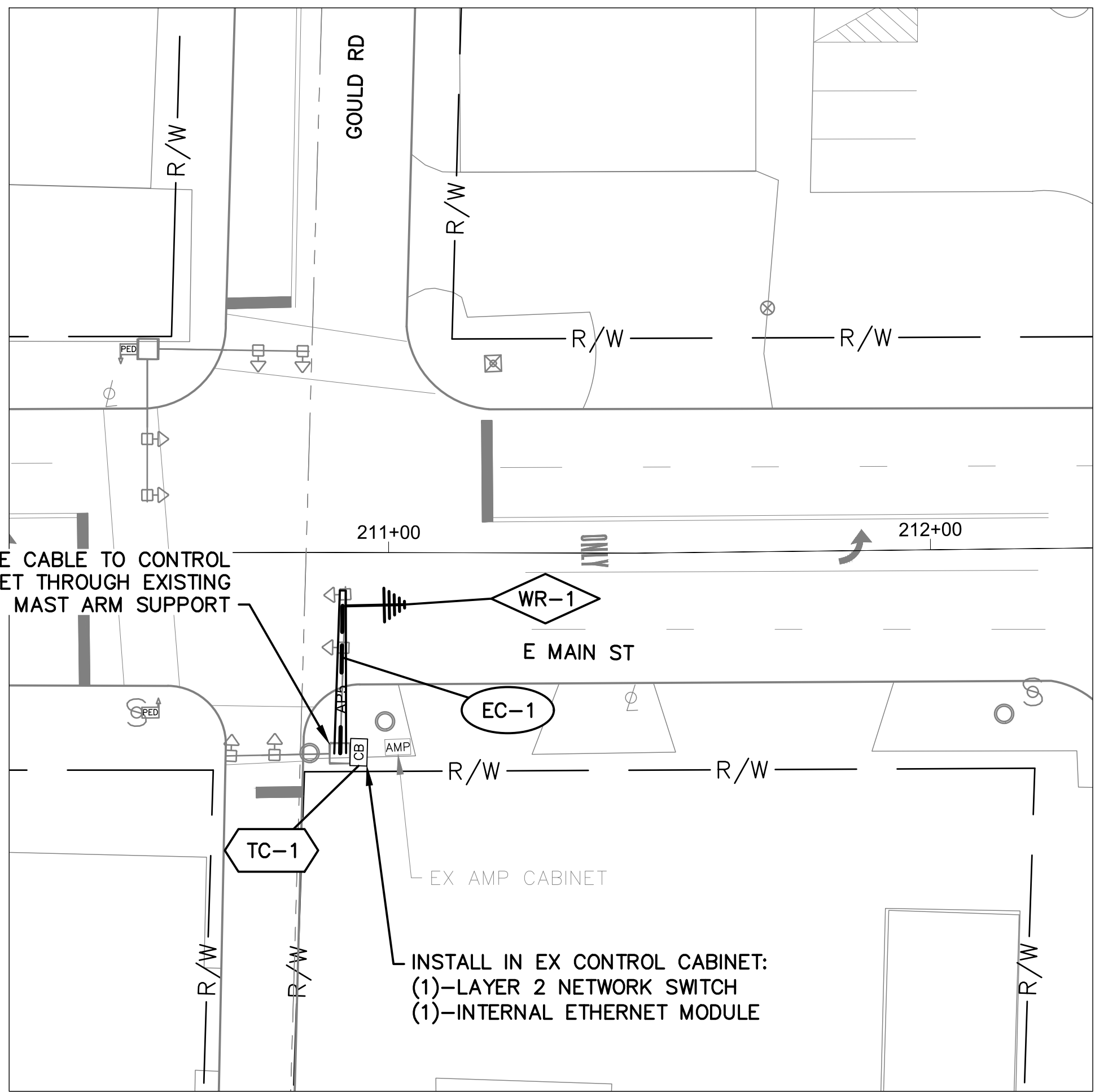
190  
1000



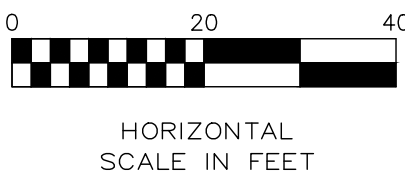
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E MAIN ST BETWEEN STATION 209+50 AND 216+50



DETAIL - INT 2141

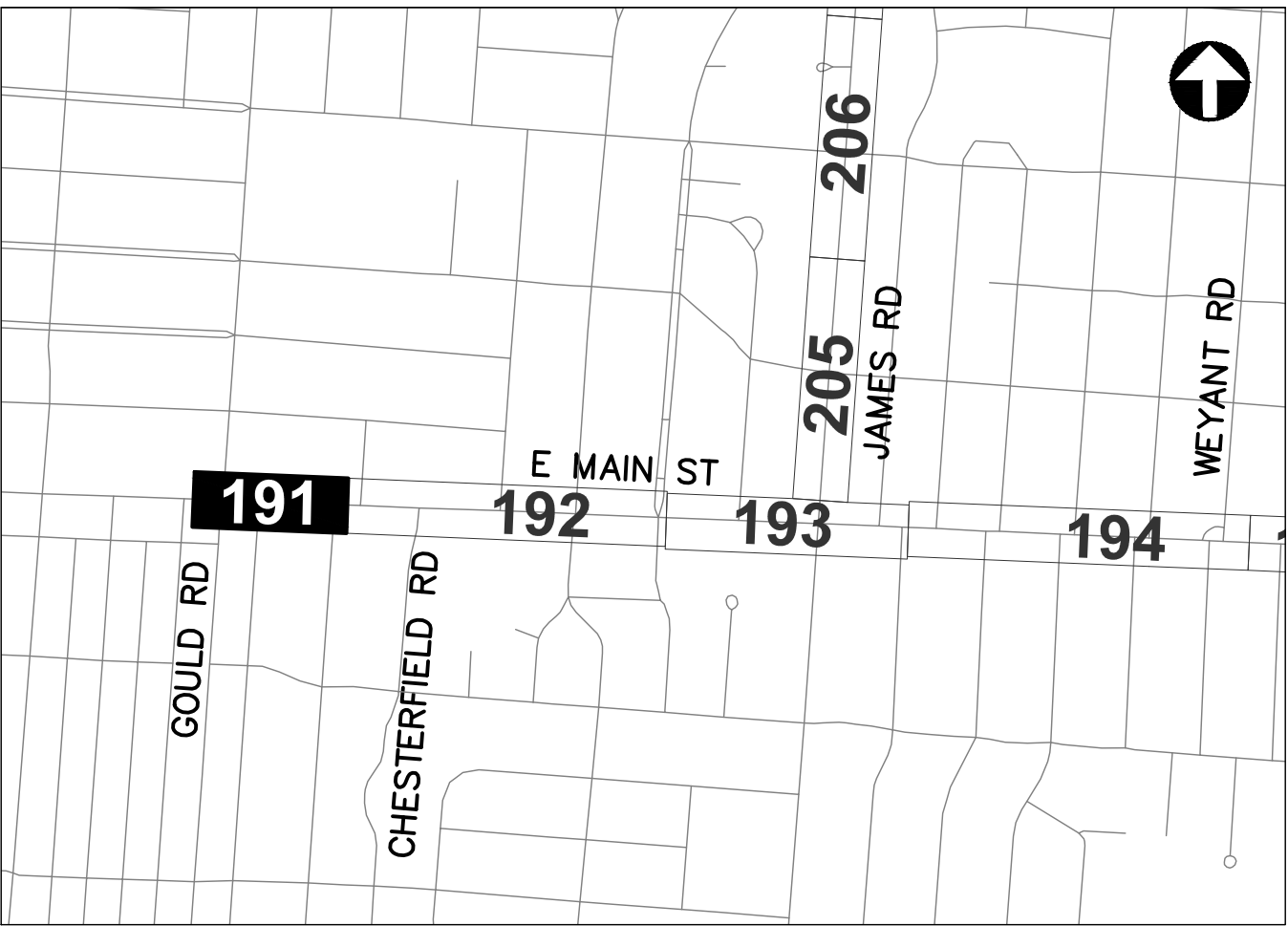


INT 2141 WITH  
EXISTING SIGNAL  
CONTROLLER

PROPOSED WIRELESS  
SEE SHEET 192  
INT 2142 - MAIN STREET  
AT EASTMOOR BOULEVARD

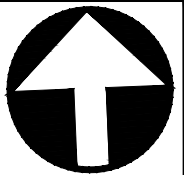
800-362-2764 or 8-1-1  
www.oups.org

- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

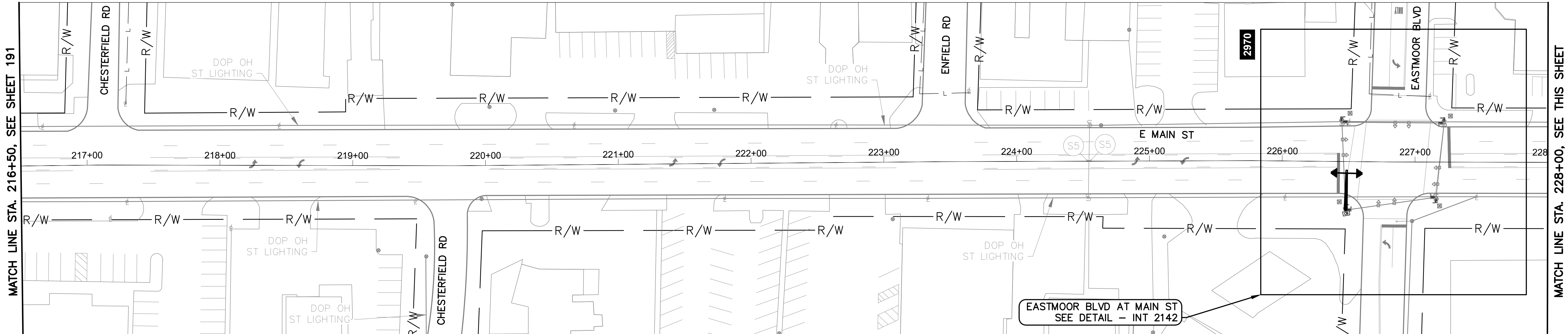
INTERCONNECT PLAN  
E MAIN ST BETWEEN STA. 209+50 AND 216+50, INT 2141

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

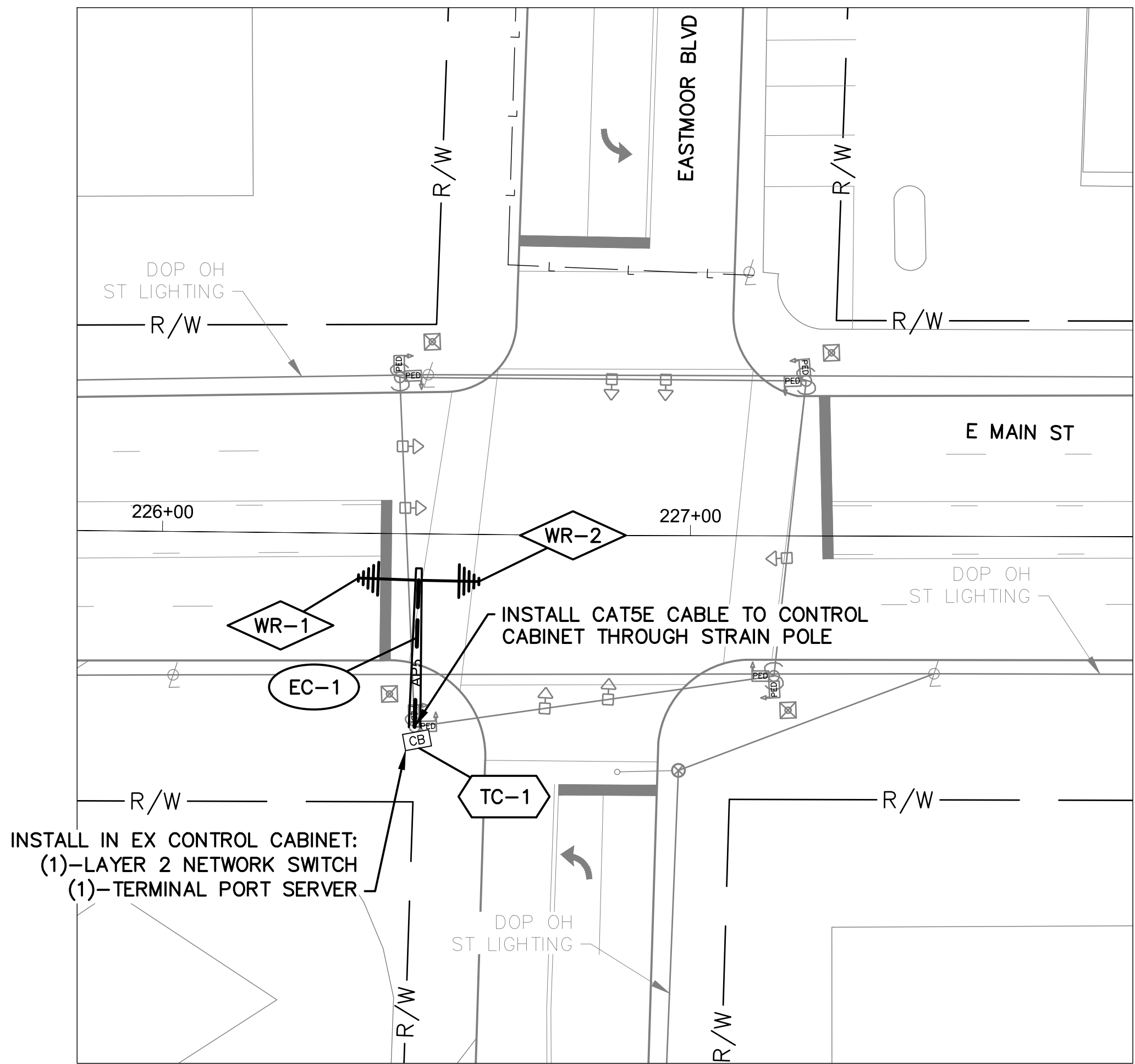
191  
1000



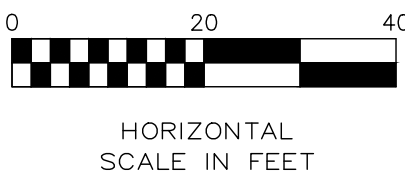
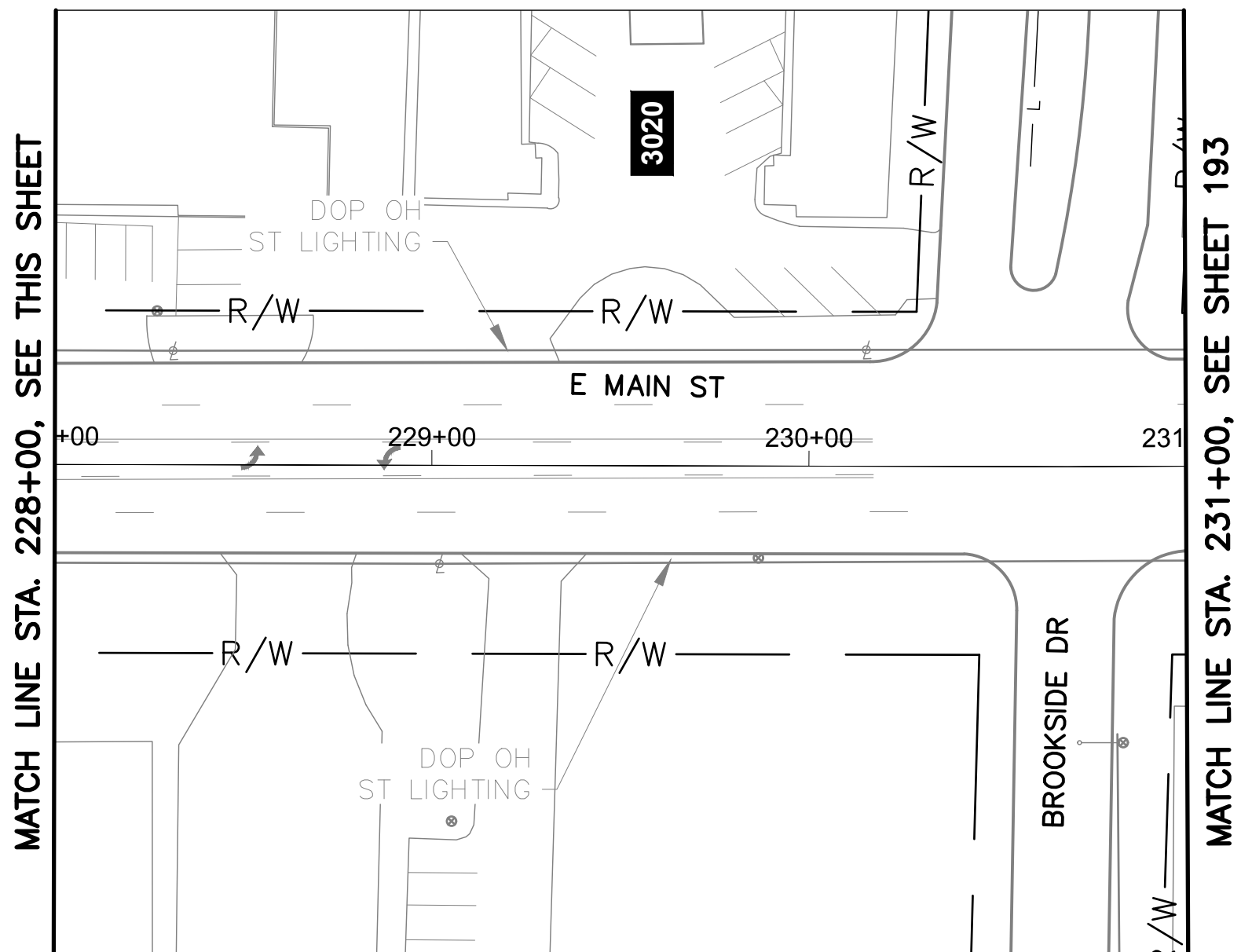
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E MAIN ST BETWEEN STATION 216+50 AND 228+00



DETAIL - INT 2142



E MAIN ST BETWEEN STATION 228+00 AND 231+00

NOTES:

1. SEE SHEET 196 FOR QUANTITIES.
2. SEE SHEETS 681 & 887 FOR COMMUNICATION DETAILS.

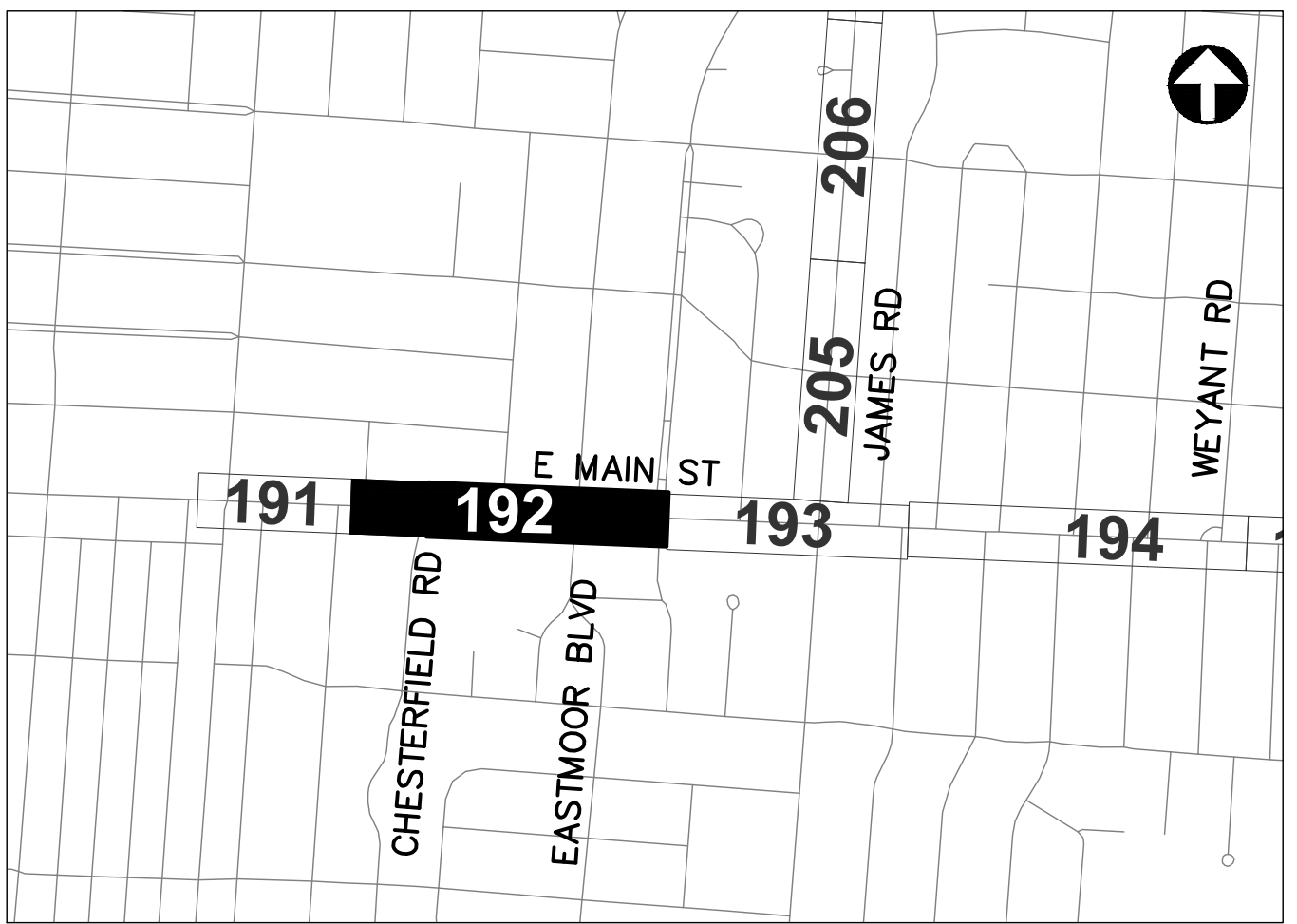


- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING

PROPOSED WIRELESS  
SEE SHEET 191  
INT 2141 - MAIN STREET  
AT GOULD ROAD

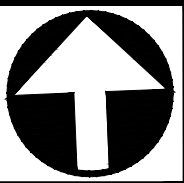
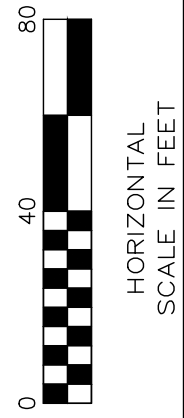
INT 2142 WITH  
EXISTING SIGNAL  
CONTROLLER

PROPOSED WIRELESS  
SEE SHEET 193  
INT 2180 - MAIN STREET  
AT JAMES ROAD



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E MAIN ST BETWEEN STA. 216+50 AND 231+00, INT 2142

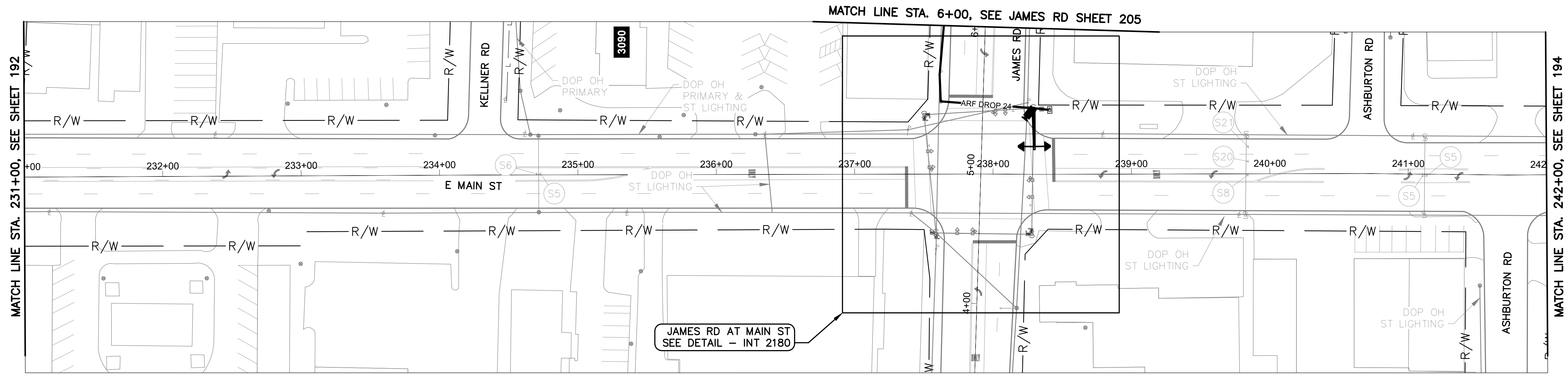
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

192  
1000

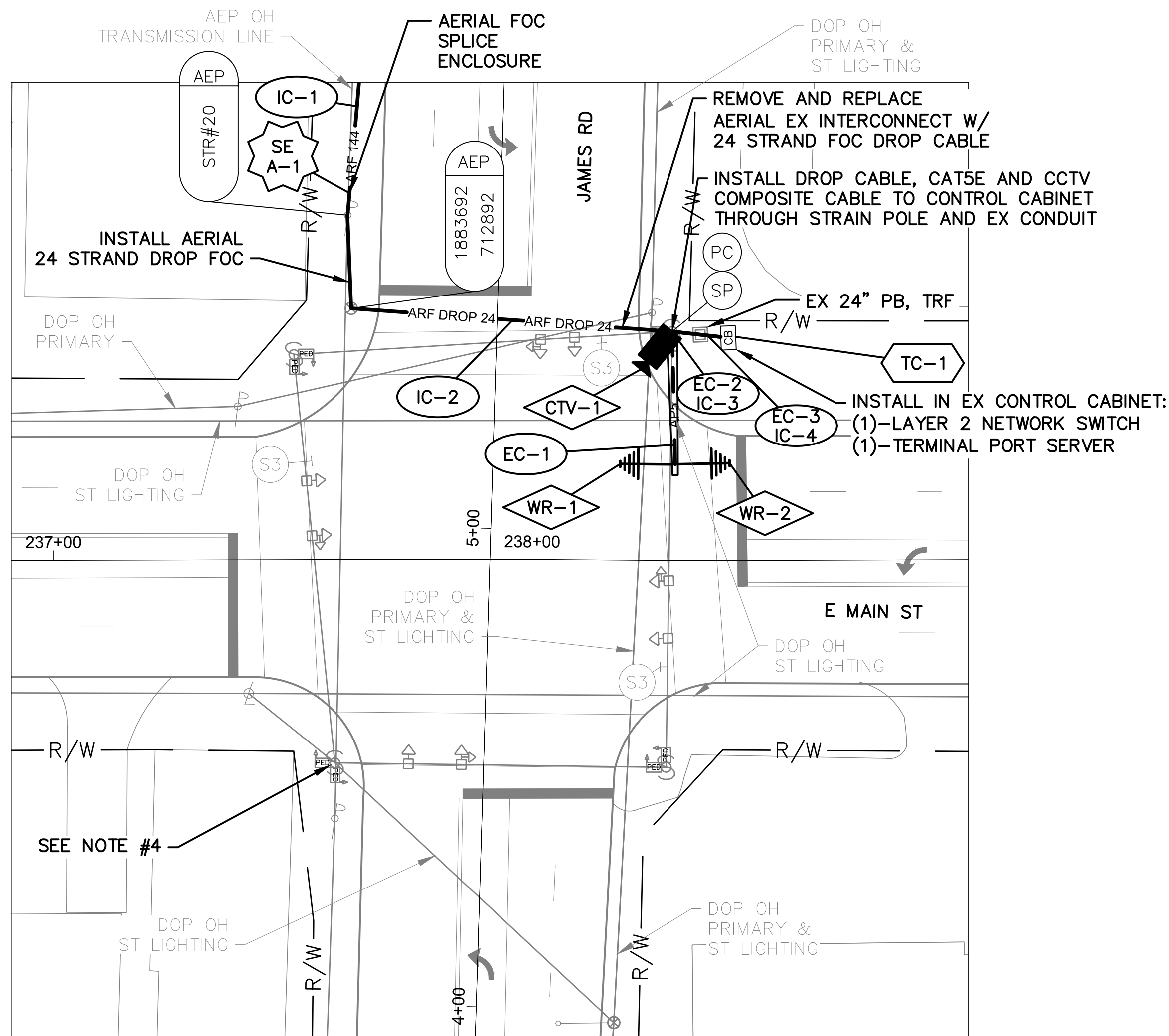
3150-E



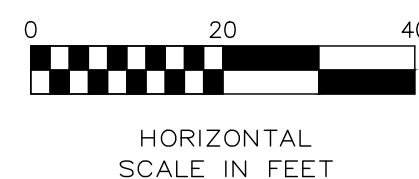
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E MAIN ST BETWEEN STATION 231+00 AND 242+00



DETAIL - INT 2180



PROPOSED WIRELESS  
SEE SHEET 192  
INT 2142 - MAIN STREET  
AT EASTMOOR BOULEVARD



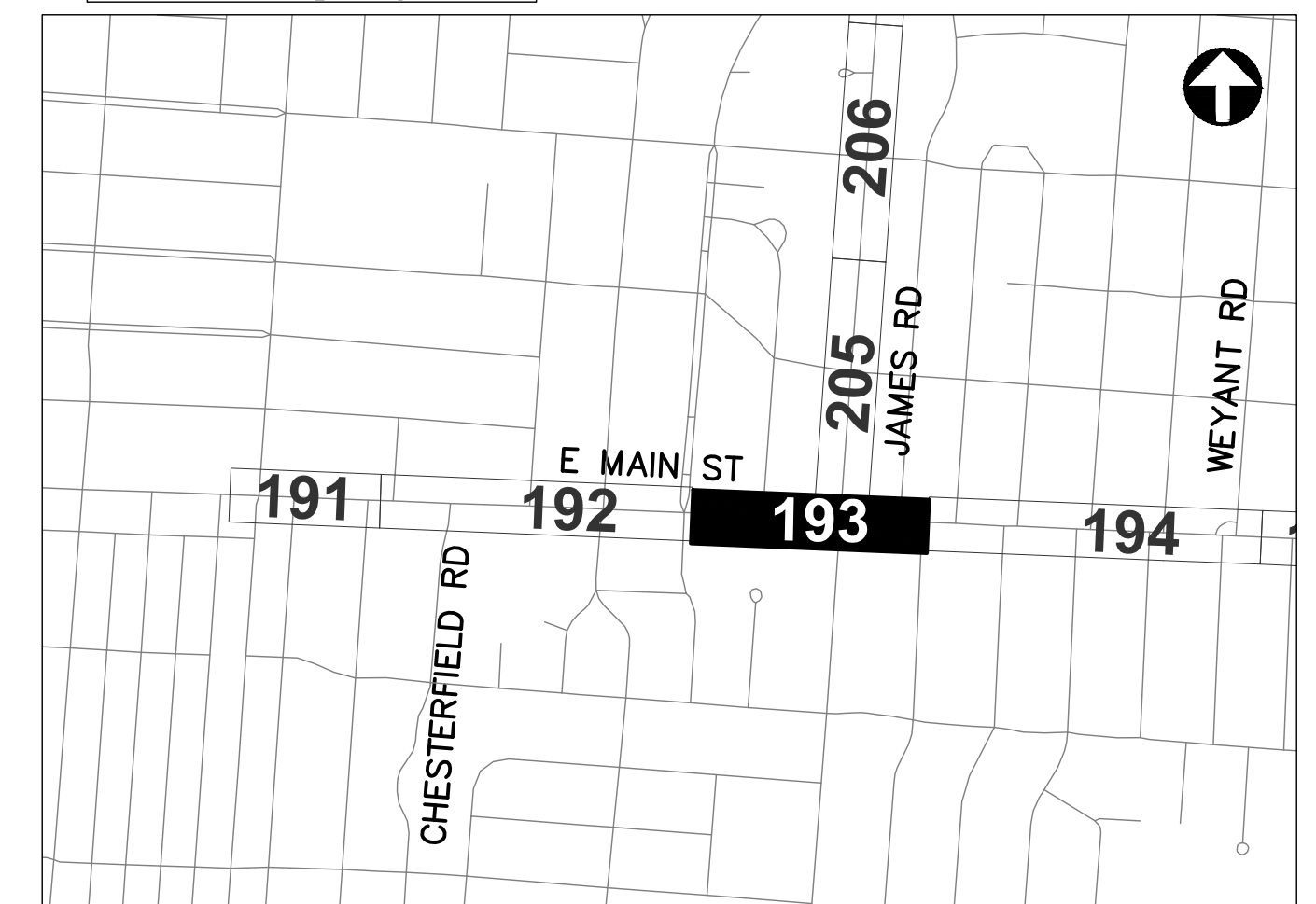
PROPOSED WIRELESS  
SEE SHEET 194  
INT 2143 - MAIN STREET  
AT WEYANT AVENUE

**NOTES:**

1. SEE SHEET 196 FOR QUANTITIES.
2. SEE SHEETS 681 & 888 FOR COMMUNICATION DETAILS.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E MAIN ST BETWEEN STA. 231+00 AND 242+00, INT 2180

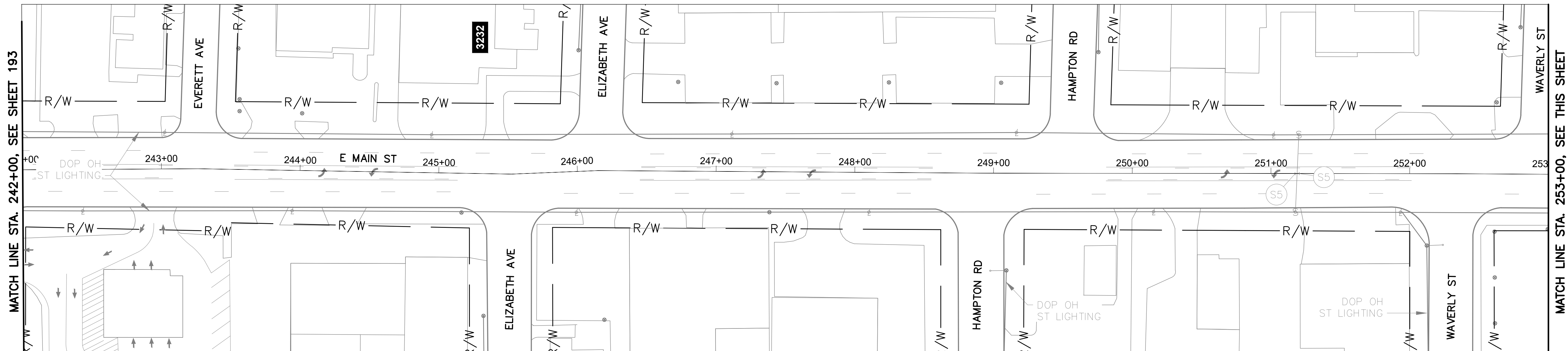
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

193  
1000

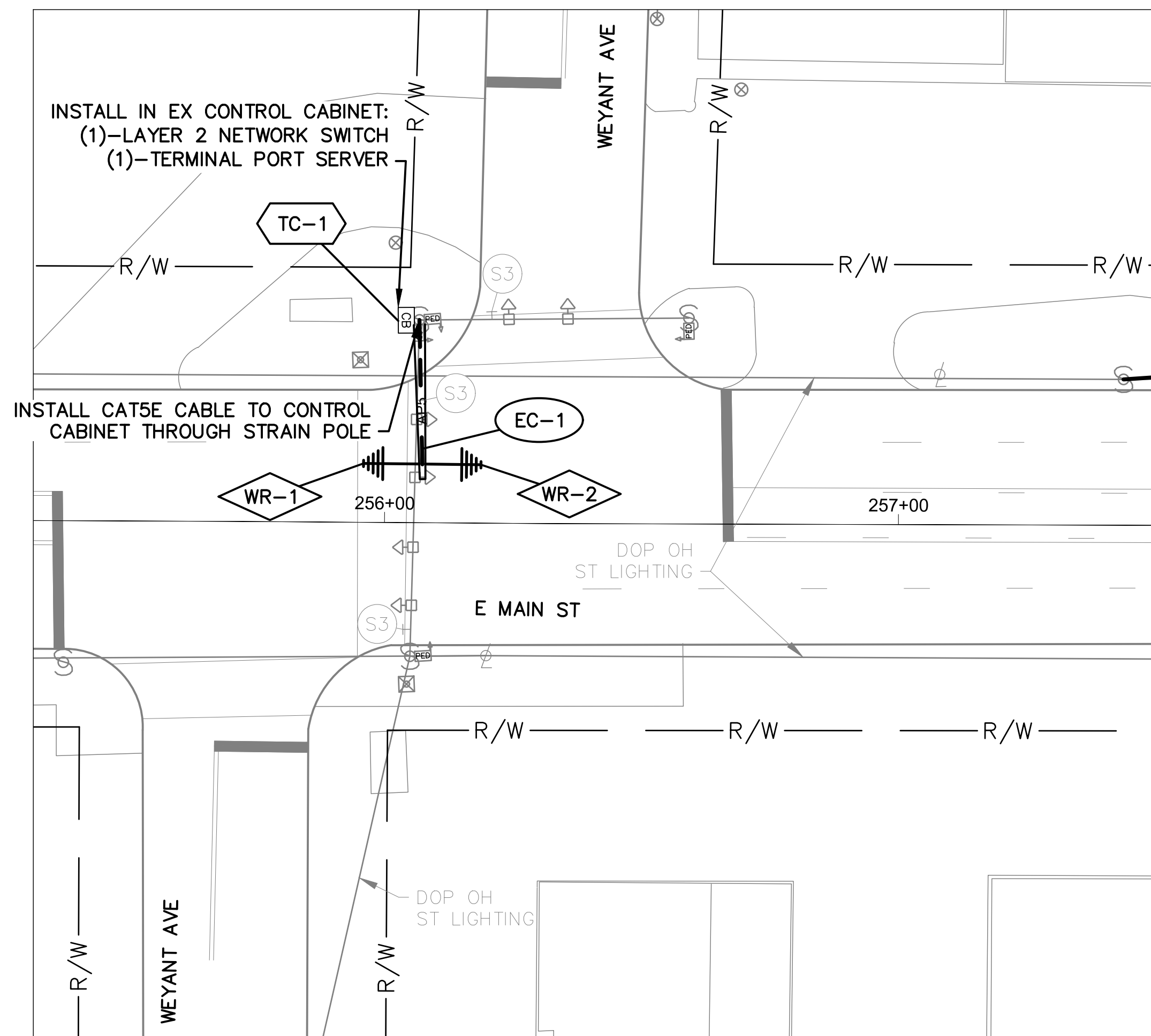
3150-E



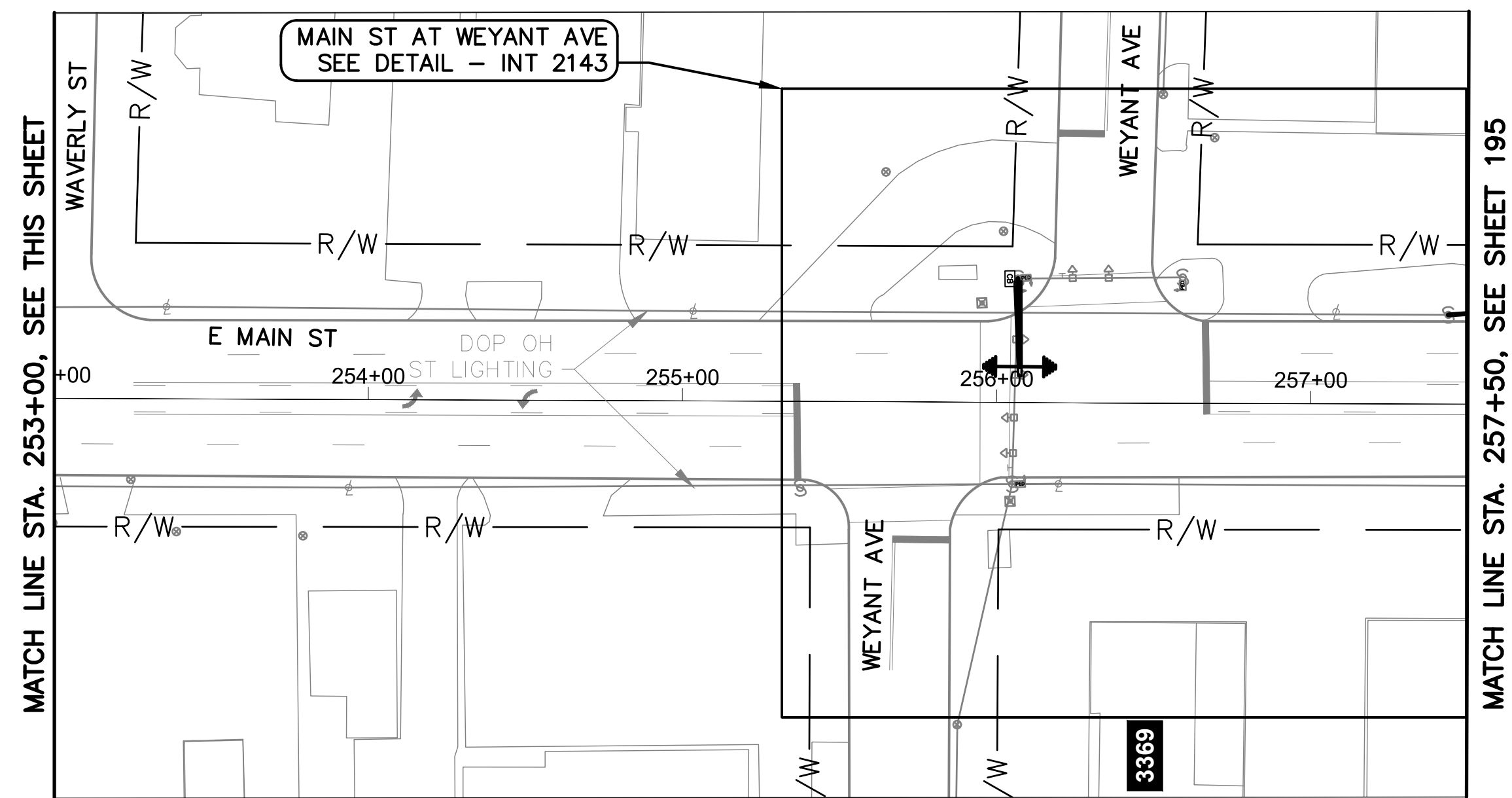
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E MAIN ST BETWEEN STATION 242+00 AND 253+00



DETAIL - INT 2143



E MAIN ST BETWEEN STATION 253+00 AND 257+50

PROPOSED WIRELESS  
SEE SHEET 193  
INT 2180 - MAIN STREET  
AT JAMES ROAD

INT 2143 WITH  
EXISTING SIGNAL  
CONTROLLER

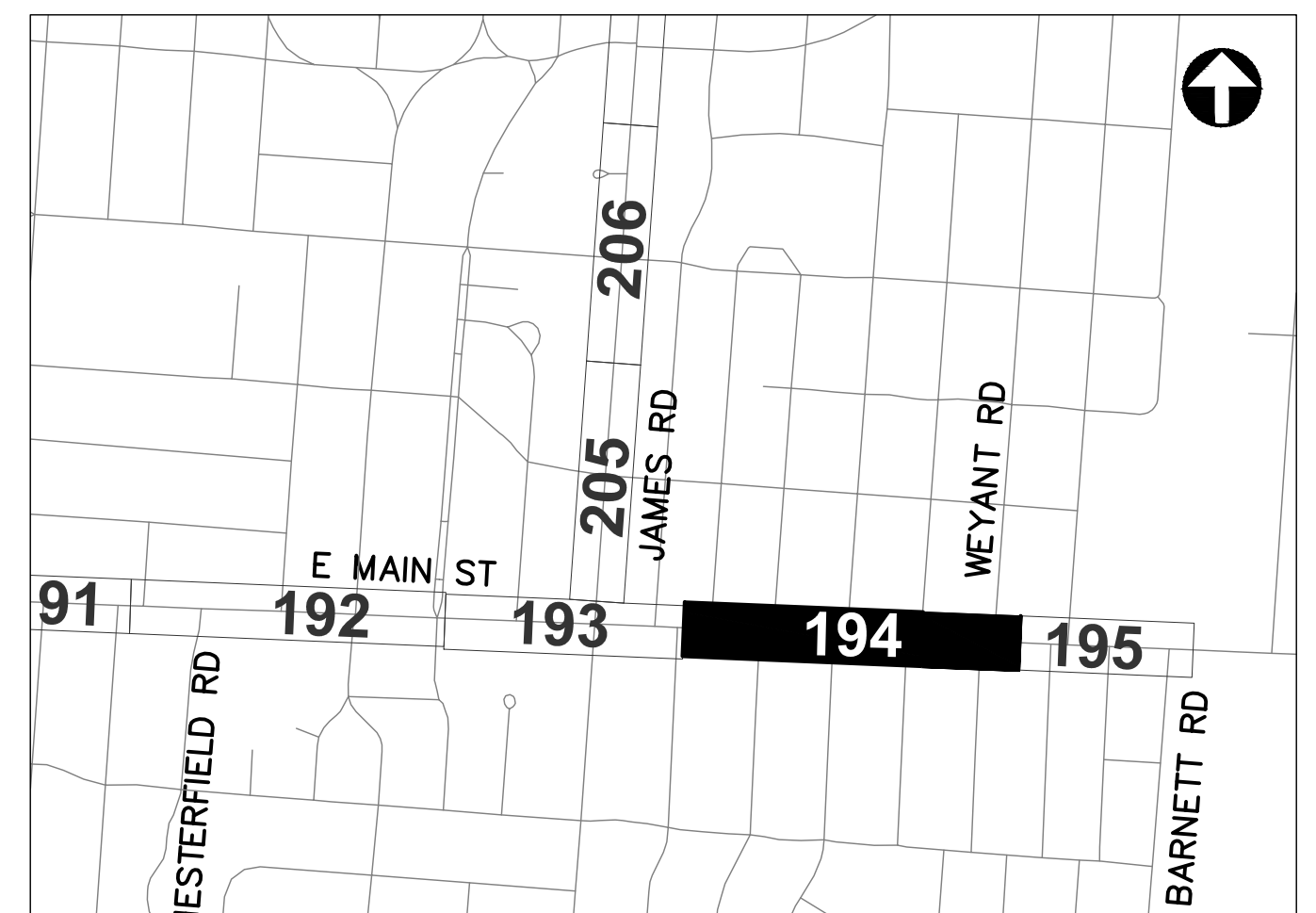
PROPOSED WIRELESS  
SEE SHEET 195  
INT 2144 - MAIN STREET  
AT BARNETT ROAD

NOTES:

1. SEE SHEET 196 FOR QUANTITIES.
2. SEE SHEETS 681 & 889 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



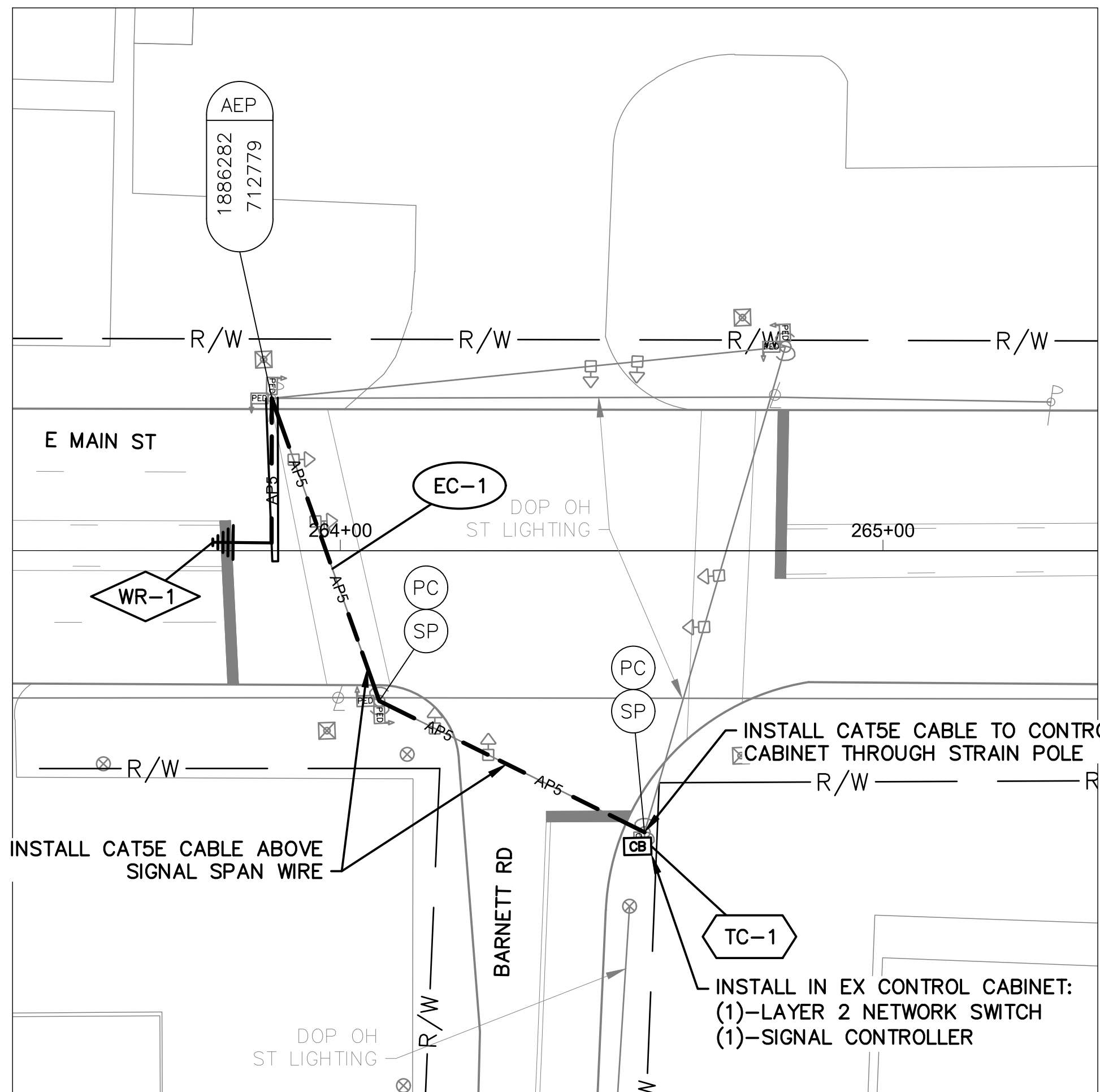
REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE





J:\Jobs\60135\TCHP000\Sheets\CTSS\_PHD\_Trunk2\_MAIN2\_INTERCONNECT.dwg -- MAIN-15 layout -- last saved by: jbeans 03/18/2020 03:30pm -- printed 03/18/2020 06:10pm



MATCH LINE STA. 257+50, SEE SHEET 194

E MAIN ST BETWEEN STATION 257+50 AND 265+50

PROPOSED WIRELESS  
SEE SHEET 194  
INT 2143 - MAIN STREET  
AT WEYANT AVENUE

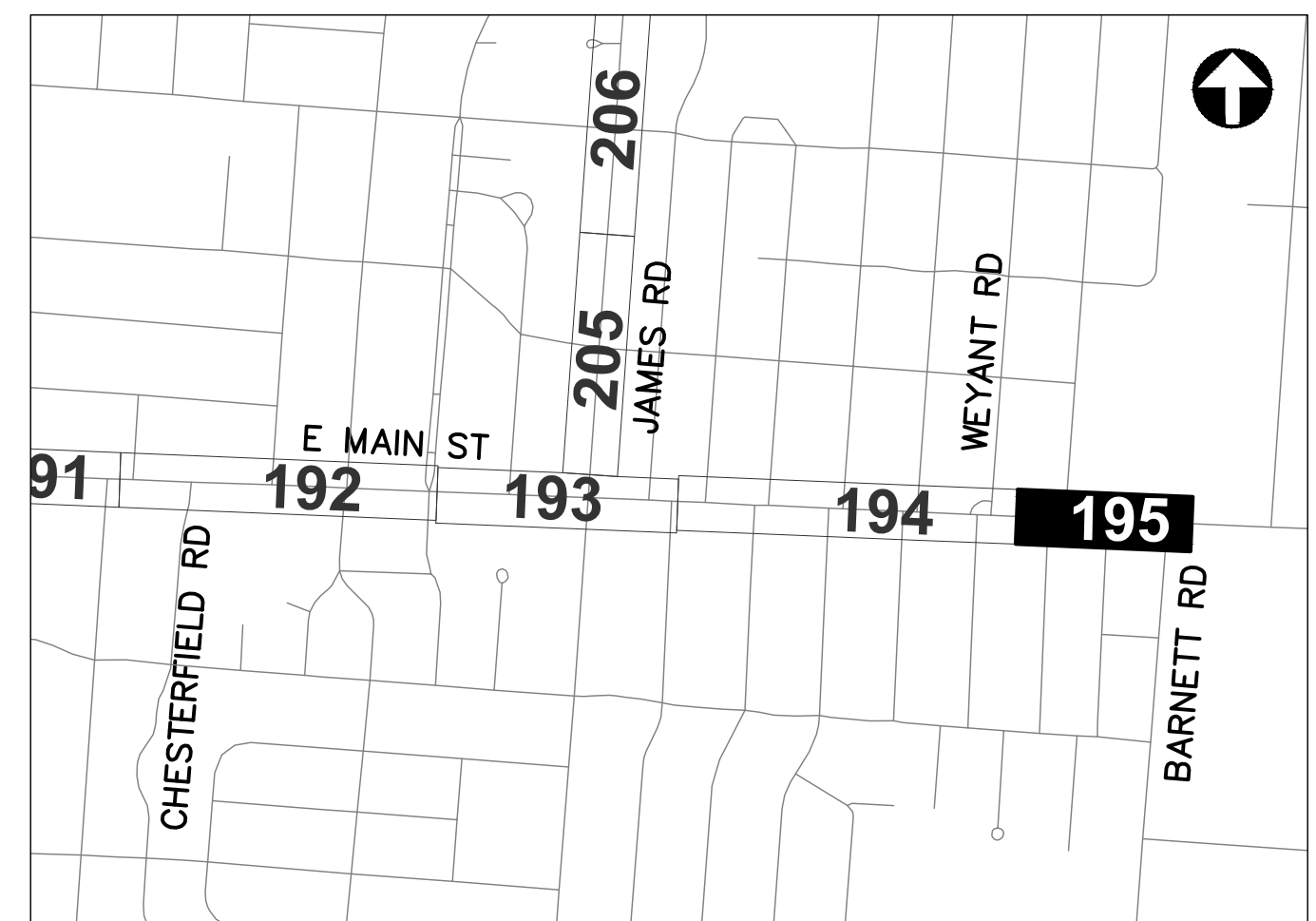
INT 2144 WITH  
EXISTING SIGNAL  
CONTROLLER

NOTES:

1. SEE SHEET 196 FOR QUANTITIES.
2. SEE SHEETS 681 & 890 FOR COMMUNICATION DETAILS.



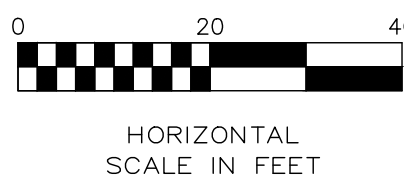
- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

DETAIL - INT 2144



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E MAIN ST BETWEEN STA. 257+50 AND 265+50, INT 2144

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

195  
1000

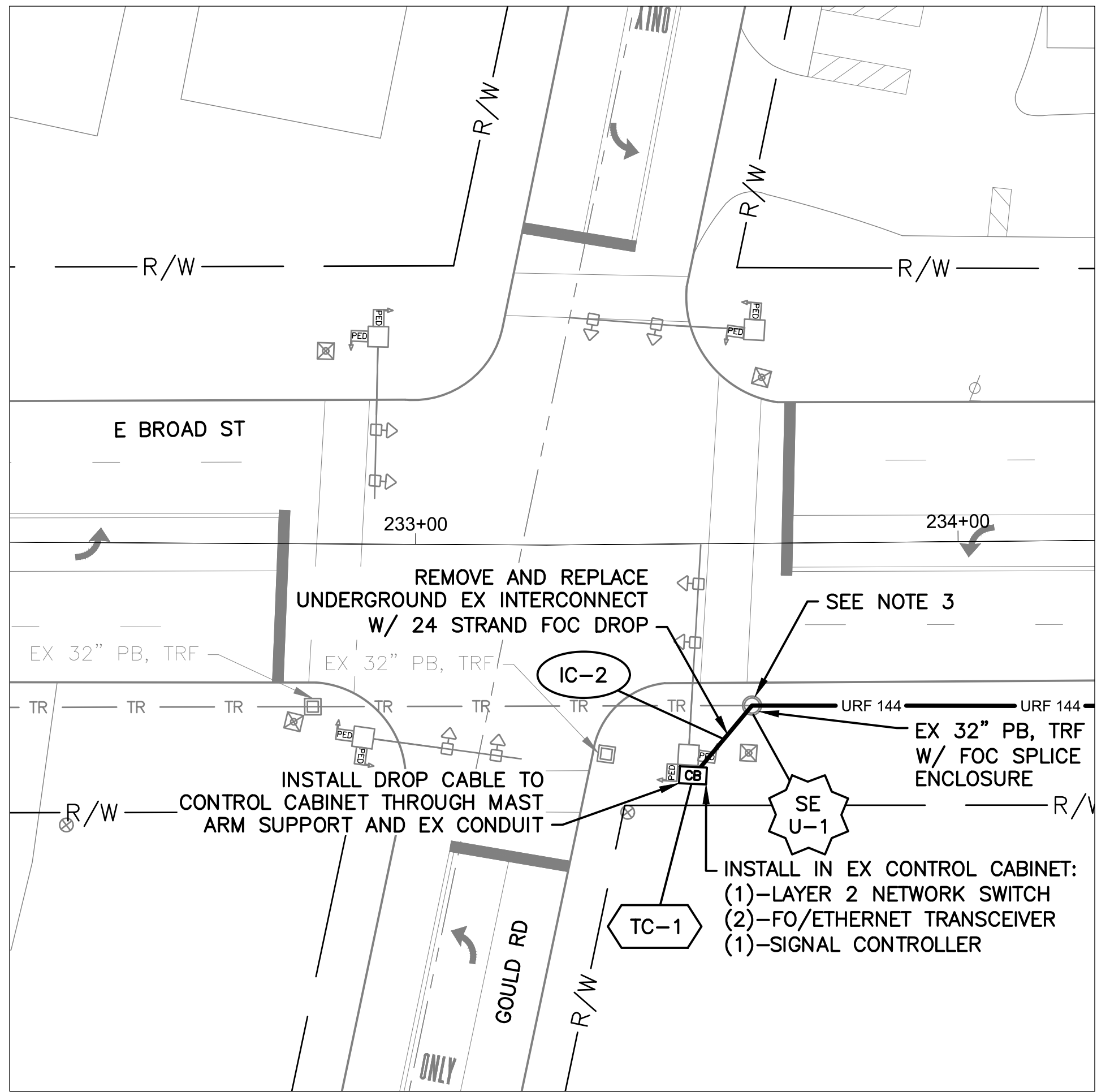
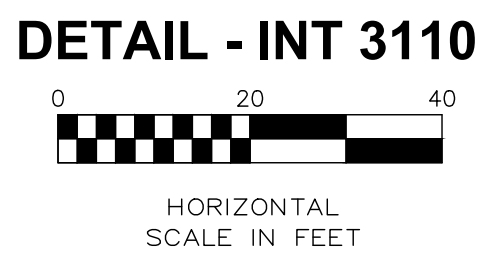
3150-E



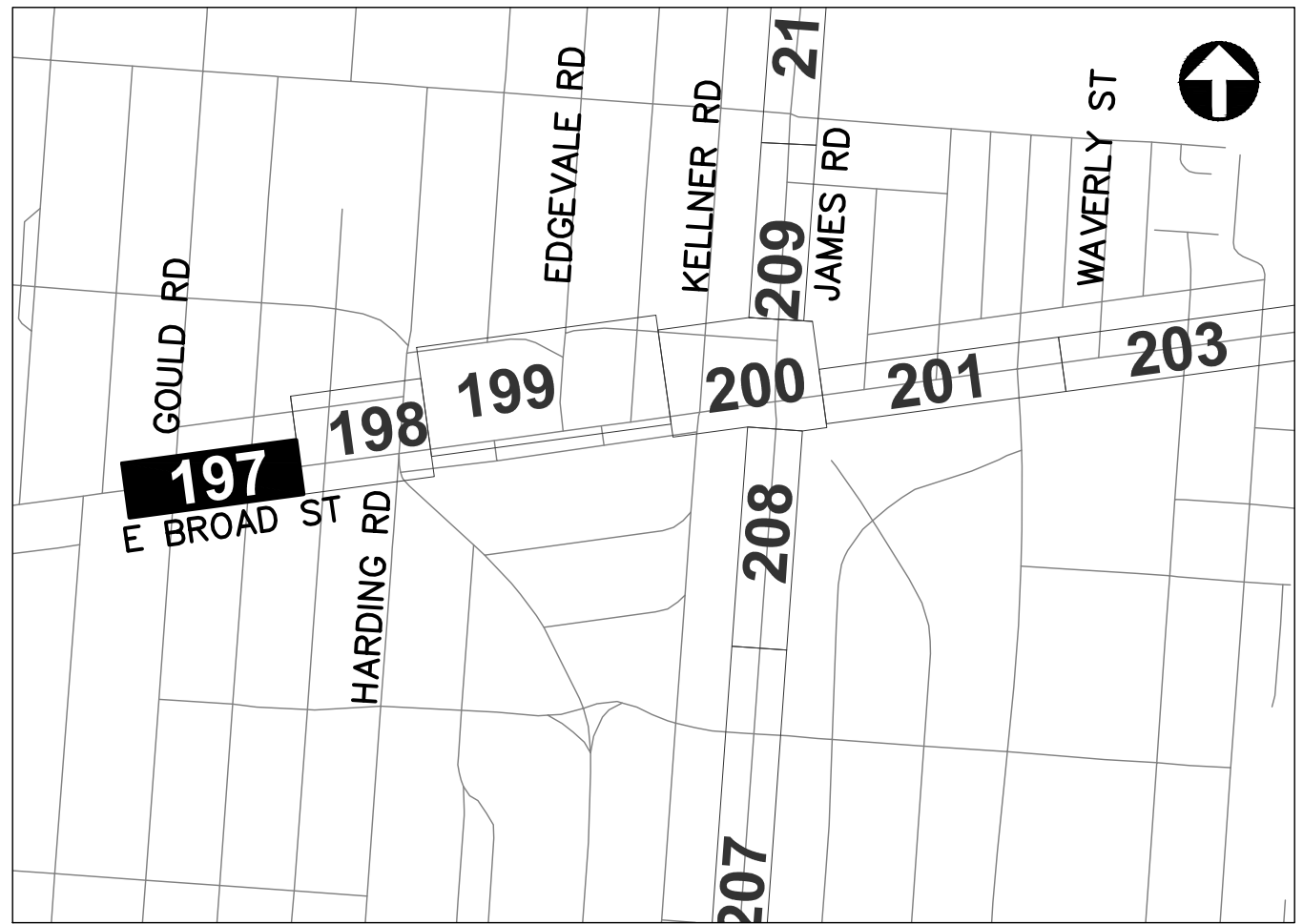
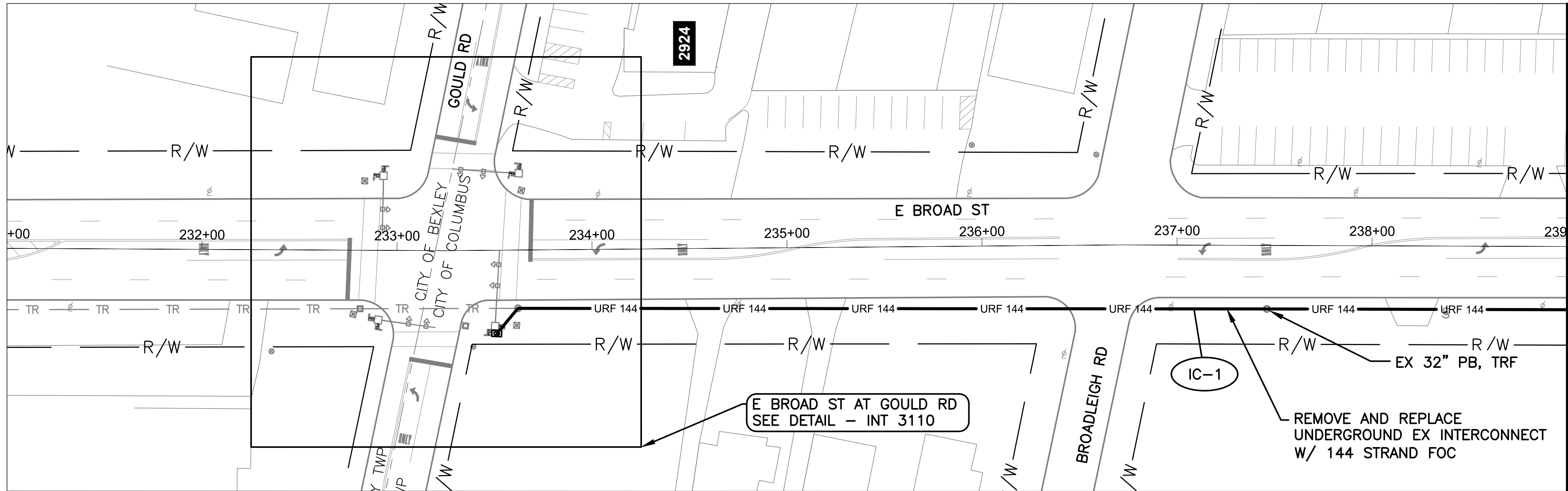
QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.



J:\Jobs\60135\TCHP000\Sheets\CTSS\_PHD\_Trunk2\_BROAD2\_INTERCONNECT.dwg -- BROAD-10 layout -- last saved by jjeans 03/18/2020 03:32pm -- printed 03/18/2020 06:12pm



- CITY OF COLUMBUS UTILITY LEGEND
- SEWER
  - WATER
  - POWER
  - LIGHTING

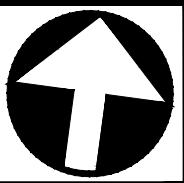
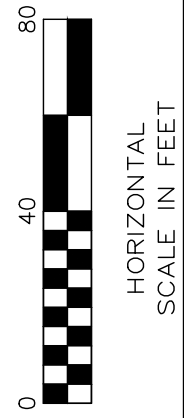


E BROAD ST BETWEEN STATION 231+00 AND 239+00

MATCH LINE STA. 239+00, SEE SHEET 198

NOTES:

- SEE SHEET 202 FOR QUANTITIES.
- SEE SHEETS 681 & 880 FOR COMMUNICATION DETAILS.
- TIE-IN POINT FOR CITY OF BEXLEY SIGNAL INTERCONNECT IMPROVEMENT PROJECT.



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E BROAD ST BETWEEN STA. 231+00 AND 239+00, INT 3110

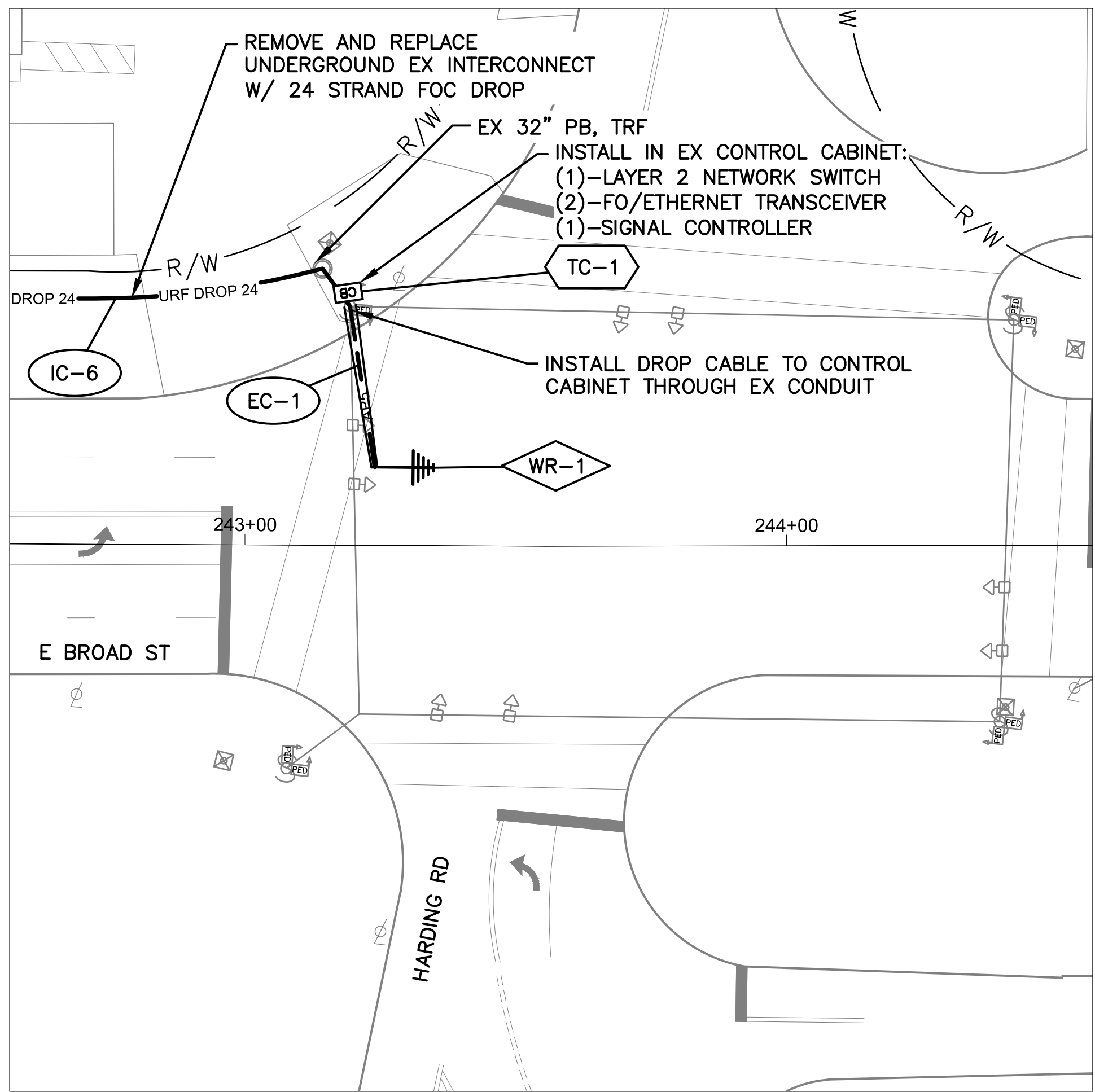
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

197  
1000

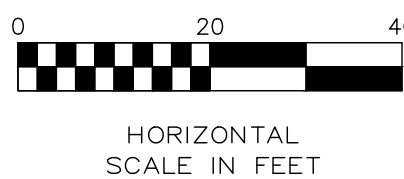
3150-E



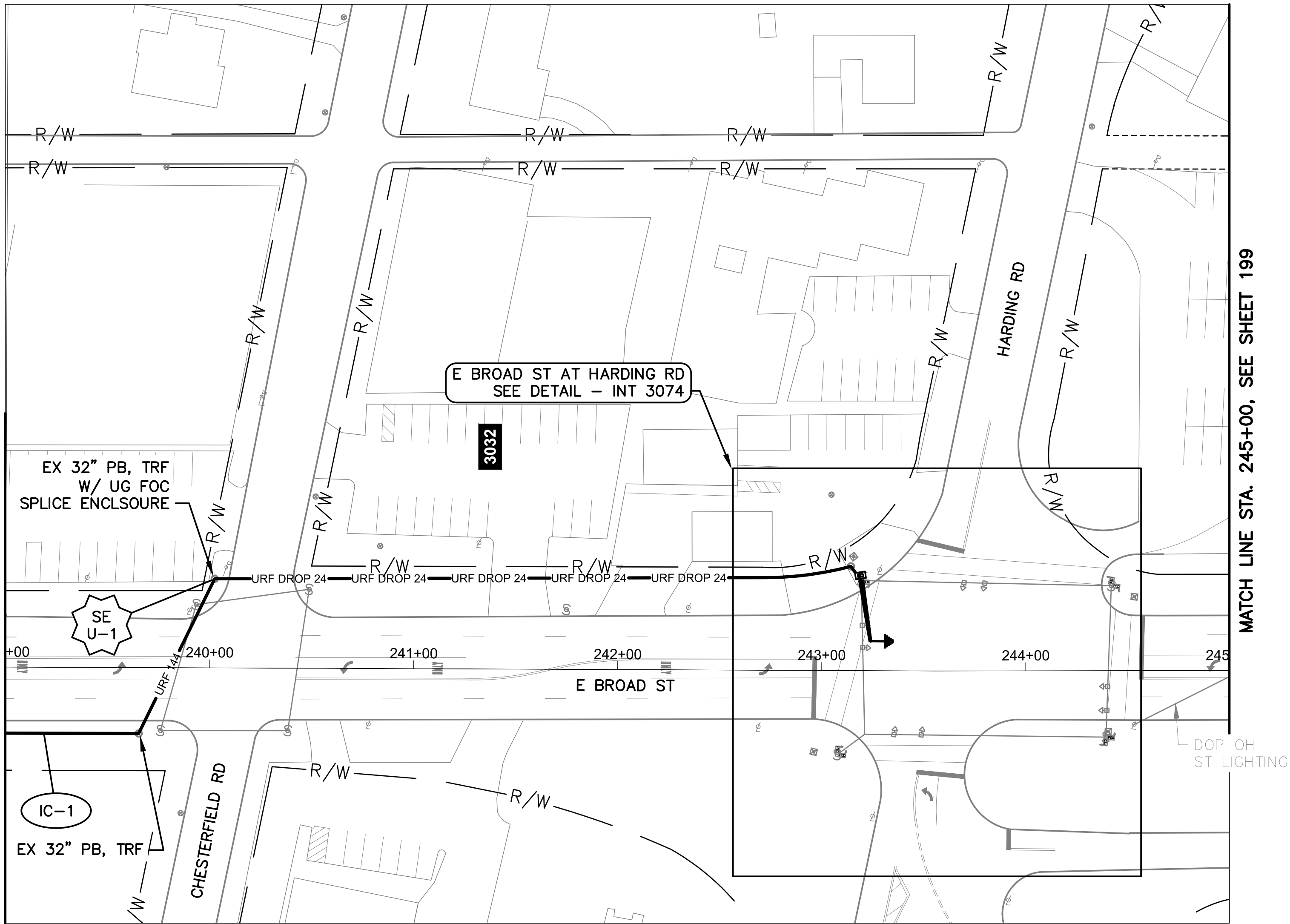
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DETAIL - INT 3074



MATCH LINE STA. 239+00, SEE SHEET 197



E BROAD ST BETWEEN STATION 239+00 AND 245+00

INT 3074 WITH  
PROPOSED SIGNAL  
CONTROLLER

PROPOSED WIRELESS  
SEE SHEET 200  
INT 3075 - BROAD  
STREET AT JAMES ROAD

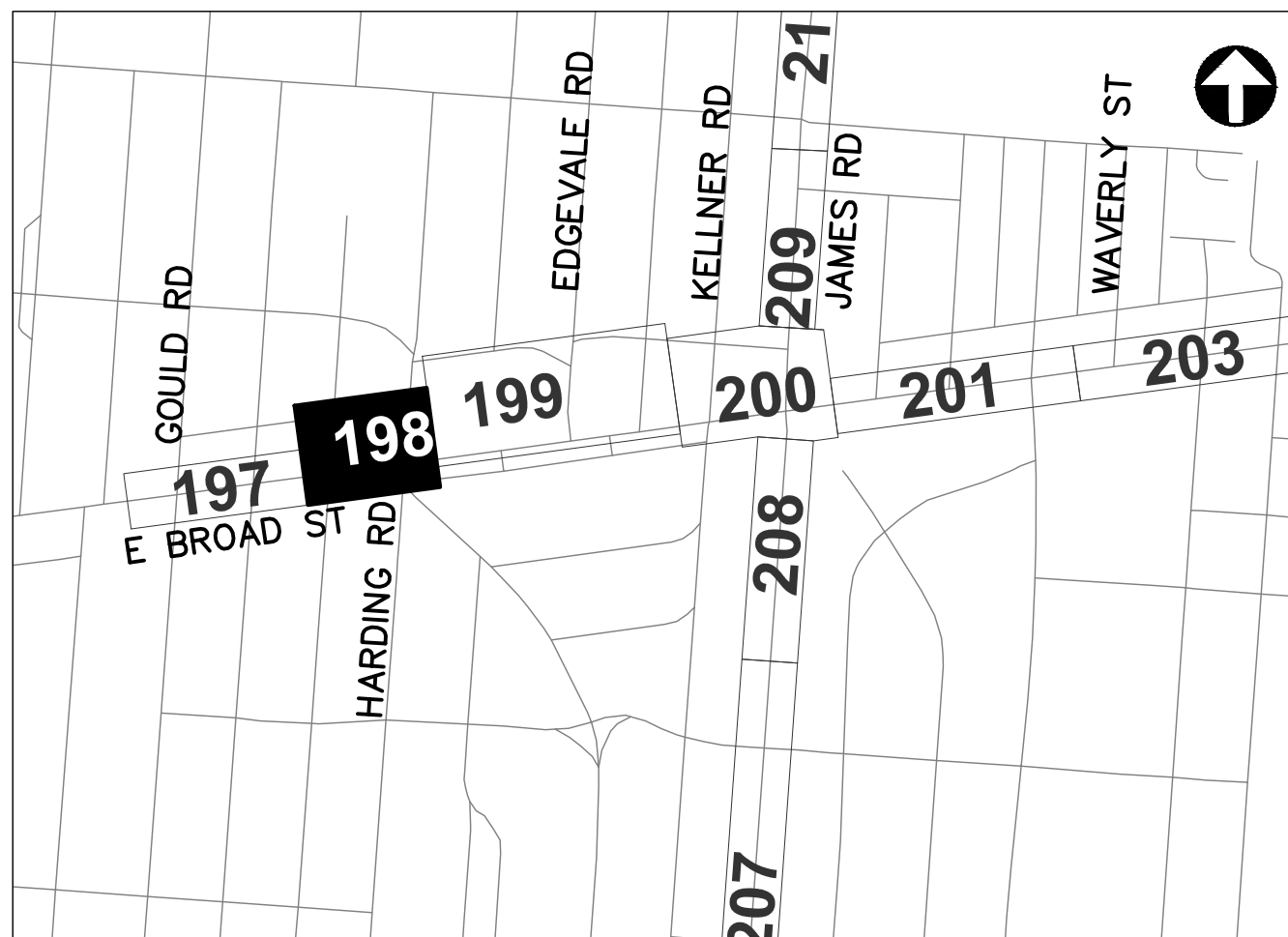
NOTES:

1. SEE SHEET 202 FOR QUANTITIES.
2. SEE SHEETS 681 & 881 FOR COMMUNICATION DETAILS.



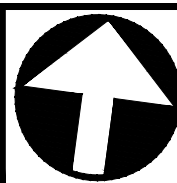
CITY OF COLUMBUS  
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E BROAD ST BETWEEN STA. 239+00 AND 245+00, INT 3074

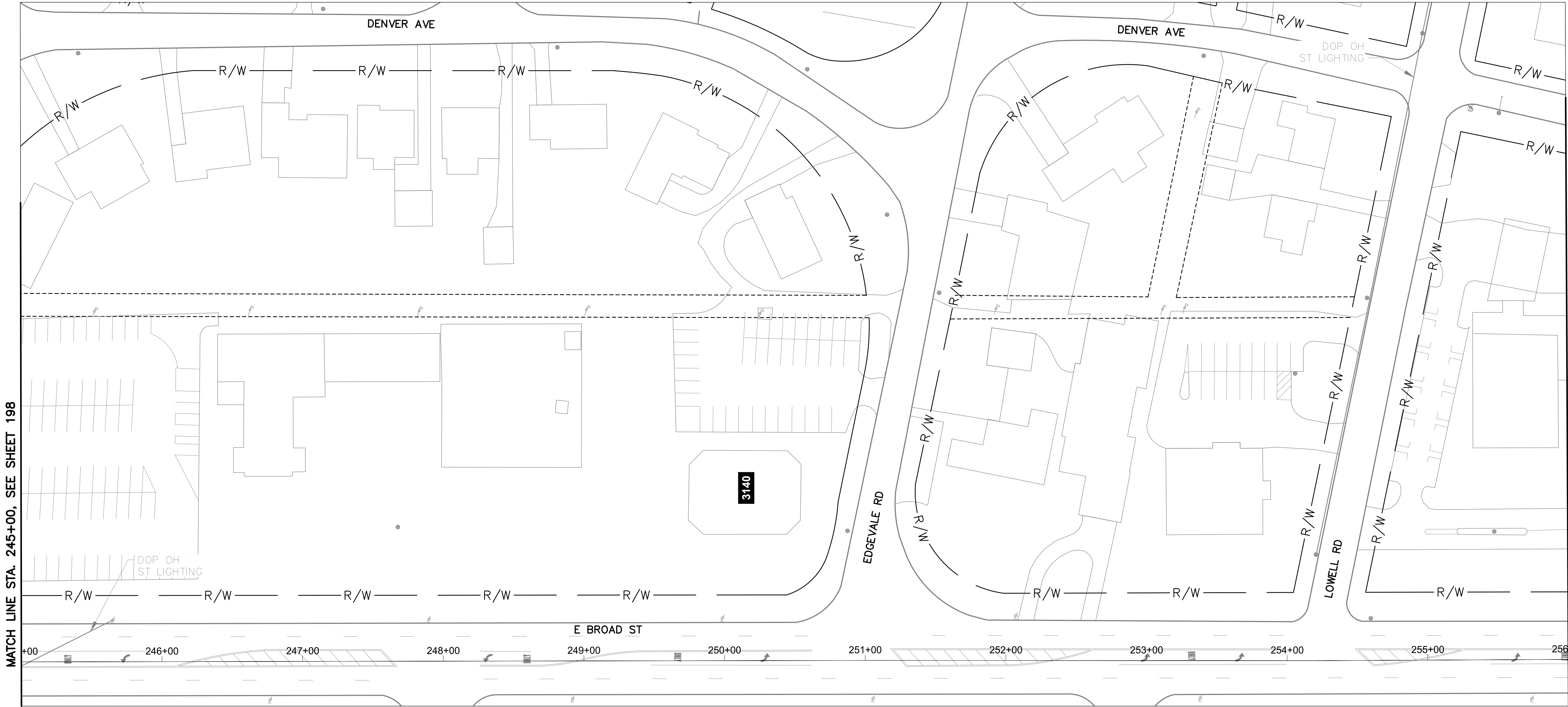
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

198  
1000

3150-E



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk2\_BROAD2\_INTERCONNECT.dwg -- BROAD-11A layout -- last saved by: jbeane 03/18/2020 03:32pm -- printed 03/18/2020 06:14pm



E BROAD ST BETWEEN STATION 245+00 AND 256+00

NOTES:

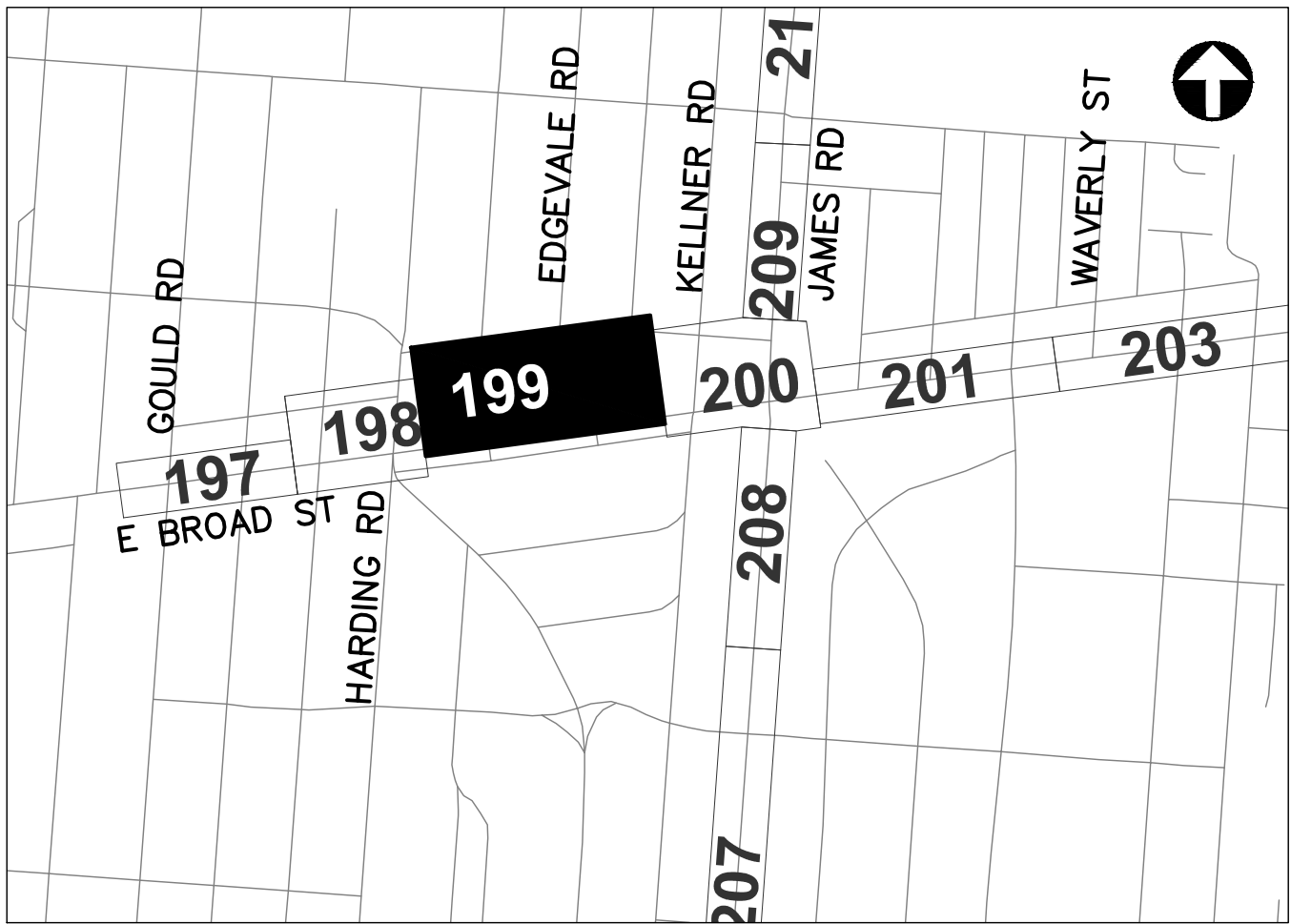
1. NO WORK ON THIS SHEET, FOR REFERENCE ONLY.
2. SEE SHEET 681 FOR COMMUNICATION DETAILS.

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  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING

REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

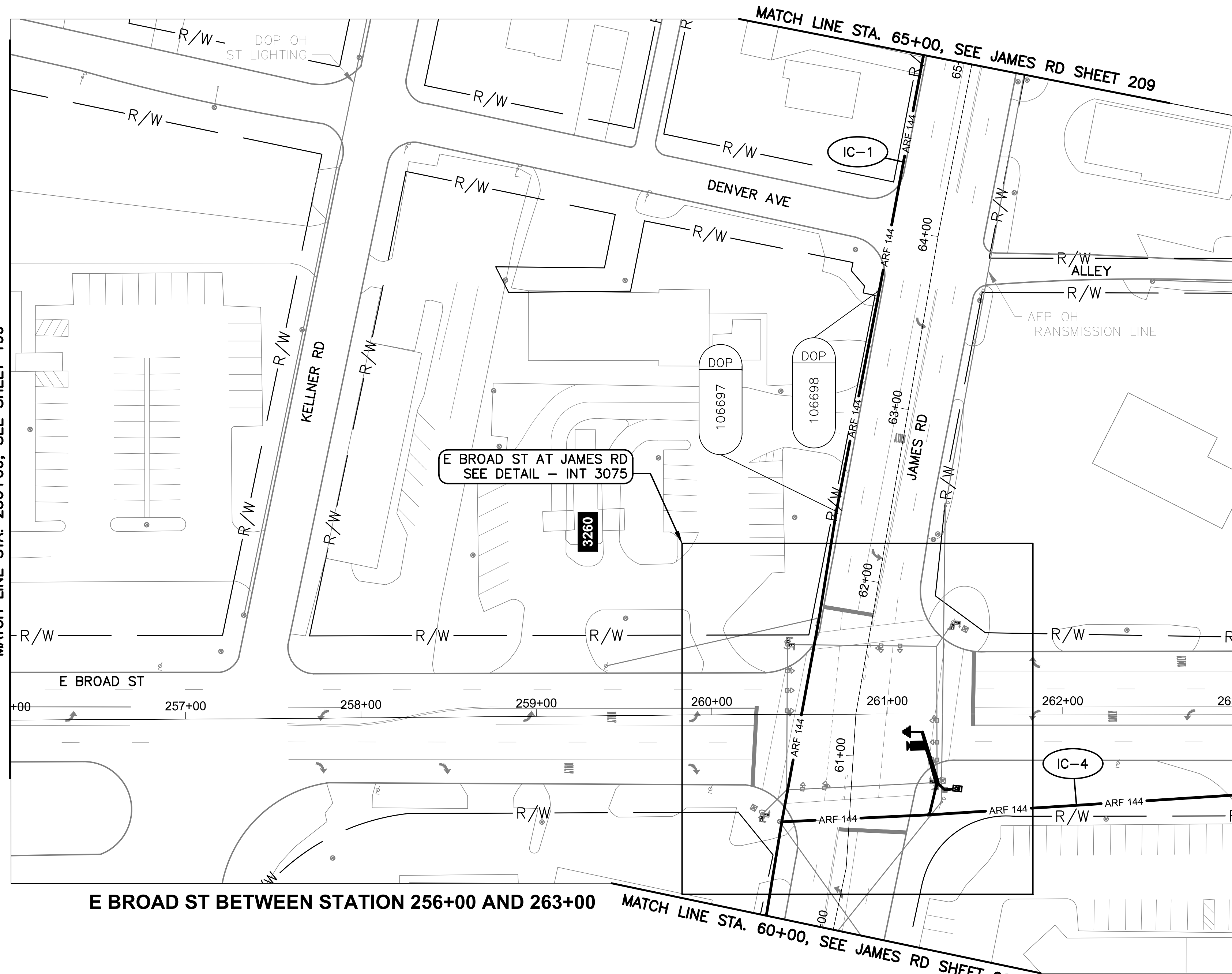
KEY PLAN  
NOT TO SCALE





J:\Jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_Trunk2\_BROAD02\_INTERCONNECT.dwg -- BROAD-12 layout -- last saved by jjeans 03/18/2020 03:32pm -- printed 03/18/2020 06:15pm

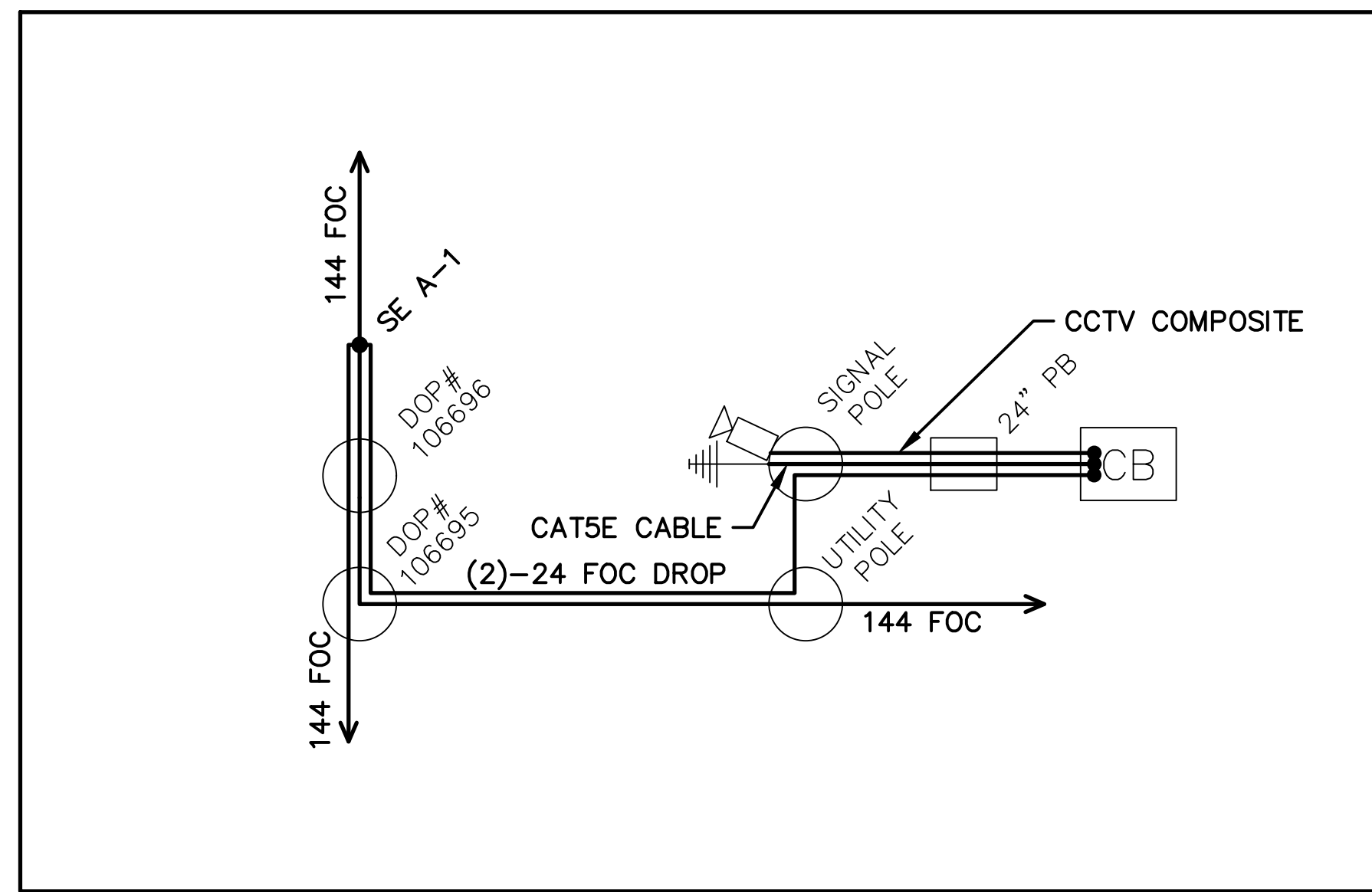
MATCH LINE STA. 256+00, SEE SHEET 199



MATCH LINE STA. 263+00, SEE SHEET 201

E BROAD ST BETWEEN STATION 256+00 AND 263+00

MATCH LINE STA. 60+00, SEE JAMES RD SHEET 208



CABLE SCHEMATIC - INT 3075  
NOT TO SCALE

PROPOSED WIRELESS  
SEE SHEET 198  
INT 3074 - BROAD  
STREET AT CHESTERFIELD  
ROAD

INT 3075 WITH  
PROPOSED SIGNAL  
CONTROLLER

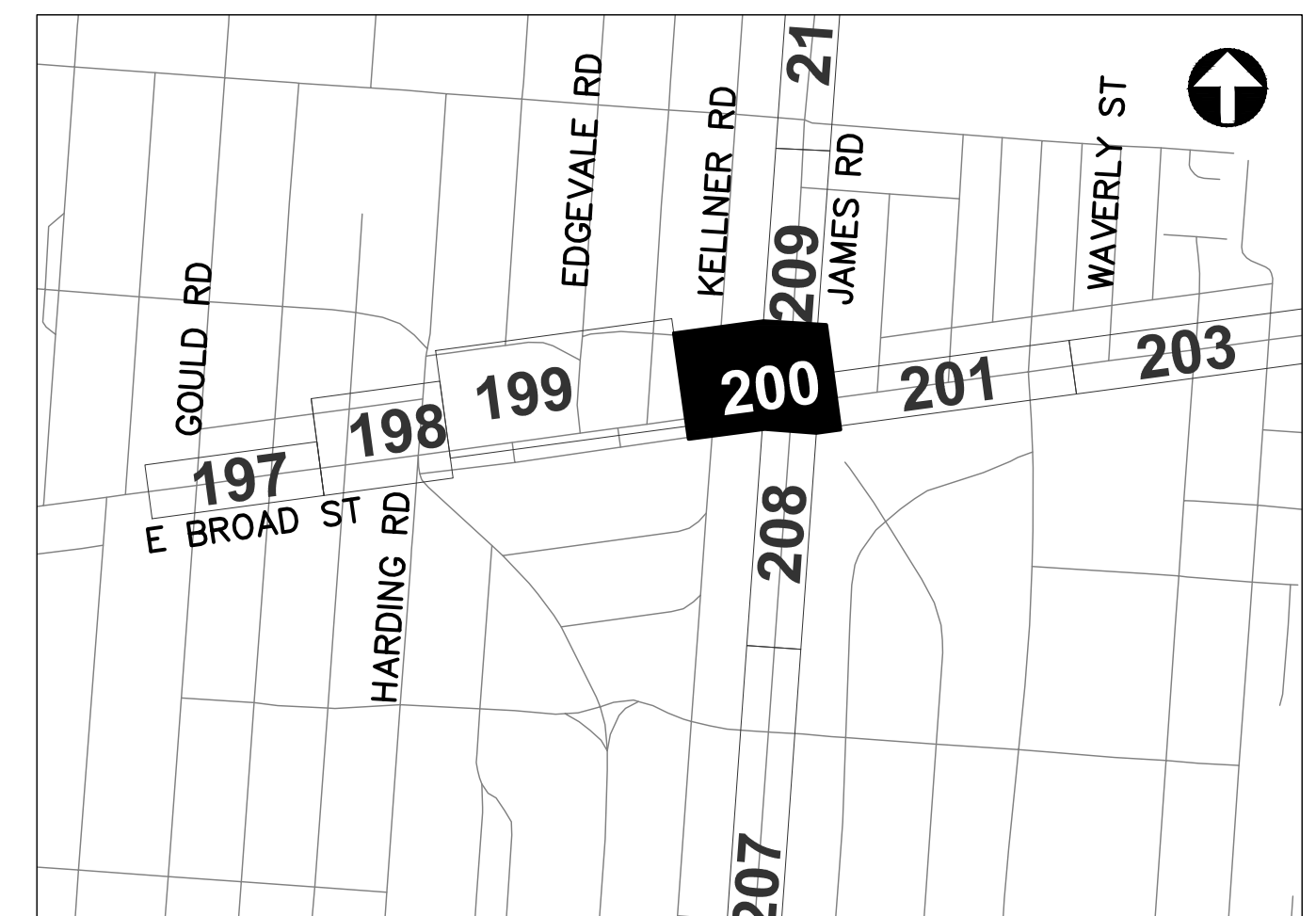
NOTES:

1. SEE SHEET 202 FOR QUANTITIES.
2. SEE SHEETS 681 & 882 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 3075, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.



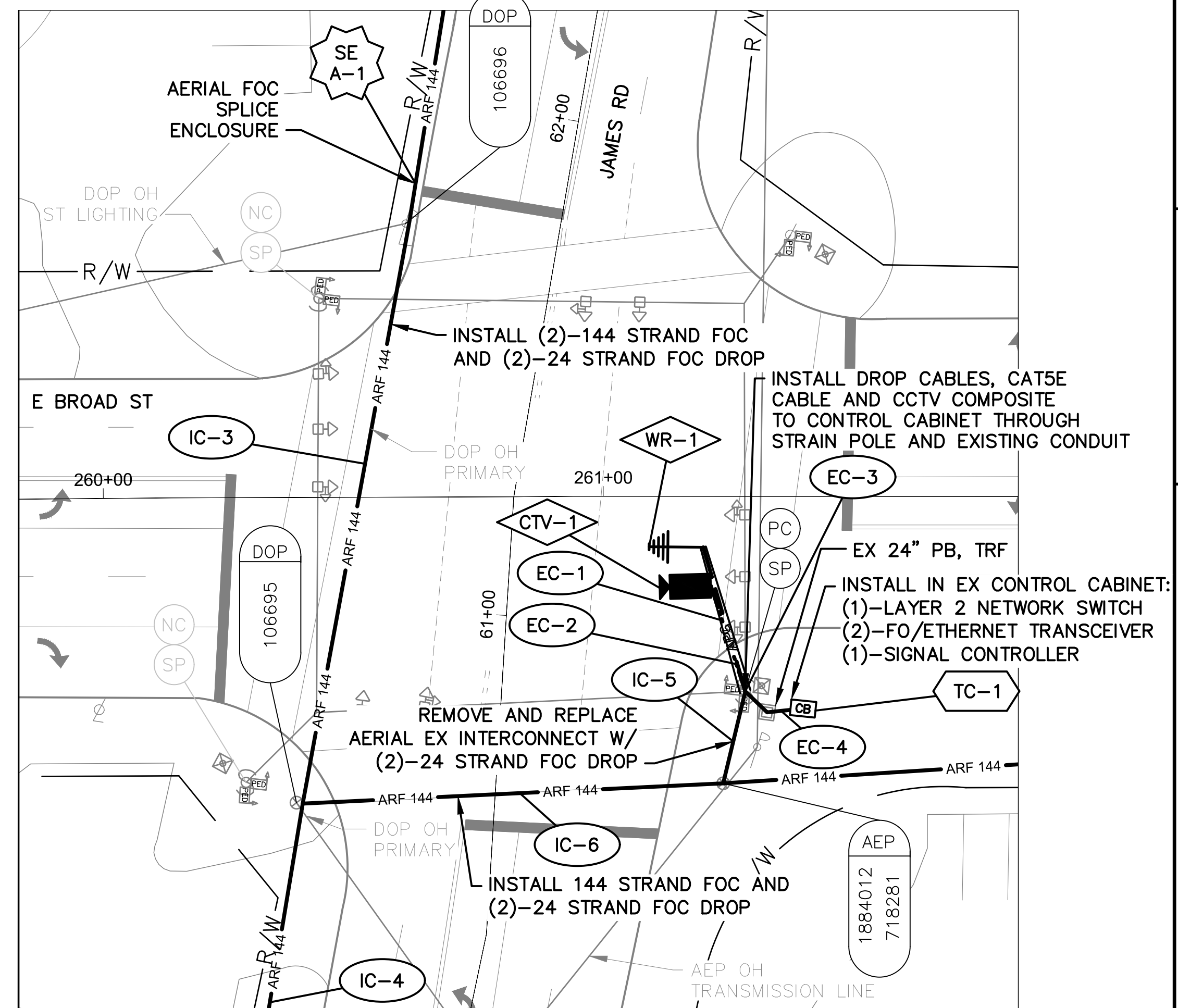
CITY OF COLUMBUS  
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING

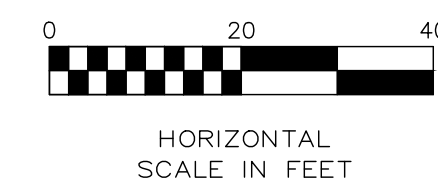


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



DETAIL - INT 3075



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E BROAD ST BETWEEN STA. 256+00 AND 263+00, INT 3075

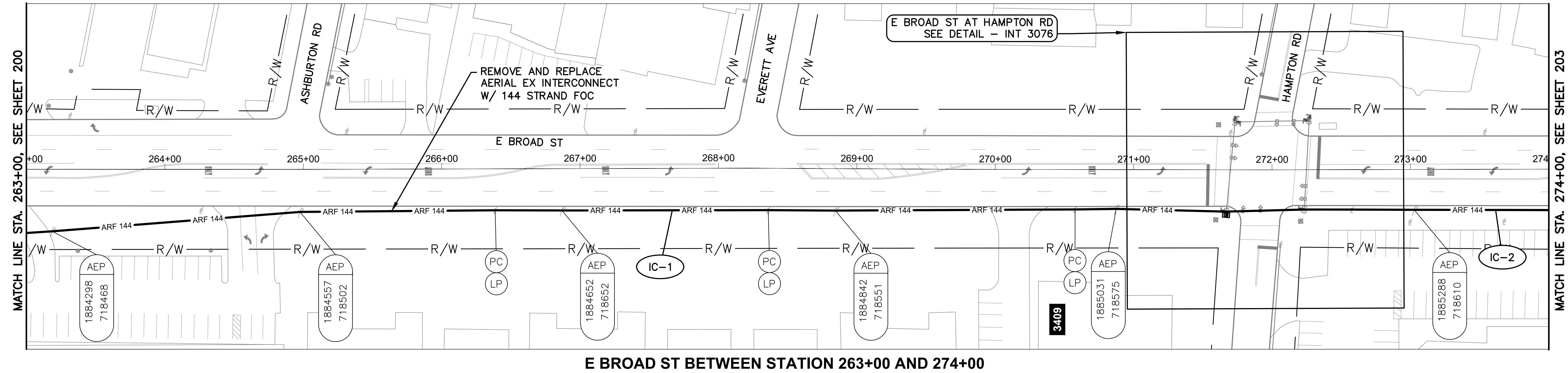
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

200  
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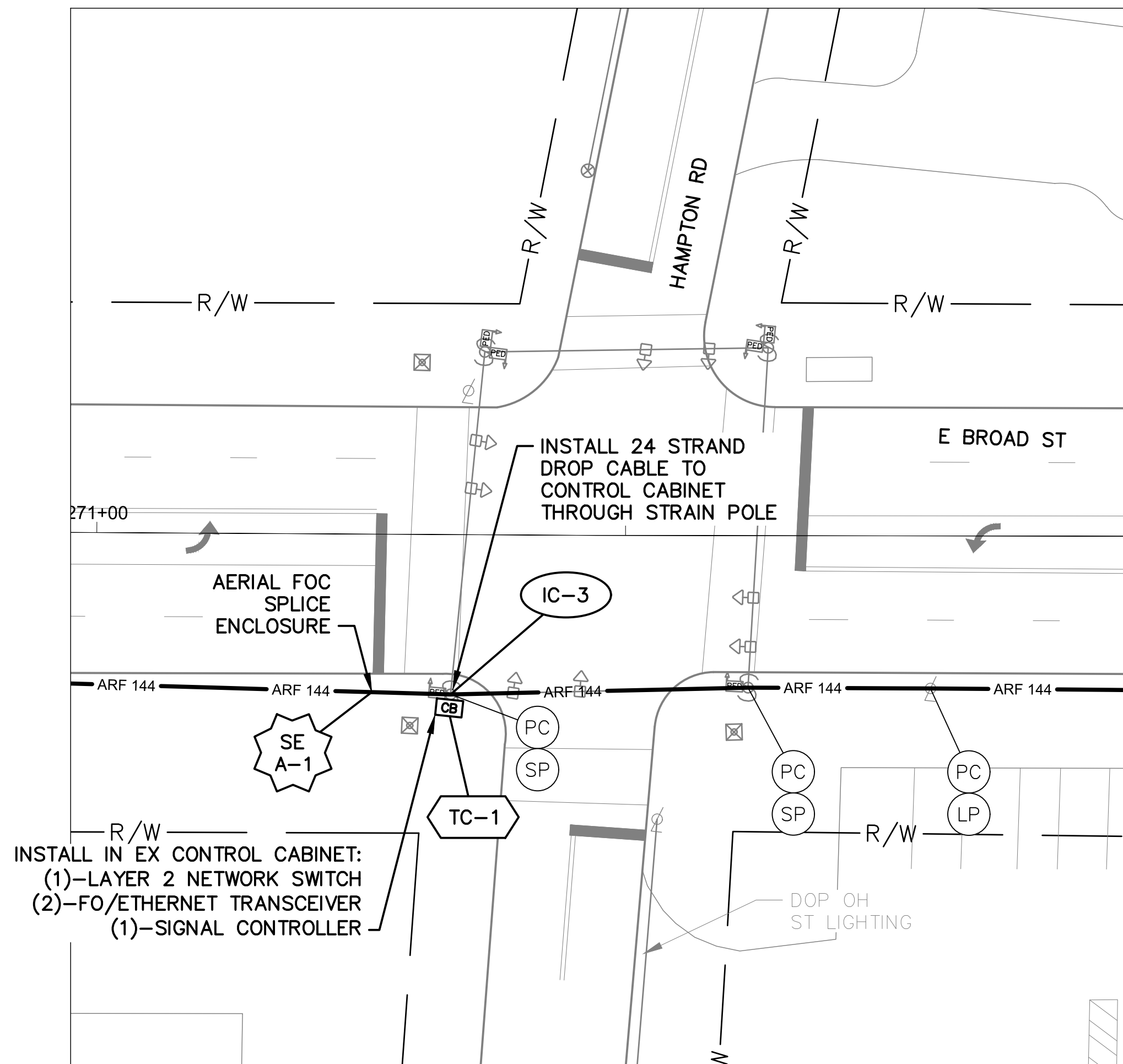
3150-E



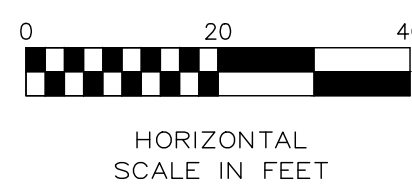
J:\Jobs\60135\TCHPROD\Sheets\CTSS\PHD\_Trunk2\_BROAD2\_INTERCONNECT.dwg -- BROAD-13 layout -- last saved by jjeans 03/18/2020 03:32pm -- printed 03/18/2020 06:16pm



E BROAD ST BETWEEN STATION 263+00 AND 274+00



DETAIL - INT 3076

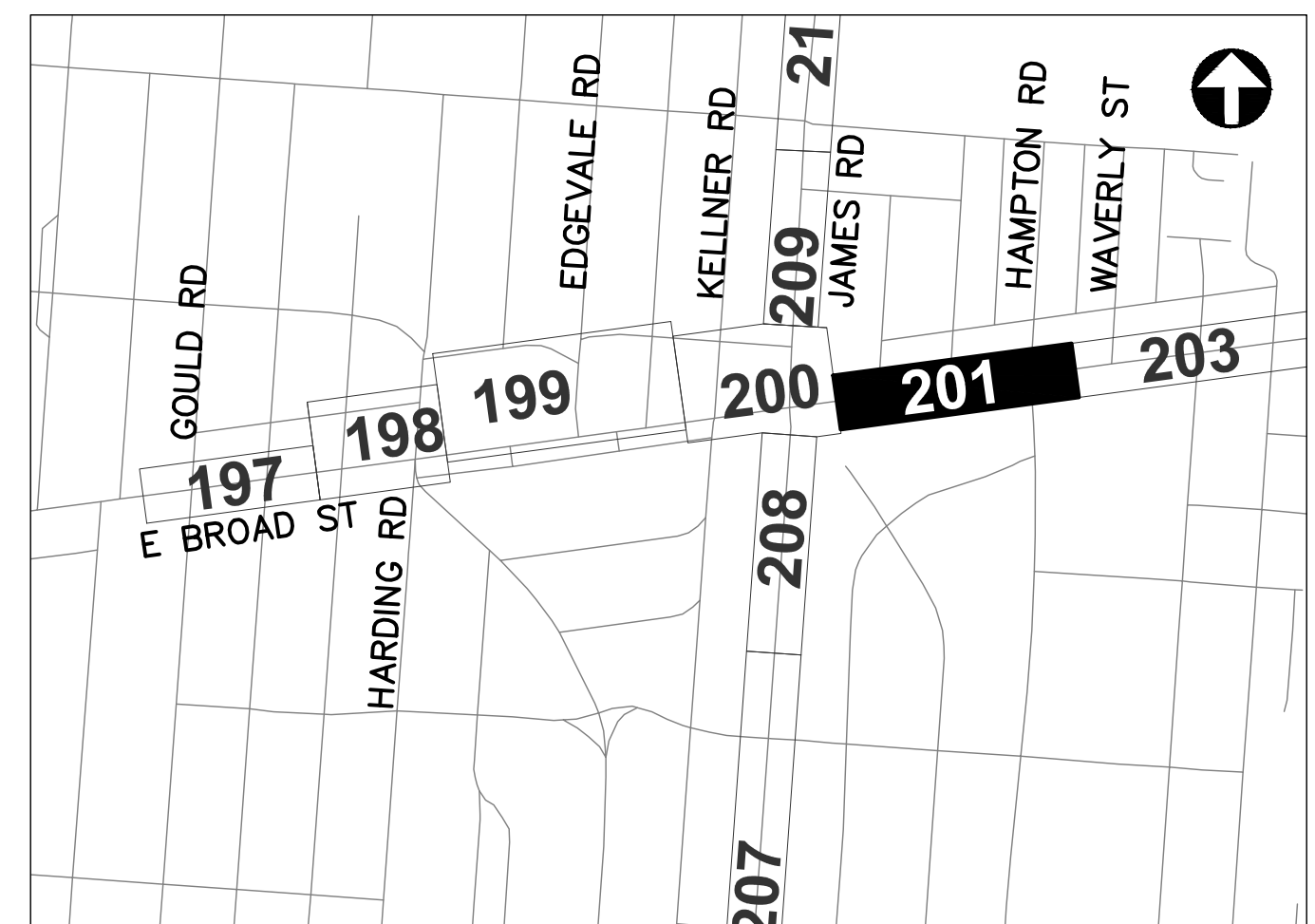


NOTES:

1. SEE SHEET 202 FOR QUANTITIES.
2. SEE SHEETS 681 & 883 FOR COMMUNICATION DETAILS.

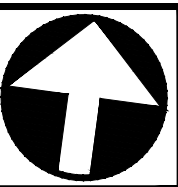


- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E BROAD ST BETWEEN STA. 263+00 AND 274+00, INT 3076

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

201  
1000

3150-E



## ESTIMATED QUANTITIES

| SHEET NO.                                            | REFERENCE NO. | LOCATION | STATION        | 202                                      | 625                              | 632                                                            | 632                                                        | 632                                                                       | 632                                                                | 632                                                           | 632                                                                            | 632                                                                            | 632                                                                         | 632                                                     | 632                                           | 632                                            | 632                                   | 632                                                                            | 633                                                   | 633                                                                   |      |  |  |  |
|------------------------------------------------------|---------------|----------|----------------|------------------------------------------|----------------------------------|----------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------|------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------|------|--|--|--|
|                                                      |               |          |                | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | BRACKET ARM, 30', AS<br>PER PLAN | INTERCONNECT CABLE;<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE;<br>MISC.: FIBER OPTIC<br>FUSION SPLICE | INTERCONNECT CABLE;<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>DOME, 800 SPLICE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 450FT DROP<br>CABLE | MESSAGE WIRE 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | SIGNALIZATION, MISC.:<br>CAT 5E CABLE, OUTDOOR<br>RATED | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM | SPREAD SPECTRUM<br>RADIO, AS PER PLAN | CONTROLLER ITEM;<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN |      |  |  |  |
|                                                      |               |          |                | FROM                                     | TO                               | FT                                                             | EACH                                                       | FT                                                                        | EACH                                                               | FT                                                            | EACH                                                                           | EACH                                                                           | EACH                                                                        | FT                                                      | FT                                            | FT                                             | EACH                                  | EACH                                                                           | EACH                                                  | EACH                                                                  | EACH |  |  |  |
| E BROAD ST. BETWEEN STA. 231+00 AND 239+00, INT 3110 |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 197                                                  | TC-1          | BROAD ST | 233+50, 43' RT |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                | 1                                                     | 1                                                                     | 1    |  |  |  |
| 197                                                  | IC-2          | BROAD ST | 233+50, 43' RT | 233+61, 30' RT                           | 22                               |                                                                |                                                            |                                                                           |                                                                    |                                                               | 1                                                                              |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 197                                                  | SE U-1        | BROAD ST | 233+61, 30' RT |                                          |                                  |                                                                |                                                            | 75                                                                        | 12                                                                 |                                                               | 1                                                                              |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 197                                                  | IC-1          | BROAD ST | 233+61, 30' RT | 239+00, 32' RT                           | 538                              |                                                                |                                                            | 538                                                                       |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| E BROAD ST. BETWEEN STA. 239+00 AND 245+00, INT 3074 |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 198                                                  | IC-1          | BROAD ST | 239+00, 32' RT | 239+99, 44' LT                           | 149                              |                                                                |                                                            | 149                                                                       |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 198                                                  | SE U-1        | BROAD ST | 239+99, 44' LT |                                          |                                  |                                                                |                                                            | 75                                                                        | 12                                                                 |                                                               | 1                                                                              |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 198                                                  | IC-6          | BROAD ST | 239+99, 44' LT | 243+19, 44' LT                           |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 198                                                  | TC-1          | BROAD ST | 243+19, 44' LT |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               | 40                                             |                                       |                                                                                | 1                                                     | 1                                                                     | 1    |  |  |  |
| 198                                                  | EC-2          | BROAD ST | 243+19, 44' LT |                                          |                                  |                                                                |                                                            | 1                                                                         |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               | 35                                             |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 198                                                  | EC-1          | BROAD ST | 243+19, 44' LT | 243+24, 14' LT                           |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               | 30                                             |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 198                                                  | WR-1          | BROAD ST | 243+24, 14' LT |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       | 1                                                                              |                                                       |                                                                       |      |  |  |  |
| E BROAD ST. BETWEEN STA. 251+00 AND 261+00, INT 3075 |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 200                                                  | IC-2          | BROAD ST | 251+00, 46' RT | 261+39, 30' RT                           |                                  |                                                                |                                                            | 57                                                                        | 56                                                                 |                                                               |                                                                                |                                                                                |                                                                             |                                                         | 57                                            |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 200                                                  | IC-3          | BROAD ST | 261+39, 30' RT | 263+00, 55' RT                           |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         | 260                                           |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 200                                                  | IC-4          | BROAD ST | 260+28, 57' RT | 263+00, 46' RT                           |                                  |                                                                |                                                            | 265                                                                       |                                                                    | 261                                                           |                                                                                |                                                                                |                                                                             |                                                         | 265                                           |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 200                                                  | SE A-1        | BROAD ST | 260+61, 55' LT |                                          |                                  |                                                                |                                                            | 225                                                                       | 228                                                                |                                                               | 1                                                                              |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 200                                                  | IC-1          | BROAD ST | 261+39, 30' RT | 261+39, 30' RT                           |                                  |                                                                |                                                            | 33                                                                        |                                                                    | 33                                                            |                                                                                |                                                                                |                                                                             |                                                         | 33                                            |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 200                                                  | IC-6          | BROAD ST | 261+39, 30' RT | 261+39, 42' RT                           |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         | 2                                             |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 200                                                  | WR-1          | BROAD ST | 261+39, 30' RT |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       | 1                                                                              |                                                       |                                                                       |      |  |  |  |
| 200                                                  | EC-1          | BROAD ST | 261+20, 10' RT | 261+28, 39' RT                           |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         | 30                                            |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 200                                                  | CTV-1         | BROAD ST | 261+22, 18' RT |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       | 1                                                                              |                                                       |                                                                       |      |  |  |  |
| 200                                                  | EC-2          | BROAD ST | 261+22, 18' RT | 261+28, 39' RT                           |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       | 22                                                                             |                                                       |                                                                       |      |  |  |  |
| 200                                                  | IC-1          | BROAD ST | 261+39, 30' RT | 261+28, 39' RT                           |                                  |                                                                |                                                            |                                                                           |                                                                    | 19                                                            |                                                                                |                                                                                |                                                                             |                                                         | 9                                             |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 200                                                  | EC-1          | BROAD ST | 261+39, 39' RT |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         | 3                                             |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 200                                                  | EC-1          | BROAD ST | 261+39, 39' RT | 261+39, 39' RT                           | 18                               |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 200                                                  | TC-1          | BROAD ST | 261+39, 42' RT |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         | 10                                            | 10                                             |                                       |                                                                                | 2                                                     | 1                                                                     | 1    |  |  |  |
| E BROAD ST. BETWEEN STA. 263+00 AND 274+00, INT 3076 |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 201                                                  | IC-1          | BROAD ST | 273+00, 30' RT | 274+67, 30' RT                           |                                  |                                                                |                                                            | 881                                                                       | 88                                                                 |                                                               |                                                                                |                                                                                |                                                                             |                                                         | 881                                           |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 201                                                  | SE A-1        | BROAD ST | 271+67, 30' RT |                                          |                                  |                                                                |                                                            | 150                                                                       | 24                                                                 |                                                               | 1                                                                              |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 201                                                  | IC-3          | BROAD ST | 271+67, 30' RT | 271+67, 30' RT                           |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
| 201                                                  | TC-1          | BROAD ST | 271+67, 30' RT |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                | 2                                                     | 1                                                                     | 1    |  |  |  |
| 201                                                  | IC-2          | BROAD ST | 271+67, 30' RT | 274+00, 30' RT                           |                                  |                                                                |                                                            | 236                                                                       |                                                                    | 233                                                           |                                                                                |                                                                                |                                                                             |                                                         | 236                                           |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |
|                                                      |               |          |                |                                          |                                  |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                             |                                                         |                                               |                                                |                                       |                                                                                |                                                       |                                                                       |      |  |  |  |

**AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.**

3150-E

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

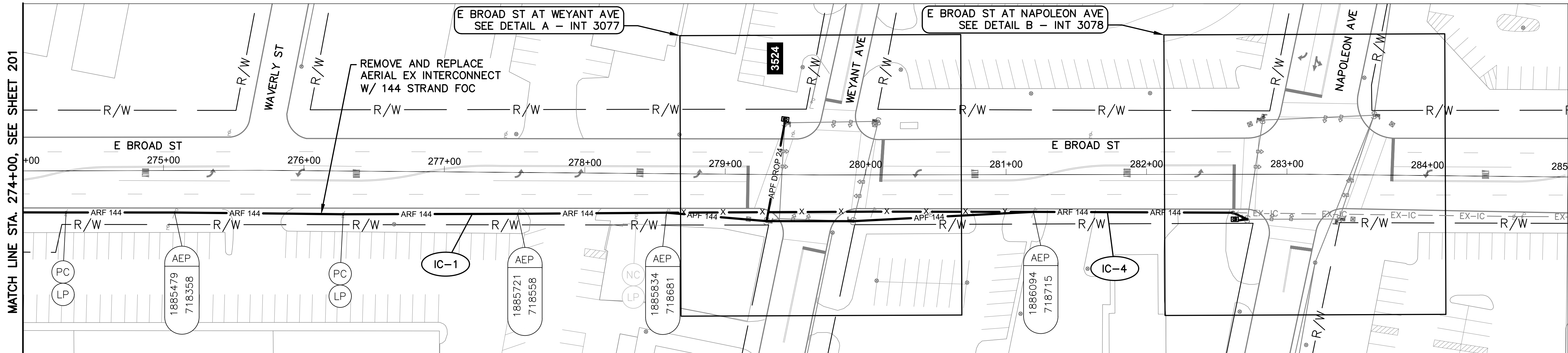
BROAD ST BETWEEN STA. 231+00 & 274+00  
INTS 3110, 3074, 3075, 3076

CIP: 540007-100006  
PID NUMBER: 82573

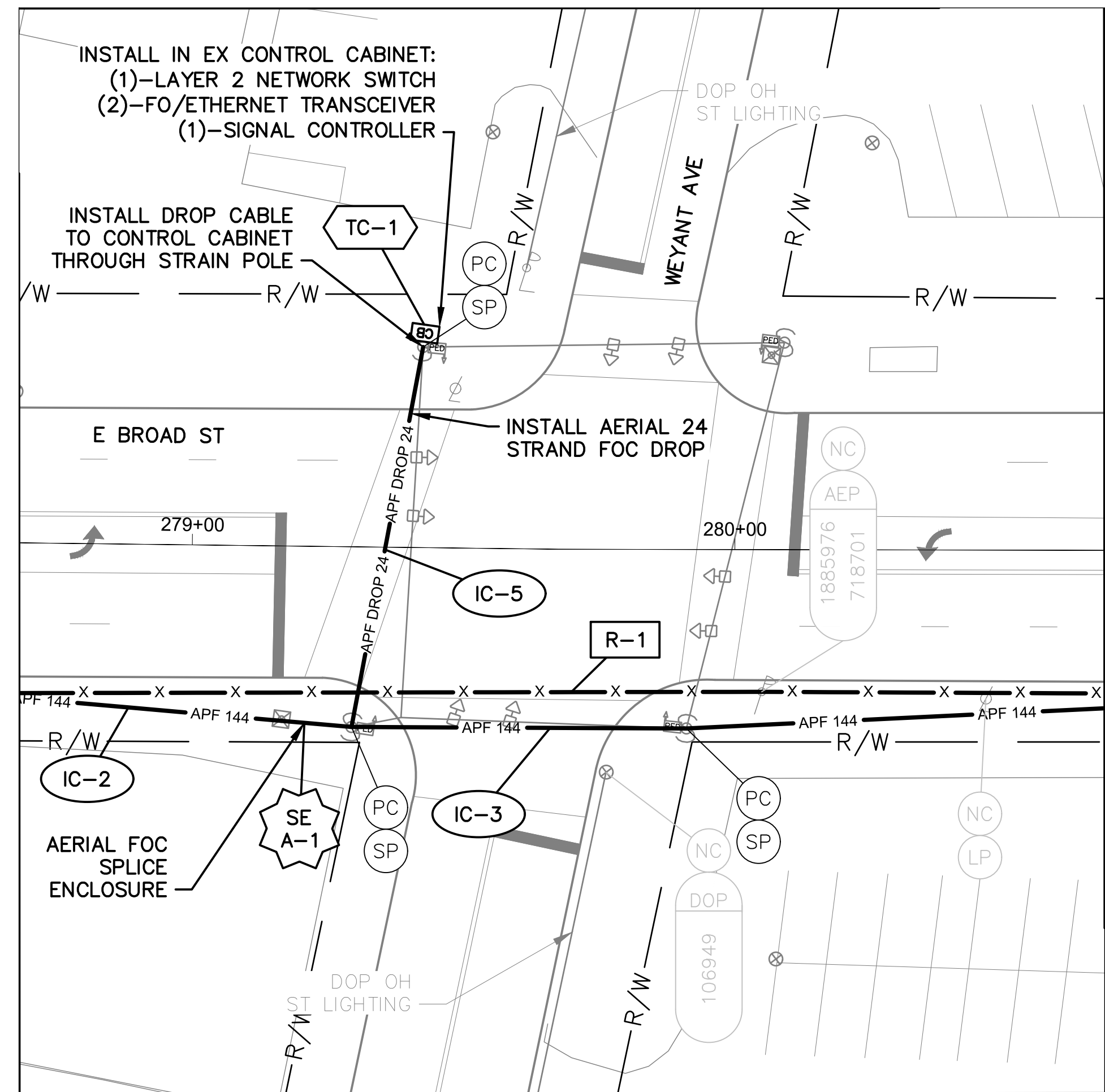
202  
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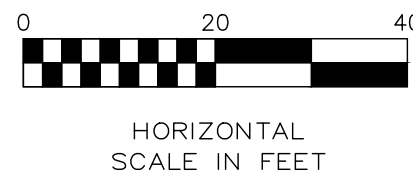
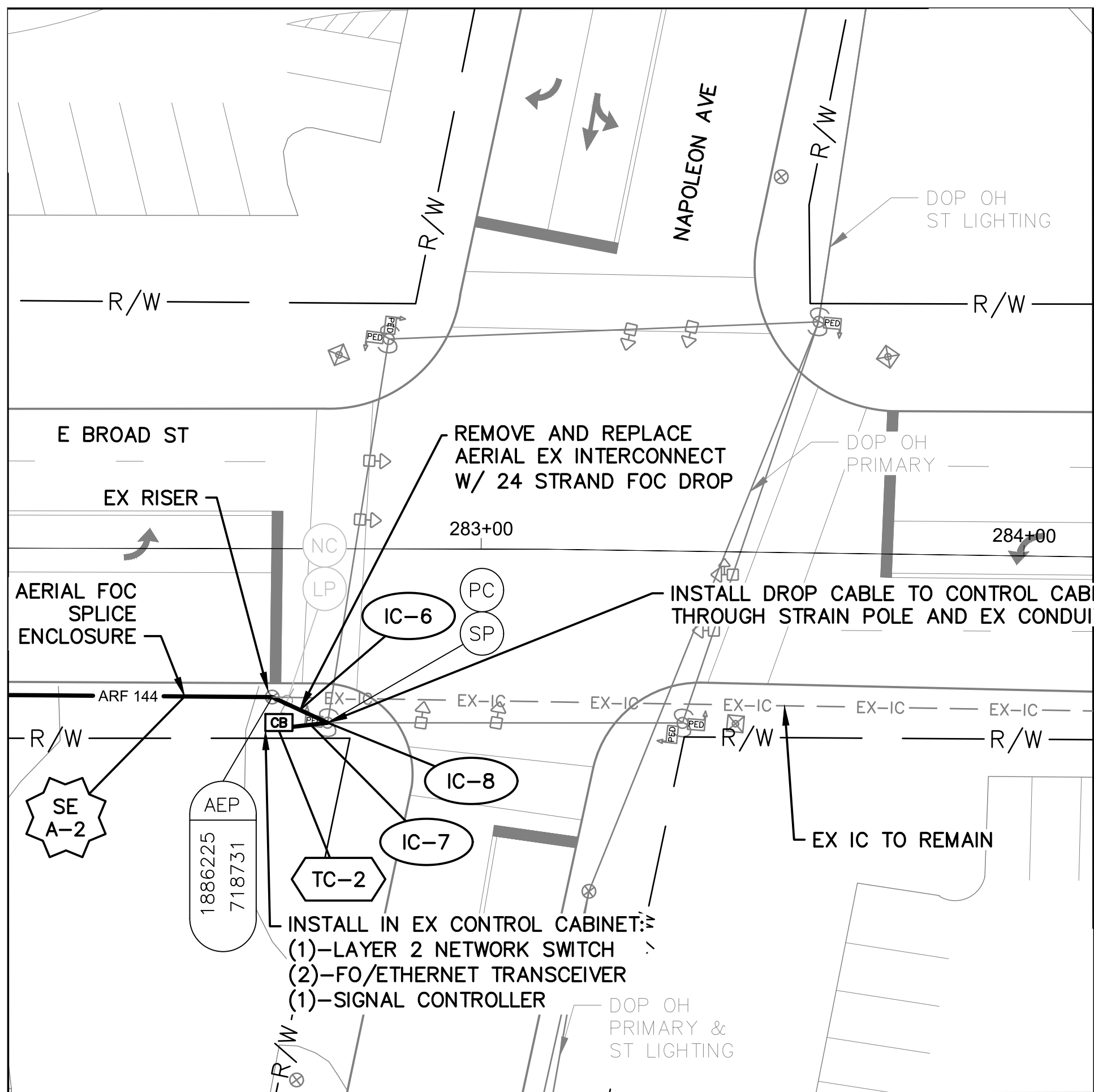
J:\columbus\60135\TCHPROD\Streets\CTSS\_PHD\_Trunk2\_BROAD2\_INTERCONNECT.dwg -- BROAD-14 layout -- last saved by jbeems 03/18/2020 03:32pm -- printed 03/18/2020 06:19pm



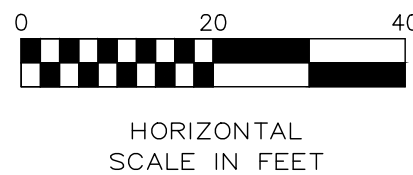
E BROAD ST BETWEEN STATION 274+00 AND 285+00



DETAIL A - INT 3077



DETAIL B - INT 3078



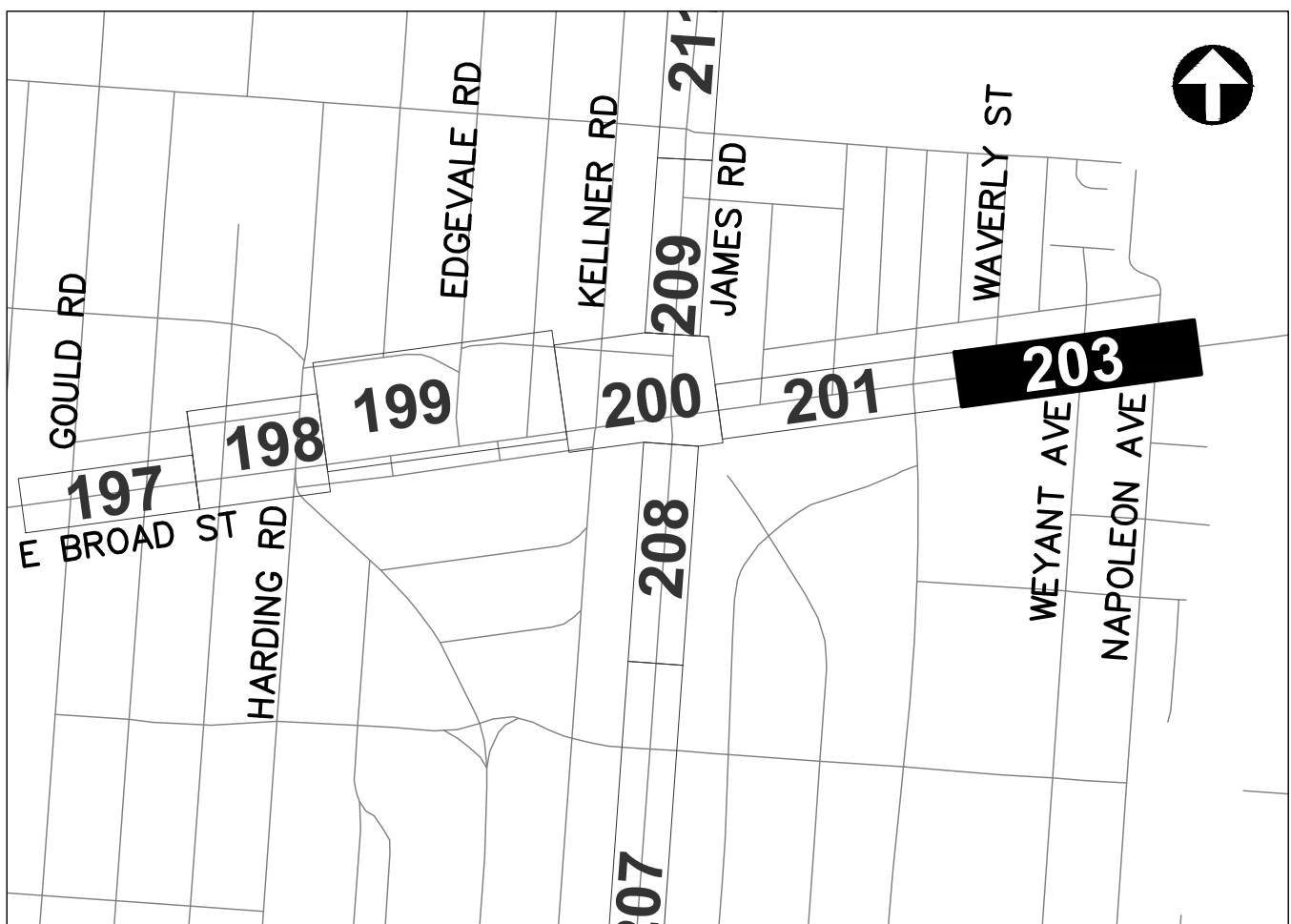
NOTES:

1. SEE SHEET 204 FOR QUANTITIES.
2. SEE SHEETS 681, 884 & 885 FOR COMMUNICATION DETAILS.



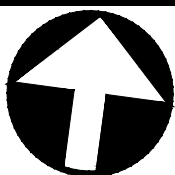
CITY OF COLUMBUS  
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E BROAD ST BETWEEN STA. 274+00 AND 285+00, INTS 3077 & 3078

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

203  
1000

3150-E



J:\Jobs\60135\TCHPROD\Sheets\CTSS\_Phd\_Trunk2\_BROAD\_IC\_QUANTITIES.dwg -- BROAD-04 layout -- last saved by: gburch 07/29/2016 03:14pm -- printed 03/19/2020 06:19pm

| ESTIMATED QUANTITIES                                         |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------|---------------|----------|----------------|----------------|------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------|------|--|--|--|--|--|--|--|--|
| SHEET NO.                                                    | REFERENCE NO. | LOCATION | STATION        |                | 202                                      | 632                                                            | 632                                                        | 632                                                                       | 632                                                                | 632                                                                            | 632                                                                            | 632                                                                            | 633                                                                           | 633                                                   | 633                                                                   |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN |      |  |  |  |  |  |  |  |  |
|                                                              |               |          | FROM           | TO             | FT                                       | FT                                                             | EACH                                                       | FT                                                                        | EACH                                                               | EACH                                                                           | EACH                                                                           | EACH                                                                           | FT                                                                            | EACH                                                  | EACH                                                                  | EACH |  |  |  |  |  |  |  |  |
| E BROAD ST. BETWEEN STA. 274+00 AND 285+00, INTS 3077 & 3078 |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
| 203                                                          | IC-1          | BROAD ST | 274+00, 30' RT | 278+58, 28' RT |                                          | 465                                                            |                                                            | 458                                                                       |                                                                    |                                                                                |                                                                                | 465                                                                            |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
| 203                                                          | IC-2          | BROAD ST | 278+58, 28' RT | 279+27, 38' RT |                                          | 71                                                             |                                                            |                                                                           |                                                                    |                                                                                |                                                                                | 71                                                                             |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
| 203                                                          | R-1           | BROAD ST | 278+58, 28' RT | 281+19, 27' RT |                                          |                                                                |                                                            | 261                                                                       |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
| 203                                                          | IC-5          | BROAD ST | 279+27, 38' RT | 279+42, 37' LT |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                | 1                                                                              | 77                                                                             |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
| 203                                                          | SE A-1        | BROAD ST | 279+27, 38' RT |                |                                          | 150                                                            | 24                                                         |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
| 203                                                          | IC-3          | BROAD ST | 279+27, 38' RT | 281+19, 27' RT |                                          | 195                                                            |                                                            |                                                                           |                                                                    |                                                                                |                                                                                | 195                                                                            |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
| 203                                                          | TC-1          | BROAD ST | 279+42, 37' LT |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                | 2                                                                             | 1                                                     | 1                                                                     |      |  |  |  |  |  |  |  |  |
| 203                                                          | IC-4          | BROAD ST | 281+19, 27' RT | 282+71, 35' RT |                                          | 156                                                            |                                                            | 154                                                                       |                                                                    |                                                                                |                                                                                | 156                                                                            |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
| 203                                                          | SE A-2        | BROAD ST | 282+61, 27' RT |                |                                          | 75                                                             | 12                                                         |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
| 203                                                          | IC-8          | BROAD ST | 282+61, 27' RT | 282+63, 34' RT |                                          |                                                                |                                                            |                                                                           |                                                                    | 1                                                                              |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
| 203                                                          | IC-6          | BROAD ST | 282+61, 27' RT | 282+71, 35' RT |                                          |                                                                |                                                            | 12                                                                        |                                                                    |                                                                                |                                                                                | 2                                                                              |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
| 203                                                          | IC-7          | BROAD ST | 282+61, 34' RT | 282+71, 35' RT | 1                                        |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
| 203                                                          | TC-2          | BROAD ST | 279+42, 37' LT |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                | 2                                                                             | 1                                                     | 1                                                                     |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |
|                                                              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                               |                                                       |                                                                       |      |  |  |  |  |  |  |  |  |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

204

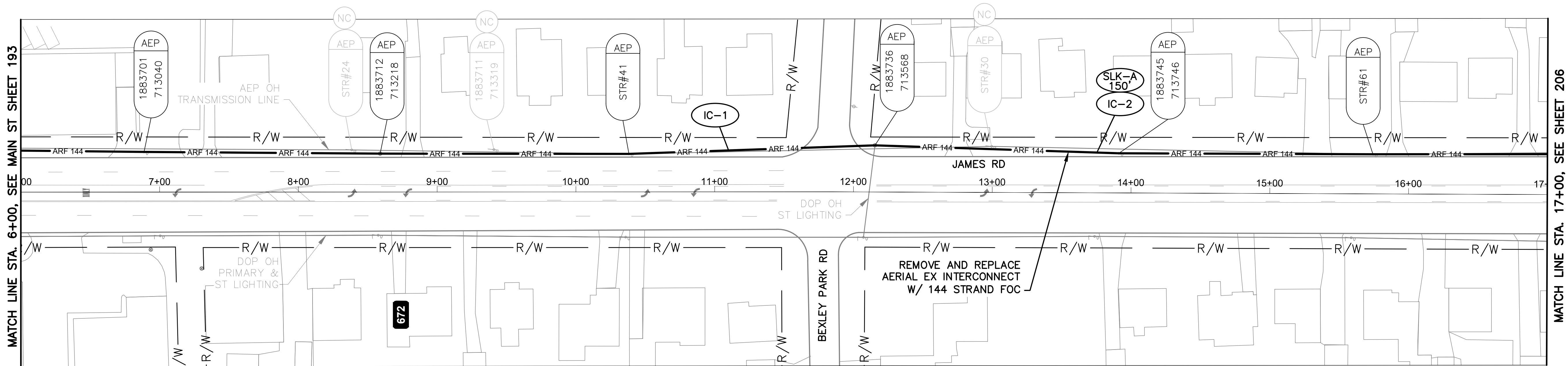
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BROAD ST BETWEEN STA. 274+00 & 285+00  
INTS 3077, 3078

CIP: 540007-100006  
PID NUMBER: 82573



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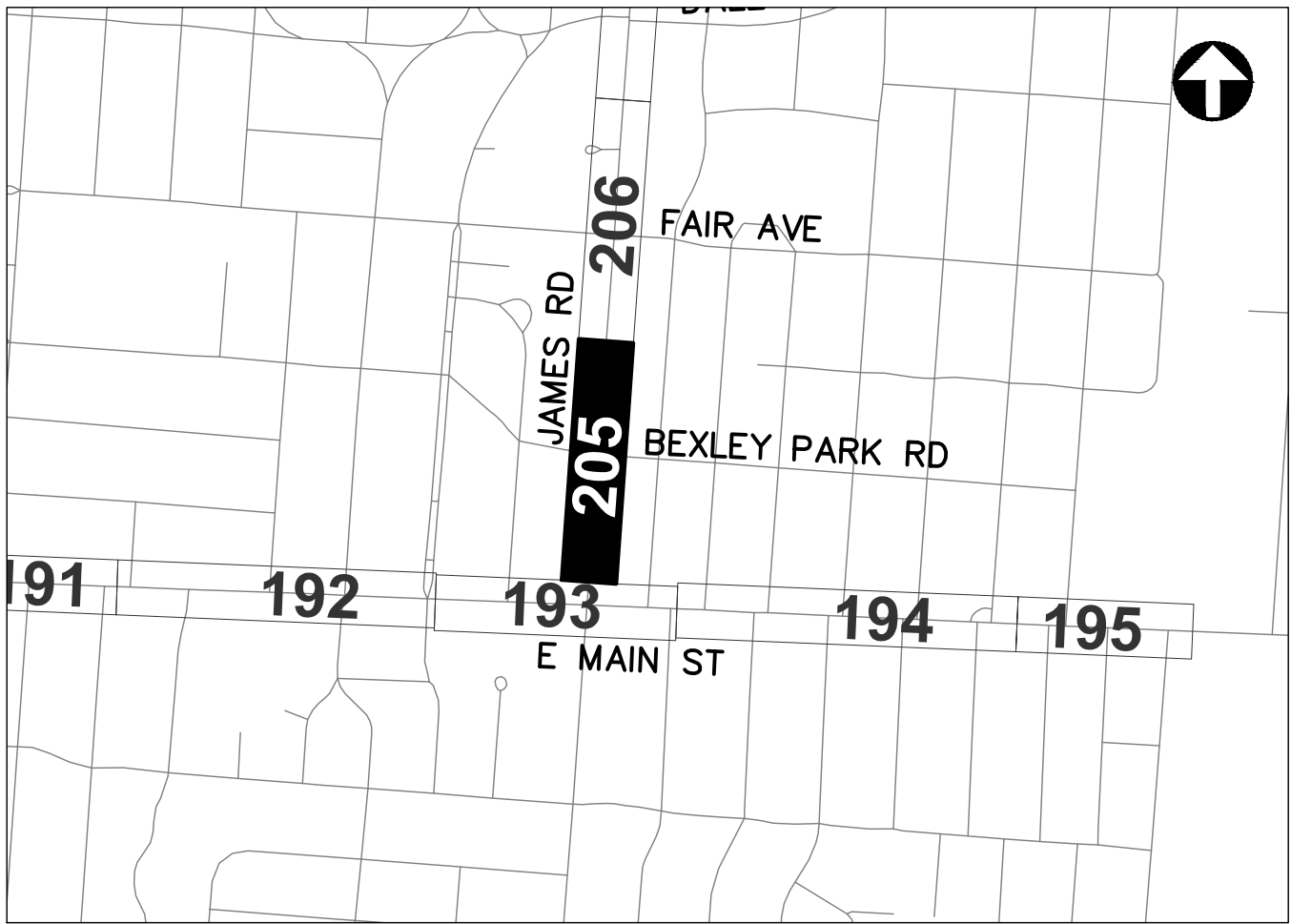
JAMES RD BETWEEN STATION 6+00 AND 17+00

NOTES:

1. SEE SHEET 210 FOR QUANTITIES.
2. SEE SHEET 681 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING

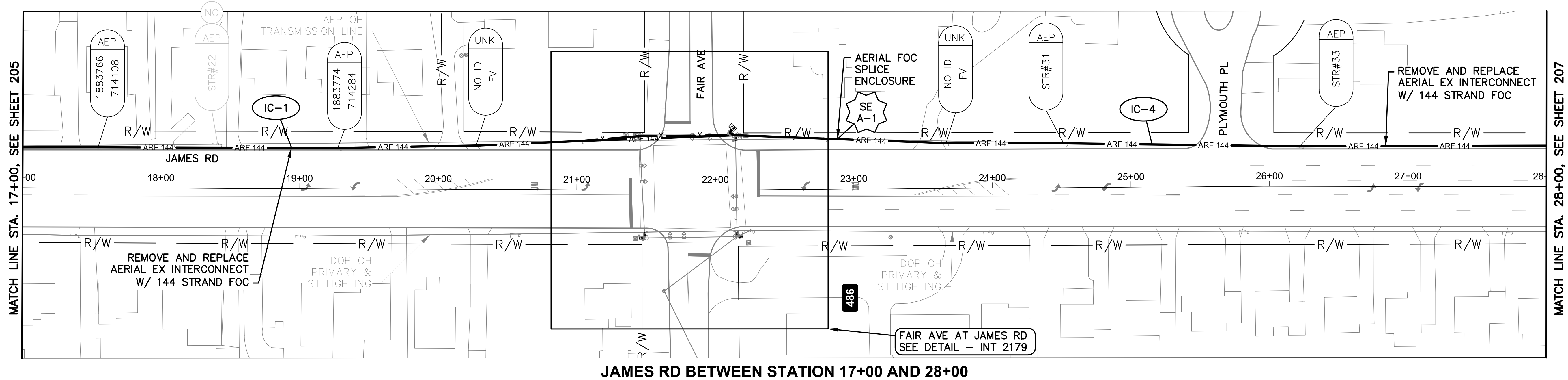


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

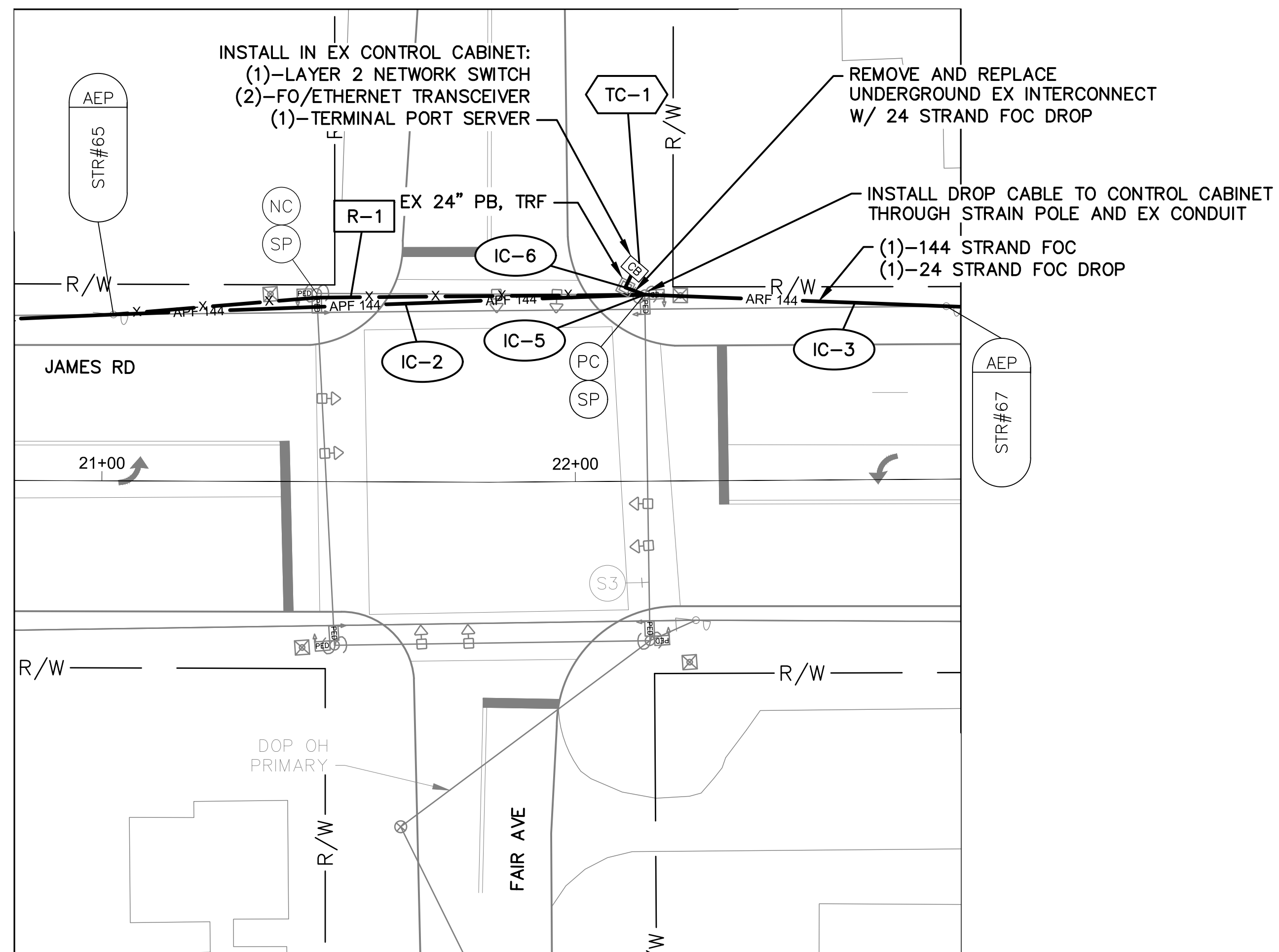
KEY PLAN  
NOT TO SCALE



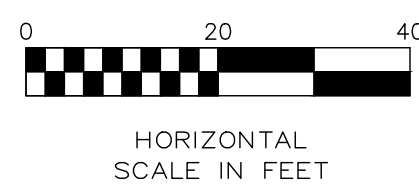
J:\Jobs\60135\TCHPROD\Sheets\CTSS\PHD\_Trunk2\_JAMES\_INTERCONNECT.dwg — JAMES-2 layout ~ last saved by jbeons 12/11/2019 08:58am ~ printed 03/18/2020 06:22pm



JAMES RD BETWEEN STATION 17+00 AND 28+00



DETAIL - INT 2179

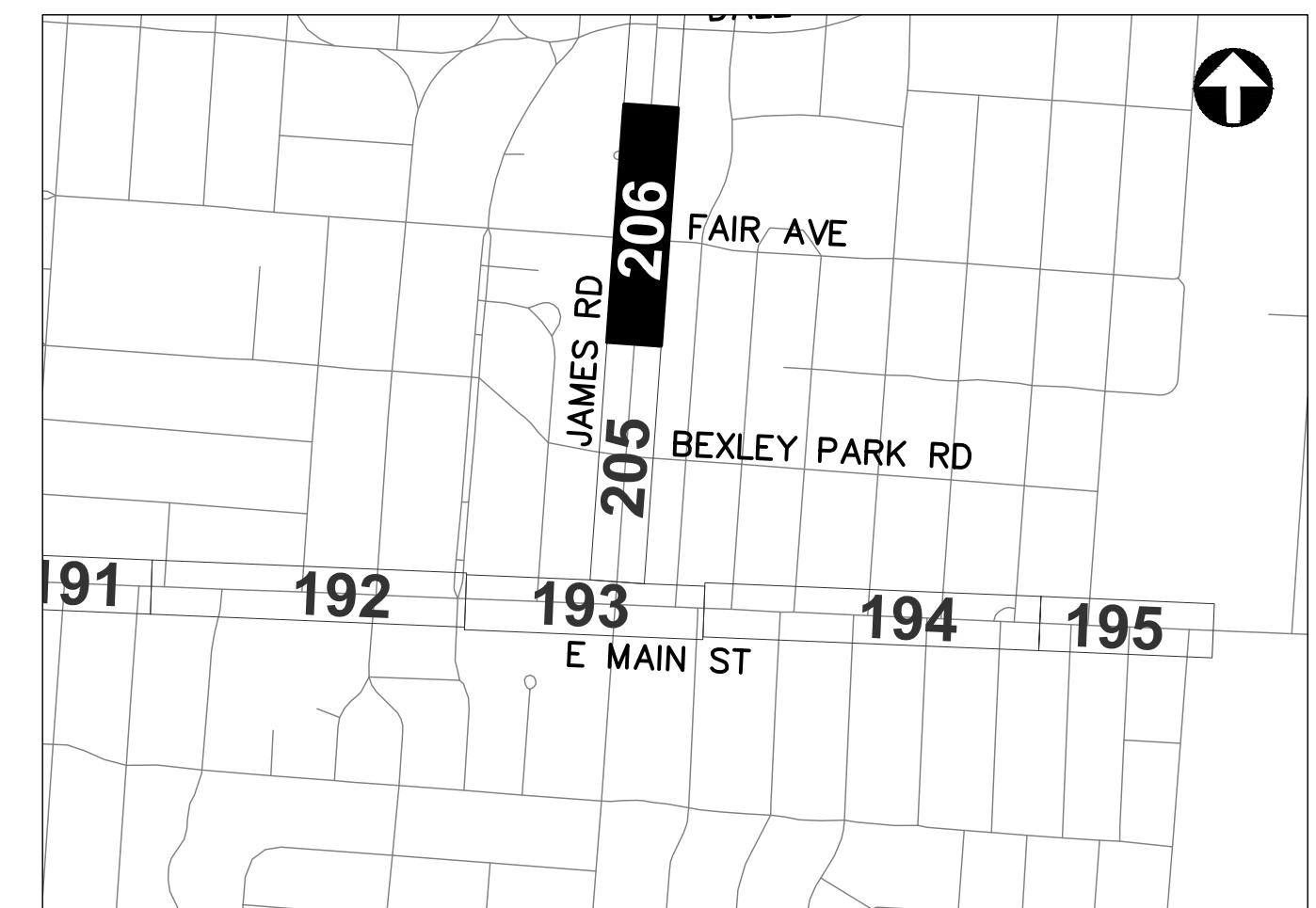


NOTES:

1. SEE SHEET 210 FOR QUANTITIES.
2. SEE SHEETS 681 & 891 FOR COMMUNICATION DETAILS.

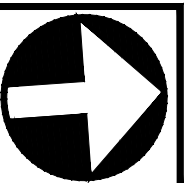


| CITY OF COLUMBUS UTILITY LEGEND     |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
JAMES RD BETWEEN STA. 17+00 AND 28+00, INT 2179

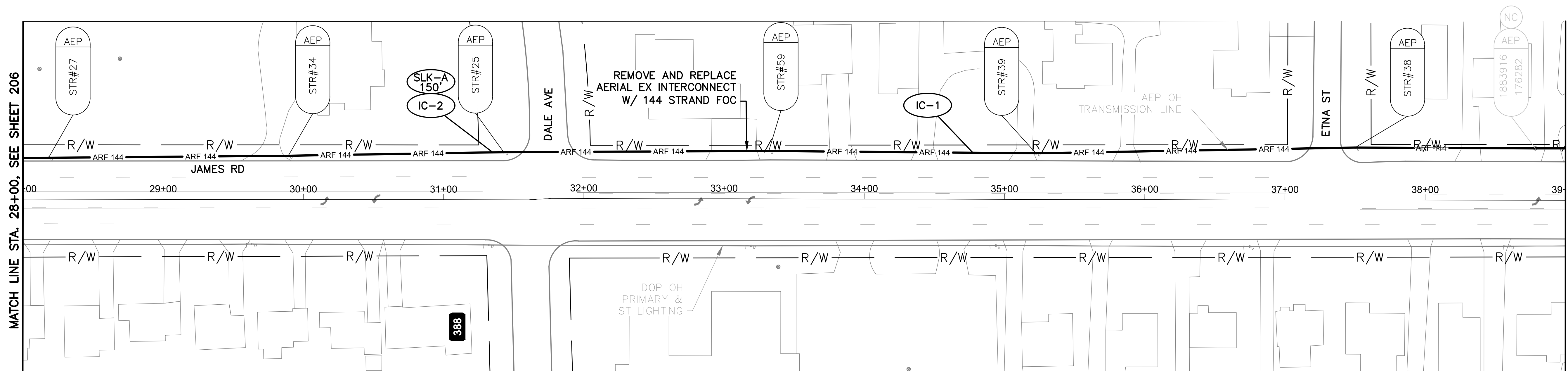
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

206  
1000

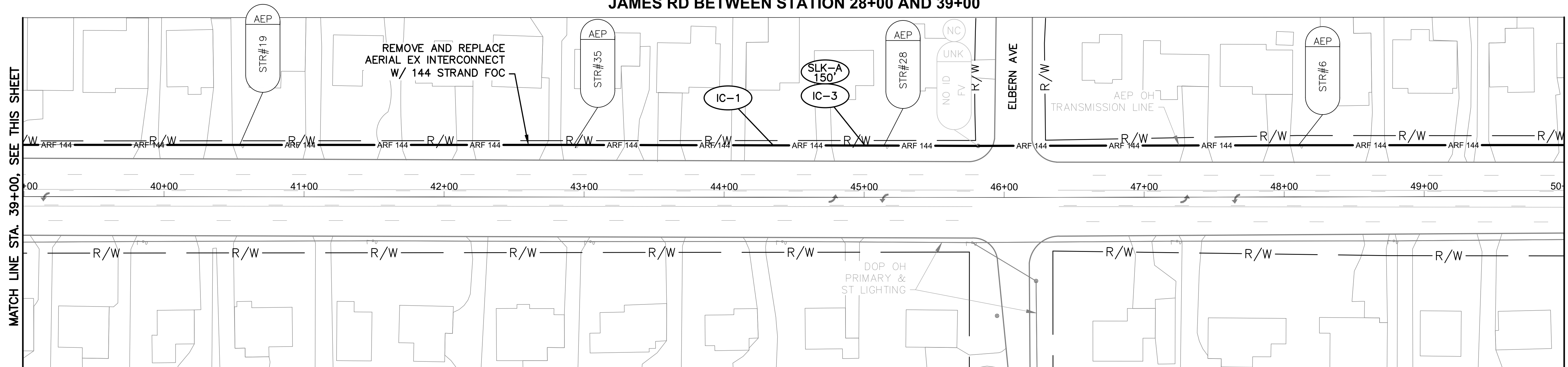
3150-E



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk2\_JAMES\_INTERCONNECT.dwg — JAMES-3 layout ~ last saved by jjeons 12/11/2019 08:58am ~ printed 03/18/2020 06:23pm



JAMES RD BETWEEN STATION 28+00 AND 39+00



JAMES RD BETWEEN STATION 39+00 AND 50+00

**NOTES:**

1. SEE SHEET 210 FOR QUANTITIES.
2. SEE SHEET 681 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING

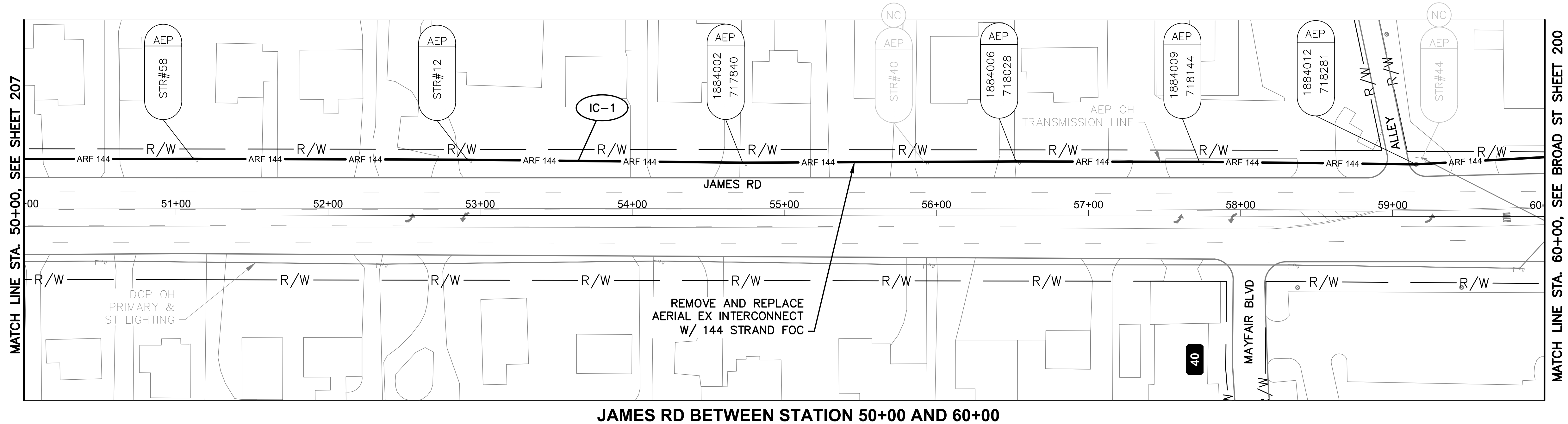


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



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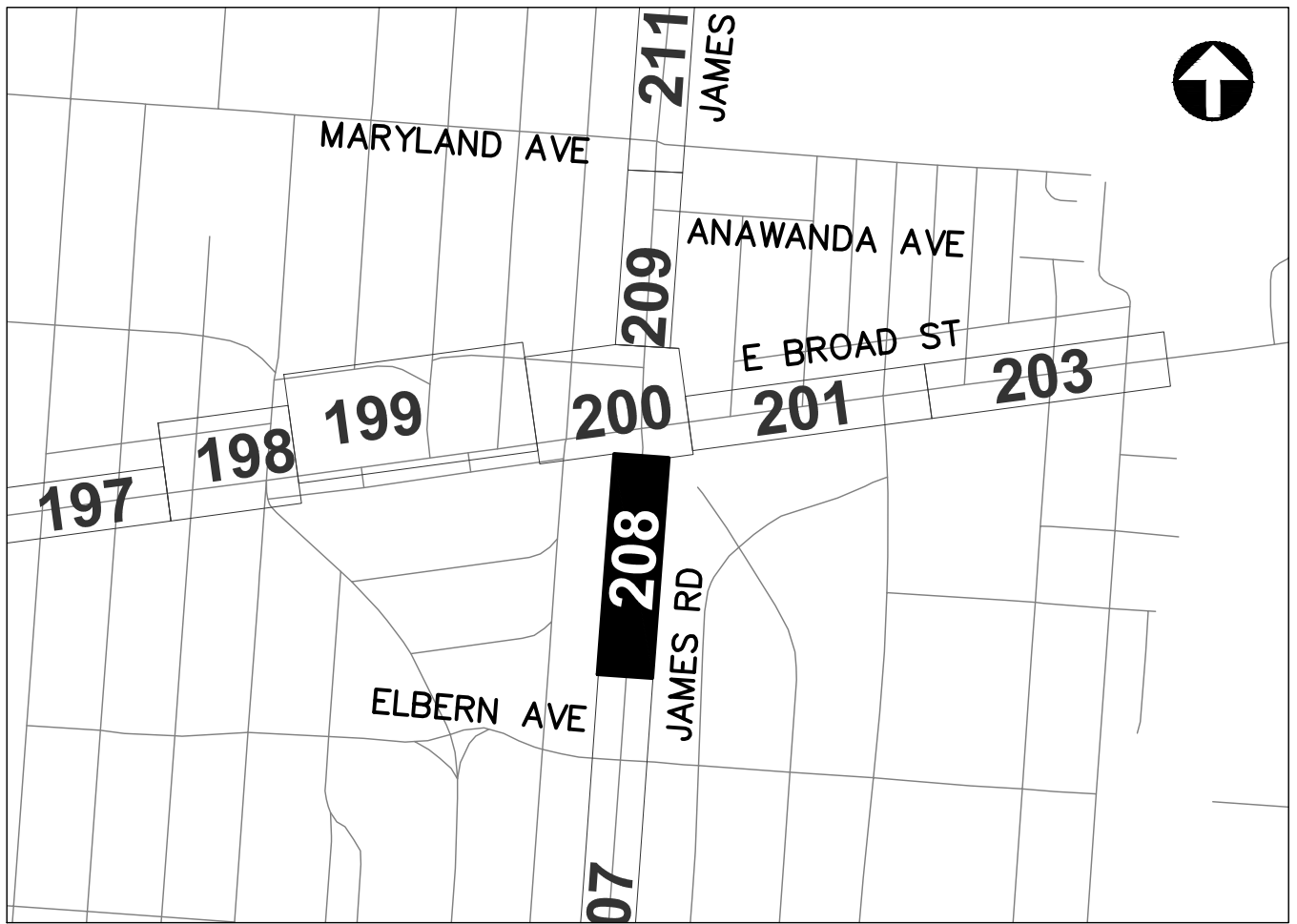
JAMES RD BETWEEN STATION 50+00 AND 60+00

NOTES:

1. SEE SHEET 210 FOR QUANTITIES.
2. SEE SHEET 681 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING

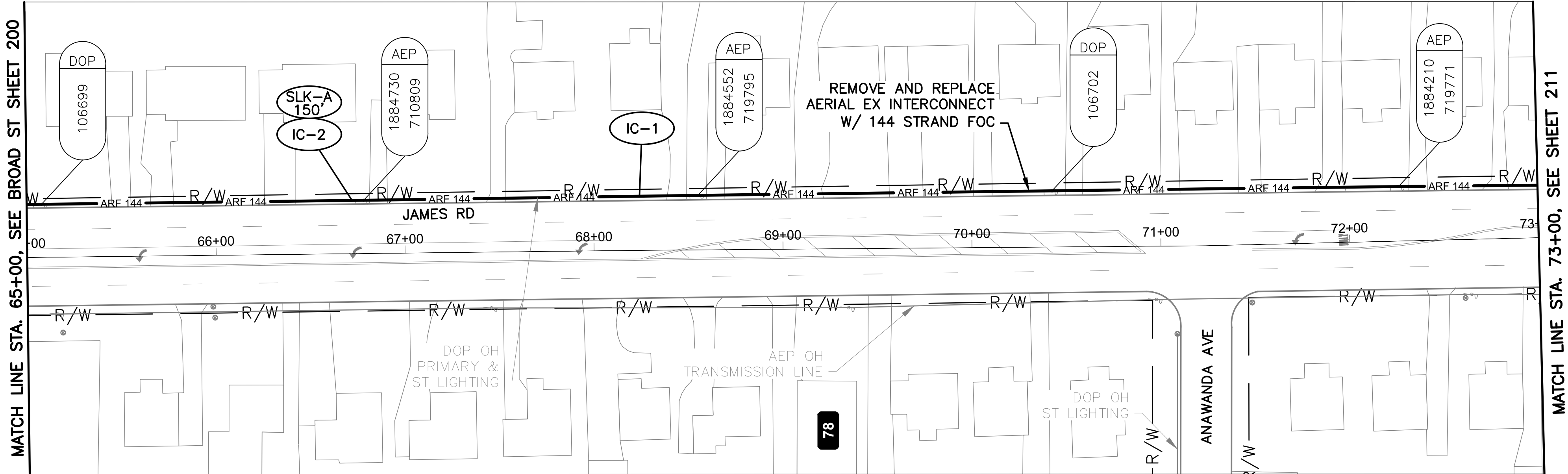


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk2\_JAMES\_INTERCONNECT.dwg — JAMES-5 layout ~ last saved by jjeons 12/11/2019 08:58am ~ printed 03/18/2020 06:24pm



JAMES RD BETWEEN STATION 65+00 AND 73+00

- NOTES:**
- 1. SEE SHEET 210 FOR QUANTITIES.
  - 2. SEE SHEET 681 FOR COMMUNICATION DETAILS.

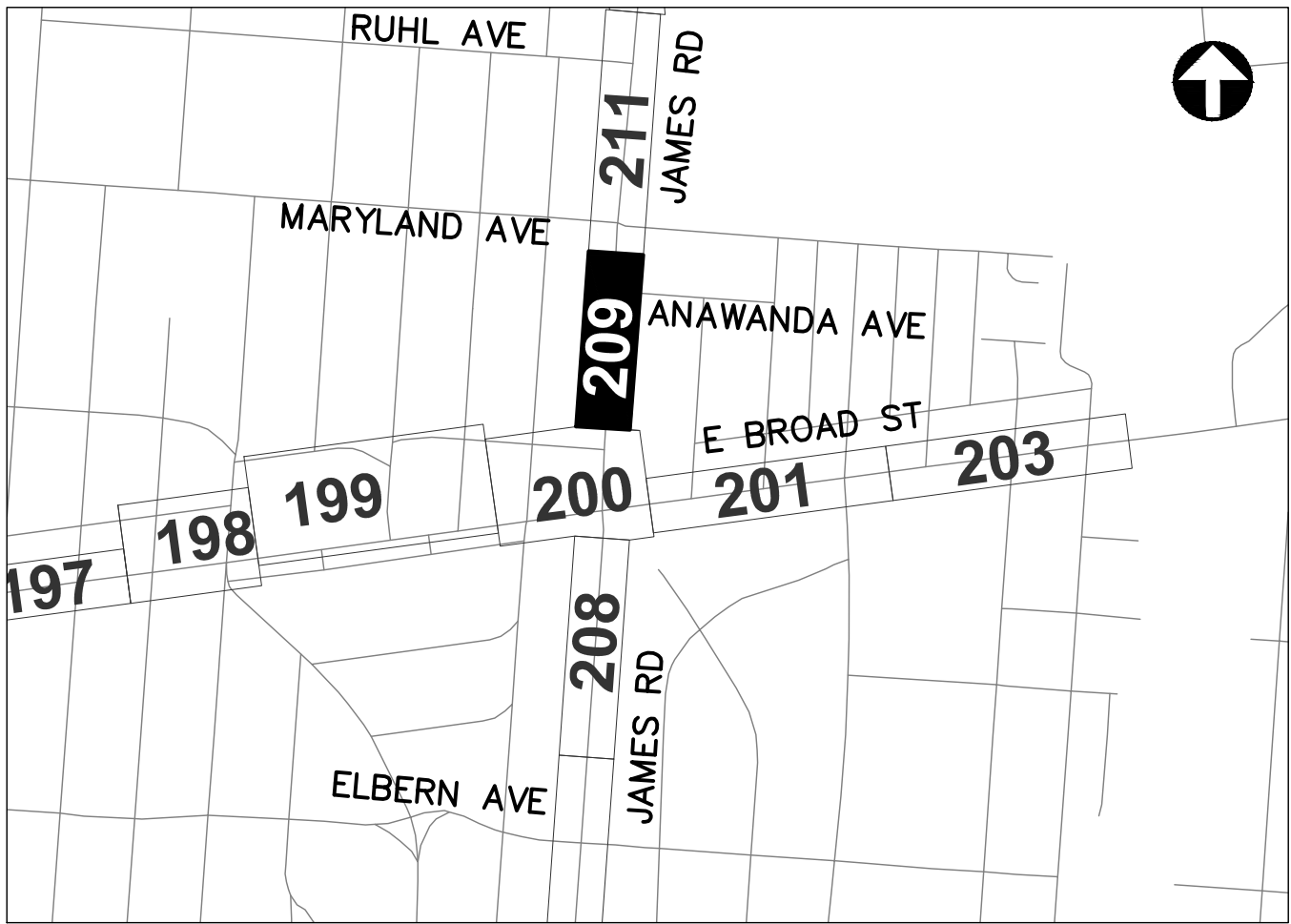
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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE





J:\Jobs\60135\TCHPROD\Sheets\CTSS\PHD\_Trunk2\_JAMES\_IC\_QUANTITIES.dwg — JAMES-01 layout ~ last saved by: gbrch 07/29/2016 03:12pm ~ printed 03/18/2020 06:24pm

| ESTIMATED QUANTITIES                             |               |          |               |               |     |       |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
|--------------------------------------------------|---------------|----------|---------------|---------------|-----|-------|------|-------|------|------|-------|------|------|------|------|---|---|---|---|---|---|---|
| SHEET NO.                                        | REFERENCE NO. | LOCATION | STATION       |               | 202 | 632   | 632  | 632   | 632  | 632  | 632   | 633  | 633  | 633  |      |   |   |   |   |   |   |   |
|                                                  |               |          | FROM          | TO            | FT  | FT    | EACH | FT    | EACH | EACH | FT    | EACH | EACH | EACH | EACH |   |   |   |   |   |   |   |
| JAMES RD. BETWEEN STA. 6+00 AND 17+00            |               |          |               |               |     |       |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| 205                                              | IC-1          | JAMES RD | 6+00, 30' LT  | 17+00, 29' LT |     | 1,118 |      | 1,101 |      |      | 1,118 |      |      |      |      |   |   |   |   |   |   |   |
| 205                                              | IC-2          | JAMES RD | 13+77, 29' LT |               |     | 150   |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| JAMES RD. BETWEEN STA. 17+00 AND 28+00, INT 2179 |               |          |               |               |     |       |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| 206                                              | IC-1          | JAMES RD | 17+00, 29' LT | 21+02, 37' LT |     | 472   |      | 465   |      |      | 472   |      |      |      |      |   |   |   |   |   |   |   |
| 206                                              | R-1           | JAMES RD | 21+02, 37' LT | 22+14, 39' LT |     |       |      | 112   |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| 206                                              | IC-2          | JAMES RD | 21+02, 37' LT | 22+14, 39' LT |     | 115   |      |       |      |      | 115   |      |      |      |      |   |   |   |   |   |   |   |
| 206                                              | TC-1          | JAMES RD | 22+12, 45' LT |               |     |       |      |       |      |      |       | 2    | 1    | 1    |      |   |   |   |   |   |   |   |
| 206                                              | IC-6          | JAMES RD | 22+12, 45' LT | 22+14, 39' LT | 9   |       |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| 206                                              | IC-5          | JAMES RD | 22+12, 45' LT | 22+78, 37' LT |     |       |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| 206                                              | IC-3          | JAMES RD | 22+14, 39' LT | 22+78, 37' LT |     | 78    |      | 77    |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| 206                                              | SE A-1        | JAMES RD | 22+78, 37' LT |               |     | 150   |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| 206                                              | IC-4          | JAMES RD | 22+78, 37' LT | 23+00, 37' LT |     |       |      |       |      |      | 51    |      |      |      |      |   |   |   |   |   |   |   |
| JAMES RD. BETWEEN STA. 28+00 AND 50+00           |               |          |               |               |     |       |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| 207                                              | IC-1          | JAMES RD | 28+00, 29' LT | 50+00, 37' LT |     | 2,233 |      | 2,233 |      |      | 2,233 |      |      |      |      |   |   |   |   |   |   |   |
| 207                                              | IC-2          | JAMES RD | 31+35, 37' LT |               |     | 150   |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| 207                                              | IC-3          | JAMES RD | 35+00, 37' LT |               |     | 150   |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| JAMES RD. BETWEEN STA. 50+00 AND 60+00           |               |          |               |               |     |       |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| 208                                              | IC-1          | JAMES RD | 50+00, 37' LT | 60+00, 45' LT |     | 1,012 |      | 1,000 |      |      | 1,012 |      |      |      |      |   |   |   |   |   |   |   |
| JAMES RD. BETWEEN STA. 65+00 AND 73+00           |               |          |               |               |     |       |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| 209                                              | IC-1          | JAMES RD | 65+00, 28' LT | 73+00, 28' LT |     | 81    |      | 81    |      |      | 81    |      |      |      |      |   |   |   |   |   |   |   |
| 209                                              | IC-2          | JAMES RD | 66+72, 28' LT |               |     | 150   |      |       |      |      |       |      |      |      |      |   |   |   |   |   |   |   |
| SHEET TOTAL                                      |               |          |               |               | 9   | 7,121 | 24   | 6,277 | 1    | 1    | 6,371 | 2    | 1    | 1    | -    | - | - | - | - | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

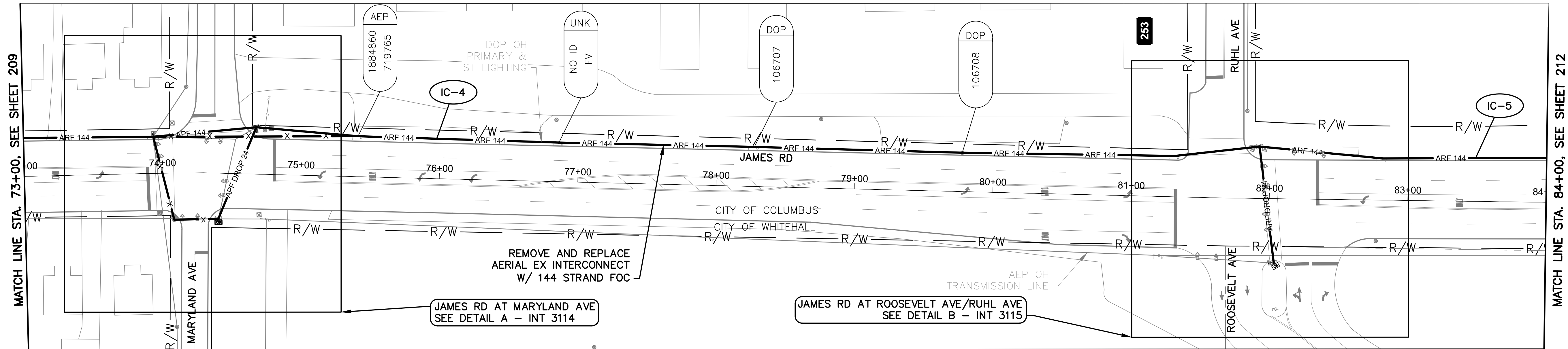
210  
1000

JAMES RD BTW STA. 6+00 & 73+00  
INT 2179

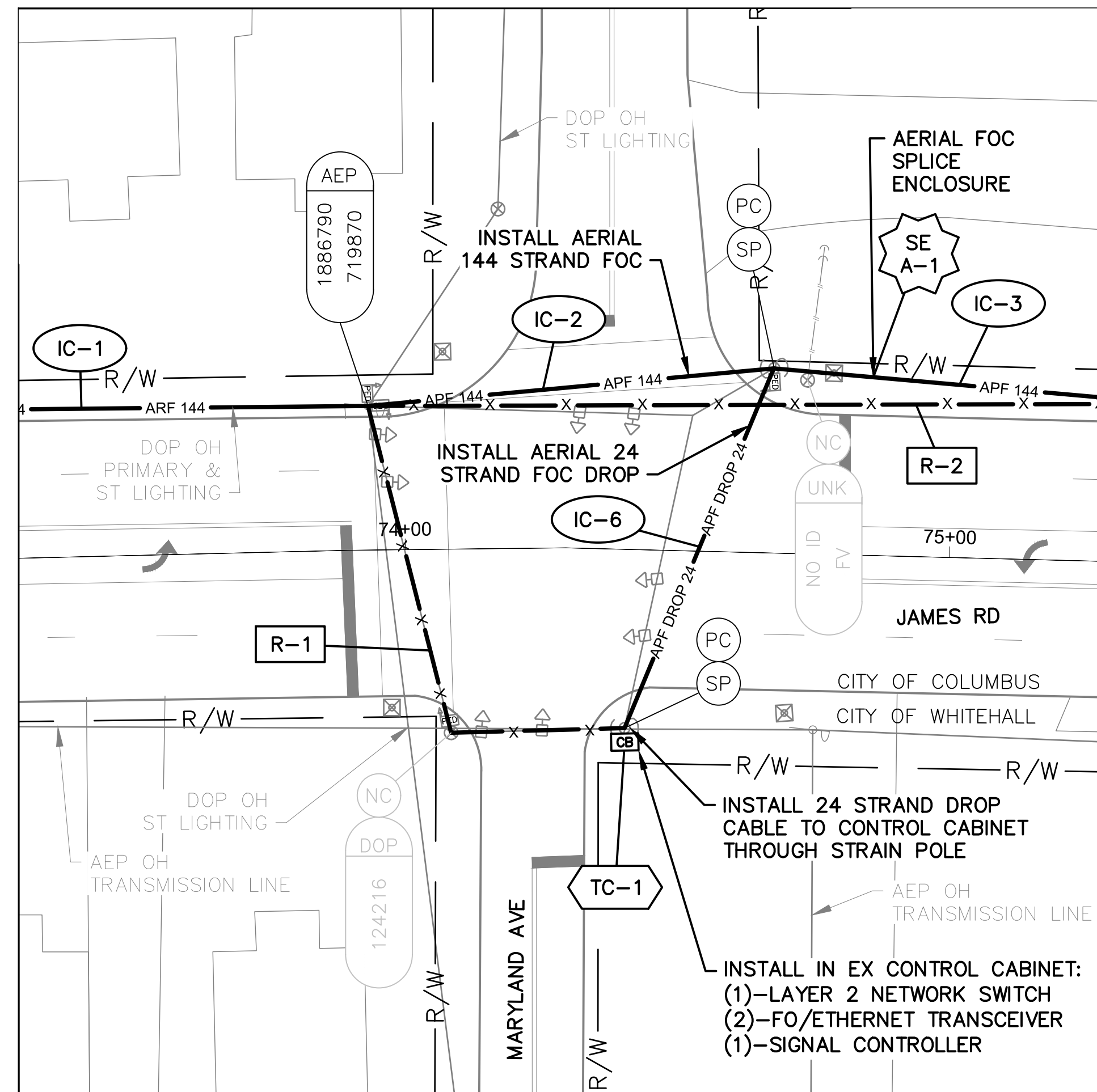
CIP: 540007–100006  
PID NUMBER: 82573



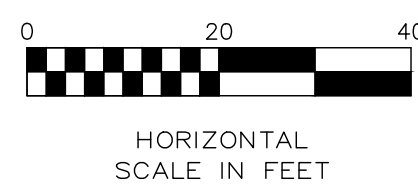
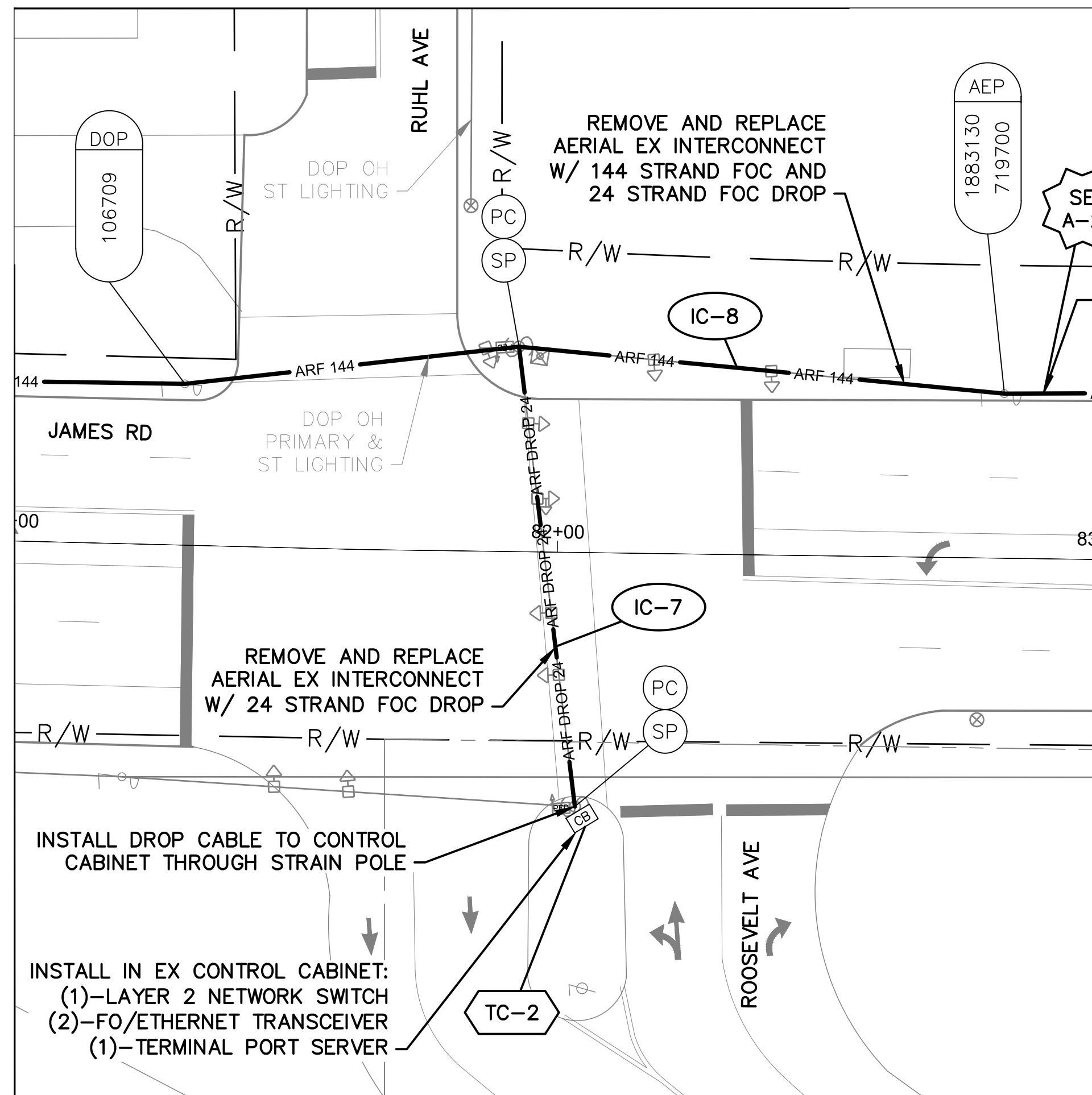
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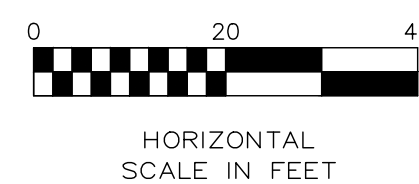
JAMES RD BETWEEN STATION 73+00 AND 84+00



DETAIL A - INT 3114



DETAIL B - INT 3115

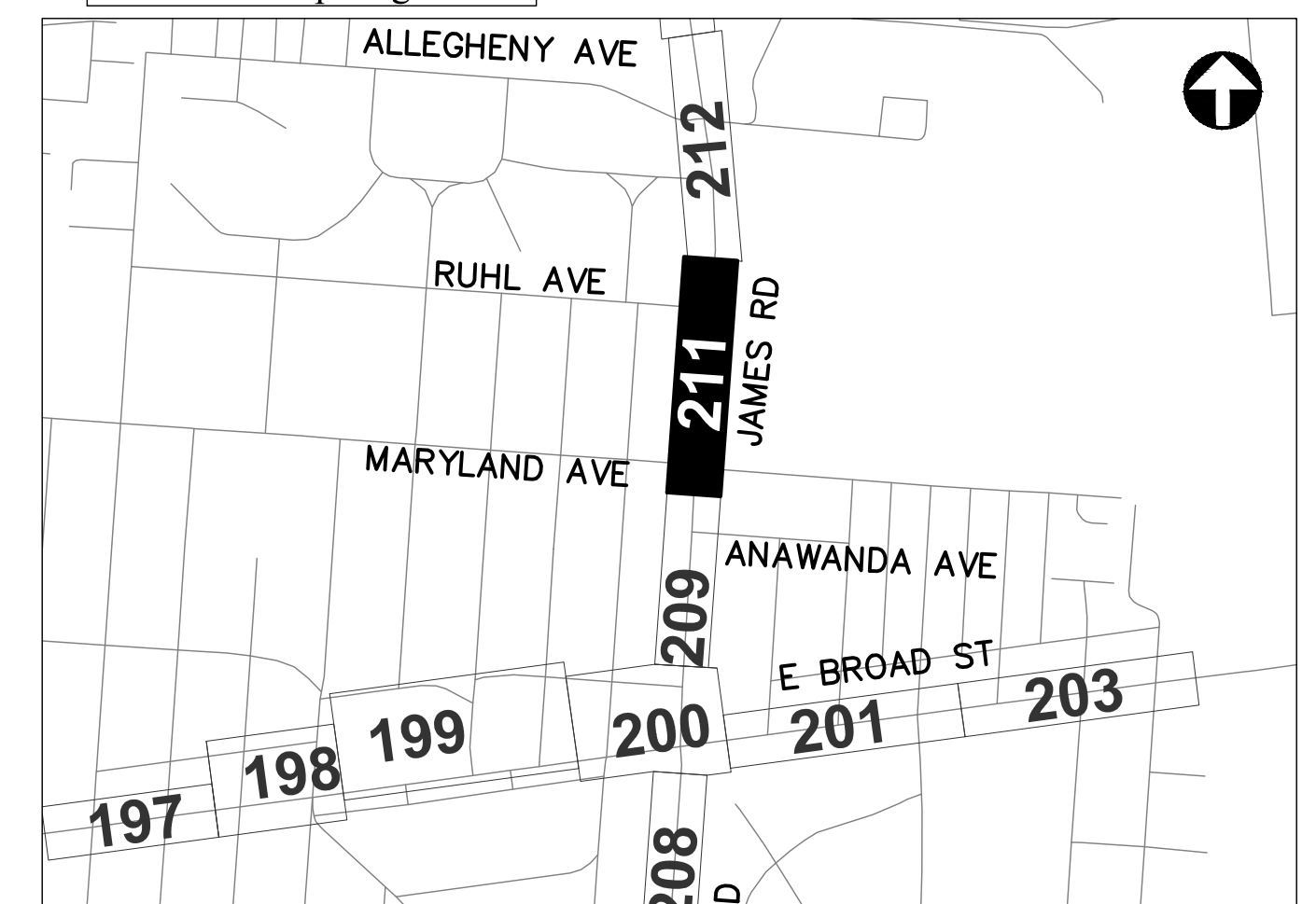


NOTES:

1. SEE SHEET 213 FOR QUANTITIES.
2. SEE SHEETS 681, 892 & 893 FOR COMMUNICATION DETAILS.
3. CITY OF COLUMBUS HAS AGREEMENT IN PLACE WITH DEFENSE SUPPLY CENTER TO MAINTAIN SIGNAL AT INT 3115.

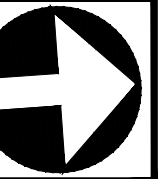


| CITY OF COLUMBUS UTILITY LEGEND     |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

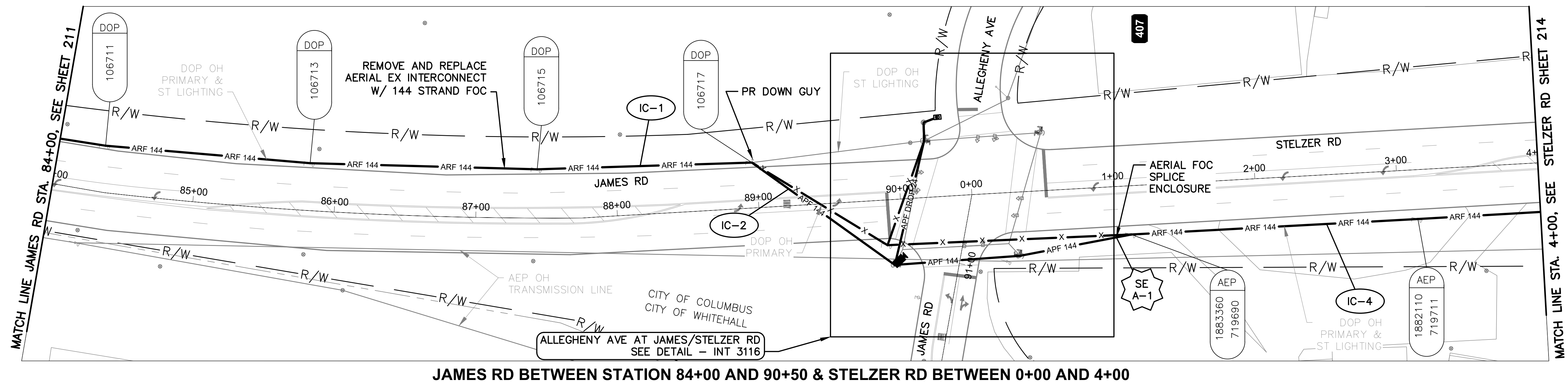
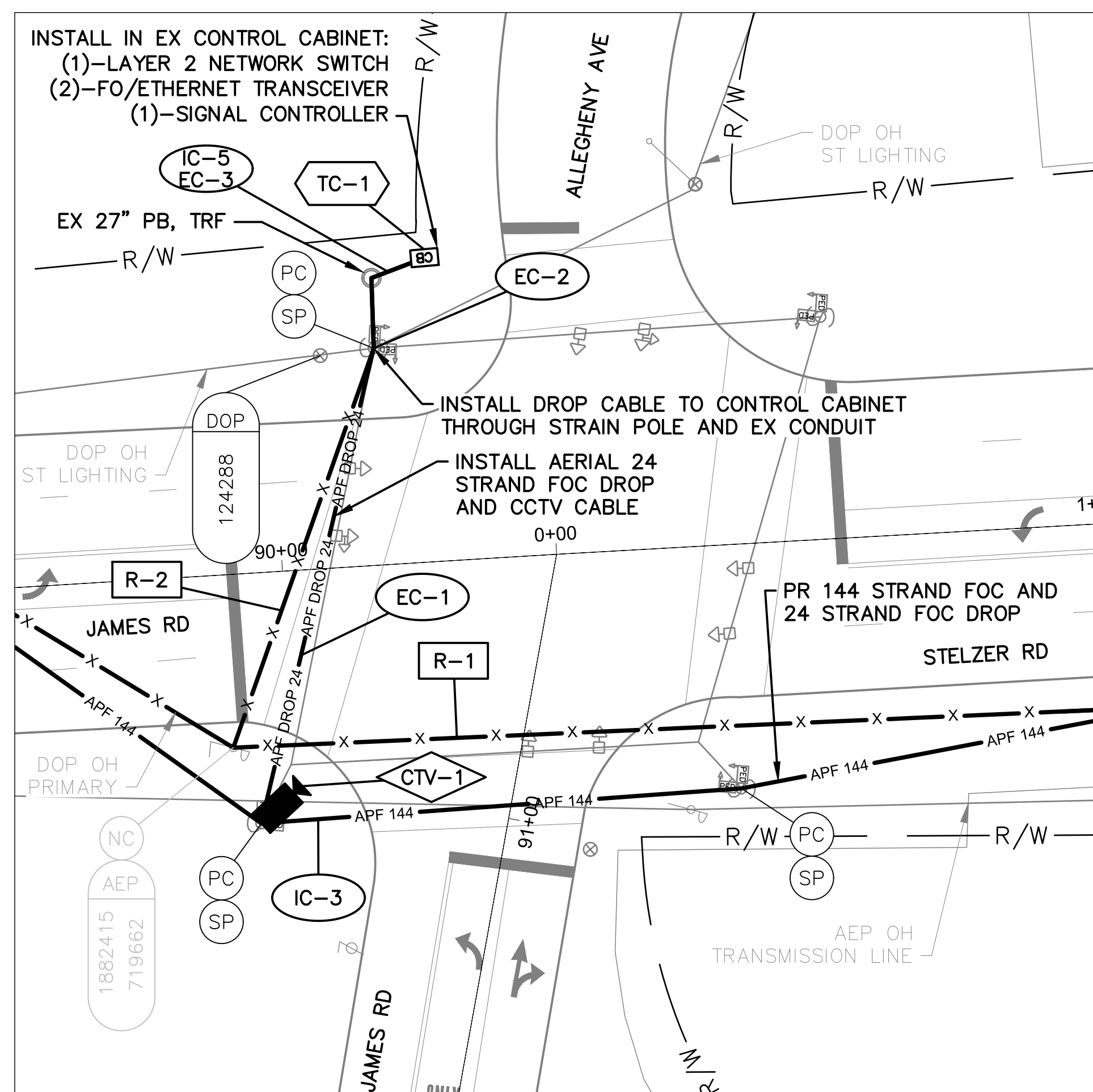
INTERCONNECT PLAN  
JAMES RD BETWEEN STA. 73+00 AND 84+00, INTS 3114 & 3115

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

211  
1000

3150-E



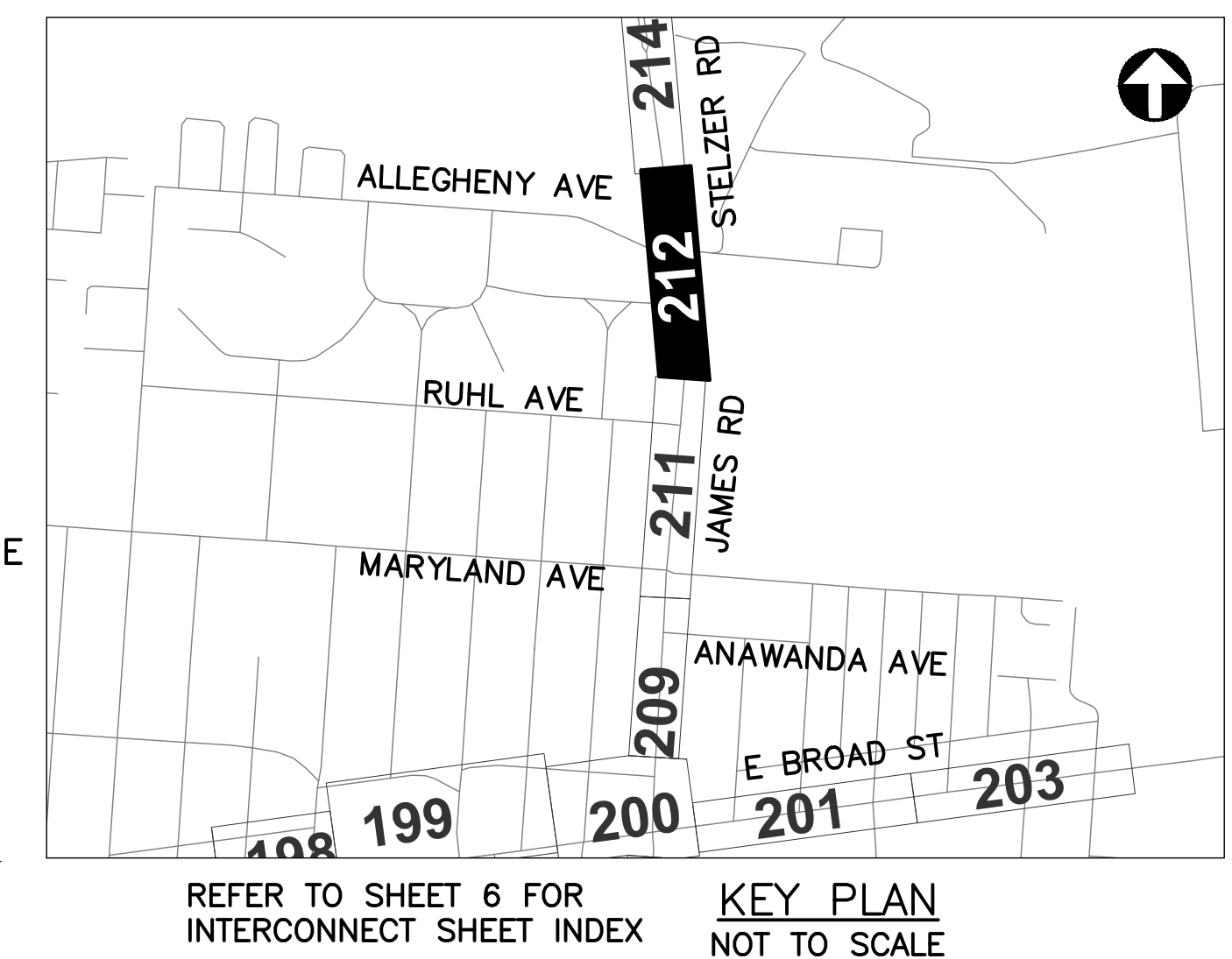
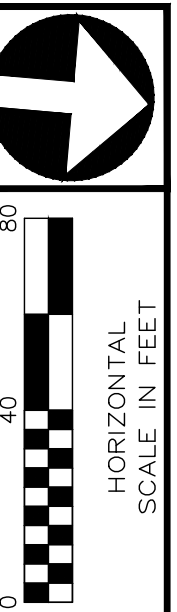


NOTES:

1. SEE SHEET 213 FOR QUANTITIES.
2. SEE SHEETS 681 & 894 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |





J:\Jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_Trunk2\_JAMES\_IC\_QUANTITIES.dwg -- JAMES-02 layout -- last saved by: gburcn 07/29/2016 03:12pm -- printed 03/18/2020 06:28am

| ESTIMATED QUANTITIES                                           |               |                    |               |               |                                                |                                                                      |                                                                     |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
|----------------------------------------------------------------|---------------|--------------------|---------------|---------------|------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------|---|---|---|---|---|
| SHEET NO.                                                      | REFERENCE NO. | LOCATION           | STATION       |               | 202                                            | 632                                                                  | 632                                                                 | 632                                                                             | 632                                                                        | 632                                                                                    | 632                                                                                    | 632                                                                                  | 632                                                 | 632                                                    | 633                                                                                    | 633                                                           | 633                                                        | 633                                                                           |   |   |   |   |   |
|                                                                |               |                    |               |               | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICER<br>EACH | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT<br>FT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 450FT DROP<br>CABLE<br>EACH | MESSANGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE<br>FT | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM<br>EACH | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER ITEM,<br>MISC.: TERMINAL PORT<br>SERVER<br>EACH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN<br>EACH |   |   |   |   |   |
| JAMES RD. BETWEEN STA. 73+00 AND 84+00, INTS 3114 & 3115       |               |                    | FROM          | TO            | FT                                             | FT                                                                   | EACH                                                                | FT                                                                              | EACH                                                                       | EACH                                                                                   | EACH                                                                                   | FT                                                                                   | FT                                                  | EACH                                                   | EACH                                                                                   | EACH                                                          | EACH                                                       | EACH                                                                          |   |   |   |   |   |
| 211                                                            | IC-1          | JAMES RD           | 73+00, 28' LT | 73+93, 26' LT |                                                | 95                                                                   |                                                                     | 94                                                                              |                                                                            |                                                                                        |                                                                                        | 95                                                                                   |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 211                                                            | IC-2          | JAMES RD           | 73+93, 26' LT | 74+70, 41' LT |                                                | 80                                                                   |                                                                     |                                                                                 |                                                                            |                                                                                        |                                                                                        | 80                                                                                   |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 211                                                            | R-1           | JAMES RD           | 73+93, 26' LT | 74+41, 33' RT |                                                |                                                                      |                                                                     | 94                                                                              |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 211                                                            | R-2           | JAMES RD           | 73+93, 26' LT | 75+40, 29' LT |                                                |                                                                      |                                                                     | 148                                                                             |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 211                                                            | TC-1          | JAMES RD           | 74+41, 33' RT |               |                                                |                                                                      |                                                                     |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        | 2                                                                                      | 1                                                             |                                                            | 1                                                                             |   |   |   |   |   |
| 211                                                            | IC-6          | JAMES RD           | 74+41, 33' RT | 74+70, 41' LT |                                                |                                                                      |                                                                     |                                                                                 |                                                                            | 1                                                                                      |                                                                                        | 80                                                                                   |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 211                                                            | SE A-1        | JAMES RD           | 74+70, 41' LT |               |                                                | 150                                                                  | 24                                                                  |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 211                                                            | IC-3          | JAMES RD           | 74+70, 41' LT | 75+40, 29' LT |                                                | 74                                                                   |                                                                     |                                                                                 |                                                                            |                                                                                        |                                                                                        | 74                                                                                   |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 211                                                            | IC-4          | JAMES RD           | 75+40, 29' LT | 82+81, 30' LT |                                                | 752                                                                  |                                                                     | 741                                                                             |                                                                            |                                                                                        |                                                                                        | 752                                                                                  |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 211                                                            | IC-7          | JAMES RD           | 81+92, 38' LT | 82+03, 47' RT |                                                |                                                                      |                                                                     | 85                                                                              |                                                                            |                                                                                        |                                                                                        | 86                                                                                   |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 211                                                            | TC-2          | JAMES RD           | 82+03, 47' RT |               |                                                |                                                                      |                                                                     |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               | 1                                                          |                                                                               |   |   |   |   |   |
| 211                                                            | IC-8          | JAMES RD           | 82+03, 47' RT | 82+81, 30' LT |                                                |                                                                      |                                                                     |                                                                                 |                                                                            | 1                                                                                      |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 211                                                            | SE A-2        | JAMES RD           | 82+81, 30' LT |               |                                                | 50                                                                   | 24                                                                  |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 211                                                            | IC-5          | JAMES RD           | 82+81, 30' LT | 84+00, 32' LT |                                                | 121                                                                  |                                                                     | 119                                                                             |                                                                            |                                                                                        |                                                                                        | 121                                                                                  |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| JAMES RD. / STELZER RD. BETWEEN STA. 84+00 AND 90+50, INT 3116 |               |                    |               |               |                                                |                                                                      |                                                                     |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 212                                                            | IC-1          | JAMES RD           | 84+00, 32' LT | 84+97, 31' LT |                                                | 496                                                                  |                                                                     | 489                                                                             |                                                                            |                                                                                        |                                                                                        | 4                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 212                                                            | IC-2          | JAMES RD           | 84+97, 32' LT | 85+00, 30' LT |                                                | 25                                                                   |                                                                     |                                                                                 |                                                                            |                                                                                        |                                                                                        | 25                                                                                   |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 212                                                            | R-1           | JAMES RD / STELZER | 84+97, 32' LT | 85+11, 34' RT |                                                |                                                                      |                                                                     | 86                                                                              |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 212                                                            | R-2           | JAMES RD           | 89+89, 32' RT | 90+19, 40' LT |                                                |                                                                      |                                                                     | 78                                                                              |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 212                                                            | EC-1          | JAMES RD           | 89+93, 46' RT | 90+19, 40' LT |                                                |                                                                      |                                                                     |                                                                                 |                                                                            |                                                                                        |                                                                                        | 90                                                                                   | 90                                                  |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 212                                                            | CTV-1         | JAMES RD           | 89+93, 46' RT |               |                                                |                                                                      |                                                                     |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     | 1                                                      |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 212                                                            | SE A-1        | JAMES RD           | 90+19, 40' LT |               |                                                | 15                                                                   | 24                                                                  |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 212                                                            | IC-5          | JAMES RD           | 90+19, 40' LT | 90+29, 56' LT |                                                | 19                                                                   |                                                                     |                                                                                 |                                                                            | 1                                                                                      |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 212                                                            | EC-3          | JAMES RD           | 90+19, 40' LT | 90+29, 56' LT |                                                |                                                                      |                                                                     |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 19                                                  |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 212                                                            | EC-2          | JAMES RD           | 90+19, 40' LT |               |                                                |                                                                      |                                                                     |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 35                                                  |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 212                                                            | IC-3          | STELZER RD         | 90+19, 40' LT | 1+11, 34' RT  |                                                |                                                                      | 262                                                                 |                                                                                 |                                                                            |                                                                                        |                                                                                        | 262                                                                                  |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 212                                                            | TC-1          | JAMES RD           | 90+29, 56' LT |               |                                                |                                                                      |                                                                     |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 10                                                  |                                                        | 2                                                                                      | 1                                                             |                                                            | 1                                                                             |   |   |   |   |   |
| 212                                                            | IC-4          | STELZER RD         | 1+11, 34' RT  | 1+00, 30' RT  |                                                |                                                                      | 289                                                                 |                                                                                 |                                                                            |                                                                                        |                                                                                        | 293                                                                                  |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| SHEET TOTAL                                                    |               |                    |               |               | 19                                             | 2,748                                                                | 72                                                                  | 2,421                                                                           | 3                                                                          | 2                                                                                      | 1                                                                                      | 2,554                                                                                | 154                                                 | 1                                                      | 6                                                                                      | 3                                                             | 1                                                          | 2                                                                             | - | - | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

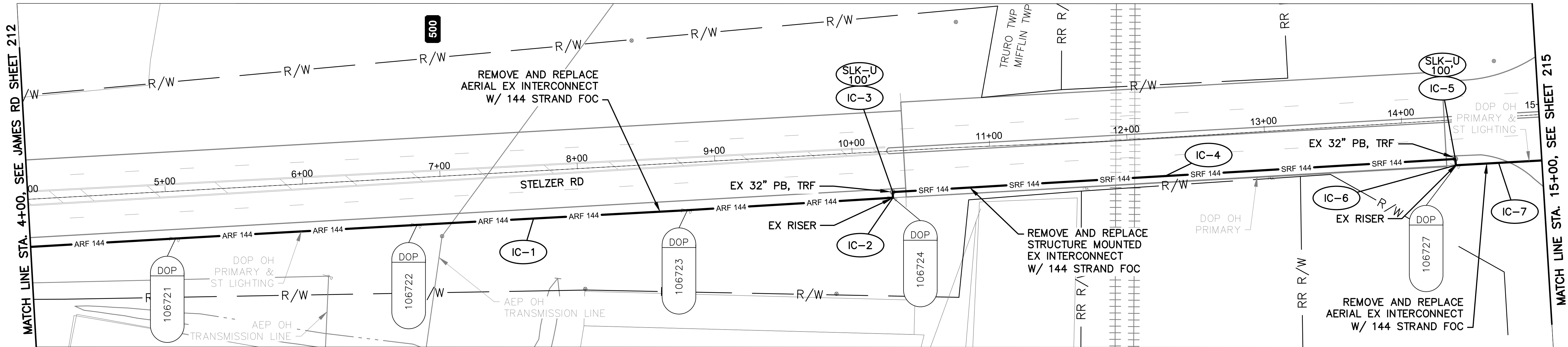
CIP: 540007-100006  
PID NUMBER: 82573

213  
1000

JAMES RD BTW STA. 73+00 & 90+50  
INTS 3114, 3115, 3116



J:\Jobs\60135\TECHPROD\Streets\CTSS\PHD\_Trunk2\_STELZER\_INTERCONNECT.dwg - STELZER-1 layout ~ last saved by: beams 03/18/2020 03:26pm ~ printed 03/18/2020 06:30pm



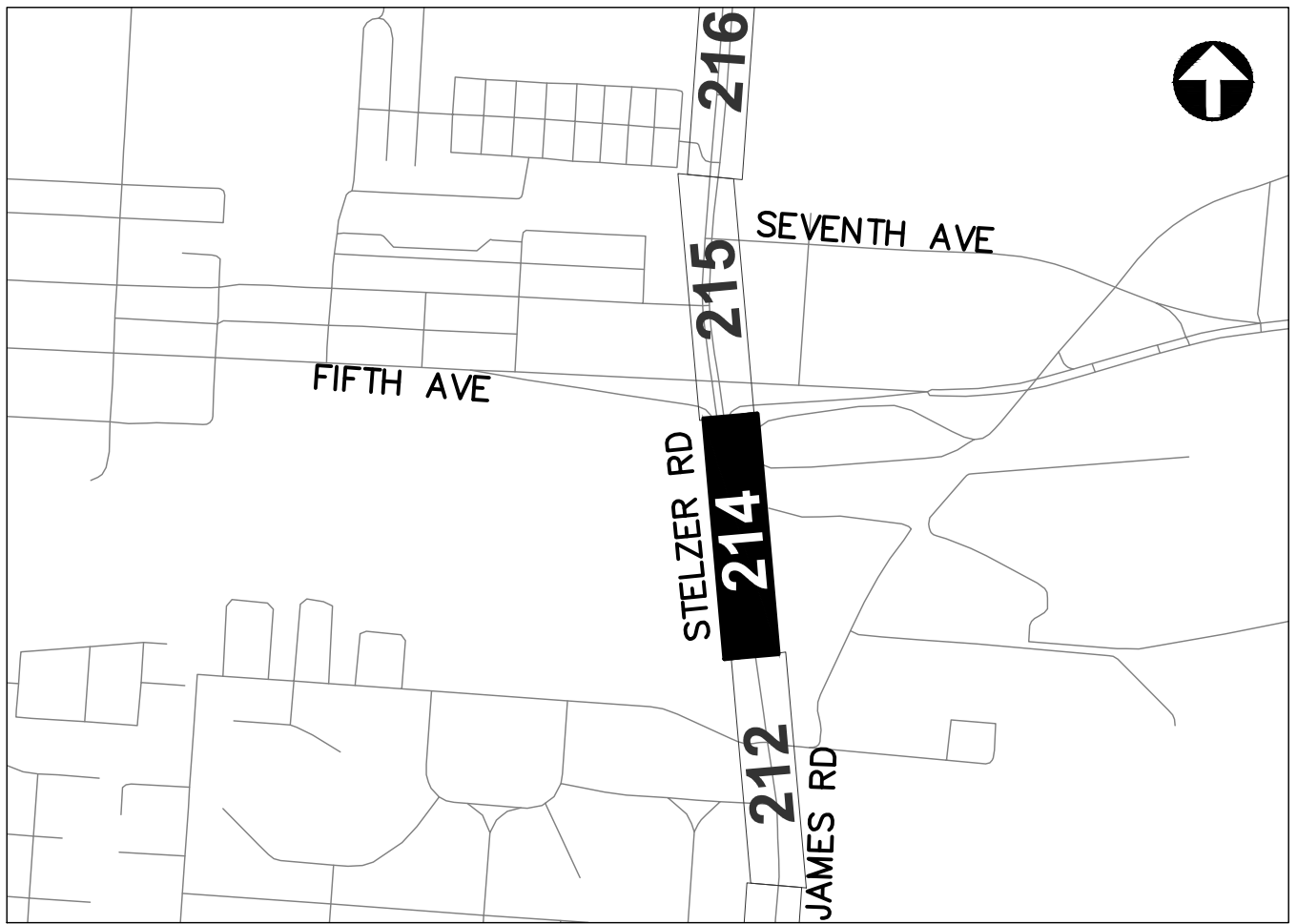
STELZER RD BETWEEN 4+00 AND 15+00

NOTES:

1. SEE SHEET 221 FOR QUANTITIES.
2. SEE SHEET 681 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 11+97, 28' RT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

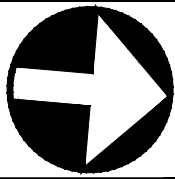
KEY PLAN  
NOT TO SCALE

3150-E

INTERCONNECT PLAN  
STELZER RD BETWEEN STA. 4+00 AND 15+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

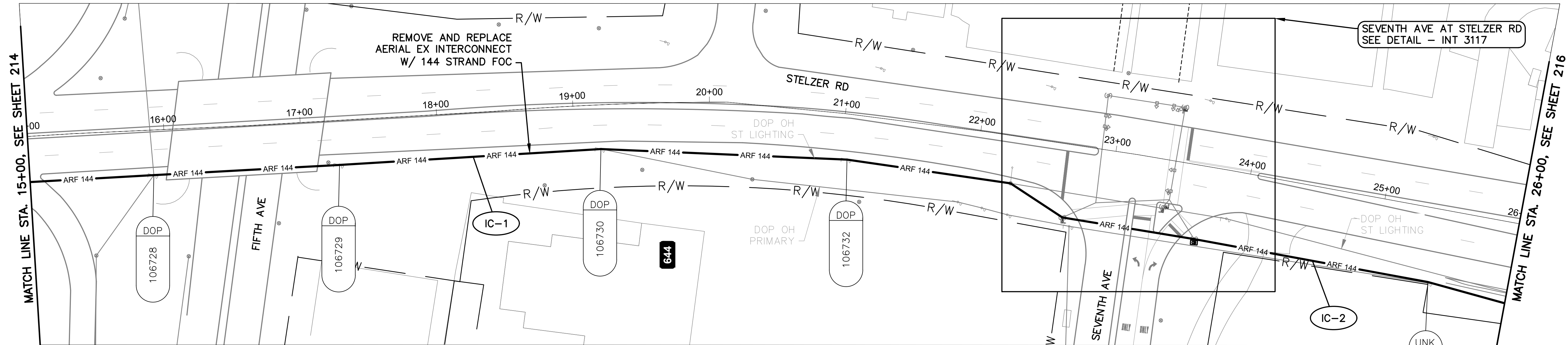
CIP: 540007-100006  
PID NUMBER: 82573



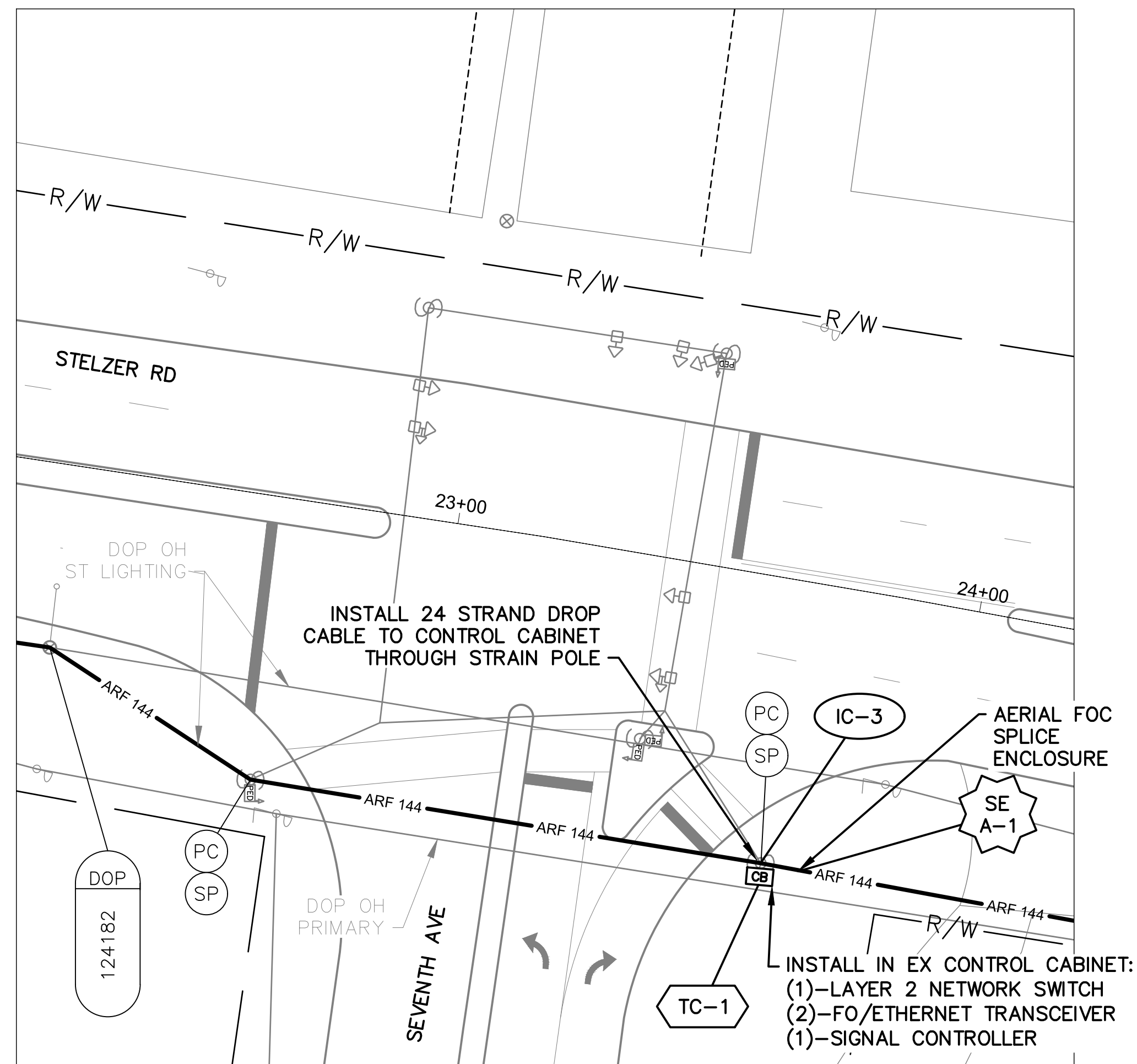
214  
1000



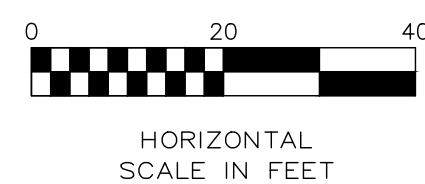
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STELZER RD BETWEEN 15+00 AND 26+00



DETAIL - INT 3117

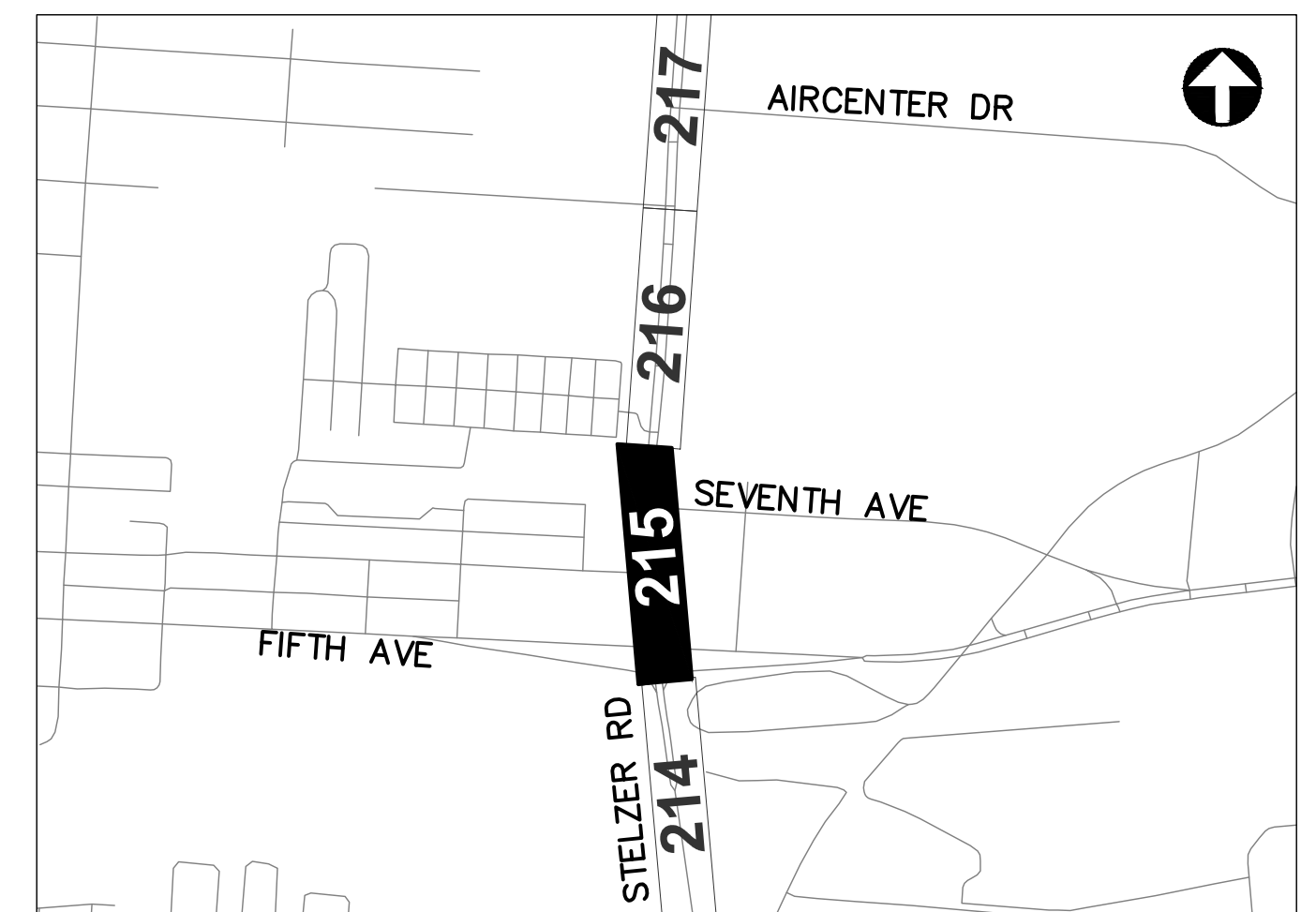


NOTES:

1. SEE SHEET 221 FOR QUANTITIES.
2. SEE SHEETS 681 & 895 FOR COMMUNICATION DETAILS.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
STELZER RD BETWEEN STA. 15+00 AND 26+00, INT 3117

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

215  
1000

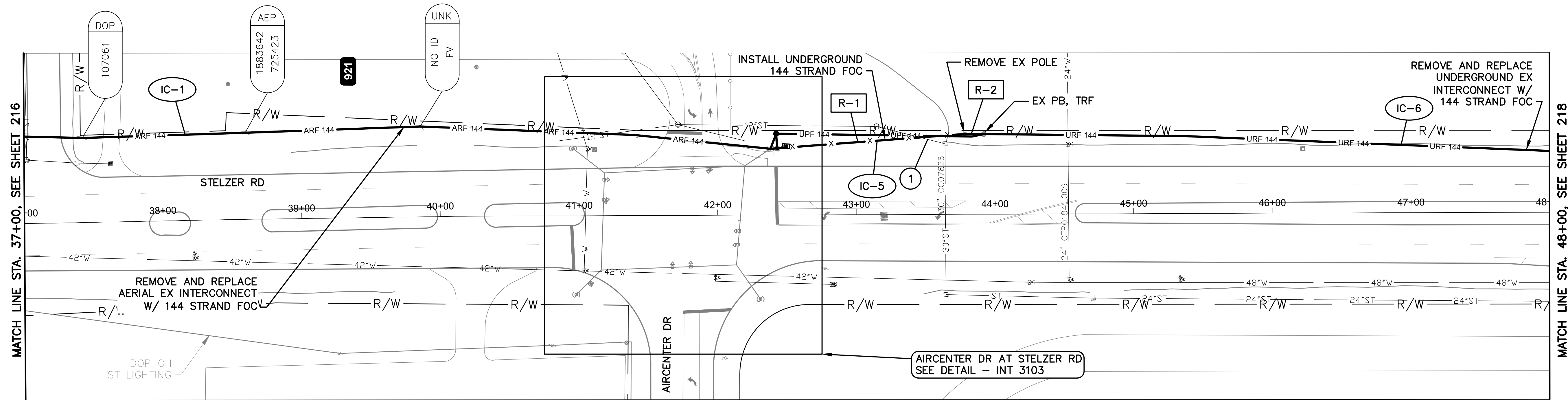
3150-E



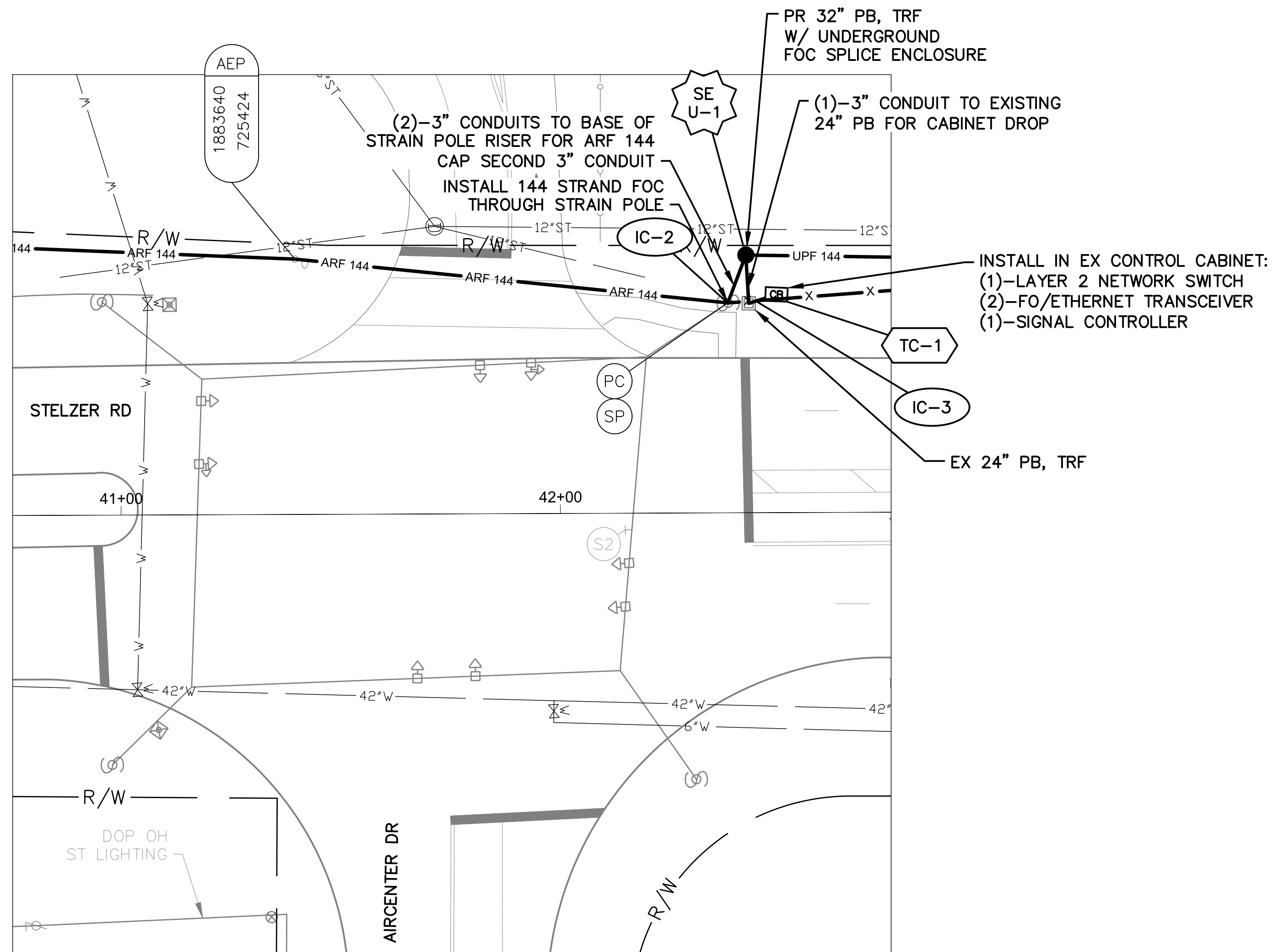




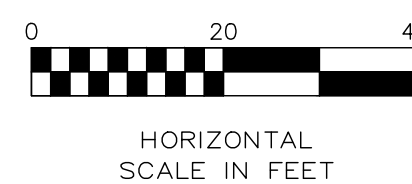
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STELZER RD BETWEEN 37+00 AND 48+00



DETAIL - INT 3103



NOTES:

1. SEE SHEET 221 FOR QUANTITIES.
2. SEE SHEETS 681 & 896 FOR COMMUNICATION DETAILS.

EXISTING UTILITY CROSSING.  
SEE UTILITY CROSSING INFO  
SHEET 14.



CITY OF COLUMBUS  
UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
STELZER RD BETWEEN STA. 37+00 AND 48+00, INT 3103

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

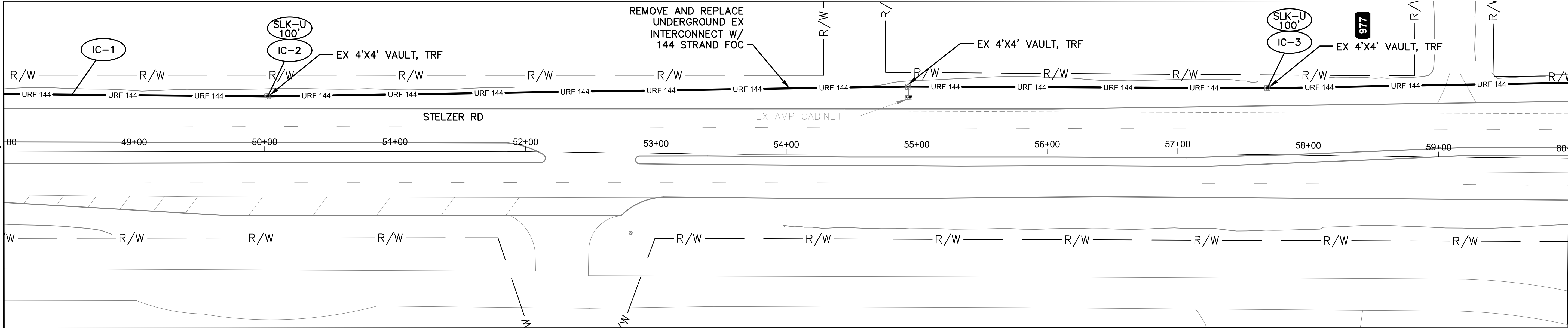
217  
1000

3150-E



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MATCH LINE STA. 48+00, SEE SHEET 217



STELZER RD BETWEEN 48+00 AND 60+00

NOTES:

1. SEE SHEET 221 FOR QUANTITIES.
2. SEE SHEET 681 FOR COMMUNICATION DETAILS.

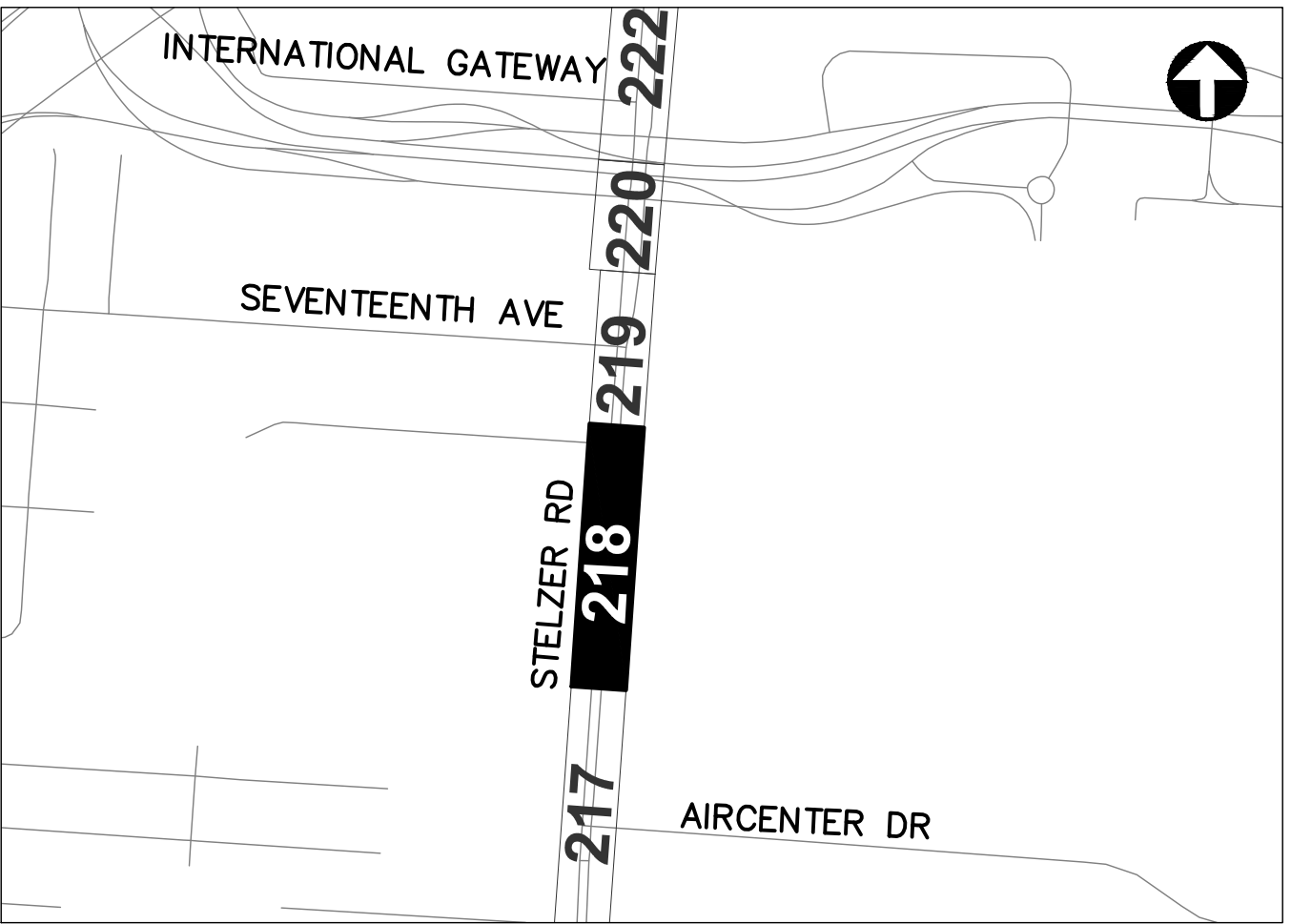
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- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING

REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



MATCH LINE STA. 60+00, SEE SHEET 219

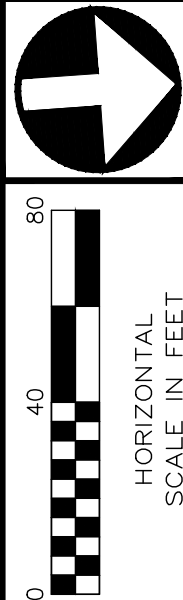
CIP: 540007-10006  
PID NUMBER: 82573

INTERCONNECT PLAN  
STELZER RD BETWEEN STA. 48+00 AND 60+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

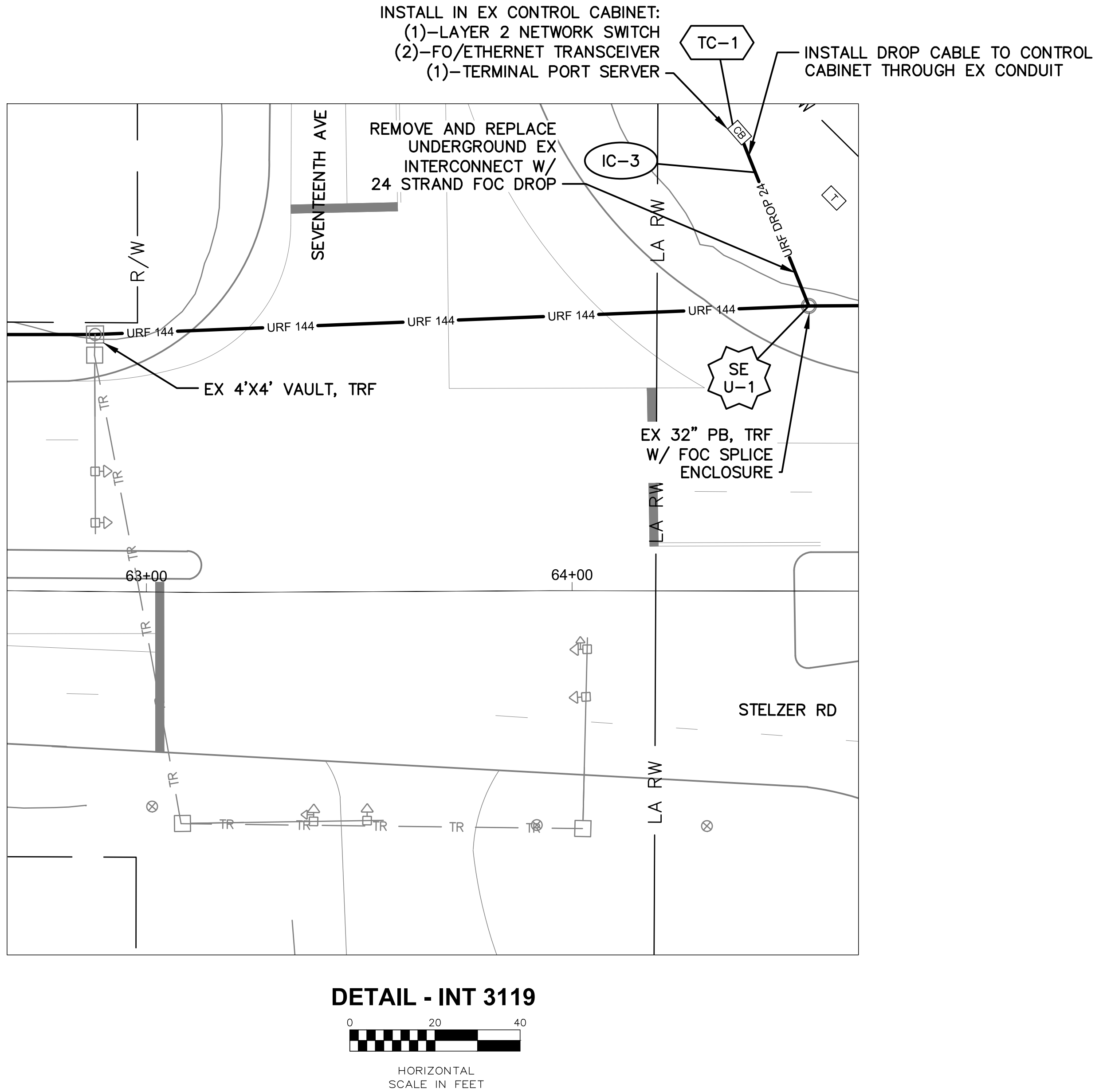
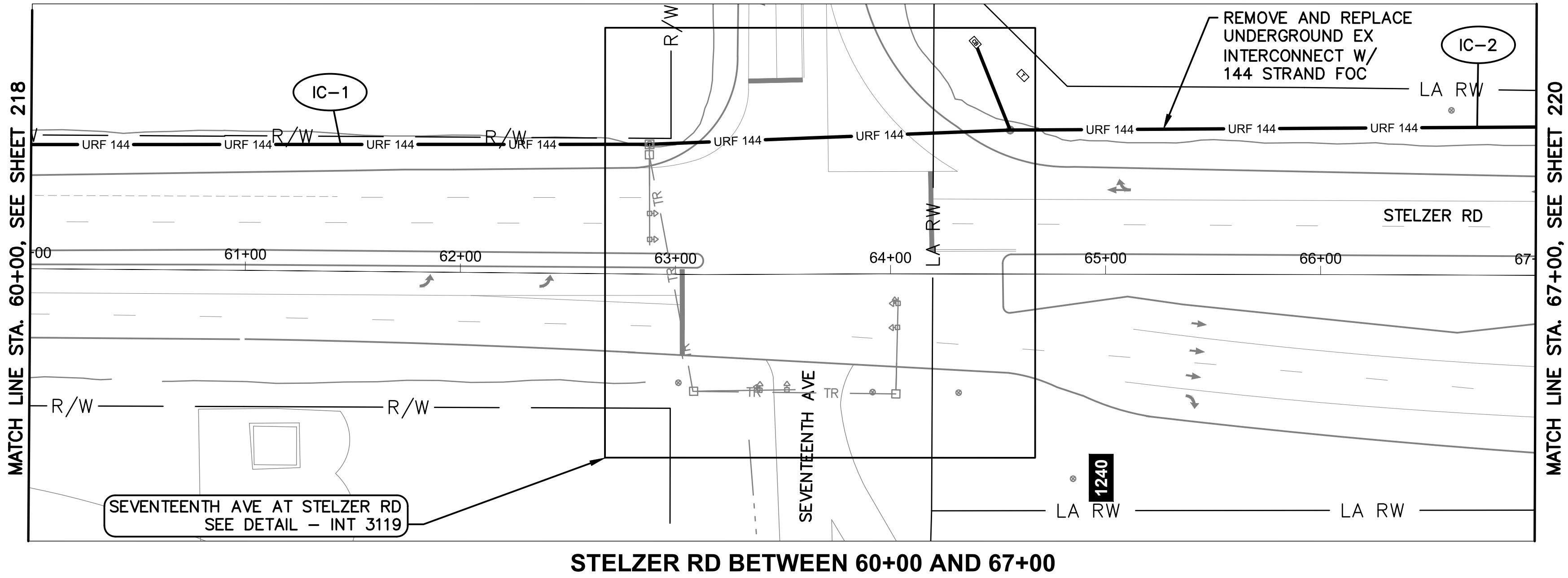
218  
1000

3150-E



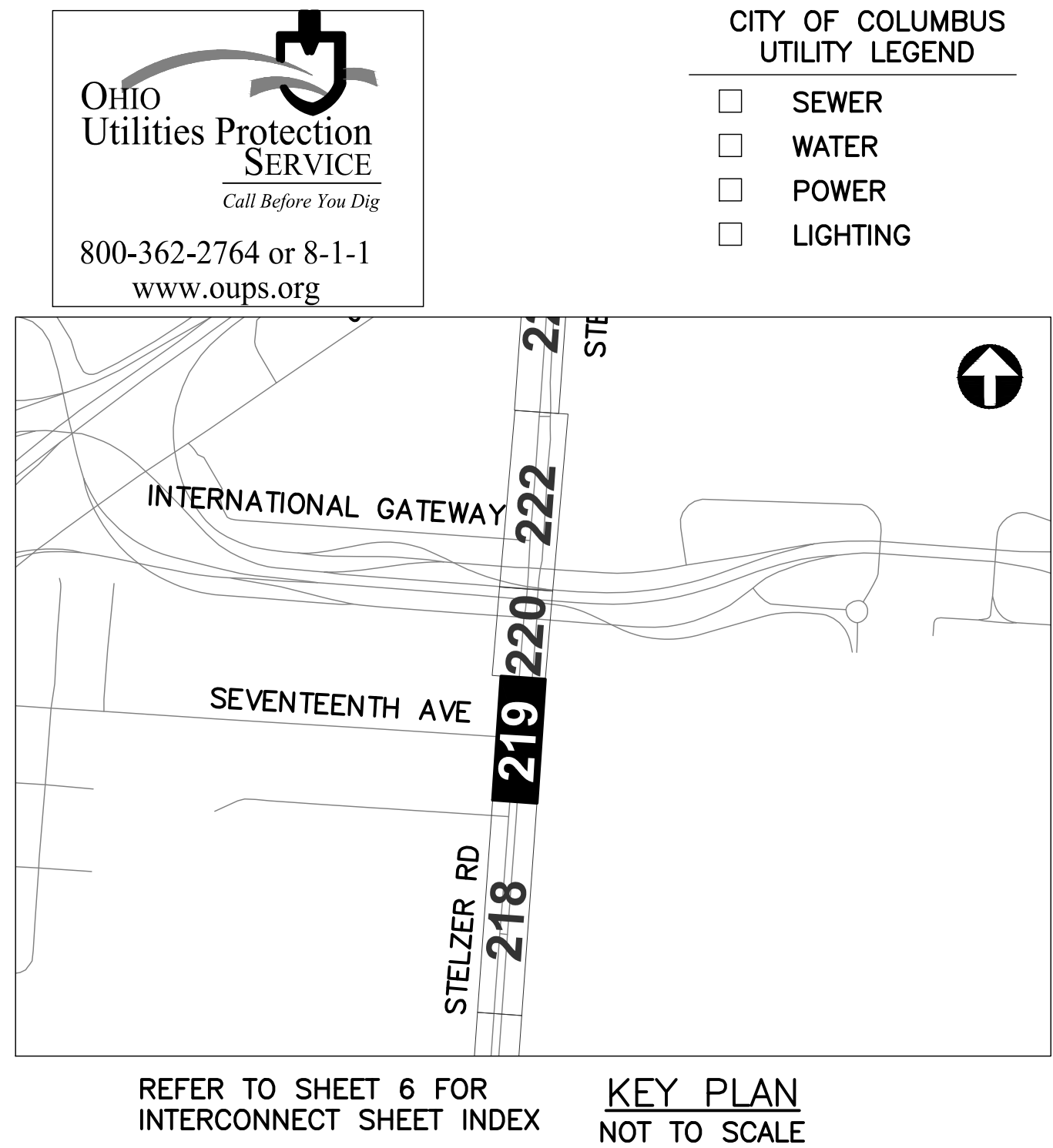
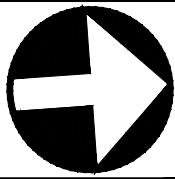
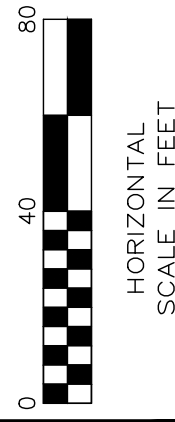


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NOTES:

1. SEE SHEET 221 FOR QUANTITIES.
2. SEE SHEETS 681 & 897 FOR COMMUNICATION DETAILS.



CIP: 540007-100006  
PID NUMBER: 82573

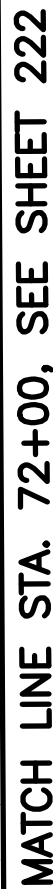
INTERCONNECT PLAN  
STELZER RD BETWEEN STA. 60+00 AND 67+00, INT 3119

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

219  
1000

3150-E





- KEY PLAN  
NOT TO SCALE



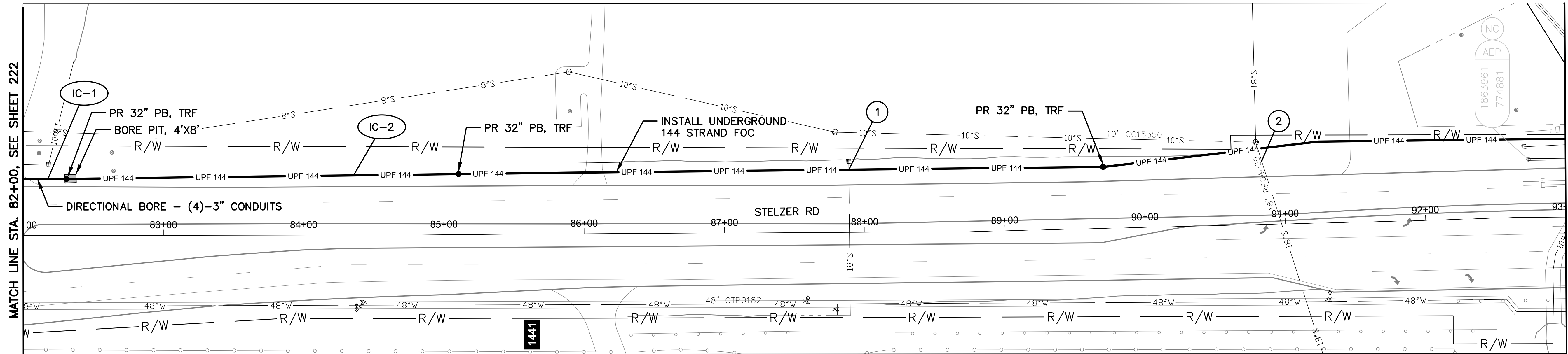
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STELZER RD BETWEEN 82+00 AND 93+00

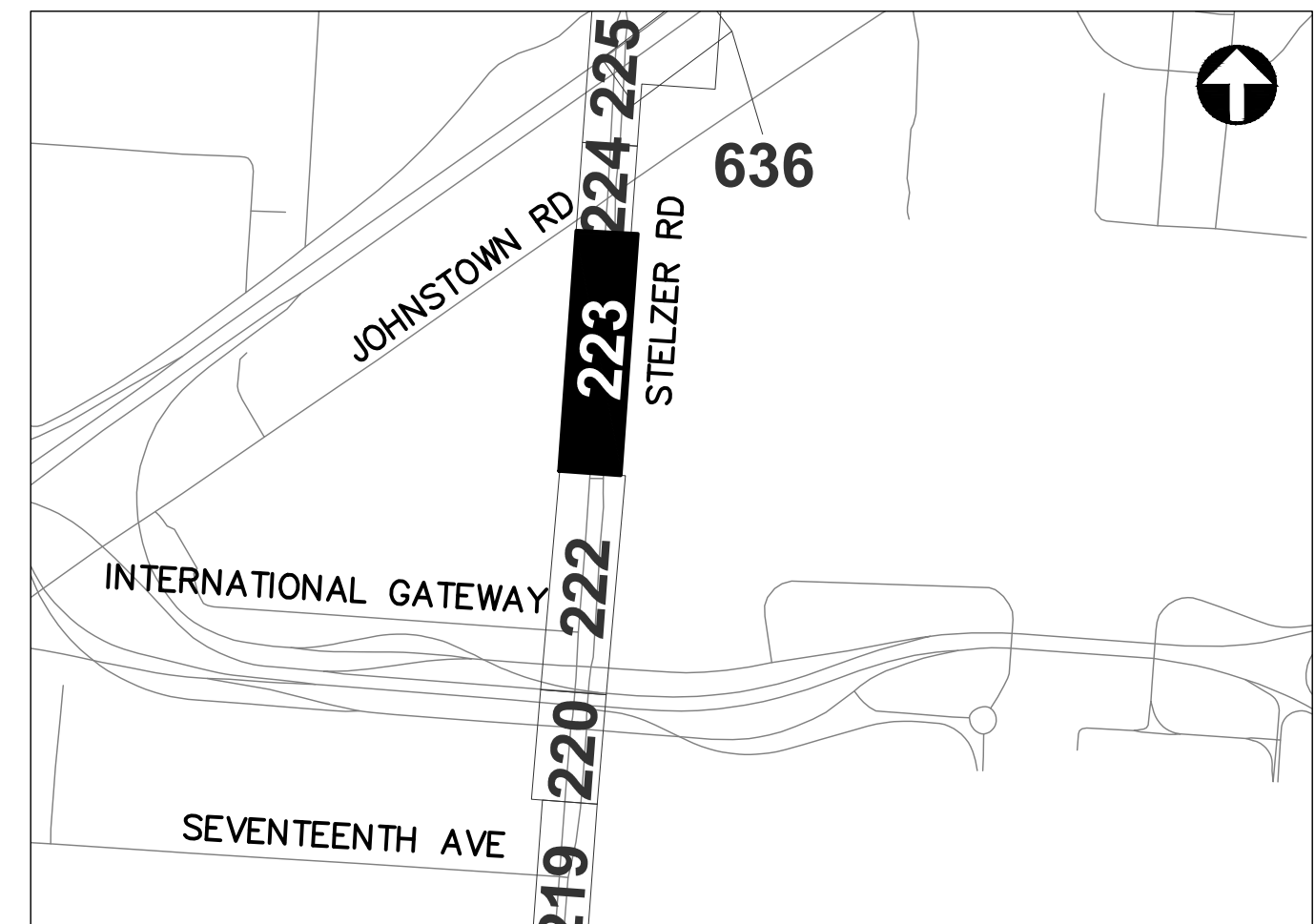
NOTES:

1. SEE SHEETS 226 & 227 FOR QUANTITIES.
2. SEE SHEET 681 FOR COMMUNICATION DETAILS.

# EXISTING UTILITY CROSSING.  
SEE UTILITY CROSSING INFO  
SHEET 14.



- CITY OF COLUMBUS  
UTILITY LEGEND
- SEWER
  - WATER
  - POWER
  - LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

0 40 80  
HORIZONTAL  
SCALE IN FEET

CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
STELZER RD BETWEEN STA. 82+00 AND 93+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

223  
1000

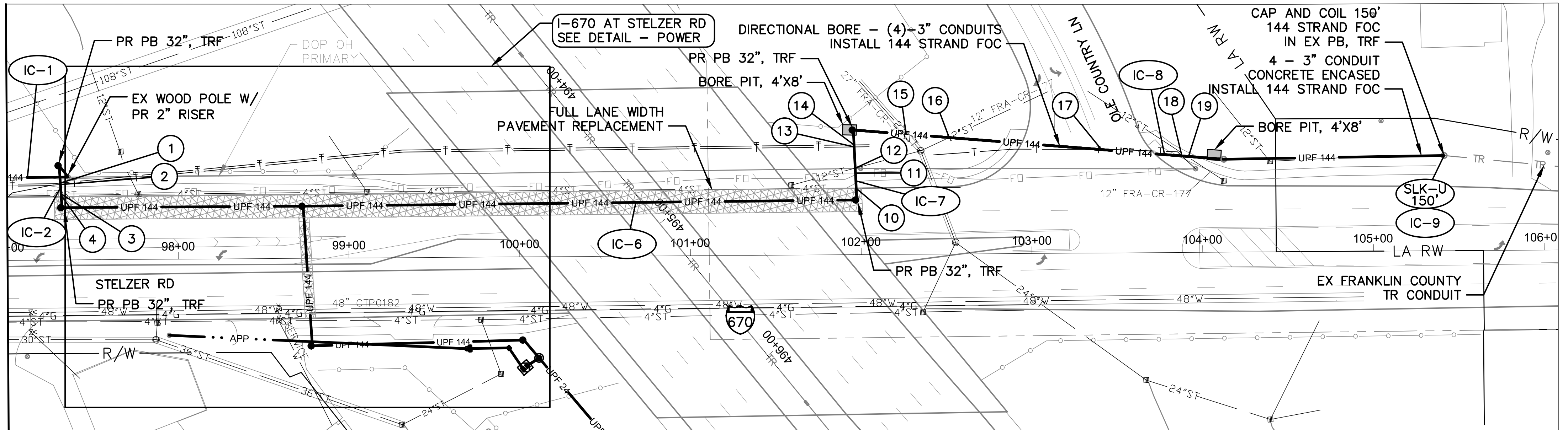




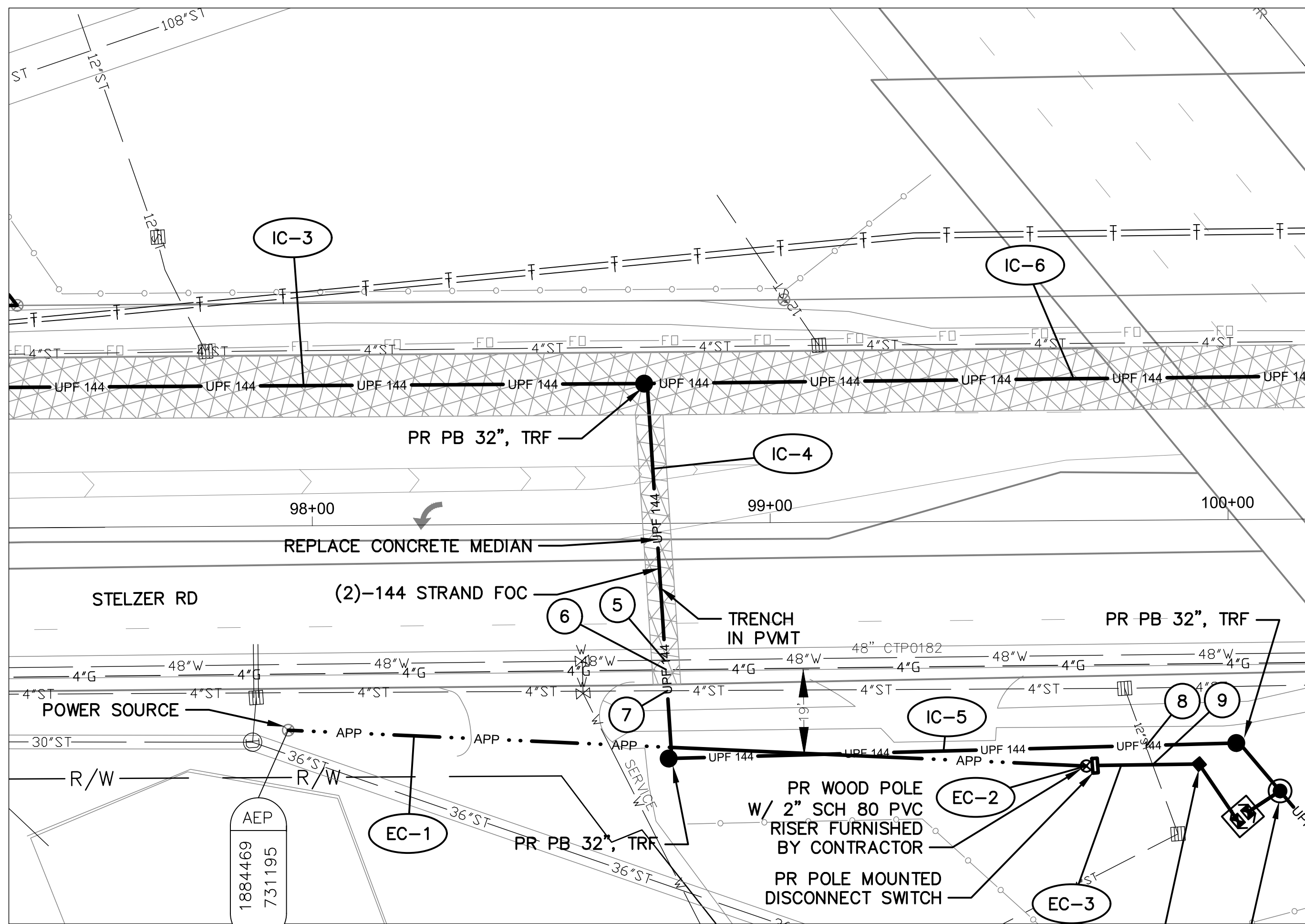


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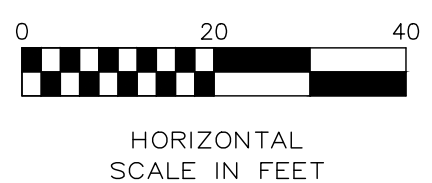
MATCH LINE STA. 97+00, SEE SHEET 224



STELZER RD BETWEEN 97+00 AND 104+50



DETAIL - POWER



NOTES:

1. SEE SHEETS 226 & 227 FOR QUANTITIES.
2. SEE SHEET 681 FOR COMMUNICATION DETAILS.
3. SEE SHEET 636 FOR NODE #670009.0 DETAIL.
4. SEE SHEET 368 FOR POWER SERVICE DETAILS.
5. ADD PERMANENT PAVEMENT REPLACEMENT WITH HEAT WELD.

# EXISTING UTILITY CROSSING.  
SEE UTILITY CROSSING INFO  
SHEET 14.



CITY OF COLUMBUS  
UTILITY LEGEND

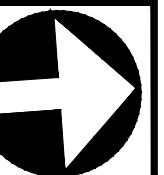
- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

3150-E



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
STELZER RD BETWEEN STA. 97+00 AND 104+50

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

225  
1000



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| ESTIMATED QUANTITIES                                  |               |            |                |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
|-------------------------------------------------------|---------------|------------|----------------|----------------|------------------------------------------|---------------------------------|-----------------------------|------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|------------------------------|------------|---------------------------------------|---------------------------------------|----------------------------------------|----------------------------------------|-----------------------------------|----------------------------------|--------------------------------------|-------------------------------------------|--------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------|
| SHEET NO.                                             | REFERENCE NO. | LOCATION   | STATION        |                | 202                                      | 609                             | 625                         | 625                                                        | 625                                               | 625                                               | 625                          | 625        | 625                                   | 625                                   | 625                                    | 625                                    | 625                               | 625                              | 632                                  | 632                                       | 632                                        | 632                                                            | 632                                                        |                                                                    |
|                                                       |               |            |                |                | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | CONCRETE MEDIAN, AS<br>PER PLAN | CONDUIT, 2", AS PER<br>PLAN | CONDUIT, CONCRETE<br>ENCASED, 4-3", 725.05, AS<br>PER PLAN | CONDUIT, JACKED OR<br>DRILLED, 3", AS PER<br>PLAN | CONDUIT, JACKED OR<br>DRILLED, 4", AS PER<br>PLAN | DISTRIBUTION CABLE,<br>NO. 6 | GROUND ROD | POWER SERVICE, TYPE A,<br>AS PER PLAN | PULL BOX, 18", 725.08, AS<br>PER PLAN | PULL BOX, CONCRETE<br>32", AS PER PLAN | PULL BOX, CONCRETE<br>48", AS PER PLAN | PULL BOX, REMOVED, AS<br>PER PLAN | TRENCH, 36" DEEP, AS<br>PER PLAN | TRENCH IN PAVED AREA,<br>AS PER PLAN | CONDUIT RISER, 2",<br>725.04, AS PER PLAN | CONDUIT RISER, 2",<br>725.051, AS PER PLAN | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE |
|                                                       |               |            | FROM           | TO             | FT                                       | CY                              | FT                          | FT                                                         | FT                                                | FT                                                | FT                           | EACH       | EACH                                  | EACH                                  | EACH                                   | EACH                                   | EACH                              | FT                               | FT                                   | EACH                                      | EACH                                       | FT                                                             | EACH                                                       | EACH                                                               |
| STELZER RD. BETWEEN STA. 72+00 AND 82+00, INT 3297    |               |            |                |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 222                                                   | IC-1          | STELZER RD | 72+00, 79' RT  | 72+92, 77' RT  | 92                                       |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           | 92                                         |                                                                |                                                            |                                                                    |
| 222                                                   | IC-2          | STELZER RD | 72+80, 58' LT  | 72+92, 77' RT  | 136                                      |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           | 136                                        |                                                                |                                                            |                                                                    |
| 222                                                   | IC-3          | STELZER RD | 72+80, 58' LT  | 73+89, 77' LT  |                                          |                                 |                             |                                                            | 444                                               |                                                   |                              |            |                                       |                                       | 2                                      |                                        | 1                                 |                                  |                                      |                                           | 111                                        |                                                                |                                                            |                                                                    |
| 222                                                   | SE U-1        | STELZER RD | 72+92, 77' RT  |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           | 150                                        | 24                                                             | 1                                                          |                                                                    |
| 222                                                   | IC-7          | STELZER RD | 72+92, 77' RT  | 73+88, 114' RT | 105                                      |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 222                                                   | EC-3          | STELZER RD | 73+56, 113' RT | 73+73, 86' RT  | 28                                       |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 222                                                   | EC-4          | STELZER RD | 73+56, 113' RT | 73+88, 114' RT |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 222                                                   | CTV-1         | STELZER RD | 73+67, 57' RT  |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 222                                                   | EC-1          | STELZER RD | 73+67, 57' RT  | 73+73, 86' RT  |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 222                                                   | EC-2          | STELZER RD | 73+73, 86' RT  |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 222                                                   | TC-1          | STELZER RD | 73+88, 114' RT |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 222                                                   | IC-4          | STELZER RD | 73+89, 77' LT  | 73+67, 57' LT  |                                          |                                 |                             | 18                                                         |                                                   |                                                   |                              |            |                                       | 1                                     |                                        |                                        | 182                               |                                  |                                      |                                           | 182                                        |                                                                |                                                            |                                                                    |
| 222                                                   | IC-5          | STELZER RD | 75+67, 57' LT  | 80+95, 41' LT  |                                          |                                 |                             | 536                                                        |                                                   |                                                   |                              |            |                                       | 2                                     |                                        |                                        | 536                               |                                  |                                      |                                           | 536                                        |                                                                |                                                            |                                                                    |
| 222                                                   | IC-6          | STELZER RD | 80+95, 41' LT  | 82+00, 41' LT  |                                          |                                 |                             |                                                            | 424                                               |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           | 106                                        |                                                                |                                                            |                                                                    |
| STELZER RD. BETWEEN STA. 82+00 AND 93+00, INT 3297    |               |            |                |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 223                                                   | IC-1          | STELZER RD | 82+00, 41' LT  | 82+00, 40' LT  |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       | 1                                      |                                        |                                   |                                  |                                      |                                           | 31                                         |                                                                |                                                            |                                                                    |
| 223                                                   | IC-2          | STELZER RD | 82+00, 41' LT  | 83+00, 50' LT  |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       | 2                                      |                                        | 1,069                             |                                  |                                      |                                           | 1,069                                      |                                                                |                                                            |                                                                    |
| STELZER RD. BETWEEN STA. 93+00 AND 97+00, INT SIG4295 |               |            |                |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 224                                                   | IC-1          | STELZER RD | 93+00, 56' LT  | 93+00, 52' LT  |                                          |                                 |                             | 11                                                         |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        | 11                                |                                  |                                      |                                           | 11                                         |                                                                |                                                            |                                                                    |
| 224                                                   | SE U-1        | STELZER RD | 93+00, 56' LT  |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           | 150                                        | 24                                                             | 1                                                          |                                                                    |
| 224                                                   | IC-2          | STELZER RD | 93+11, 52' LT  | 93+21, 56' LT  |                                          |                                 |                             | 11                                                         |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        | 11                                |                                  |                                      |                                           | 11                                         |                                                                |                                                            |                                                                    |
| 224                                                   | IC-10         | STELZER RD | 93+11, 52' LT  | 94+83, 54' LT  |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 224                                                   | IC-3          | STELZER RD | 93+21, 56' LT  |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  | 1                                    |                                           | 35                                         |                                                                |                                                            |                                                                    |
| 224                                                   | IC-4          | STELZER RD | 93+21, 56' LT  | 94+76, 57' LT  |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           | 157                                        |                                                                |                                                            |                                                                    |
| 224                                                   | IC-5          | STELZER RD | 94+00, 57' LT  |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           | 35                                         |                                                                |                                                            |                                                                    |
| 224                                                   | WR            | STELZER RD | 94+00, 57' LT  |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 224                                                   | EC-1          | STELZER RD | 94+00, 57' LT  |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 224                                                   | IC-6          | STELZER RD | 94+76, 57' LT  | 94+83, 59' LT  | 7                                        |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           | 7                                          |                                                                |                                                            |                                                                    |
| 224                                                   | EC-2          | STELZER RD | 94+76, 57' LT  | 94+83, 59' LT  |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 224                                                   | TC-1          | STELZER RD | 94+83, 59' LT  |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 224                                                   | EC-3          | STELZER RD | 94+83, 59' LT  | 94+83, 59' LT  |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 224                                                   | IC-7          | STELZER RD | 94+83, 59' LT  | 95+85, 67' LT  |                                          |                                 |                             | 102                                                        |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        | 102                               |                                  |                                      |                                           | 102                                        |                                                                |                                                            |                                                                    |
| 224                                                   | IC-8          | STELZER RD | 95+85, 67' LT  | 96+39, 79' LT  |                                          |                                 |                             |                                                            | 220                                               |                                                   |                              |            |                                       |                                       | 2                                      |                                        |                                   |                                  |                                      |                                           | 55                                         |                                                                |                                                            |                                                                    |
| 224                                                   | IC-9          | STELZER RD | 96+39, 79' LT  | 97+00, 63' LT  |                                          |                                 |                             | 63                                                         |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        | 63                                |                                  |                                      |                                           | 63                                         |                                                                |                                                            |                                                                    |
| STELZER RD. BETWEEN STA. 97+00 AND 104+50             |               |            |                |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 225                                                   | IC-1          | STELZER RD | 97+00, 63' LT  | 97+30, 55' LT  |                                          |                                 |                             | 31                                                         |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        | 31                                |                                  |                                      |                                           | 31                                         |                                                                |                                                            |                                                                    |
| 225                                                   | IC-2          | STELZER RD | 97+30, 55' LT  | 97+32, 31' LT  |                                          |                                 |                             | 25                                                         |                                                   |                                                   |                              |            |                                       |                                       | 2                                      |                                        | 25                                |                                  |                                      |                                           | 25                                         |                                                                |                                                            |                                                                    |
| 225                                                   | IC-3          | STELZER RD | 97+32, 31' LT  | 98+78, 31' LT  |                                          |                                 |                             | 141                                                        |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  | 141                                  |                                           | 141                                        |                                                                |                                                            |                                                                    |
| 225                                                   | IC-4          | STELZER RD | 98+78, 31' LT  | 98+78, 51' RT  |                                          | 1                               |                             | 82                                                         |                                                   |                                                   |                              |            |                                       |                                       | 2                                      |                                        | 82                                |                                  |                                      |                                           | 164                                        |                                                                |                                                            |                                                                    |
| 225                                                   | IC-6          | STELZER RD | 98+78, 31' LT  | 101+98, 32' LT |                                          |                                 |                             | 324                                                        |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        | 324                               |                                  |                                      |                                           | 324                                        |                                                                |                                                            |                                                                    |
| 225                                                   | IC-5          | STELZER RD | 98+78, 51' RT  | 100+04, 64' RT |                                          |                                 |                             | 146                                                        |                                                   |                                                   |                              |            |                                       |                                       | 1                                      | 1                                      | 146                               |                                  |                                      |                                           | 292                                        |                                                                |                                                            |                                                                    |
| 225                                                   | EC-1          | STELZER RD | 99+12, 48' LT  | 99+64, 54' RT  |                                          |                                 |                             |                                                            |                                                   | 525                                               |                              | 1          |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 225                                                   | EC-2          | STELZER RD | 99+64, 54' RT  |                |                                          |                                 |                             |                                                            |                                                   | 105                                               | 1                            |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      | 1                                         |                                            |                                                                |                                                            |                                                                    |
| 225                                                   | EC-3          | STELZER RD | 99+64, 54' RT  | 100+02, 66' RT |                                          |                                 | 80                          |                                                            |                                                   | 150                                               |                              |            |                                       | 1                                     |                                        |                                        | 40                                |                                  |                                      |                                           |                                            |                                                                |                                                            |                                                                    |
| 225                                                   | IC-7          | STELZER RD | 101+96, 73' LT | 101+98, 32' LT |                                          |                                 |                             | 41                                                         |                                                   |                                                   |                              |            |                                       |                                       | 2                                      |                                        | 41                                |                                  |                                      |                                           | 41                                         |                                                                |                                                            |                                                                    |
| 225                                                   | IC-8          | STELZER RD | 101+96, 73' LT | 104+12, 55' LT |                                          |                                 |                             |                                                            | 880                                               |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           | 220                                        |                                                                |                                                            |                                                                    |
| 225                                                   | IC-9          | STELZER RD | 104+12, 55' LT |                |                                          |                                 |                             |                                                            |                                                   |                                                   |                              |            |                                       |                                       |                                        |                                        |                                   |                                  |                                      |                                           | 150                                        |                                                                |                                                            |                                                                    |
| SHEET TOTAL                                           |               |            |                |                | 373                                      | 1                               | 80                          | 2,764                                                      | 1,872                                             | 220                                               | 780                          | 1          | 1                                     | 1                                     | 18                                     | 1                                      | 1                                 | 1,721                            | 1,083                                | 1                                         | 1                                          | 4,427                                                          | 48                                                         | 2                                                                  |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.



J:\Jobs\60135\TECHPROD\Sheets\CTSS\_Phd\_Trunk2\_STELZER\_IC\_QUANTITIES.dwg -- STELZER-Q2B layout -- last saved by: gburch 07/29/2016 03:13pm -- printed 03/18/2020 06:50pm

| ESTIMATED QUANTITIES                                  |               |            |                |                |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
|-------------------------------------------------------|---------------|------------|----------------|----------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------|---------------------------------------------|------------------------------------|---------------------------|-----------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------|----------------------------------------------|---|---|---|---|---|---|
| SHEET NO.                                             | REFERENCE NO. | LOCATION   | STATION        |                | 632                                                                   | 632                                                                   | 632                                                                 | 632                                               | 632                                        | 632                                         | 632                                | 633                       | 633                                                                   | 633                                              | 633                                             |                                              |   |   |   |   |   |   |
|                                                       |               |            | FROM           | TO             | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 450FT DROP CABLE | MESSAGE WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN | SIGNALIZATION, MISC.: CAT 5E CABLE, OUTDOOR RATED | SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE | SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM | SPREAD SPECTRUM RADIO, AS PER PLAN | WOOD POLE, CLASS 5, 35 FT | CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE | CONTROLLER ITEM, MISC.: INTERNAL ETHERNET MODULE | CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH | CONTROLLER ITEM, MISC.: TERMINAL PORT SERVER |   |   |   |   |   |   |
| STELZER RD. BETWEEN STA. 72+00 AND 82+00, INT 3297    |               |            |                |                |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | IC-1          | STELZER RD | 72+00, 79' RT  | 72+92, 77' RT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | IC-2          | STELZER RD | 72+80, 58' LT  | 72+92, 77' RT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | IC-3          | STELZER RD | 72+80, 58' LT  | 73+89, 77' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | SE U-1        | STELZER RD | 72+92, 77' RT  |                |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | IC-7          | STELZER RD | 72+92, 77' RT  | 73+88, 114' RT | 1                                                                     |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | EC-3          | STELZER RD | 73+56, 113' RT | 73+73, 86' RT  |                                                                       |                                                                       |                                                                     | 66                                                |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | EC-4          | STELZER RD | 73+56, 113' RT | 73+88, 114' RT |                                                                       |                                                                       |                                                                     | 46                                                |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | CTV-1         | STELZER RD | 73+67, 57' RT  |                |                                                                       |                                                                       |                                                                     |                                                   |                                            | 1                                           |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | EC-1          | STELZER RD | 73+67, 57' RT  | 73+73, 86' RT  |                                                                       |                                                                       |                                                                     |                                                   |                                            | 31                                          |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | EC-2          | STELZER RD | 73+73, 86' RT  |                |                                                                       |                                                                       |                                                                     |                                                   |                                            | 45                                          |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | TC-1          | STELZER RD | 73+88, 114' RT |                |                                                                       |                                                                       |                                                                     | 20                                                |                                            |                                             |                                    |                           |                                                                       |                                                  | 1                                               | 1                                            |   |   |   |   |   |   |
| 222                                                   | IC-4          | STELZER RD | 73+89, 77' LT  | 73+67, 57' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | IC-5          | STELZER RD | 73+92, 77' LT  | 80+95, 41' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 222                                                   | IC-6          | STELZER RD | 80+95, 41' LT  | 82+00, 41' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| STELZER RD. BETWEEN STA. 82+00 AND 93+00, INT SIG4295 |               |            |                |                |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 223                                                   | IC-1          | STELZER RD | 82+00, 41' LT  | 82+00, 41' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 223                                                   | IC-2          | STELZER RD | 82+31, 44' LT  | 93+00, 54' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| STELZER RD. BETWEEN STA. 93+00 AND 97+00, INT SIG4295 |               |            |                |                |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | IC-1          | STELZER RD | 93+00, 54' LT  | 93+11, 52' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | SE U-1        | STELZER RD | 93+11, 52' LT  |                |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | IC-2          | STELZER RD | 93+11, 52' LT  | 93+00, 54' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | IC-10         | STELZER RD | 93+11, 52' LT  | 94+83, 54' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | IC-3          | STELZER RD | 93+21, 56' LT  |                |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    | 1                         |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | IC-4          | STELZER RD | 93+21, 56' LT  | 94+76, 57' LT  |                                                                       |                                                                       | 157                                                                 |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | IC-5          | STELZER RD | 94+76, 57' LT  |                |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | W-1           | STELZER RD | 94+76, 57' LT  |                |                                                                       |                                                                       |                                                                     |                                                   |                                            | 1                                           |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | EC-1          | STELZER RD | 94+76, 57' LT  |                |                                                                       |                                                                       |                                                                     | 35                                                |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | IC-6          | STELZER RD | 94+76, 57' LT  | 94+83, 59' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | EC-2          | STELZER RD | 94+76, 57' LT  | 94+83, 59' LT  |                                                                       |                                                                       |                                                                     | 7                                                 |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | TC-1          | STELZER RD | 94+83, 54' LT  |                |                                                                       |                                                                       | 10                                                                  |                                                   |                                            |                                             |                                    |                           | 2                                                                     |                                                  | 1                                               | 1                                            |   |   |   |   |   |   |
| 224                                                   | EC-3          | STELZER RD | 94+83, 54' LT  | 94+83, 59' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | IC-7          | STELZER RD | 94+83, 59' LT  | 95+76, 67' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | IC-8          | STELZER RD | 95+76, 67' LT  | 96+39, 79' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 224                                                   | IC-9          | STELZER RD | 96+39, 79' LT  | 97+00, 63' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| STELZER RD. BETWEEN STA. 97+00 AND 104+50             |               |            |                |                |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 225                                                   | IC-1          | STELZER RD | 97+00, 56' LT  | 97+30, 55' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 225                                                   | IC-2          | STELZER RD | 97+30, 55' LT  | 97+32, 31' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 225                                                   | IC-3          | STELZER RD | 97+32, 31' LT  | 98+78, 31' LT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 225                                                   | IC-4          | STELZER RD | 98+78, 31' LT  | 98+78, 51' RT  |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 225                                                   | IC-6          | STELZER RD | 98+78, 31' LT  | 101+98, 32' LT |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 225                                                   | IC-5          | STELZER RD | 98+78, 51' RT  | 100+04, 64' RT |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 225                                                   | EC-1          | STELZER RD | 99+12, 48' LT  | 99+64, 54' RT  |                                                                       |                                                                       | 175                                                                 |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 225                                                   | EC-2          | STELZER RD | 99+64, 54' RT  |                |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           | 1                                                                     |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 225                                                   | EC-3          | STELZER RD | 99+64, 54' RT  | 100+02, 66' RT |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 225                                                   | IC-7          | STELZER RD | 101+96, 73' LT | 101+98, 32' LT |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 225                                                   | IC-8          | STELZER RD | 101+96, 73' LT | 104+12, 55' LT |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| 225                                                   | IC-9          | STELZER RD | 104+12, 55' LT |                |                                                                       |                                                                       |                                                                     |                                                   |                                            |                                             |                                    |                           |                                                                       |                                                  |                                                 |                                              |   |   |   |   |   |   |
| SHEET TOTAL                                           |               |            |                |                | 1                                                                     | 1                                                                     | 332                                                                 | 189                                               | 76                                         | 1                                           | 1                                  | 2                         | 4                                                                     | 1                                                | 2                                               | 1                                            | - | - | - | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT

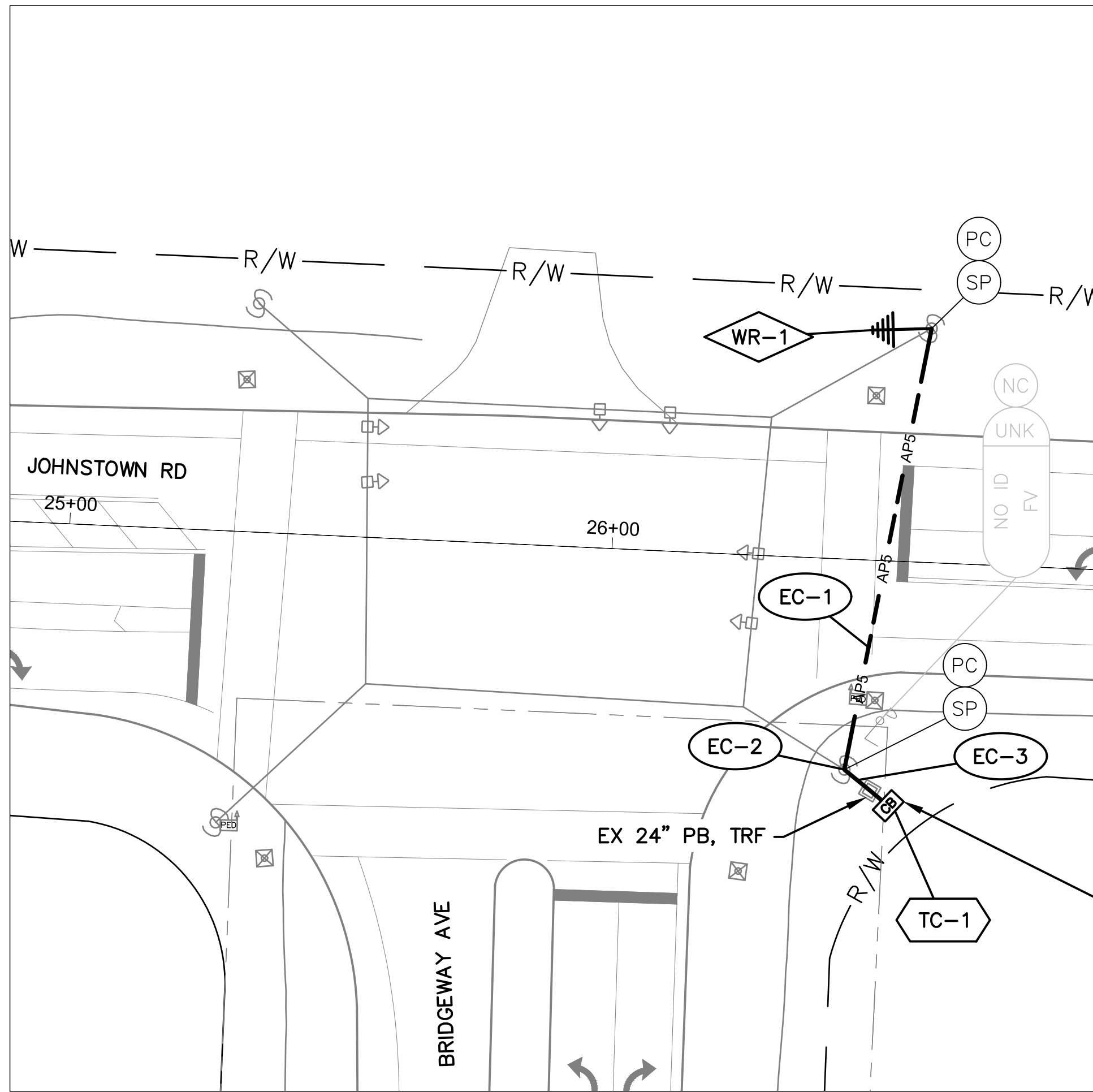
STELZER RD BTW STA. 72+00 & 104+50  
INTS 3297, SIG4295

CIP: 540007-100006  
PID NUMBER: 82573

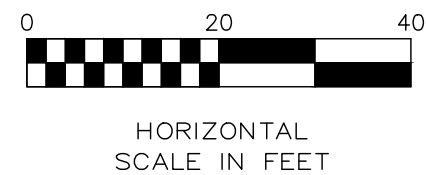
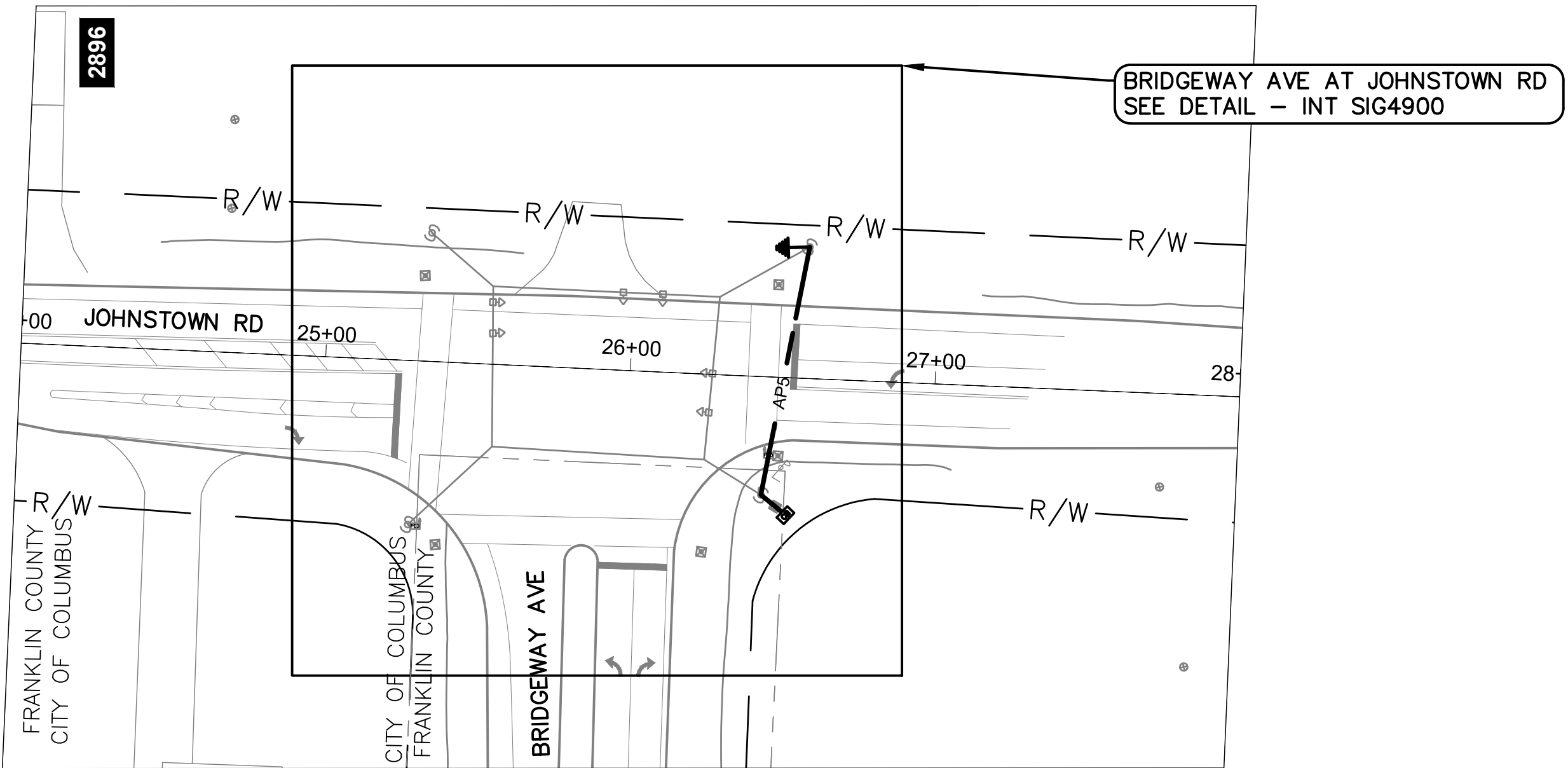
227  
1000



J:\Jobs\60135\TCHPRD0\Sheets\CTSS\PHD\_Trunk2\_JOHNSTOWN\_INTERCONNECT.dwg -- JOHNSTOWN-3 layout -- last saved by: gburch 08/10/2016 01:36pm -- printed 03/18/2020 06:52pm



DETAIL - INT SIG4900



JOHNSTOWN RD BETWEEN STATION 24+00 AND 28+00

PROPOSED WIRELESS  
SEE SHEET 224  
INT SIG4295 -  
JOHNSTOWN ROAD AT  
STELZER ROAD

INT SIG4900 WITH  
EXISTING SIGNAL  
CONTROLLER

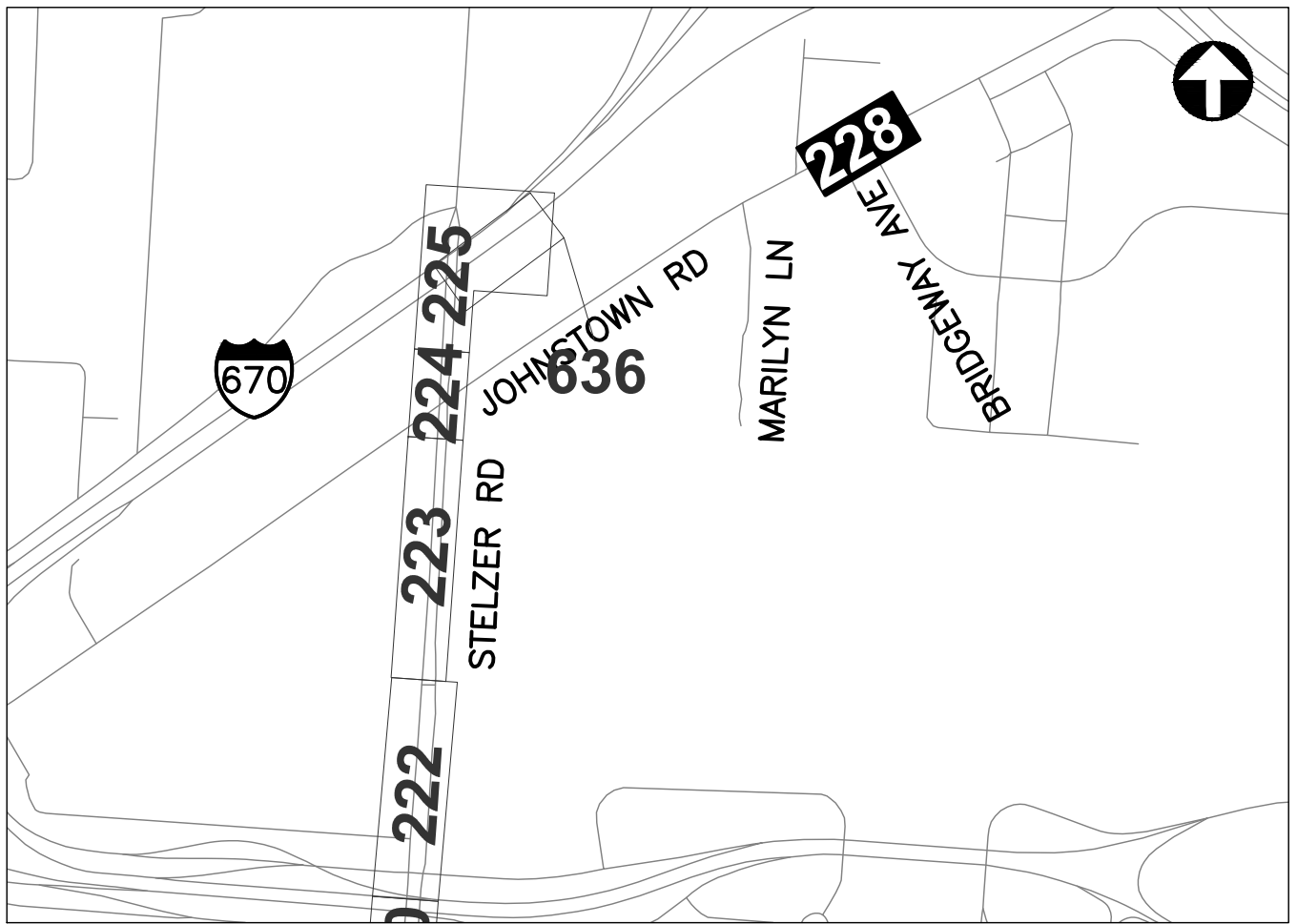
NOTES:

1. SEE SHEET 229 FOR QUANTITIES.
2. SEE SHEETS 681 & 901 FOR COMMUNICATION DETAILS.



CITY OF COLUMBUS  
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

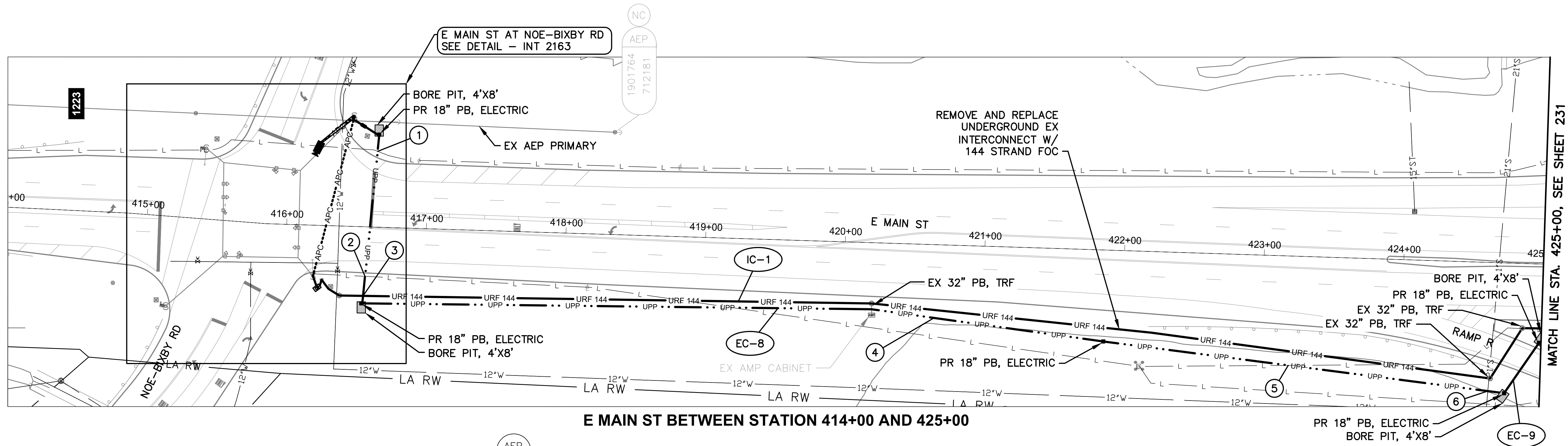
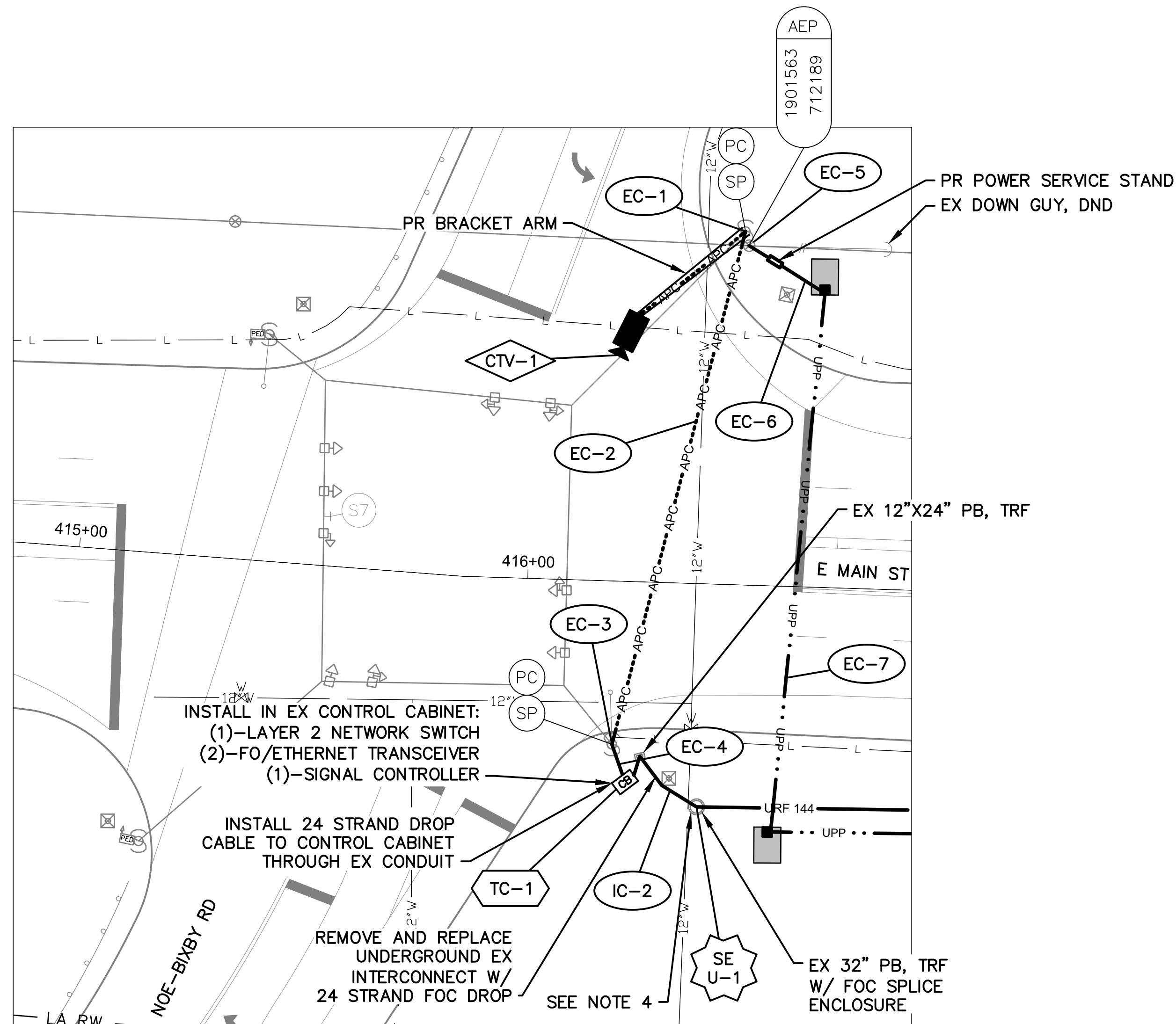
KEY PLAN  
NOT TO SCALE



**QUANTITIES WERE USED FOR  
DEVELOPING CONSTRUCTION COST  
ESTIMATES ONLY AND WERE NOT  
REVISED TO REFLECT CHANGES MADE  
DURING CONSTRUCTION.**



J:\Jobs\60135\TCHPRD00\Sheets\CTSS\_PHD\_Trunk2\_MAIN2\_INTERCONNECT.dwg -- MAIN-16 layout -- last saved by: jbeans 03/18/2020 03:30pm -- printed 03/18/2020 06:55pm

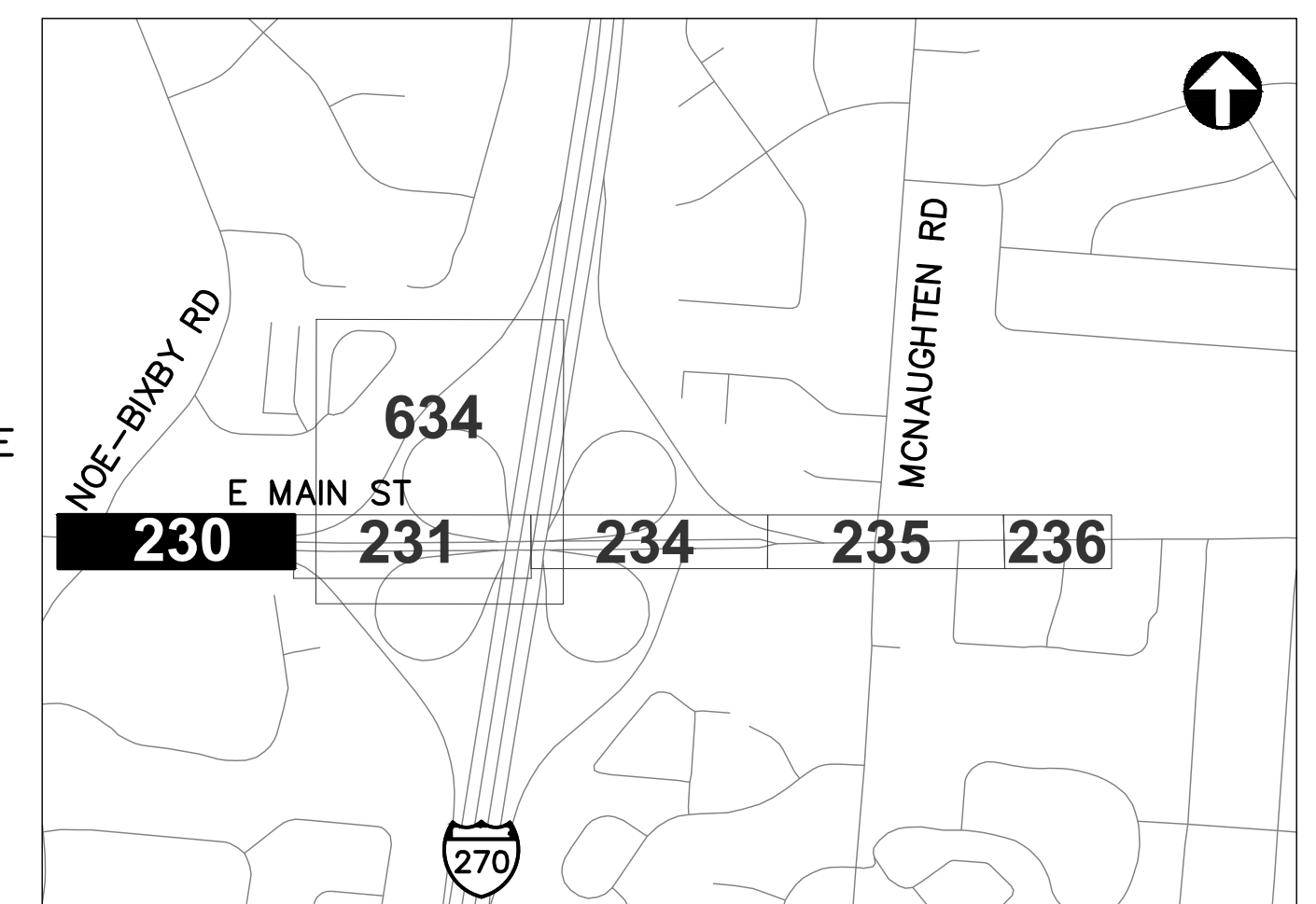


**NOTES:**

1. SEE SHEETS 232 & 233 FOR QUANTITIES.
  2. SEE SHEETS 679 & 906 FOR COMMUNICATION DETAILS.
  3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE THE EXTENT OF VIEW.
  4. TIE-IN POINT FOR CITY OF WHITEHALL SIGNAL INTERCONNECT IMPROVEMENT PROJECT.
- # EXISTING UTILITY CROSSING.  
SEE UTILITY CROSSING INFO  
SHEET 14.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input checked="" type="checkbox"/> | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input type="checkbox"/>            | LIGHTING |



REFER TO SHEET 8 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E MAIN ST BETWEEN STA. 414+00 AND 425+00, INT 2163

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

**230**  
**1000**

**3150-E**







CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D – CONSTRUCTION AS-BUILT



J:\Jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_Trunk2.MAIN\_IC\_QUANTITIES.dwg -- MAIN-QSS layout -- last saved by: gburch 07/29/2016 03:13pm ~ printed 03/18/2020 06:57pm

| ESTIMATED QUANTITIES                                                                           |               |          |                |                |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|------------------------------------------------------------------------------------------------|---------------|----------|----------------|----------------|------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| SHEET NO.                                                                                      | REFERENCE NO. | LOCATION | STATION        |                | 632                                            | 633                                                                            | 633                                                   | 633                                                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|                                                                                                |               |          | FROM           | TO             | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| E MAIN ST. BETWEEN STA. 414+00 AND 425+00, INT 2163                                            |               |          |                |                |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | EC-2          | MAIN ST  | 416+19, 36' RT | 416+23, 59' LT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | EC-3          | MAIN ST  | 416+19, 36' RT |                |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | EC-4          | MAIN ST  | 416+19, 36' RT | 416+23, 45' RT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | TC-1          | MAIN ST  | 416+23, 45' RT |                |                                                | 2                                                                              | 1                                                     | 1                                                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | IC-2          | MAIN ST  | 416+23, 45' RT | 416+39, 50' RT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | CTV-1         | MAIN ST  | 416+23, 59' LT |                | 1                                              |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | SE U-1        | MAIN ST  | 416+39, 50' RT |                |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | IC-1          | MAIN ST  | 416+39, 50' RT | 425+00, 46' RT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | EC-1          | MAIN ST  | 416+46, 79' LT |                |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | EC-5          | MAIN ST  | 416+47, 76' LT |                |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | EC-6          | MAIN ST  | 416+47, 76' LT | 416+59, 76' RT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | EC-7          | MAIN ST  | 416+47, 76' LT | 416+59, 76' RT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | EC-8          | MAIN ST  | 416+57, 00' RT | 424+75, 93' RT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 230                                                                                            | EC-9          | MAIN ST  | 424+75, 93' RT | 425+00, 56' RT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| E MAIN ST. BETWEEN STA. 425+00 AND 436+00, INT 2163                                            |               |          |                |                |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 231                                                                                            | IC-1          | MAIN ST  | 425+00, 46' RT | 425+70, 83' RT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 231                                                                                            | EC-1          | MAIN ST  | 425+00, 56' RT | 425+06, 53' RT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 231                                                                                            | EC-2          | MAIN ST  | 428+06, 53' RT | 428+06, 71' RT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 231                                                                                            | EC-3          | MAIN ST  | 428+06, 71' RT | 428+06, 83' RT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 231                                                                                            | IC-2          | MAIN ST  | 430+70, 53' RT |                |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 231                                                                                            | IC-3          | MAIN ST  | 430+70, 53' RT | 436+00, 83' RT |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| SHEET TOTAL                                                                                    |               |          |                |                | 1                                              | 2                                                                              | 1                                                     | 1                                                                     | - | - | - | - | - | - | - | - | - | - | - | - | - | - |  |
| AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS. |               |          |                |                |                                                |                                                                                |                                                       |                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.

CP: 540007-100006  
PID NUMBER: 82573

MAIN ST BETWEEN STA. 414+00 & 436+00  
INT 2163

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

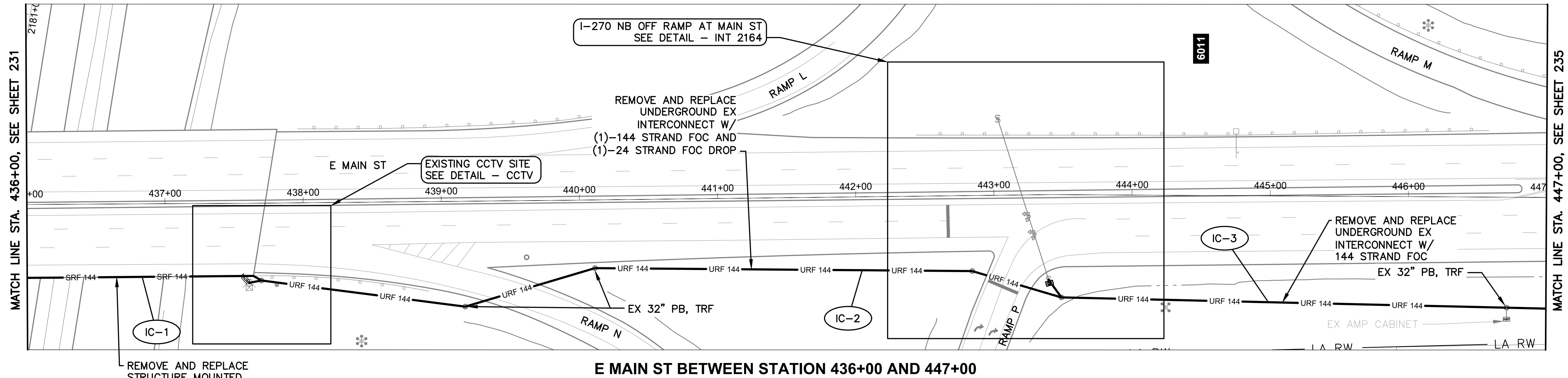
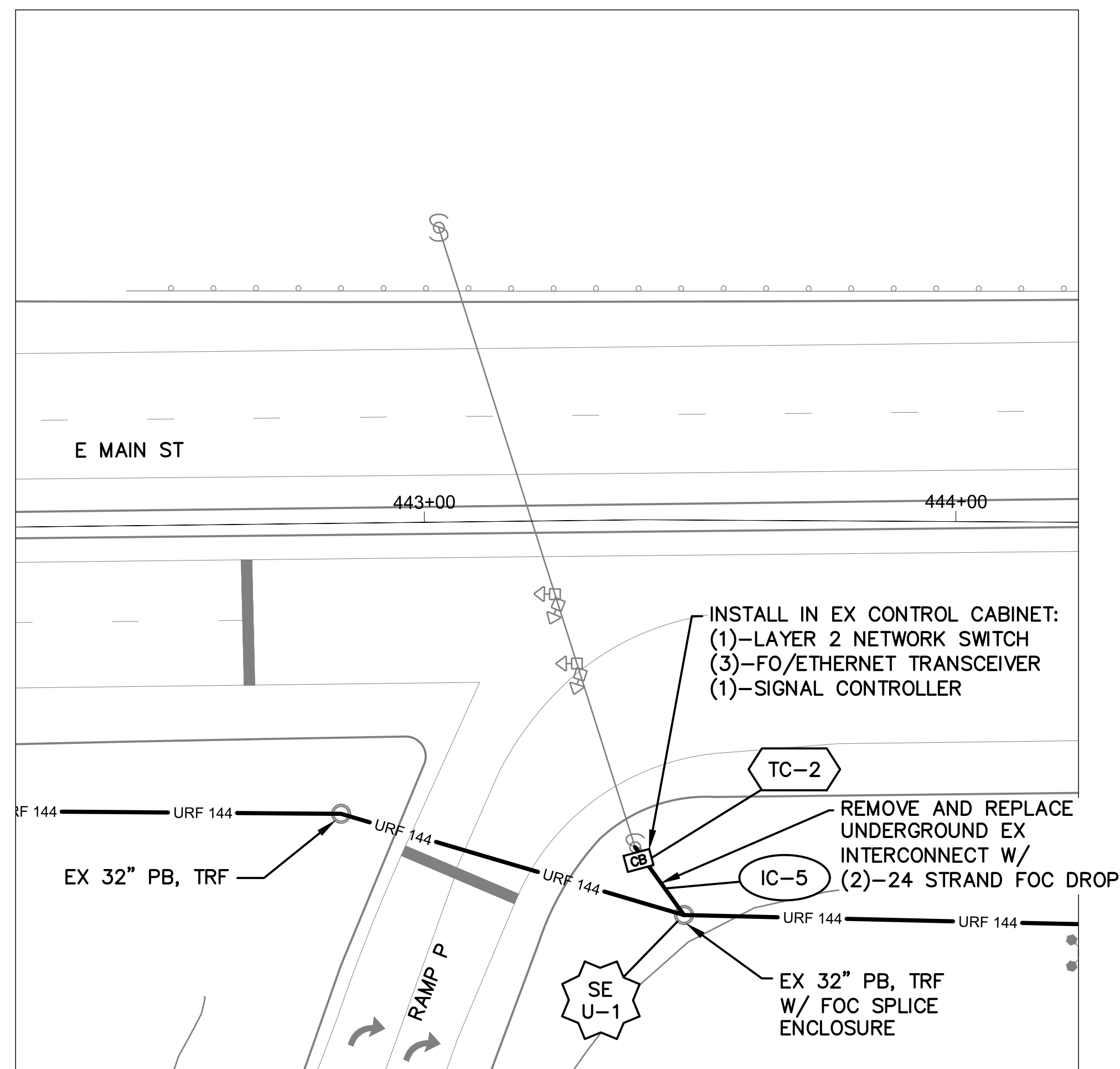
233  
1000

3150-E

QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.

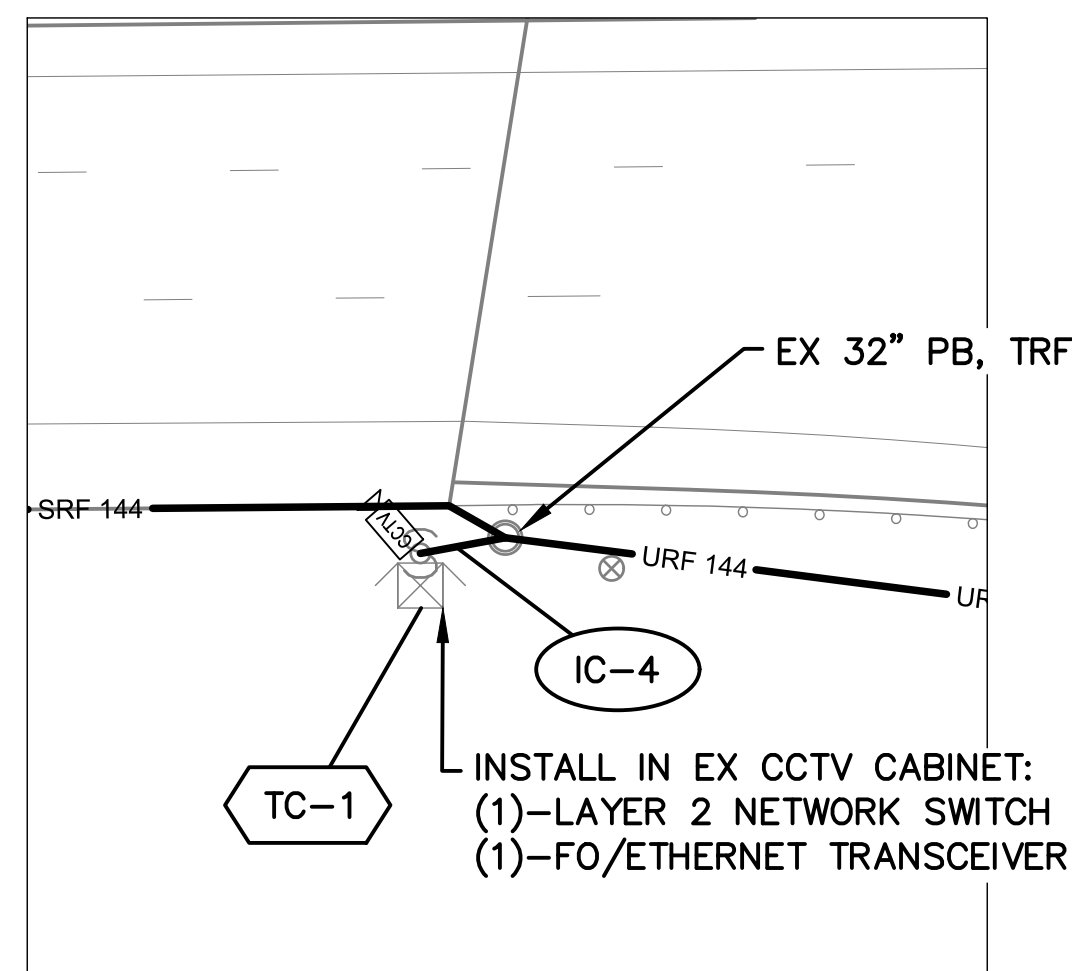


J:\Jobs\60135\TCHP\PROJ\Sheets\CTSS\_PHD\_Trunk2\_MAIN2\_INTERCONNECT.dwg -- MAIN-18 layout -- last saved by: jbeans 03/18/2020 03:30pm -- printed 03/18/2020 07:01pm



DETAIL - INT 2164

0 20 40  
HORIZONTAL  
SCALE IN FEET



DETAIL - CCTV

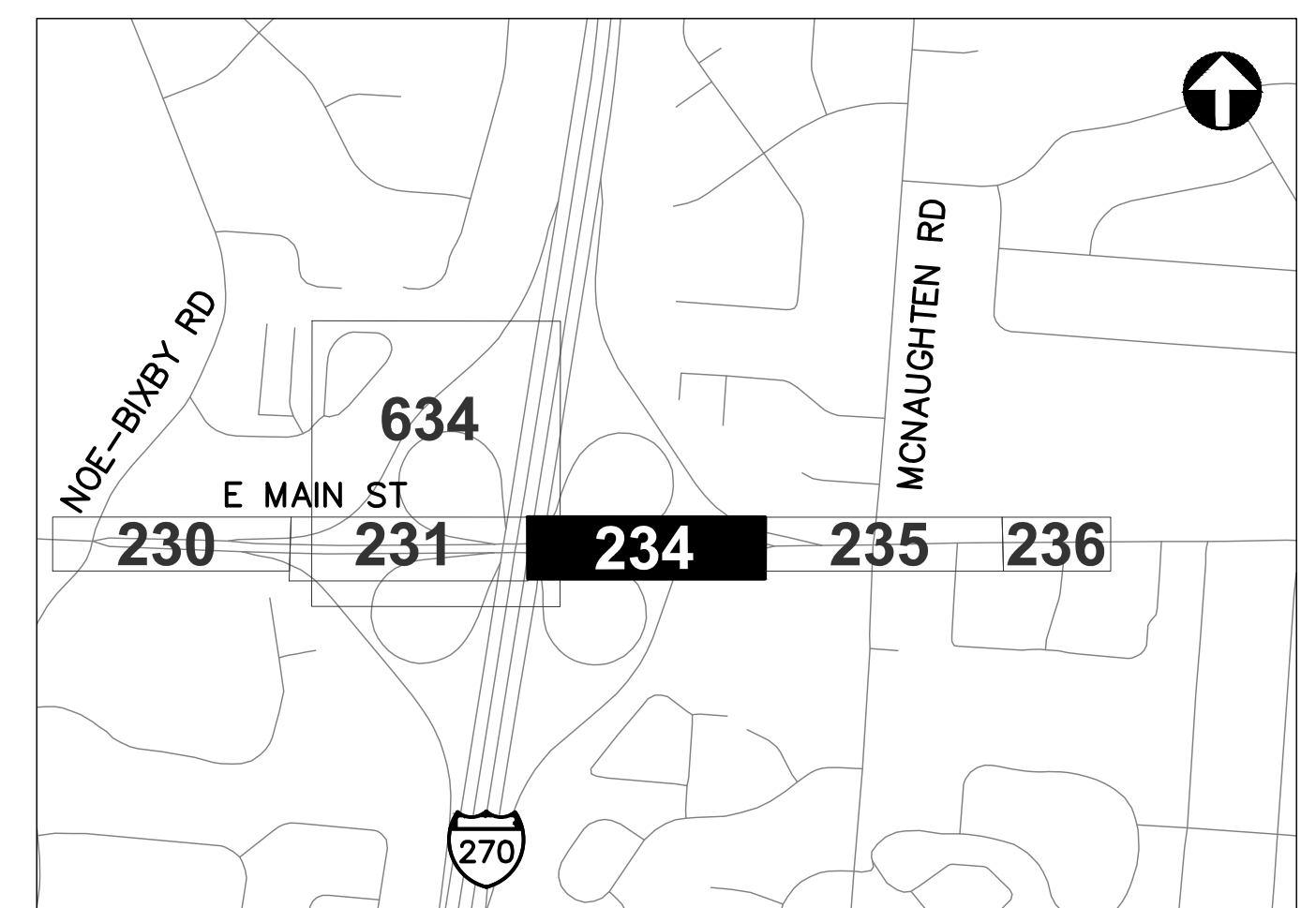
0 20 40  
HORIZONTAL  
SCALE IN FEET

NOTES:

1. SEE SHEET 237 FOR QUANTITIES.
2. SEE SHEETS 679 & 907 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- SEWER
  - WATER
  - POWER
  - LIGHTING

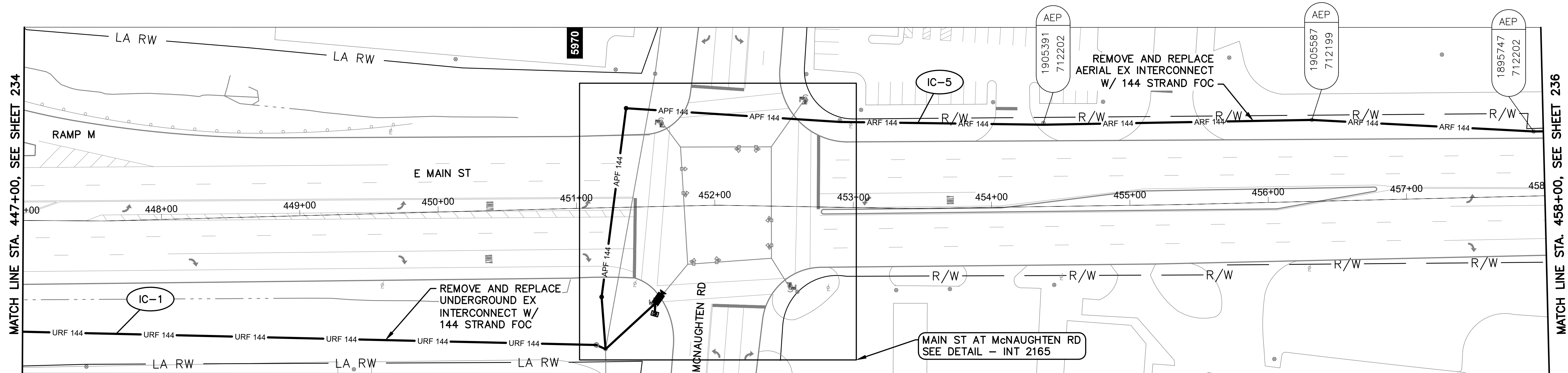


REFER TO SHEET 8 FOR  
INTERCONNECT SHEET INDEX

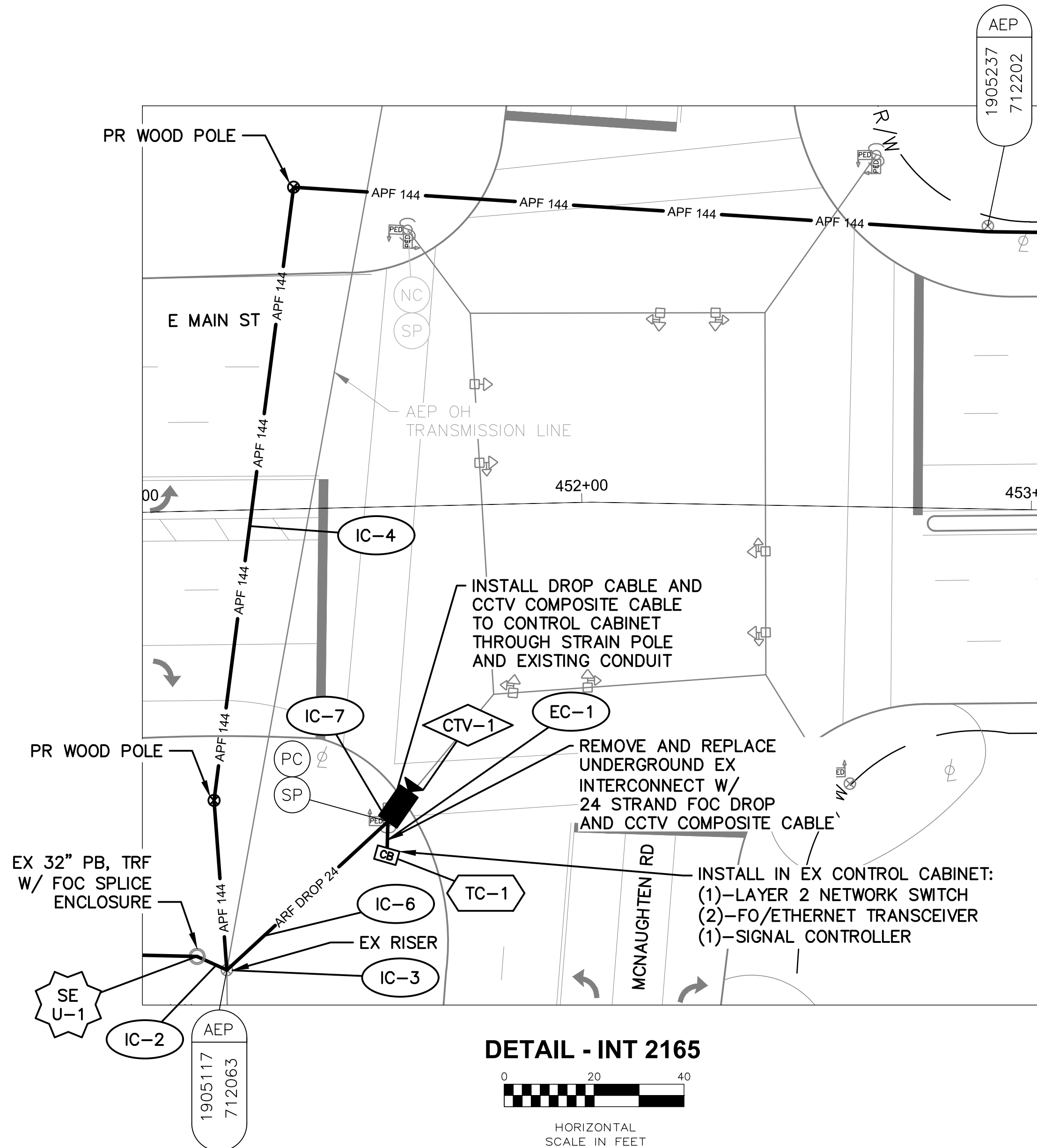
KEY PLAN  
NOT TO SCALE



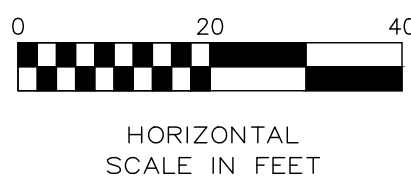
J:\Jobs\60135\TCHP\PROJ\Sheets\CTSS\_P\HD\_Trunk2\_MAIN2\_INTERCONNECT.dwg -- MAIN-19 layout -- last saved by: jbeans 03/18/2020 03:30pm -- printed 03/18/2020 07:03pm



E MAIN ST BETWEEN STATION 447+00 AND 458+00



DETAIL - INT 2165



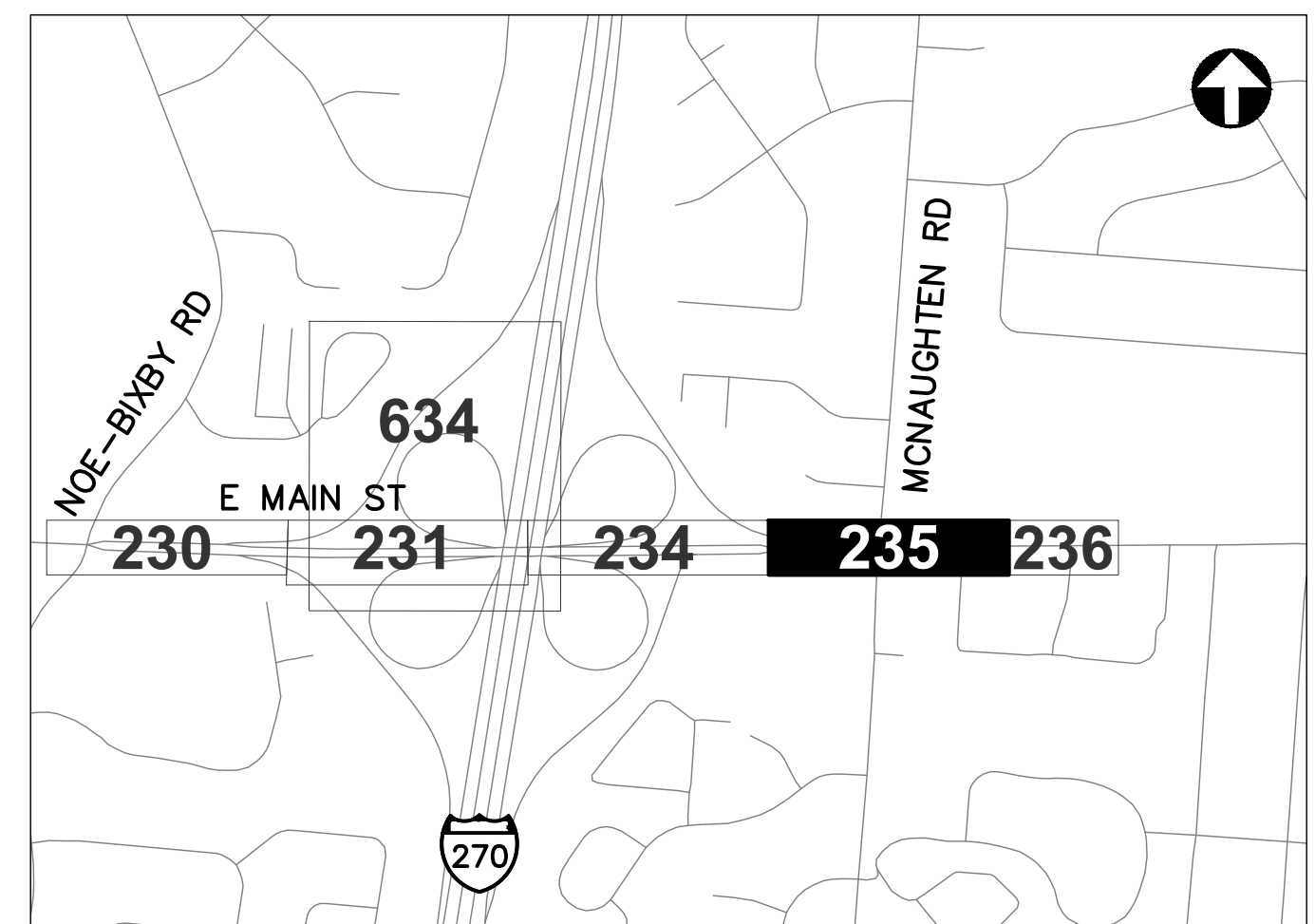
NOTES:

1. SEE SHEET 237 FOR QUANTITIES.
2. SEE SHEETS 679 & 908 FOR COMMUNICATION DETAILS.



CITY OF COLUMBUS  
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E MAIN ST BETWEEN STA. 447+00 AND 458+00, INT 2165

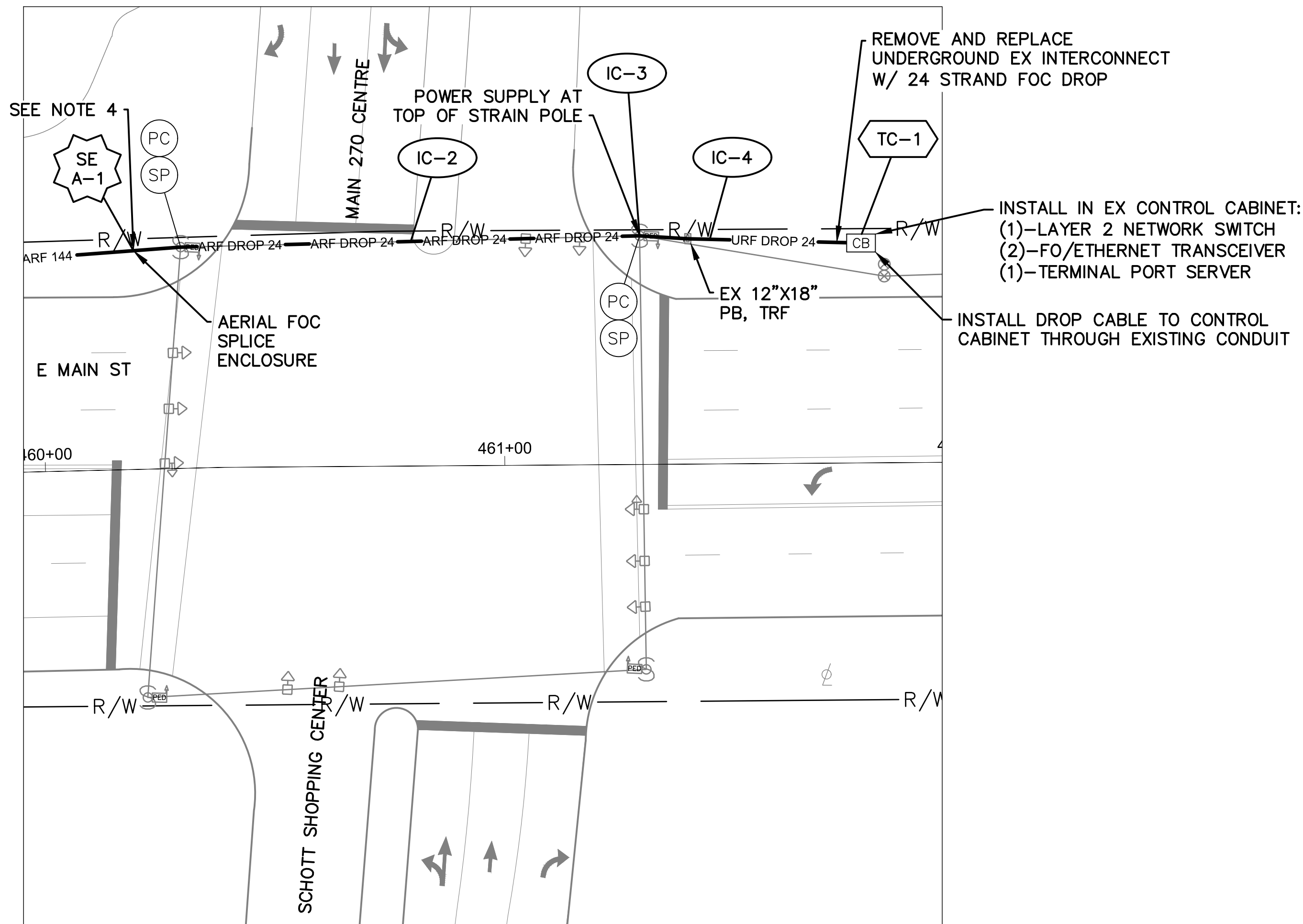
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

235  
1000

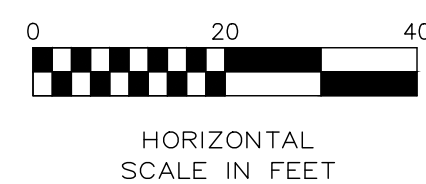
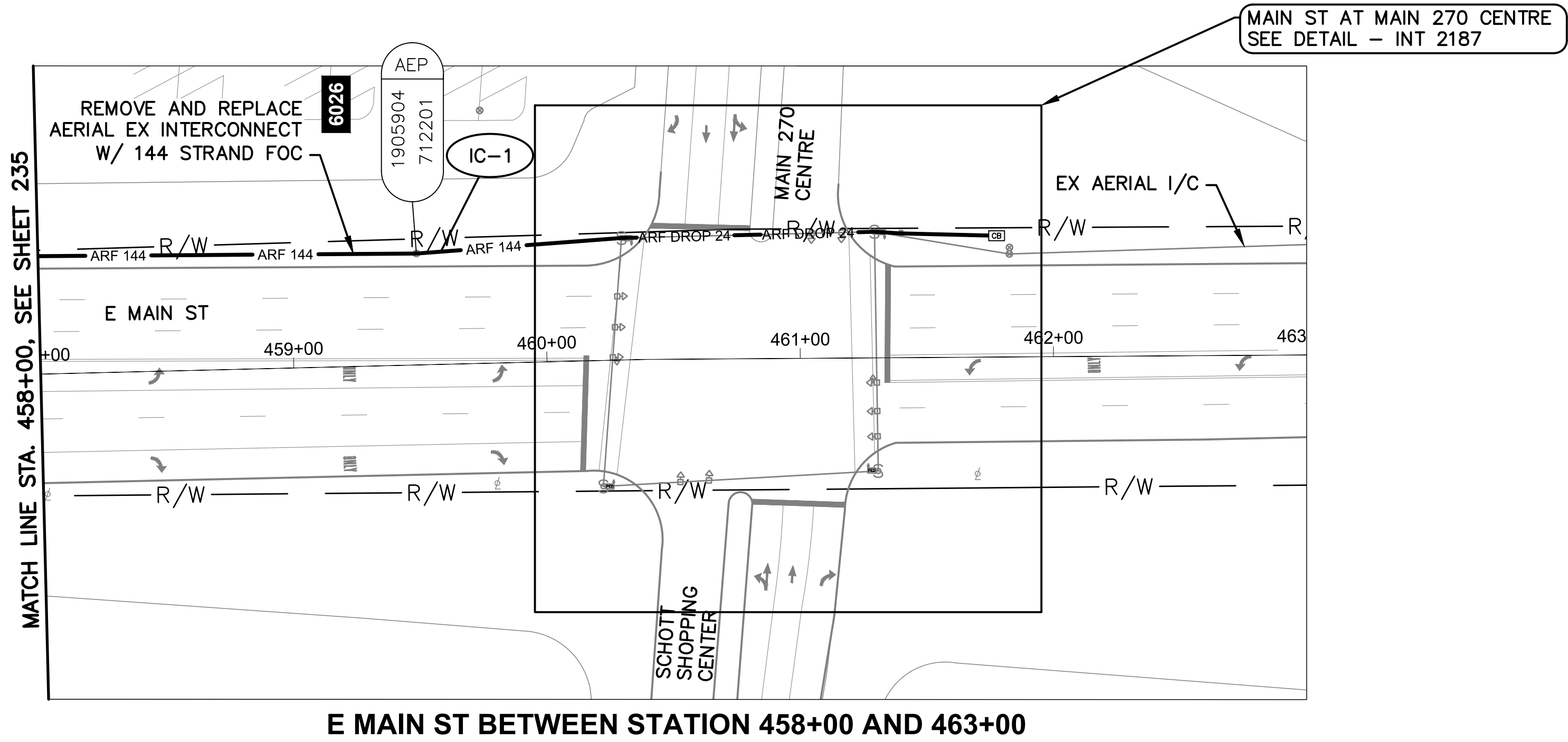
3150-E



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DETAIL - INT 2187



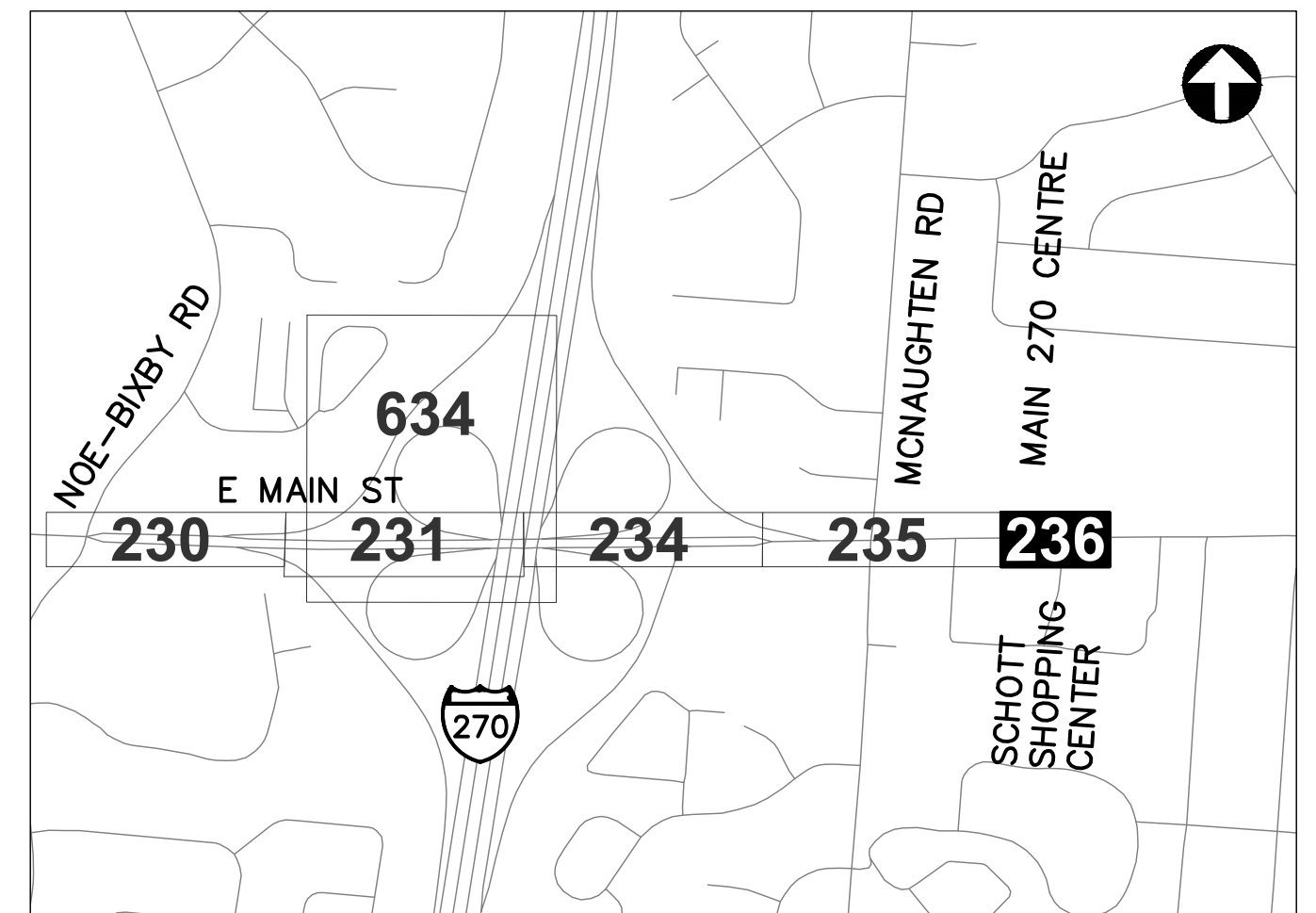
E MAIN ST BETWEEN STATION 458+00 AND 463+00

NOTES:

1. SEE SHEET 237 FOR QUANTITIES.
2. SEE SHEETS 679 & 909 FOR COMMUNICATION DETAILS.
3. SEE SHEET 48 FOR INTERCEPTING EXISTING CONDUIT DETAILS.
4. TIE-IN POINT FOR CITY OF REYNOLDSBURG SIGNAL INTERCONNECT IMPROVEMENT PROJECT.



| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |



REFER TO SHEET 8 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



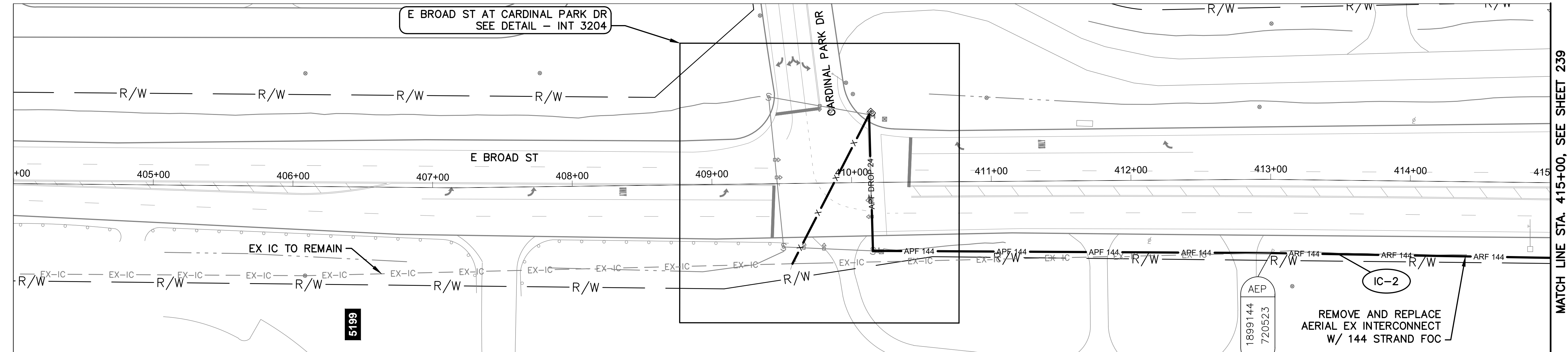


J:\Jobs\60135\TCIPROD\Sheets\CTSS\_Phd\_Trunk2.MAIN\_IC-QUANTITIES.dwg -- MAIN-06 layout -- last saved by: gburch 07/29/2016 03:13pm -- printed 03/18/2020 07:05pm

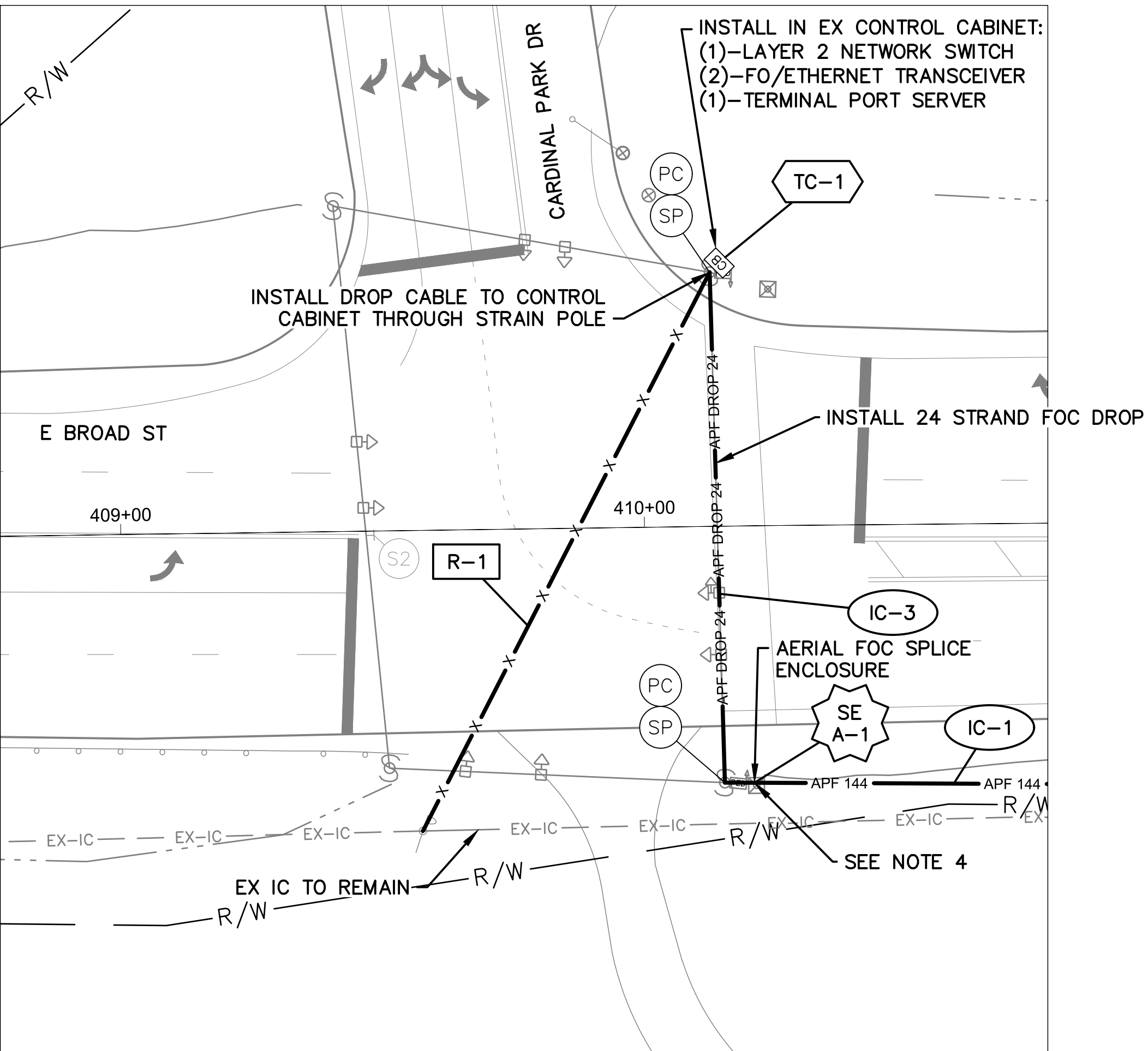
| ESTIMATED QUANTITIES                                |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|-----------------------------------------------------|---------------|----------|-----------------|-----------------|------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------|------|------|--|--|--|
| SHEET NO.                                           | REFERENCE NO. | LOCATION | STATION         |                 | 202                                      | 632                                                            | 632                                                           | 632                                                        | 632                                                                       | 632                                                                | 632                                                                            | 632                                                                            | 632                                                                            | 632                                           | 632                                            | 633                                                                           | 633                                                   | 633                                                | 633                                                                   |      |      |  |  |  |
|                                                     |               |          |                 |                 | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 24 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE | MESSANGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER ITEM,<br>MISC.: TERMINAL PORT<br>SERVER | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN |      |      |  |  |  |
|                                                     |               |          |                 |                 | FROM                                     | TO                                                             | FT                                                            | FT                                                         | FT                                                                        | EACH                                                               | FT                                                                             | EACH                                                                           | EACH                                                                           | EACH                                          | FT                                             | FT                                                                            | EACH                                                  | EACH                                               | EACH                                                                  | EACH | EACH |  |  |  |
| E MAIN ST. BETWEEN STA. 436+00 AND 447+00, INT 2164 |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 234                                                 | IC-1          | MAIN ST  | 436+00, 53' RT  | 437+69, 56' RT  | 158                                      | 158                                                            |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 234                                                 | TC-1          | MAIN ST  | 437+61, 58' RT  |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                | 45                                            |                                                |                                                                               | 1                                                     | 1                                                  |                                                                       |      |      |  |  |  |
| 234                                                 | IC-4          | MAIN ST  | 437+61, 58' RT  | 437+69, 56' RT  | 9                                        |                                                                |                                                               |                                                            |                                                                           |                                                                    | 1                                                                              |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 234                                                 | IC-2          | MAIN ST  | 437+69, 56' RT  | 443+49, 74' RT  | 597                                      | 597                                                            | 597                                                           |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 234                                                 | SE U-1        | MAIN ST  | 437+69, 56' RT  |                 |                                          | 150                                                            |                                                               | 12                                                         |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 234                                                 | TC-2          | MAIN ST  | 443+38, 62' RT  |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               | 3                                                     | 1                                                  |                                                                       | 1    |      |  |  |  |
| 234                                                 | IC-5          | MAIN ST  | 443+38, 62' RT  | 443+49, 74' RT  | 16                                       |                                                                |                                                               |                                                            |                                                                           |                                                                    | 2                                                                              |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 234                                                 | SE U-2        | MAIN ST  | 443+49, 74' RT  |                 |                                          | 150                                                            |                                                               | 36                                                         |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 234                                                 | IC-3          | MAIN ST  | 443+49, 74' RT  | 447+00, 80' RT  | 351                                      | 351                                                            |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| E MAIN ST. BETWEEN STA. 447+00 AND 458+00, INT 2165 |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 235                                                 | IC-1          | MAIN ST  | 447+00, 80' RT  | 451+12, 99' RT  | 415                                      | 415                                                            |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 235                                                 | SE U-1        | MAIN ST  | 451+12, 99' RT  |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 235                                                 | IC-2          | MAIN ST  | 451+12, 99' RT  | 451+18, 102' RT | 7                                        | 7                                                              |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 235                                                 | IC-7          | MAIN ST  | 451+12, 99' RT  | 451+54, 77' RT  |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                | 1                                                                              |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 235                                                 | IC-3          | MAIN ST  | 451+18, 102' RT |                 |                                          | 35                                                             |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 235                                                 | IC-4          | MAIN ST  | 451+18, 102' RT | 451+54, 77' RT  |                                          | 335                                                            |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 235                                                 | IC-6          | MAIN ST  | 451+18, 102' RT | 451+54, 77' RT  |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 235                                                 | TC-1          | MAIN ST  | 451+54, 77' RT  |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               | 40                                             |                                                                               | 2                                                     |                                                    |                                                                       |      |      |  |  |  |
| 235                                                 | EC-1          | MAIN ST  | 451+54, 77' RT  | 451+55, 70' RT  |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               | 7                                              |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 235                                                 | CTV-1         | MAIN ST  | 451+55, 70' RT  |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               | 35                                             | 1                                                                             |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 235                                                 | IC-5          | MAIN ST  | 452+89, 62' LT  | 458+00, 52' LT  |                                          | 517                                                            |                                                               |                                                            | 509                                                                       |                                                                    |                                                                                |                                                                                | 517                                                                            |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| E MAIN ST. BETWEEN STA. 458+00 AND 461+00, INT 2166 |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 236                                                 | IC-1          | MAIN ST  | 458+00, 52' LT  | 460+30, 51' LT  | 23                                       |                                                                |                                                               |                                                            | 231                                                                       |                                                                    |                                                                                |                                                                                | 34                                                                             |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 236                                                 | SE A-1        | MAIN ST  | 460+30, 51' LT  |                 |                                          | 75                                                             |                                                               | 12                                                         |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 236                                                 | IC-2          | MAIN ST  | 460+30, 51' LT  | 461+29, 51' LT  |                                          |                                                                |                                                               |                                                            | 100                                                                       |                                                                    |                                                                                |                                                                                | 102                                                                            |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 236                                                 | IC-3          | MAIN ST  | 460+30, 51' LT  | 461+29, 51' LT  |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 236                                                 | IC-4          | MAIN ST  | 461+29, 51' LT  | 461+77, 48' LT  | 49                                       |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
| 236                                                 | TC-1          | MAIN ST  | 461+77, 48' LT  |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                | 2                                                                             | 1                                                     |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |
|                                                     |               |          |                 |                 |                                          |                                                                |                                                               |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                               |                                                |                                                                               |                                                       |                                                    |                                                                       |      |      |  |  |  |



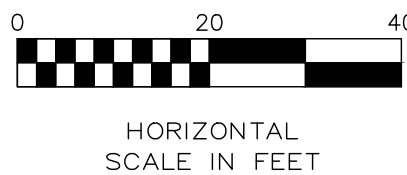
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E BROAD ST BETWEEN STATION 404+00 AND 415+00



DETAIL - INT 3204



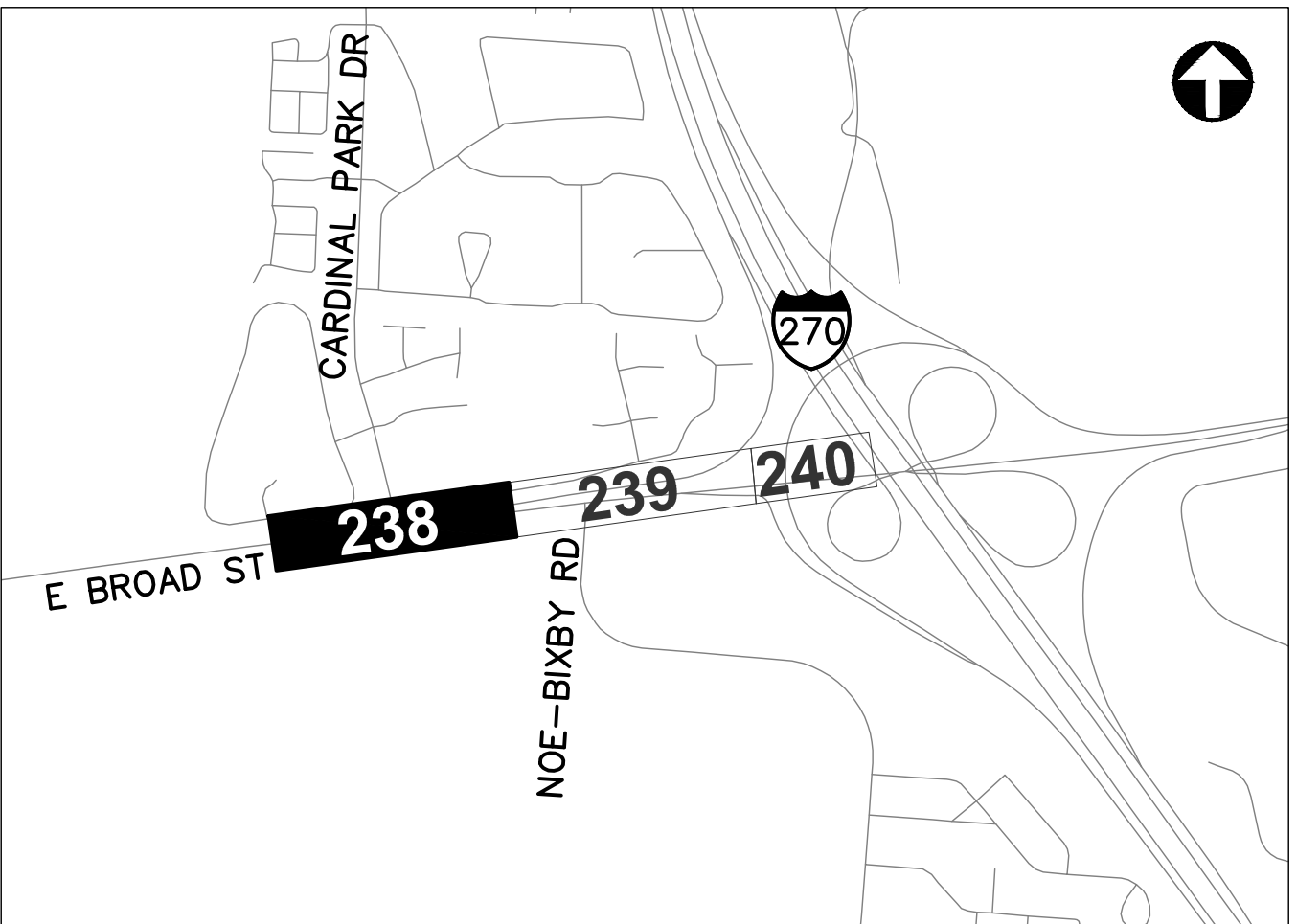
NOTES:

1. SEE SHEET 241 FOR QUANTITIES.
2. SEE SHEETS 679 & 904 FOR COMMUNICATION DETAILS.
3. PROPOSED IC ATTACHMENT ON SEC AND NEC STRAIN POLES SHALL BE ABOVE SIGNAL SPAN.
4. TIE-IN FOR CITY OF WHITEHALL SIGNAL INTERCONNECT IMPROVEMENT PROJECT.



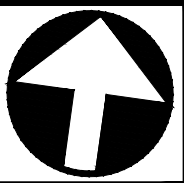
CITY OF COLUMBUS  
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E BROAD ST BETWEEN STA. 404+00 AND 415+00, INT 3204

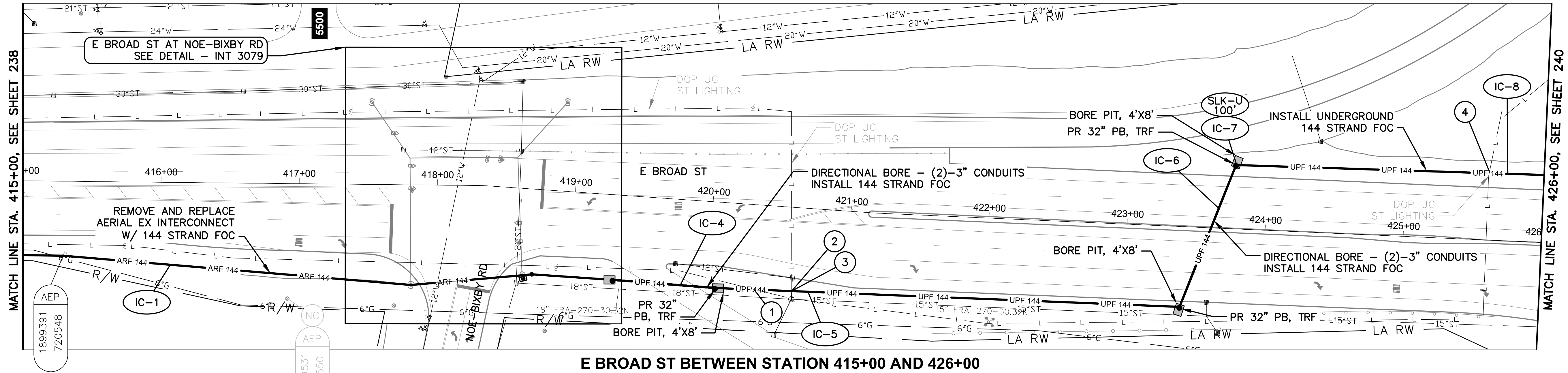
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

238  
1000

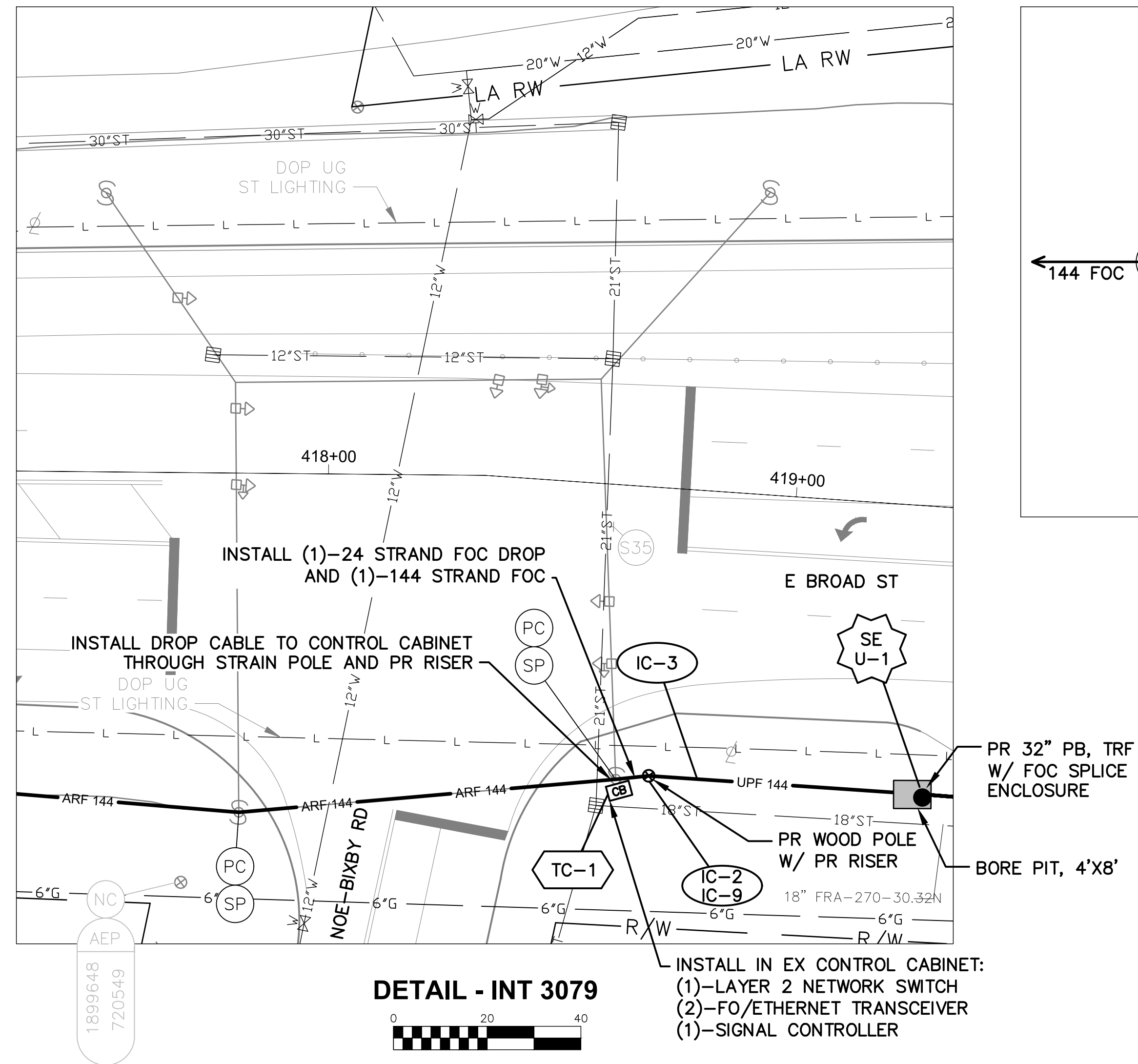
3150-E



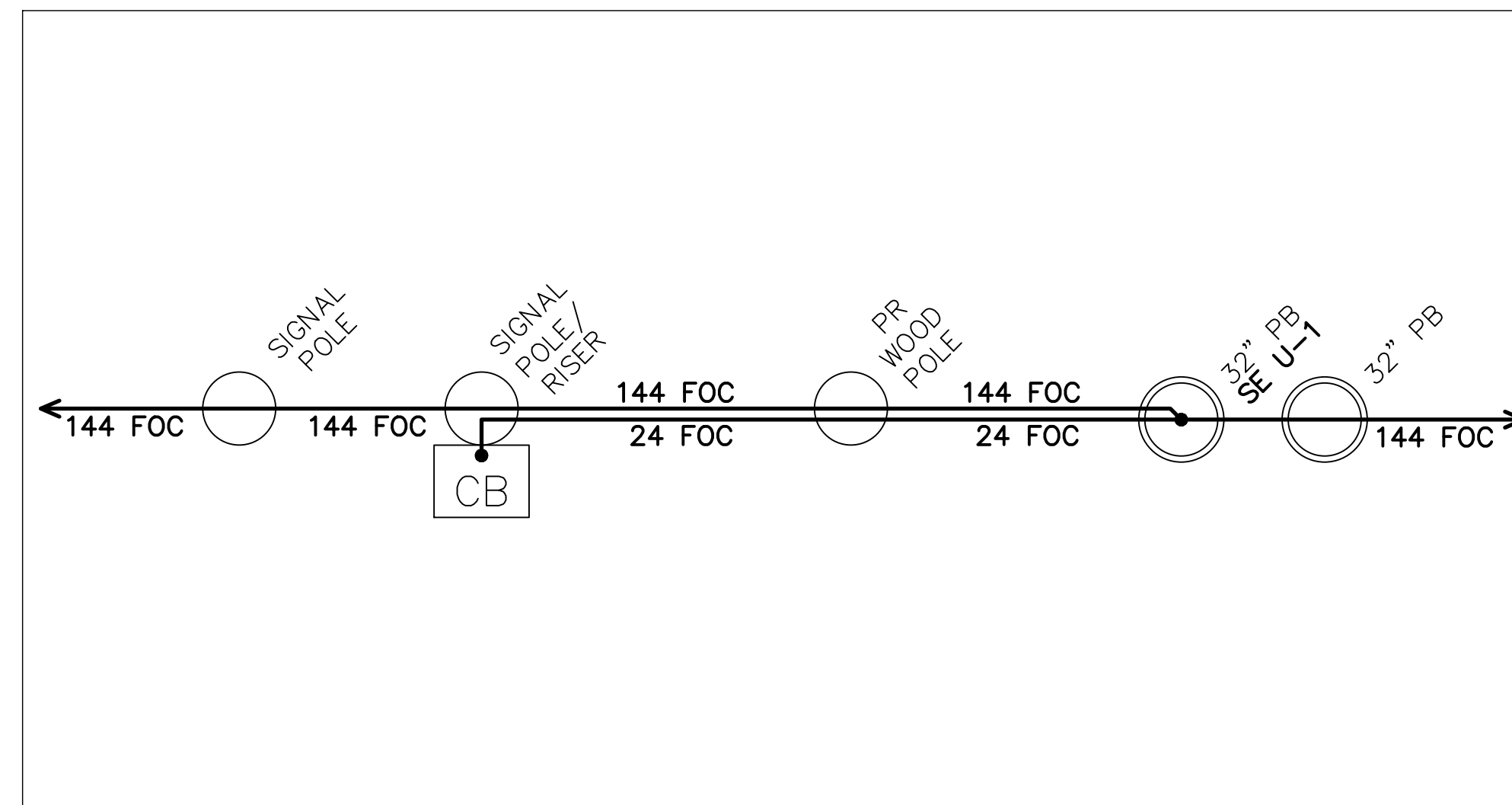
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E BROAD ST BETWEEN STATION 415+00 AND 426+00



DETAIL - INT 3079



CABLE SCHEMATIC - INT 3079  
NOT TO SCALE

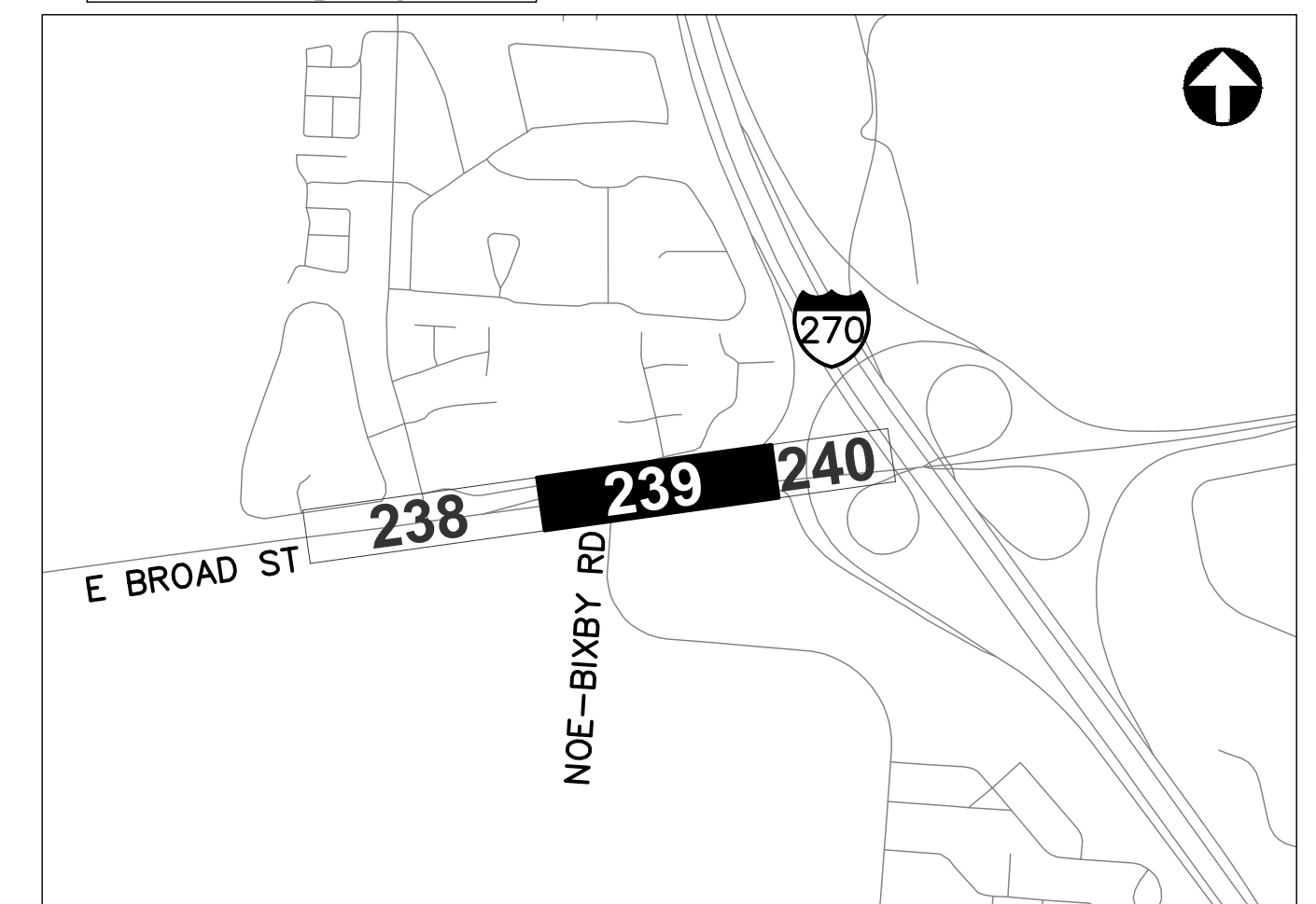
NOTES:

1. SEE SHEET 241 FOR QUANTITIES.
2. SEE SHEETS 679 & 905 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

# EXISTING UTILITY CROSSING.  
SEE UTILITY CROSSING INFO  
SHEET 14.

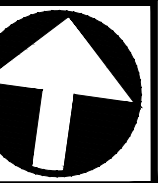


| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
|                                    | SEWER    |
|                                    | WATER    |
|                                    | POWER    |
|                                    | LIGHTING |



REFER TO SHEET 8 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



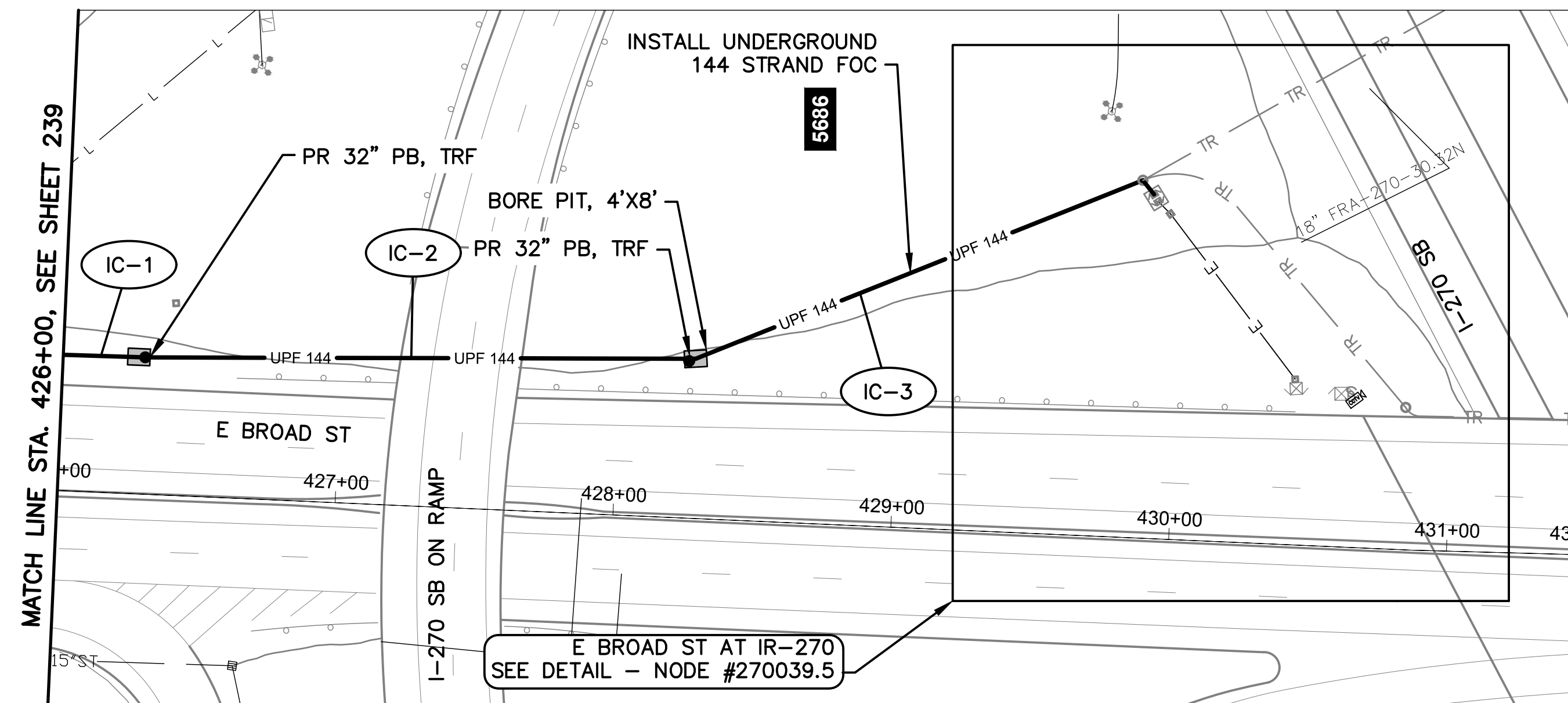
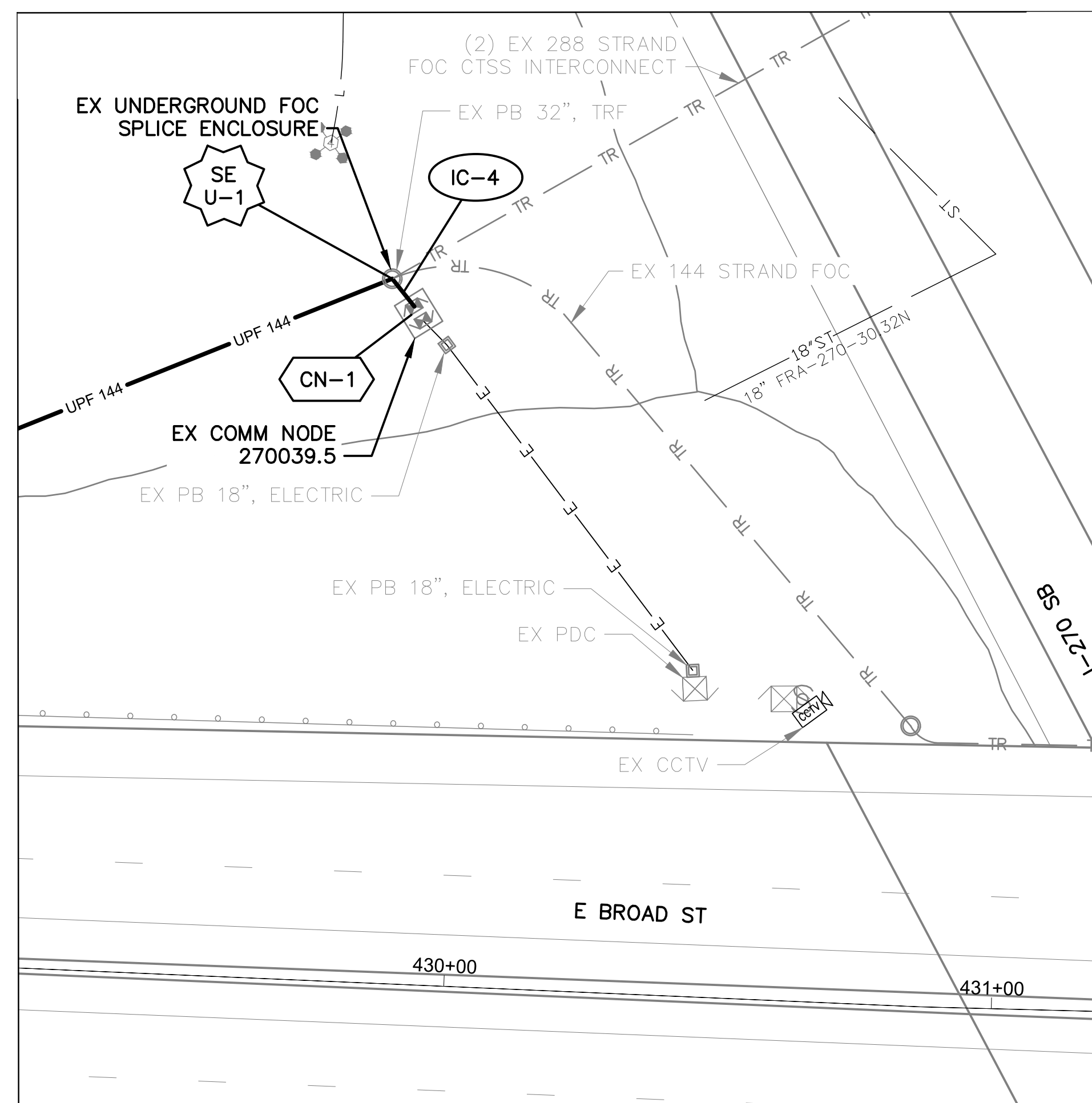
CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
E BROAD ST BETWEEN STA. 415+00 AND 426+00, INT 3079

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

239  
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NOTES:

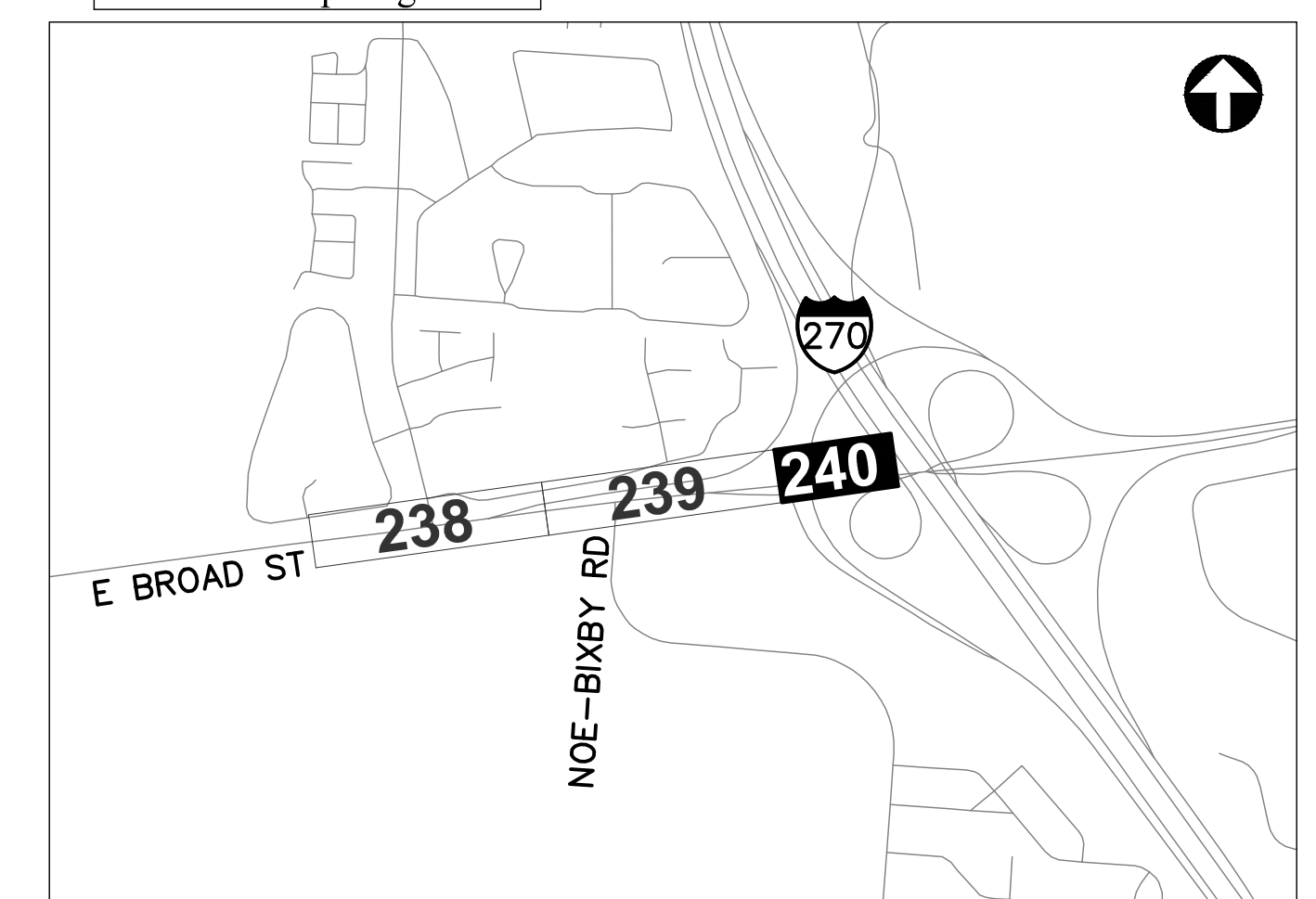
1. SEE SHEET 241 FOR QUANTITIES.
2. SEE SHEET 679, 991, & 992 FOR COMMUNICATION DETAILS.



**CITY OF COLUMBUS  
UTILITY LEGEND**

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☐ SEWER  
☐ WATER  
☐ POWER  
☐ LIGHTING





J:\Jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_Trunk2\_BROAD\_IC\_QUANTITIES.dwg -- BROAD-05 layout -- last saved by: gburch 07/29/2016 03:14pm -- printed 03/19/2020 07:09pm

| ESTIMATED QUANTITIES                                       |               |          |                 |                 |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
|------------------------------------------------------------|---------------|----------|-----------------|-----------------|------------------------------------------|-----------------------------|---------------------------------------------------|----------------------------------------|----------------------------------|-------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------|---|---|
| SHEET NO.                                                  | REFERENCE NO. | LOCATION | STATION         |                 | 202                                      | 625                         | 625                                               | 625                                    | 625                              | 632                                       | 632                                                            | 632                                                        | 632                                                                       | 632                                                                                    | 632                                                                | 632                                                                            | 632                                                                            | 633                          | 633                                                                            | 633                                                   | 633                                                |                                                                       |   |   |
|                                                            |               |          |                 |                 | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | CONDUIT, 4", AS PER<br>PLAN | CONDUIT, JACKED OR<br>DRILLED, 3", AS PER<br>PLAN | PULL BOX, CONCRETE<br>32", AS PER PLAN | TRENCH, 36" DEEP, AS<br>PER PLAN | CONDUIT RISER, 2",<br>725.04, AS PER PLAN | INTERCONNECT CABLE;<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE;<br>MISC.: FIBER OPTIC<br>FUSION SPLICE | INTERCONNECT CABLE;<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT | INTERCONNECT, MISC.:<br>PRE-TERMINATED FIBER<br>OPTIC DROP CABLE, 144<br>STRAND, 150FT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | WOOD POLE, CLASS 5, 35<br>FT | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER ITEM,<br>MISC.: TERMINAL PORT<br>SERVER | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN |   |   |
|                                                            |               |          | FROM            | TO              | FT                                       | FT                          | FT                                                | EACH                                   | FT                               | EACH                                      | FT                                                             | EACH                                                       | FT                                                                        | EACH                                                                                   | EACH                                                               | FT                                                                             | EACH                                                                           | EACH                         | EACH                                                                           | EACH                                                  | EACH                                               |                                                                       |   |   |
| E BROAD ST. BETWEEN STA. 404+00 AND 415+00, INT 3204       |               |          |                 |                 |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 238                                                        | R-1           | BROAD ST | 409+57, 57' RT  | 410+13, 49' LT  |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            | 120                                                                       |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 238                                                        | TC-1          | BROAD ST | 410+13, 49' LT  |                 |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                | 2                            | 1                                                                              | 1                                                     |                                                    |                                                                       |   |   |
| 238                                                        | IC-3          | BROAD ST | 410+13, 49' LT  | 410+14, 49' RT  |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                           |                                                                                        | 1                                                                  | 99                                                                             |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 238                                                        | SE A-1        | BROAD ST | 410+14, 49' RT  |                 |                                          |                             |                                                   |                                        |                                  |                                           | 75                                                             | 12                                                         |                                                                           |                                                                                        | 1                                                                  |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 238                                                        | IC-1          | BROAD ST | 410+14, 49' RT  | 413+00, 53' RT  |                                          |                             |                                                   |                                        |                                  |                                           | 289                                                            |                                                            |                                                                           |                                                                                        |                                                                    | 289                                                                            |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 238                                                        | IC-2          | BROAD ST | 413+00, 53' RT  | 415+00, 54' RT  |                                          |                             |                                                   |                                        |                                  |                                           | 203                                                            |                                                            | 200                                                                       |                                                                                        |                                                                    | 203                                                                            |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| E BROAD ST. BETWEEN STA. 415+00 AND 426+00, INT 3079       |               |          |                 |                 |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 239                                                        | IC-1          | BROAD ST | 415+00, 54' RT  | 418+72, 62' RT  |                                          |                             |                                                   |                                        |                                  |                                           | 375                                                            |                                                            | 369                                                                       |                                                                                        |                                                                    | 375                                                                            |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 239                                                        | TC-1          | BROAD ST | 418+65, 63' RT  |                 |                                          |                             |                                                   |                                        |                                  | 1                                         |                                                                |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                | 2                            | 1                                                                              |                                                       | 1                                                  |                                                                       |   |   |
| 239                                                        | IC-9          | BROAD ST | 418+65, 63' RT  | 419+31, 61' RT  |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                           |                                                                                        |                                                                    | 1                                                                              |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 239                                                        | IC-2          | BROAD ST | 418+72, 62' RT  |                 |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 239                                                        | IC-3          | BROAD ST | 418+72, 62' RT  | 419+31, 61' RT  |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 239                                                        | SE U-1        | BROAD ST | 419+31, 61' RT  |                 |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            | 24                                                                        |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 239                                                        | IC-4          | BROAD ST | 419+31, 61' RT  | 420+05, 62' RT  |                                          |                             | 148                                               |                                        | 1                                |                                           | 74                                                             |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 239                                                        | IC-5          | BROAD ST | 420+05, 62' RT  | 423+40, 58' RT  |                                          | 674                         |                                                   |                                        |                                  | 337                                       | 337                                                            |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 239                                                        | IC-6          | BROAD ST | 423+40, 58' RT  | 423+76, 46' LT  |                                          |                             | 220                                               |                                        | 1                                |                                           | 110                                                            |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 239                                                        | IC-7          | BROAD ST | 423+76, 46' LT  |                 |                                          |                             |                                                   |                                        | 1                                |                                           | 1                                                              |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 239                                                        | IC-8          | BROAD ST | 423+76, 46' LT  | 429+00, 59' LT  |                                          | 490                         |                                                   |                                        |                                  | 15                                        | 2                                                              |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| E BROAD ST. BETWEEN STA. 426+00 AND 431+50, NODE #270039.5 |               |          |                 |                 |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 240                                                        | IC-1          | BROAD ST | 426+00, 49' LT  | 427+05, 103' LT |                                          | 244                         |                                                   | 1                                      | 122                              |                                           | 122                                                            |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 240                                                        | IC-2          | BROAD ST | 427+05, 103' LT | 429+85, 124' LT |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 240                                                        | IC-3          | BROAD ST | 429+85, 124' LT |                 | 396                                      |                             |                                                   |                                        |                                  |                                           | 1                                                              |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 240                                                        | IC-4          | BROAD ST | 429+85, 124' LT | 429+89, 124' LT |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 240                                                        | SE U-1        | BROAD ST | 429+85, 124' LT |                 |                                          |                             |                                                   |                                        |                                  |                                           | 75                                                             | 144                                                        |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |   |   |
| 240                                                        | CN-1          | BROAD ST | 429+89, 124' LT |                 |                                          |                             |                                                   |                                        |                                  |                                           |                                                                |                                                            |                                                                           |                                                                                        |                                                                    |                                                                                |                                                                                | 2                            |                                                                                |                                                       |                                                    |                                                                       |   |   |
| SHEET TOTAL                                                |               |          |                 |                 | 6                                        | 1,922                       | 536                                               | 7                                      | 961                              | 2                                         | 2,531                                                          | 180                                                        | 689                                                                       | 1                                                                                      | 2                                                                  | 2                                                                              | 966                                                                            | 1                            | 6                                                                              | 2                                                     | 1                                                  | 1                                                                     | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

241

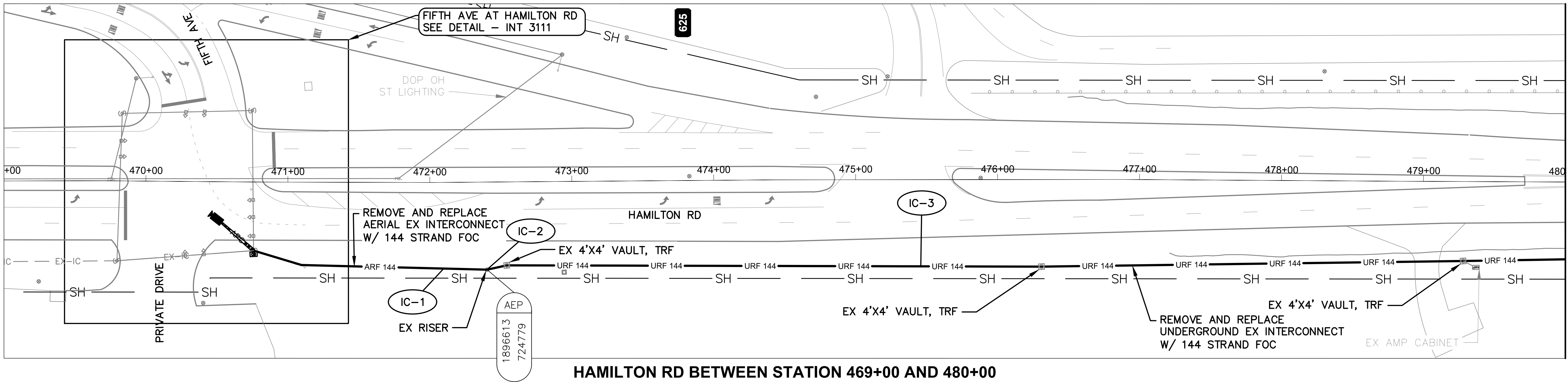
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BROAD ST BETWEEN STA. 404+00 & 431+50  
INTS 3204, 3079, NODE #270039.5

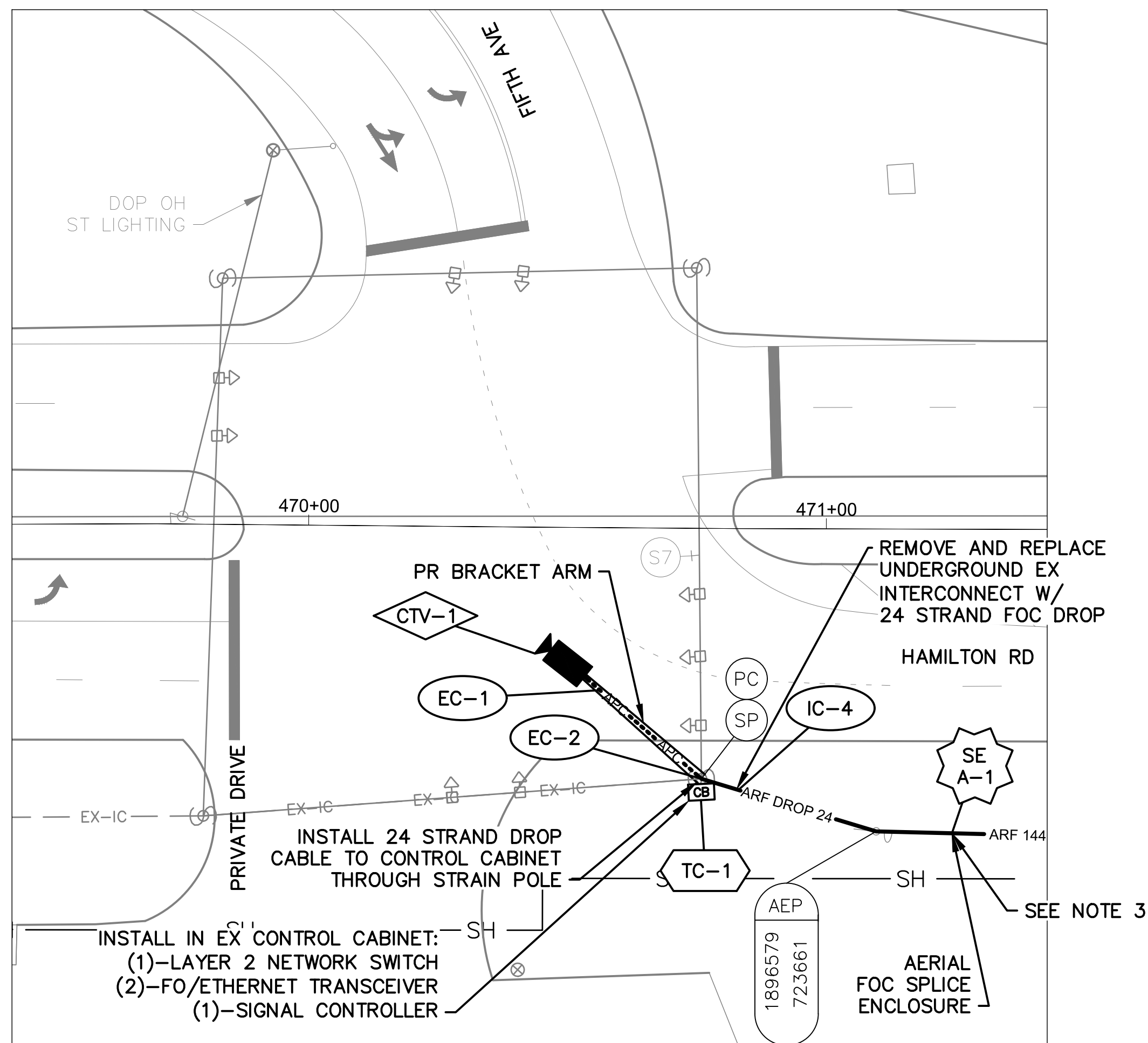
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PID NUMBER: 82573



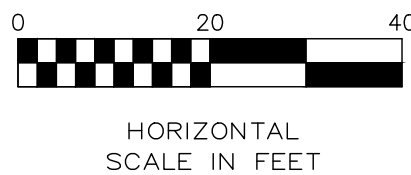
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HAMILTON RD BETWEEN STATION 469+00 AND 480+00



DETAIL - INT 3111

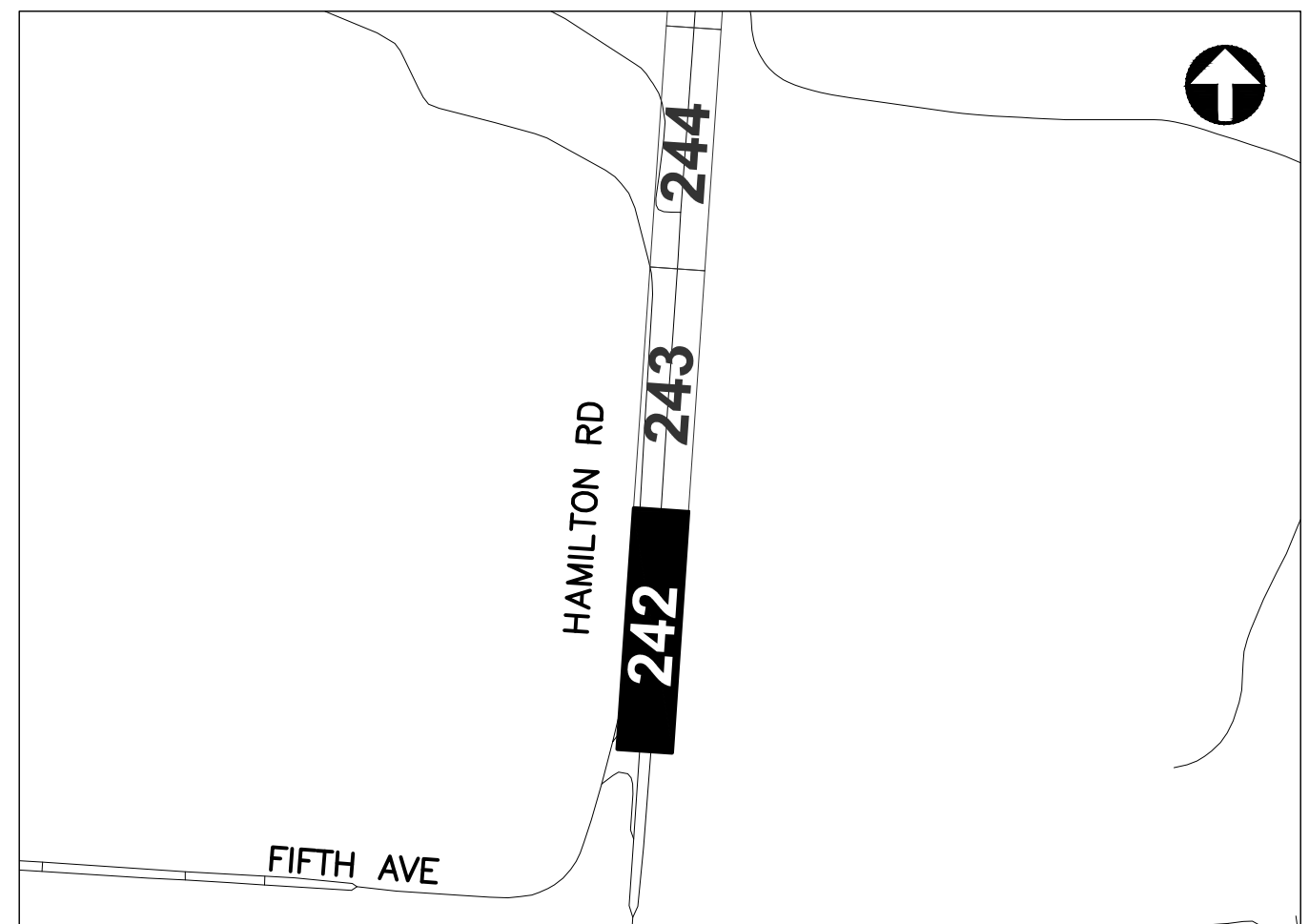


NOTES:

1. SEE SHEET 247 FOR QUANTITIES.
2. SEE SHEETS 679 & 902 FOR COMMUNICATION DETAILS.
3. TIE-IN LOCATION FOR CITY OF WHITEHALL SIGNAL INTERCONNECT IMPROVEMENT PROJECT.

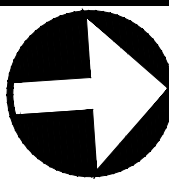


| CITY OF COLUMBUS UTILITY LEGEND     |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
HAMILTON RD BETWEEN STA. 469+00 AND 480+00, INT 3111

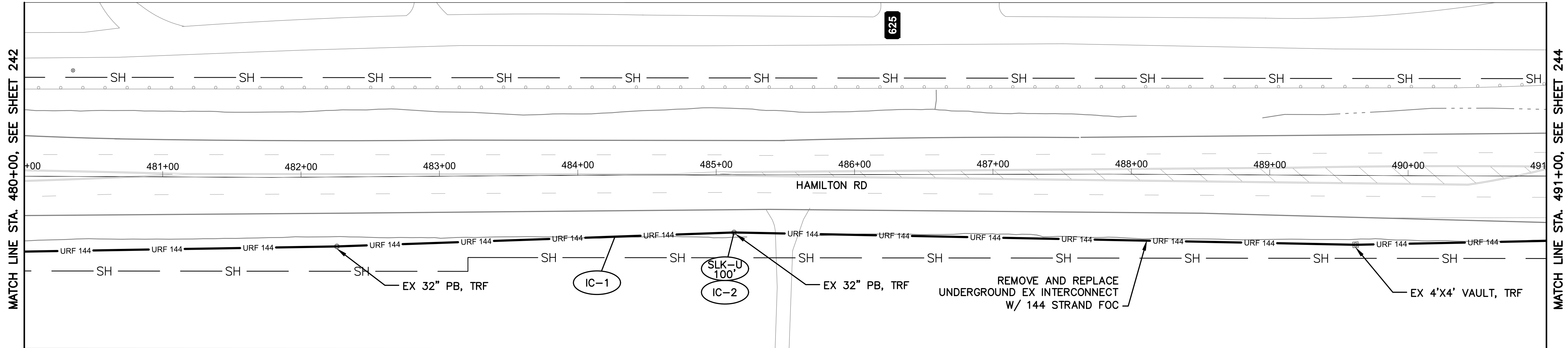
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

242  
1000

3150-E



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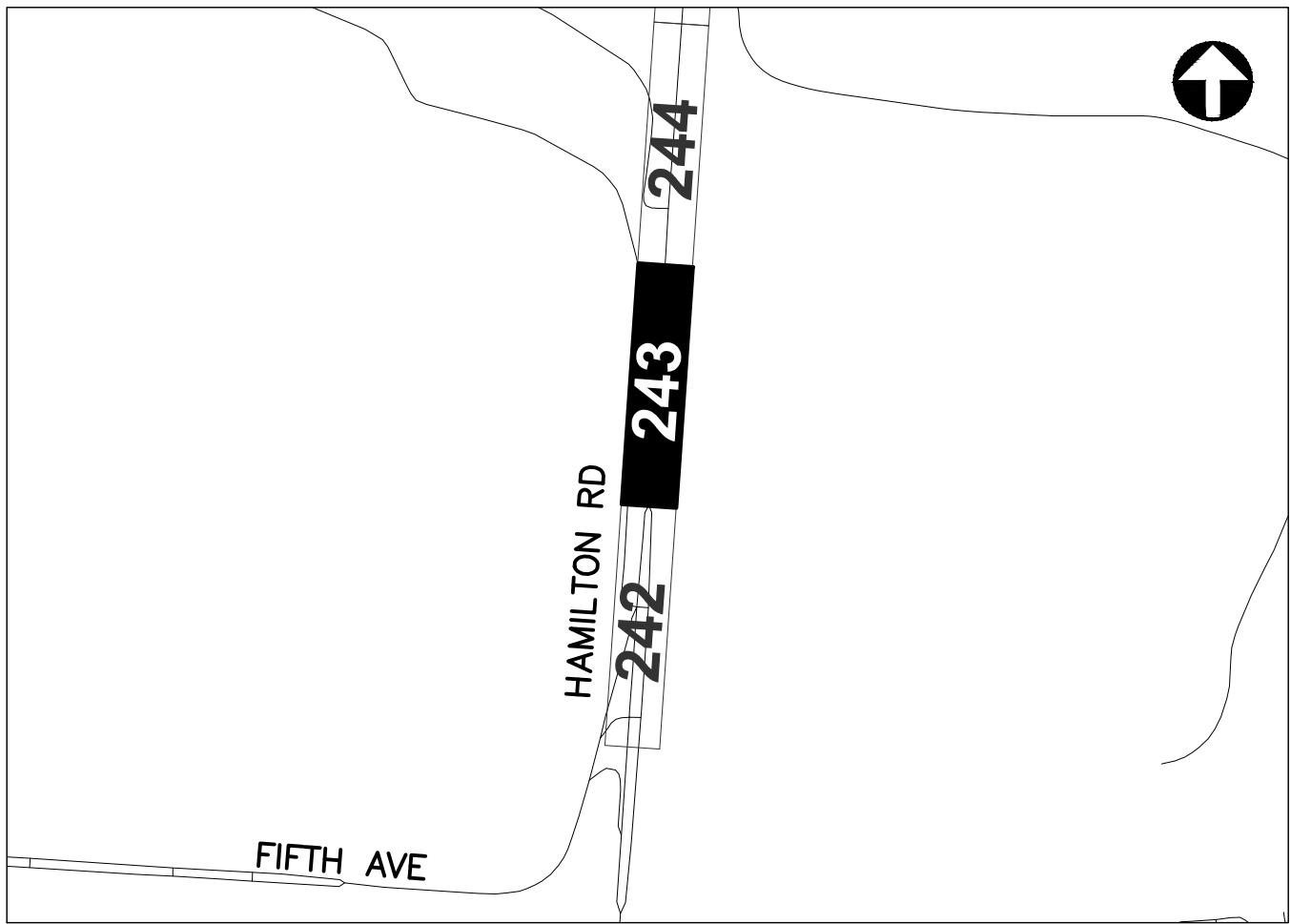
HAMILTON RD BETWEEN STATION 480+00 AND 491+00

NOTES:

- 1. SEE SHEET 247 FOR QUANTITIES.
- 2. SEE SHEET 679 FOR COMMUNICATION DETAILS.

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- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 8 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

0 40 80  
HORIZONTAL  
SCALE IN FEET

CIP: 540007-100006  
PID NUMBER: 82573

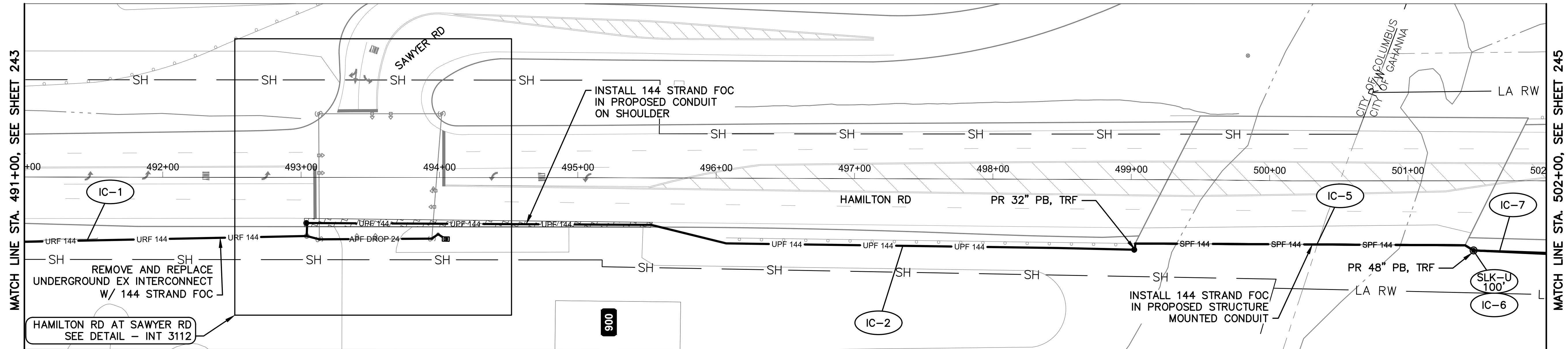
INTERCONNECT PLAN  
HAMILTON RD BETWEEN STA. 480+00 AND 491+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

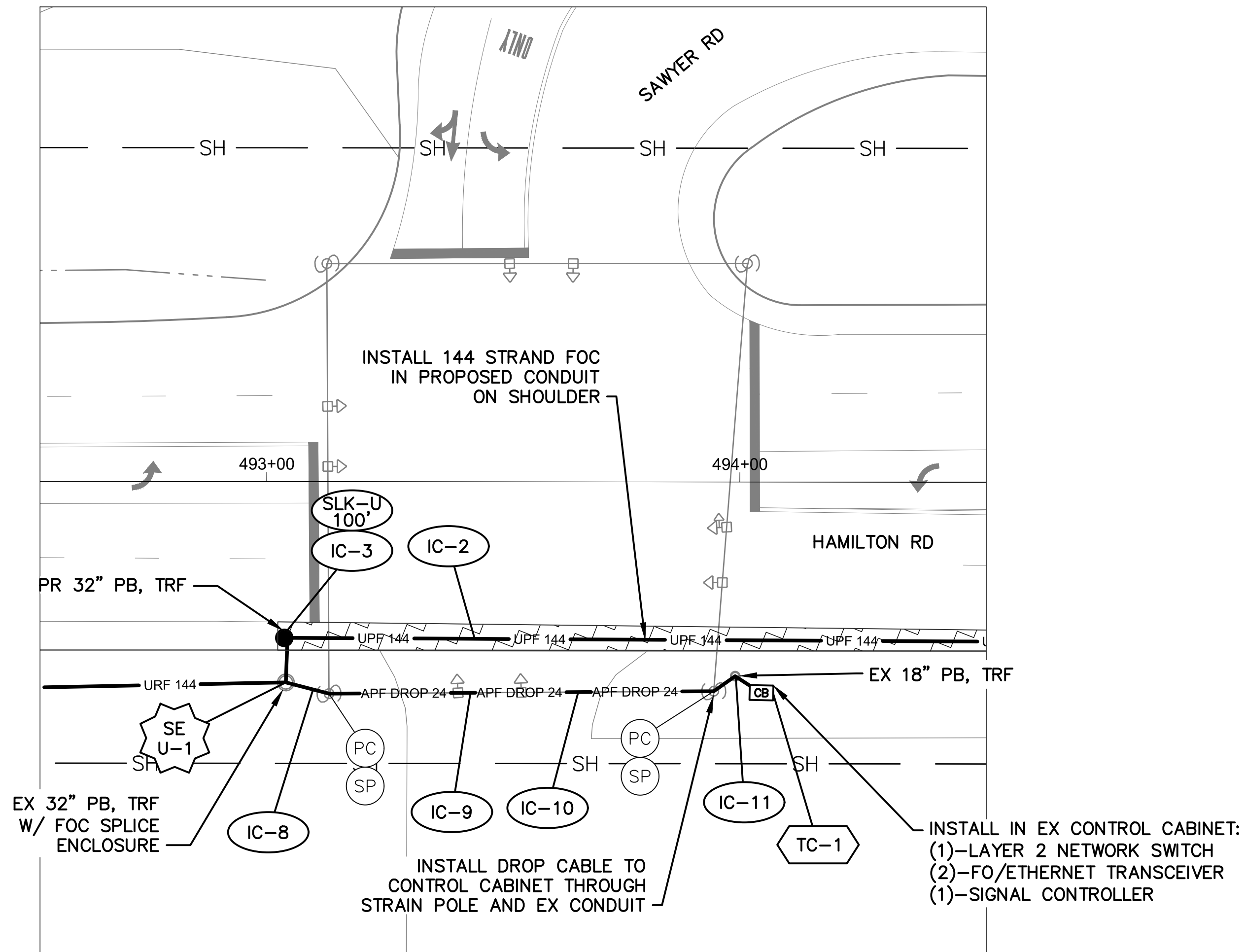
243  
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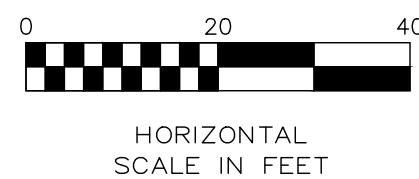
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HAMILTON RD BETWEEN STATION 491+00 AND 502+00



DETAIL - INT 3112

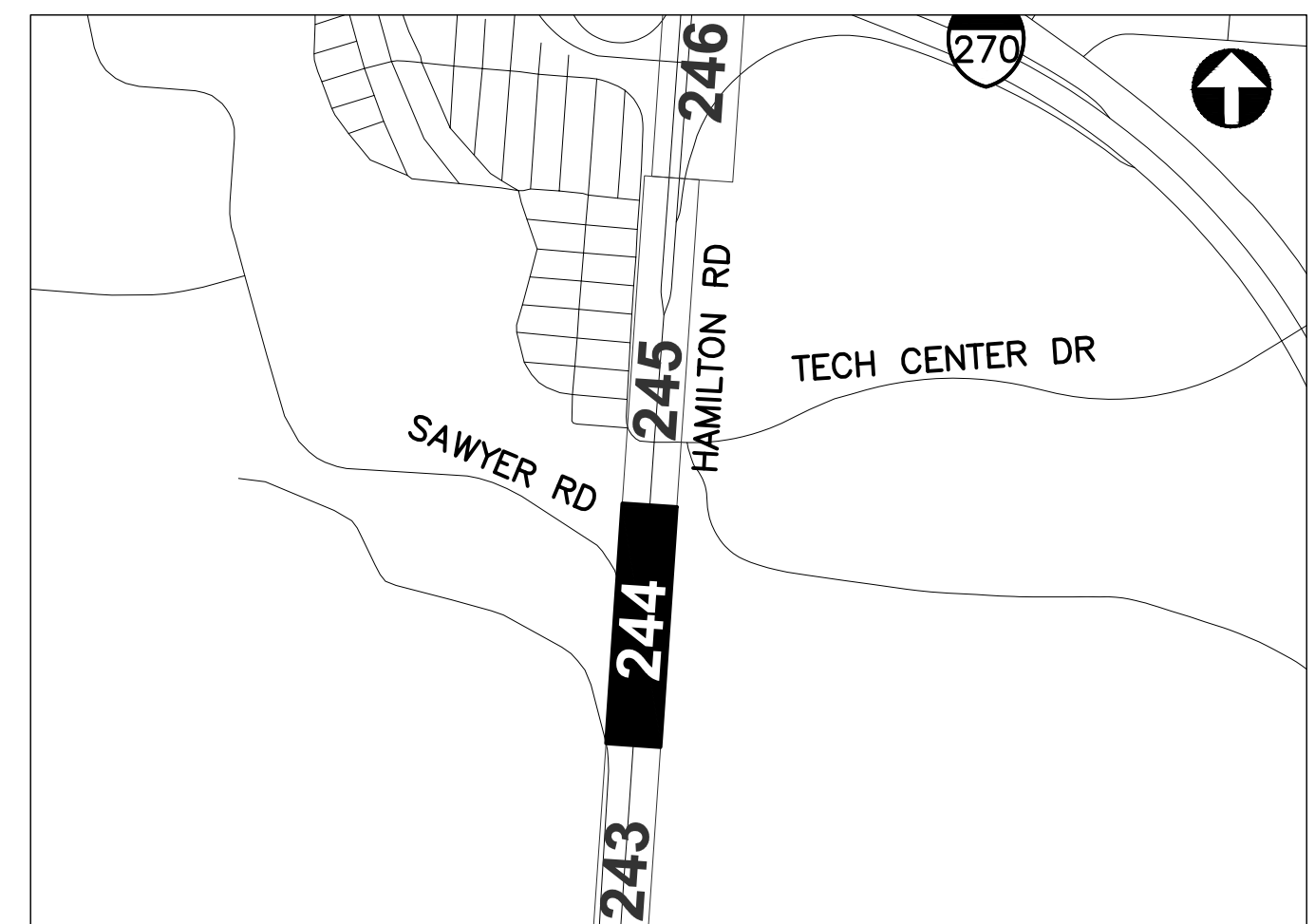


NOTES:

1. SEE SHEET 247 FOR QUANTITIES.
2. SEE SHEETS 679 & 903 FOR COMMUNICATION DETAILS.
3. AGREEMENT IN PLACE BETWEEN THE CITY OF GAHANNA AND THE CITY OF COLUMBUS TO USE THE EMPTY CONDUIT IN THIS AREA.

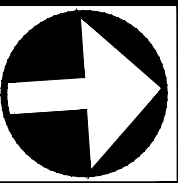


| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |



REFER TO SHEET 8 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
HAMILTON RD BETWEEN STA. 491+00 AND 502+00, INT 3112

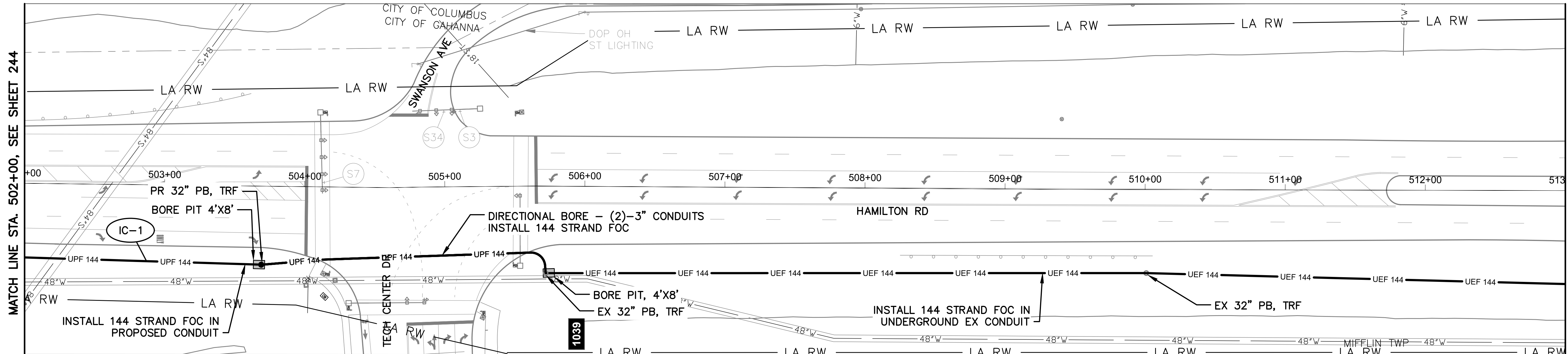
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

244  
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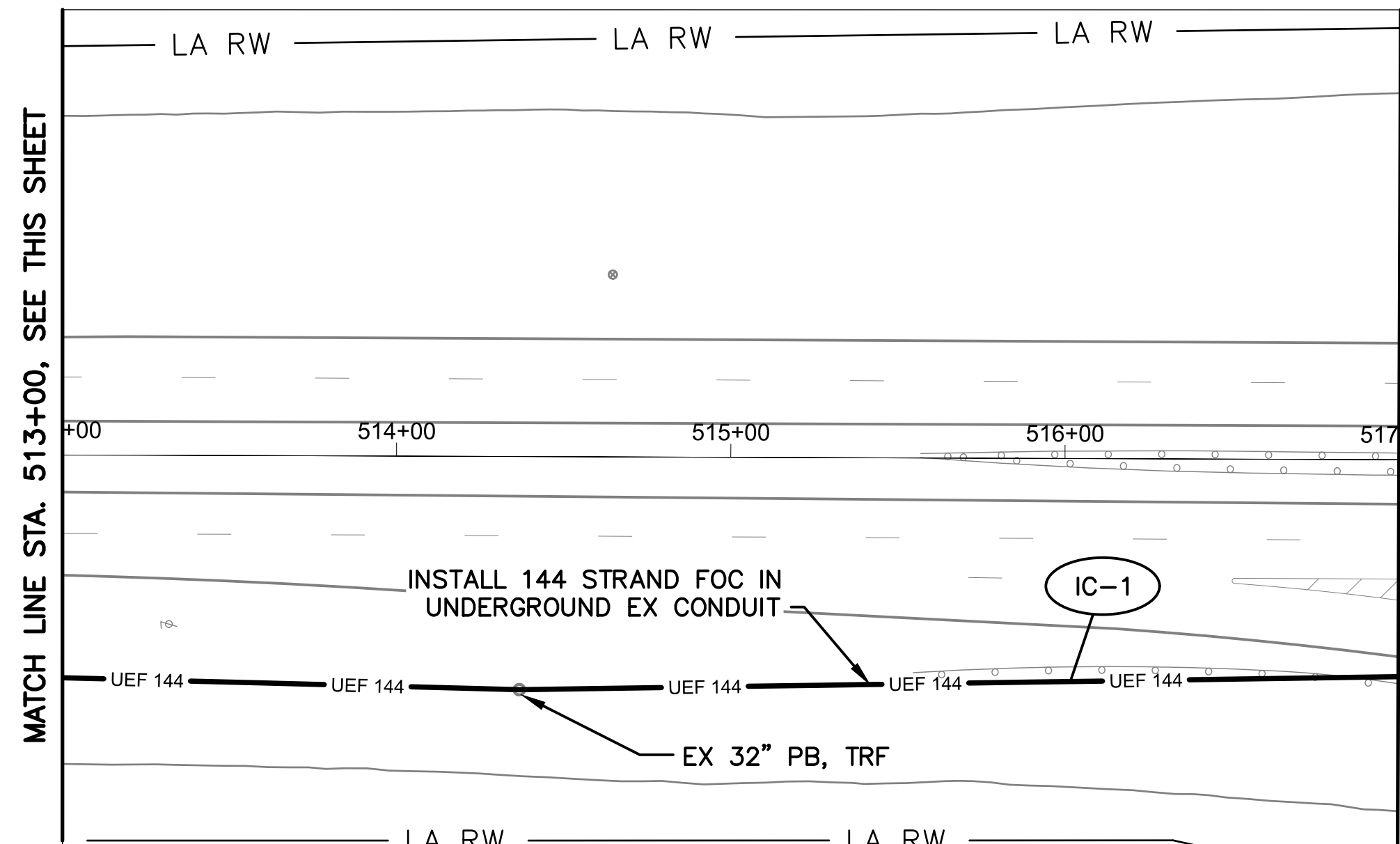
3150-E



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HAMILTON RD BETWEEN STATION 502+00 AND 513+00



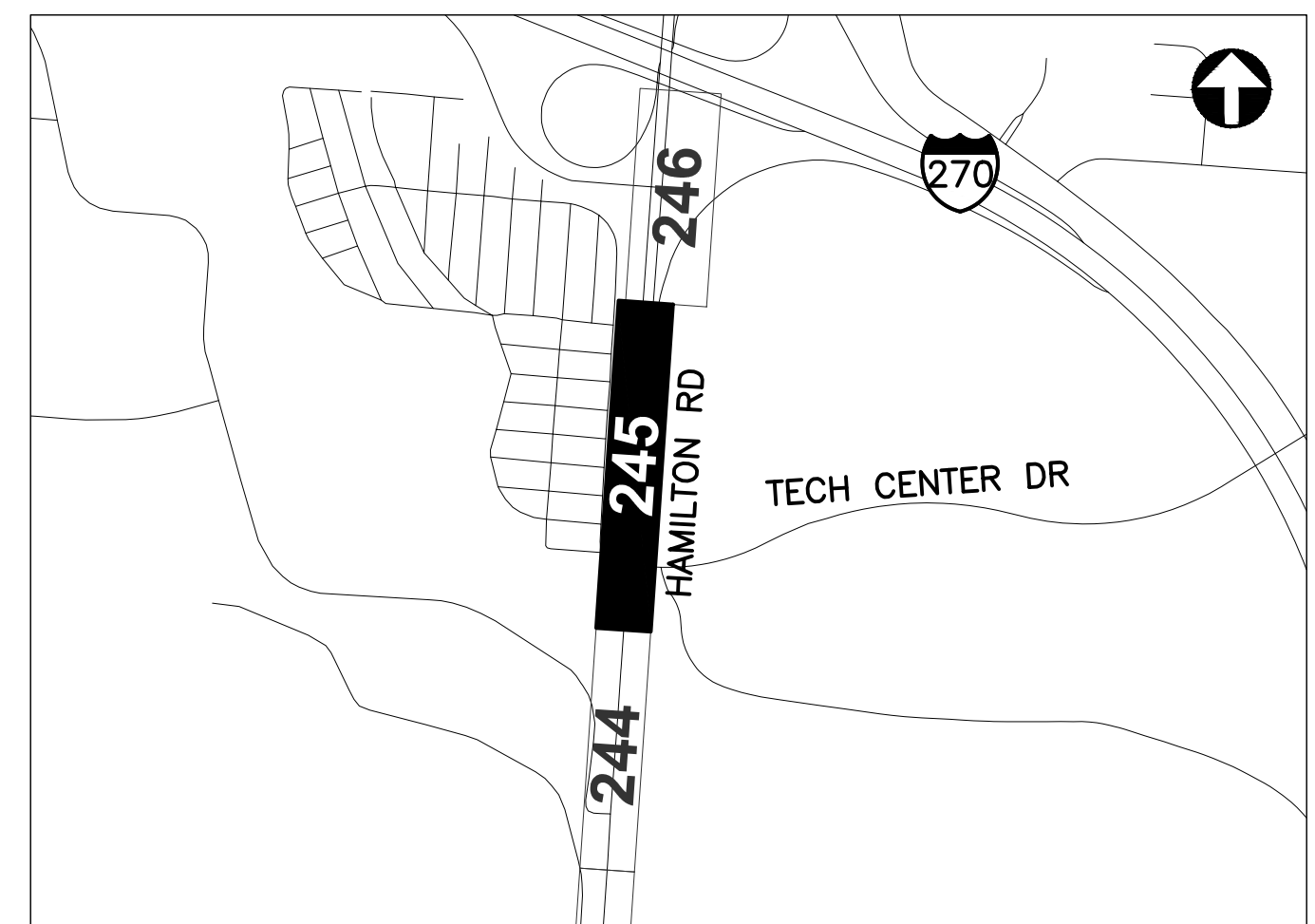
HAMILTON RD BETWEEN STATION 513+00 AND 517+00

NOTES:

1. SEE SHEET 247 FOR QUANTITIES.
2. SEE SHEET 679 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
4. AGREEMENT IN PLACE BETWEEN THE CITY OF GAHANNA AND THE CITY OF COLUMBUS TO USE THE EMPTY CONDUIT IN THIS AREA.

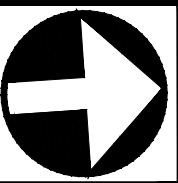


- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 8 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
HAMILTON RD BETWEEN STA. 502+00 AND 517+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

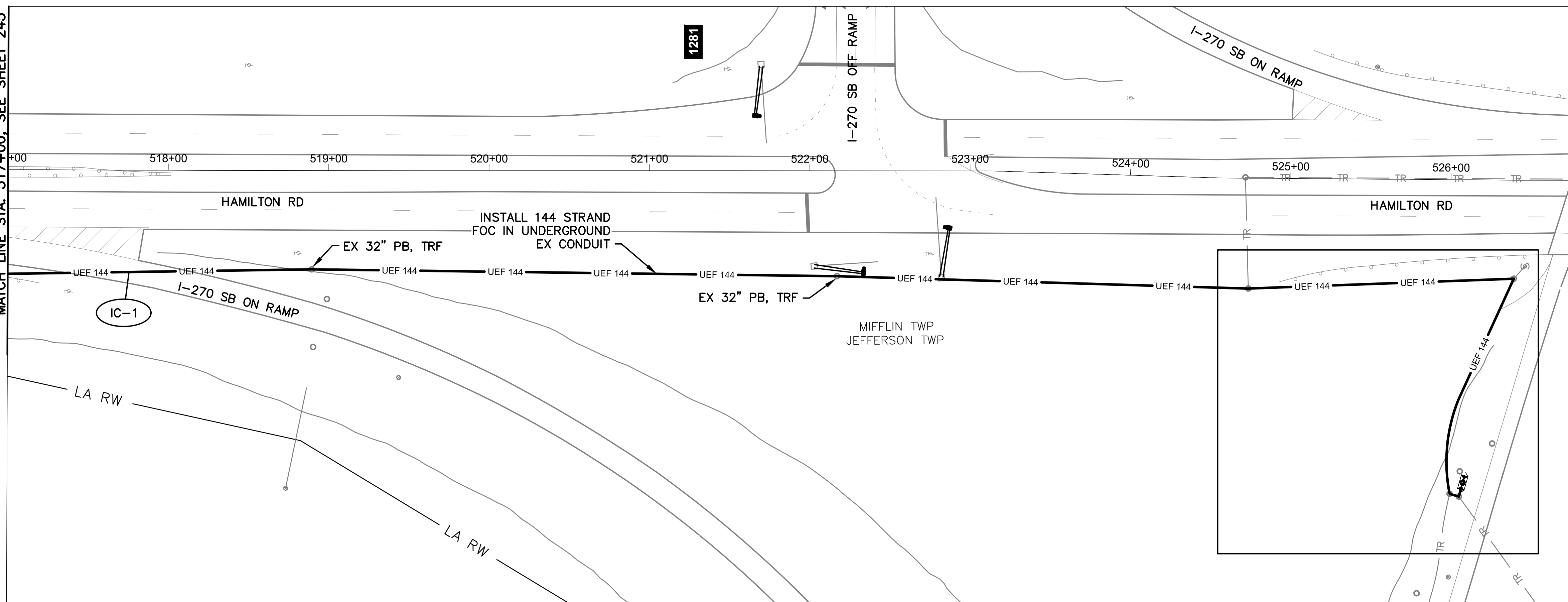
245  
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3150-E

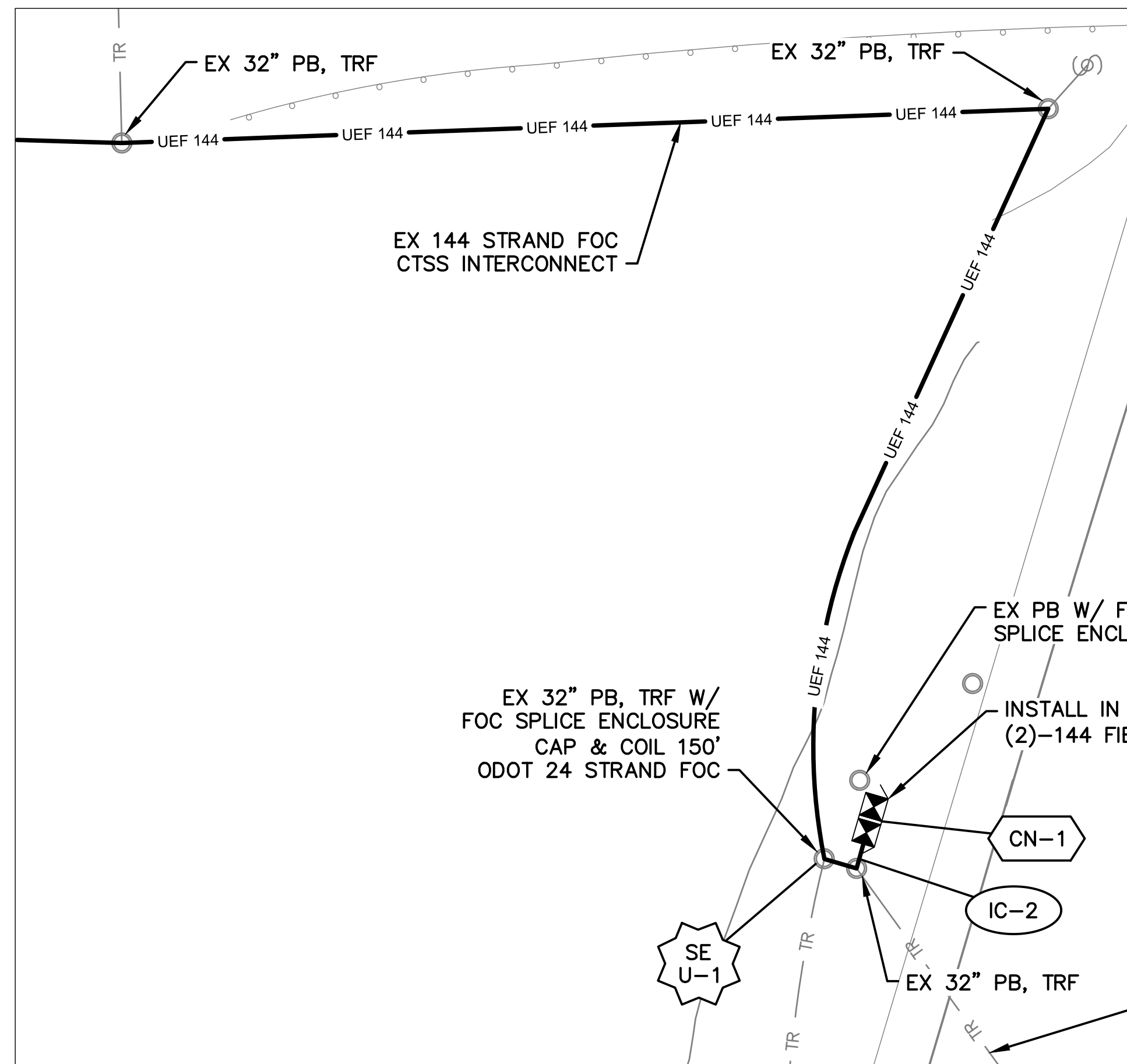


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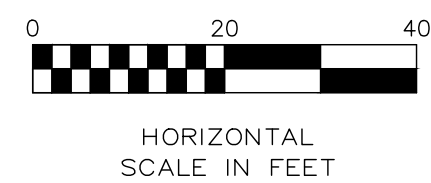
MATCH LINE STA. 517+00, SEE SHEET 245



HAMILTON RD BETWEEN STATION 517+00 AND 526+75



NODE - 270037.4

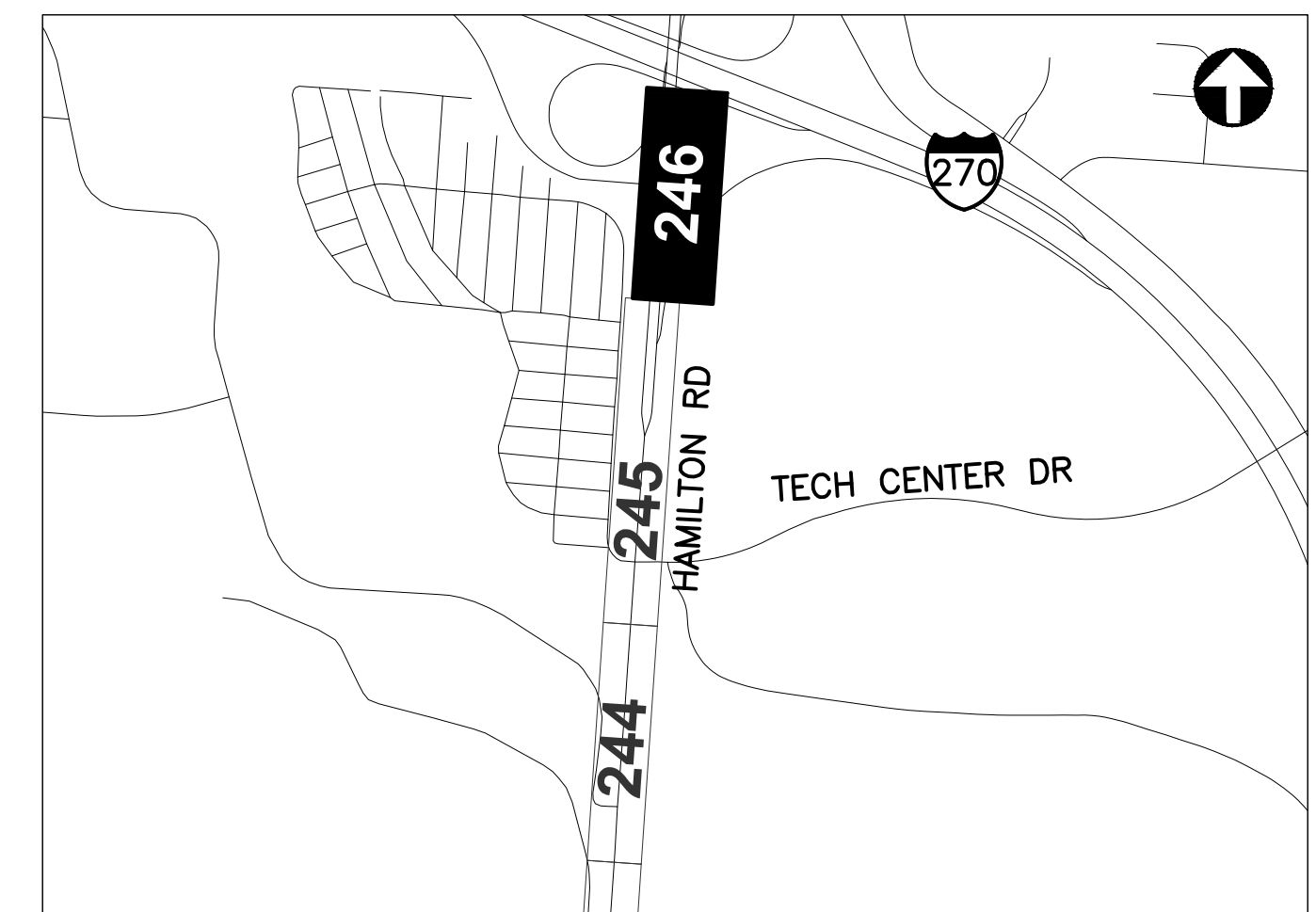


**NOTES:**

1. SEE SHEET 247 FOR QUANTITIES.
2. SEE SHEETS 679, 989 & 990 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.
4. AGREEMENT IN PLACE BETWEEN THE CITY OF GAHANNA AND THE CITY OF COLUMBUS TO USE THE EMPTY CONDUIT IN THIS AREA.



| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |



REFER TO SHEET 8 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
HAMILTON RD BETWEEN STA. 517+00 AND 526+75

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

**246**  
**1000**

**3150-E**



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| ESTIMATED QUANTITIES                                                                           |               |             |                 |                 |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
|------------------------------------------------------------------------------------------------|---------------|-------------|-----------------|-----------------|------------------------------------------------|------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|---|---|
| SHEET NO.                                                                                      | REFERENCE NO. | LOCATION    | STATION         |                 | 202                                            | 625                                      | 632                                                                  | 632                                                                 | 632                                                                | 632                                                                             | 632                                                                                            | 632                                                                        | 632                                                                   | 632                                                                                    | 632                                                                                    | 632                                                                                  | 632                                                 | 633                                                    | 633                                                                                    | 633                                                           | 633                                                           |                                                                               |   |   |
|                                                                                                |               |             | FROM            | TO              | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | BRACKET ARM, 30', AS<br>PER PLAN<br>EACH | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 24 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE<br>EACH | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT<br>FT | INTERCONNECT, MISC.:<br>PRE-TERMINATED FIBER<br>OPTIC DROP CABLE, 144<br>STRAND, 150FT<br>EACH | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 144<br>FIBER, 4 RU<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE<br>FT | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM<br>EACH | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 3<br>ETHERNET SWITCH<br>EACH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN<br>EACH |   |   |
| HAMILTON RD. BETWEEN STA. 469+00 AND 480+00, INT 3111                                          |               |             |                 |                 |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 242                                                                                            | CTV-1         | HAMILTON RD | 470+53, 29' RT  |                 |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     | 1                                                      |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 242                                                                                            | EC-1          | HAMILTON RD | 470+53, 29' RT  | 470+76, 48' RT  |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      | 30                                                  |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 242                                                                                            | EC-2          | HAMILTON RD | 470+76, 48' RT  |                 |                                                | 1                                        |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      | 35                                                  |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 242                                                                                            | TC-1          | HAMILTON RD | 470+76, 48' RT  |                 |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        | 10                                                                                   |                                                     | 2                                                      | 1                                                                                      |                                                               | 1                                                             |                                                                               |   |   |
| 242                                                                                            | IC-4          | HAMILTON RD | 470+76, 48' RT  | 471+09, 58' RT  |                                                |                                          |                                                                      |                                                                     | 36                                                                 |                                                                                 |                                                                                                |                                                                            | 1                                                                     |                                                                                        | 36                                                                                     |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 242                                                                                            | SE A-1        | HAMILTON RD | 471+09, 58' RT  |                 |                                                |                                          | 75                                                                   |                                                                     | 12                                                                 |                                                                                 |                                                                                                | 1                                                                          |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 242                                                                                            | IC-1          | HAMILTON RD | 471+09, 58' RT  | 472+39, 62' RT  |                                                |                                          | 133                                                                  |                                                                     | 133                                                                |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        | 133                                                                                    |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 242                                                                                            | IC-2          | HAMILTON RD | 472+39, 62' RT  |                 |                                                |                                          | 35                                                                   |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 242                                                                                            | IC-3          | HAMILTON RD | 472+39, 62' RT  | 480+00, 55' RT  | 760                                            |                                          | 760                                                                  |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| HAMILTON RD. BETWEEN STA. 480+00 AND 491+00                                                    |               |             |                 |                 |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 243                                                                                            | IC-1          | HAMILTON RD | 480+00, 55' RT  | 491+00, 47' RT  | 1,100                                          |                                          | 1,100                                                                |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 243                                                                                            | IC-2          | HAMILTON RD | 485+37, 65' RT  |                 |                                                |                                          | 10                                                                   |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| HAMILTON RD. BETWEEN STA. 491+00 AND 502+00, INT 3112                                          |               |             |                 |                 |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 244                                                                                            | IC-1          | HAMILTON RD | 491+00, 47' RT  | 493+04, 42' RT  | 204                                            |                                          | 204                                                                  |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 244                                                                                            | SE U-1        | HAMILTON RD | 493+04, 42' RT  |                 |                                                |                                          | 150                                                                  |                                                                     | 24                                                                 |                                                                                 | 1                                                                                              |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 244                                                                                            | IC-2          | HAMILTON RD | 493+04, 42' RT  | 498+15, 49' RT  | 6                                              |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 244                                                                                            | IC-8          | HAMILTON RD | 493+04, 42' RT  | 493+13, 45' RT  |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 244                                                                                            | IC-10         | HAMILTON RD | 493+04, 42' RT  | 494+13, 45' RT  |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 244                                                                                            | IC-9          | HAMILTON RD | 493+13, 45' RT  | 493+94, 44' RT  |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        | 82                                                                                     |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 244                                                                                            | IC-11         | HAMILTON RD | 493+94, 44' RT  | 494+04, 45' RT  | 12                                             |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 244                                                                                            | TC-1          | HAMILTON RD | 494+04, 45' RT  |                 |                                                |                                          | 100                                                                  |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     | 2                                                      | 1                                                                                      |                                                               | 1                                                             |                                                                               |   |   |
| 244                                                                                            | IC-3          | HAMILTON RD | 494+04, 45' RT  |                 |                                                |                                          | 100                                                                  |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 244                                                                                            | IC-4          | HAMILTON RD | 494+04, 45' RT  |                 |                                                |                                          | 100                                                                  |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 244                                                                                            | IC-5          | HAMILTON RD | 494+04, 45' RT  | 501+47, 50' RT  | 83                                             |                                          | 83                                                                   |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 244                                                                                            | IC-6          | HAMILTON RD | 501+47, 50' RT  |                 |                                                |                                          | 100                                                                  |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 244                                                                                            | IC-7          | HAMILTON RD | 501+47, 50' RT  | 502+00, 53' RT  | 53                                             |                                          | 53                                                                   |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| HAMILTON RD. BETWEEN STA. 502+00 AND 517+00, INT 3113                                          |               |             |                 |                 |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 245                                                                                            | IC-1          | HAMILTON RD | 502+00, 53' RT  | 517+00, 65' RT  | 1,500                                          |                                          | 1,500                                                                |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| HAMILTON RD. BETWEEN STA. 517+00 AND 526+75, NODE #270037.4                                    |               |             |                 |                 |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 246                                                                                            | IC-1          | HAMILTON RD | 517+00, 65' RT  | 526+00, 196' RT | 1,093                                          |                                          | 1,093                                                                |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 246                                                                                            | SE U-1        | HAMILTON RD | 526+00, 196' RT |                 |                                                |                                          | 14                                                                   |                                                                     |                                                                    |                                                                                 | 1                                                                                              |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 246                                                                                            | IC-2          | HAMILTON RD | 526+00, 196' RT | 526+00, 196' RT | 13                                             |                                          |                                                                      |                                                                     |                                                                    |                                                                                 | 2                                                                                              |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |
| 246                                                                                            | CN-1          | HAMILTON RD | 526+00, 196' RT |                 |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     | 2                                                      |                                                                                        | 1                                                             |                                                               |                                                                               |   |   |
| SHEET TOTAL                                                                                    |               |             |                 |                 | 5,631                                          | 1                                        | 6,465                                                                | 150                                                                 | 180                                                                | 169                                                                             | 2                                                                                              | 3                                                                          | 2                                                                     | 1                                                                                      | 1                                                                                      | 251                                                                                  | 75                                                  | 1                                                      | 6                                                                                      | 2                                                             | 1                                                             | 2                                                                             | - | - |
| AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS. |               |             |                 |                 |                                                |                                          |                                                                      |                                                                     |                                                                    |                                                                                 |                                                                                                |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                               |                                                                               |   |   |

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

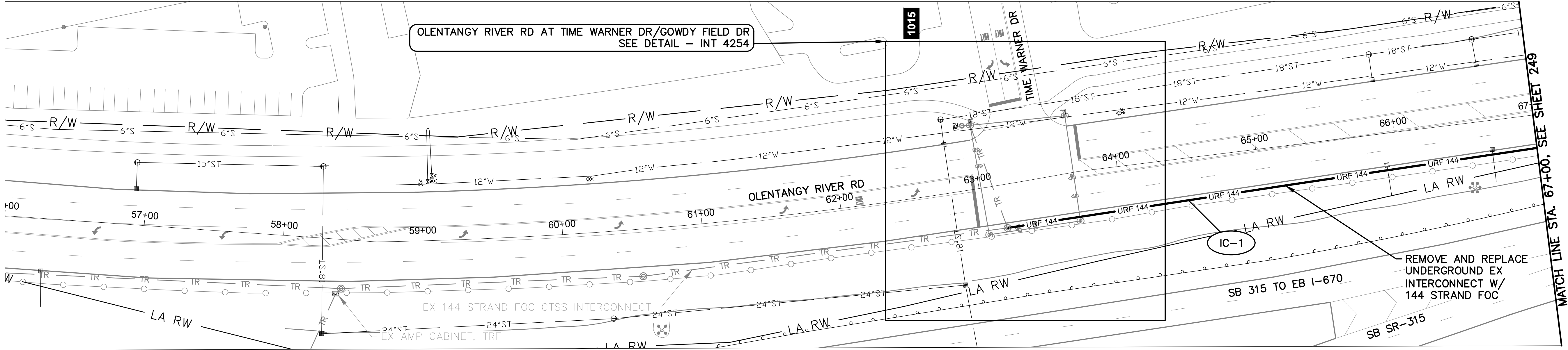
CIP: 540007–100006  
PID NUMBER: 82573

HAMILTON RD BTW STA. 469+00 & 526+75  
INTS 3111, 3112

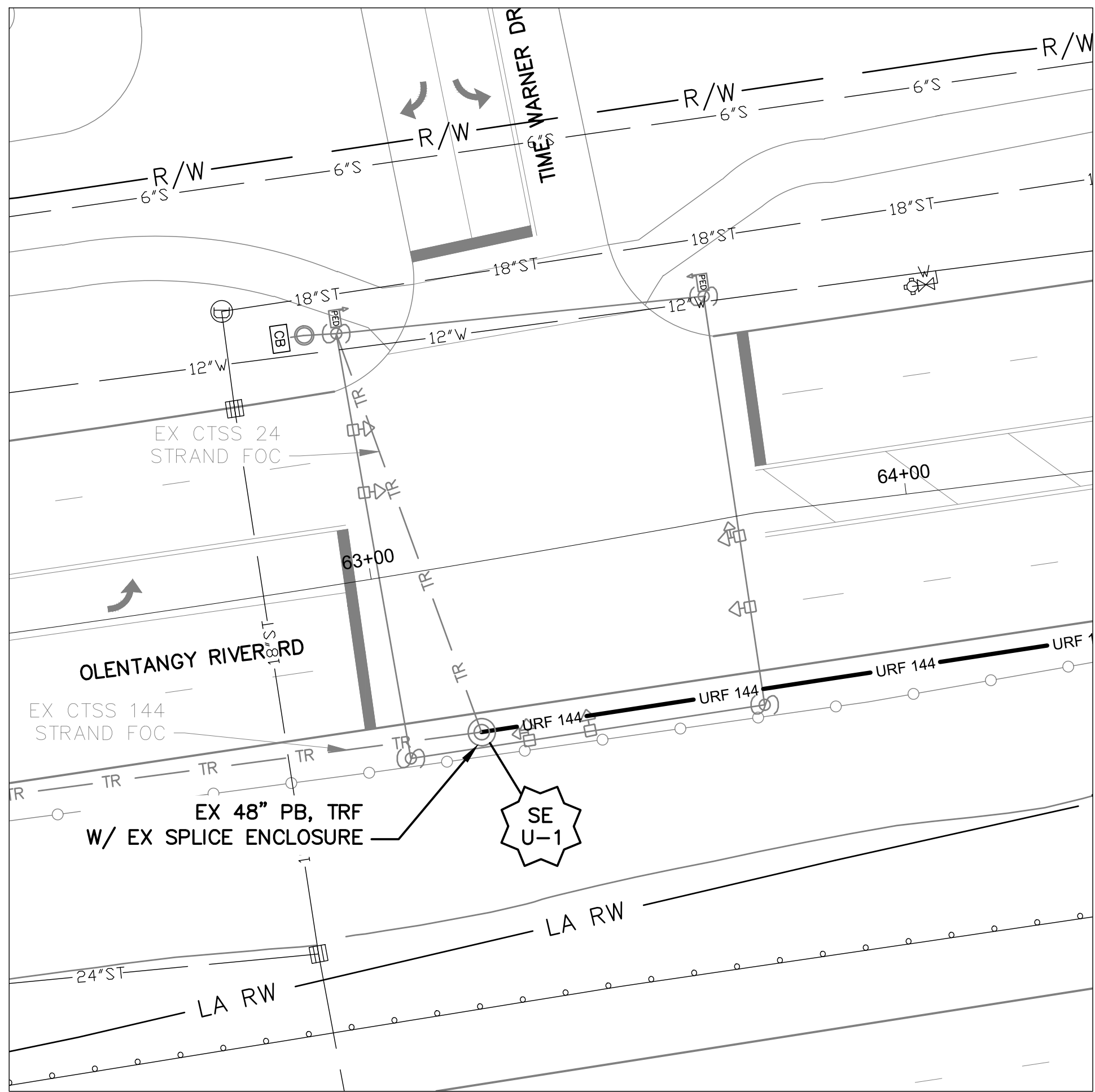
3150-E

247  
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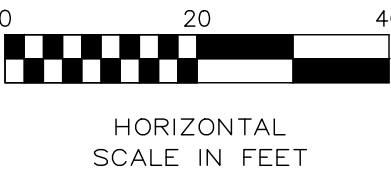




OLENTANGY RIVER RD BETWEEN STATION 56+00 AND 67+00



DETAIL - INT 4254

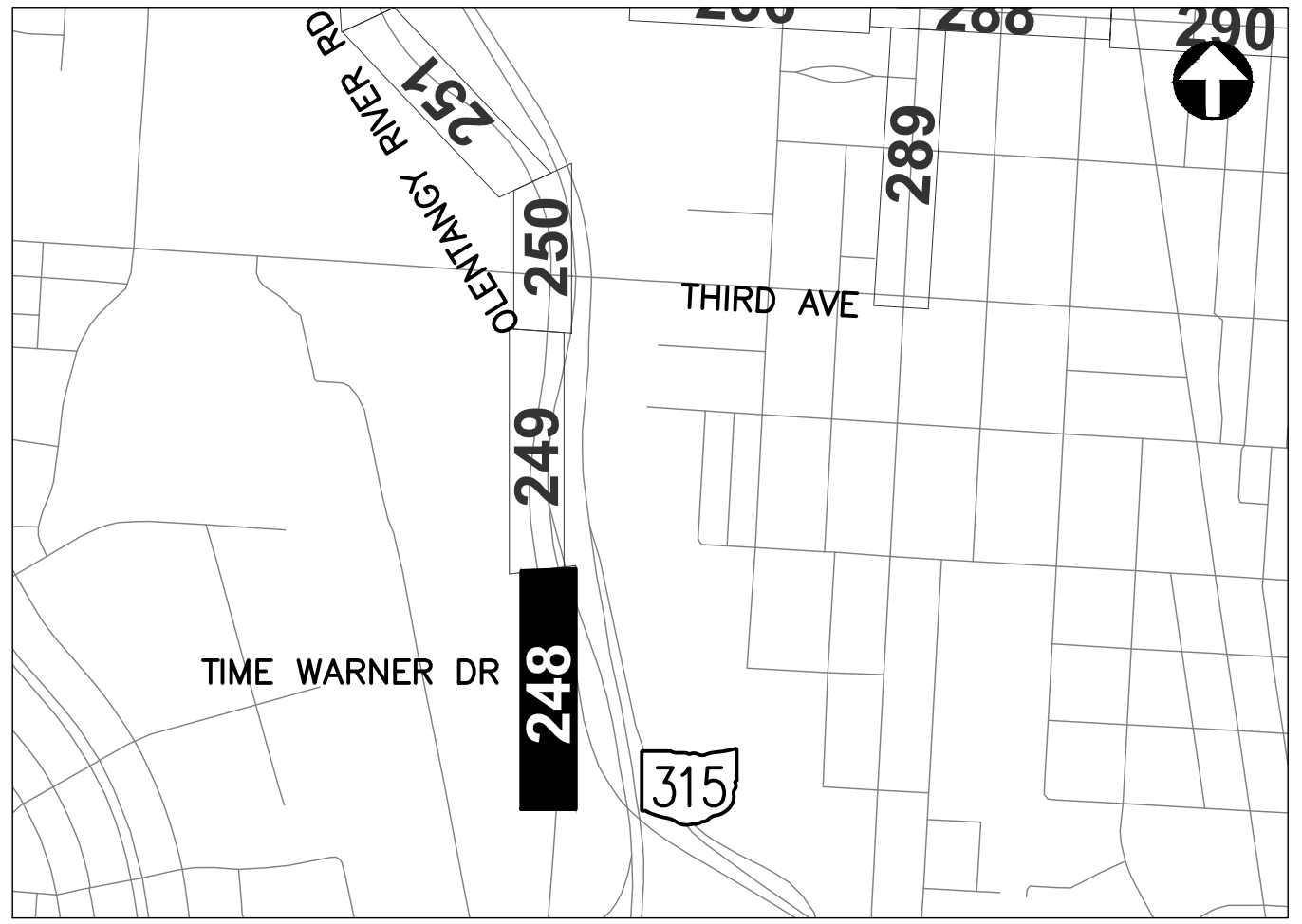


NOTES:

1. SEE SHEET 253 FOR QUANTITIES.
2. SEE SHEETS 671 & 741 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

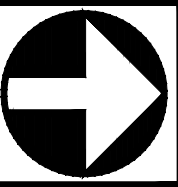
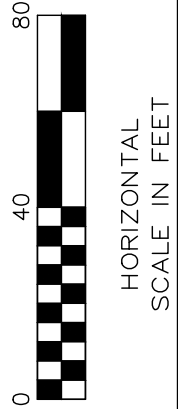


- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
OLENTANGY RIVER RD BETWEEN STA. 56+00 AND 67+00, INT 4254

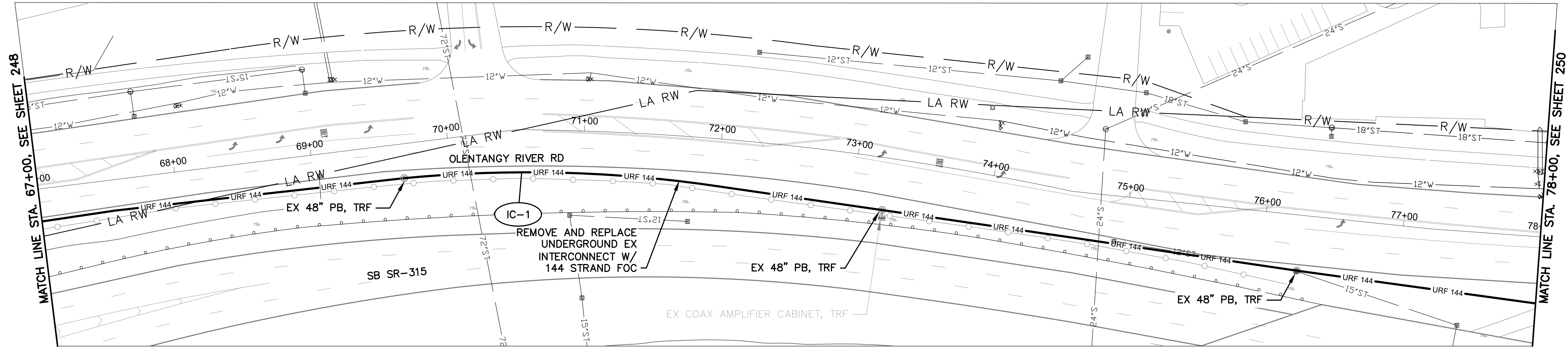
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

248  
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3150-E



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OLENTANGY RIVER RD BETWEEN STATION 67+00 AND 78+00

NOTES:

1. SEE SHEET 253 FOR QUANTITIES.
2. SEE SHEET 671 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
OLENTANGY RIVER RD BETWEEN STA. 67+00 AND 78+00

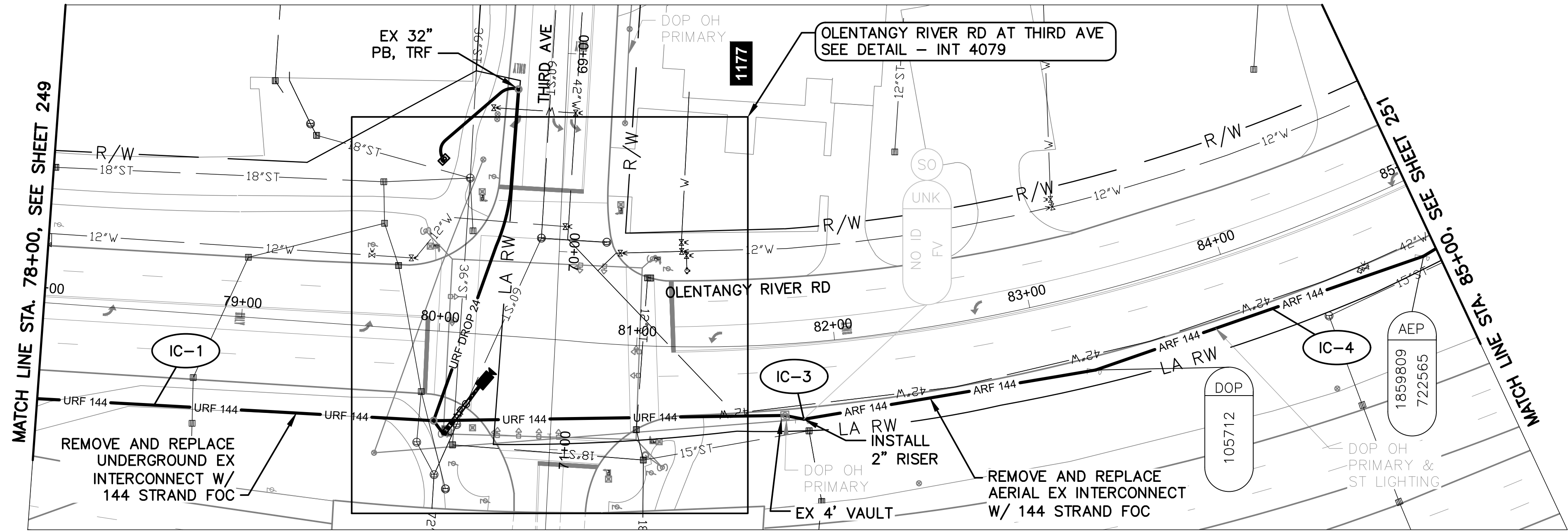
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

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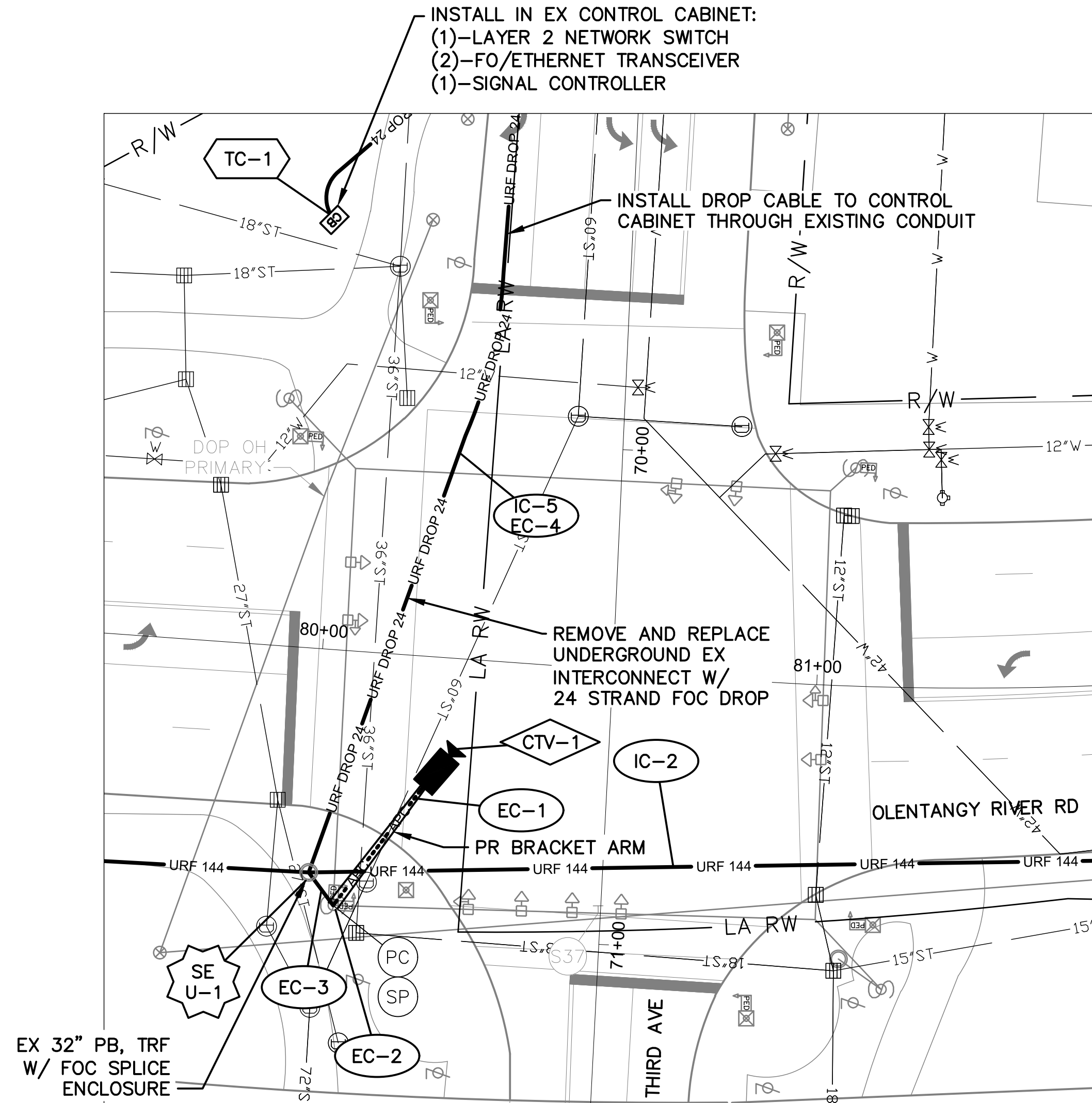
3150-E



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OLENTANGY RIVER RD BETWEEN STATION 78+00 AND 85+00



DETAIL - INT 4079

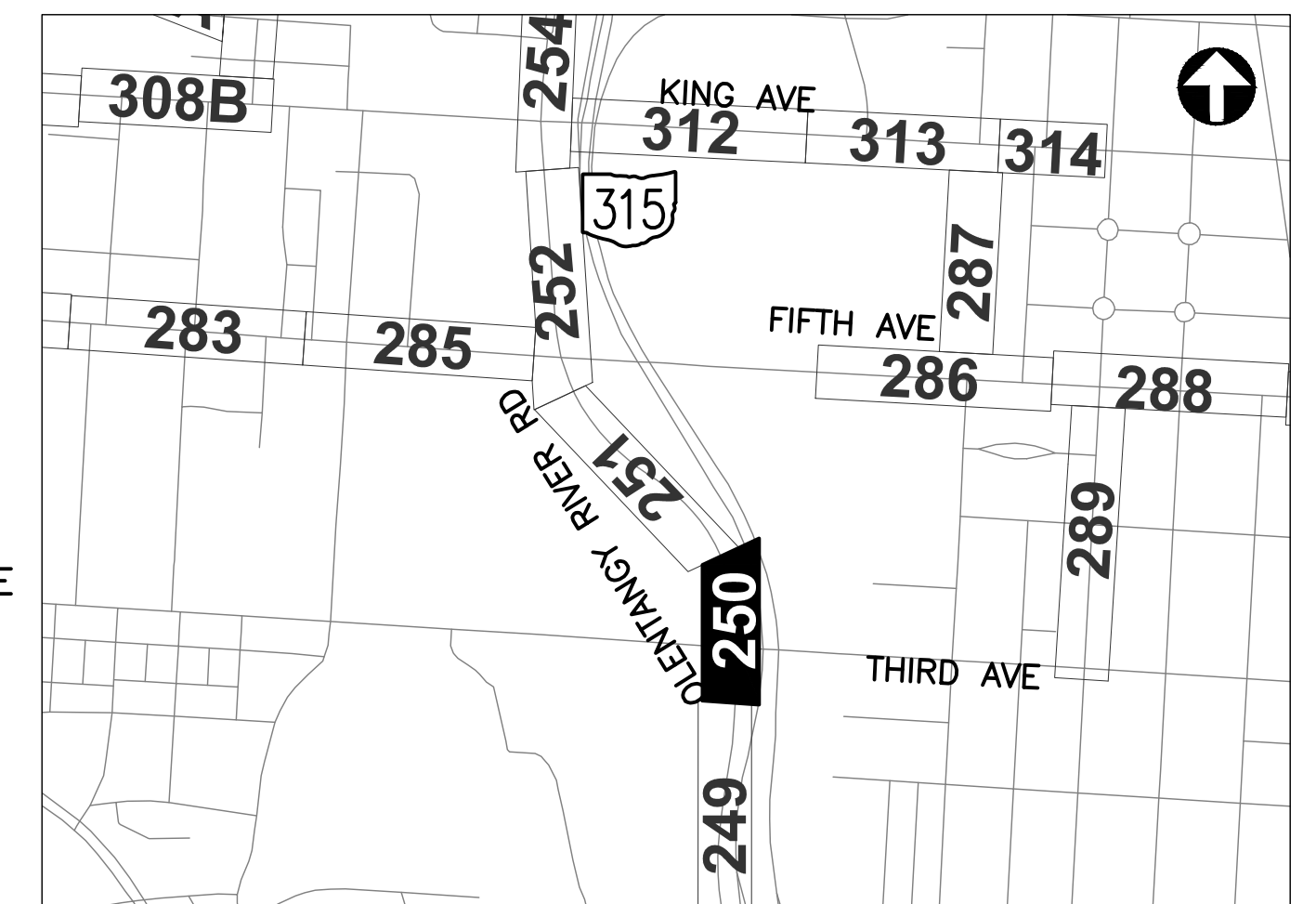
**NOTES:**

1. SEE SHEET 253 FOR QUANTITIES.
2. SEE SHEETS 671 & 742 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE THE EXTENT OF VIEW SHOWN ABOVE.
4. 150' ADDITIONAL SLACK QUANTIFIED AT SPLICE LOCATION FOR FUTURE DoT USE.



**CITY OF COLUMBUS  
UTILITY LEGEND**

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE













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| ESTIMATED QUANTITIES                                        |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|-------------------------------------------------------------|---------------|--------------------|---------------|----------------|------------------------------------------------|------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|--|--|--|
| SHEET NO.                                                   | REFERENCE NO. | LOCATION           | STATION       |                | 202                                            | 625                                      | 632                                               | 632                                                                  | 632                                                                | 632                                                                      | 632                                                             | 632                                                                        | 632                                                                                    | 632                                                                                    | 632                                                                                  | 632                                                 | 633                                                    | 633                                                                                   | 633                                                           |                                                                               |  |  |  |
|                                                             |               |                    | FROM          | TO             | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | BRACKET ARM, 30', AS<br>PER PLAN<br>EACH | CONDUIT RISER, 2",<br>725.04, AS PER PLAN<br>EACH | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE<br>EACH | INTERCONNECT CABLE,<br>MISC.: OVERLASH TO<br>EXISTING INTERCONNECT<br>FT | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>FT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 450FT DROP<br>CABLE<br>EACH | MESSANGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE<br>FT | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM<br>EACH | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN<br>EACH |  |  |  |
| OLENTANGY RIVER RD. BETWEEN STA. 56+00 AND 67+00, INT 4254  |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 248                                                         | IC-1          | OLENTANGY RIVER RD | 63+15, 31' RT | 67+00, 24' RT  | 383                                            |                                          |                                                   | 383                                                                  |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 248                                                         | SE U-1        | OLENTANGY RIVER RD | 63+15, 31' RT |                |                                                |                                          |                                                   | 75                                                                   | 156                                                                |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| OLENTANGY RIVER RD. BETWEEN STA. 67+00 AND 78+00            |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 249                                                         | IC-1          | OLENTANGY RIVER RD | 67+00, 24' RT | 78+00, 49' RT  | 1,100                                          |                                          |                                                   | 1,100                                                                |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| OLENTANGY RIVER RD. BETWEEN STA. 78+00 AND 85+00, INT 4079  |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 250                                                         | IC-1          | OLENTANGY RIVER RD | 78+00, 49' RT | 80+00, 45' RT  | 186                                            |                                          |                                                   | 186                                                                  |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 250                                                         | IC-5          | OLENTANGY RIVER RD | 79+96, 87' LT | 80+00, 45' RT  | 232                                            |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            | 1                                                                                      |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 250                                                         | EC-4          | OLENTANGY RIVER RD | 79+96, 87' LT | 80+00, 45' RT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 32                                                  |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 250                                                         | TC-1          | OLENTANGY RIVER RD | 79+96, 87' LT | 80+00, 45' RT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 0                                                   |                                                        | 2                                                                                     |                                                               | 1                                                                             |  |  |  |
| 250                                                         | EC-3          | OLENTANGY RIVER RD | 79+00, 45' RT | 80+00, 45' LT  | 8                                              |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 8                                                   |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 250                                                         | SE U-1        | OLENTANGY RIVER RD | 80+00, 45' RT |                |                                                |                                          |                                                   | 300                                                                  | 24                                                                 |                                                                          |                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 250                                                         | IC-2          | OLENTANGY RIVER RD | 80+00, 45' RT | 81+81, 39' RT  | 204                                            |                                          |                                                   | 204                                                                  |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 250                                                         | EC-1          | OLENTANGY RIVER RD | 80+06, 52' LT | 81+81, 39' RT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 0                                                   |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 250                                                         | EC-2          | OLENTANGY RIVER RD | 80+06, 52' LT |                |                                                | 1                                        |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 3                                                   |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 250                                                         | CTV-1         | OLENTANGY RIVER RD | 80+22, 24' RT |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 250                                                         | IC-3          | OLENTANGY RIVER RD | 81+81, 39' RT |                |                                                |                                          | 1                                                 | 35                                                                   |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 250                                                         | IC-4          | OLENTANGY RIVER RD | 81+81, 39' RT | 85+00, 38' RT  |                                                |                                          |                                                   | 338                                                                  |                                                                    |                                                                          | 333                                                             |                                                                            |                                                                                        |                                                                                        | 338                                                                                  |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| OLENTANGY RIVER RD. BETWEEN STA. 85+00 AND 95+50            |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 251                                                         | IC-1          | OLENTANGY RIVER RD | 85+00, 38' RT | 95+50, 47' RT  |                                                |                                          |                                                   | 1,055                                                                |                                                                    |                                                                          | 1,055                                                           |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 251                                                         | IC-2          | OLENTANGY RIVER RD | 85+00, 38' RT |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| OLENTANGY RIVER RD. BETWEEN STA. 95+50 AND 106+00, INT 4086 |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 252                                                         | IC-1          | OLENTANGY RIVER RD | 95+50, 47' RT | 96+34, 79' RT  |                                                |                                          |                                                   | 96                                                                   |                                                                    |                                                                          | 95                                                              |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 252                                                         | TC-1          | OLENTANGY RIVER RD | 96+29, 73' LT | 96+34, 79' RT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        | 2                                                                                     |                                                               | 1                                                                             |  |  |  |
| 252                                                         | IC-2          | OLENTANGY RIVER RD | 96+29, 73' LT | 96+34, 79' RT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 252                                                         | IC-3          | OLENTANGY RIVER RD | 96+29, 73' LT | 96+34, 79' RT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 252                                                         | IC-2          | OLENTANGY RIVER RD | 96+34, 79' RT | 97+01, 46' LT  |                                                |                                          |                                                   | 141                                                                  |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 252                                                         | IC-3          | OLENTANGY RIVER RD | 96+34, 79' RT | 97+33, 127' LT |                                                |                                          |                                                   | 232                                                                  |                                                                    | 232                                                                      |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 252                                                         | IC-6          | OLENTANGY RIVER RD | 96+34, 79' RT | 96+41, 96' RT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 1                                                   |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 252                                                         | SE U-1        | OLENTANGY RIVER RD | 96+34, 79' RT |                |                                                |                                          |                                                   | 225                                                                  | 24                                                                 |                                                                          |                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 252                                                         | IC-8          | OLENTANGY RIVER RD | 96+41, 96' RT | 96+41, 96' RT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 252                                                         | IC-7          | OLENTANGY RIVER RD | 96+41, 96' RT |                |                                                |                                          | 2                                                 | 105                                                                  |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 252                                                         | IC-4          | OLENTANGY RIVER RD | 97+01, 46' LT | 97+68, 45' LT  |                                                |                                          |                                                   | 72                                                                   |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        | 72                                                                                   |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
| 252                                                         | IC-5          | OLENTANGY RIVER RD | 97+68, 45' LT | 106+00, 34' LT |                                                |                                          |                                                   | 850                                                                  |                                                                    |                                                                          | 837                                                             |                                                                            |                                                                                        |                                                                                        | 850                                                                                  |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |
|                                                             |               |                    |               |                |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                          |                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                       |                                                               |                                                                               |  |  |  |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

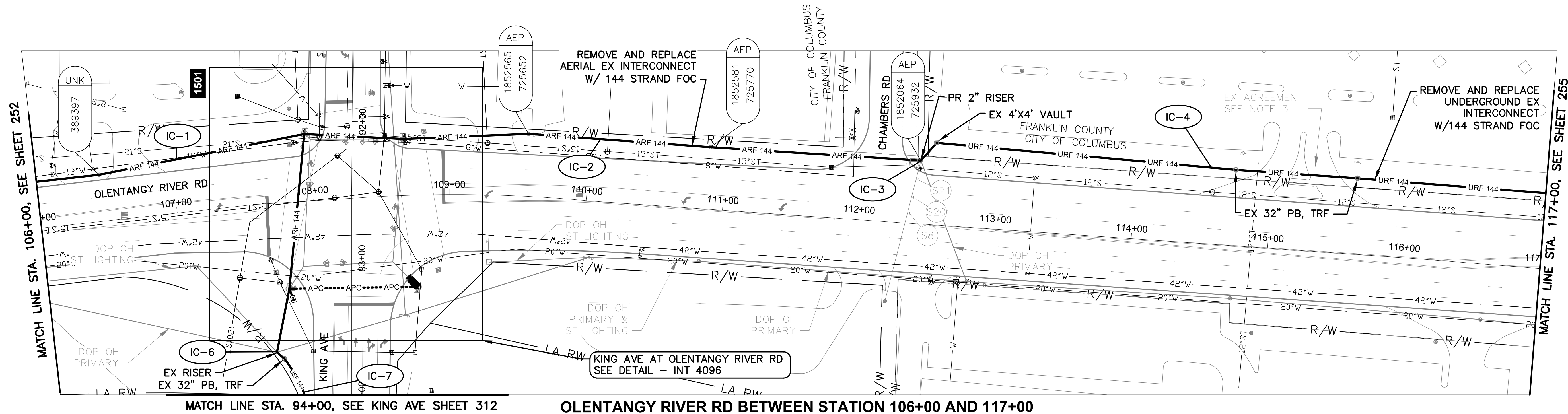
CIP: 540007-100006  
PID NUMBER: 82573

OLENTANGY RIVER RD BTW STA. 56+00 & 106+00  
INTS 4254, 4079, 4086

253  
1000

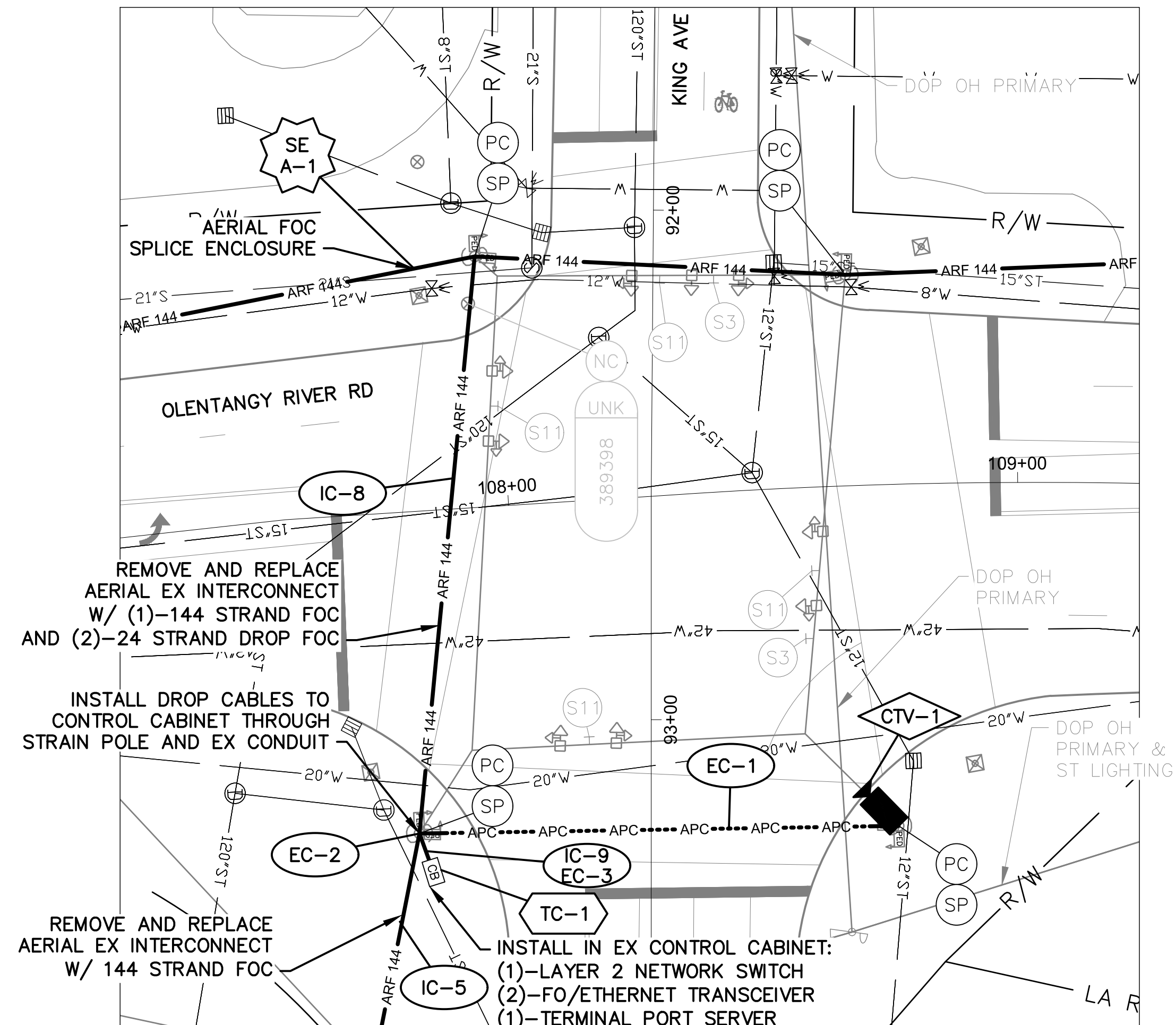


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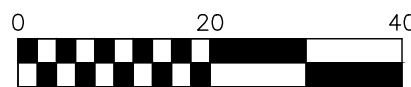


MATCH LINE STA. 94+00, SEE KING AVE SHEET 312

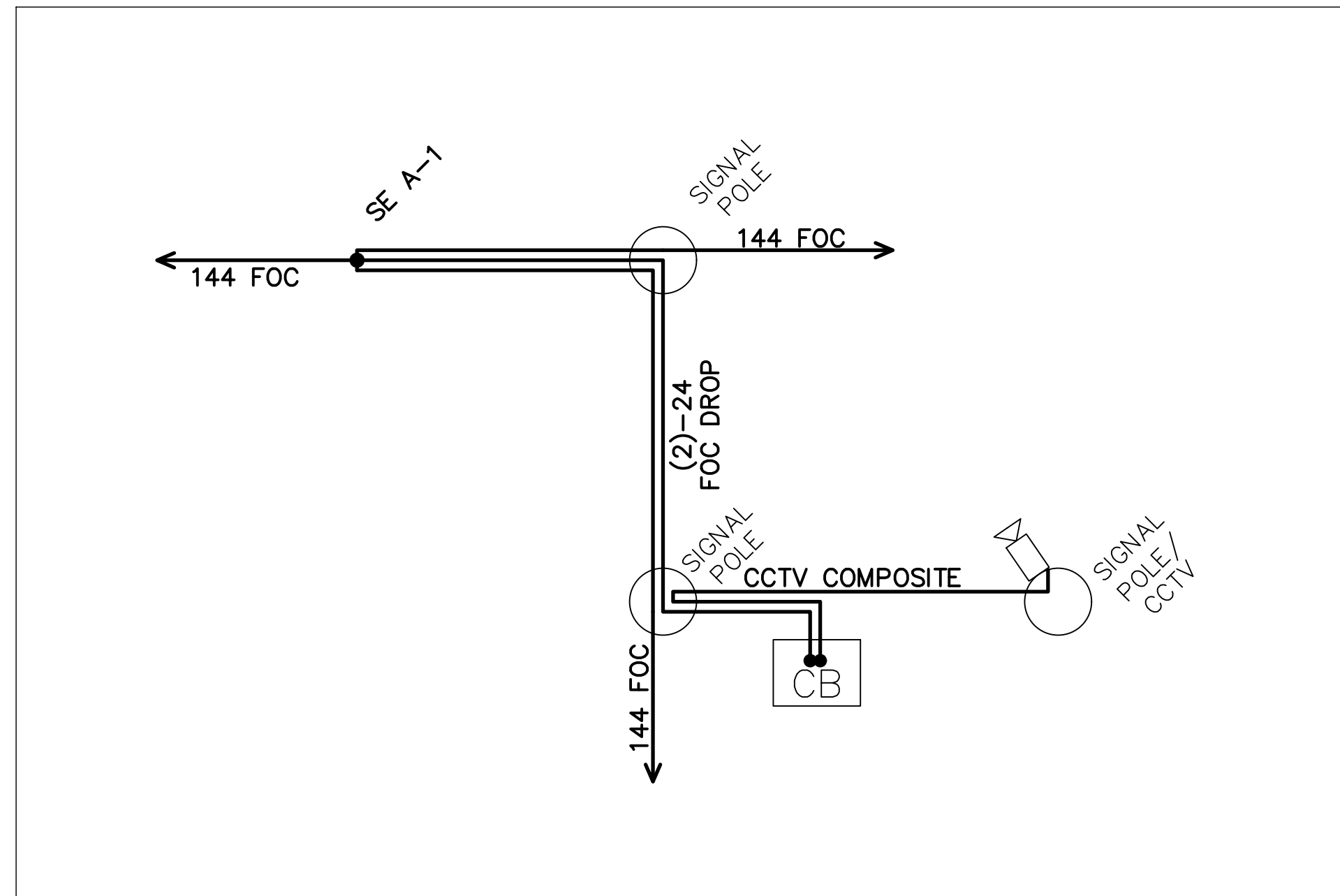
OLENTANGY RIVER RD BETWEEN STATION 106+00 AND 117+00



DETAIL - INT 4096



HORIZONTAL SCALE IN FEET



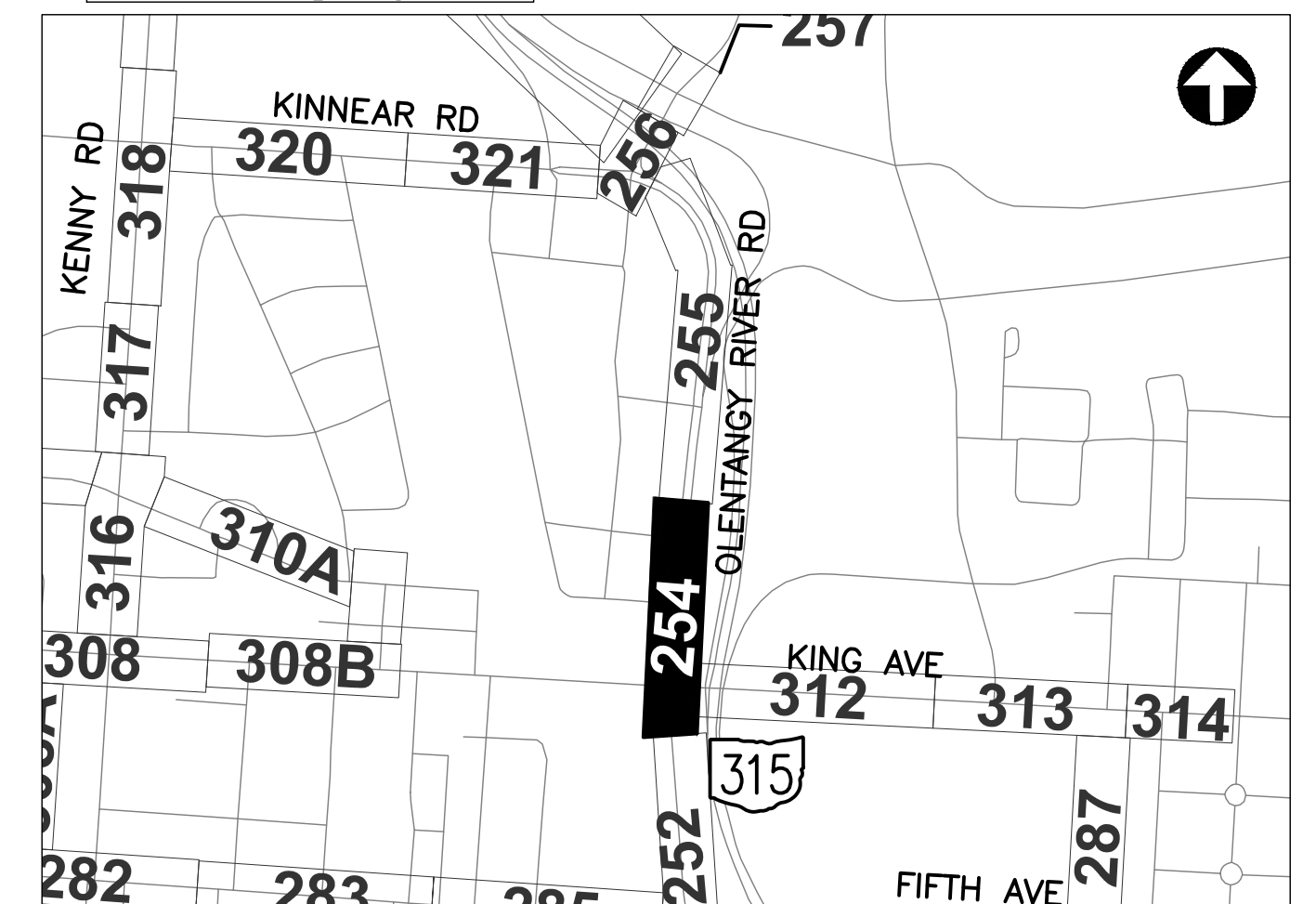
CABLE SCHEMATIC - INT 4096  
NOT TO SCALE

#### NOTES:

1. SEE SHEET 259 FOR QUANTITIES.
2. SEE SHEETS 671 & 744 FOR COMMUNICATION DETAILS.
3. A SIGNAL AGREEMENT EXISTS, RESOLUTION NUMBER 0745-03 (PASSED 4-12-2006), BETWEEN LENNOX TOWN CENTER LIMITED AND CITY OF COLUMBUS THAT PROVIDES A NON-EXCLUSIVE EASEMENT TO THE CITY OF COLUMBUS FOR THE PURPOSE OF INSTALLING AND MAINTAINING TRAFFIC INFRASTRUCTURE.



| CITY OF COLUMBUS UTILITY LEGEND |          |
|---------------------------------|----------|
|                                 | SEWER    |
|                                 | WATER    |
|                                 | POWER    |
|                                 | LIGHTING |



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
OLENTANGY RIVER RD BETWEEN STA. 106+00 AND 117+00, INT 4096

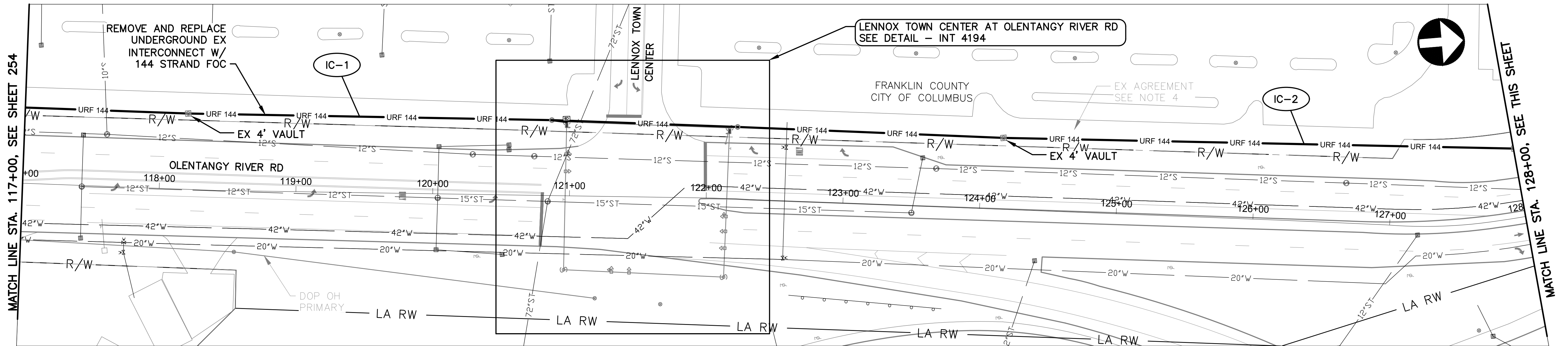
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

254  
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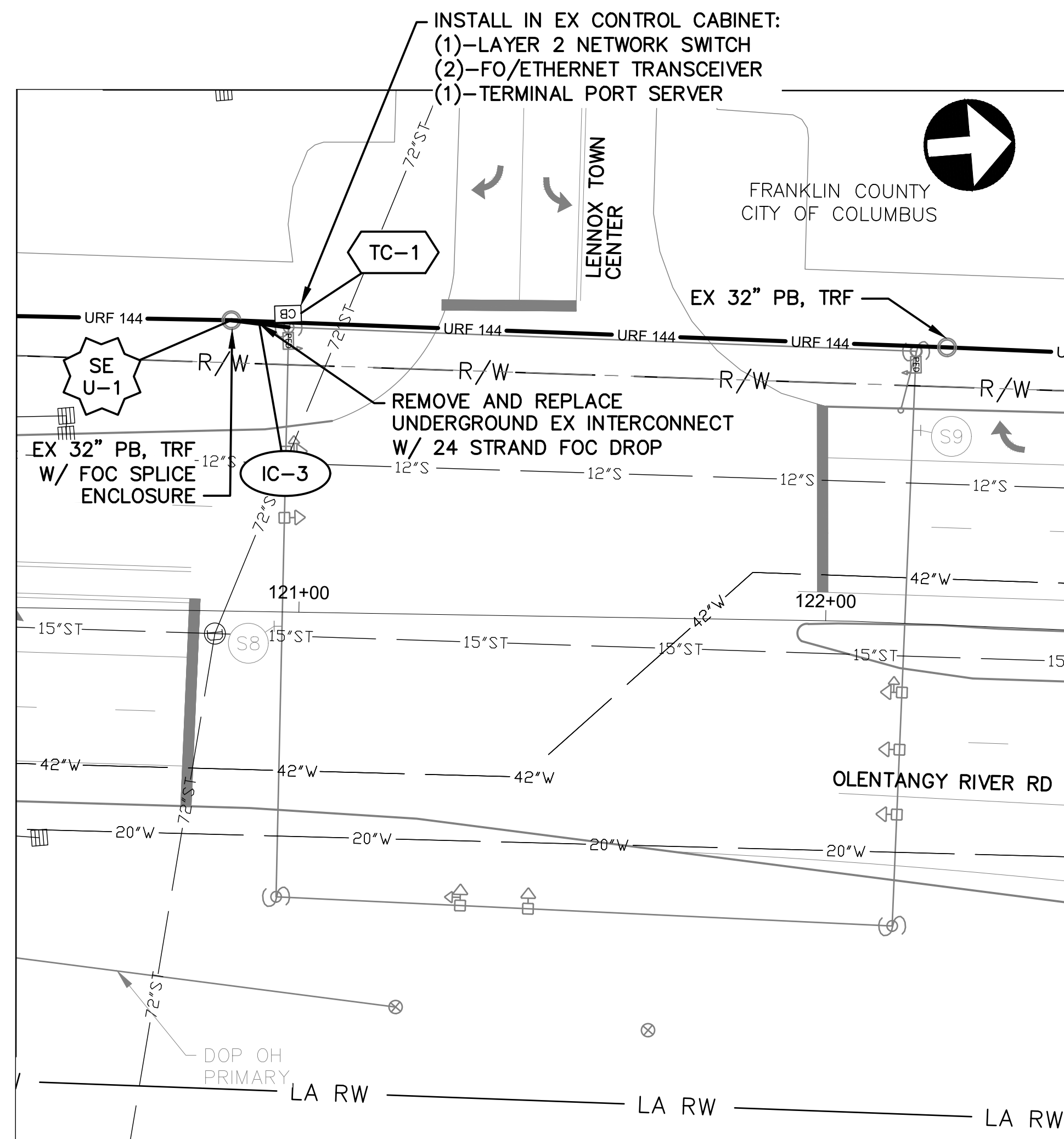
3150-E



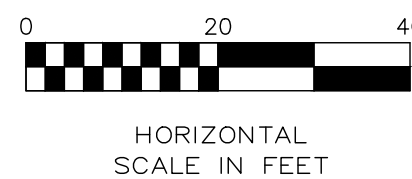
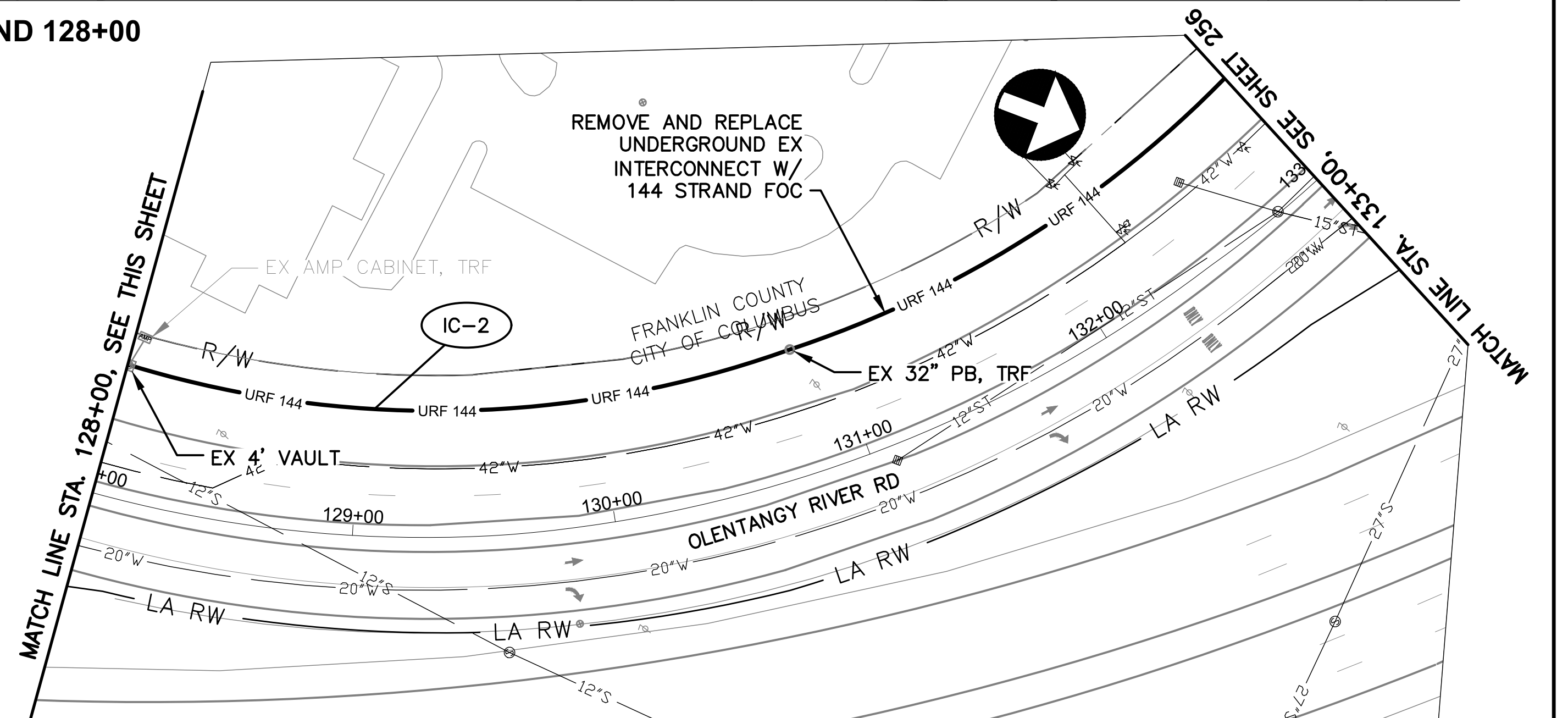
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OLENTANGY RIVER RD BETWEEN STATION 117+00 AND 128+00



DETAIL - INT 4194



OLENTANGY RIVER RD BETWEEN STATION 128+00 AND 133+00

NOTES:

1. SEE SHEET 259 FOR QUANTITIES.
2. SEE SHEETS 670 & 745 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
4. A SIGNAL AGREEMENT EXISTS, RESOLUTION NUMBER 0745-03 (PASSED 4-12-2006), BETWEEN LENNOX TOWN CENTER LIMITED AND THE CITY OF COLUMBUS THAT PROVIDES A NON-EXCLUSIVE EASEMENT TO THE CITY OF COLUMBUS FOR THE PURPOSE OF INSTALLING AND MAINTAINING TRAFFIC INFRASTRUCTURE.



| CITY OF COLUMBUS UTILITY LEGEND     |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input type="checkbox"/>            | LIGHTING |



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
OLENTANGY RIVER RD BETWEEN STA. 117+00 AND 133+00, INT 4194

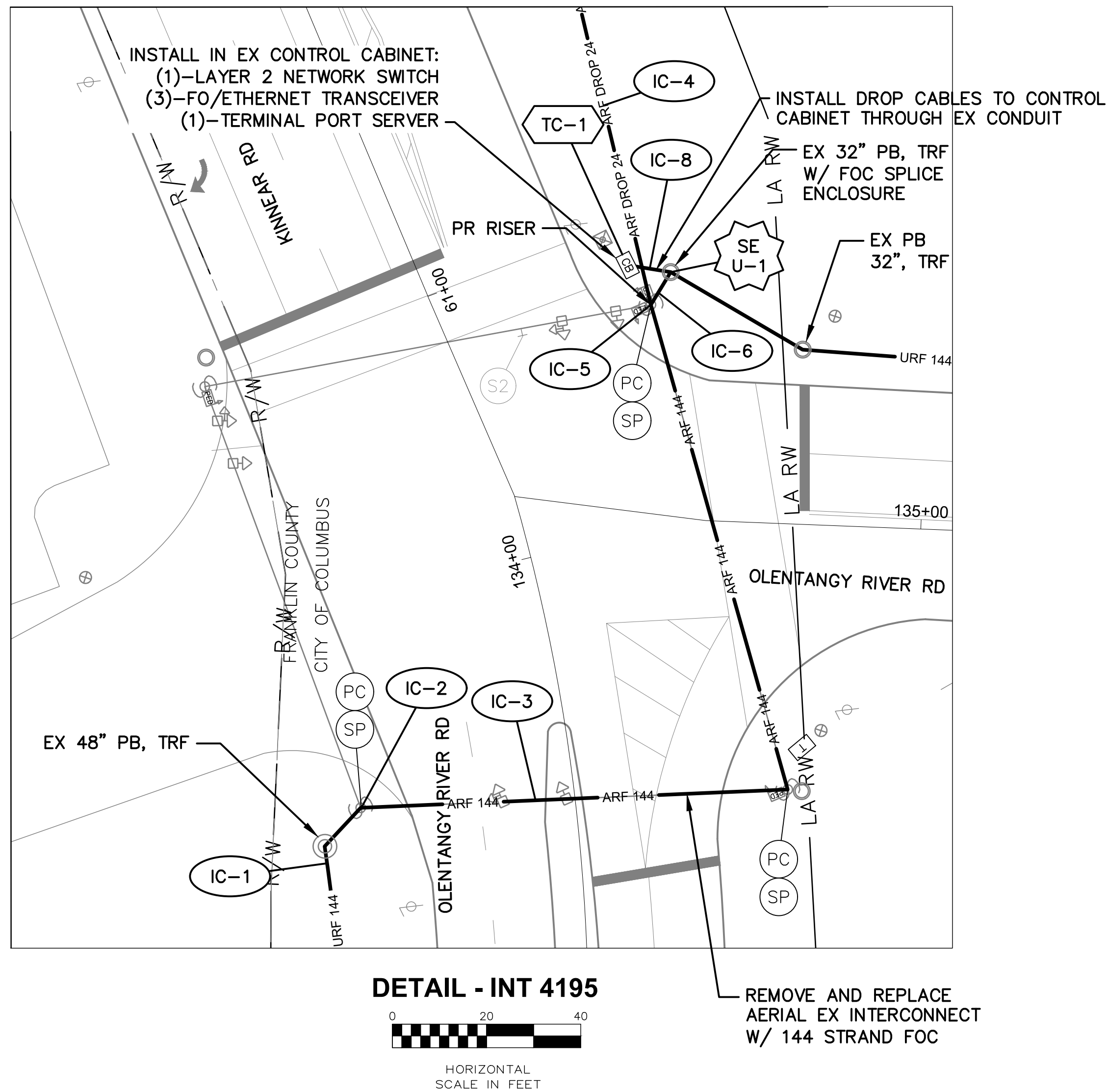
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

255  
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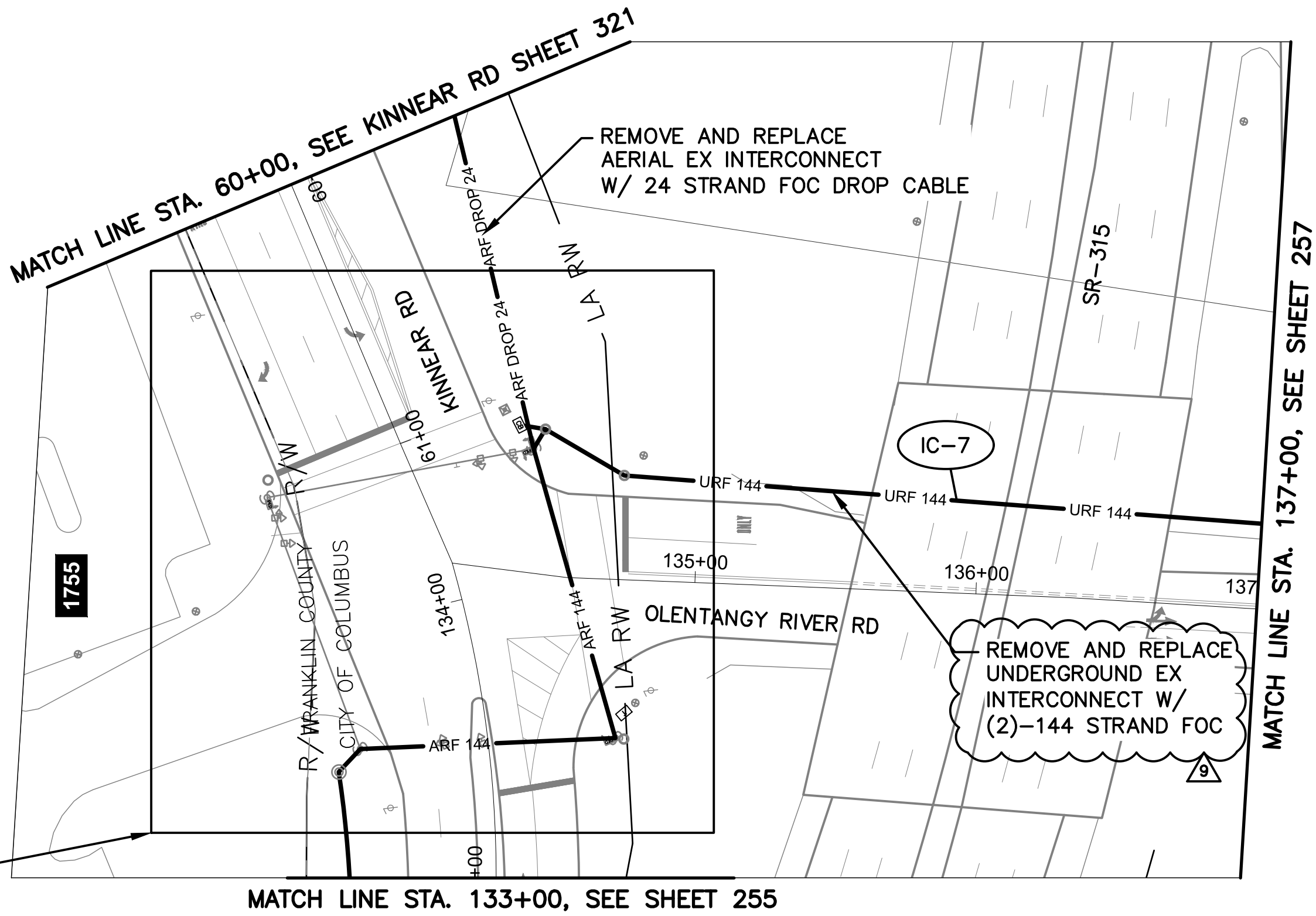
3150-E



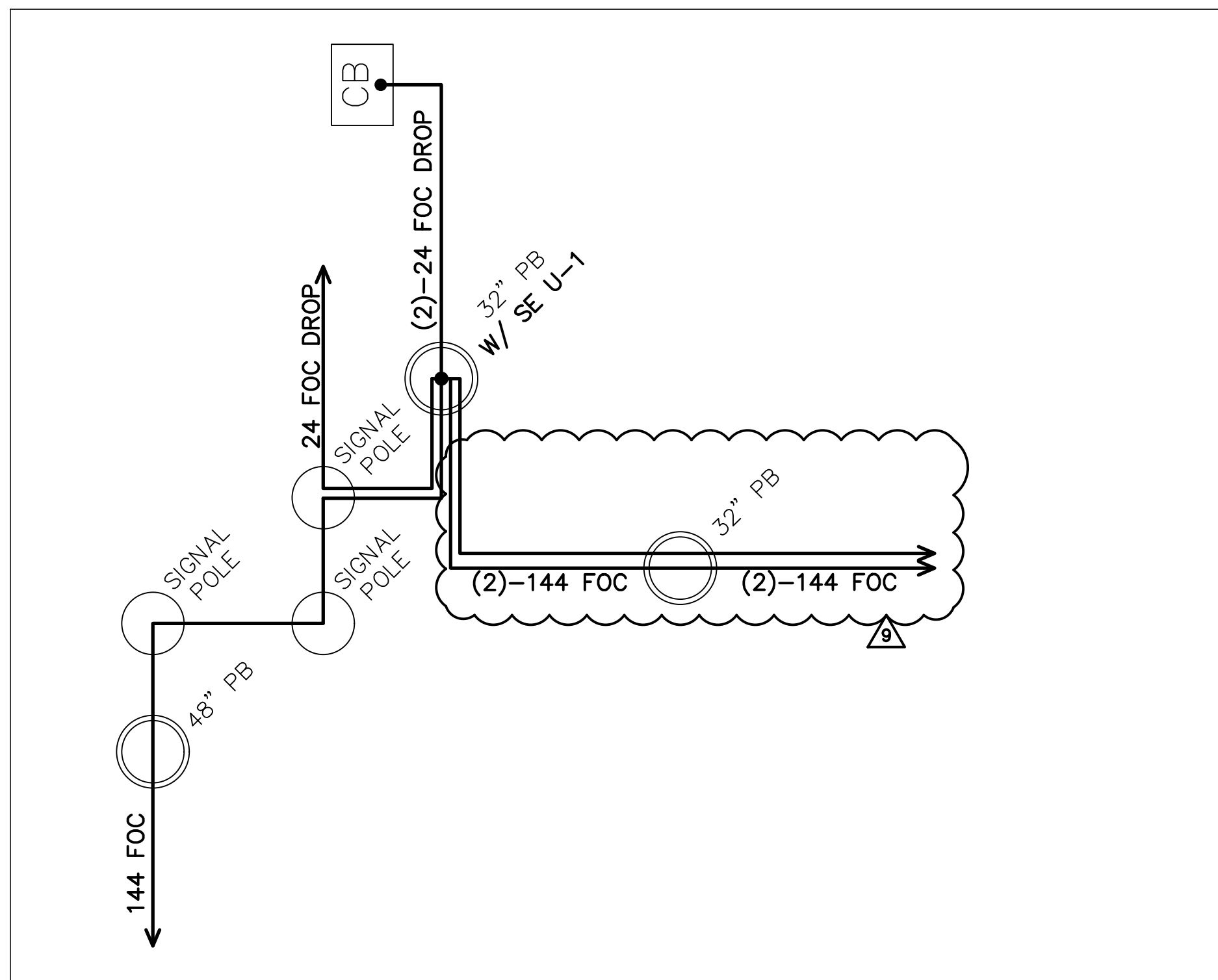
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KINNEAR RD AT OLENTANGY RIVER RD  
SEE DETAIL - INT 4195



### OLENTANGY RIVER RD BETWEEN STATION 133+00 AND 137+00



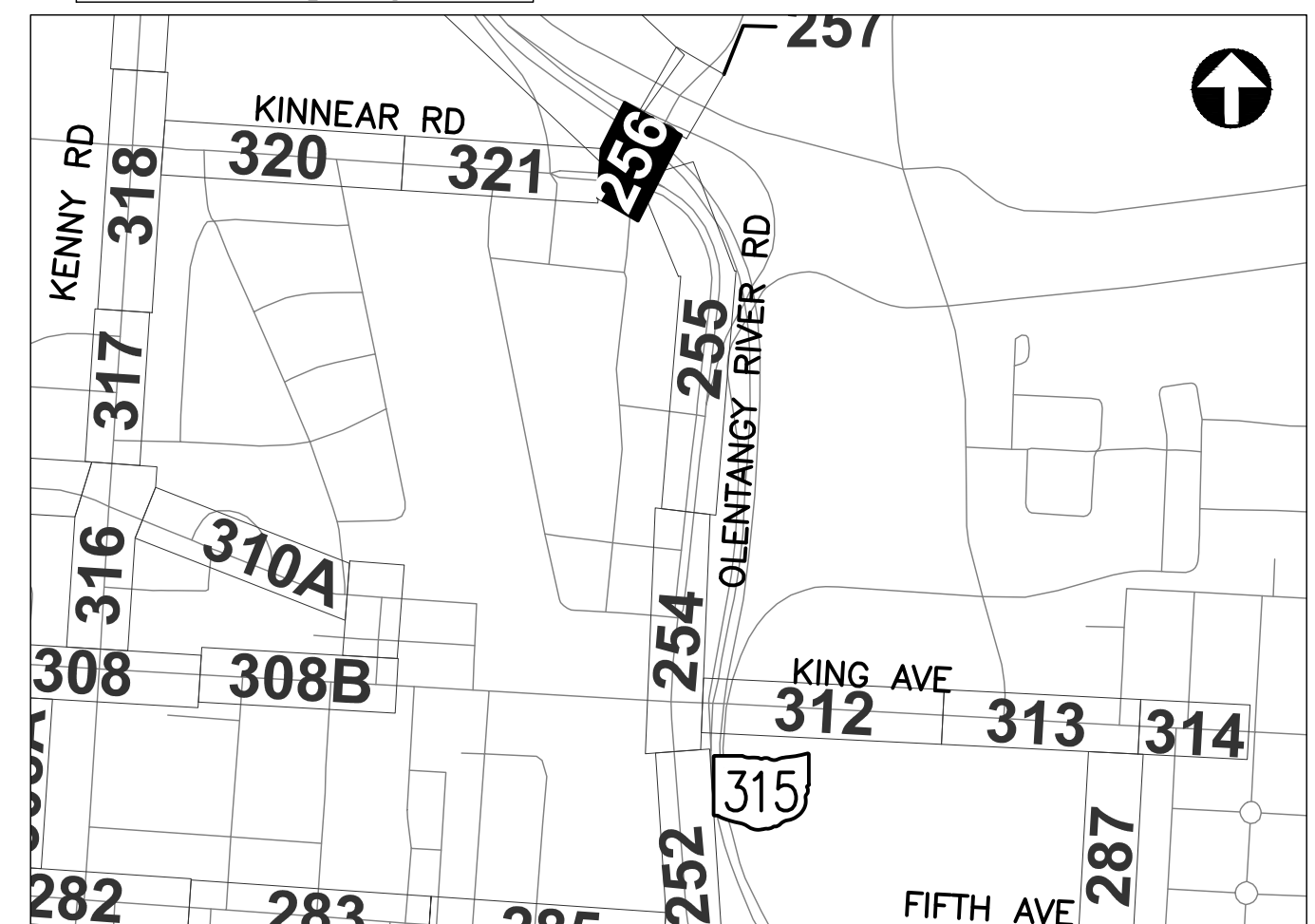
### NOTES:

- SEE SHEET 259 FOR QUANTITIES.
- SEE SHEETS 670 & 746 FOR COMMUNICATION DETAILS.
- LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
- A SIGNAL AGREEMENT EXISTS, RESOLUTION NUMBER 0745-03, BETWEEN LENNOX TOWN CENTER LIMITED AND CITY OF COLUMBUS THAT PROVIDES A NON-EXCLUSIVE EASEMENT TO LENNOX TOWN CENTER FOR THE PURPOSE OF INSTALLING AND MAINTAINING TRAFFIC INFRASTRUCTURE.



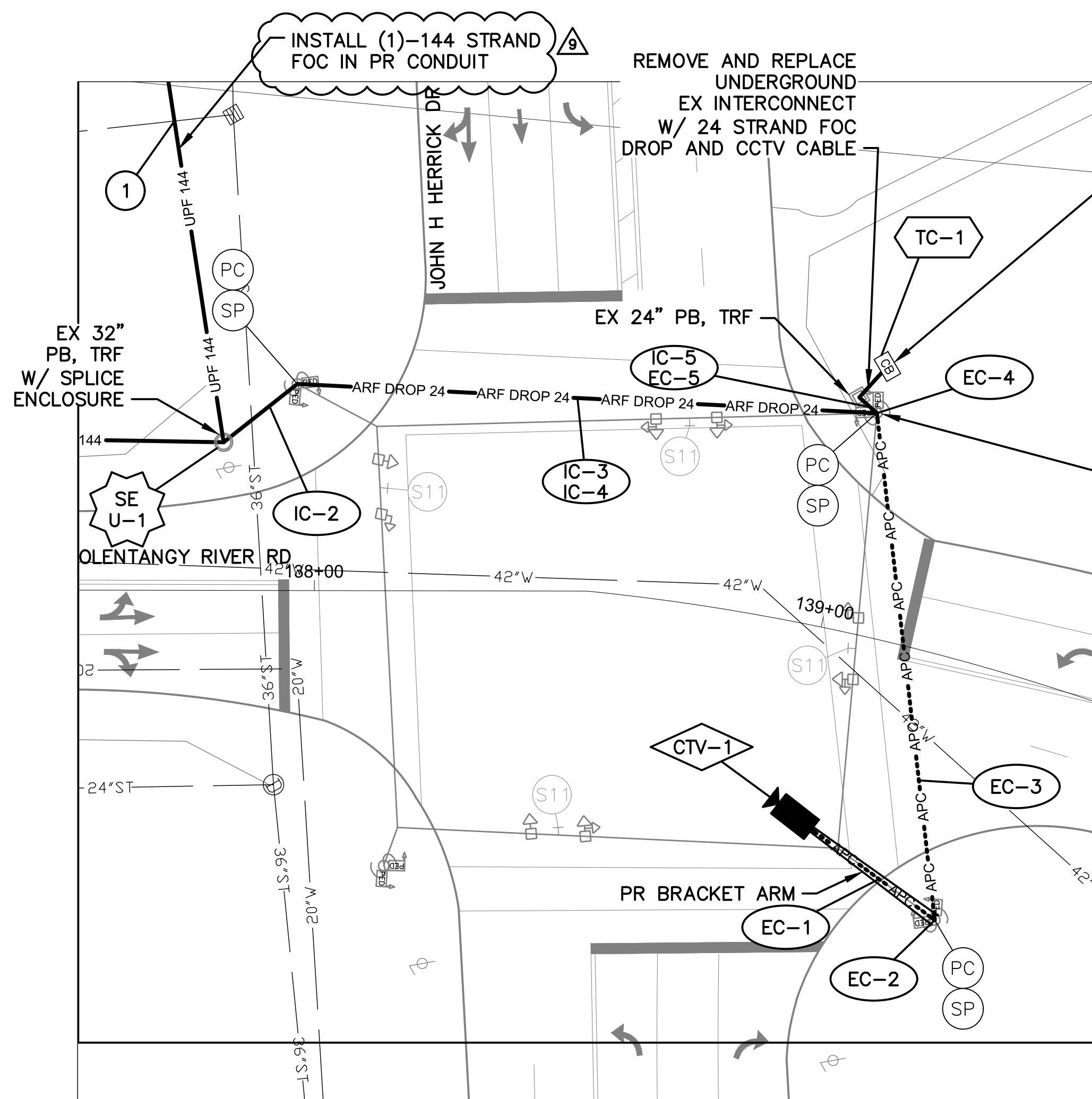
CITY OF COLUMBUS  
UTILITY LEGEND

|                          |          |
|--------------------------|----------|
| <input type="checkbox"/> | SEWER    |
| <input type="checkbox"/> | WATER    |
| <input type="checkbox"/> | POWER    |
| <input type="checkbox"/> | LIGHTING |



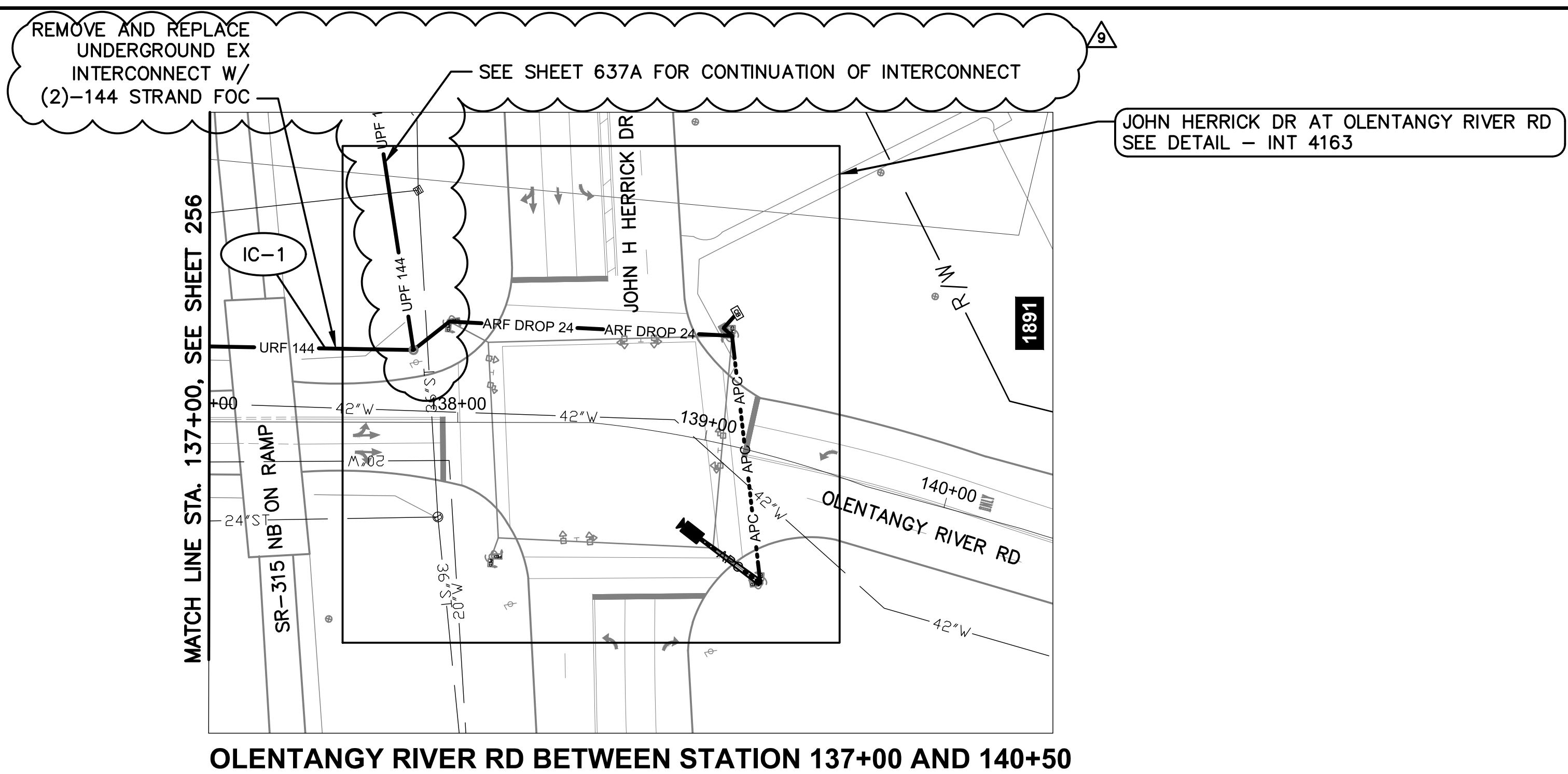


J:\Jobs\60135\TCHP000\Streets\CTSS\_Phd\_Trunk3\_OLENTANGY\_INTERCONNECT.dwg - OLENTANGY-10 layout ~ last saved by jpeems 03/18/2020 03:36pm ~ printed 03/18/2020 07:34pm



**DETAIL - INT 4163**

0 20 40  
HORIZONTAL  
SCALE IN FEET



**OLENTANGY RIVER RD BETWEEN STATION 137+00 AND 140+50**

INSTALL IN EX CONTROL CABINET:  
(1)-LAYER 2 NETWORK SWITCH  
(1)-FO/ETHERNET TRANSCEIVER  
(1)-TERMINAL PORT SERVER

| PRIMARY SHEET # | SECONDARY SHEET # | UTILITY CROSSING ID# | STATION        | UTILITY TYPE/SIZE | TOP OF EXISTING UTILITY | EXISTING GROUND ELEVATION | BOTTOM OF PROPOSED ELEVATION | VERTICAL SEPARTION FEET | UTILITY REFERENCE PLAN OR OWNER |
|-----------------|-------------------|----------------------|----------------|-------------------|-------------------------|---------------------------|------------------------------|-------------------------|---------------------------------|
| 257             | -                 | 1                    | 137+72, 92' LT | 15" STORM         | 719.0 S                 | 740.1 FG                  | 737.1                        | 18.1                    | FRA-315-2.85                    |

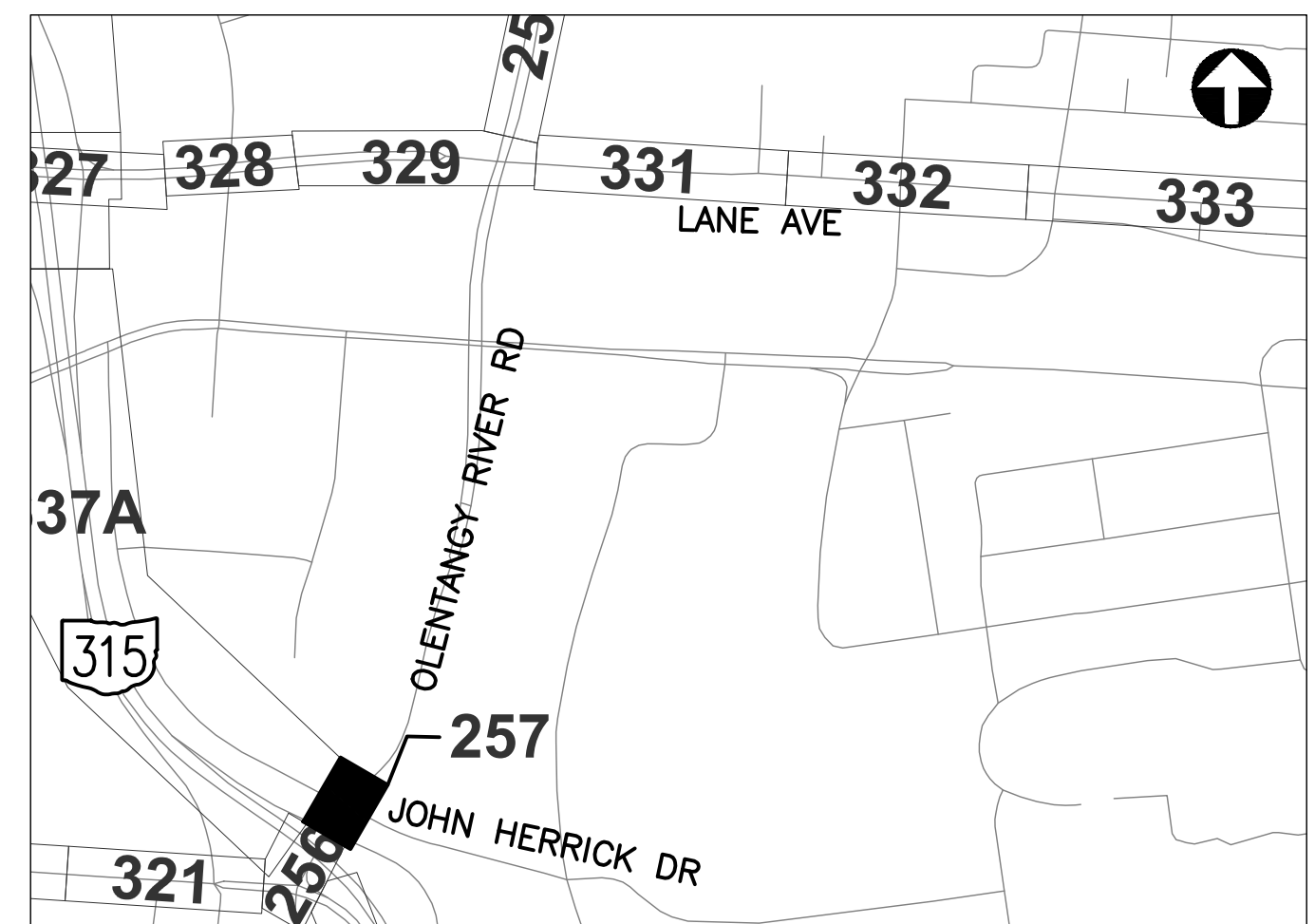
INSTALL 24 STRAND DROP CABLE AND CCTV CABLE TO CONTROL CABINET THROUGH STRAIN POLE AND EX CONDUIT

**NOTES:**

1. SEE SHEET 259 FOR QUANTITIES.
2. SEE SHEETS 670 & 747 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.
4. RESOLUTION NUMBER 0745-03, PASSED AUGUST 07, 2003 PROVIDES INGRESS/EGRESS TO OSU PROPERTY.



- CITY OF COLUMBUS  
UTILITY LEGEND
- SEWER
  - WATER
  - POWER
  - LIGHTING



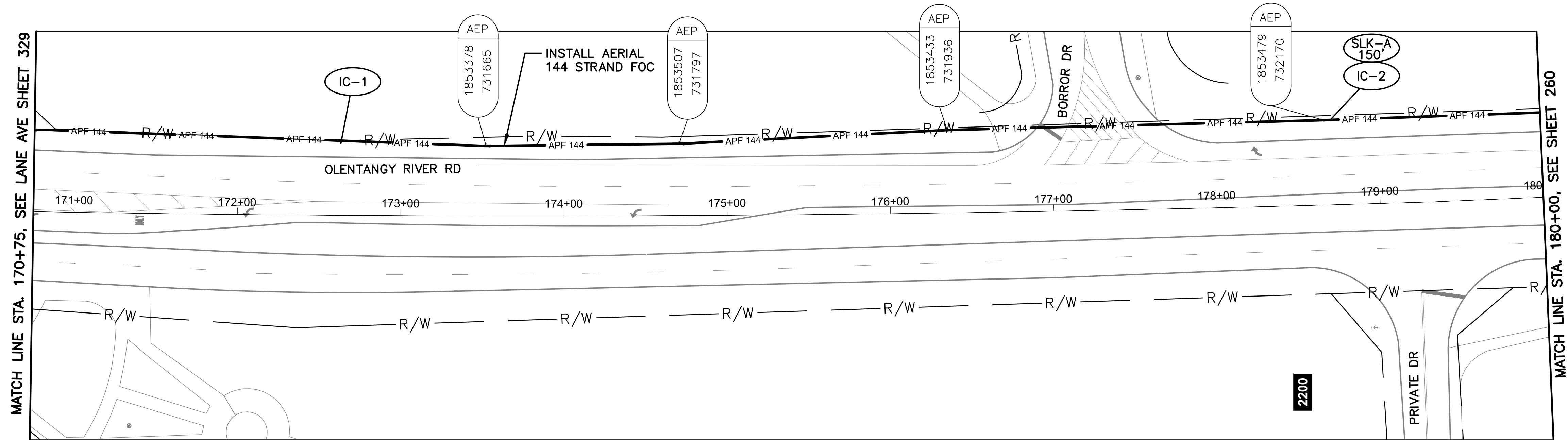
REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE

REVISION 9.0  
12-17-2018  
**3150-E**



J:\Jobs\60135\TECHPROD\Streets\CTSS\PHD\_Trunk3\_OLENTANGY2\_INTERCONNECT.dwg -- OLENTANGY-12 layout -- last saved by: gburch 11/14/2018 11:28am -- printed 03/18/2020 07:36pm



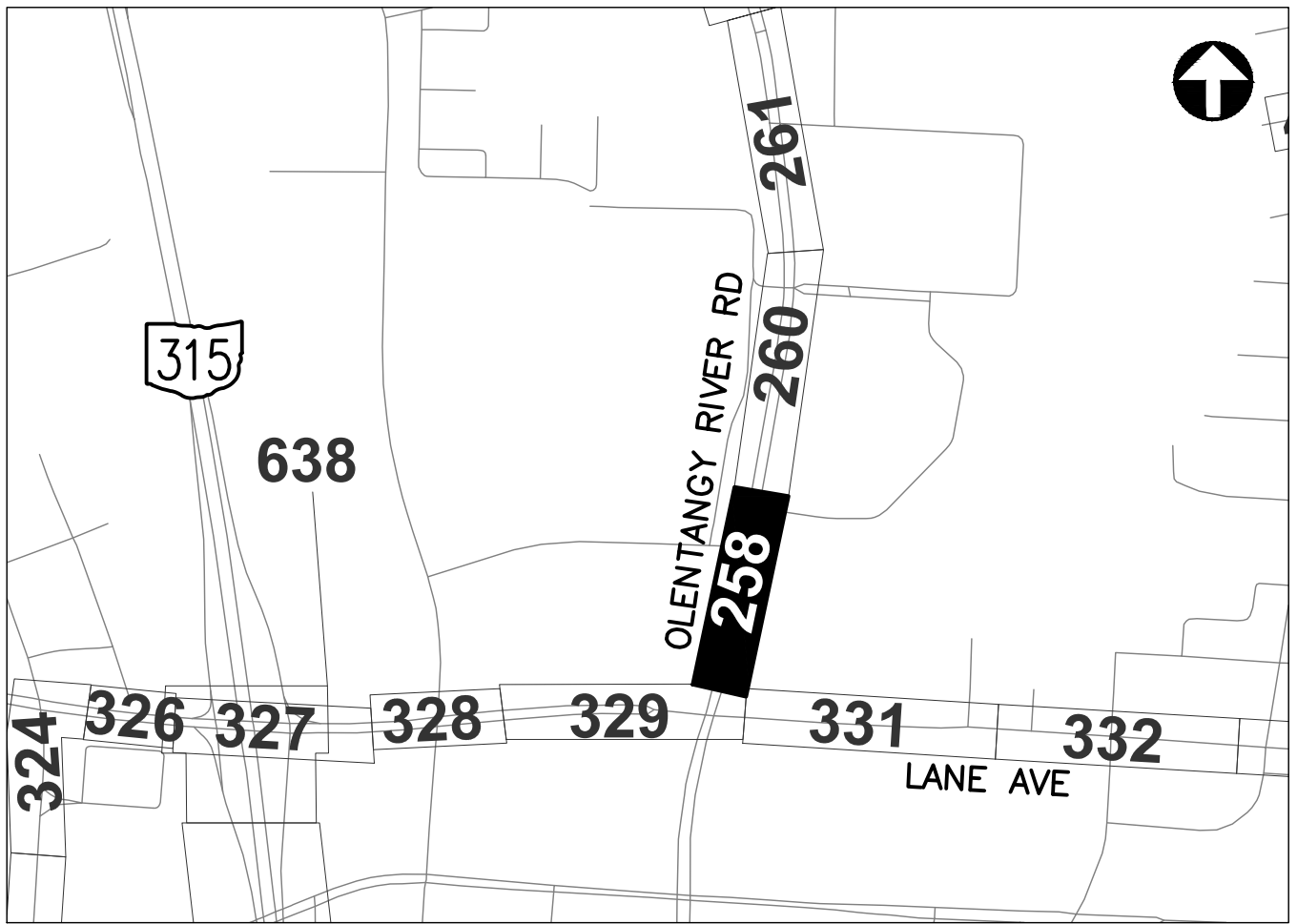
OLENTANGY RIVER RD BETWEEN STATION 170+75 AND 180+00

- NOTES:**
- 1. SEE SHEET 259 FOR QUANTITIES.
  - 2. SEE SHEET 668 FOR COMMUNICATION DETAILS.

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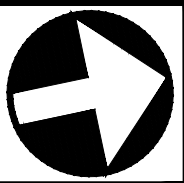
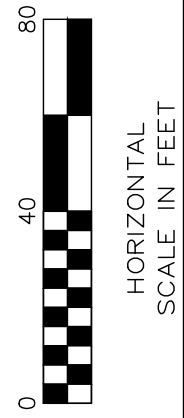
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- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-10006  
PID NUMBER: 82573

INTERCONNECT PLAN  
OLENTANGY RIVER RD BETWEEN STA. 170+75 AND 180+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT



J:\Jobs\60135\TCHPR00\Sheets\CTSS\CTSS\_PWD\_Trunk3\_OLENTANGY\_IC\_QUANTITIES.dwg - OLENTANGY-02 layout ~ last saved by gburch 09/13/2016 11:57am ~ printed 03/18/2020 07:36pm

| ESTIMATED QUANTITIES                                         |               |                    |                 |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
|--------------------------------------------------------------|---------------|--------------------|-----------------|-----------------|------------------------------------------------|------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|---|---|---|---|
| SHEET NO.                                                    | REFERENCE NO. | LOCATION           | STATION         |                 | 202                                            | 625                                      | 632                                               | 632                                                                  | 632                                                                | 632                                                                             | 632                                                                        | 632                                                                                    | 632                                                                                    | 632                                                                                | 632                                                 | 633                                                    | 633                                                                                    | 633                                                           |                                                            |   |   |   |   |
|                                                              |               |                    | FROM            | TO              | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | BRACKET ARM, 30', AS<br>PER PLAN<br>EACH | CONDUIT RISER, 2",<br>725.04, AS PER PLAN<br>EACH | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE<br>EACH | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT<br>FT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | MESSAGE WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE<br>FT | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM<br>EACH | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER ITEM,<br>MISC.: TERMINAL PORT<br>SERVER<br>EACH |   |   |   |   |
| OLENTANGY RIVER RD. BETWEEN STA. 106+00 AND 117+00, INT 4096 |               |                    |                 |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | IC-1          | OLENTANGY RIVER RD | 106+00, 34' LT  | 107+96, 49' LT  |                                                |                                          |                                                   | 200                                                                  |                                                                    | 197                                                                             |                                                                            |                                                                                        |                                                                                        | 200                                                                                |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | IC-5          | OLENTANGY RIVER RD | 107+64, 111' RT | 107+96, 49' LT  |                                                |                                          |                                                   | 165                                                                  |                                                                    | 163                                                                             |                                                                            |                                                                                        |                                                                                        | 165                                                                                |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | IC-6          | OLENTANGY RIVER RD | 107+64, 111' RT |                 |                                                |                                          |                                                   | 35                                                                   |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | IC-7          | OLENTANGY RIVER RD | 107+64, 111' RT | 107+84, 141' RT | 37                                             |                                          |                                                   | 37                                                                   |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | EC-2          | OLENTANGY RIVER RD | 107+78, 63' RT  |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    | 35                                                  |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | EC-3          | OLENTANGY RIVER RD | 107+78, 63' RT  | 107+80, 71' RT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    | 13                                                  |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | IC-9          | OLENTANGY RIVER RD | 107+78, 63' RT  | 107+80, 71' RT  | 13                                             |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | EC-1          | OLENTANGY RIVER RD | 107+78, 63' RT  | 108+74, 67' RT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        | 95                                                                                 | 95                                                  |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | TC-1          | OLENTANGY RIVER RD | 107+80, 71' RT  |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        | 10                                                                                 |                                                     |                                                        | 2                                                                                      | 1                                                             | 1                                                          |   |   |   |   |
| 254                                                          | IC-8          | OLENTANGY RIVER RD | 107+80, 71' RT  | 107+96, 49' LT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            | 2                                                                                      |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | SE A-1        | OLENTANGY RIVER RD | 107+96, 49' LT  |                 |                                                |                                          |                                                   | 225                                                                  | 228                                                                |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | IC-2          | OLENTANGY RIVER RD | 107+96, 49' LT  | 112+42, 46' LT  |                                                |                                          |                                                   | 461                                                                  |                                                                    | 454                                                                             |                                                                            |                                                                                        |                                                                                        | 461                                                                                |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | CTV-1         | OLENTANGY RIVER RD | 108+74, 67' RT  |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     | 1                                                      |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | IC-3          | OLENTANGY RIVER RD | 112+42, 46' LT  |                 |                                                | 1                                        |                                                   | 3                                                                    |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 254                                                          | IC-4          | OLENTANGY RIVER RD | 112+42, 46' LT  | 117+00, 55' LT  | 65                                             |                                          |                                                   | 465                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| OLENTANGY RIVER RD. BETWEEN STA. 117+00 AND 133+00, INT 4194 |               |                    |                 |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 255                                                          | IC-1          | OLENTANGY RIVER RD | 117+00, 55' LT  | 120+86, 55' LT  | 385                                            |                                          |                                                   | 385                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 255                                                          | SE U-1        | OLENTANGY RIVER RD | 120+86, 55' LT  |                 |                                                |                                          |                                                   | 15                                                                   |                                                                    |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 255                                                          | IC-3          | OLENTANGY RIVER RD | 120+86, 55' LT  | 120+86, 55' LT  | 10                                             |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            | 1                                                                                      |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 255                                                          | IC-2          | OLENTANGY RIVER RD | 120+86, 55' LT  | 133+00, 55' LT  |                                                |                                          |                                                   | 1,145                                                                |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 255                                                          | TC-1          | OLENTANGY RIVER RD | 120+97, 54' LT  |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        | 2                                                                                      | 1                                                             | 1                                                          |   |   |   |   |
| OLENTANGY RIVER RD. BETWEEN STA. 133+00 AND 137+00, INT 4198 |               |                    |                 |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 256                                                          | IC-1          | OLENTANGY RIVER RD | 133+00, 52' LT  | 137+00, 52' LT  | 49                                             |                                          |                                                   | 49                                                                   |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 256                                                          | IC-2          | OLENTANGY RIVER RD | 133+00, 52' LT  | 137+00, 52' LT  |                                                |                                          |                                                   | 35                                                                   |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 256                                                          | IC-3          | OLENTANGY RIVER RD | 133+52, 45' LT  | 134+37, 44' LT  |                                                |                                          |                                                   | 201                                                                  |                                                                    | 198                                                                             |                                                                            |                                                                                        |                                                                                        | 201                                                                                |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 256                                                          | IC-4          | KINNEAR RD         | 60+00, 63' LT   | 61+20, 43' LT   |                                                |                                          |                                                   | 123                                                                  |                                                                    | 121                                                                             |                                                                            |                                                                                        |                                                                                        | 123                                                                                |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 256                                                          | IC-8          | OLENTANGY RIVER RD | 134+31, 52' LT  | 134+40, 51' LT  | 14                                             |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            | 2                                                                                      |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 256                                                          | TC-1          | OLENTANGY RIVER RD | 134+31, 52' LT  |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        | 1                                                             |                                                            |   |   |   |   |
| 256                                                          | IC-5          | OLENTANGY RIVER RD | 134+31, 52' LT  |                 |                                                |                                          |                                                   | 0                                                                    |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 256                                                          | IC-6          | OLENTANGY RIVER RD | 134+31, 52' LT  | 137+00, 51' LT  | 8                                              |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 256                                                          | SE U-1        | OLENTANGY RIVER RD | 134+40, 51' LT  |                 |                                                |                                          |                                                   | 225                                                                  | 228                                                                |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 256                                                          | IC-7          | OLENTANGY RIVER RD | 134+40, 51' LT  | 137+00, 30' LT  | 275                                            |                                          |                                                   | 275                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| OLENTANGY RIVER RD. BETWEEN STA. 137+00 AND 140+50, INT 4163 |               |                    |                 |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 257                                                          | IC-1          | OLENTANGY RIVER RD | 137+00, 30' LT  | 137+82, 29' LT  | 82                                             |                                          |                                                   | 82                                                                   |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 257                                                          | SE U-1        | OLENTANGY RIVER RD | 137+82, 29' LT  |                 |                                                |                                          |                                                   | 75                                                                   | 12                                                                 |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 257                                                          | IC-2          | OLENTANGY RIVER RD | 137+82, 29' LT  | 137+96, 41' LT  | 18                                             |                                          |                                                   | 18                                                                   |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 257                                                          | IC-4          | OLENTANGY RIVER RD | 137+82, 29' LT  | 139+02, 53' LT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        | 1                                                                                      |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 257                                                          | IC-3          | OLENTANGY RIVER RD | 137+96, 41' LT  | 139+02, 43' LT  |                                                |                                          |                                                   |                                                                      |                                                                    | 114                                                                             |                                                                            |                                                                                        |                                                                                        | 116                                                                                |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 257                                                          | IC-5          | OLENTANGY RIVER RD | 139+02, 43' LT  | 139+02, 53' LT  | 18                                             |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 257                                                          | EC-4          | OLENTANGY RIVER RD | 139+02, 43' LT  |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 257                                                          | EC-5          | OLENTANGY RIVER RD | 139+02, 43' LT  | 139+02, 53' LT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    | 35                                                  |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 257                                                          | EC-3          | OLENTANGY RIVER RD | 139+02, 43' LT  | 139+39, 50' RT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        | 100                                                                                | 100                                                 |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 257                                                          | TC-1          | OLENTANGY RIVER RD | 139+02, 53' LT  |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    | 10                                                  |                                                        | 1                                                                                      | 1                                                             | 1                                                          |   |   |   |   |
| 257                                                          | CTV-1         | OLENTANGY RIVER RD | 139+06, 39' RT  |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 257                                                          | EC-1          | OLENTANGY RIVER RD | 139+06, 39' RT  | 139+39, 50' RT  |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 257                                                          | EC-2          | OLENTANGY RIVER RD | 139+39, 50' RT  |                 |                                                | 1                                        |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    | 30                                                  |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| OLENTANGY RIVER RD. BETWEEN STA. 170+75 AND 180+00           |               |                    |                 |                 |                                                |                                          |                                                   |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 258                                                          | IC-1          | OLENTANGY RIVER RD | 170+75, 64' LT  | 180+00, 52' LT  |                                                |                                          |                                                   | 939                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        | 939                                                                                |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| 258                                                          | IC-2          | OLENTANGY RIVER RD | 178+70, 53' LT  |                 |                                                |                                          |                                                   | 150                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                    |                                                     |                                                        |                                                                                        |                                                               |                                                            |   |   |   |   |
| SHEET TOTAL                                                  |               |                    |                 |                 | 2,534                                          | 1                                        | 2                                                 | 5,570                                                                | 492                                                                | 1,247                                                                           | 4                                                                          | 3                                                                                      | 3                                                                                      | 2,400                                                                              | 346                                                 | 2                                                      | 8                                                                                      | 4                                                             | 4                                                          | - | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

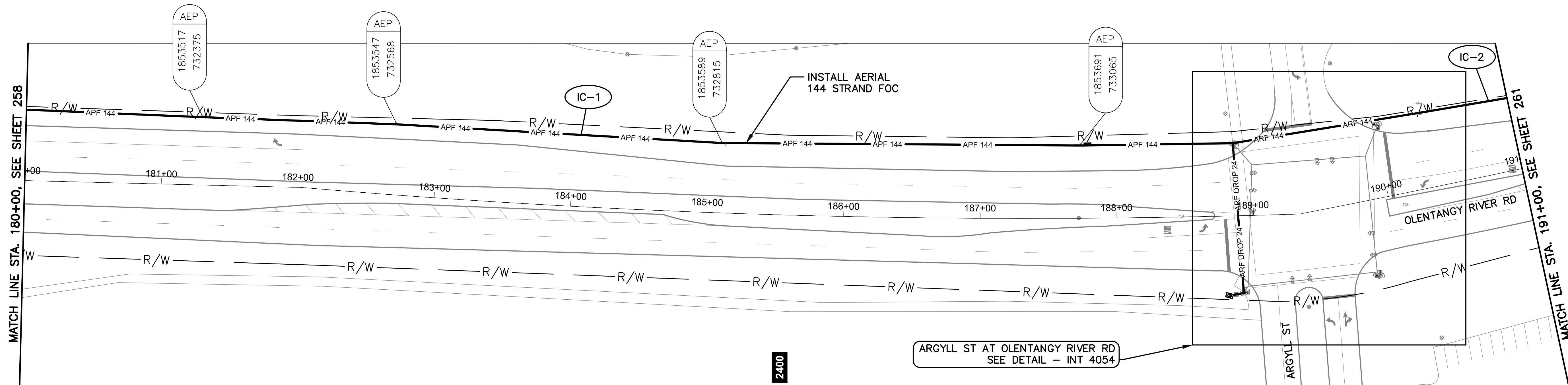
OLENTANGY RIVER RD BTW STA. 106+00 & 180+00  
INTS 4096, 4194, 4195, 4163

CIP: 540007-100006  
PID NUMBER: 82573

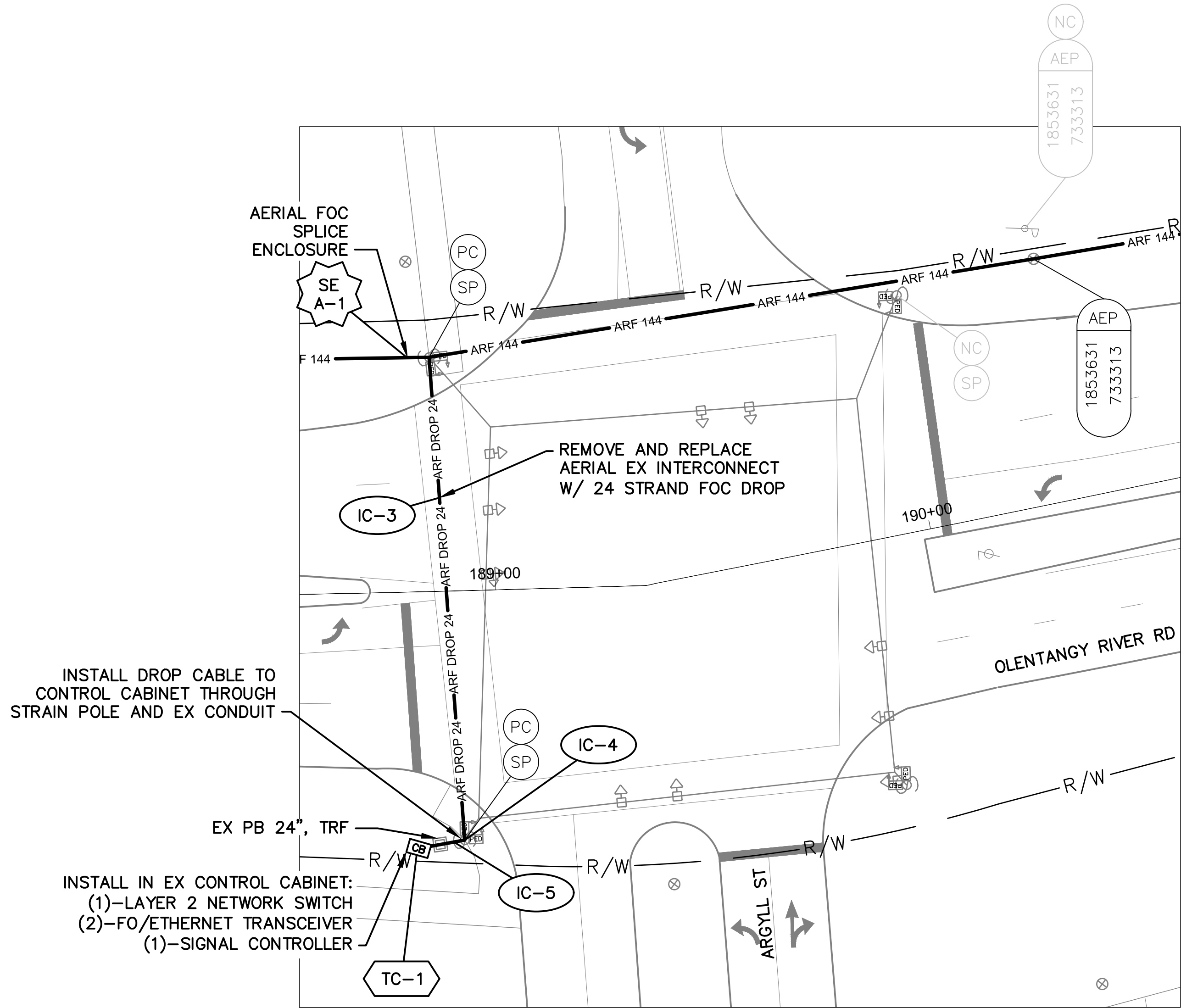
259  
1000



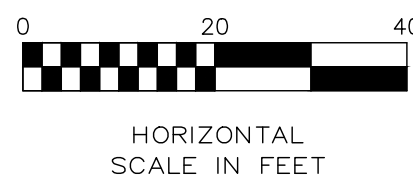
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OLENTANGY RIVER RD BETWEEN STATION 180+00 AND 191+00



DETAIL - INT 4054



NOTES:

1. SEE SHEET 266 FOR QUANTITIES.
2. SEE SHEETS 668 & 762 FOR COMMUNICATION DETAILS.

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UTILITY LEGEND
- SEWER
  - WATER
  - POWER
  - LIGHTING

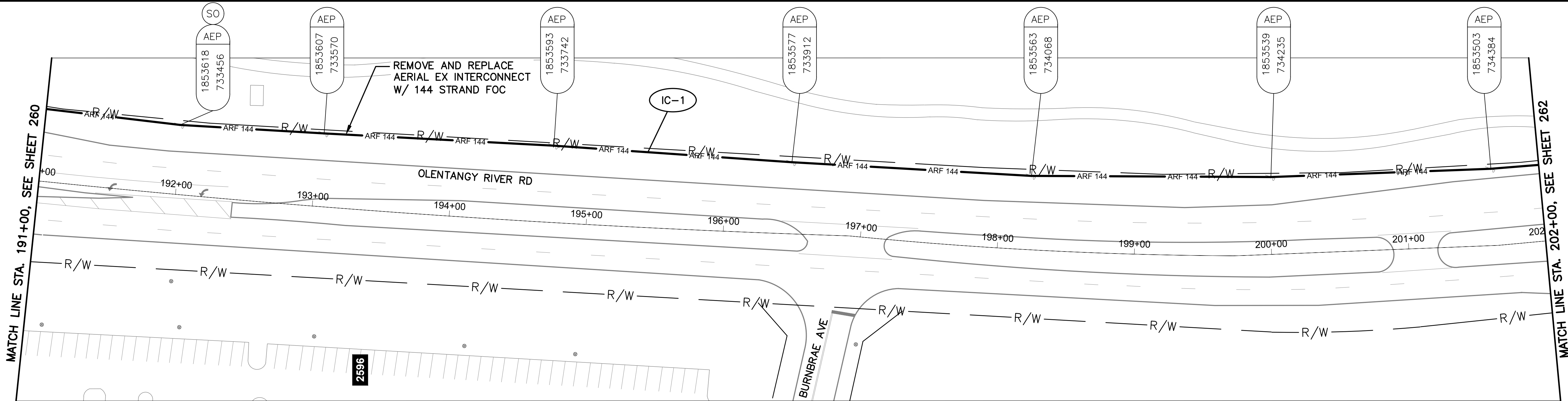


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



J:\Jobs\60135\TECHPROD\Sheets\CTSS\CTSS\_PHD\_Trunk3\_OLENTANGY2\_INTERCONNECT.dwg -- OLENTANGY-14 layout -- last saved by: gburch 11/14/2018 11:28am -- printed 03/18/2020 07:39pm

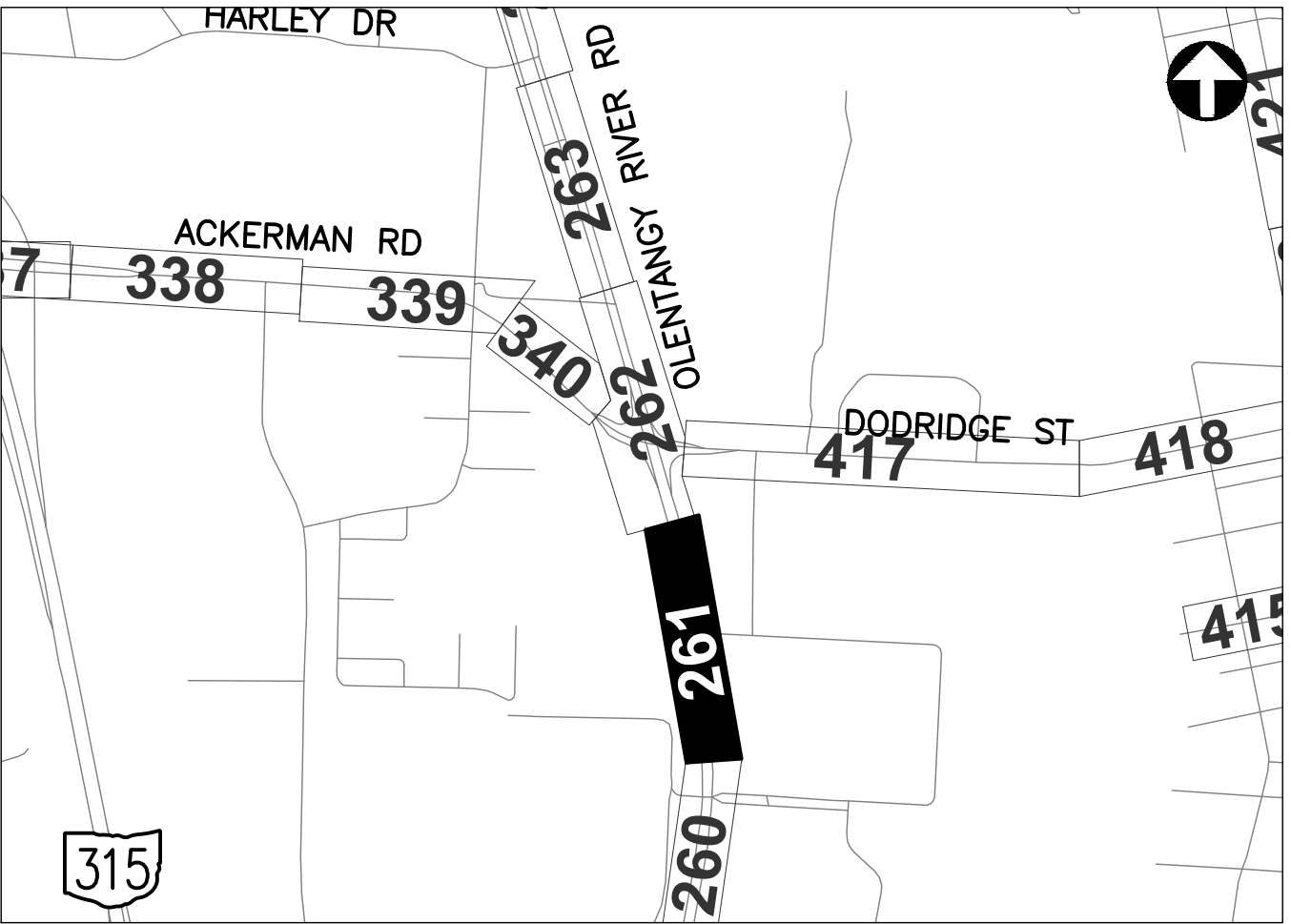


OLENTANGY RIVER RD BETWEEN STATION 191+00 AND 202+00

- NOTES:
- 1. SEE SHEET 266 FOR QUANTITIES.
  - 2. SEE SHEET 668 FOR COMMUNICATION DETAILS.

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- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

HORIZONTAL  
SCALE IN FEET

CIP: 540007-100006  
PID NUMBER: 82573

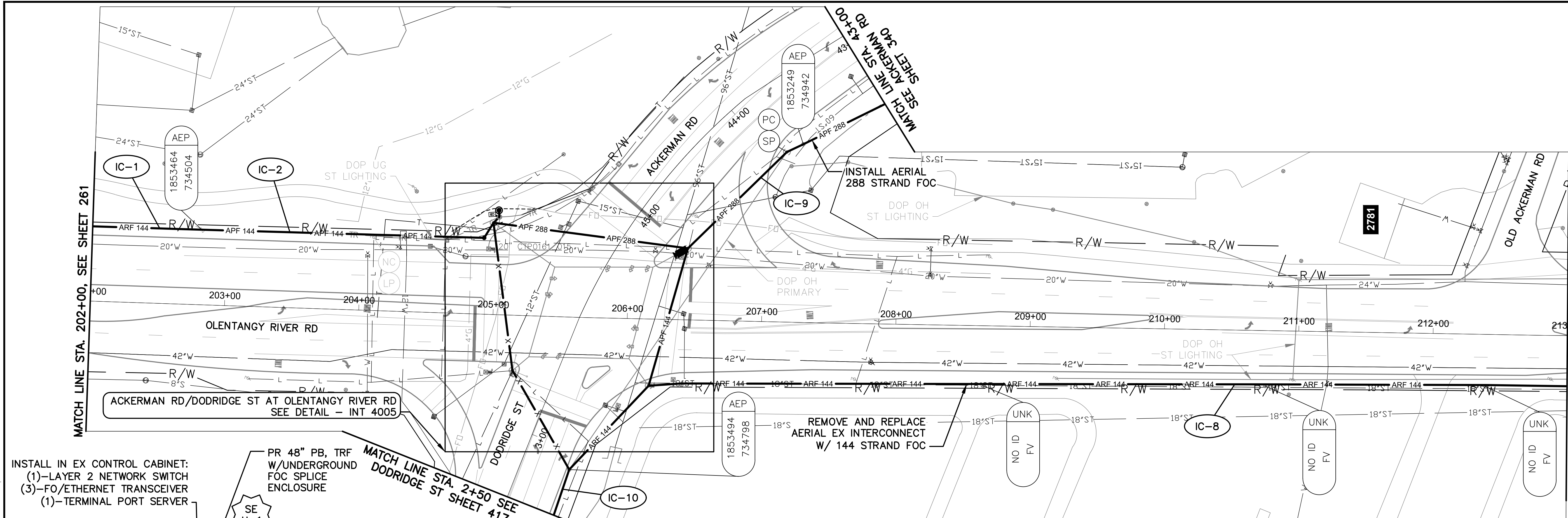
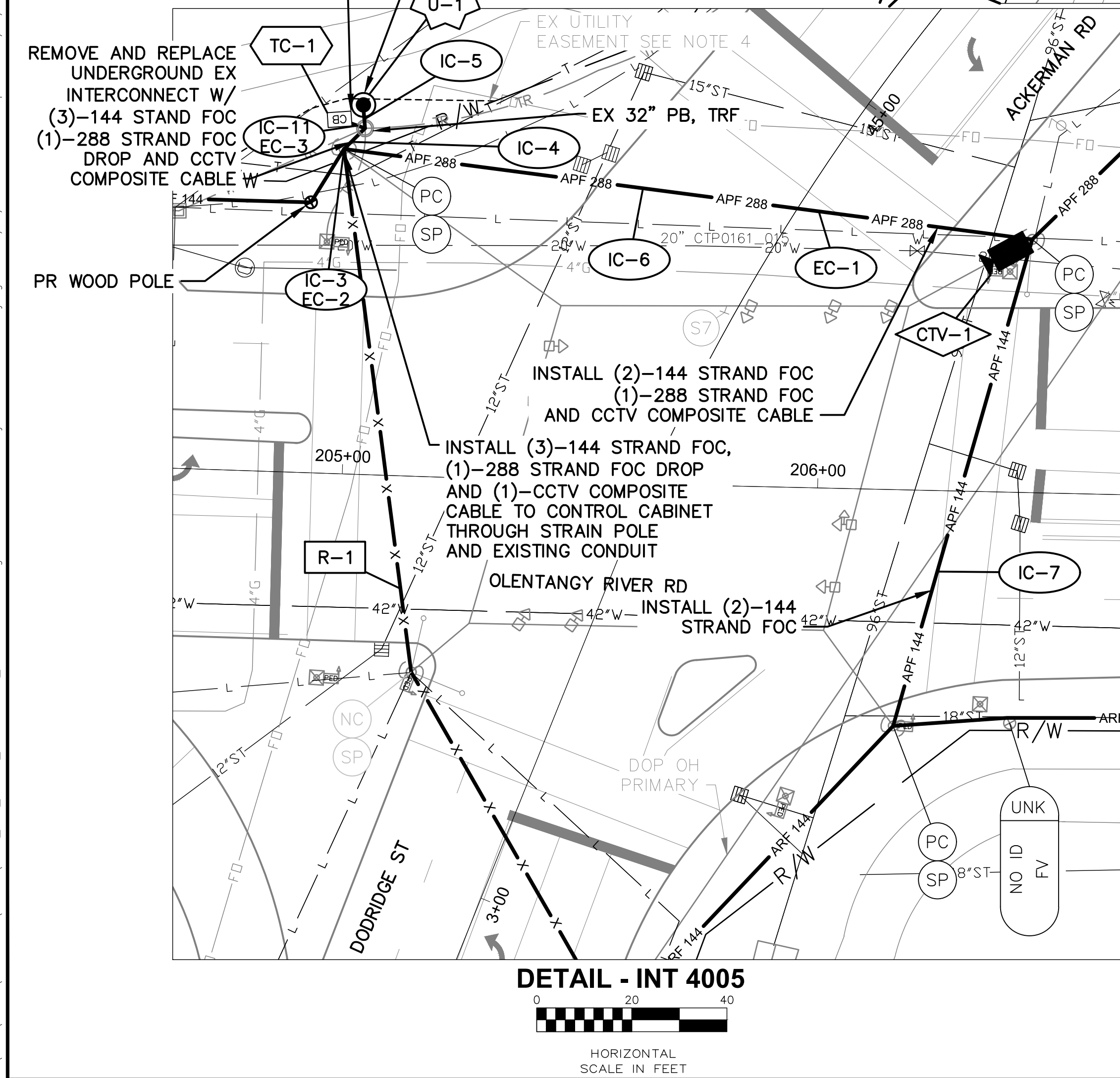
INTERCONNECT PLAN  
OLENTANGY RIVER RD BETWEEN STA. 191+00 AND 202+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT

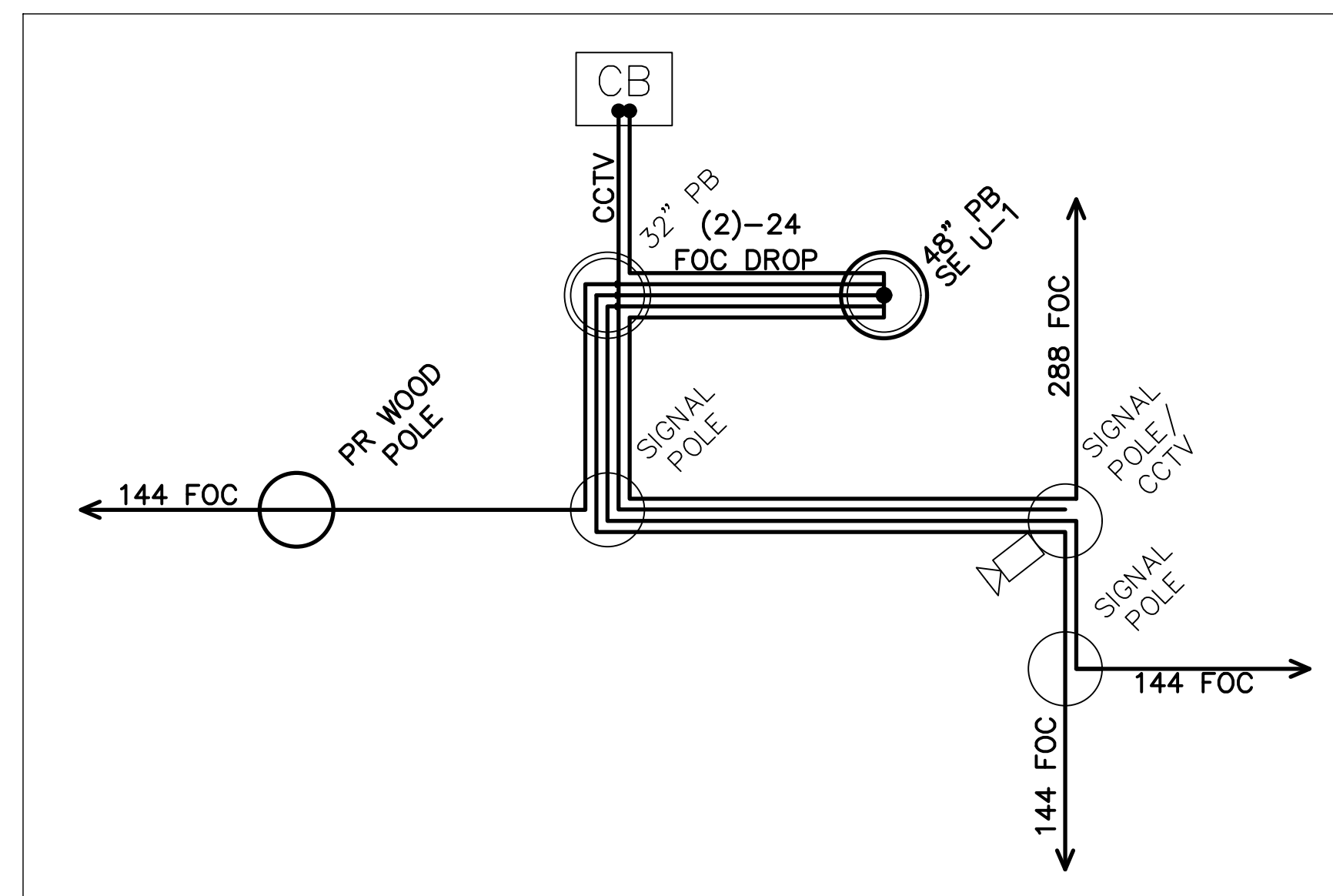
261  
1000



J:\Jobs\60135\TCHPR00\Sheets\CTSS\CTSS\_PHD\_Trunk3\_01ENTANGY2\_INTERCONNECT.dwg - OLENTANGY-15 layout - last saved by: ghbreth 11/14/2018 11:29am ~ printed 03/18/2020 07:40pm



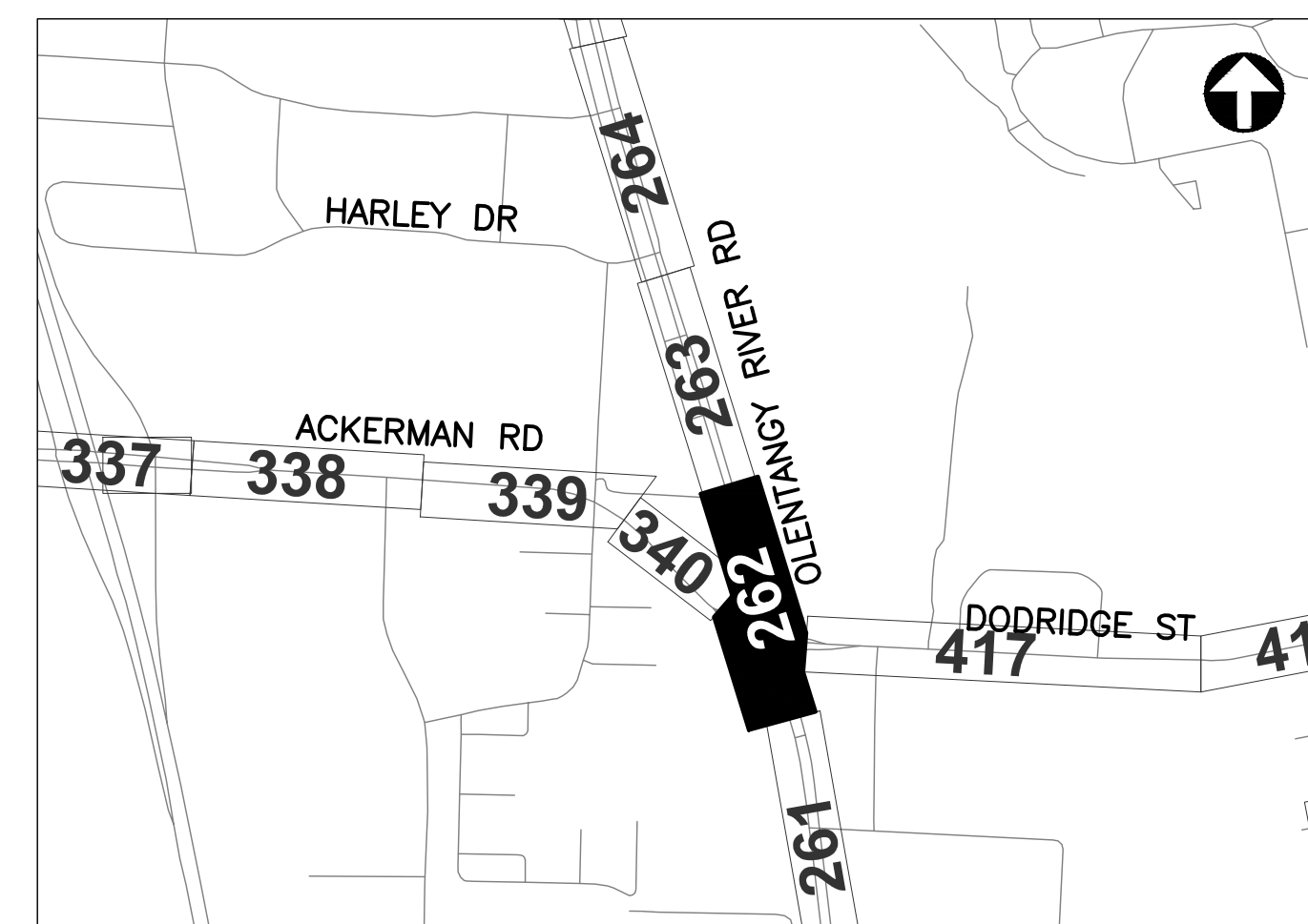
### OLENTANGY RIVER RD BETWEEN STATION 202+00 AND 213+00



CABLE SCHEMATIC - INT 4005  
NOT TO SCALE

#### NOTES:

1. SEE SHEET 266 FOR QUANTITIES.
2. SEE SHEETS 668 & 768 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 4005, PROVIDE 75' OF SLACK FROM ALL FOUR DIRECTIONS FOR THE 300' TOTAL.
4. EXISTING OSU EASEMENT #201410080133495.



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

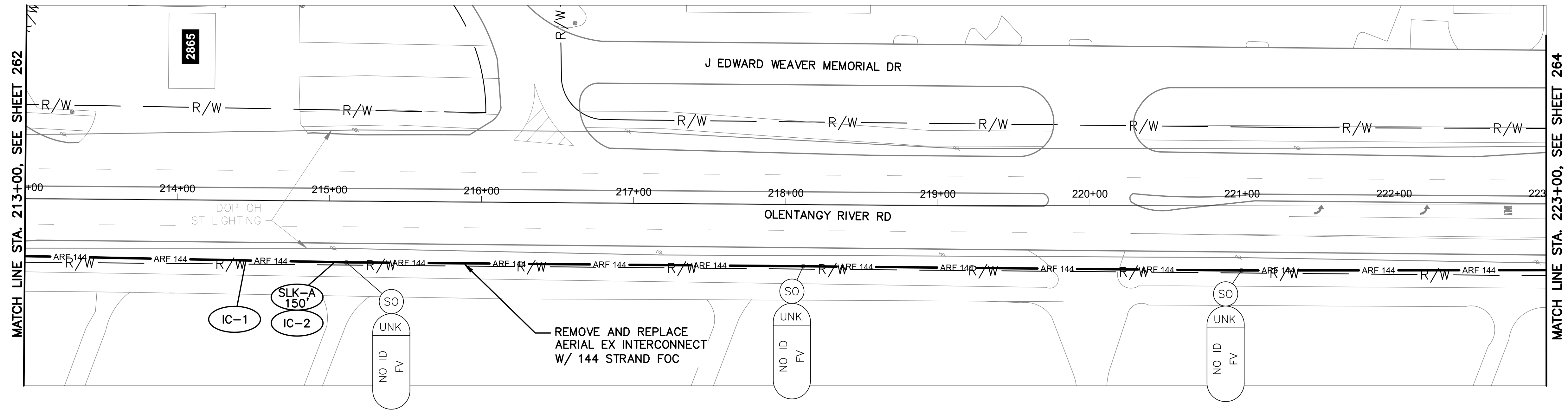
KEY PLAN  
NOT TO SCALE

- CITY OF COLUMBUS  
UTILITY LEGEND
- SEWER
  - WATER
  - POWER
  - LIGHTING





J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk3\_OLENTANGY2\_INTERCONNECT.dwg — OLENTANGY-16 layout ~ last saved by: gburch 11/14/2018 11:28am ~ printed: 03/18/2020 07:49pm



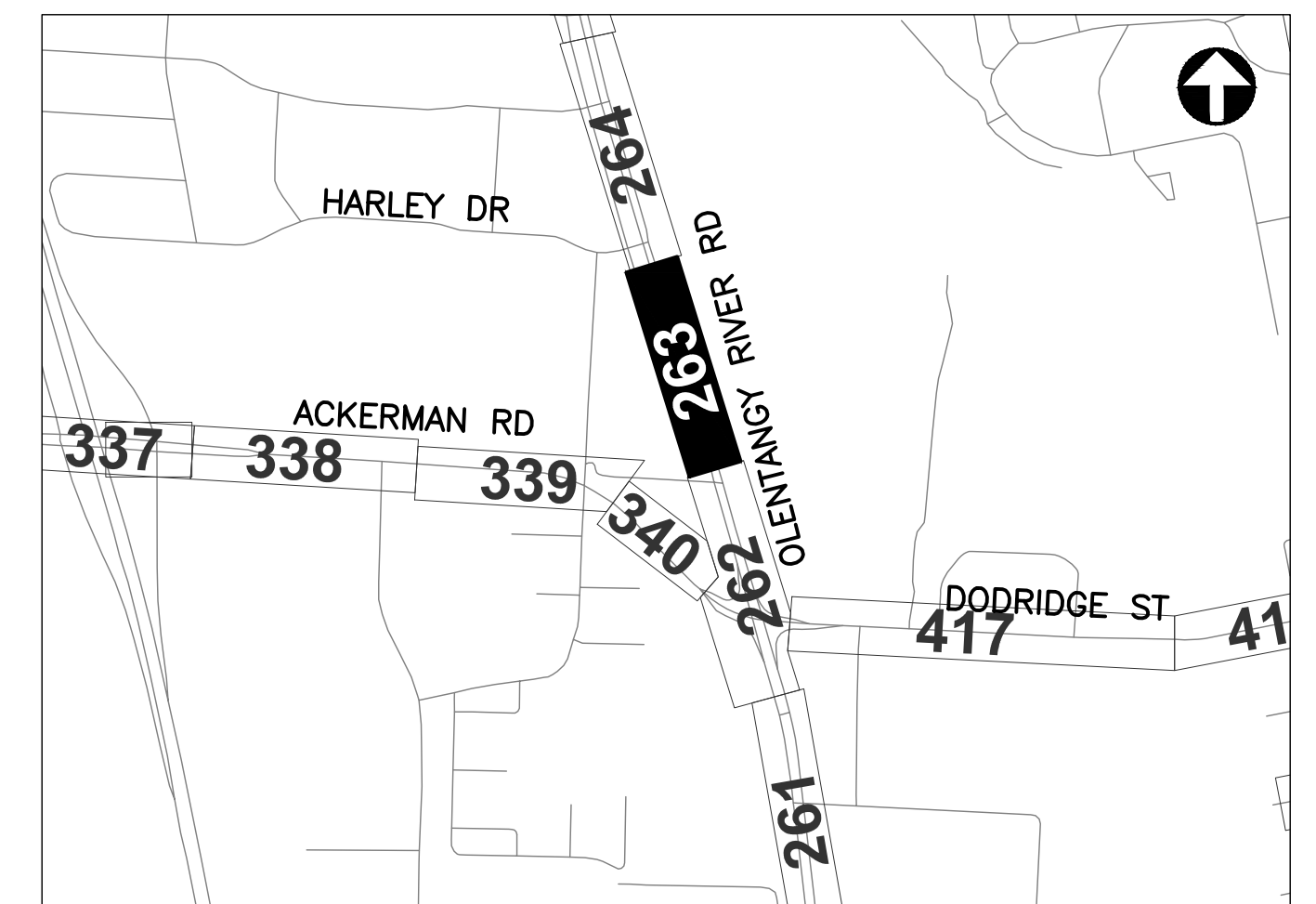
OLENTANGY RIVER RD BETWEEN STATION 213+00 AND 223+00

NOTES:

1. SEE SHEET 266 FOR QUANTITIES.
2. SEE SHEETS 668 & 672 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
OLENTANGY RIVER RD BETWEEN STA. 213+00 AND 223+00

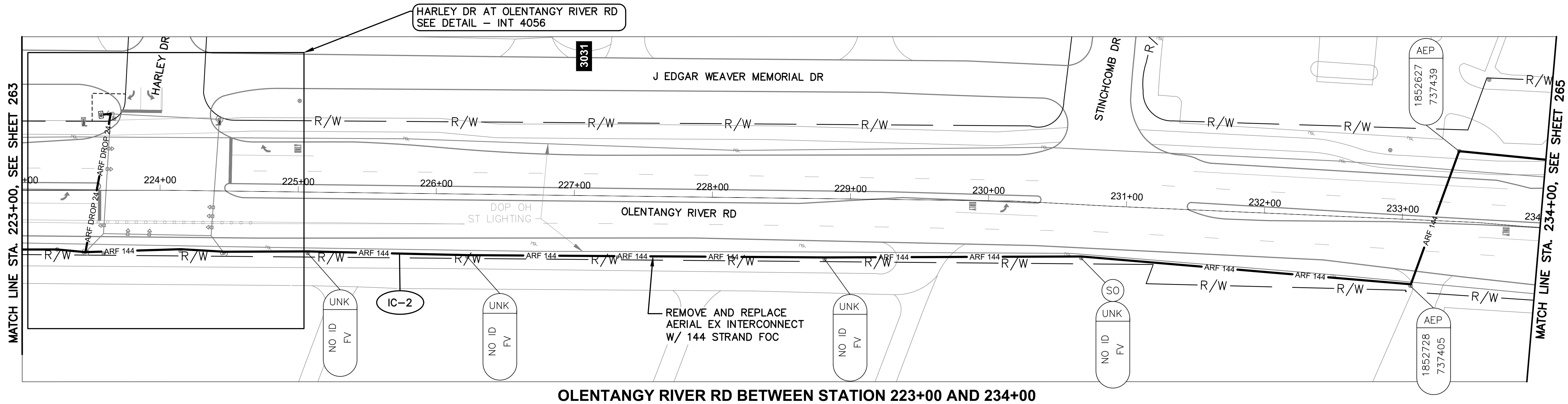
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D — CONSTRUCTION AS-BUILT

263  
1000

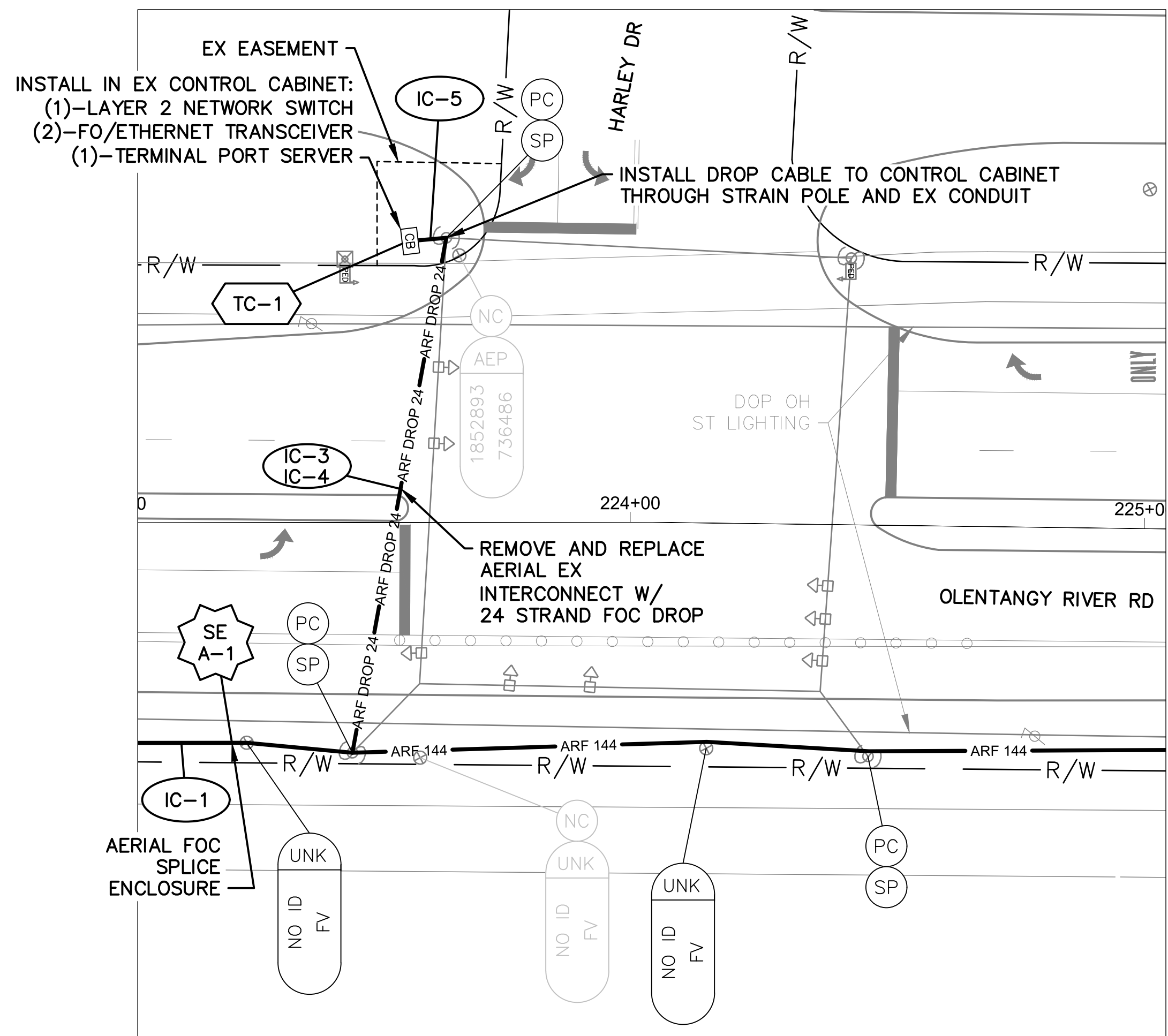
3150-E



J:\Jobs\60135\TCHPRD00\Sheets\CTSS\_PHD\_Trunk3\_OLENTANGY2\_INTERCONNECT.dwg -- OLENTANGY-17 layout -- last saved by: gburch 11/14/2018 11:29am -- printed 03/18/2020 07:41pm



OLENTANGY RIVER RD BETWEEN STATION 223+00 AND 234+00

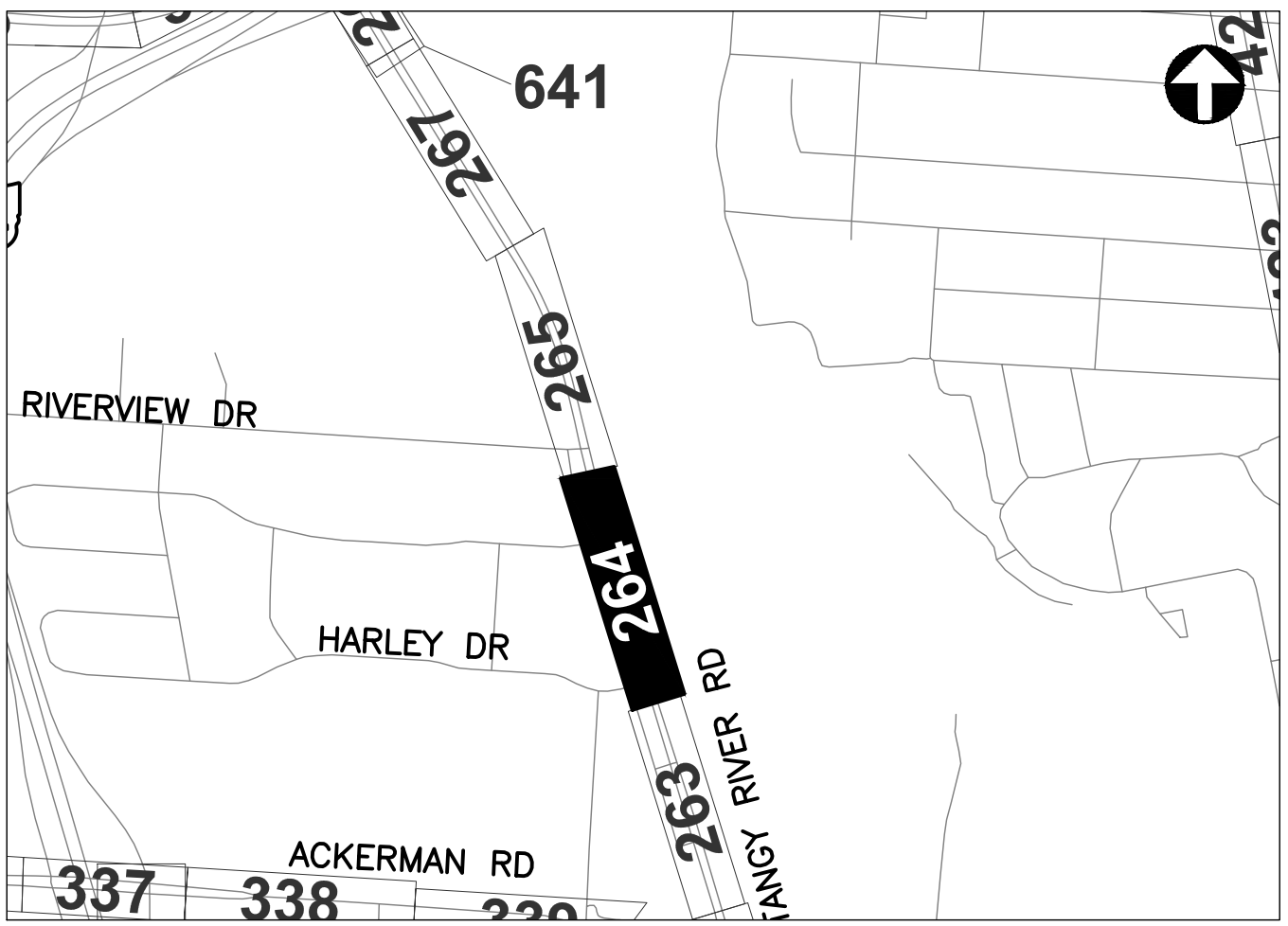


DETAIL - INT 4056

- NOTES:**
1. SEE SHEET 266 FOR QUANTITIES.
  2. SEE SHEETS 668 & 770 FOR COMMUNICATION DETAILS.

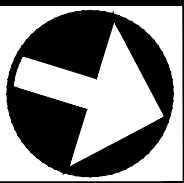


- CITY OF COLUMBUS UTILITY LEGEND**
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



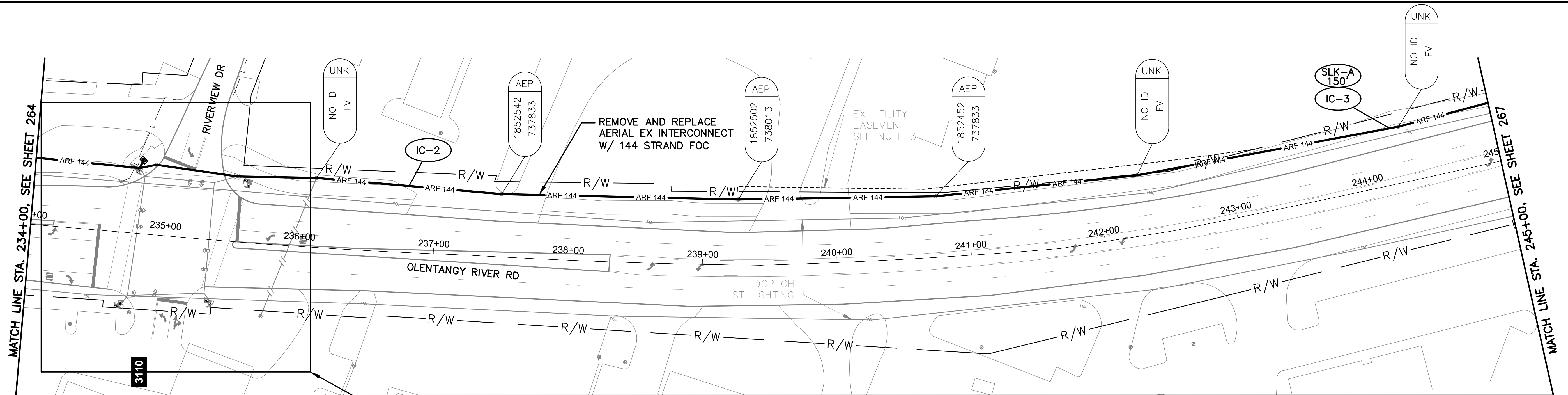
CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
OLENTANGY RIVER RD BETWEEN STA. 223+00 AND 234+00, INT 4056

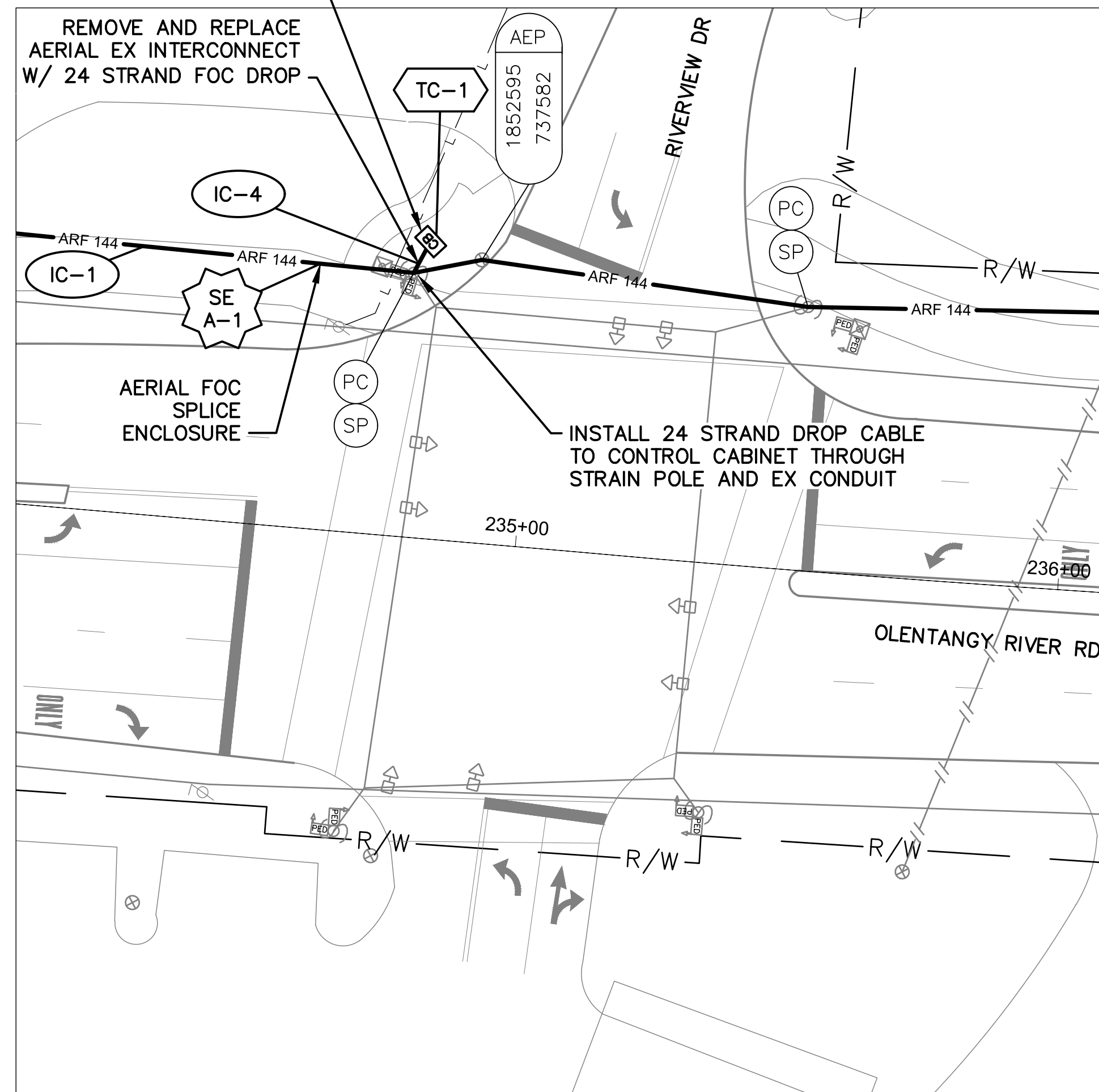
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT



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INSTALL IN EX CONTROL CABINET:  
(1)-LAYER 2 NETWORK SWITCH  
(2)-FO/ETHERNET TRANSCEIVER  
(1)-SIGNAL CONTROLLER



**DETAIL - INT 4057**

0 20 40  
HORIZONTAL  
SCALE IN FEET

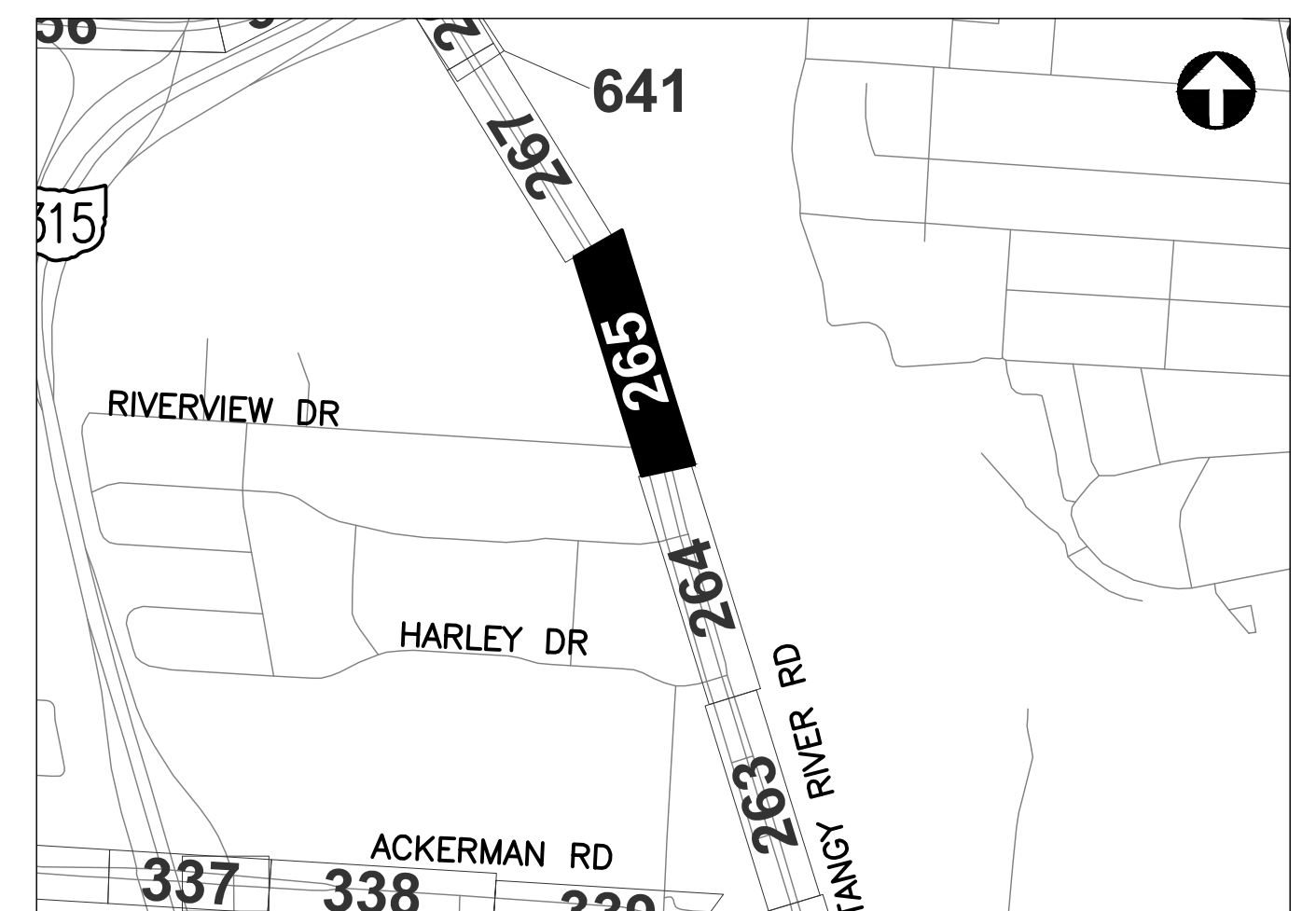
**OLENTANGY RIVER RD BETWEEN STATION 234+00 AND 245+00**

**NOTES:**

1. SEE SHEET 266 FOR QUANTITIES.
2. SEE SHEETS 668 & 771 FOR COMMUNICATION DETAILS.
3. EXISTING AEP EASEMENT #201406240079553.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



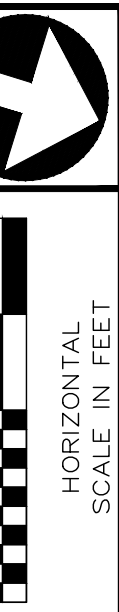
REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE

INTERCONNECT PLAN  
OLENTANGY RIVER RD BETWEEN STA. 234+00 AND 245+00, INT 4057

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

**265**  
**1000**



CIP: 540007-100006  
PID NUMBER: 82573

**3150-E**



J:\Jobs\60135\TCHPR00\Sheets\CTSS\_Phd\_Trunk3\_OLENTANGY\_LC\_QUANTITIES.dwg - OLENTANGY-Q3 layout ~ last saved by gburch 09/13/2016 11:57am ~ printed 03/18/2020 07:43pm

| ESTIMATED QUANTITIES                                         |               |                    |                |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
|--------------------------------------------------------------|---------------|--------------------|----------------|----------------|------------------------------------------------|------------------------------------------------------------------|------------------------------------------------|----------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------|---|
| SHEET NO.                                                    | REFERENCE NO. | LOCATION           | STATION        |                | 202                                            | 625                                                              | 625                                            | 625                                    | 632                                                                  | 632                                                                  | 632                                                                | 632                                                                             | 632                                                                        | 632                                                                   | 632                                                                                    | 632                                                                                    | 632                                                                                  | 632                                                 | 632                                                    | 633                                  | 633                                                                                    | 633                                                           | 633                                                        |                                                                              |   |
|                                                              |               |                    | FROM           | TO             | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | CONDUIT, CONCRETE<br>ENCASED, 2-3", 725.05, AS<br>PER PLAN<br>FT | PULL BOX, CONCRETE<br>48", AS PER PLAN<br>EACH | TRENCH, 36" DEEP, AS<br>PER PLAN<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 288 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE<br>EACH | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT<br>FT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>DOME, 800 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE<br>FT | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM<br>EACH | WOOD POLE, CLASS 5, 35<br>FT<br>EACH | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER ITEM,<br>MISC.: TERMINAL PORT<br>SERVER<br>EACH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2A2, AS PER<br>PLAN<br>EACH |   |
| OLENTANGY RIVER RD. BETWEEN STA. 180+00 AND 191+00, INT 4054 |               |                    |                |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 260                                                          | IC-1          | OLENTANGY RIVER RD | 180+00, 52' LT | 188+86, 53' LT |                                                |                                                                  |                                                |                                        | 896                                                                  |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 896                                                                                  |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 260                                                          | TC-1          | OLENTANGY RIVER RD | 188+81, 63' RT |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        | 2                                    | 1                                                                                      |                                                               |                                                            | 1                                                                            |   |
| 260                                                          | IC-5          | OLENTANGY RIVER RD | 188+81, 63' RT | 188+91, 57' RT | 17                                             |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 260                                                          | SE A-1        | OLENTANGY RIVER RD | 188+86, 53' LT |                |                                                |                                                                  |                                                |                                        | 150                                                                  |                                                                      | 24                                                                 |                                                                                 | 1                                                                          |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 260                                                          | IC-2          | OLENTANGY RIVER RD | 188+86, 53' LT | 191+00, 55' LT |                                                |                                                                  |                                                |                                        | 206                                                                  |                                                                      |                                                                    | 203                                                                             |                                                                            |                                                                       |                                                                                        |                                                                                        | 206                                                                                  |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 260                                                          | IC-3          | OLENTANGY RIVER RD | 188+86, 53' LT | 188+91, 57' RT |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    | 110                                                                             |                                                                            |                                                                       |                                                                                        |                                                                                        | 110                                                                                  |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 260                                                          | IC-4          | OLENTANGY RIVER RD | 188+91, 57' RT |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        | 1                                                                                      |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| OLENTANGY RIVER RD. BETWEEN STA. 191+00 AND 202+00           |               |                    |                |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 261                                                          | IC-1          | OLENTANGY RIVER RD | 191+00, 55' LT | 202+00, 61' LT |                                                |                                                                  |                                                |                                        | 1,105                                                                |                                                                      |                                                                    | 1,089                                                                           |                                                                            |                                                                       |                                                                                        |                                                                                        | 1,105                                                                                |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| OLENTANGY RIVER RD. BETWEEN STA. 202+00 AND 213+00, INT 4005 |               |                    |                |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | IC-1          | OLENTANGY RIVER RD | 202+00, 61' LT | 204+80, 51' LT |                                                |                                                                  |                                                |                                        | 8                                                                    |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 8                                                                                    |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | IC-2          | OLENTANGY RIVER RD | 202+00, 51' LT | 204+98, 61' LT |                                                |                                                                  |                                                |                                        | 227                                                                  |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 224                                                                                  |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | IC-3          | OLENTANGY RIVER RD | 204+80, 61' LT |                |                                                |                                                                  |                                                |                                        | 105                                                                  |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | IC-4          | OLENTANGY RIVER RD | 204+98, 61' LT | 205+02, 73' LT | 6                                              |                                                                  |                                                |                                        | 18                                                                   | 6                                                                    |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | IC-5          | OLENTANGY RIVER RD | 205+02, 73' LT | 205+09, 70' LT |                                                | 7                                                                |                                                | 7                                      | 21                                                                   | 7                                                                    |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | IC-6          | OLENTANGY RIVER RD | 204+80, 74' LT | 205+09, 70' LT |                                                |                                                                  |                                                |                                        |                                                                      | 75                                                                   |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | IC-11         | OLENTANGY RIVER RD | 204+80, 74' LT | 205+09, 70' LT |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        | 2                                                                                      |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | SE U-1        | OLENTANGY RIVER RD | 205+09, 70' LT |                |                                                |                                                                  | 1                                              |                                        | 225                                                                  | 75                                                                   | 309                                                                |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | TC-1          | OLENTANGY RIVER RD | 204+86, 74' LT |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 10                                                                                   |                                                     |                                                        | 2                                    | 1                                                                                      |                                                               | 1                                                          |                                                                              |   |
| 262                                                          | EC-3          | OLENTANGY RIVER RD | 204+96, 74' LT | 204+98, 68' LT | 11                                             |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 11                                                                                   |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | EC-2          | OLENTANGY RIVER RD | 204+98, 68' LT |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 35                                                                                   |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | EC-1          | OLENTANGY RIVER RD | 204+88, 68' LT | 205+43, 43' LT |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 14                                                                                   |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | R-1           | OLENTANGY RIVER RD | 204+88, 68' LT | 205+60, 41' LT |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | IC-10         | DODRIDGE RD        | 244+37, 51' LT | 245+60, 57' RT |                                                |                                                                  |                                                |                                        | 3                                                                    |                                                                      | 12                                                                 |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 12                                                                                   |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | IC-7          | OLENTANGY RIVER RD | 206+17, 50' RT | 206+43, 53' LT |                                                |                                                                  |                                                |                                        | 216                                                                  |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 108                                                                                  |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | IC-8          | OLENTANGY RIVER RD | 206+17, 50' RT | 213+00, 43' RT |                                                |                                                                  |                                                |                                        | 694                                                                  |                                                                      |                                                                    | 684                                                                             |                                                                            |                                                                       |                                                                                        |                                                                                        | 694                                                                                  |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | IC-9          | OLENTANGY RIVER RD | 206+17, 50' RT | 213+00, 39' RT |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 262                                                          | CTV-1         | OLENTANGY RIVER RD | 206+43, 53' LT |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 1                                                                                    |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| OLENTANGY RIVER RD. BETWEEN STA. 213+00 AND 223+00           |               |                    |                |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 263                                                          | IC-1          | OLENTANGY RIVER RD | 213+00, 43' RT | 223+00, 43' RT |                                                |                                                                  |                                                |                                        | 1,015                                                                |                                                                      |                                                                    | 1,000                                                                           |                                                                            |                                                                       |                                                                                        |                                                                                        | 1,015                                                                                |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 263                                                          | IC-2          | OLENTANGY RIVER RD | 215+03, 44' RT |                |                                                |                                                                  |                                                |                                        | 150                                                                  |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| OLENTANGY RIVER RD. BETWEEN STA. 223+00 AND 234+00, INT 4056 |               |                    |                |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 264                                                          | IC-1          | OLENTANGY RIVER RD | 223+00, 43' RT | 223+57, 55' RT |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 264                                                          | IC-3          | OLENTANGY RIVER RD | 223+45, 45' RT | 223+64, 55' LT |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    | 102                                                                             |                                                                            |                                                                       |                                                                                        |                                                                                        | 104                                                                                  |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 264                                                          | IC-2          | OLENTANGY RIVER RD | 223+45, 45' RT | 234+00, 50' LT |                                                |                                                                  |                                                |                                        | 1,149                                                                |                                                                      | 1,132                                                              |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 1,149                                                                                |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 264                                                          | SE A-1        | OLENTANGY RIVER RD | 223+45, 45' RT |                |                                                |                                                                  |                                                |                                        | 150                                                                  |                                                                      | 24                                                                 |                                                                                 | 1                                                                          |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 264                                                          | TC-1          | OLENTANGY RIVER RD | 223+57, 55' LT |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        | 2                                    | 1                                                                                      |                                                               | 1                                                          |                                                                              |   |
| 264                                                          | IC-5          | OLENTANGY RIVER RD | 223+57, 55' LT | 223+64, 55' LT | 12                                             |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 264                                                          | IC-4          | OLENTANGY RIVER RD | 223+64, 55' LT |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        | 1                                                                                      |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| OLENTANGY RIVER RD. BETWEEN STA. 234+00 AND 245+00, INT 4057 |               |                    |                |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 265                                                          | IC-1          | OLENTANGY RIVER RD | 234+00, 50' LT | 234+77, 49' LT |                                                |                                                                  |                                                |                                        | 78                                                                   |                                                                      | 77                                                                 |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 78                                                                                   |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 265                                                          | SE A-1        | OLENTANGY RIVER RD | 234+77, 49' LT |                |                                                |                                                                  |                                                |                                        | 150                                                                  |                                                                      | 24                                                                 |                                                                                 | 1                                                                          |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 265                                                          | IC-4          | OLENTANGY RIVER RD | 234+77, 49' LT | 234+79, 55' LT | 12                                             |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       | 1                                                                                      |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 265                                                          | IC-2          | OLENTANGY RIVER RD | 234+77, 49' LT | 245+00, 44' LT |                                                |                                                                  |                                                |                                        | 1,024                                                                |                                                                      | 1,009                                                              |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        | 1,024                                                                                |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| 265                                                          | TC-1          | OLENTANGY RIVER RD | 234+79, 55' LT |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        | 2                                    | 1                                                                                      |                                                               | 1                                                          |                                                                              |   |
| 265                                                          | IC-3          | OLENTANGY RIVER RD | 244+24, 41' LT |                |                                                |                                                                  |                                                |                                        | 150                                                                  |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
|                                                              |               |                    |                |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
|                                                              |               |                    |                |                |                                                |                                                                  |                                                |                                        |                                                                      |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                       |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                      |                                                                                        |                                                               |                                                            |                                                                              |   |
| SHEET TOTAL                                                  |               |                    |                |                | 58                                             | 7                                                                | 1                                              | 7                                      | 8,330                                                                | 486                                                                  | 381                                                                | 5,852                                                                           | 3                                                                          | 1                                                                     | 1                                                                                      | 4                                                                                      | 7,327                                                                                | 202                                                 | 1                                                      | 1                                    | 8                                                                                      | 4                                                             | 2                                                          | 2                                                                            | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3150-E

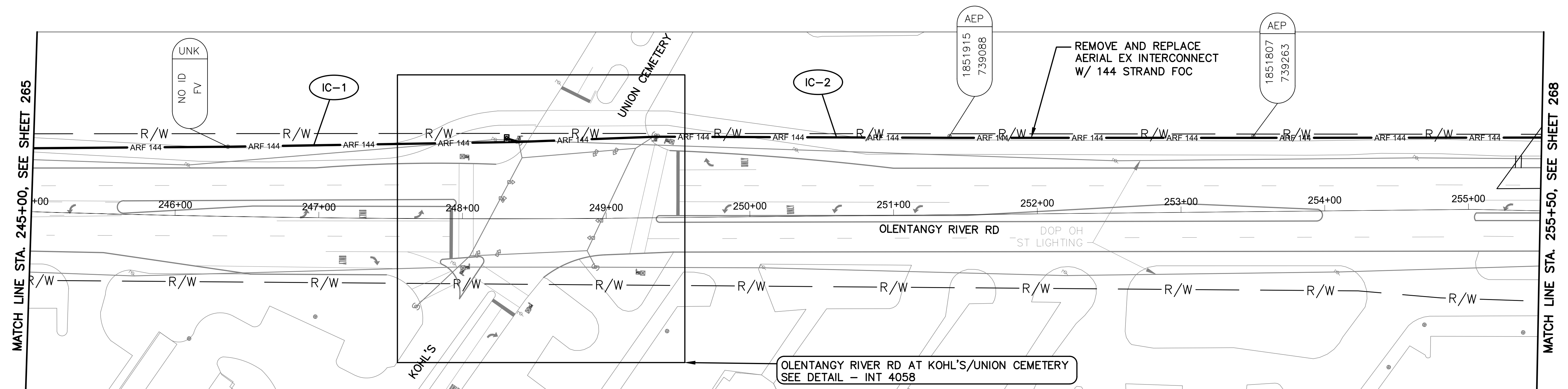
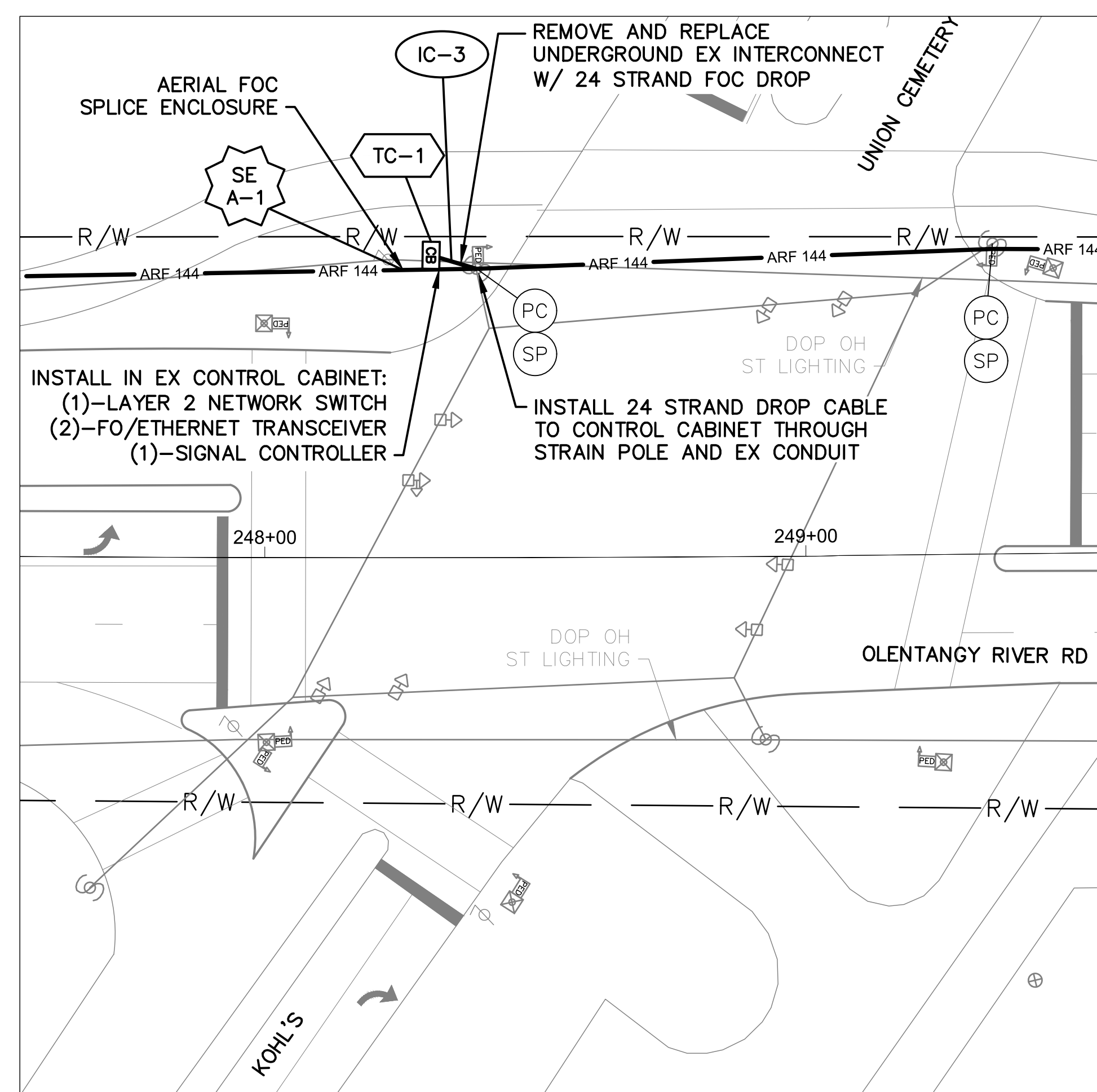
CIP: 540007-100006  
PID NUMBER: 82573

OLENTANGY RIVER RD BTW STA. 180+00 & 245+00  
INTS 4054, 4005, 4056, 4057

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

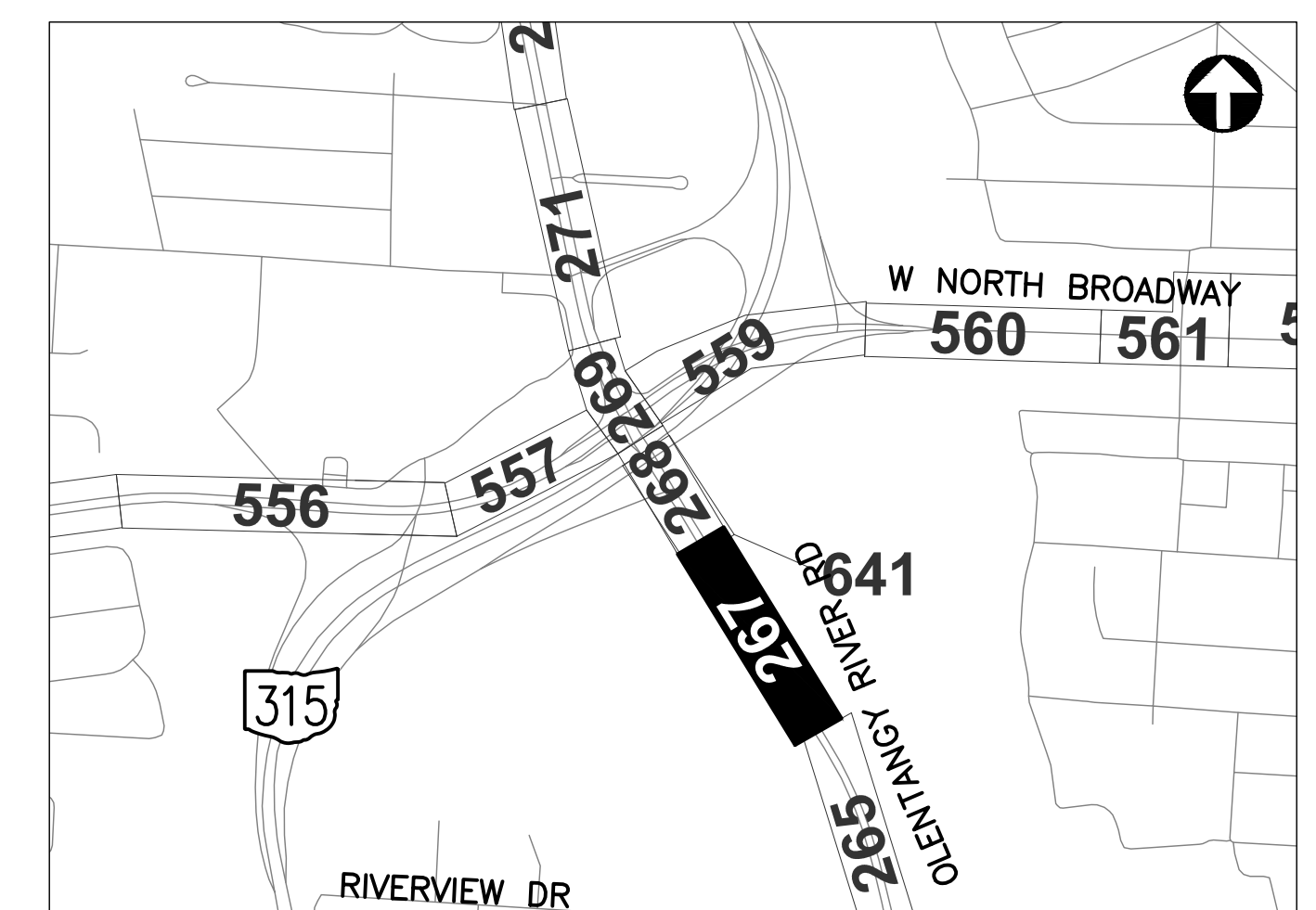
266  
1000





**DETAIL - INT 4058**

NOTES:

CITY OF COLUMBUS  
UTILITY LEGEND

REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX











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| ESTIMATED QUANTITIES                                         |               |                    |                |                 |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
|--------------------------------------------------------------|---------------|--------------------|----------------|-----------------|------------------------------------------|------------------------------------------------------------|----------------------------------|-------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------|------|---|---|---|
| SHEET NO.                                                    | REFERENCE NO. | LOCATION           | STATION        |                 | 202                                      | 625                                                        | 625                              | 632                                       | 632                                                            | 632                                                        | 632                                                                       | 632                                                                | 632                                                           | 632                                                                            | 632                                                                            | 632                                                                            | 633                          | 633                                                                            | 633                                                   | 633                                                |                                                                       |      |   |   |   |
|                                                              |               |                    |                |                 | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | CONDUIT, CONCRETE<br>ENCASED, 2-3", 725.05, AS<br>PER PLAN | TRENCH, 36" DEEP, AS<br>PER PLAN | CONDUIT RISER, 2",<br>725.04, AS PER PLAN | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>DOME, 800 SPLICE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | WOOD POLE, CLASS 5, 35<br>FT | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER ITEM,<br>MISC.: TERMINAL PORT<br>SERVER | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2IA2, AS PER<br>PLAN |      |   |   |   |
| OLENTANGY RIVER RD. BETWEEN STA. 245+00 AND 255+50, INT 4058 |               |                    |                |                 | FROM                                     | TO                                                         | FT                               | FT                                        | FT                                                             | EACH                                                       | FT                                                                        | EACH                                                               | FT                                                            | EACH                                                                           | EACH                                                                           | EACH                                                                           | FT                           | EACH                                                                           | EACH                                                  | EACH                                               | EACH                                                                  | EACH |   |   |   |
| 267                                                          | IC-1          | OLENTANGY RIVER RD | 245+00, 44' LT | 248+37, 61' LT  |                                          |                                                            |                                  |                                           |                                                                | 342                                                        |                                                                           | 337                                                                |                                                               |                                                                                |                                                                                |                                                                                | 342                          |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 267                                                          | TC-1          | OLENTANGY RIVER RD | 248+31, 63' LT |                 |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              | 2                                                                              | 1                                                     |                                                    | 1                                                                     |      |   |   |   |
| 267                                                          | IC-3          | OLENTANGY RIVER RD | 248+31, 63' LT | 248+37, 61' LT  | 11                                       |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                | 1                                                                              |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 267                                                          | SE A-1        | OLENTANGY RIVER RD | 248+37, 61' LT |                 |                                          |                                                            |                                  |                                           | 150                                                            | 24                                                         |                                                                           | 1                                                                  |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 267                                                          | IC-2          | OLENTANGY RIVER RD | 248+37, 61' LT | 255+50, 54' LT  |                                          |                                                            |                                  |                                           | 724                                                            |                                                            | 713                                                                       |                                                                    |                                                               |                                                                                |                                                                                |                                                                                | 724                          |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| OLENTANGY RIVER RD. BETWEEN STA. 255+50 AND 261+00, INT 4059 |               |                    |                |                 |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 268                                                          | IC-1          | OLENTANGY RIVER RD | 255+50, 54' LT | 258+05, 59' LT  |                                          |                                                            |                                  |                                           | 256                                                            |                                                            | 253                                                                       |                                                                    |                                                               |                                                                                |                                                                                |                                                                                | 256                          | 1                                                                              |                                                       |                                                    |                                                                       |      |   |   |   |
| 268                                                          | TC-1          | OLENTANGY RIVER RD | 258+05, 59' LT |                 |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              | 2                                                                              | 1                                                     |                                                    | 1                                                                     |      |   |   |   |
| 268                                                          | IC-7          | OLENTANGY RIVER RD | 258+05, 59' LT | 258+05, 59' LT  |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                | 1                                                                              |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 268                                                          | SE A-1        | OLENTANGY RIVER RD | 258+05, 59' LT |                 |                                          |                                                            |                                  | 150                                       | 42                                                             |                                                            | 1                                                                         |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 268                                                          | IC-2          | OLENTANGY RIVER RD | 258+05, 59' LT | 259+17, 63' LT  |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                | 115                          |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 268                                                          | IC-6          | OLENTANGY RIVER RD | 258+05, 59' LT | 259+17, 63' LT  | 18                                       |                                                            |                                  | 36                                        |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 268                                                          | IC-5          | OLENTANGY RIVER RD | 258+05, 59' LT | 259+17, 63' LT  |                                          | 36                                                         |                                  | 7                                         |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 268                                                          | IC-4          | OLENTANGY RIVER RD | 259+17, 63' LT |                 |                                          |                                                            |                                  | 70                                        |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                | 1                            |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 268                                                          | IC-3          | OLENTANGY RIVER RD | 259+17, 63' LT | 261+00, 65' LT  |                                          |                                                            |                                  | 185                                       |                                                                | 183                                                        |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                | 185                          |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| OLENTANGY RIVER RD. BETWEEN STA. 261+00 AND 266+00, INT 4060 |               |                    |                |                 |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 269                                                          | IC-1          | OLENTANGY RIVER RD | 261+00, 65' LT | 263+82, 81' LT  |                                          |                                                            |                                  |                                           | 1                                                              |                                                            | 170                                                                       |                                                                    |                                                               |                                                                                |                                                                                |                                                                                | 17                           |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 269                                                          | IC-4          | OLENTANGY RIVER RD | 261+00, 65' LT | 262+62, 5' LT   |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 269                                                          | TC-1          | OLENTANGY RIVER RD | 262+56, 65' LT |                 |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              | 2                                                                              | 1                                                     | 1                                                  |                                                                       |      |   |   |   |
| 269                                                          | IC-7          | OLENTANGY RIVER RD | 262+56, 65' LT | 263+82, 81' LT  |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 269                                                          | IC-8          | OLENTANGY RIVER RD | 262+56, 65' LT | 263+82, 81' LT  |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 269                                                          | IC-2          | OLENTANGY RIVER RD | 262+56, 65' LT | 263+82, 81' LT  |                                          |                                                            |                                  |                                           |                                                                |                                                            | 12                                                                        |                                                                    |                                                               |                                                                                |                                                                                |                                                                                | 124                          |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 269                                                          | IC-5          | OLENTANGY RIVER RD | 262+56, 65' LT |                 |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 269                                                          | IC-6          | OLENTANGY RIVER RD | 262+62, 5' LT  | 263+24, 107' RT |                                          |                                                            |                                  | 181                                       |                                                                | 178                                                        |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                | 181                          |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 269                                                          | SE A-1        | OLENTANGY RIVER RD | 263+82, 81' LT |                 |                                          |                                                            |                                  | 300                                       | 312                                                            |                                                            |                                                                           | 1                                                                  |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| 269                                                          | IC-3          | OLENTANGY RIVER RD | 263+82, 81' LT | 266+00, 74' LT  |                                          |                                                            |                                  | 360                                       |                                                                | 355                                                        |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                | 360                          |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| SHEET TOTAL                                                  |               |                    |                |                 |                                          |                                                            |                                  |                                           |                                                                |                                                            |                                                                           |                                                                    |                                                               |                                                                                |                                                                                |                                                                                |                              |                                                                                |                                                       |                                                    |                                                                       |      |   |   |   |
| SHEET TOTAL                                                  |               |                    |                |                 | 283                                      | 36                                                         | 36                               | 1                                         | 3,927                                                          | 378                                                        | 2,424                                                                     | 2                                                                  | 1                                                             | 2                                                                              | 2                                                                              | 2                                                                              | 2,460                        | 2                                                                              | 6                                                     | 3                                                  | 1                                                                     | 2    | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

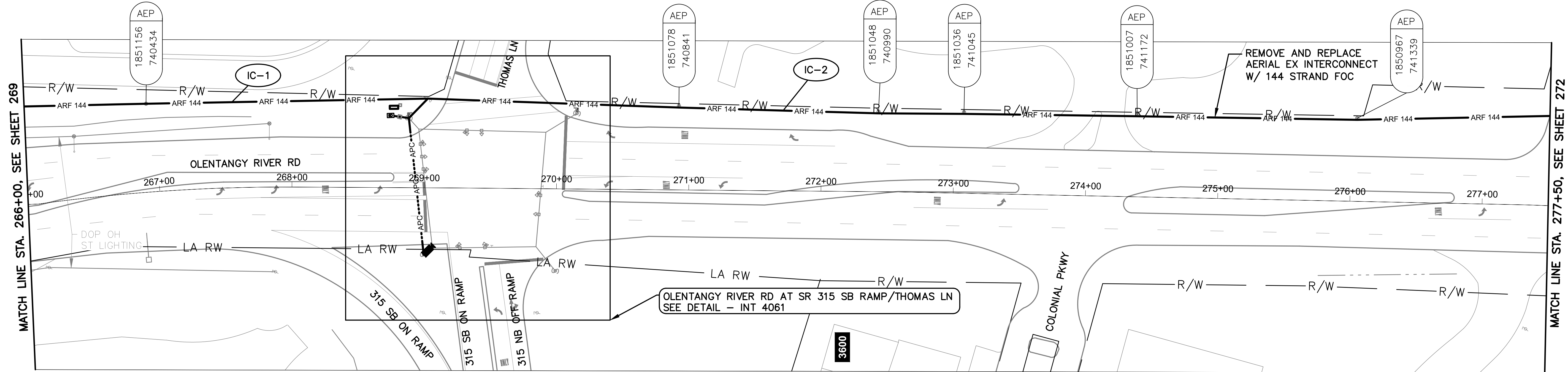
OLENTANGY RIVER RD BTW STA. 245+00 & 266+00  
INTS 4058, 4059, 4060

CIP: 540007-100006  
PID NUMBER: 82573

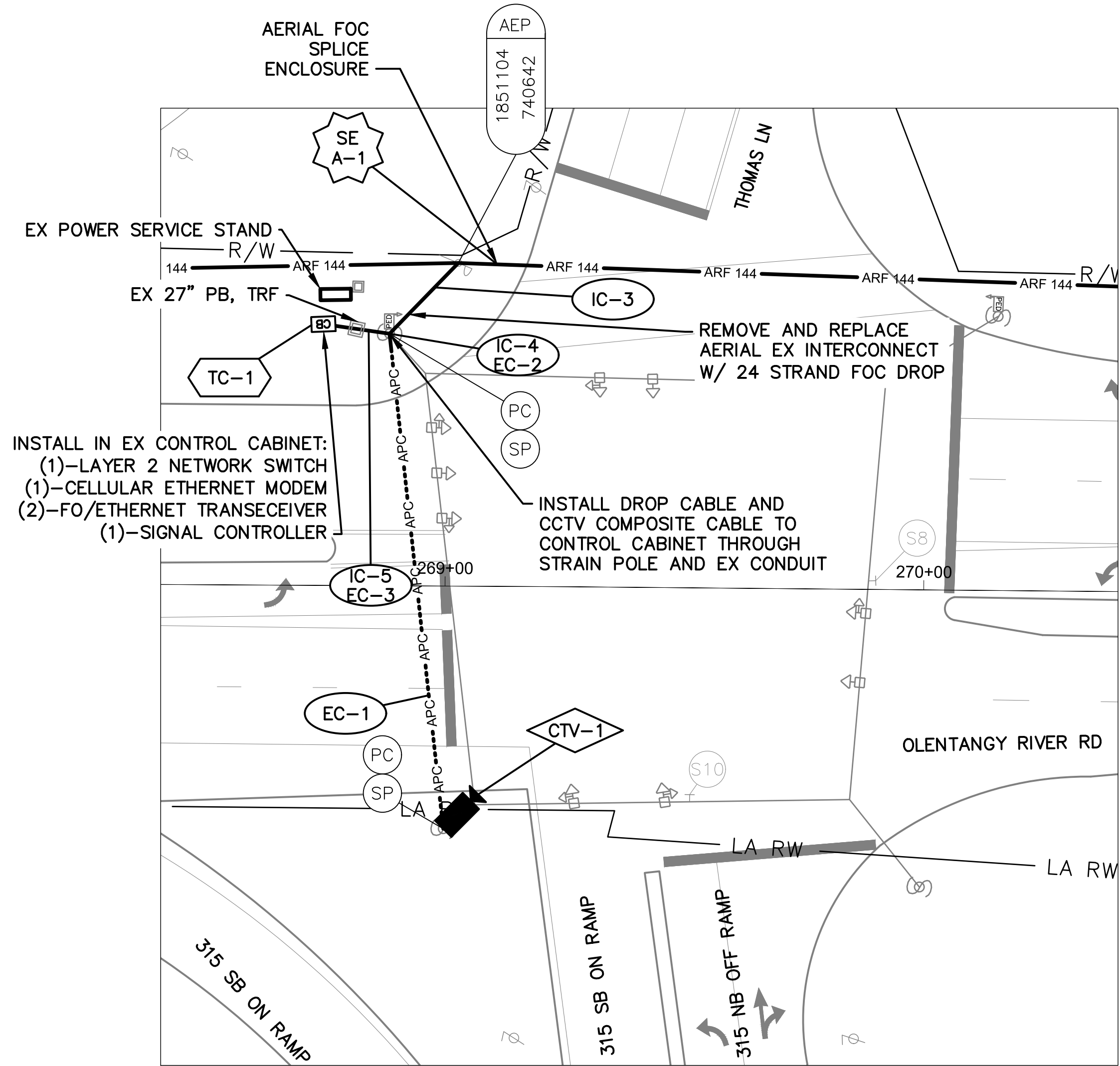
270  
1000



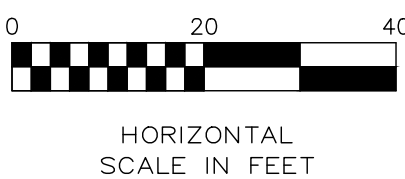
J:\Jobs\60135\TCHP\PROJ\Sheets\CTSS\PHD\_Trunk3\_OLENTANGY3\_INTERCONNECT.dwg -- OLENTANGY-22 layout -- last saved by: jbeane 03/18/2020 03:39pm -- printed 03/18/2020 07:49pm



OLENTANGY RIVER RD BETWEEN STATION 266+00 AND 277+50



DETAIL - INT 4061

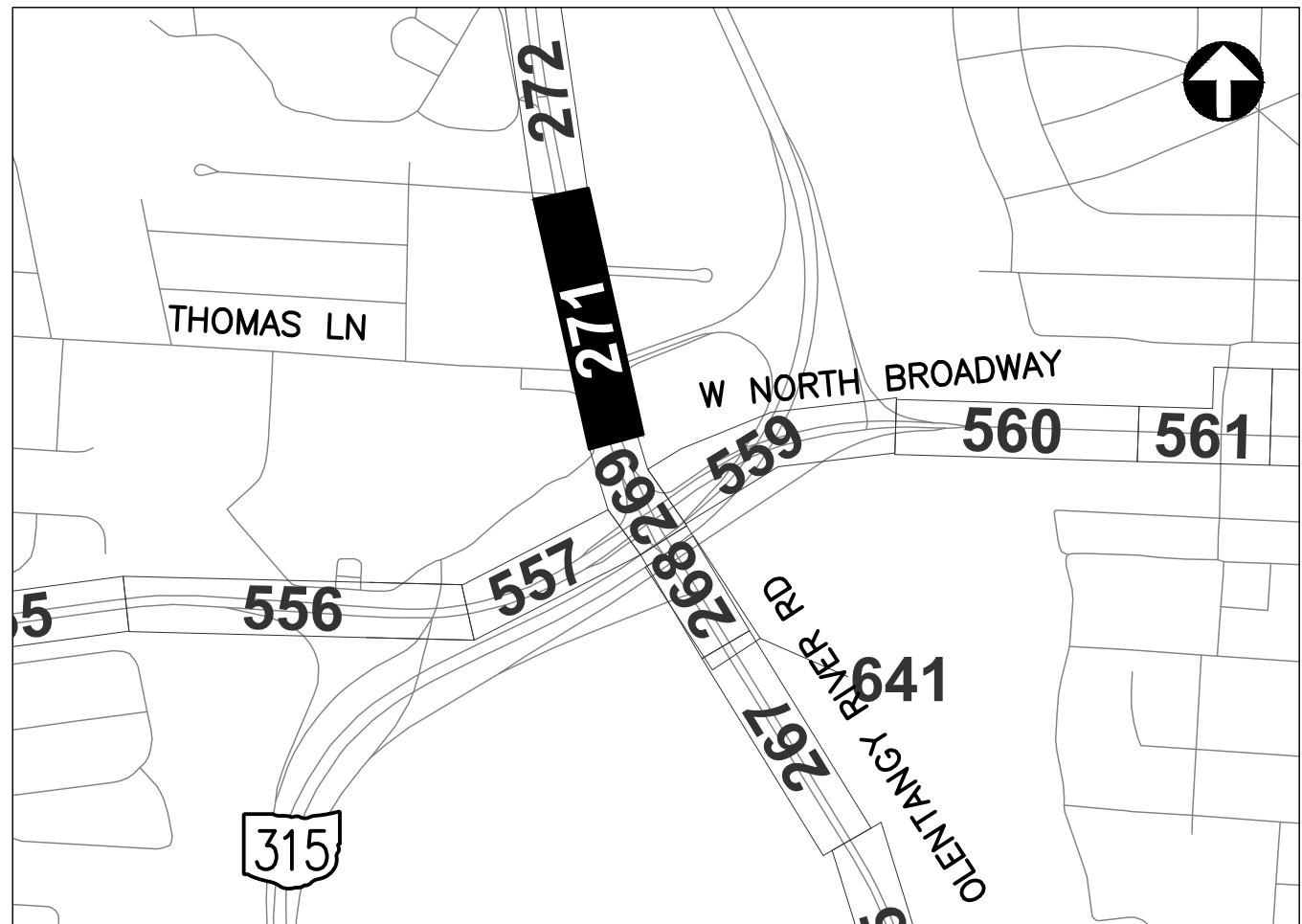


NOTES:

1. SEE SHEET 274 FOR QUANTITIES.
2. SEE SHEETS 665 & 776 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

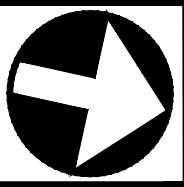
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  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
OLENTANGY RIVER RD BETWEEN STA. 266+00 AND 277+50, INT 4061

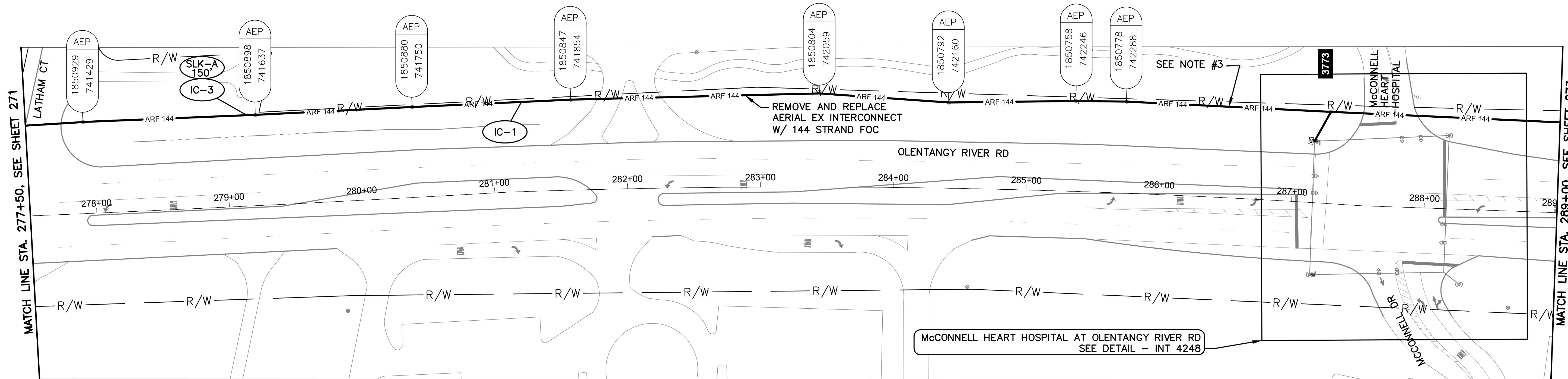
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

271  
1000

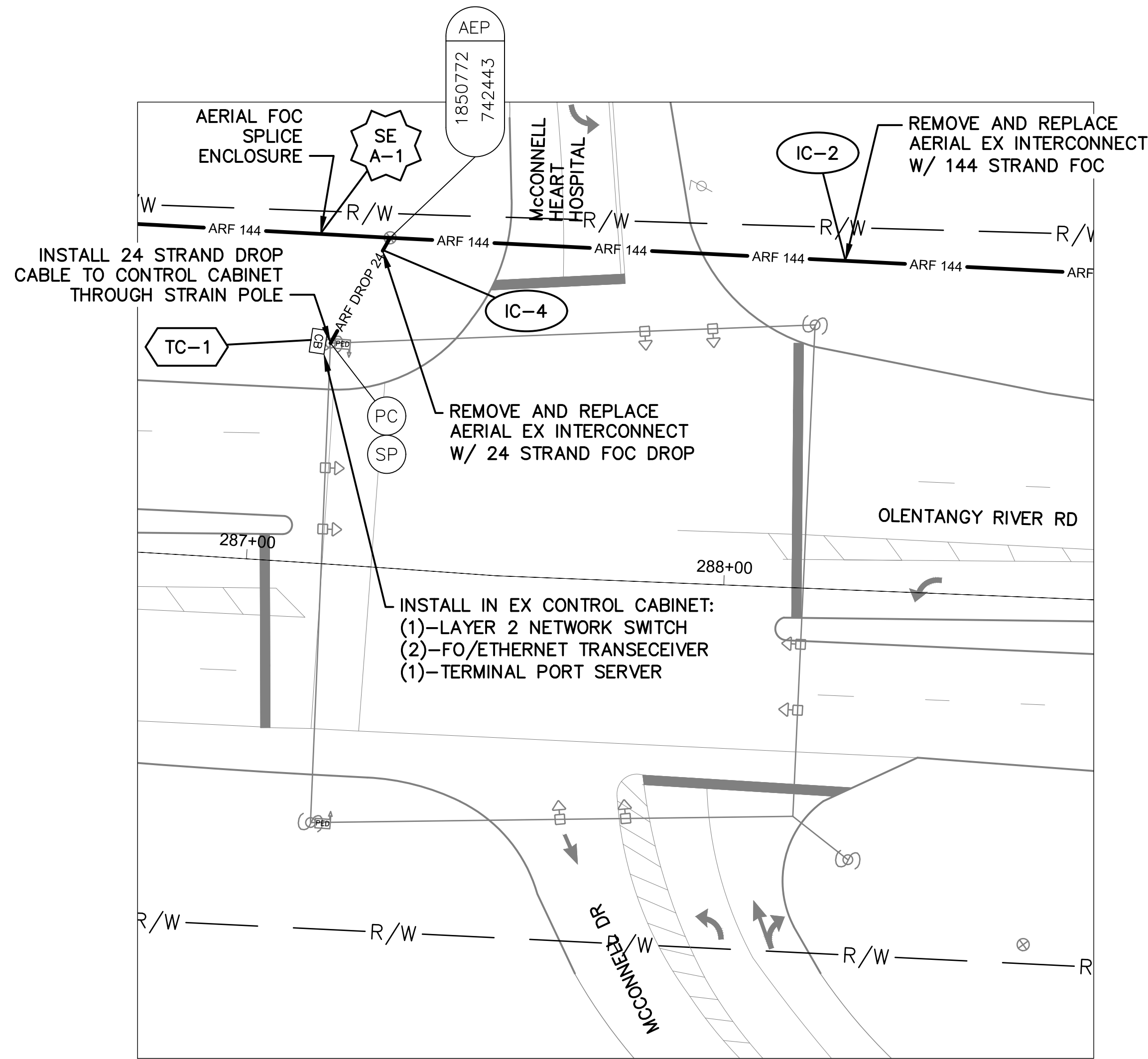
3150-E



J:\Jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_Trunk3\_OLENTANGY3\_INTERCONNECT.dwg -- OLENTANGY-23 layout -- last saved by: jbeane 03/18/2020 03:39pm -- printed 03/18/2020 07:50pm



OLENTANGY RIVER RD BETWEEN STATION 277+50 AND 289+00

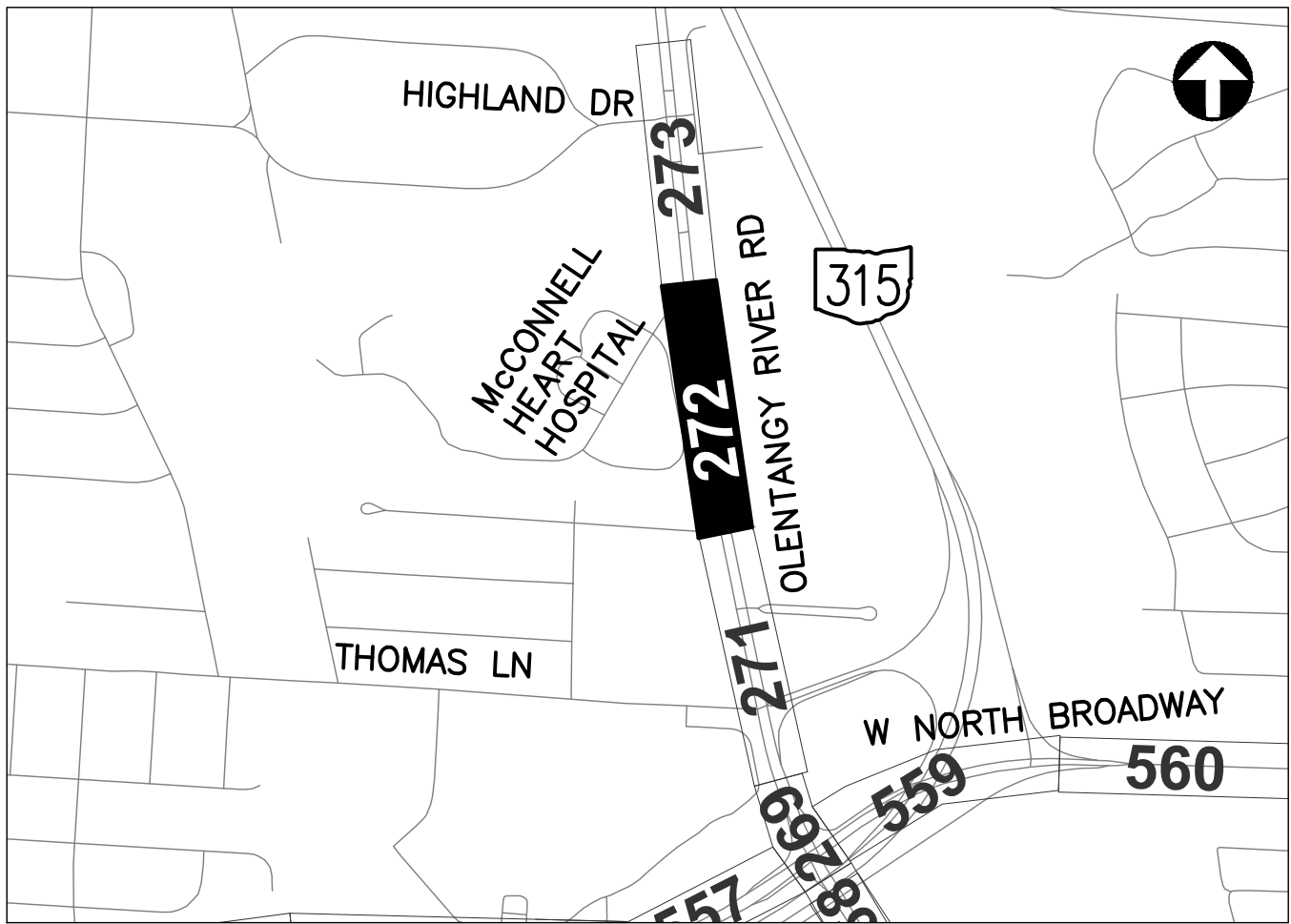


DETAIL - INT 4248

- NOTES:
1. SEE SHEET 274 FOR QUANTITIES.
  2. SEE SHEETS 665 & 777 FOR COMMUNICATION DETAILS.
  3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

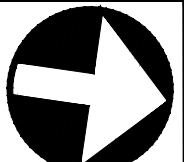
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  - WATER
  - POWER
  - LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



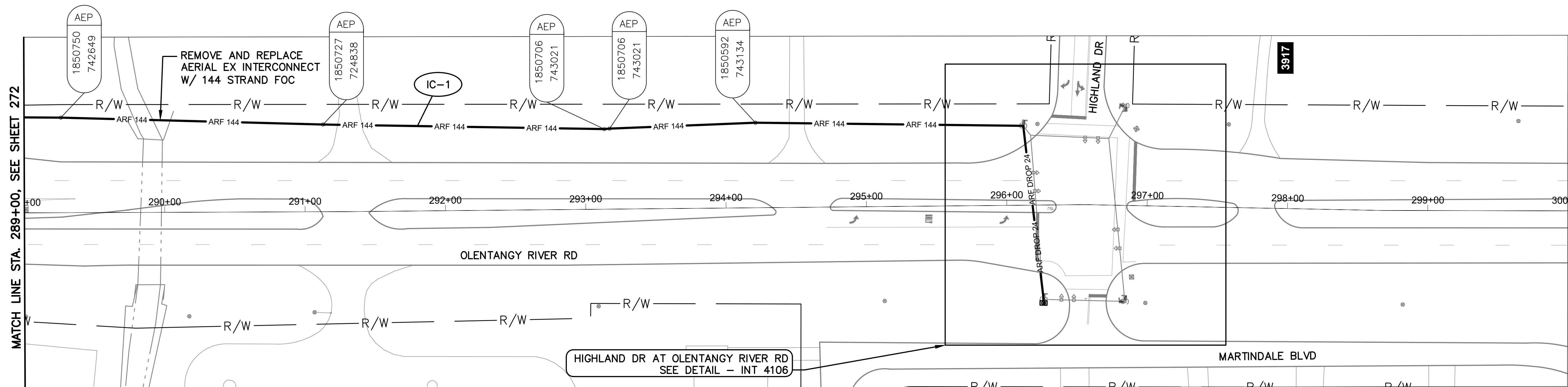
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PID NUMBER: 82573

INTERCONNECT PLAN  
OLENTANGY RIVER RD BETWEEN STA. 277+50 AND 289+00, INT 4248

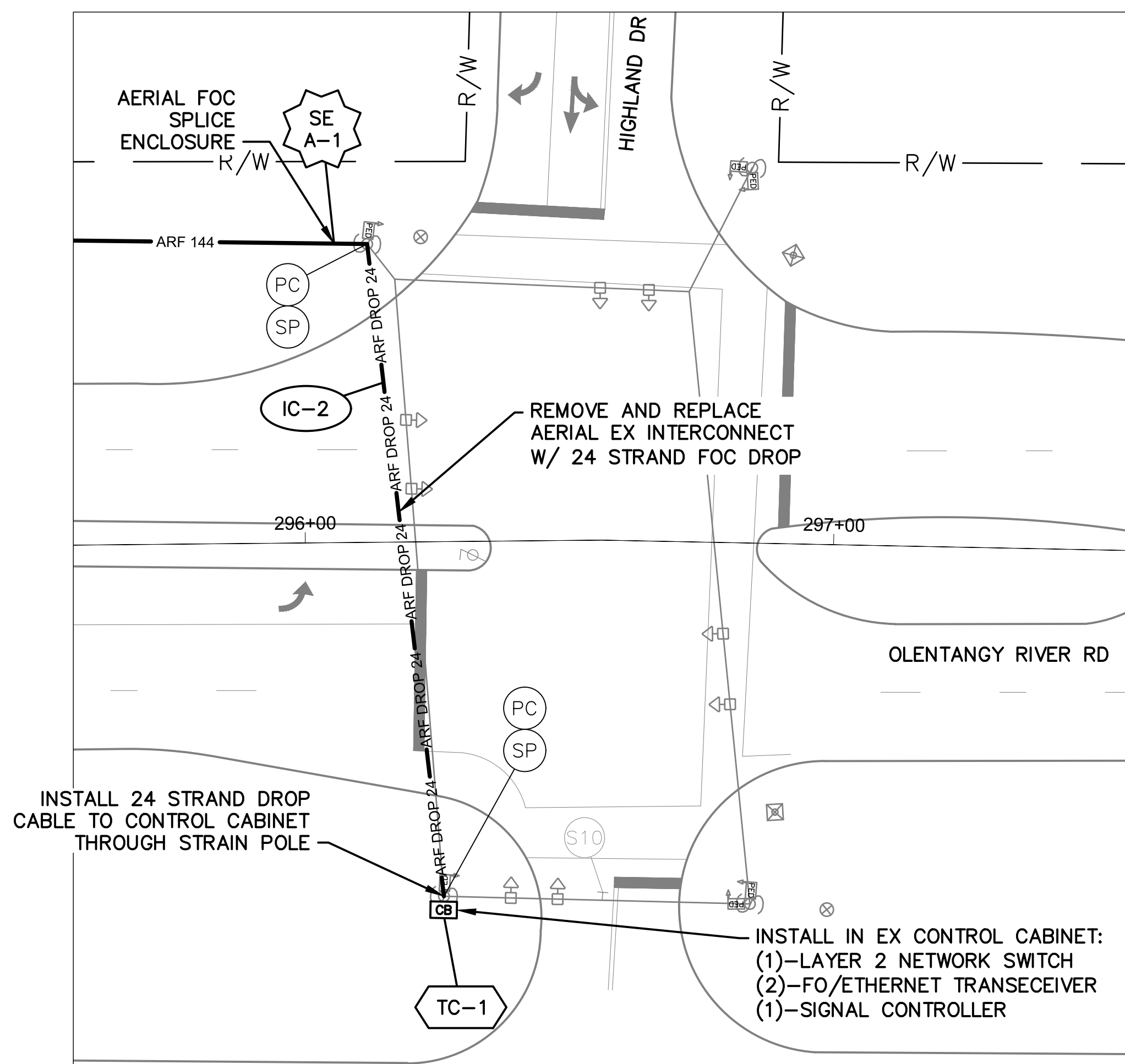
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



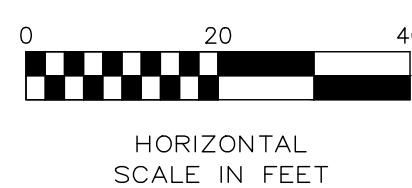
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OLENTANGY RIVER RD BETWEEN STATION 289+00 AND 300+00



DETAIL - INT 4106

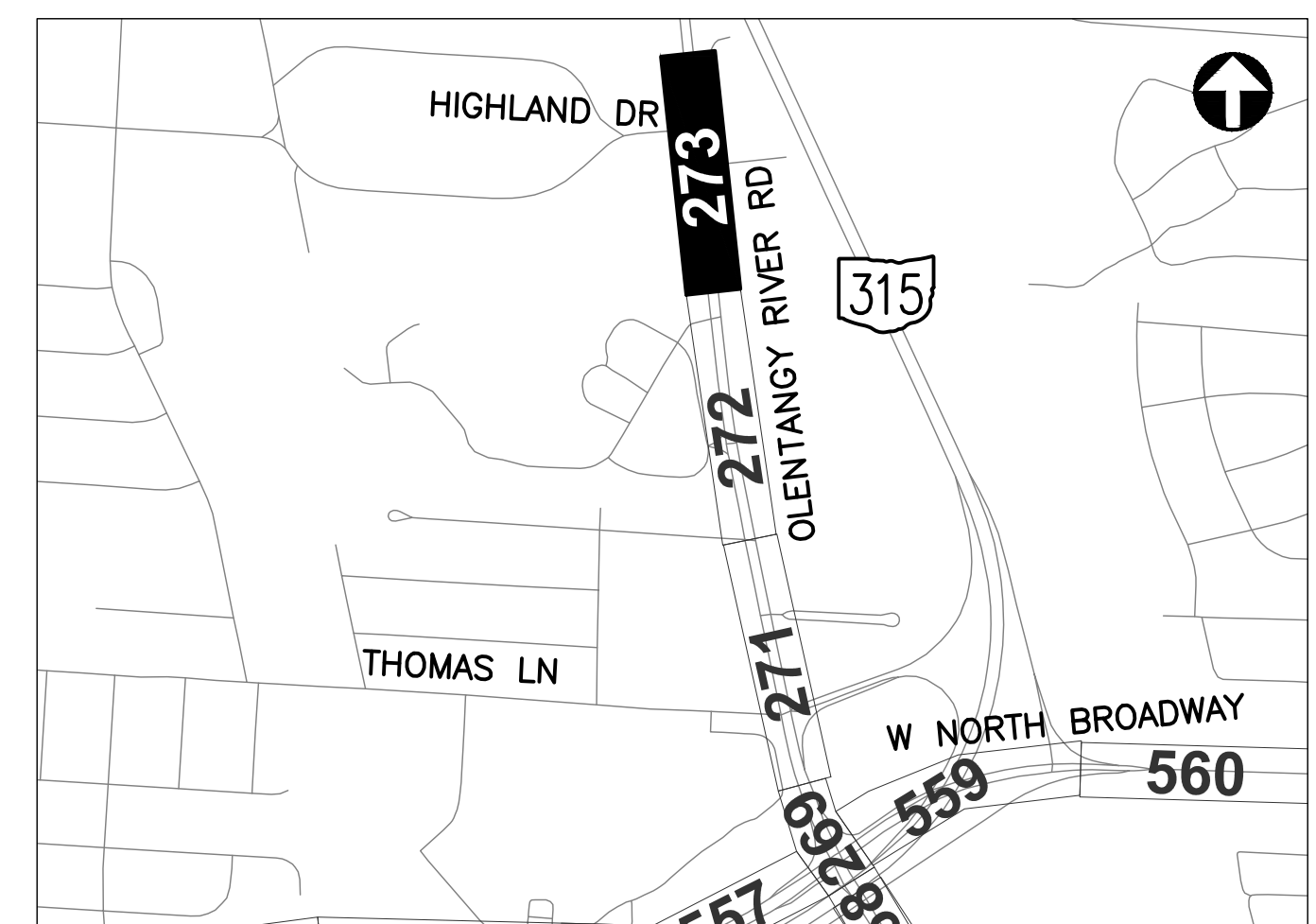


NOTES:

1. SEE SHEET 274 FOR QUANTITIES.
2. SEE SHEETS 665 & 778 FOR COMMUNICATION DETAILS.

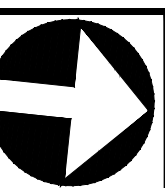


| CITY OF COLUMBUS UTILITY LEGEND |          |
|---------------------------------|----------|
| <input type="checkbox"/>        | SEWER    |
| <input type="checkbox"/>        | WATER    |
| <input type="checkbox"/>        | POWER    |
| <input type="checkbox"/>        | LIGHTING |



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
OLENTANGY RIVER RD BETWEEN STA. 289+00 AND 300+00, INT 4106

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

273  
1000

3150-E



J:\Jobs\60135\TCHPROD\Sheets\CTSS\PHD\_Trunk3\_OLENTANGY\_IG\_QUANTITIES.dwg - OLENTANGY-IG layout ~ last saved by gburch 09/13/2016 11:57am ~ printed 03/18/2020 07:52pm

| ESTIMATED QUANTITIES                                         |               |                    |                |                |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
|--------------------------------------------------------------|---------------|--------------------|----------------|----------------|------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------|---|---|---|---|---|
| SHEET NO.                                                    | REFERENCE NO. | LOCATION           | STATION        |                | 202                                            | 632                                                                  | 632                                                                | 632                                                                             | 632                                                                        | 632                                                                                    | 632                                                                                    | 632                                                                                  | 632                                                 | 632                                                    | 633                                                                                    | 633                                                           | 633                                                        | 633                                                                           |   |   |   |   |   |
|                                                              |               |                    |                |                | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE<br>EACH | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT<br>FT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE<br>FT | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM<br>EACH | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER ITEM,<br>MISC.: TERMINAL PORT<br>SERVER<br>EACH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN<br>EACH |   |   |   |   |   |
| OLENTANGY RIVER RD. BETWEEN STA. 266+00 AND 277+50, INT 4061 |               |                    |                |                |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 271                                                          | IC-1          | OLENTANGY RIVER RD | 266+00, 74' LT | 269+04, 76' LT |                                                | 313                                                                  |                                                                    | 308                                                                             |                                                                            |                                                                                        |                                                                                        | 313                                                                                  |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 271                                                          | TC-1          | OLENTANGY RIVER RD | 268+74, 55' LT |                |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 10                                                  |                                                        | 2                                                                                      | 1                                                             |                                                            | 1                                                                             |   |   |   |   |   |
| 271                                                          | IC-5          | OLENTANGY RIVER RD | 268+74, 55' LT | 268+88, 53' LT | 19                                             |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 271                                                          | EC-3          | OLENTANGY RIVER RD | 268+74, 55' LT | 268+88, 53' LT |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 19                                                  |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 271                                                          | IC-4          | OLENTANGY RIVER RD | 268+88, 53' LT |                |                                                |                                                                      |                                                                    |                                                                                 |                                                                            | 1                                                                                      |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 271                                                          | EC-2          | OLENTANGY RIVER RD | 268+88, 53' LT |                |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      | 35                                                  |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 271                                                          | IC-3          | OLENTANGY RIVER RD | 268+88, 53' LT | 269+04, 76' LT |                                                |                                                                      | 28                                                                 |                                                                                 |                                                                            |                                                                                        |                                                                                        | 28                                                                                   |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 271                                                          | EC-1          | OLENTANGY RIVER RD | 268+96, 62' RT | 269+00, 51' RT |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        | 104                                                                                  | 104                                                 |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 271                                                          | CTV-1         | OLENTANGY RIVER RD | 269+00, 51' RT |                |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     | 1                                                      |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 271                                                          | SE A-1        | OLENTANGY RIVER RD | 269+04, 76' LT |                |                                                | 150                                                                  | 24                                                                 |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 271                                                          | IC-2          | OLENTANGY RIVER RD | 269+04, 76' LT | 277+50, 68' LT |                                                | 862                                                                  |                                                                    | 849                                                                             |                                                                            |                                                                                        |                                                                                        | 862                                                                                  |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| OLENTANGY RIVER RD. BETWEEN STA. 277+50 AND 287+00, INT 4062 |               |                    |                |                |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 272                                                          | IC-1          | OLENTANGY RIVER RD | 277+00, 68' LT | 287+00, 69' LT |                                                | 997                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        | 997                                                                                  |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 272                                                          | IC-3          | OLENTANGY RIVER RD | 279+10, 70' LT |                |                                                | 150                                                                  |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 272                                                          | TC-1          | OLENTANGY RIVER RD | 287+14, 46' LT |                |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        | 2                                                                                      | 1                                                             | 1                                                          |                                                                               |   |   |   |   |   |
| 272                                                          | IC-4          | OLENTANGY RIVER RD | 287+14, 46' LT | 287+25, 69' LT |                                                |                                                                      |                                                                    | 25                                                                              |                                                                            | 1                                                                                      |                                                                                        | 25                                                                                   |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 272                                                          | SE A-1        | OLENTANGY RIVER RD | 287+25, 69' LT |                |                                                | 150                                                                  | 24                                                                 |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 272                                                          | IC-2          | OLENTANGY RIVER RD | 287+25, 69' LT | 289+00, 68' LT |                                                | 176                                                                  |                                                                    | 1                                                                               |                                                                            |                                                                                        |                                                                                        | 176                                                                                  |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| OLENTANGY RIVER RD. BETWEEN STA. 289+00 AND 300+00, INT 4106 |               |                    |                |                |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 273                                                          | IC-1          | OLENTANGY RIVER RD | 289+00, 68' LT | 296+12, 56' LT |                                                | 723                                                                  |                                                                    | 712                                                                             |                                                                            |                                                                                        |                                                                                        | 723                                                                                  |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 273                                                          | SE A-1        | OLENTANGY RIVER RD | 296+12, 56' LT |                |                                                |                                                                      |                                                                    |                                                                                 | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 273                                                          | IC-2          | OLENTANGY RIVER RD | 296+12, 56' LT | 299+25, 68' RT |                                                |                                                                      |                                                                    |                                                                                 |                                                                            | 1                                                                                      |                                                                                        | 12                                                                                   |                                                     |                                                        |                                                                                        |                                                               |                                                            |                                                                               |   |   |   |   |   |
| 273                                                          | TC-1          | OLENTANGY RIVER RD | 299+25, 68' RT |                |                                                |                                                                      |                                                                    |                                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                     |                                                        | 2                                                                                      | 1                                                             |                                                            |                                                                               |   |   |   |   |   |
| SHEET TOTAL                                                  |               |                    |                |                | 19                                             | 3,596                                                                | 60                                                                 | 3,201                                                                           | 3                                                                          | 2                                                                                      | 1                                                                                      | 3,354                                                                                | 168                                                 | 1                                                      | 6                                                                                      | 3                                                             | 1                                                          | 2                                                                             | - | - | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

OLENTANGY RIVER RD BTW STA. 266+00 & 300+00  
INTS 4061, 4248, 4106

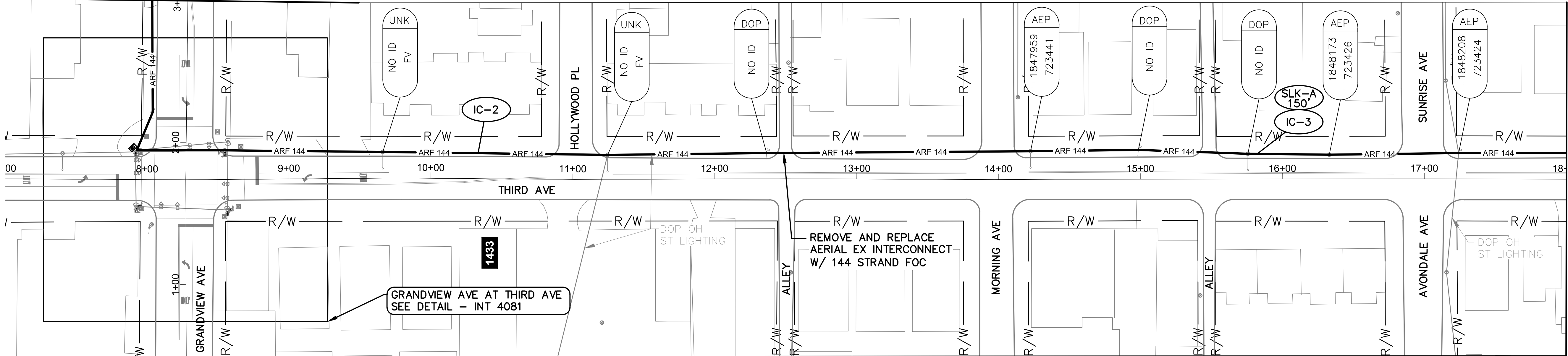
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PID NUMBER: 82573

274  
1000



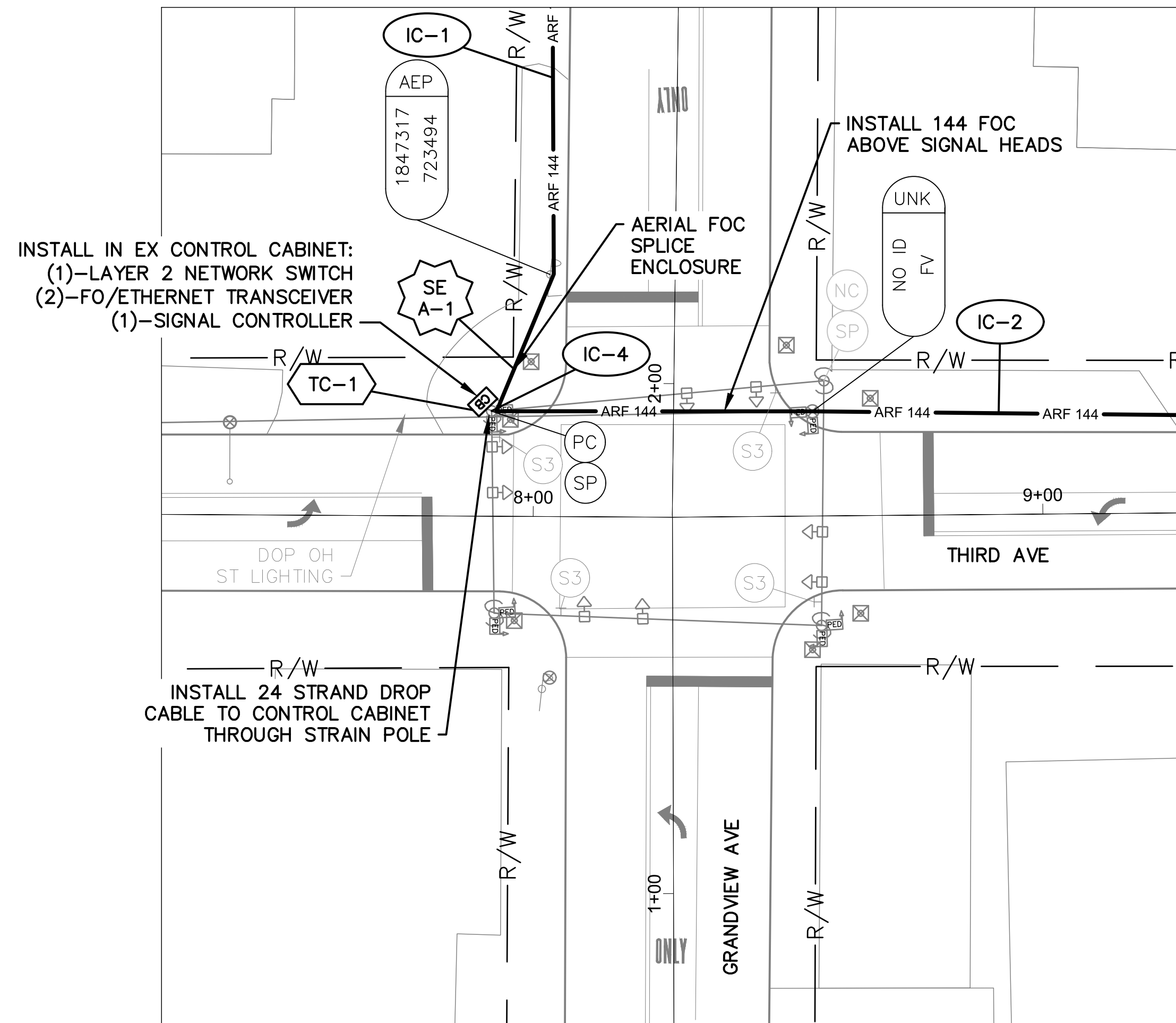
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MATCH LINE STA. 3+00, SEE GRANDVIEW AVE SHEET 277

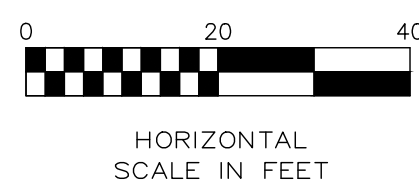


THIRD AVE BETWEEN STATION 7+00 AND 18+00

MATCH LINE STA. 18+00, SEE SHEET 276



DETAIL - INT 4081

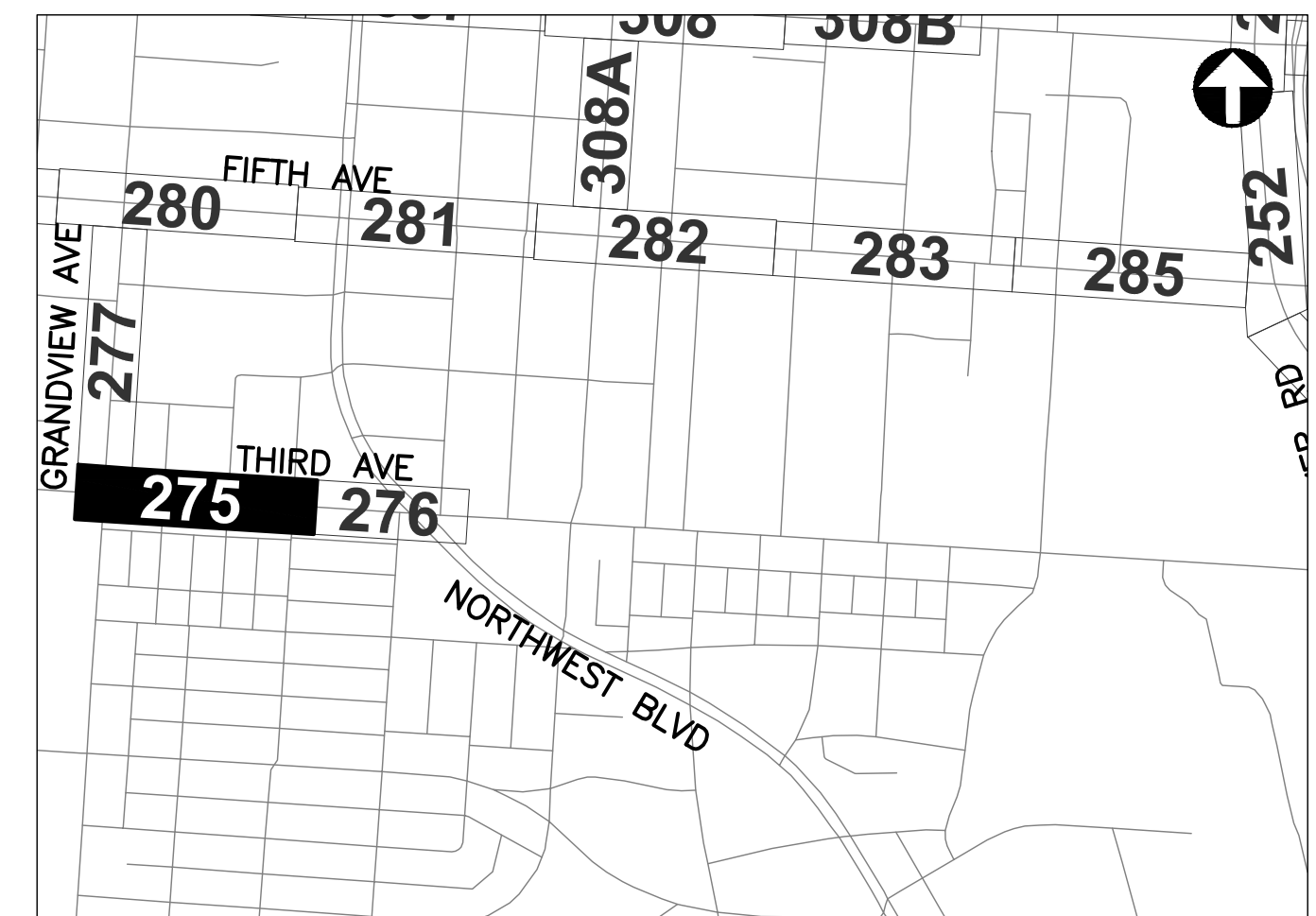


NOTES:

1. SEE SHEET 278 FOR QUANTITIES.
2. SEE SHEETS 671 & 807 FOR COMMUNICATION DETAILS.
3. 150' ADDITIONAL SLACK QUANTIFIED AT SPLICE LOCATION FOR FUTURE DoT USE.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

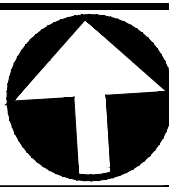
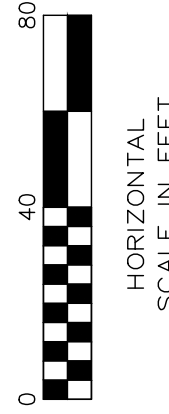
KEY PLAN  
NOT TO SCALE

INTERCONNECT PLAN  
THIRD AVE BETWEEN STA. 7+00 AND 18+00, INT 4081

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

275  
1000

3150-E



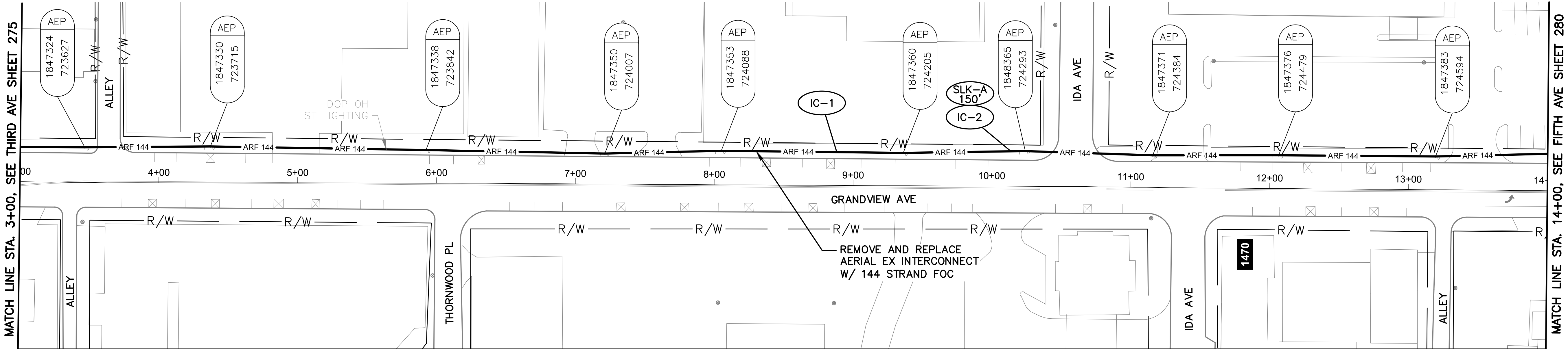
CIP: 540007-100006  
PID NUMBER: 82573







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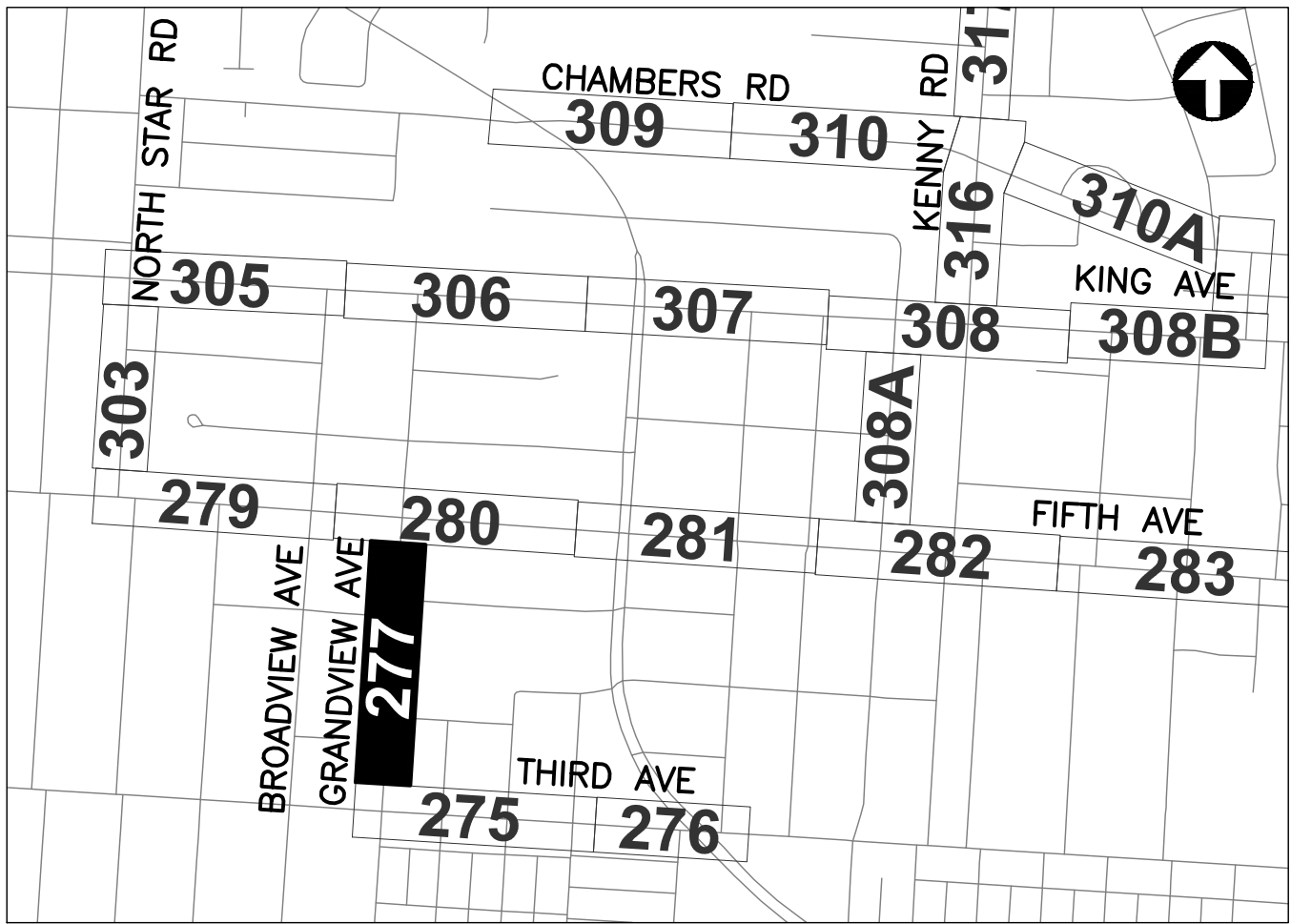
GRANDVIEW AVE BETWEEN STATION 3+00 AND 14+00

NOTES:

1. SEE SHEET 278 FOR QUANTITIES.
2. SEE SHEET 671 FOR COMMUNICATION DETAILS.

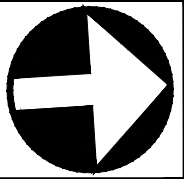


- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE





J:\Jobs\60135\TCHP\PROJ\Sheets\CTSS\CTSS\_Phd\_Trunk3\_Thrd\_IC\_QUANTITIES.dwg -- THRD-Q1 layout -- last saved by: gburch 07/29/2016 03:16pm -- printed 03/18/2020 07:55pm

| ESTIMATED QUANTITIES                              |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|---------------------------------------------------|---------------|---------------|---------------|----------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------|--------------------------------------------------------------|--|--|--|--|----|--|--|--|
| SHEET NO.                                         | REFERENCE NO. | LOCATION      | STATION       | 632                                                      | 632                                                  | 632                                                              | 632                                                          | 632                                                                   | 632                                                                   | 632                                                                   | 633                                                                   | 633                                             | 633                                          | 633                                                          |  |  |  |  |    |  |  |  |
|                                                   |               |               |               | INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND | INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE | INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT | INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE | MESSANGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN | CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE | CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH | CONTROLLER ITEM, MISC.: TERMINAL PORT SERVER | CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN |  |  |  |  |    |  |  |  |
|                                                   |               |               |               | FROM                                                     | TO                                                   | FT                                                               | EACH                                                         | FT                                                                    | EACH                                                                  | EACH                                                                  | EACH                                                                  | EACH                                            | EACH                                         | EACH                                                         |  |  |  |  |    |  |  |  |
| THIRD AVE. BETWEEN STA. 7+00 AND 18+00, INT 4081  |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
| 275                                               | SE A-1        | THIRD AVE     | 7+91, 21' LT  |                                                          |                                                      | 300                                                              | 24                                                           |                                                                       | 1                                                                     |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
| 275                                               | IC-4          | THIRD AVE     | 7+91, 21' LT  | 7+91, 21' LT                                             |                                                      |                                                                  |                                                              |                                                                       |                                                                       | 1                                                                     |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
| 275                                               | TC-1          | THIRD AVE     | 7+91, 21' LT  |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       | 2                                                                     | 1                                               |                                              | 1                                                            |  |  |  |  |    |  |  |  |
| 275                                               | IC-1          | GRANDVIEW AVE | 1+94, 36' LT  | 3+00, 25' LT                                             | 110                                                  |                                                                  |                                                              |                                                                       |                                                                       |                                                                       | 110                                                                   |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
| 275                                               | IC-2          | THIRD AVE     | 7+91, 21' LT  | 18+00, 18' LT                                            | 1,023                                                |                                                                  |                                                              |                                                                       |                                                                       |                                                                       | 1,023                                                                 |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
| 275                                               | IC-3          | THIRD AVE     | 15+82, 18' LT |                                                          | 150                                                  |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
| THIRD AVE. BETWEEN STA. 18+00 AND 25+00, INT 4080 |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
| 276                                               | IC-1          | THIRD AVE     | 18+00, 18' LT | 21+40, 21' LT                                            | 346                                                  |                                                                  |                                                              |                                                                       |                                                                       |                                                                       | 346                                                                   |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
| 276                                               | SE A-1        | THIRD AVE     | 21+40, 21' LT |                                                          | 75                                                   | 12                                                               |                                                              | 1                                                                     |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
| 276                                               | IC-2          | THIRD AVE     | 21+40, 21' LT | 22+65, 60' LT                                            |                                                      |                                                                  |                                                              |                                                                       |                                                                       | 1                                                                     | 131                                                                   |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
| 276                                               | TC-1          | THIRD AVE     | 22+65, 60' LT |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       | 2                                               | 1                                            | 1                                                            |  |  |  |  |    |  |  |  |
| GRANDVIEW AVE. BETWEEN STA. 3+00 AND 14+00        |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
| 277                                               | IC-1          | GRANDVIEW AVE | 3+00, 25' LT  | 10+13, 25' LT                                            | 117                                                  |                                                                  |                                                              |                                                                       |                                                                       |                                                                       | 117                                                                   |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
| 277                                               | IC-2          | GRANDVIEW AVE | 10+13, 25' LT |                                                          | 150                                                  |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
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|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
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|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
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|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
|                                                   |               |               |               |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                              |                                                              |  |  |  |  |    |  |  |  |
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AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

THIRD AVE BTW STA. 7+00 & 25+00  
GRANDVIEW AVE BTW STA. 3+00 & 14+00, INTS 4081, 4080

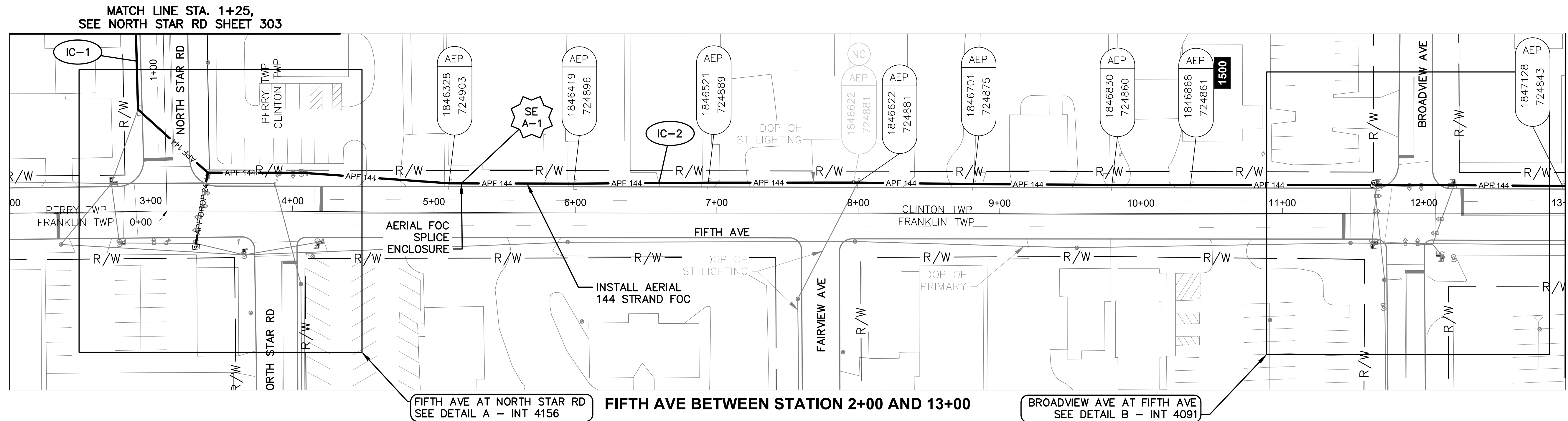
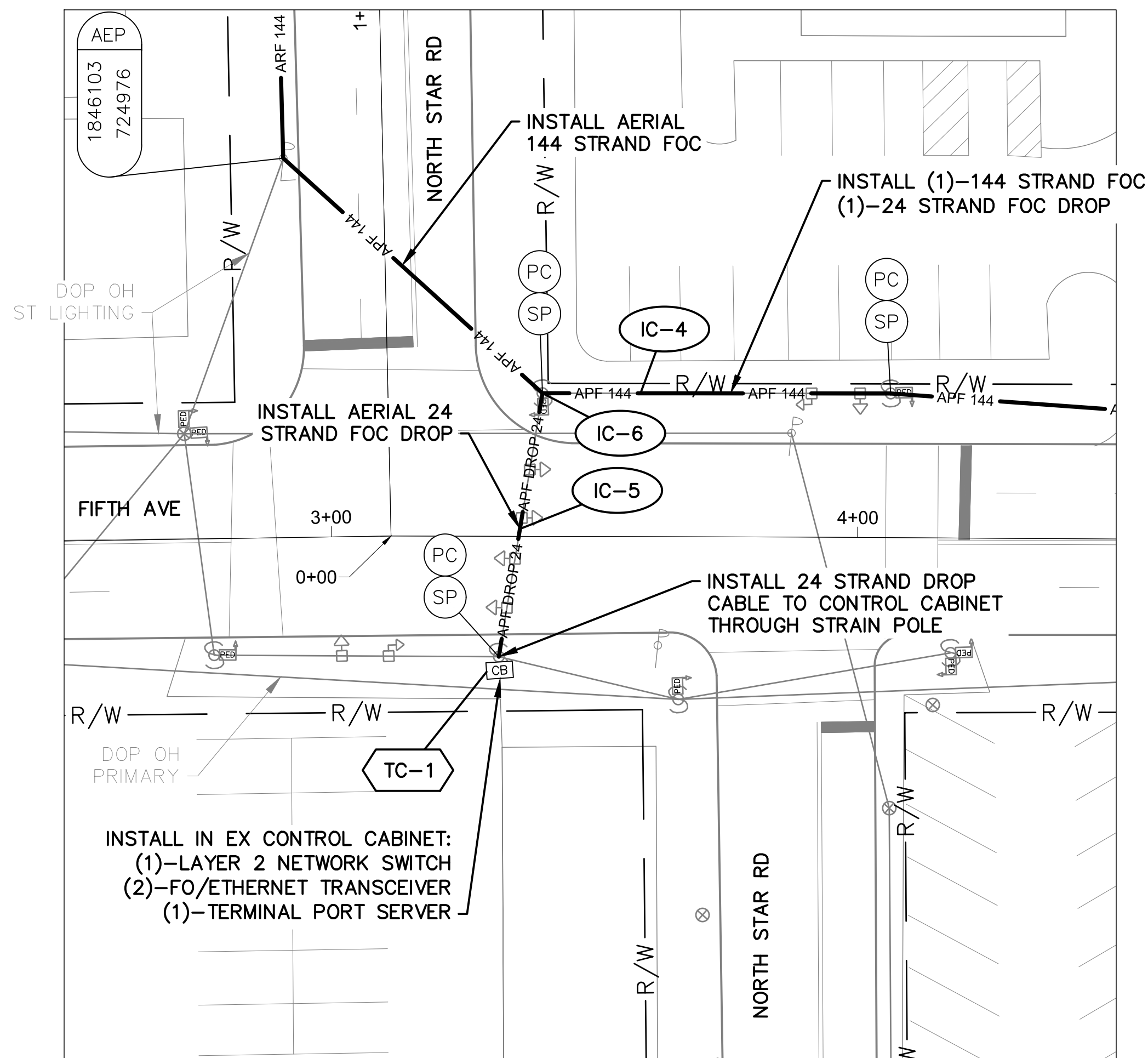
CIP: 540007-100006  
PID NUMBER: 82573

278

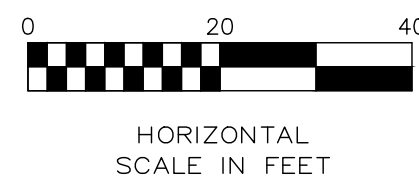
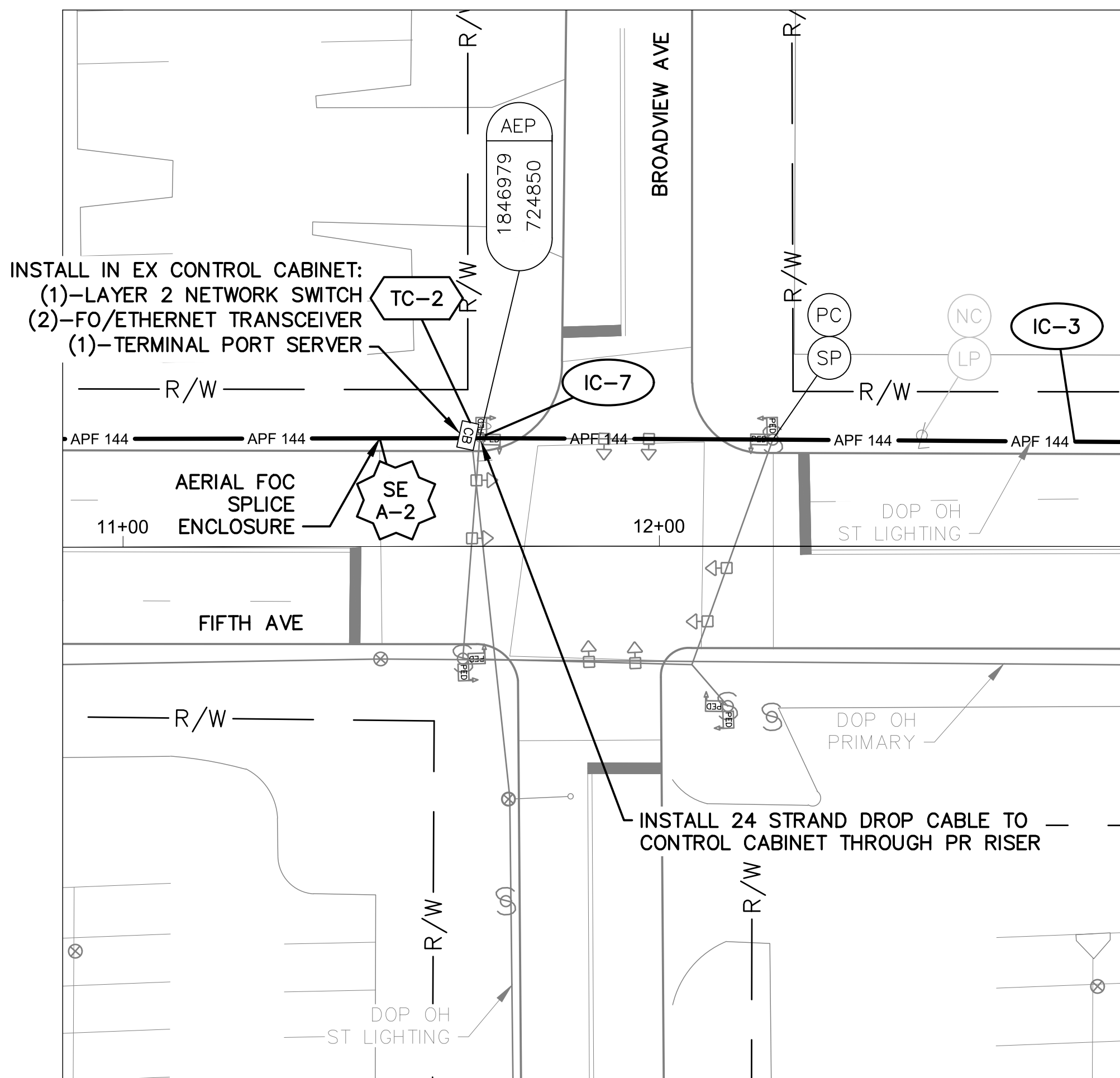
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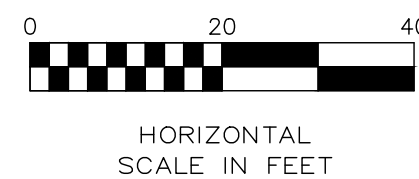
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DETAIL A - INT 4156



DETAIL B - INT 4091

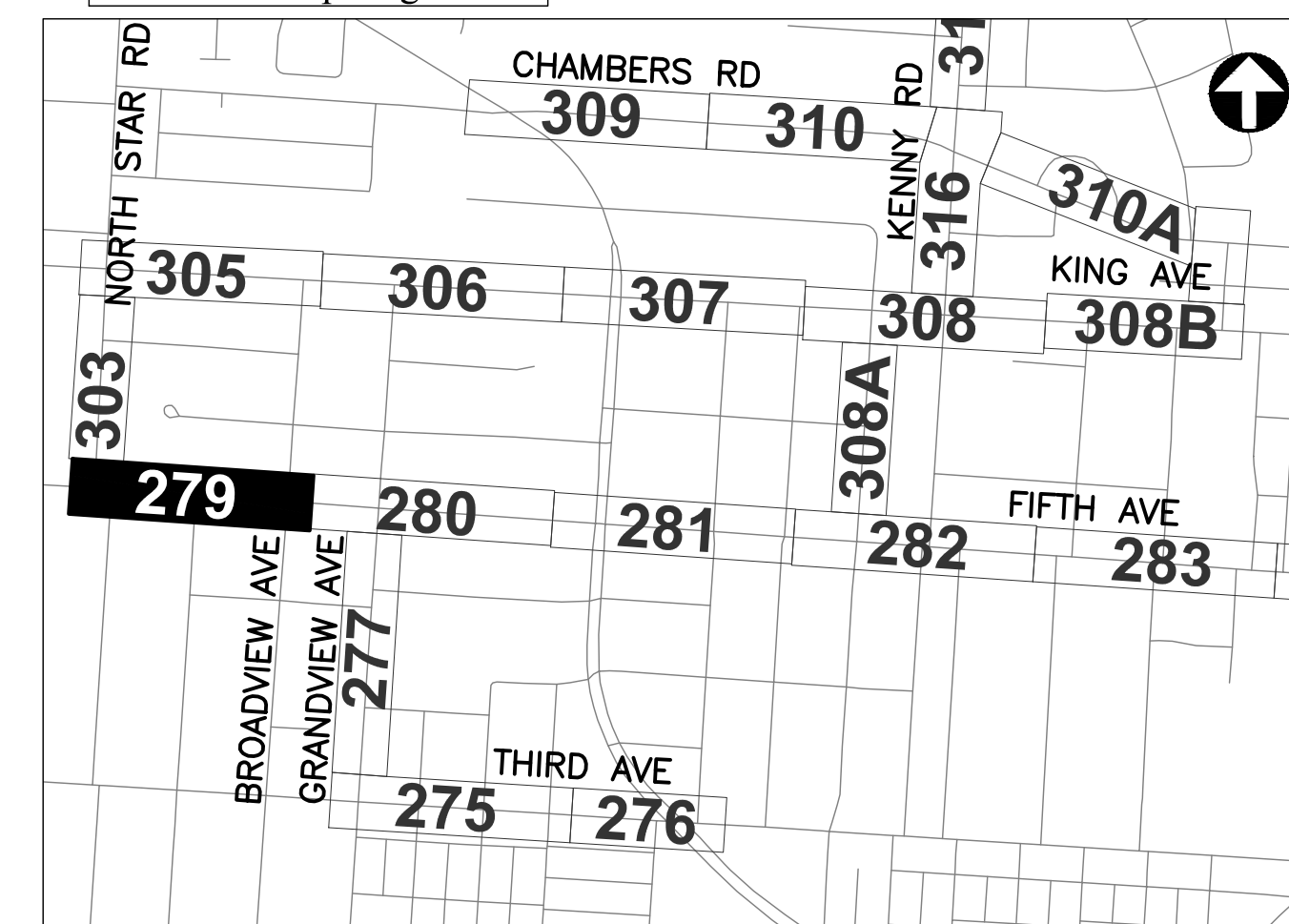


NOTES:

1. SEE SHEET 284 FOR QUANTITIES.
2. SEE SHEETS 671, 804 & 805 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET AT INT 4156 IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

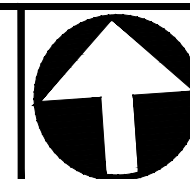


| CITY OF COLUMBUS UTILITY LEGEND     |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
FIFTH AVE BETWEEN STA. 2+00 AND 13+00, INTS 4156 & 4091

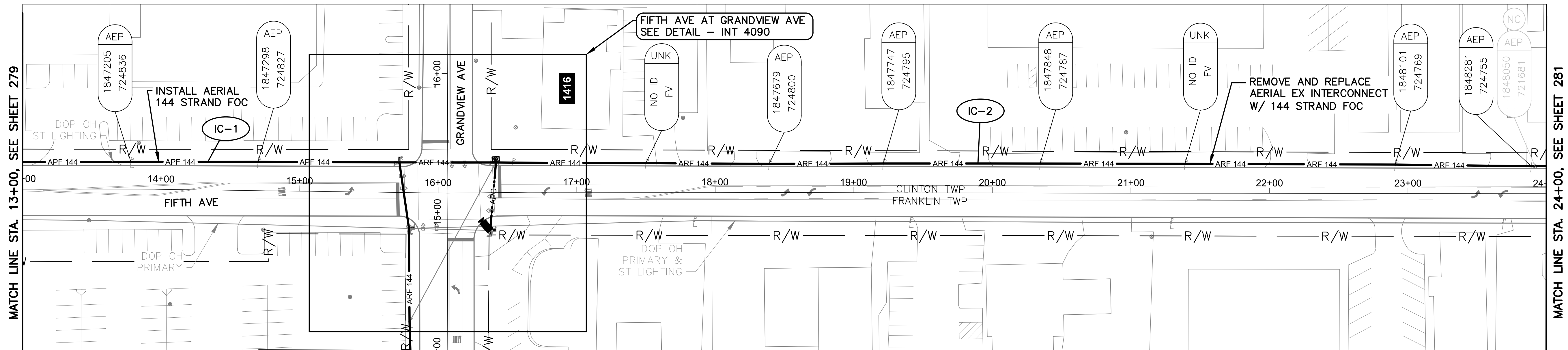
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

279  
1000

3150-E

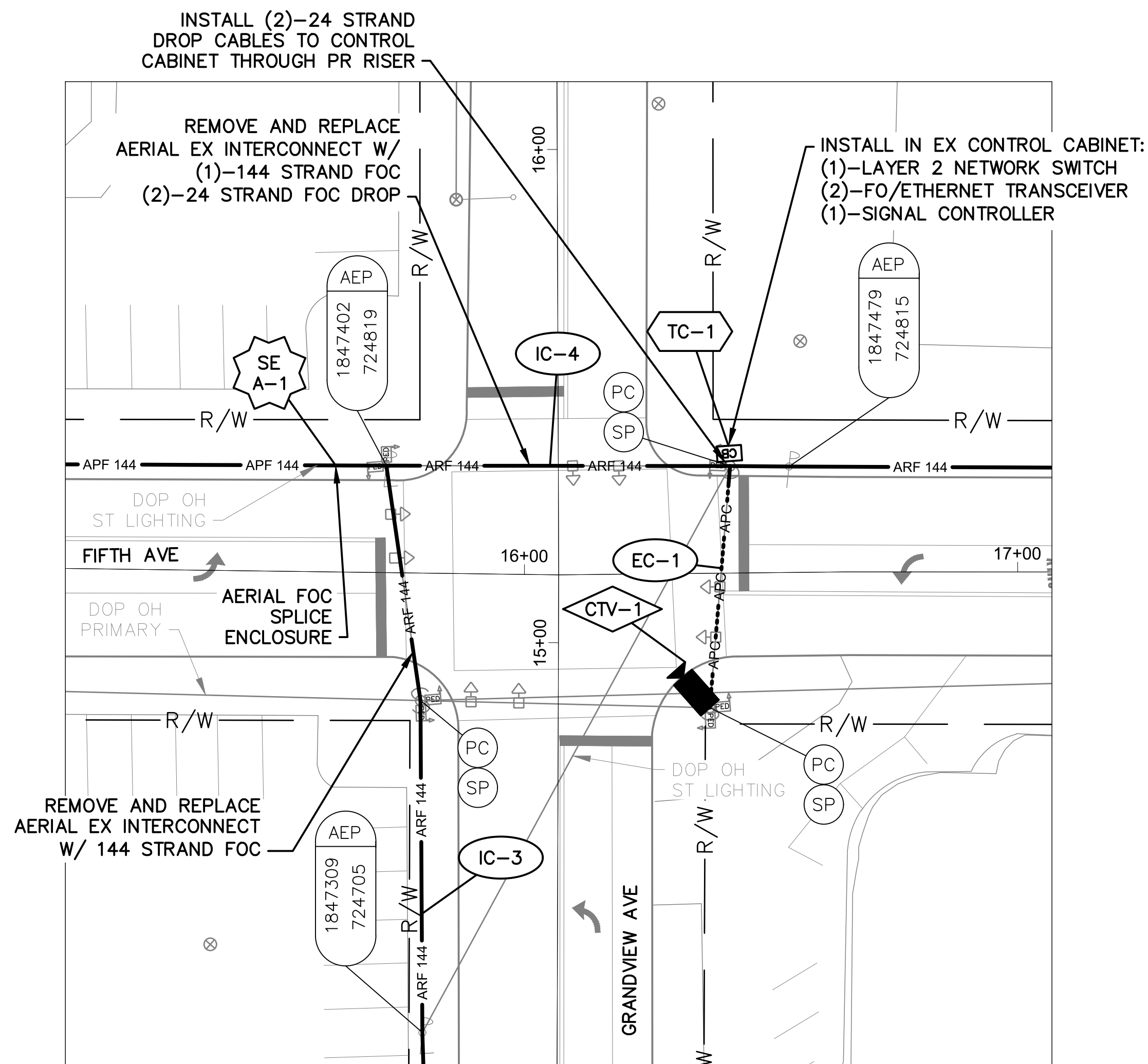


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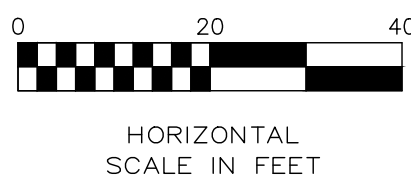
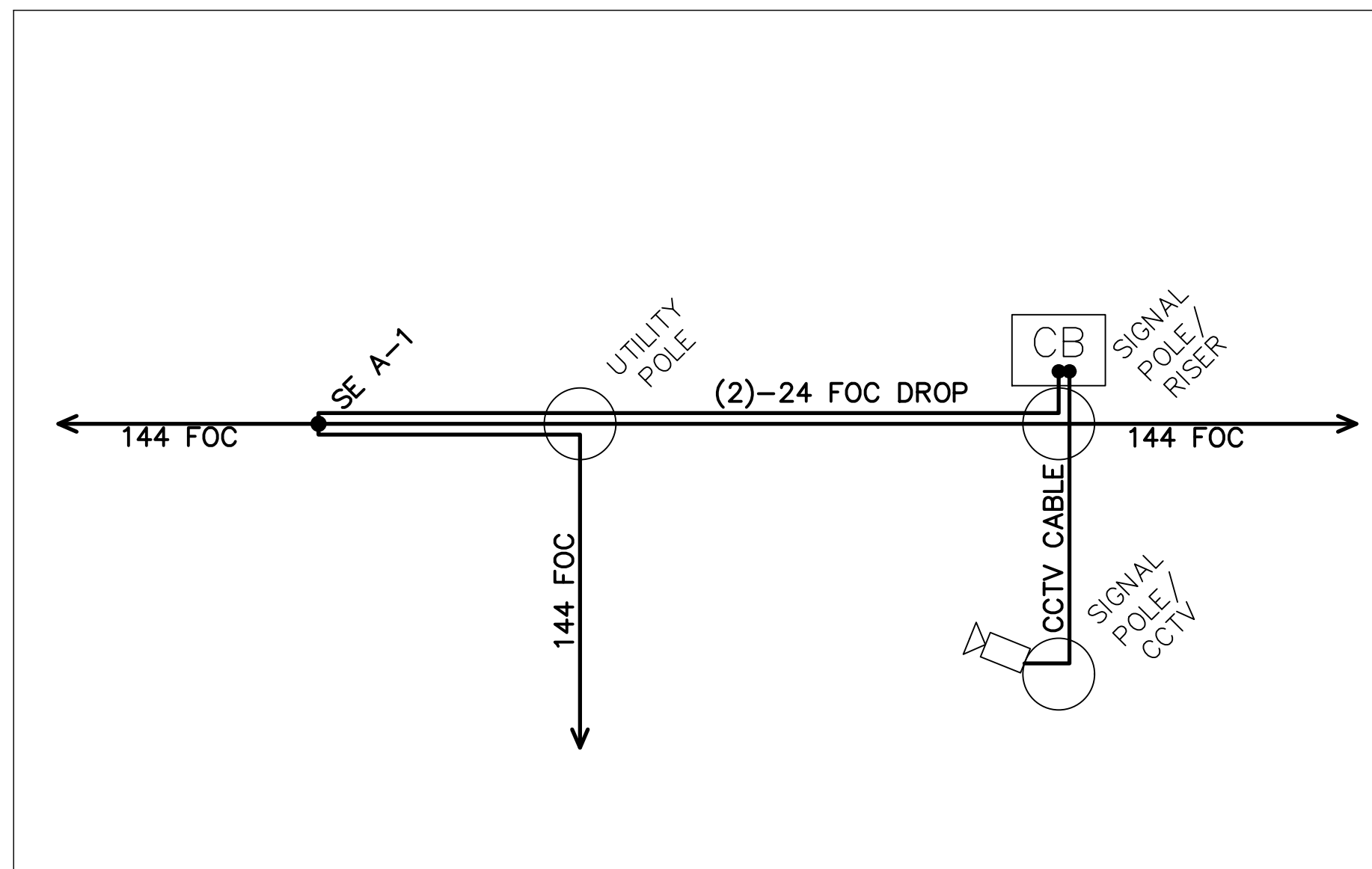


MATCH LINE STA. 14+00, SEE GRANDVIEW AVE SHEET 277

FIFTH AVE BETWEEN STATION 13+00 AND 24+00



DETAIL - INT 4090



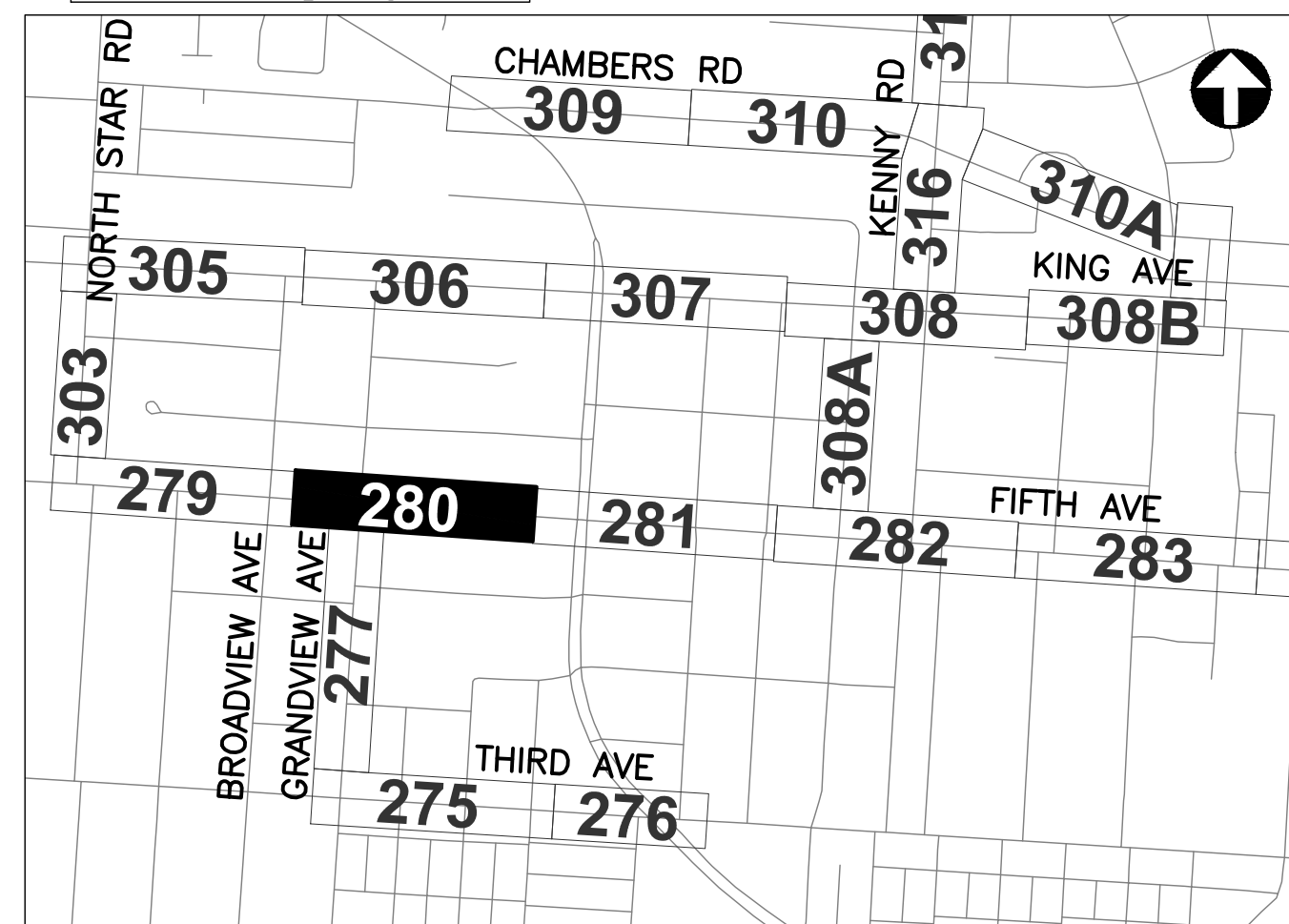
CABLE SCHEMATIC - INT 4090  
NOT TO SCALE

NOTES:

1. SEE SHEET 284 FOR QUANTITIES.
2. SEE SHEETS 671 & 806 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 4090, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.
4. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

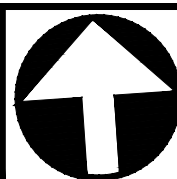


| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
FIFTH AVE BETWEEN STA. 13+00 AND 24+00, INT 4090

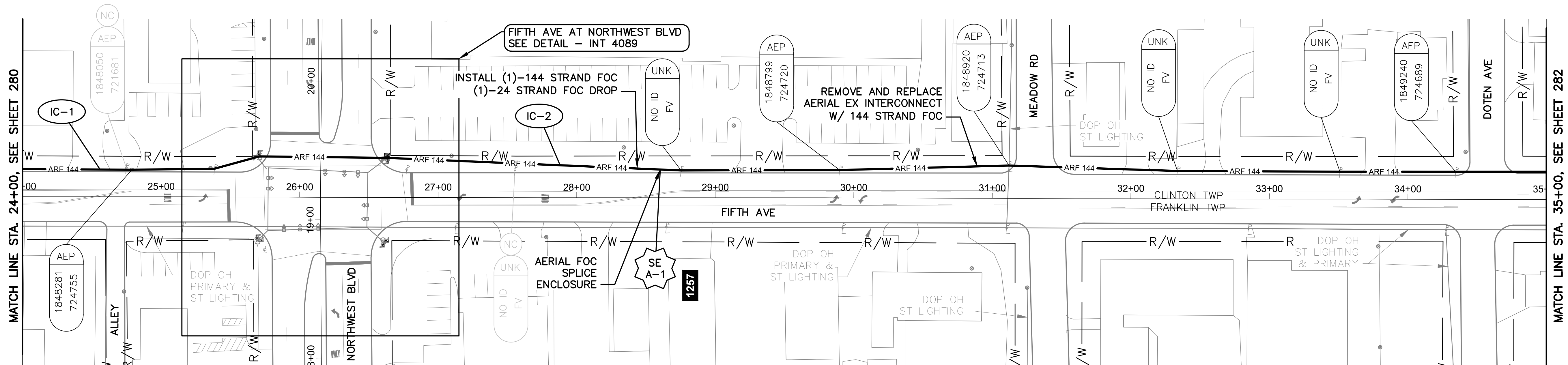
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

280  
1000

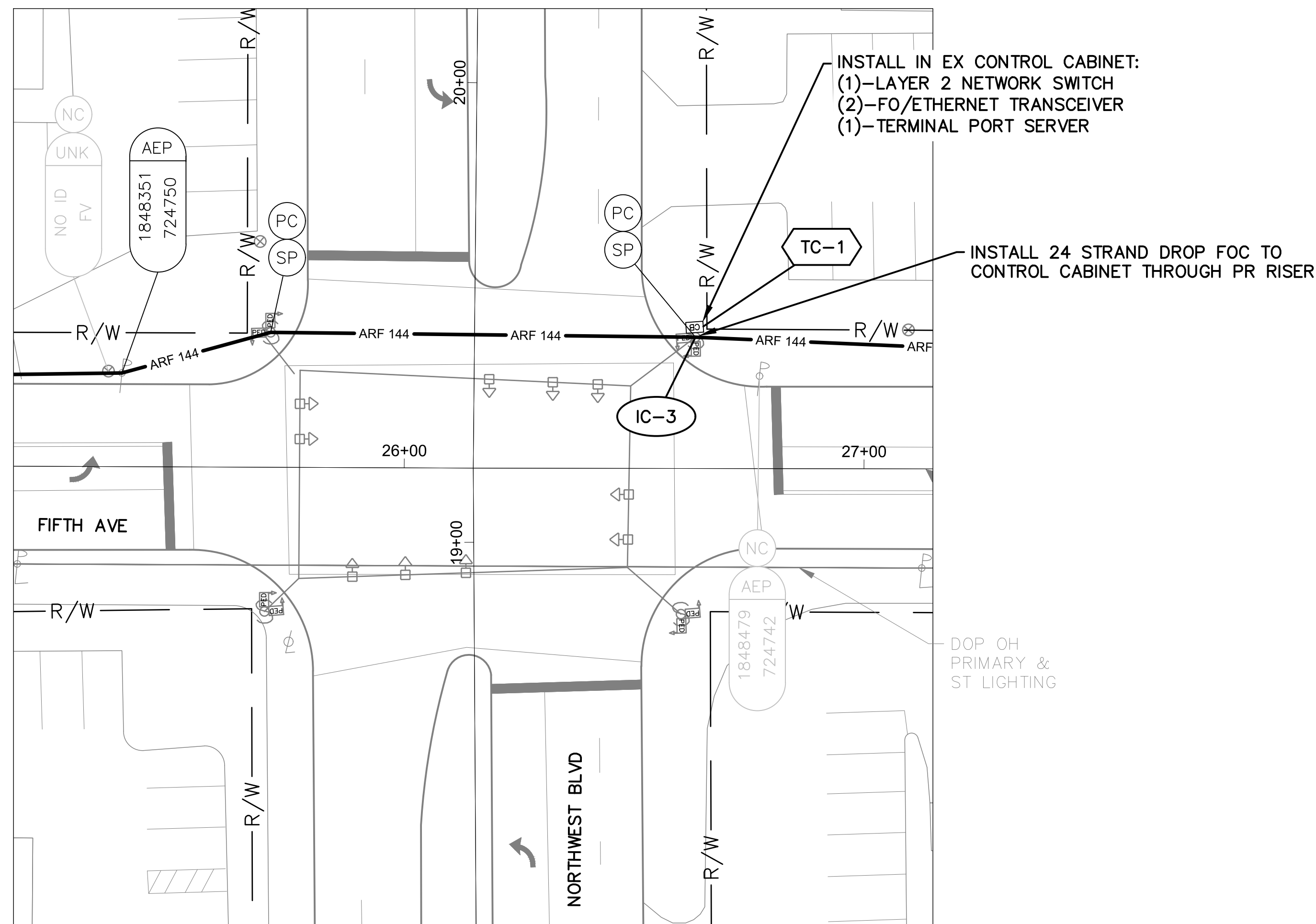
3150-E



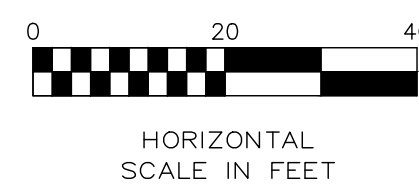
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FIFTH AVE BETWEEN STATION 24+00 AND 35+00



DETAIL - INT 4089

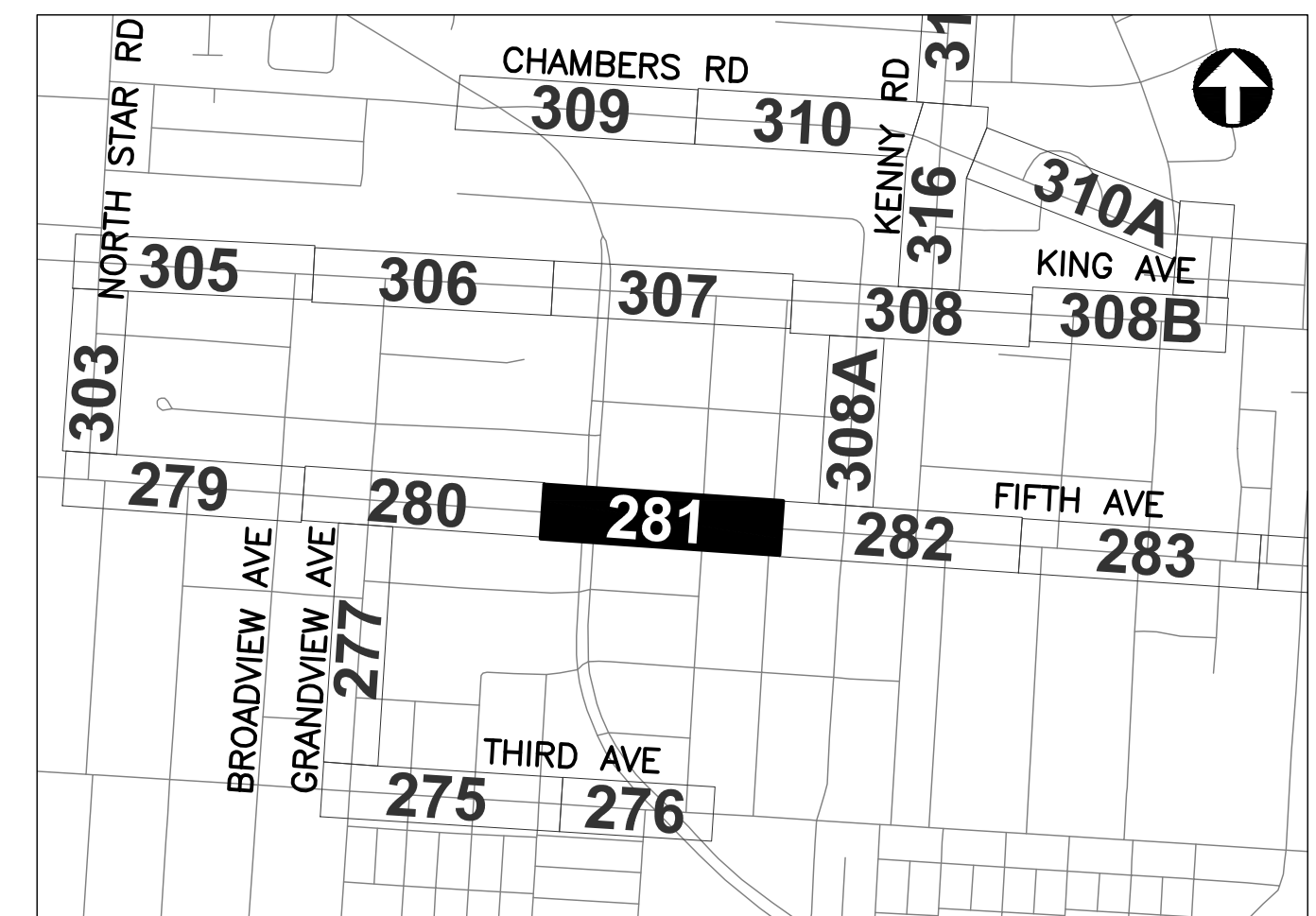


NOTES:

1. SEE SHEET 284 FOR QUANTITIES.
2. SEE SHEETS 671 & 809 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.



| CITY OF COLUMBUS UTILITY LEGEND     |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |

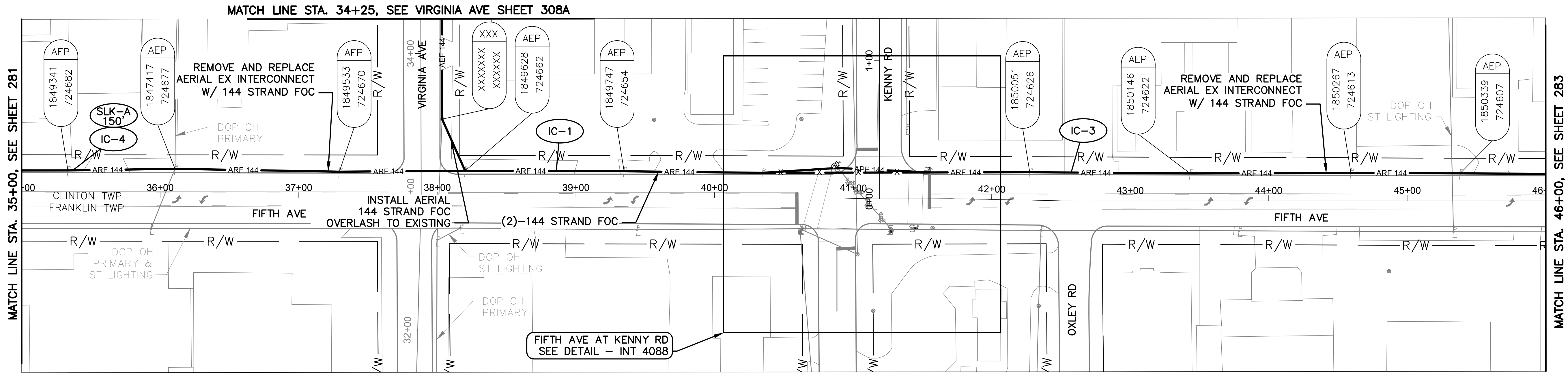
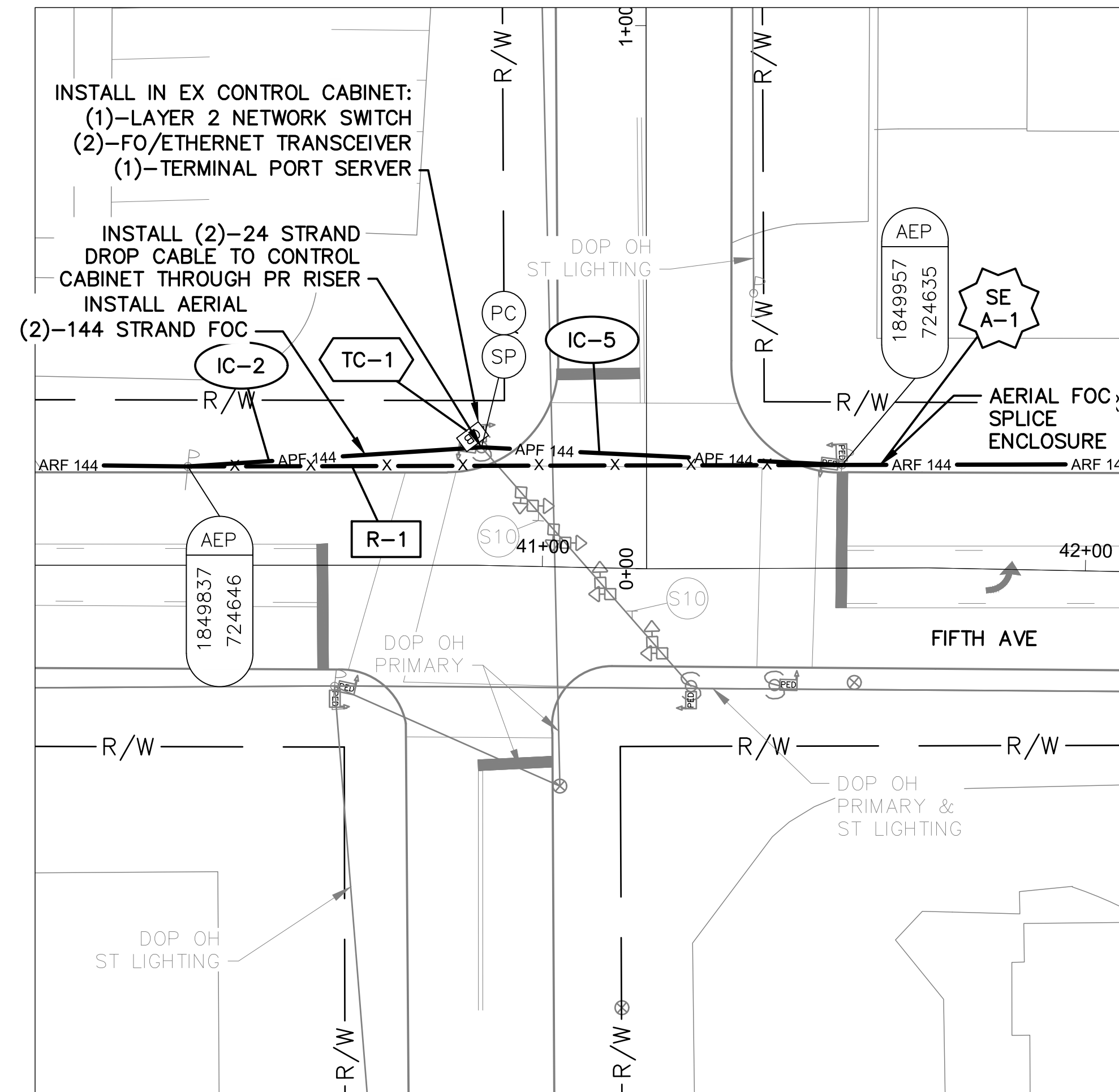


REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



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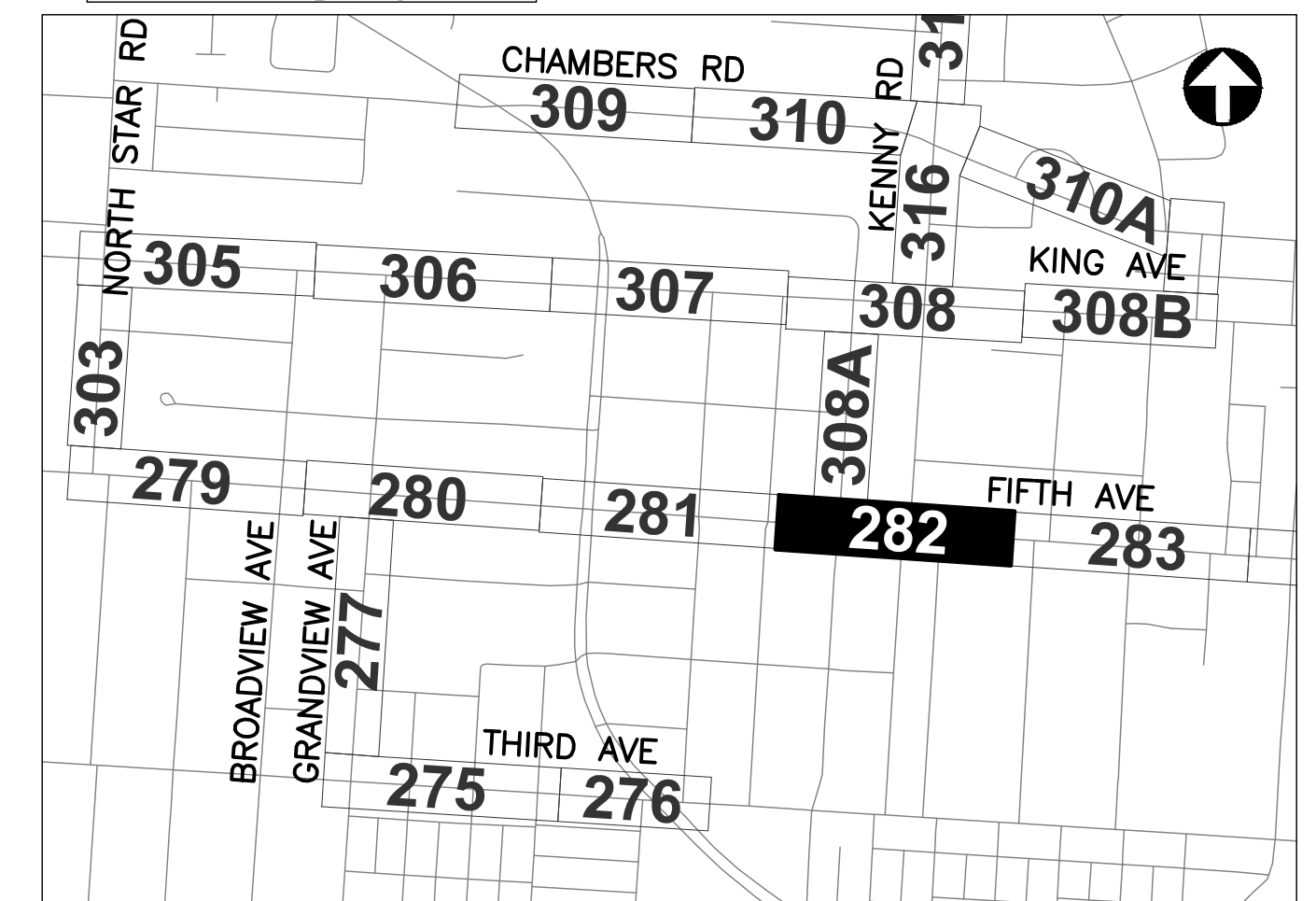


NOTES:

1. SEE SHEET 284 FOR QUANTITIES.
2. SEE SHEETS 671 & 748 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

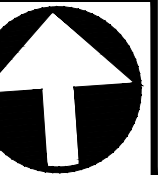


| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
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| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
FIFTH AVE BETWEEN STA. 35+00 AND 46+00, INT 4088

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

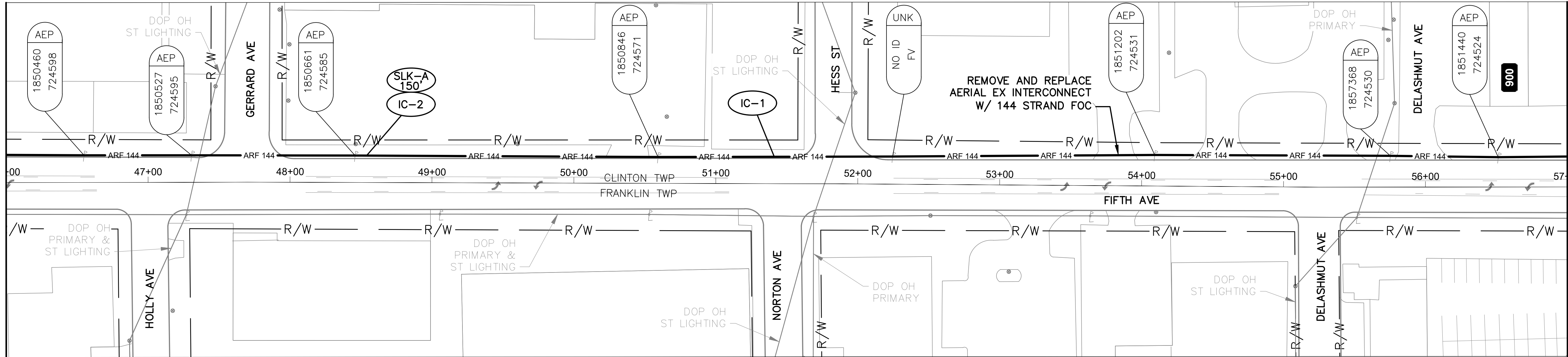
282  
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3150-E



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MATCH LINE STA. 46+00, SEE SHEET 282



MATCH LINE STA. 57+00, SEE SHEET 285

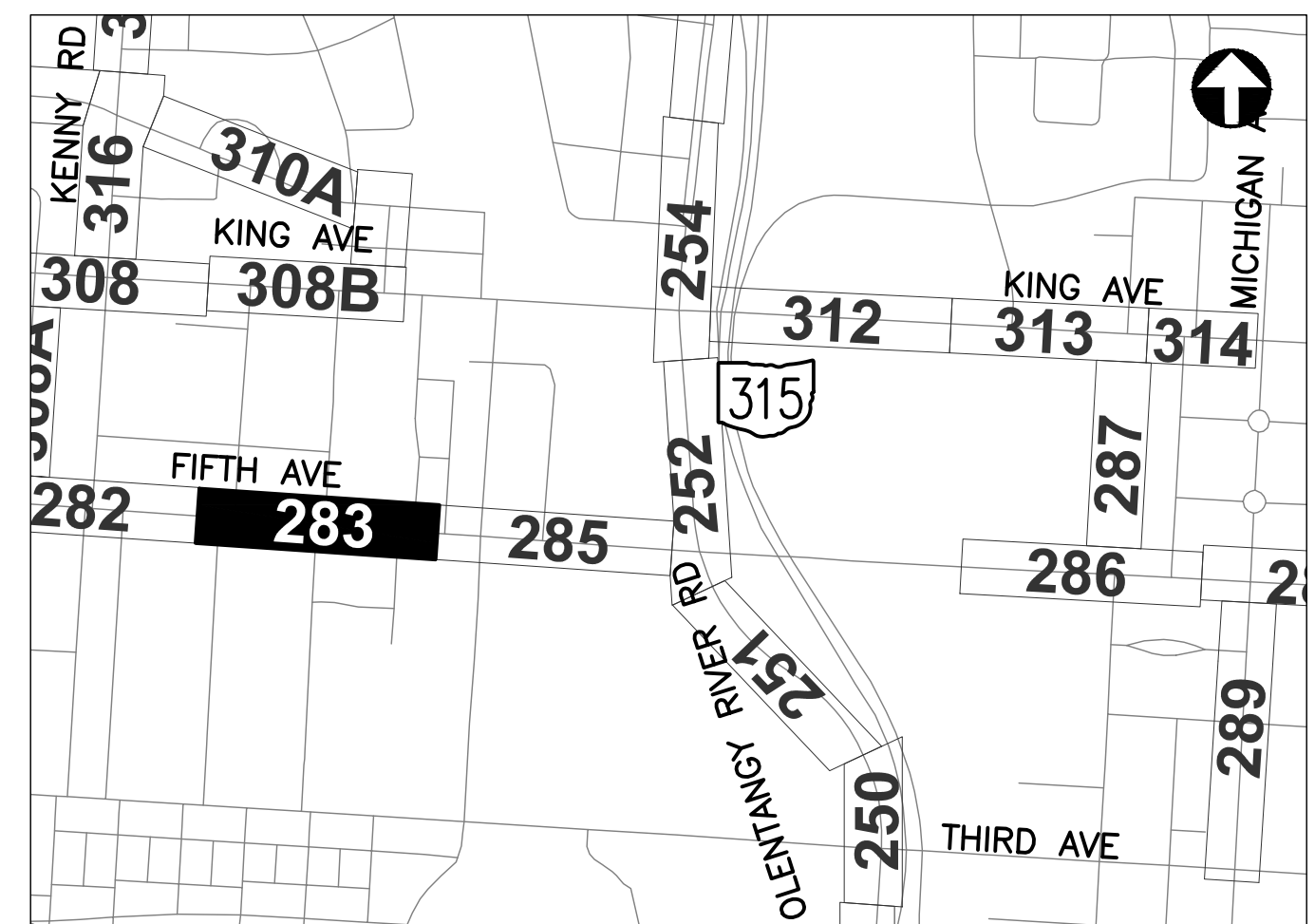
FIFTH AVE BETWEEN STATION 46+00 AND 57+00

NOTES:

1. SEE SHEET 284 FOR QUANTITIES.
2. SEE SHEET 671 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING



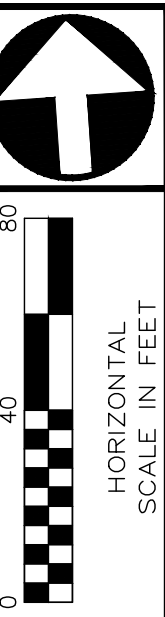
REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

INTERCONNECT PLAN  
FIFTH AVE BETWEEN STA. 46+00 AND 57+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

CIP: 540007-10006  
PID NUMBER: 82573



283  
1000

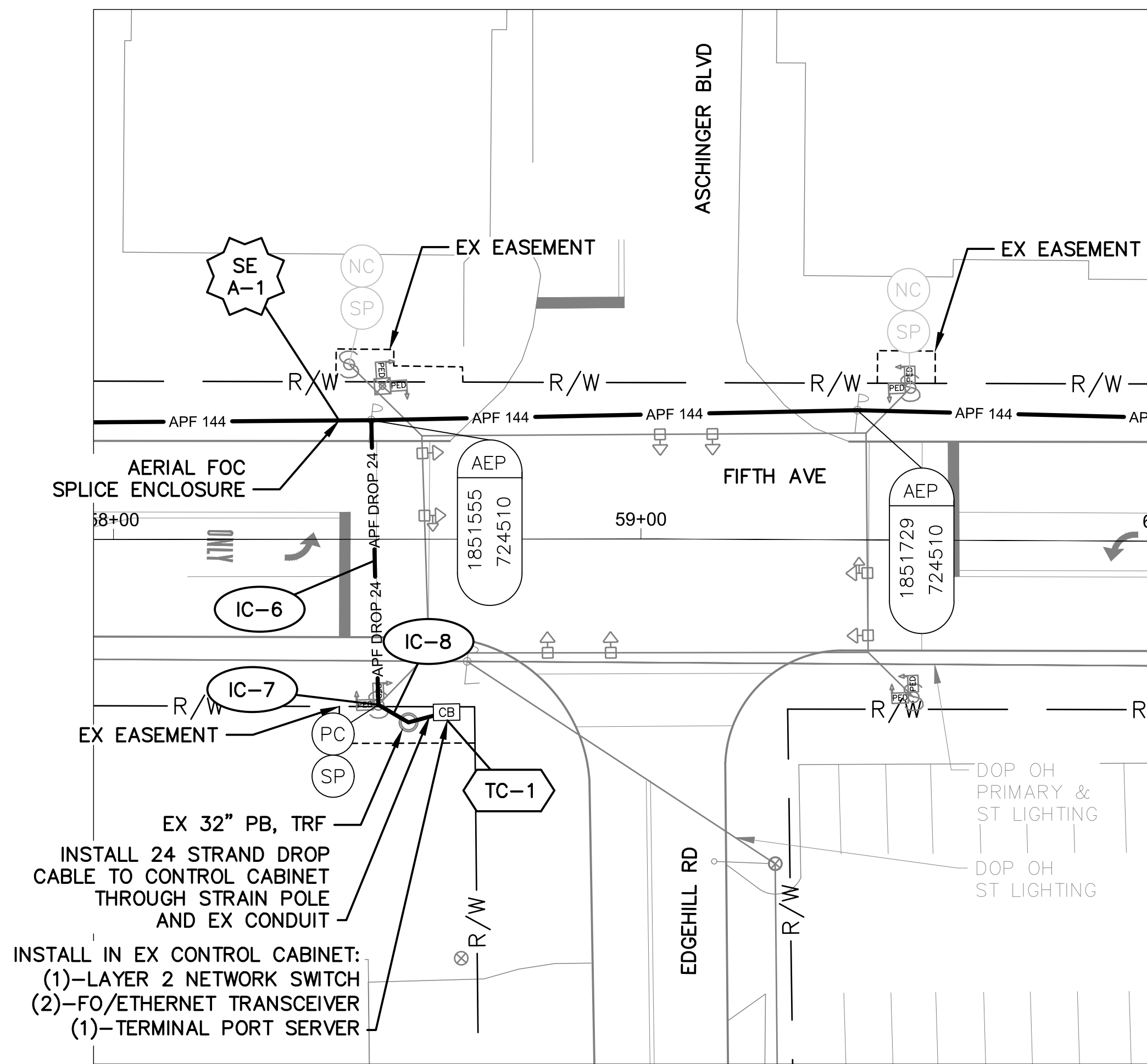
3150-E



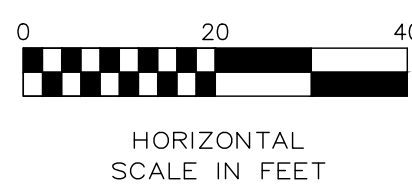
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J:\Jobs\60135\TCHPRD00\Sheets\CTSS\_PHD\_Trunk3\_FIFTH\_INTERCONNECT.dwg - FIFTH-6 layout ~ last saved by: gburch 11/13/2018 10:51am ~ printed: 03/18/2020 08:04pm



DETAIL - INT 4087



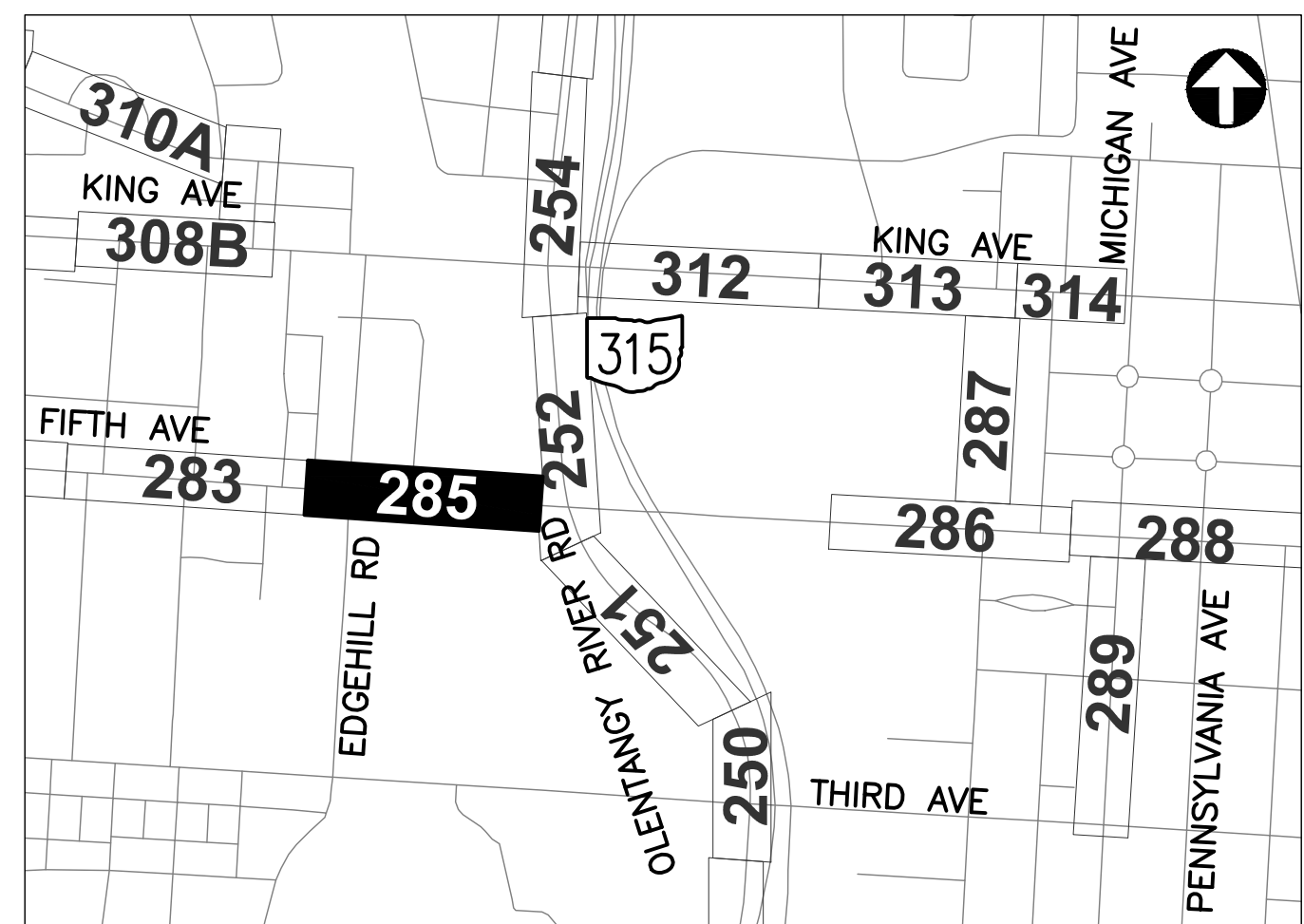
HORIZONTAL  
SCALE IN FEET



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING

**NOTES:**

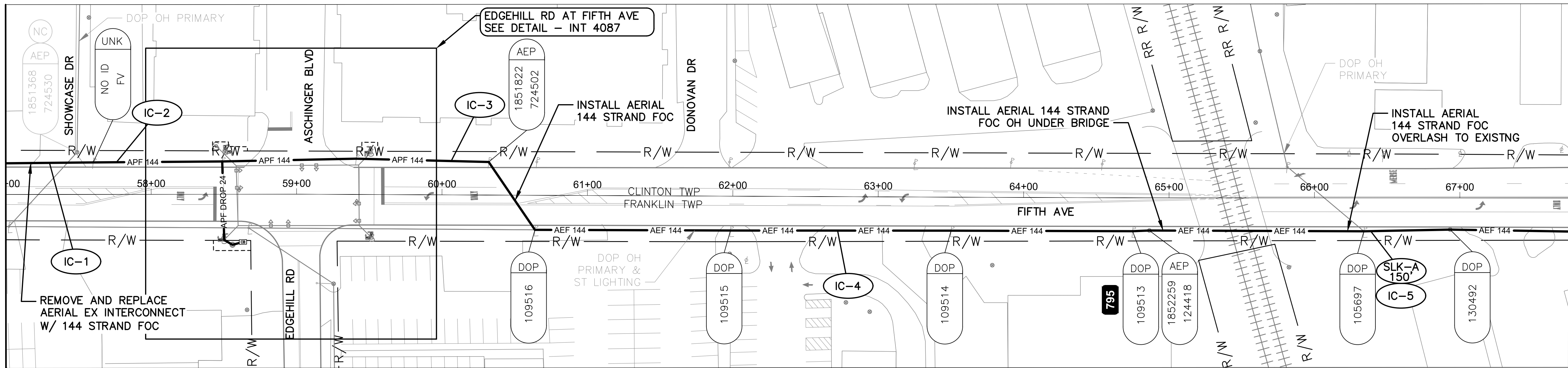
1. SEE SHEET 291 FOR QUANTITIES.
2. SEE SHEETS 671 & 810 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 65+37, 22' LT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.
4. EASEMENTS SHOWN ARE PART OF IMPROVEMENTS OF W. FIFTH AVENUE AT EDGEHILL ROAD PROJECT DR E 3131.



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

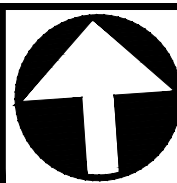
**KEY PLAN**  
NOT TO SCALE

MATCH LINE STA. 57+00, SEE SHEET 283



FIFTH AVE BETWEEN STATION 57+00 AND 67+75

MATCH LINE STA. 67+75, SEE OLENTANGY RIVER RD SHEET 252



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
FIFTH AVE BETWEEN STA. 57+00 AND 67+75, INT 4087

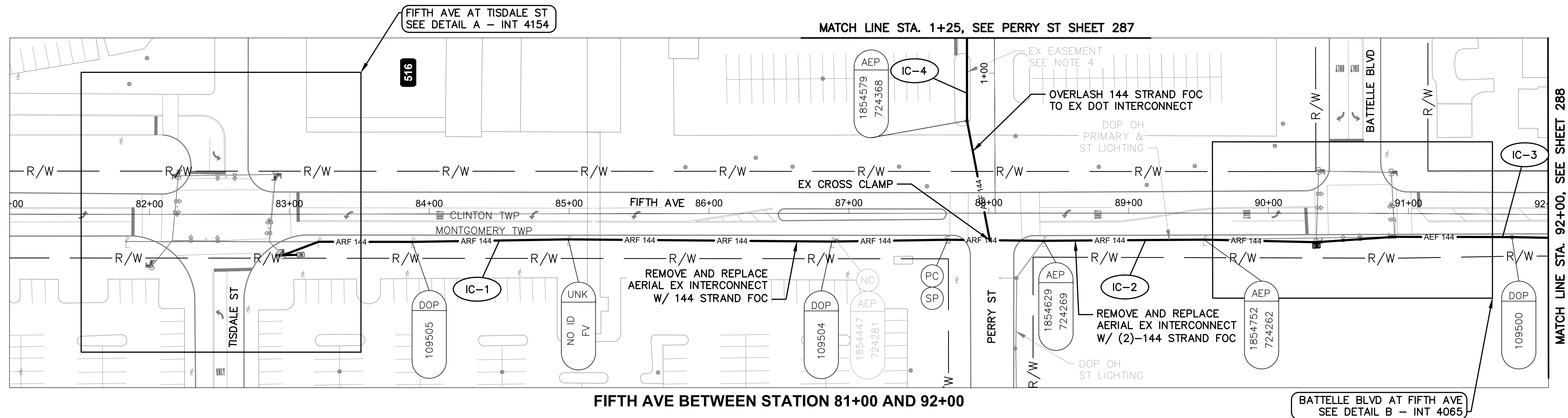
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

**285**  
**1000**

**3150-E**



J:\Jobs\60135\TCHP000\Streets\CTSS\_Phd\_Trunk3\_FIFTH-INTERCONNECT.dwg - FIFTH-7 layout ~ last saved by: gburch 11/13/2018 10:51am ~ printed: 03/18/2020 08:05pm

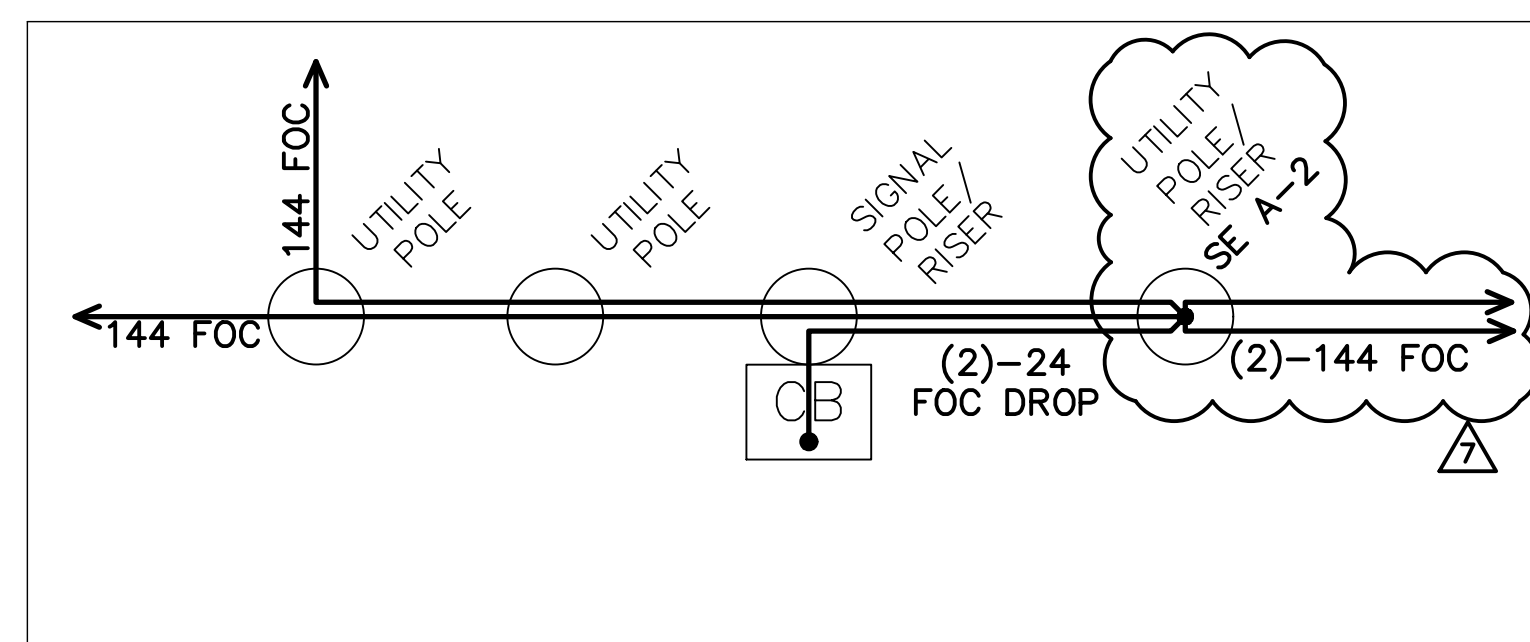


FIFTH AVE BETWEEN STATION 81+00 AND 92+00

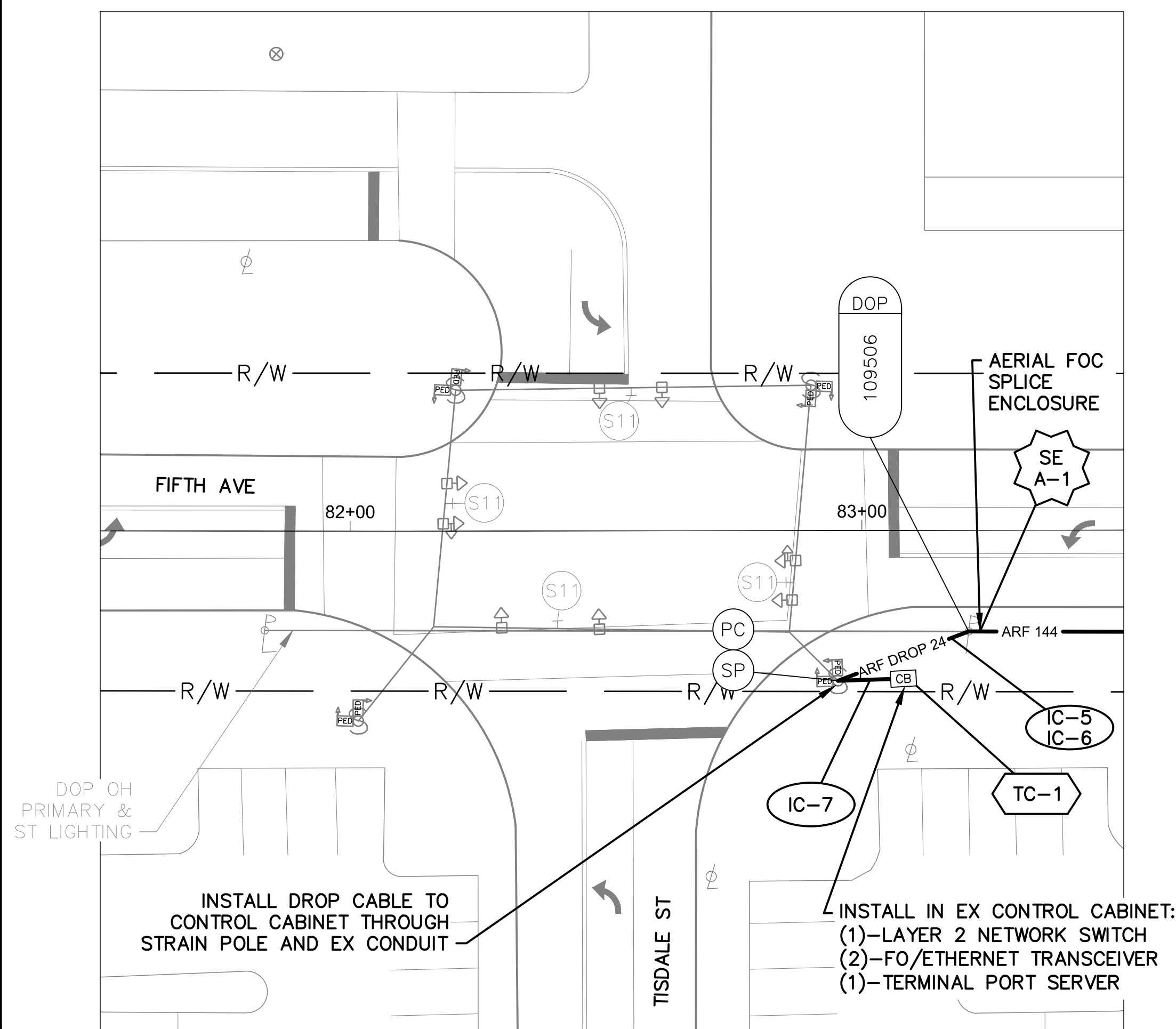
BATTELLE BLVD AT FIFTH AVE  
SEE DETAIL B - INT 4065

NOTES:

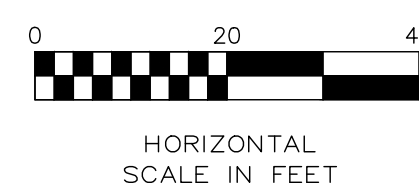
1. SEE SHEET 291 FOR QUANTITIES.
2. SEE SHEETS 671, 811 & 814 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 4065, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.
4. EXISTING UTILITY POLE PATH IS LOCATED WITHIN RESERVED EASEMENT RIGHTS UNDER SECTION 2 OF ORDINANCE 2406-81 (PASSED 11-16-1981).



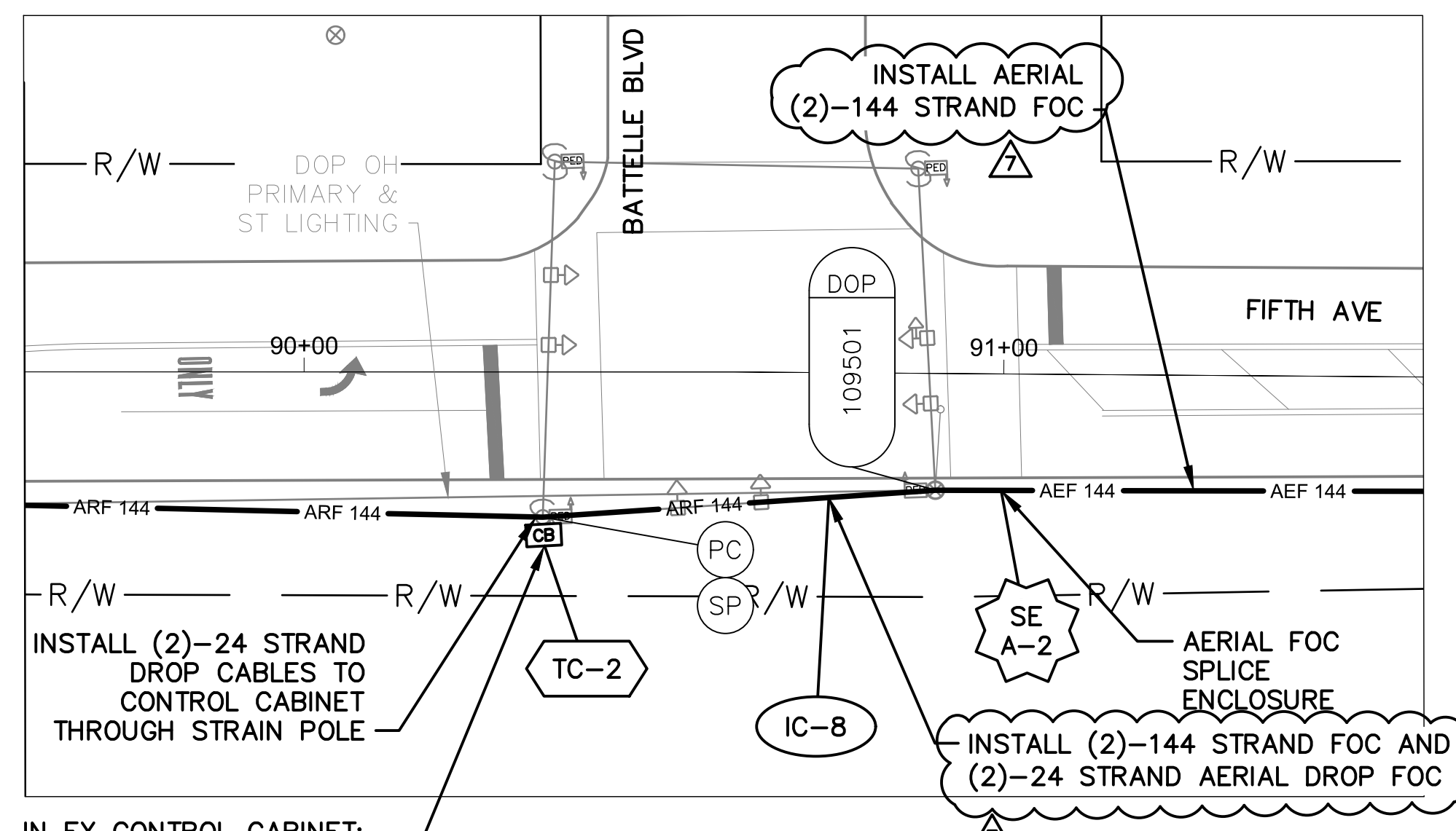
CABLE SCHEMATIC - INT 4065  
NOT TO SCALE



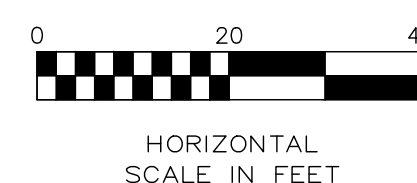
DETAIL A - INT 4154



HORIZONTAL  
SCALE IN FEET



DETAIL B - INT 4065



HORIZONTAL  
SCALE IN FEET



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |

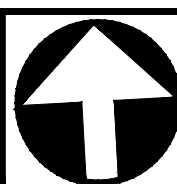


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

REVISION 7.0  
11-9-2018

3150-E



CIP: 540007-100006

PID NUMBER: 82573

INTERCONNECT PLAN

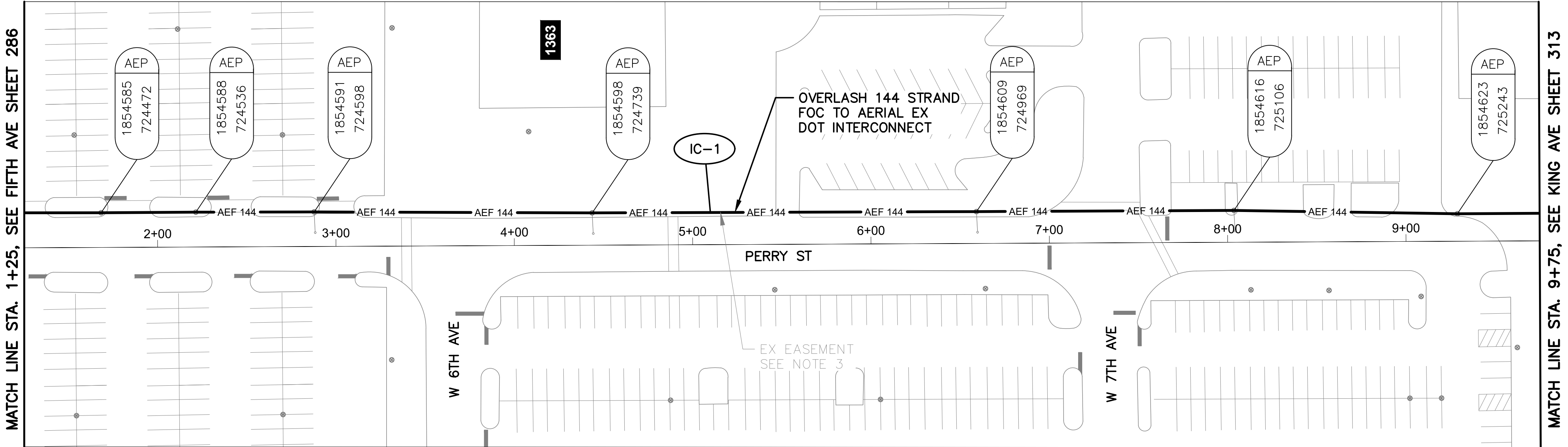
FIFTH AVE BETWEEN STA. 81+00 AND 92+00, INTS 4154 & 4065

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

286  
1000



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk3\_PERRY\_INTERCONNECT.dwg - PERRY-1 layout ~ last saved by: jbeans 10/11/2018 09:12am ~ printed 03/18/2020 08:06pm



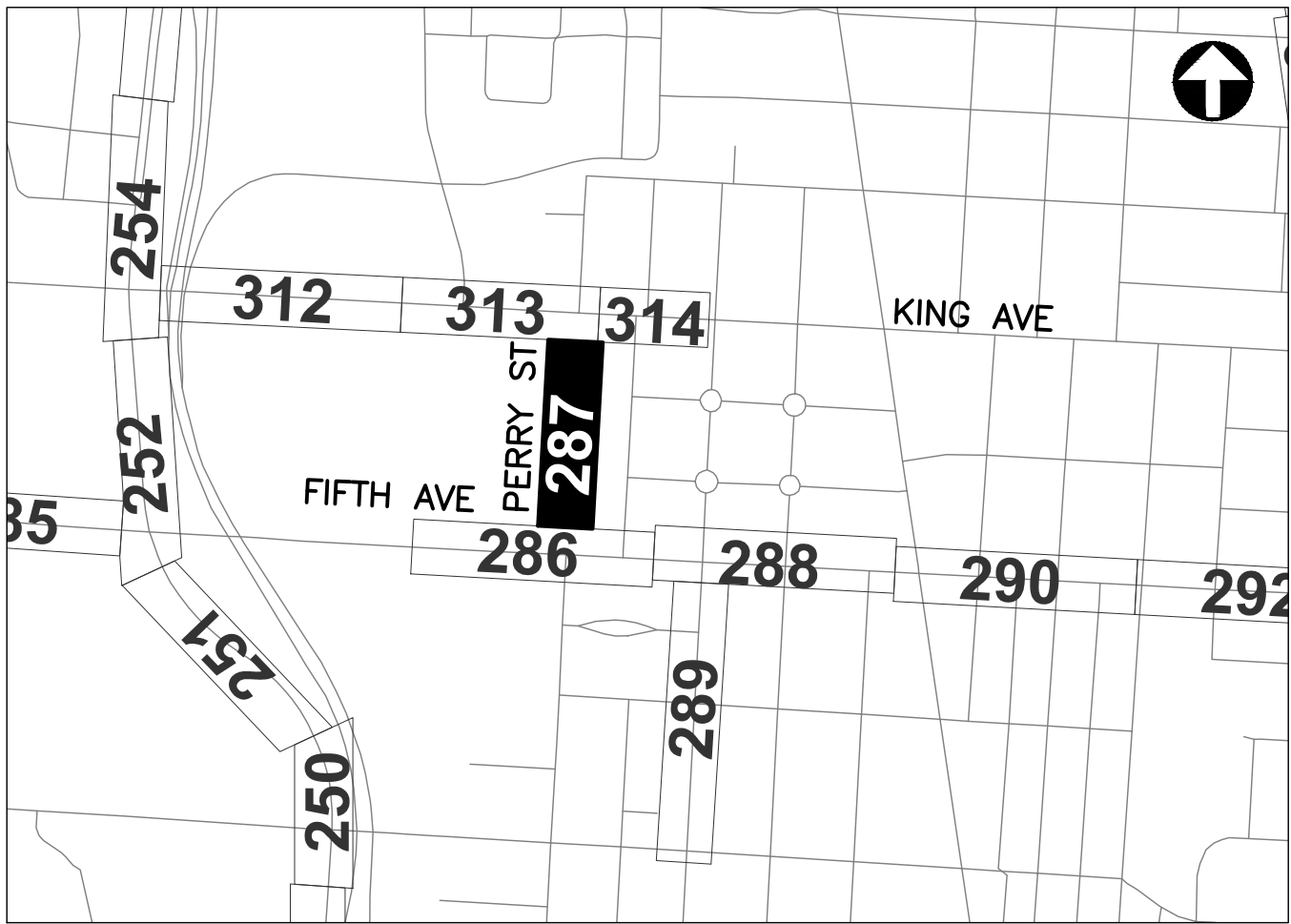
PERRY ST BETWEEN STATION 1+25 AND 9+75

NOTES:

1. SEE SHEET 291 FOR QUANTITIES.
2. SEE SHEET 671 FOR COMMUNICATION DETAILS.
3. EXISTING UTILITY POLE PATH IS LOCATED WITHIN RESERVED EASEMENT RIGHTS UNDER SECTION 2 OF ORDINANCE 2406-81 (PASSED 11-16-1981).

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- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING

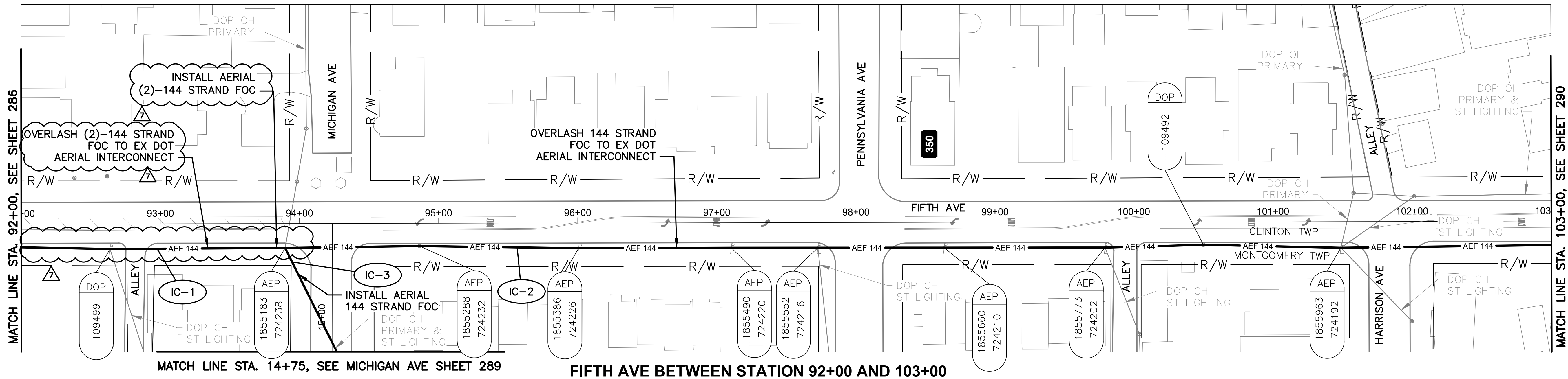


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk3\_FIFTH\_INTERCONNECT.dwg - FIFTH-8 layout ~ last saved by: gburch 11/13/2018 10:51am ~ printed 03/18/2020 08:07pm

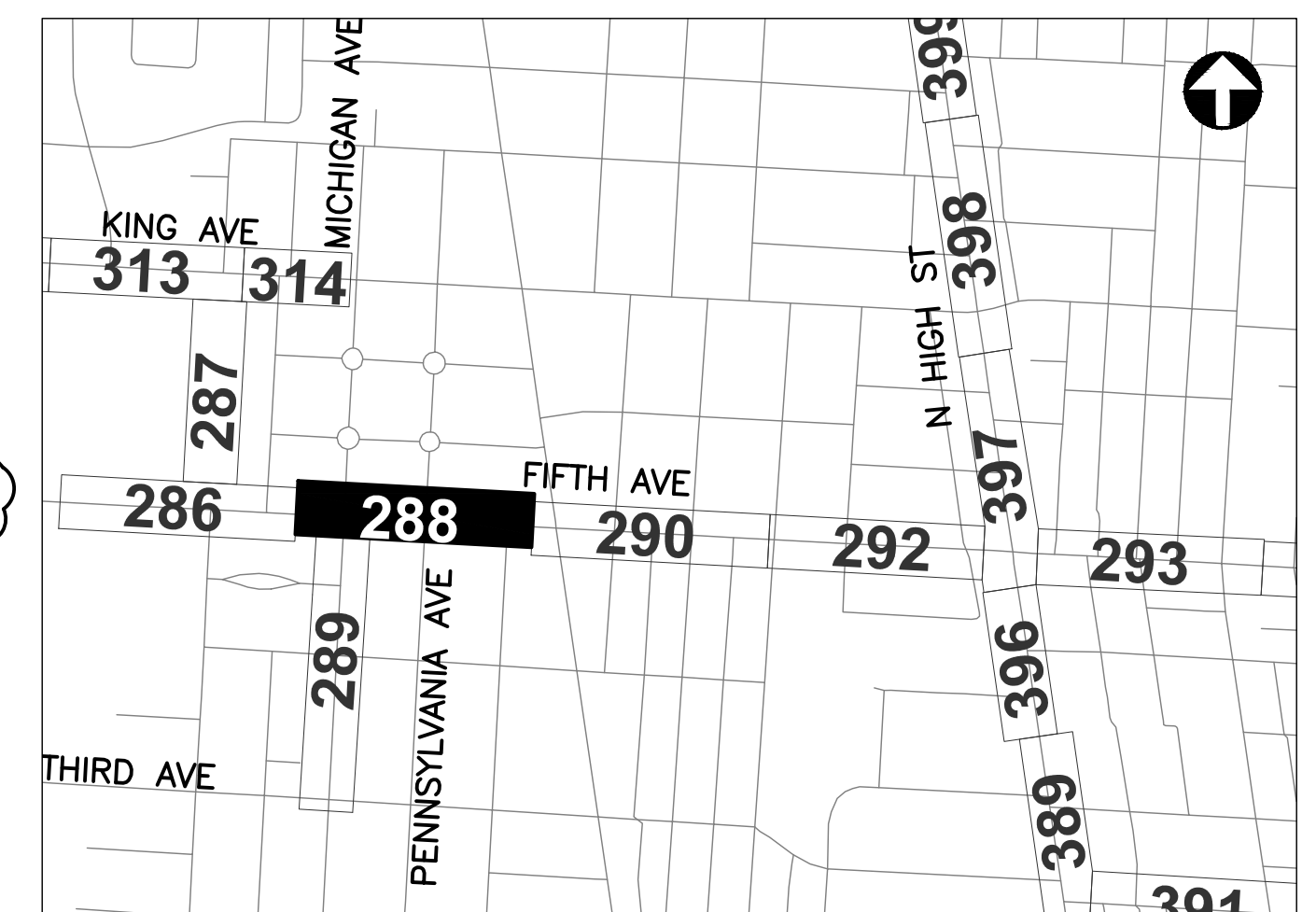


**NOTES:**

1. SEE SHEET 291 FOR QUANTITIES.
2. SEE SHEETS 671 & 814 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND**
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE

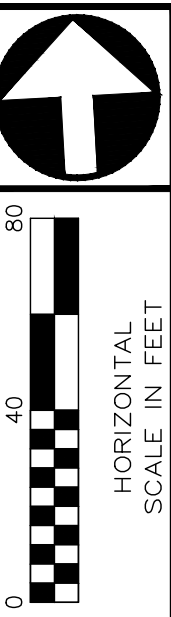
REVISION 7.0  
11-9-2018  
**3150-E**

INTERCONNECT PLAN  
FIFTH AVE BETWEEN STA. 92+00 AND 103+00

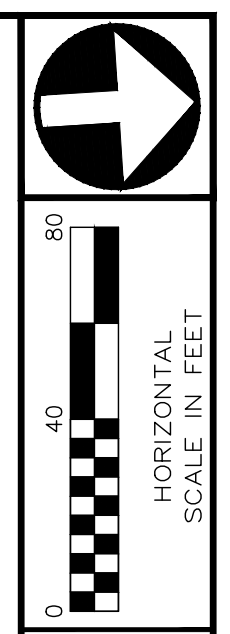
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

**288**  
**1000**

CIP: 540007-100006  
PID NUMBER: 82573





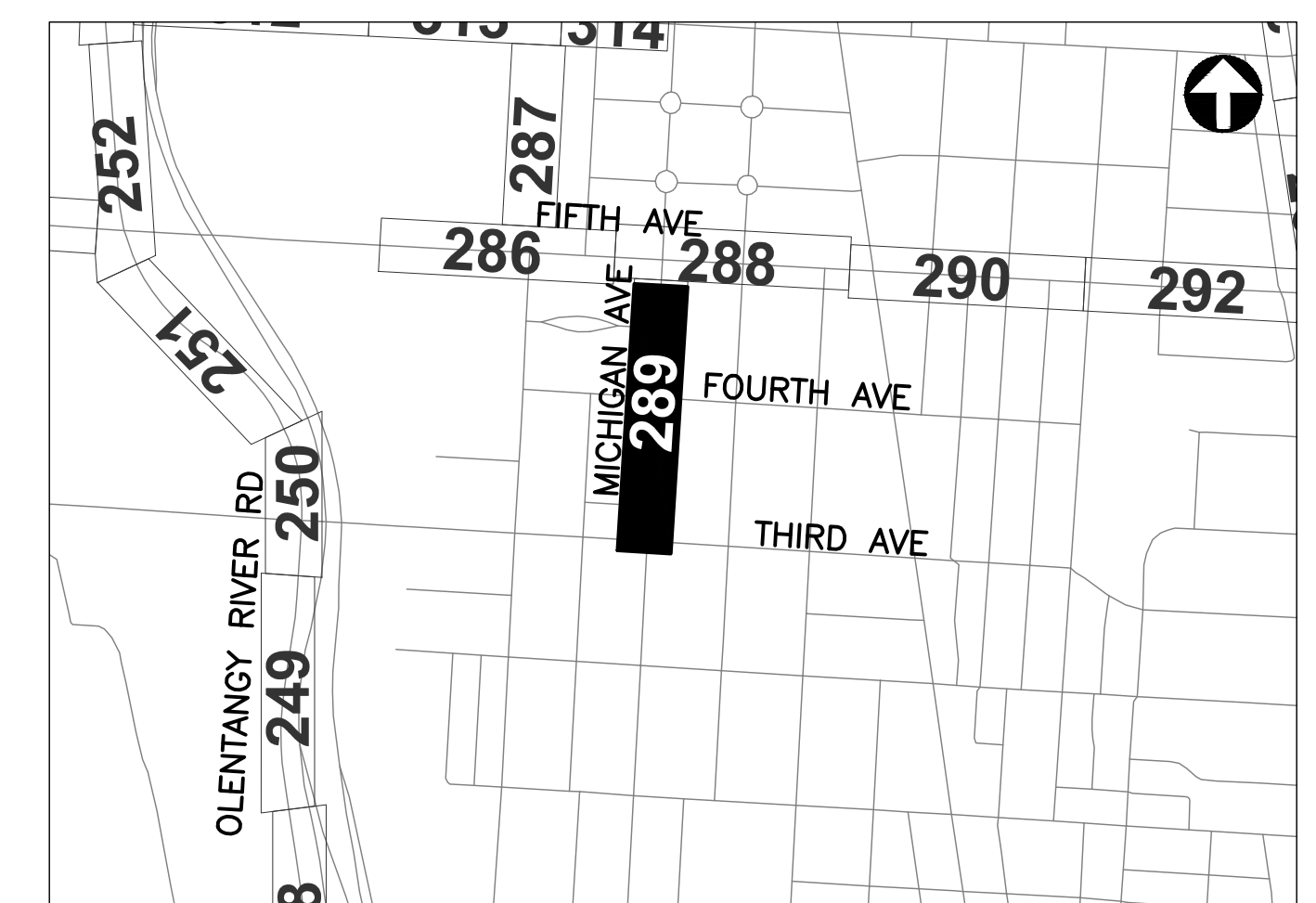


INTERCONNECT PLAN

MICHIGAN AVE BETWEEN STA. 2+00 AND 14+75. INT 4078

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

289  
1000



3150-E



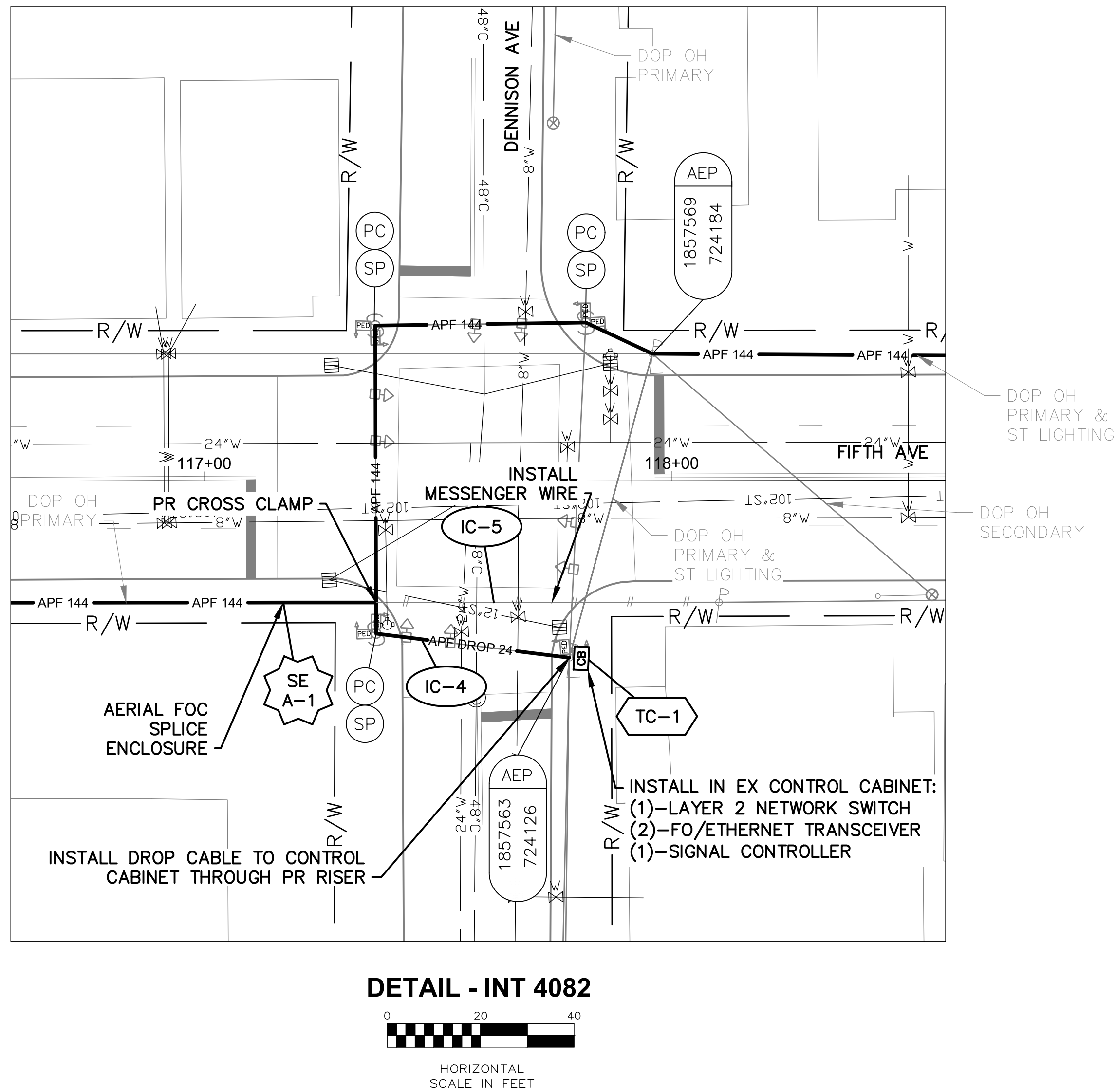




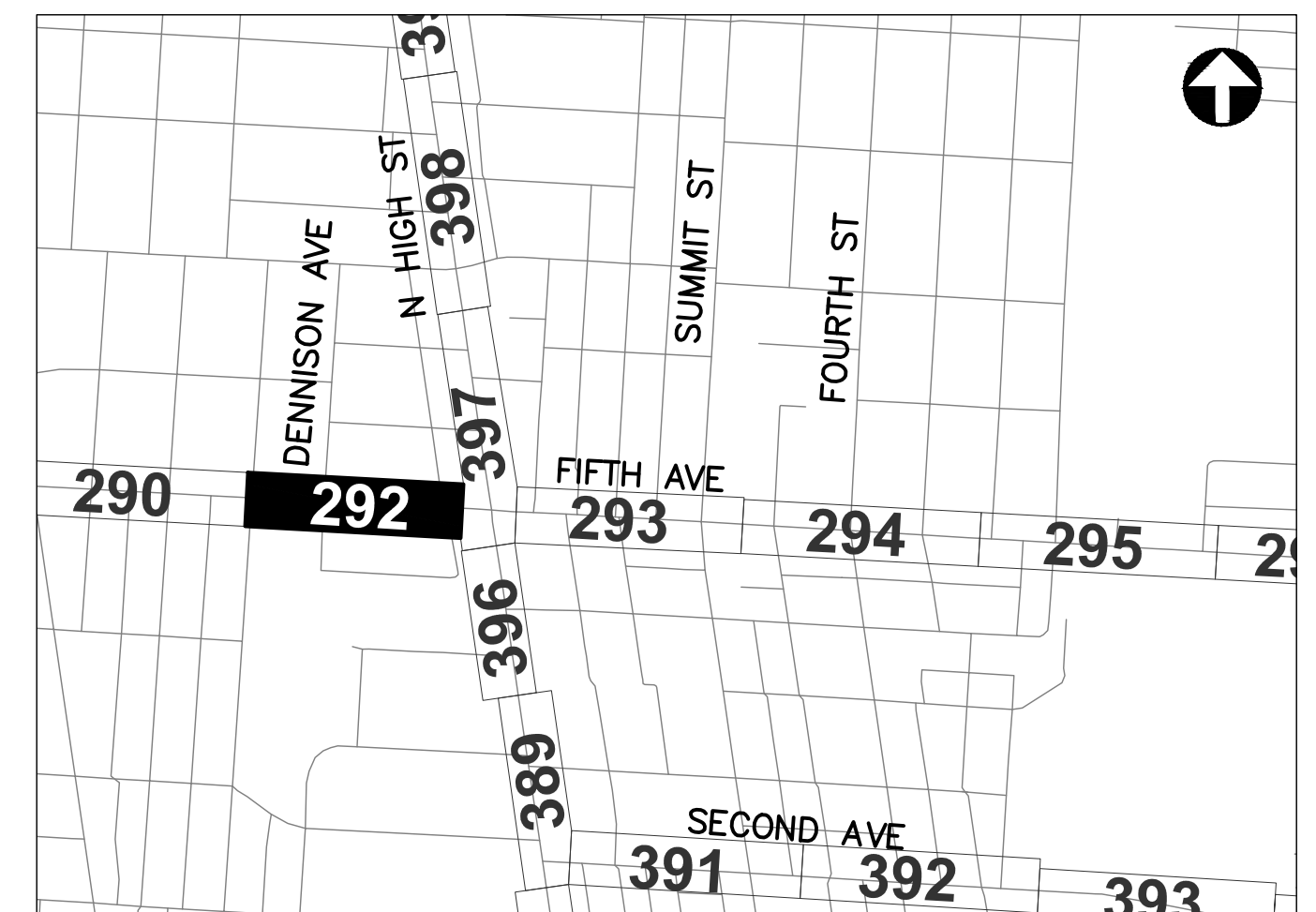




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- CITY OF COLUMBUS  
UTILITY LEGEND
- SEWER
  - WATER
  - POWER
  - LIGHTING

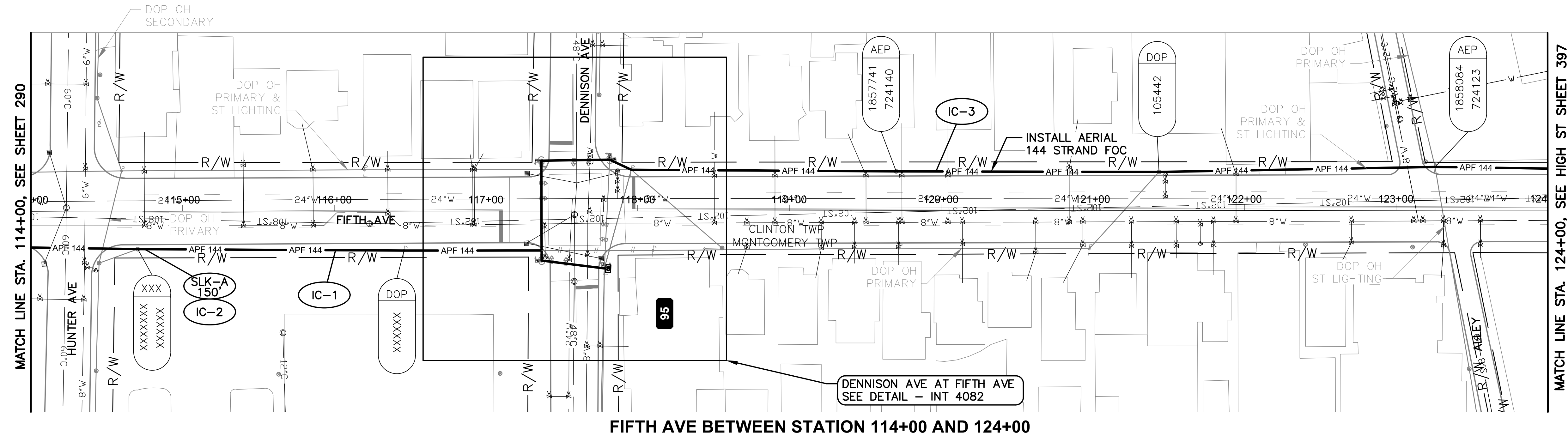


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE

**NOTES:**

- SEE SHEET 298 FOR QUANTITIES.
- SEE SHEETS 674 & 817 FOR COMMUNICATION DETAILS.



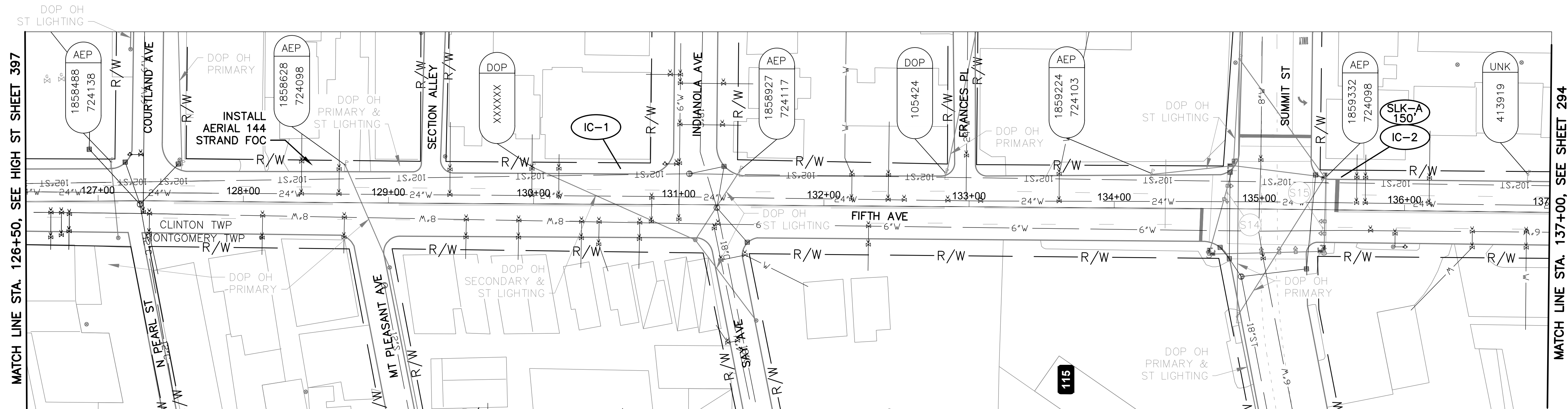
CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
FIFTH AVE BETWEEN STA. 114+00 AND 124+00, INT 4082

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT



J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk4\_FIFTH2.INTERCONNECT.dwg -- FIFTH-11 layout -- last saved by: jbeans 03/18/2020 03:40pm -- printed 03/18/2020 08:13pm

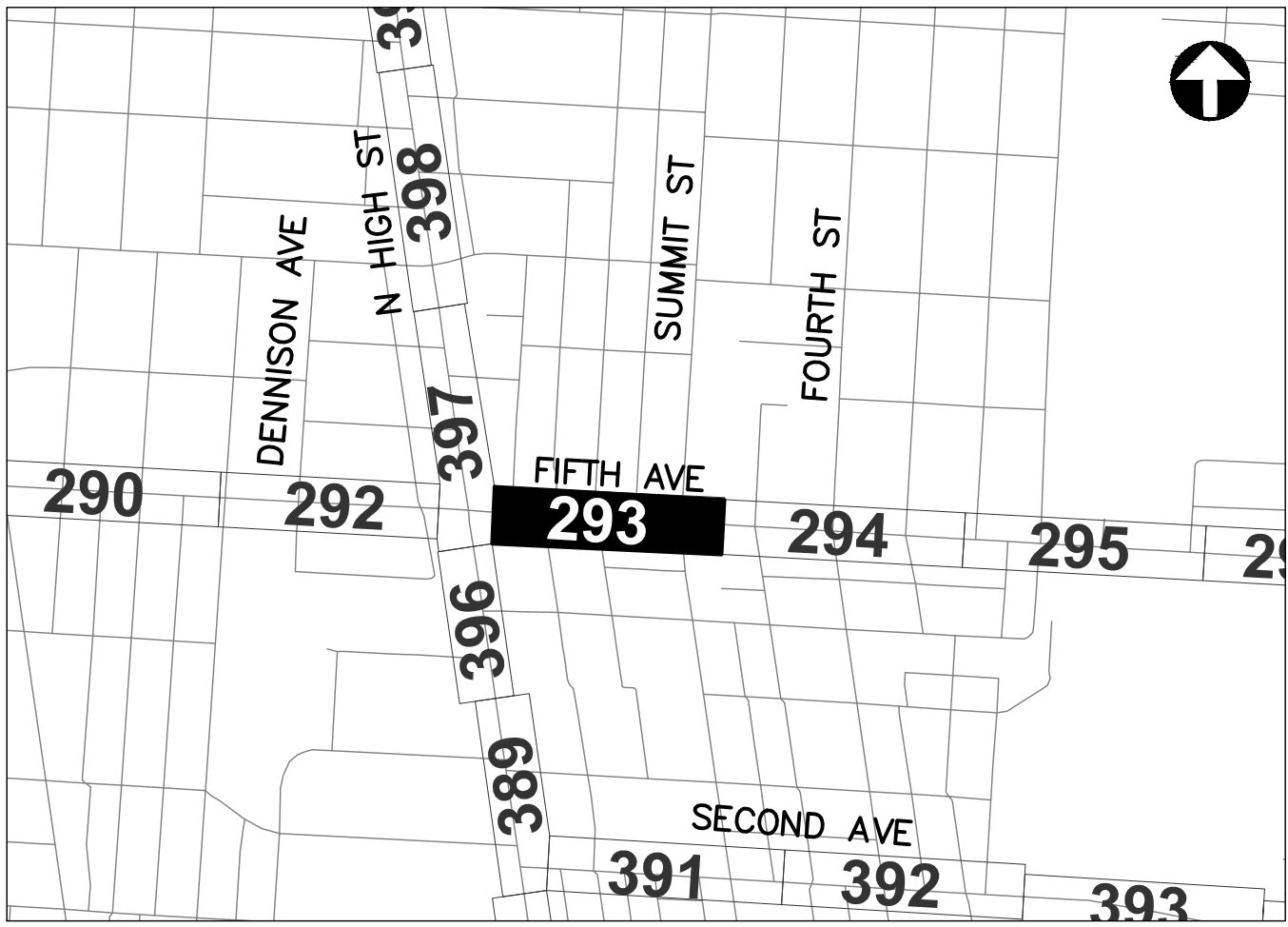


FIFTH AVE BETWEEN STATION 126+50 AND 137+00

- NOTES:
1. SEE SHEET 298 FOR QUANTITIES.
  2. SEE SHEET 674 FOR COMMUNICATION DETAILS.

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- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

0 40 80  
HORIZONTAL  
SCALE IN FEET

CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
FIFTH AVE BETWEEN STA. 126+50 AND 137+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT

293  
1000



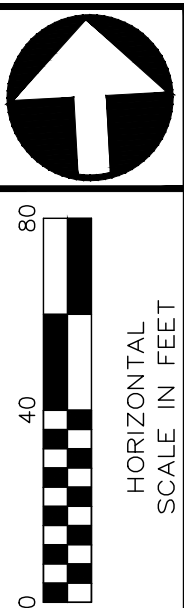


**MATCH LINE STA. 148+00, SEE SHEET 295**

- 
- OHIO  
Utilities Protection  
SERVICE
- Call Before You Dig*
- 800-362-2764 or 8-1-1  
[www.oups.org](http://www.oups.org)

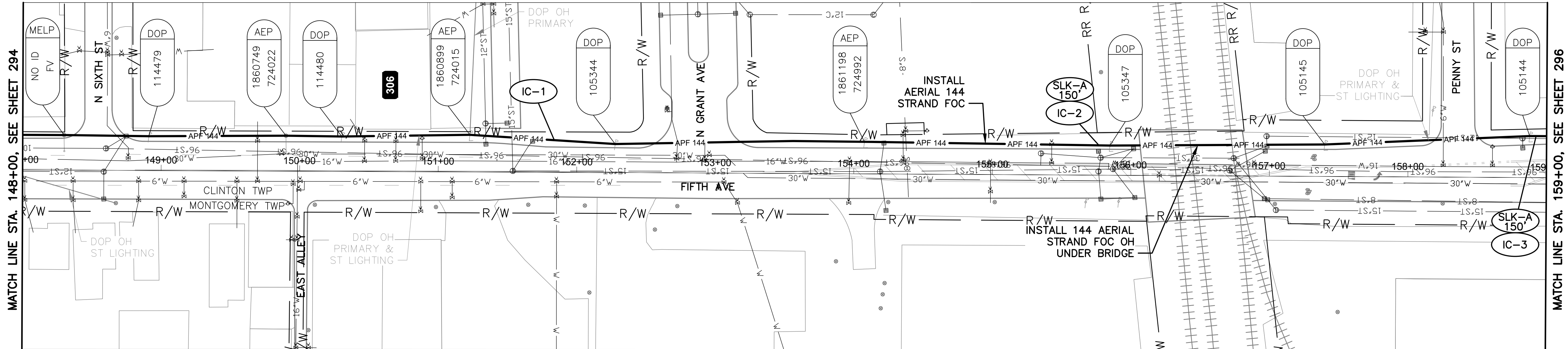
- 
- A map of the area around 294 Fifth Ave, New York City. The map shows a grid of streets including Denison Ave, N High St, Summit St, Fourth St, Fifth Ave, and Second Ave. The address 294 is highlighted in a black box. A north arrow is in the top right corner.

KEY PLAN  
NOT TO SCALE





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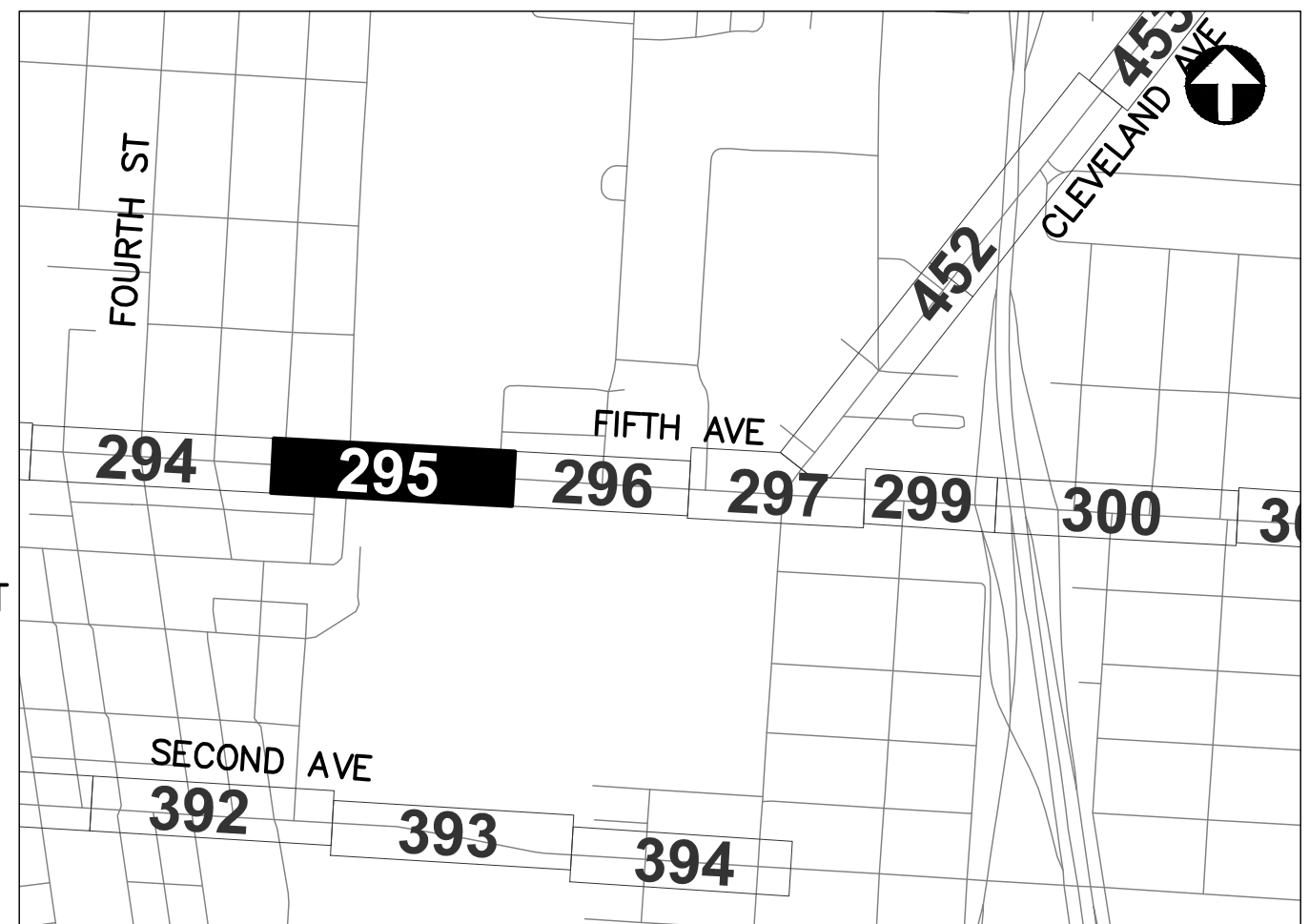
FIFTH AVE BETWEEN STATION 148+00 AND 159+00

NOTES:

1. SEE SHEET 298 FOR QUANTITIES.
2. SEE SHEET 674 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 156+47, 23' LT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
FIFTH AVE BETWEEN STA. 148+00 AND 159+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

295  
1000

3150-E



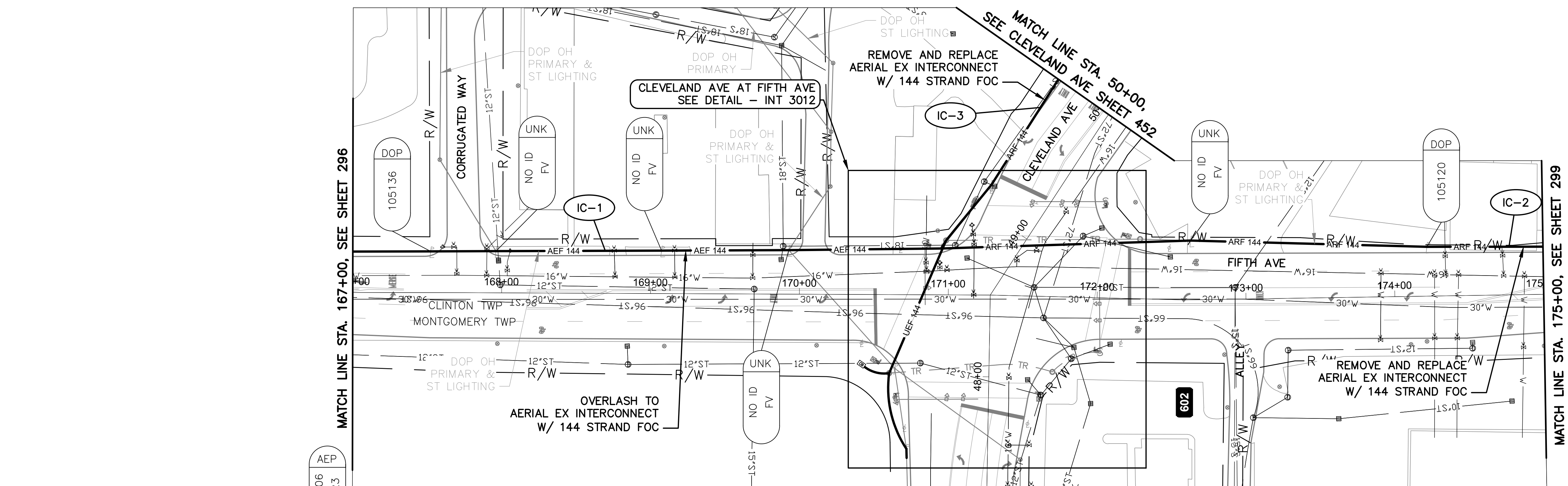


MATCH LINE STA. 167+00, SEE SHEET 297

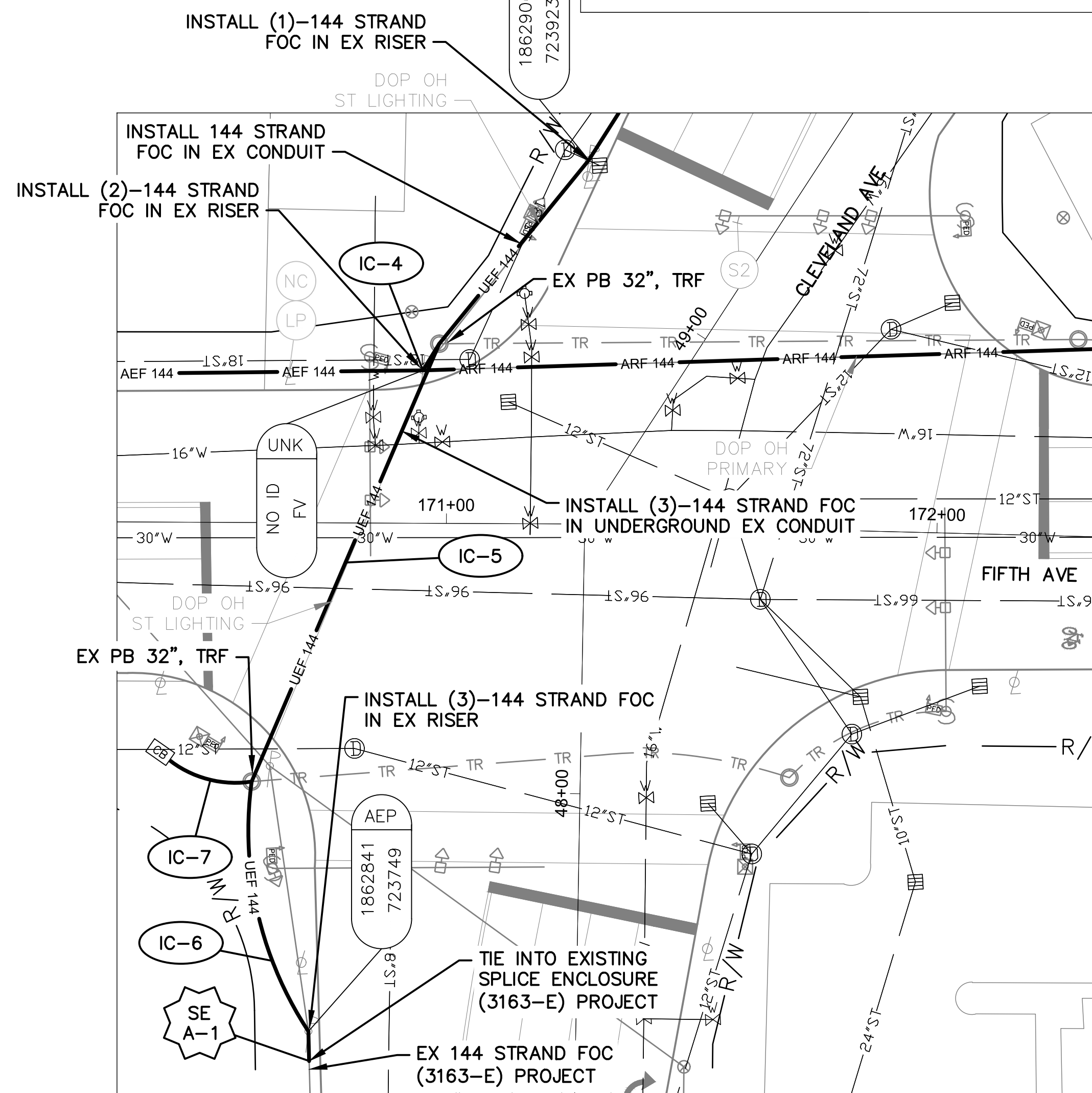
3150-E



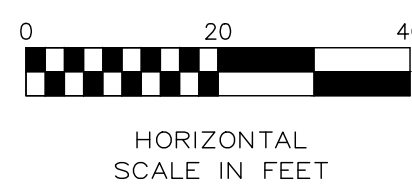
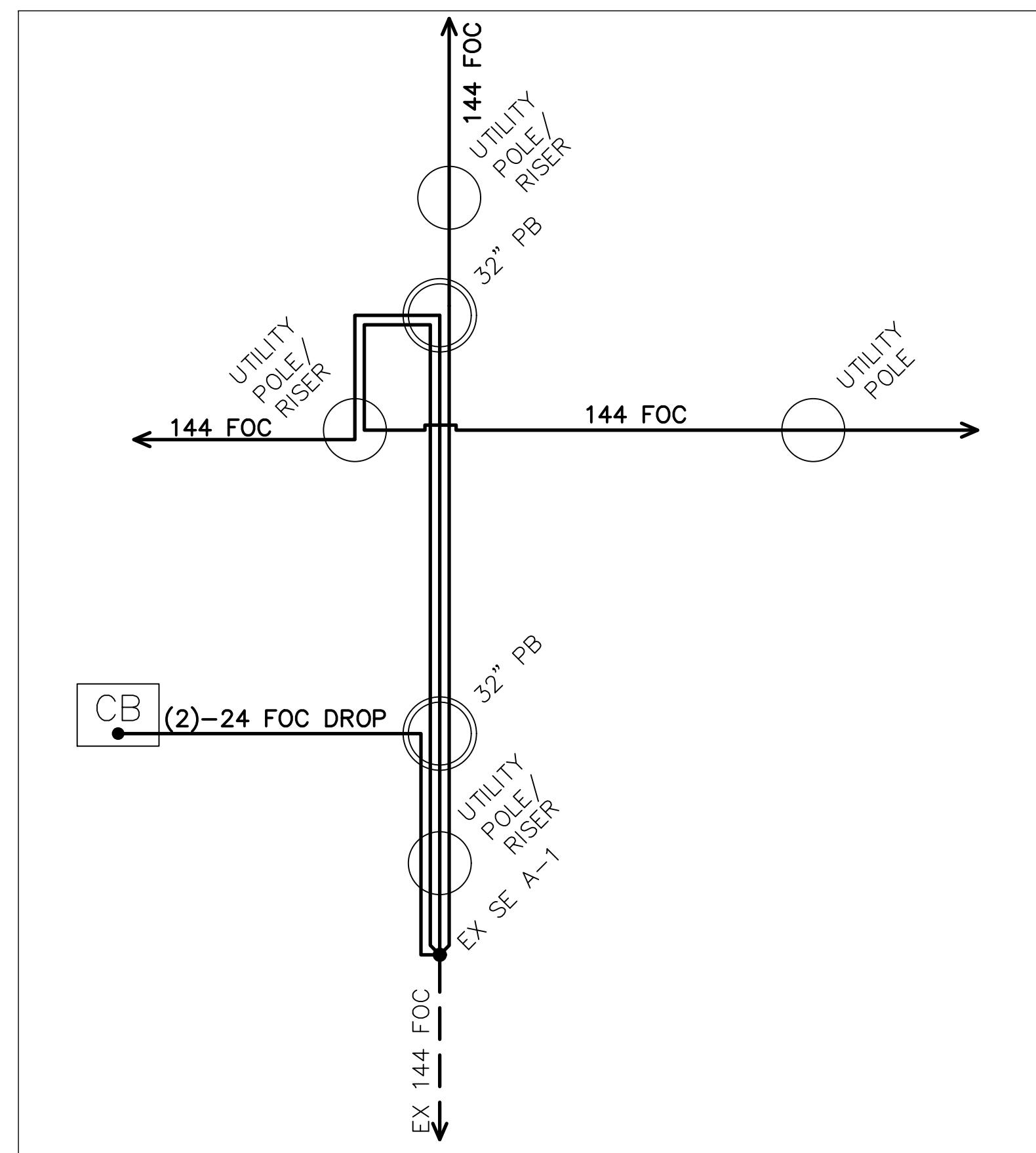
J:\Jobs\60135\TCHP000\Sheets\CTSS\_PHD\_Trunk4\_FTH2.INTERCONNECT.dwg - FTH2.INTERCONNECT.dwg - last saved by: jhans 03/18/2020 03:40pm ~ printed 03/18/2020 08:18pm



FIFTH AVE BETWEEN STATION 167+00 AND 175+00



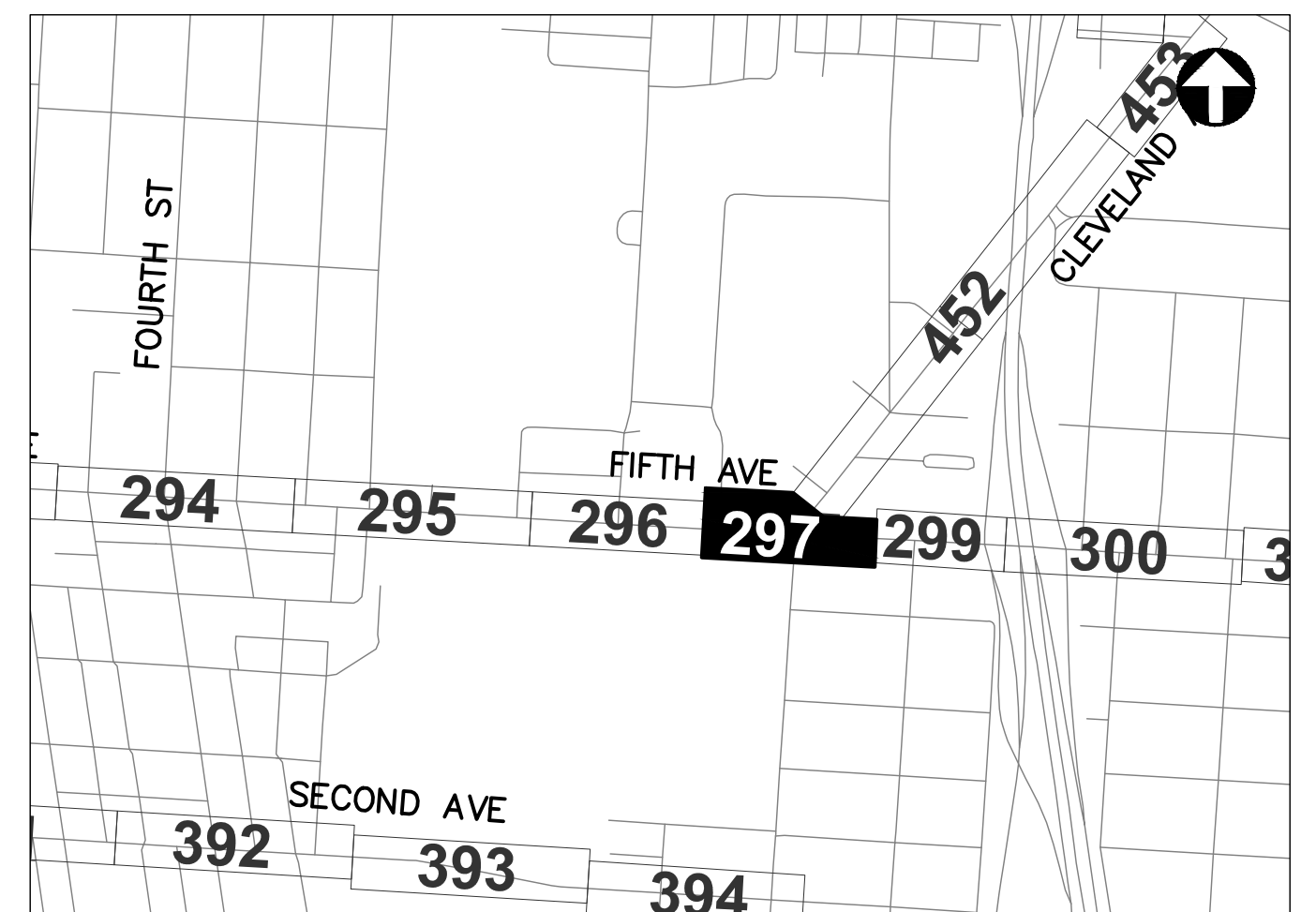
DETAIL - INT 3012



CABLE SCHEMATIC - INT 3012  
NOT TO SCALE



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING

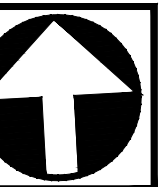


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

NOTES:

1. SEE SHEET 298 FOR QUANTITIES.
2. SEE SHEETS 675 & 819 FOR COMMUNICATION DETAILS.



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
FIFTH AVE BETWEEN STA. 167+00 AND 175+00, INT 3012

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

297  
1000

3150-E



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| ESTIMATED QUANTITIES                                     |               |           |                 |                 |                                                |                                                   |                                                                      |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
|----------------------------------------------------------|---------------|-----------|-----------------|-----------------|------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------|---|---|---|---|---|---|---|
| SHEET NO.                                                | REFERENCE NO. | LOCATION  | STATION         |                 | 202                                            | 632                                               | 632                                                                  | 632                                                                 | 632                                                                      | 632                                                                             | 632                                                                        | 632                                                                                    | 632                                                                                  | 633                                                                                    | 633                                                           | 633                                                                          |   |   |   |   |   |   |   |
|                                                          |               |           | FROM            | TO              | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | CONDUIT RISER, 2",<br>725.04, AS PER PLAN<br>EACH | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICER<br>EACH | INTERCONNECT CABLE,<br>MISC.: OVERLASH TO<br>EXISTING INTERCONNECT<br>FT | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT<br>FT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2A2, AS PER<br>PLAN<br>EACH |   |   |   |   |   |   |   |
| FIFTH AVE. BETWEEN STA. 114+00 AND 124+00, INT 4082      |               |           |                 |                 |                                                |                                                   |                                                                      |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 292                                                      | IC-1          | FIFTH AVE | 114+00, 26' LT  | 117+95, 27' LT  |                                                |                                                   | 402                                                                  |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        | 402                                                                                  |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 292                                                      | IC-2          | FIFTH AVE | 114+63, 27' LT  |                 |                                                |                                                   | 150                                                                  |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 292                                                      | IC-4          | FIFTH AVE | 117+78, 38' RT  | 117+95, 27' LT  |                                                |                                                   |                                                                      |                                                                     |                                                                          |                                                                                 |                                                                            | 1                                                                                      | 88                                                                                   |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 292                                                      | TC-1          | FIFTH AVE | 117+78, 38' RT  |                 |                                                | 1                                                 |                                                                      |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      | 2                                                                                      | 1                                                             | 1                                                                            |   |   |   |   |   |   |   |
| 292                                                      | SE A-1        | FIFTH AVE | 117+95, 27' LT  |                 |                                                |                                                   | 150                                                                  | 24                                                                  |                                                                          |                                                                                 | 1                                                                          |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 292                                                      | IC-3          | FIFTH AVE | 117+95, 27' LT  | 124+00, 27' LT  |                                                |                                                   | 613                                                                  |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        | 613                                                                                  |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| FIFTH AVE. BETWEEN STA. 126+50 AND 137+00                |               |           |                 |                 |                                                |                                                   |                                                                      |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 293                                                      | IC-1          | FIFTH AVE | 126+47, 27' LT  | 137+00, 26' LT  |                                                |                                                   | 1,067                                                                |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        | 1,067                                                                                |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 293                                                      | IC-2          | FIFTH AVE | 135+56, 24' LT  |                 |                                                |                                                   | 150                                                                  |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| FIFTH AVE. BETWEEN STA. 137+00 AND 148+00                |               |           |                 |                 |                                                |                                                   |                                                                      |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 294                                                      | IC-1          | FIFTH AVE | 137+00, 26' LT  | 148+00, 26' LT  |                                                |                                                   | 1,118                                                                |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        | 1,118                                                                                |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 294                                                      | IC-2          | FIFTH AVE | 141+62, 30' LT  |                 |                                                |                                                   | 150                                                                  |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| FIFTH AVE. BETWEEN STA. 148+00 AND 159+00                |               |           |                 |                 |                                                |                                                   |                                                                      |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 295                                                      | IC-1          | FIFTH AVE | 148+00, 25' LT  | 159+00, 26' LT  |                                                |                                                   | 1,117                                                                |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        | 1,117                                                                                |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 295                                                      | IC-2          | FIFTH AVE | 151+77, 21' LT  |                 |                                                |                                                   | 150                                                                  |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 295                                                      | IC-3          | FIFTH AVE | 151+77, 21' LT  |                 |                                                |                                                   |                                                                      |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| FIFTH AVE. BETWEEN STA. 159+00 AND 167+00, INT SPLICE-03 |               |           |                 |                 |                                                |                                                   |                                                                      |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 296                                                      | IC-1          | FIFTH AVE | 159+00, 30' LT  | 167+00, 28' LT  |                                                |                                                   | 463                                                                  |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        | 463                                                                                  |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 296                                                      | SE A-1        | FIFTH AVE | 164+47, 25' LT  |                 |                                                |                                                   | 50                                                                   | 48                                                                  |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 296                                                      | IC-2          | FIFTH AVE | 164+47, 25' LT  | 164+47, 25' LT  |                                                |                                                   | 92                                                                   |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        | 92                                                                                   |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 296                                                      | IC-3          | FIFTH AVE | 164+47, 25' LT  | 167+00, 28' LT  |                                                |                                                   | 257                                                                  |                                                                     | 253                                                                      |                                                                                 |                                                                            |                                                                                        | 257                                                                                  |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| FIFTH AVE. BETWEEN STA. 167+00 AND 175+00, INT 2012      |               |           |                 |                 |                                                |                                                   |                                                                      |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 297                                                      | IC-1          | FIFTH AVE | 167+00, 28' LT  | 170+93, 31' LT  |                                                |                                                   | 399                                                                  |                                                                     |                                                                          | 393                                                                             |                                                                            |                                                                                        | 399                                                                                  |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 297                                                      | IC-4          | FIFTH AVE | 170+47, 47' RT  | 170+72, 104' RT |                                                |                                                   |                                                                      |                                                                     |                                                                          |                                                                                 |                                                                            | 2                                                                                      |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 297                                                      | IC-2          | FIFTH AVE | 170+47, 47' RT  | 170+60, 5' LT   | 25                                             |                                                   |                                                                      |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 297                                                      | SE A-1        | FIFTH AVE | 170+72, 104' RT |                 |                                                |                                                   | 330                                                                  | 252                                                                 |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 297                                                      | IC-5          | FIFTH AVE | 170+72, 104' RT | 170+93, 31' LT  | 157                                            |                                                   | 471                                                                  |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 297                                                      | IC-3          | FIFTH AVE | 170+93, 31' LT  | 170+93, 31' LT  |                                                |                                                   | 236                                                                  |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        | 236                                                                                  |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 297                                                      | IC-4          | FIFTH AVE | 170+93, 31' LT  |                 |                                                |                                                   | 105                                                                  |                                                                     |                                                                          |                                                                                 |                                                                            |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| 297                                                      | IC-2          | FIFTH AVE | 170+93, 31' LT  | 175+00, 33' LT  |                                                |                                                   | 413                                                                  |                                                                     | 407                                                                      |                                                                                 |                                                                            |                                                                                        | 413                                                                                  |                                                                                        |                                                               |                                                                              |   |   |   |   |   |   |   |
| SHEET TOTAL                                              |               |           |                 |                 | 182                                            | 1                                                 | 8,147                                                                | 324                                                                 | 253                                                                      | 1,046                                                                           | 1                                                                          | 3                                                                                      | 6,279                                                                                | 2                                                                                      | 1                                                             | 1                                                                            | - | - | - | - | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

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(CTSS) PHASE D - CONSTRUCTION AS-BUILT

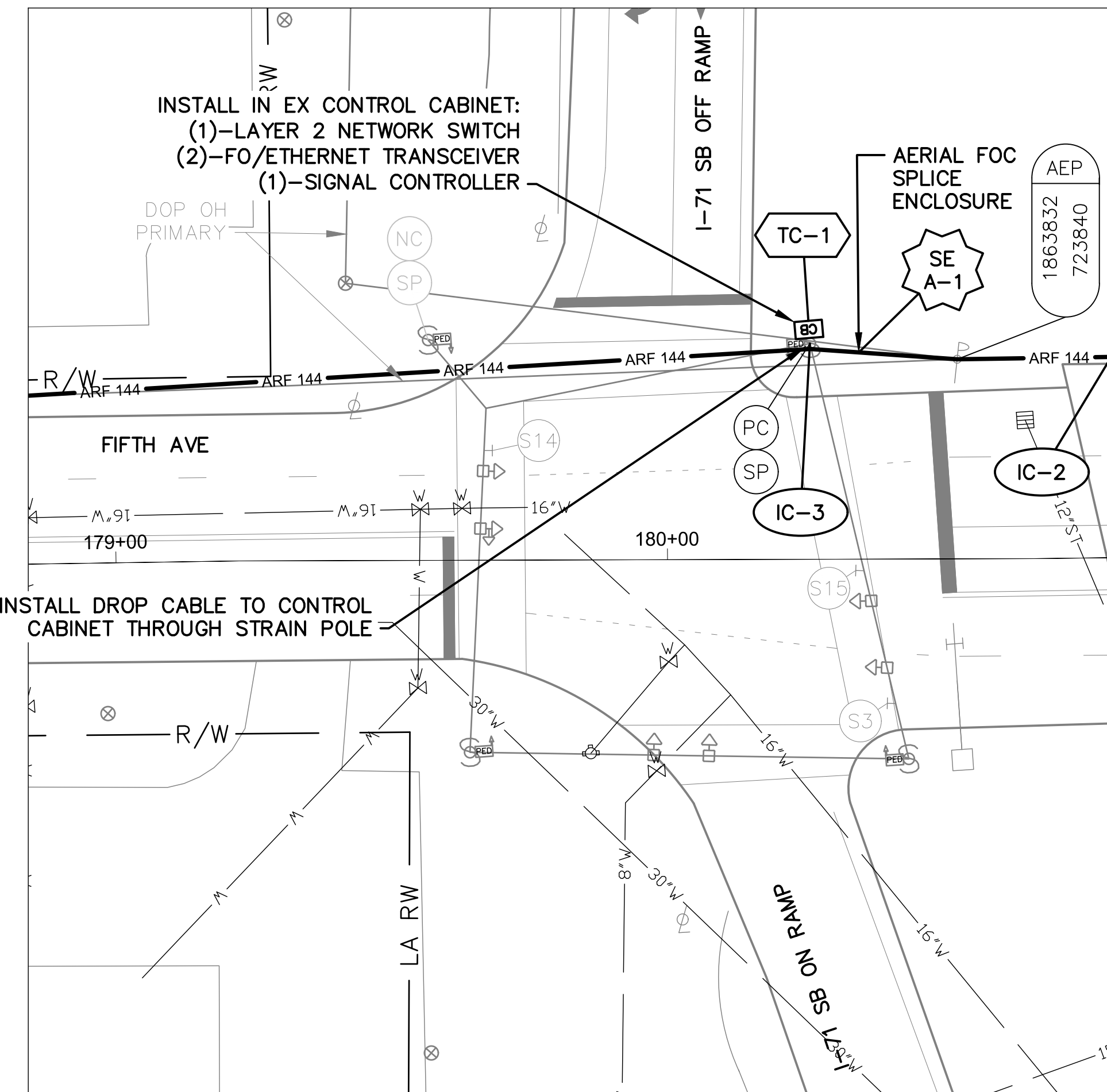
298

1000

FIFTH AVE BTW STA. 114+00 & 175+00  
INTS 4082, 3032, 3012

CIP: 540007-100006  
PID NUMBER: 82573





HORIZONTAL  
SCALE IN FEET

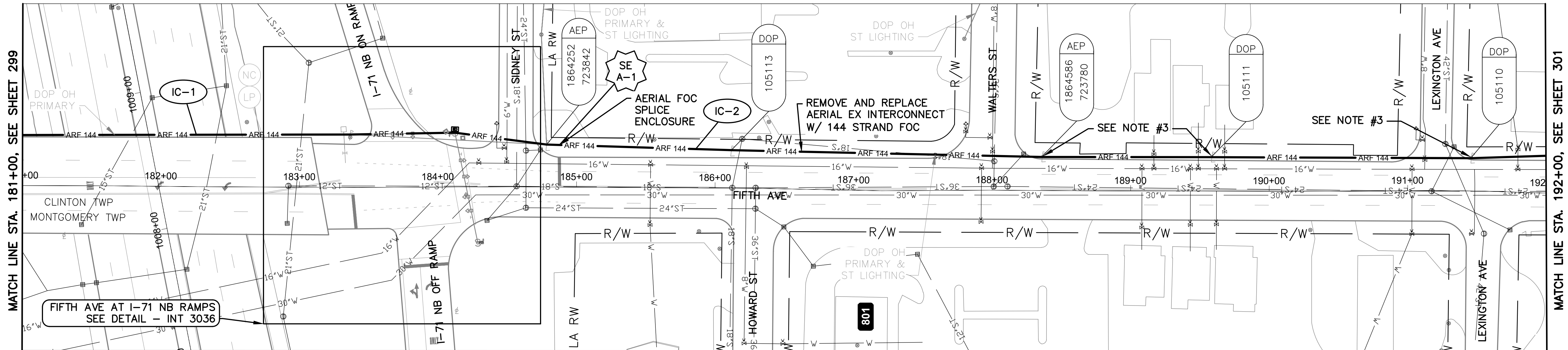


FIFTH AVE AT I-71 SB RAMPS  
SEE DETAIL - INT. 30.35

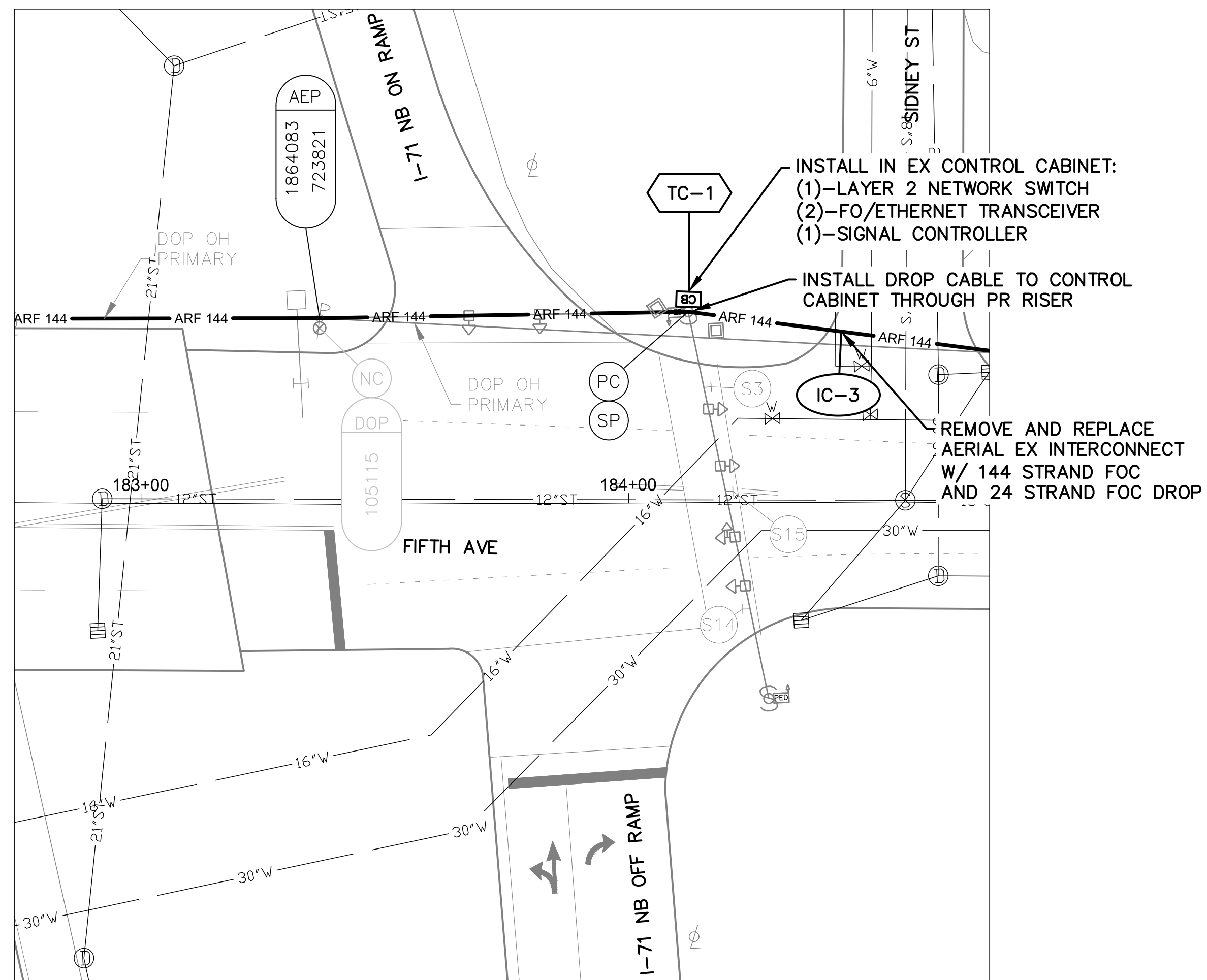
- 3150-E



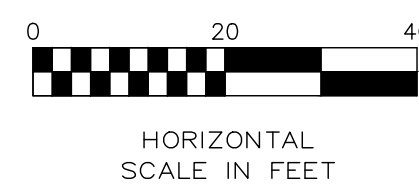
J:\Jobs\60135\TCHP000\Sheets\CTSS\_PHD\_Trunk4\_FIFTH2.INTERCONNECT.dwg -- FIFTH-16 layout -- last saved by jasons 03/18/2020 03:45pm -- printed 03/18/2020 08:23pm



FIFTH AVE BETWEEN STATION 181+00 AND 192+00



DETAIL - INT 3036

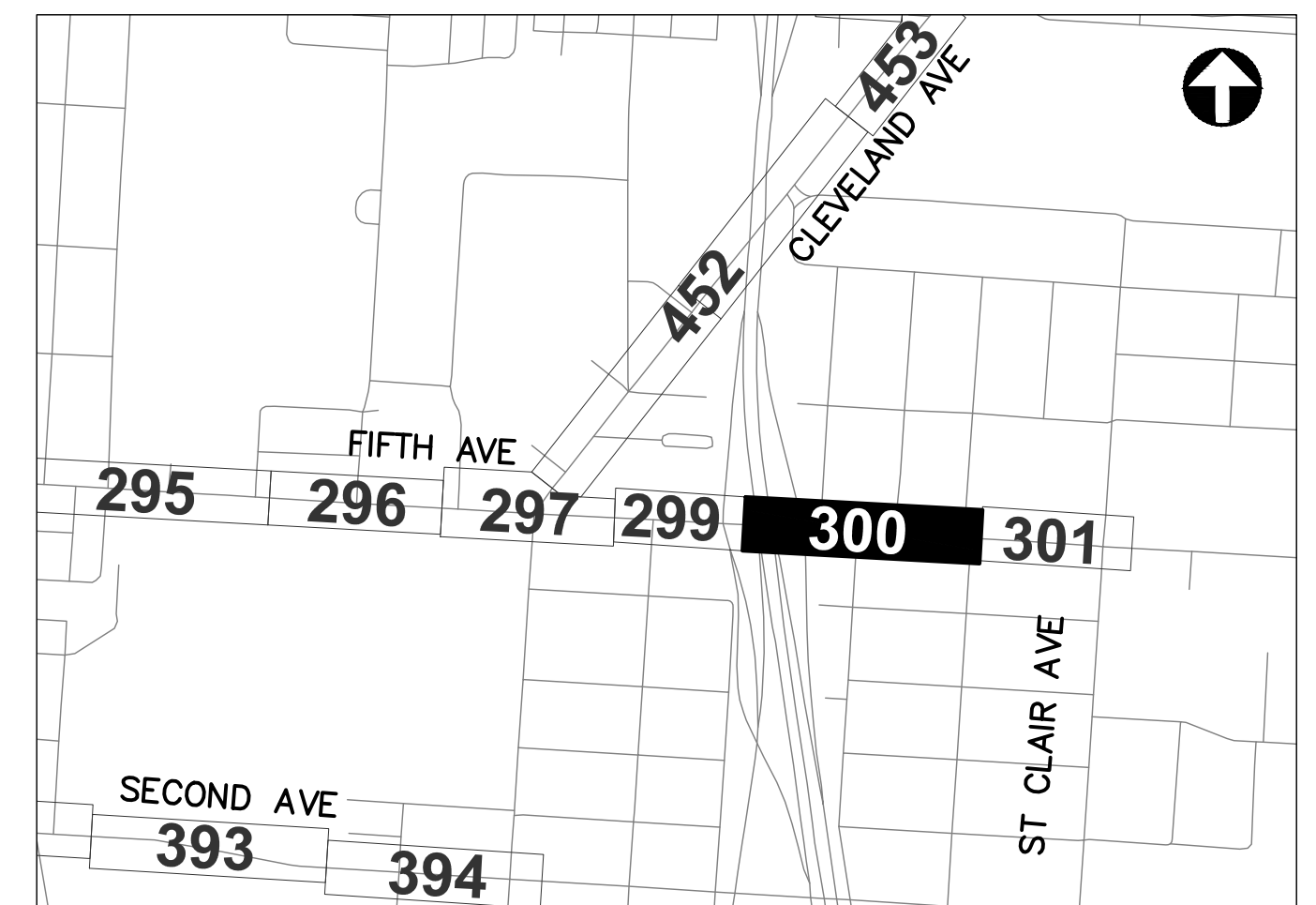


NOTES:

1. SEE SHEET 302 FOR QUANTITIES.
2. SEE SHEETS 675 & 822 FOR COMMUNICATION DETAILS.
3. CONTRACTOR TO LOWER EXISTING SIGNAL INTERCONNECT ATTACHMENT HEIGHT TO MEET VERTICAL CLEARANCE REQUIREMENTS WITH POWER.
4. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

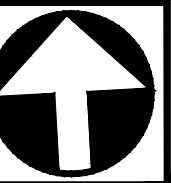


| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |

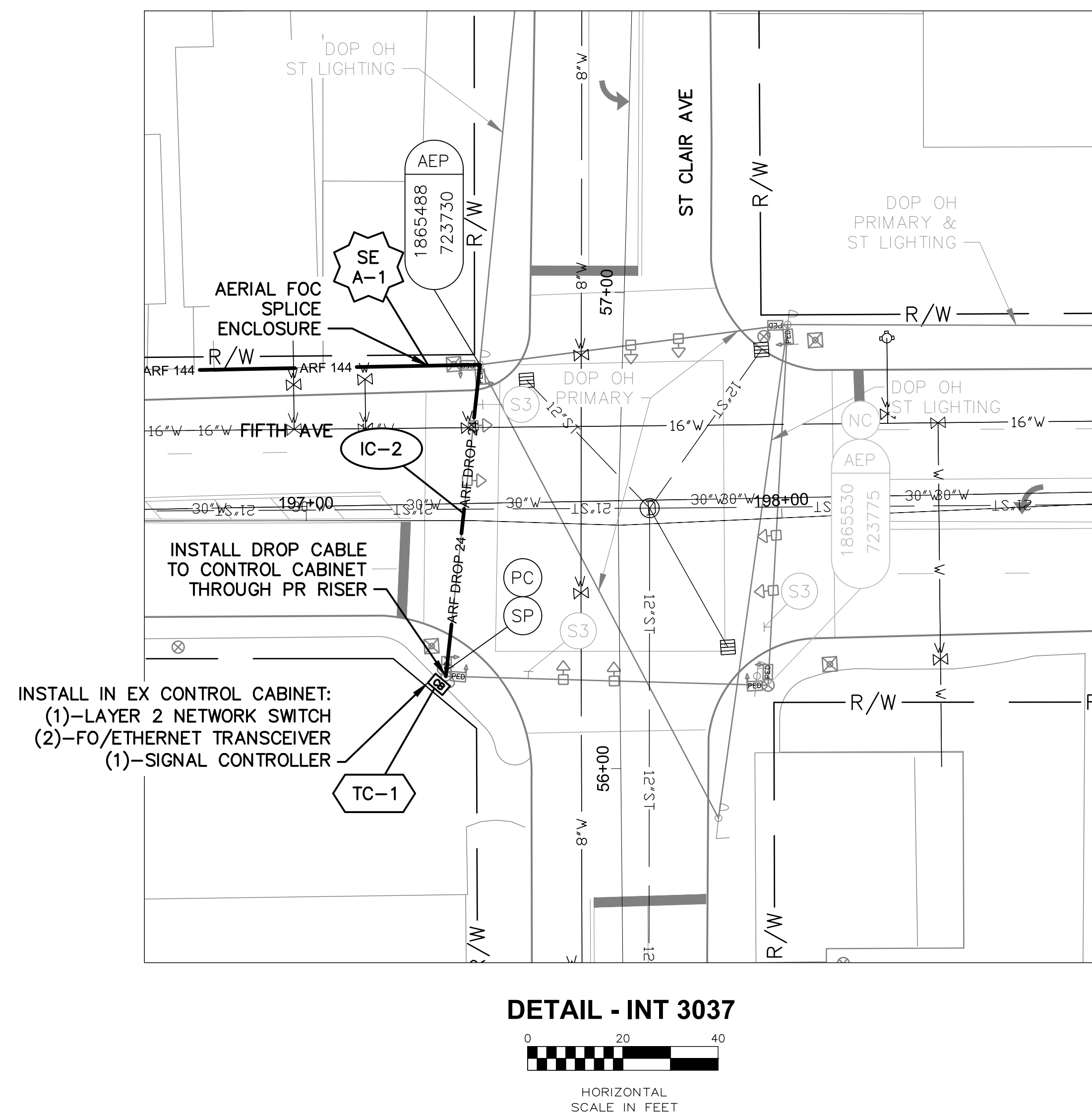
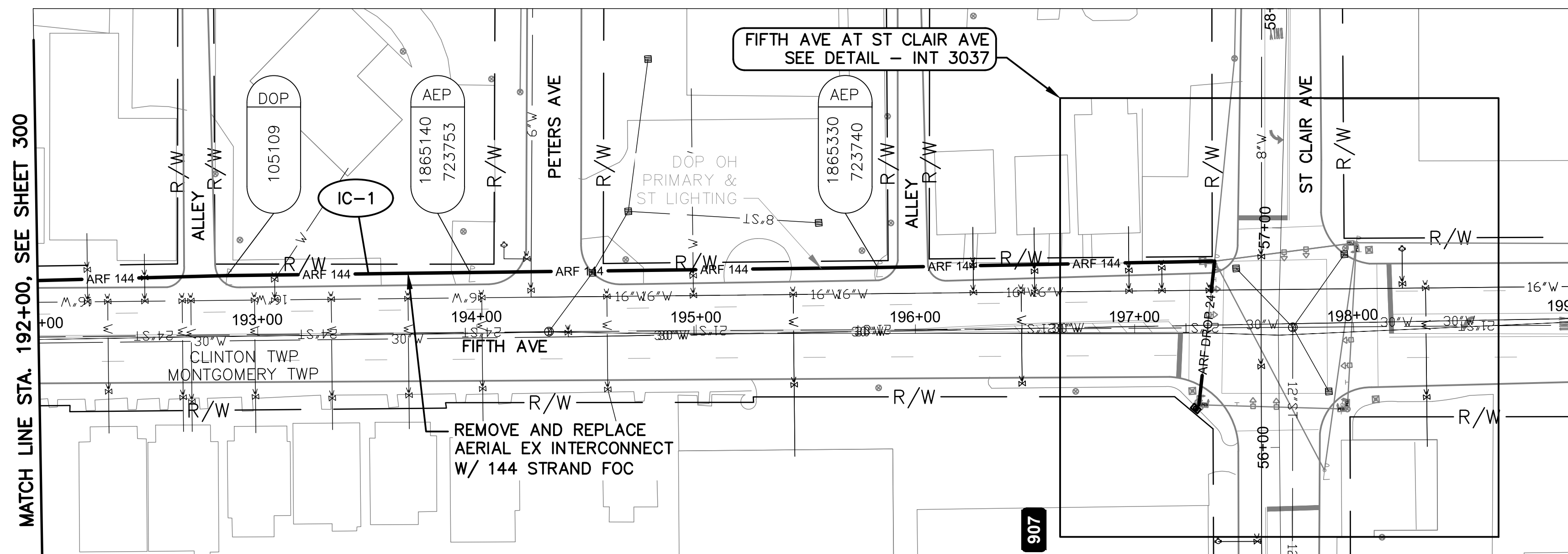


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE







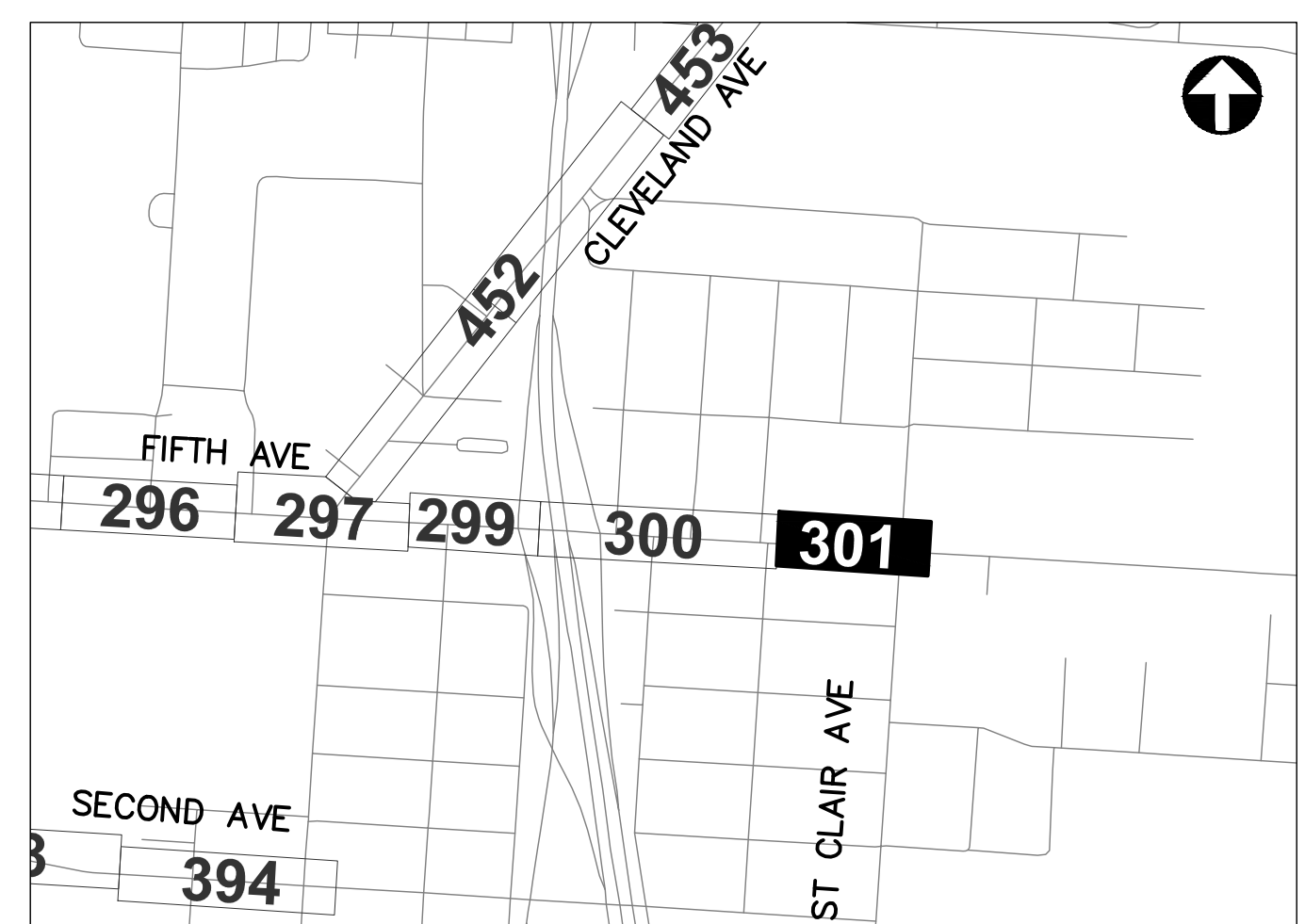
**FIFTH AVE BETWEEN STATION 192+00 AND 199+00**

NOTES:

1. SEE SHEET 302 FOR QUANTITIES.
2. SEE SHEETS 675 & 823 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL.  
INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR  
PROPOSED DROP CABLE.

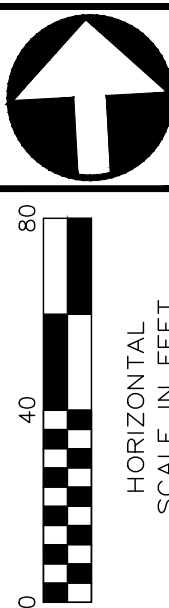


| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE





J:\Jobs\60135\TCIPROD\Sheets\CTSS\PHD\_Trunk3\_FIFTH\_IG\_QUANTITIES.dwg - FIFTH-04 layout ~ last saved by: gburch 07/29/2016 03:18pm ~ printed 03/19/2020 08:25pm

| ESTIMATED QUANTITIES                                |               |           |                |                |                                        |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
|-----------------------------------------------------|---------------|-----------|----------------|----------------|----------------------------------------|----------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------|---|---|---|---|---|---|---|---|--|
| SHEET NO.                                           | REFERENCE NO. | LOCATION  | STATION        |                | 632                                    | 632                                                      | 632                                                  | 632                                                              | 632                                                          | 632                                                                   | 632                                                                   | 632                                                                   | 633                                                                   | 633                                             | 633                                                          |   |   |   |   |   |   |   |   |  |
|                                                     |               |           | FROM           | TO             | CONDUIT RISER, 2", 725.04, AS PER PLAN | INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND | INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE | INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT | INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE | INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE | MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN | CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE | CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH | CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN |   |   |   |   |   |   |   |   |  |
| FIFTH AVE. BETWEEN STA. 175+00 AND 181+00, INT 3035 |               |           |                |                |                                        |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| 299                                                 | IC-1          | FIFTH AVE | 175+00, 33' LT | 180+25, 39' LT |                                        | 535                                                      |                                                      | 527                                                              |                                                              |                                                                       |                                                                       | 535                                                                   |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| 299                                                 | SE A-1        | FIFTH AVE | 180+25, 39' LT |                |                                        | 150                                                      | 24                                                   |                                                                  | 1                                                            |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| 299                                                 | IC-3          | FIFTH AVE | 180+25, 39' LT | 180+25, 39' LT |                                        |                                                          |                                                      |                                                                  |                                                              | 1                                                                     |                                                                       |                                                                       |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| 299                                                 | TC-1          | FIFTH AVE | 180+25, 39' LT |                |                                        |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       | 2                                                                     | 1                                               | 1                                                            |   |   |   |   |   |   |   |   |  |
| 299                                                 | IC-2          | FIFTH AVE | 180+25, 39' LT | 181+00, 36' LT |                                        | 75                                                       |                                                      | 74                                                               |                                                              |                                                                       |                                                                       | 75                                                                    |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| FIFTH AVE. BETWEEN STA. 181+00 AND 192+00, INT 3036 |               |           |                |                |                                        |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| 300                                                 | IC-1          | FIFTH AVE | 181+00, 36' LT | 184+78, 31' LT |                                        | 385                                                      |                                                      | 379                                                              |                                                              |                                                                       |                                                                       | 385                                                                   |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| 300                                                 | TC-1          | FIFTH AVE | 184+78, 31' LT |                | 1                                      |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       | 1                                                                     |                                                 | 1                                                            |   |   |   |   |   |   |   |   |  |
| 300                                                 | IC-3          | FIFTH AVE | 184+78, 31' LT | 184+78, 31' LT |                                        |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| 300                                                 | SE A-1        | FIFTH AVE | 184+78, 31' LT |                |                                        |                                                          |                                                      |                                                                  | 1                                                            |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| 300                                                 | IC-2          | FIFTH AVE | 184+78, 31' LT | 192+00, 28' LT |                                        | 733                                                      |                                                      | 722                                                              |                                                              |                                                                       |                                                                       | 733                                                                   |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| FIFTH AVE. BETWEEN STA. 192+00 AND 199+00, INT 3037 |               |           |                |                |                                        |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| 301                                                 | IC-1          | FIFTH AVE | 192+00, 28' LT | 197+29, 33' LT |                                        | 612                                                      |                                                      | 60                                                               |                                                              |                                                                       |                                                                       | 12                                                                    |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| 301                                                 | SE A-1        | FIFTH AVE | 197+29, 33' LT |                |                                        | 75                                                       |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| 301                                                 | IC-2          | FIFTH AVE | 197+35, 33' LT | 197+29, 33' RT |                                        |                                                          |                                                      |                                                                  |                                                              | 1                                                                     |                                                                       |                                                                       |                                                                       |                                                 |                                                              |   |   |   |   |   |   |   |   |  |
| 301                                                 | TC-1          | FIFTH AVE | 197+29, 33' RT |                | 1                                      |                                                          |                                                      |                                                                  |                                                              |                                                                       |                                                                       |                                                                       | 2                                                                     | 1                                               | 1                                                            |   |   |   |   |   |   |   |   |  |
| SHEET TOTAL                                         |               |           |                |                | 2                                      | 2,715                                                    | 78                                                   | 2,305                                                            | 3                                                            | 2                                                                     | 1                                                                     | 2,340                                                                 | 6                                                                     | 3                                               | 3                                                            | - | - | - | - | - | - | - | - |  |

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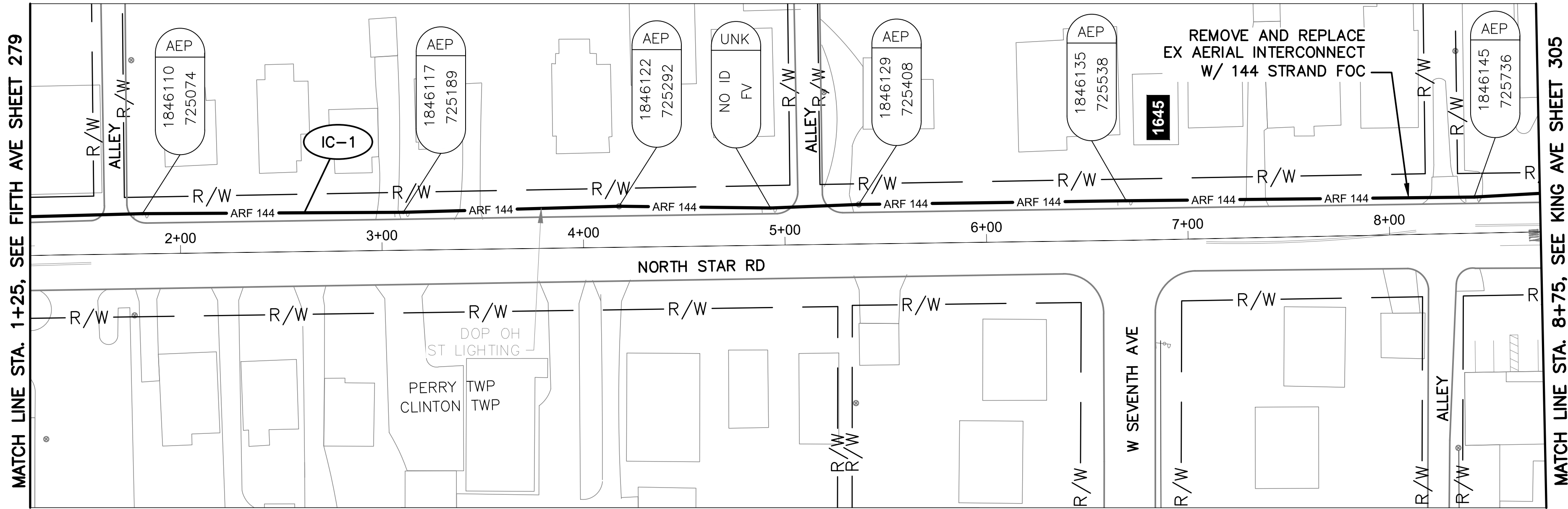
FIFTH AVE BTW 175+00 & 235+00  
INTS 3035, 3036, 3037

CIP: 540007-10006  
PID NUMBER: 82573

302  
1000



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NORTH STAR RD BETWEEN STATION 1+25 AND 8+75

- NOTES:**
- 1. SEE SHEET 311 FOR QUANTITIES.
  - 2. SEE SHEETS 671 & 674 FOR COMMUNICATION DETAILS.

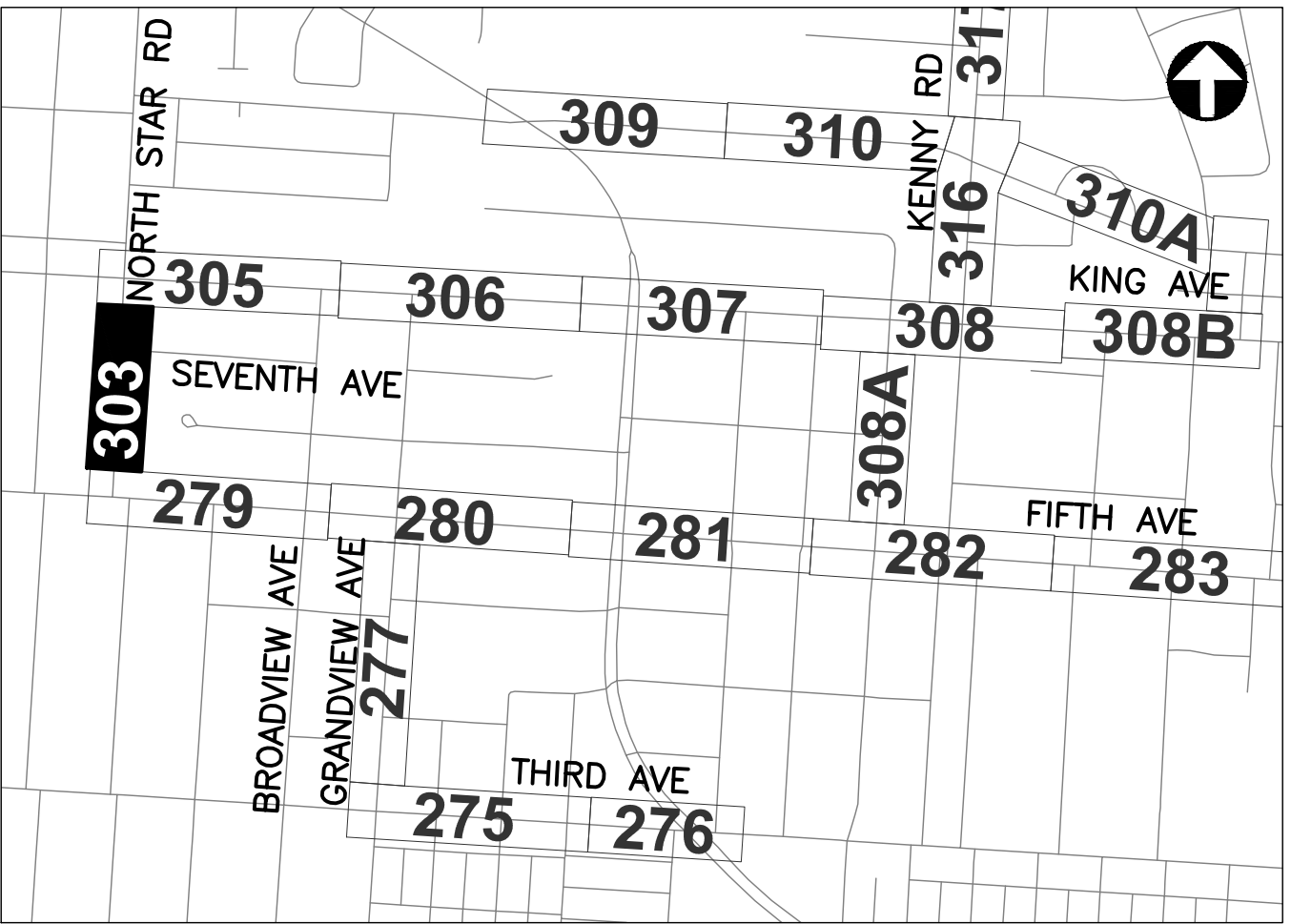
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REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



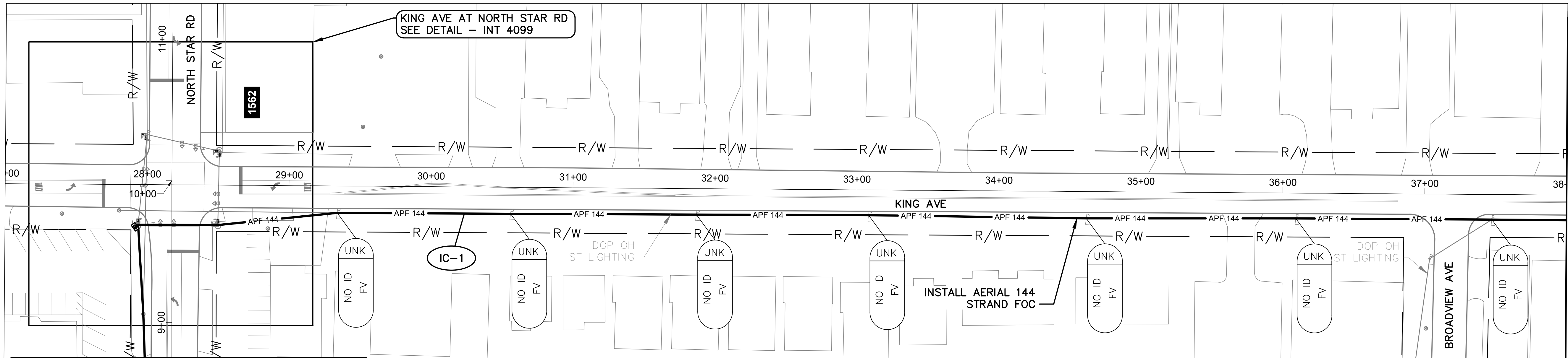


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SHEET INTENTIONALLY LEFT BLANK

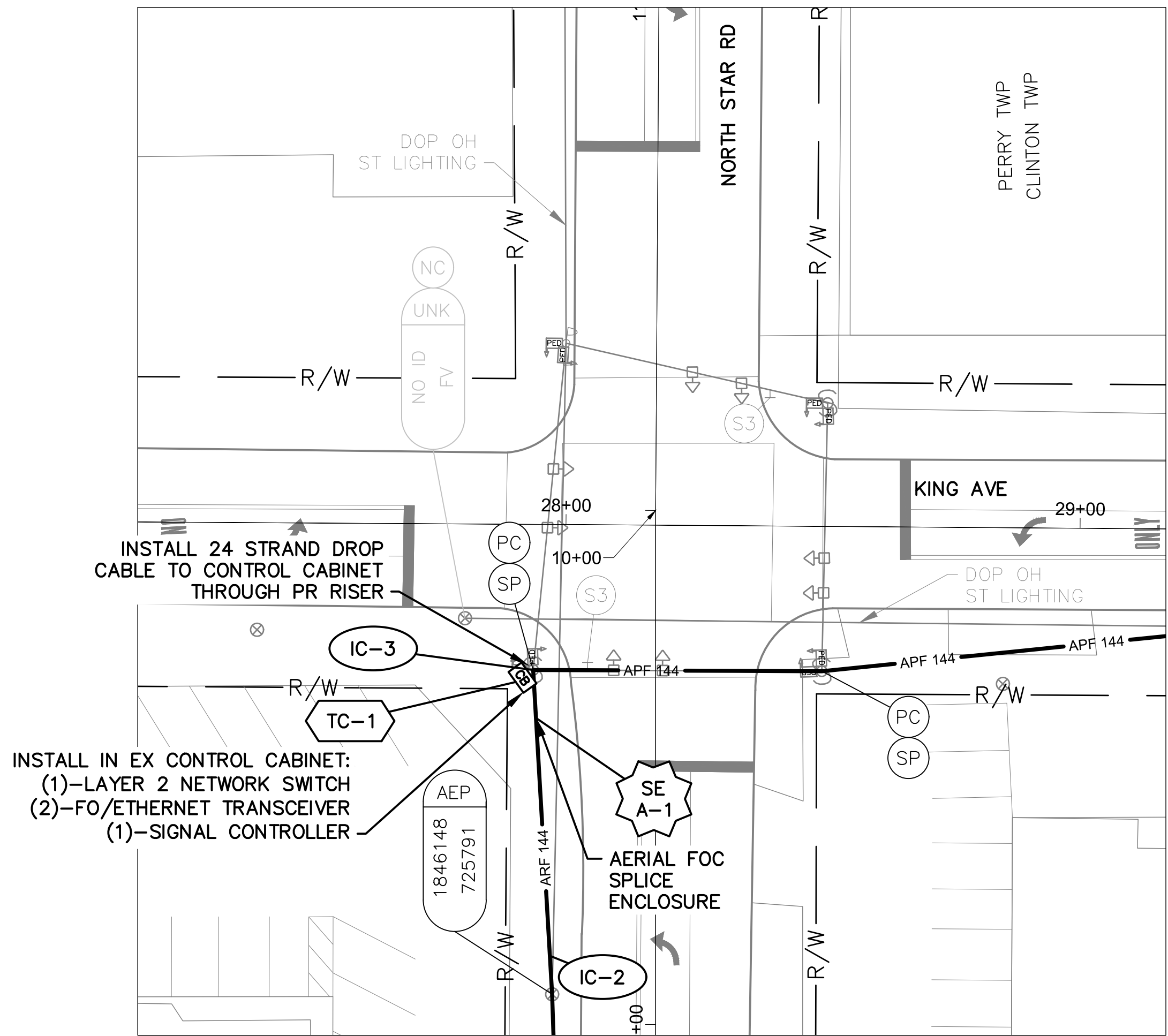


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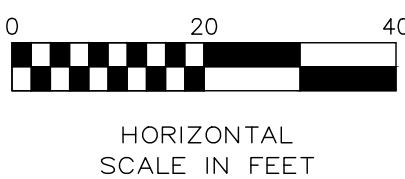


MATCH LINE STA. 8+75, SEE NORTH STAR RD SHEET 303

KING AVE BETWEEN STATION 27+00 AND 38+00



DETAIL - INT 4099

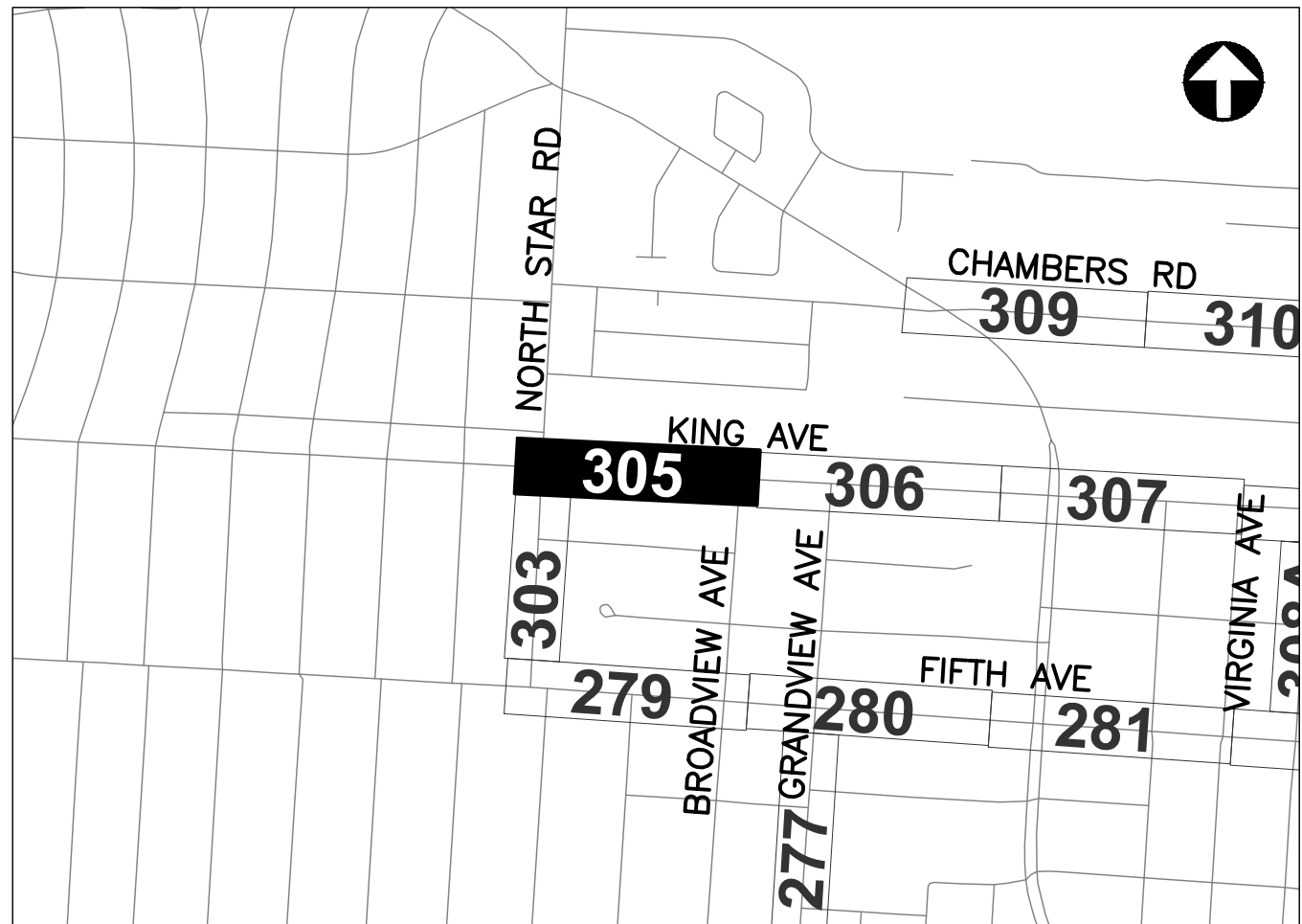


NOTES:

1. SEE SHEET 311 FOR QUANTITIES.
2. SEE SHEETS 671 & 824 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. CONTACTED POLES WITH NO ID ON THIS SHEET ARE OWNED BY DOP. CONTRACTOR IS TO UNDERBUILD FOR ALL POLES OF THIS TYPE ON THIS SHEET.

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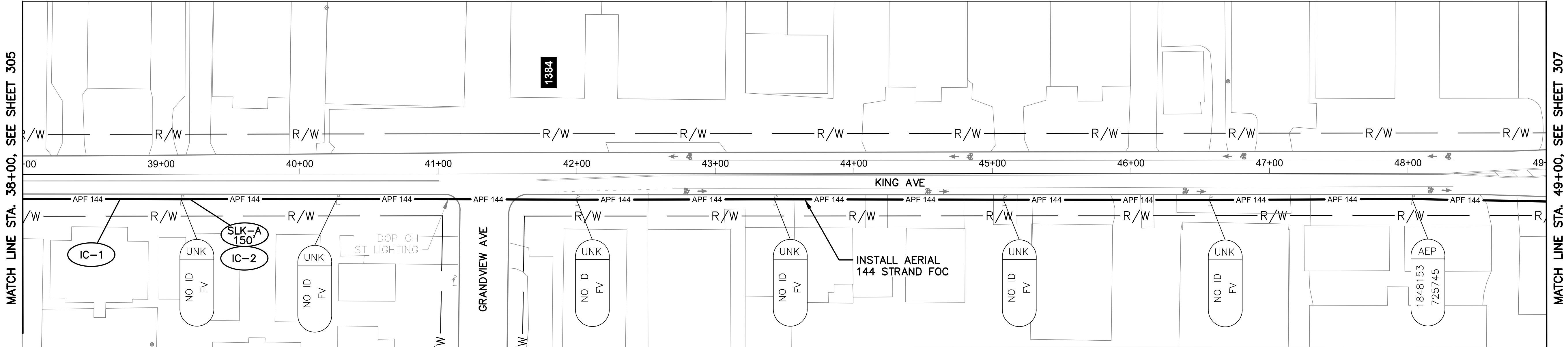


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk3\_KING\_INTERCONNECT.dwg -- KING-2 layout -- last saved by: jbeans 10/11/2018 09:49am -- printed 03/18/2020 08:30pm



KING AVE BETWEEN STATION 38+00 AND 49+00

NOTES:

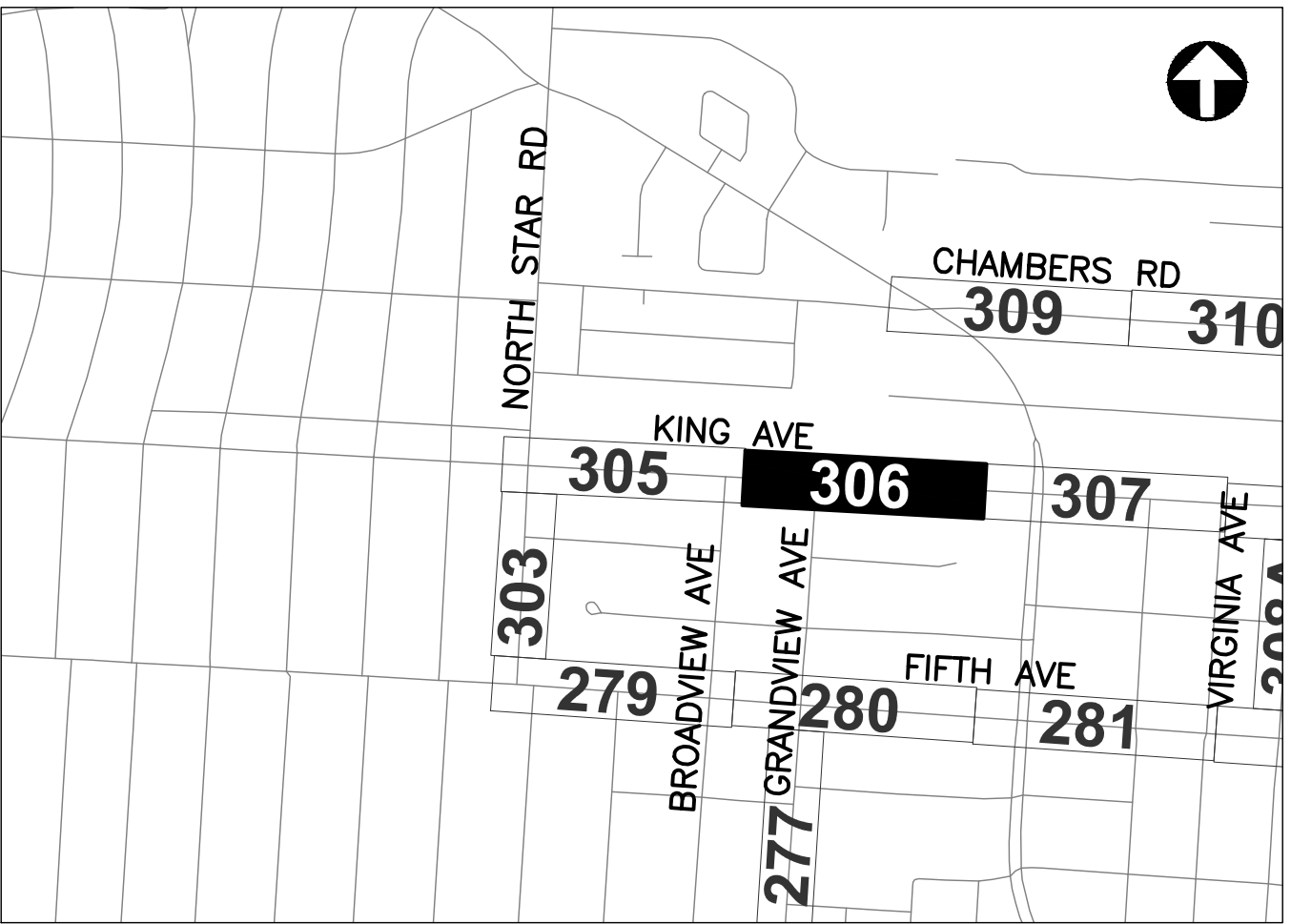
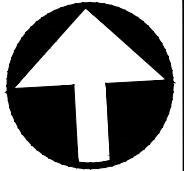
- 1. SEE SHEET 311 FOR QUANTITIES.
- 2. SEE SHEET 671 FOR COMMUNICATION DETAILS.
- 3. CONTACTED POLES WITH NO ID ON THIS SHEET ARE OWNED BY DOP. CONTRACTOR IS TO UNDERBUILD FOR ALL POLES OF THIS TYPE ON THIS SHEET.

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  - ☒ LIGHTING

REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

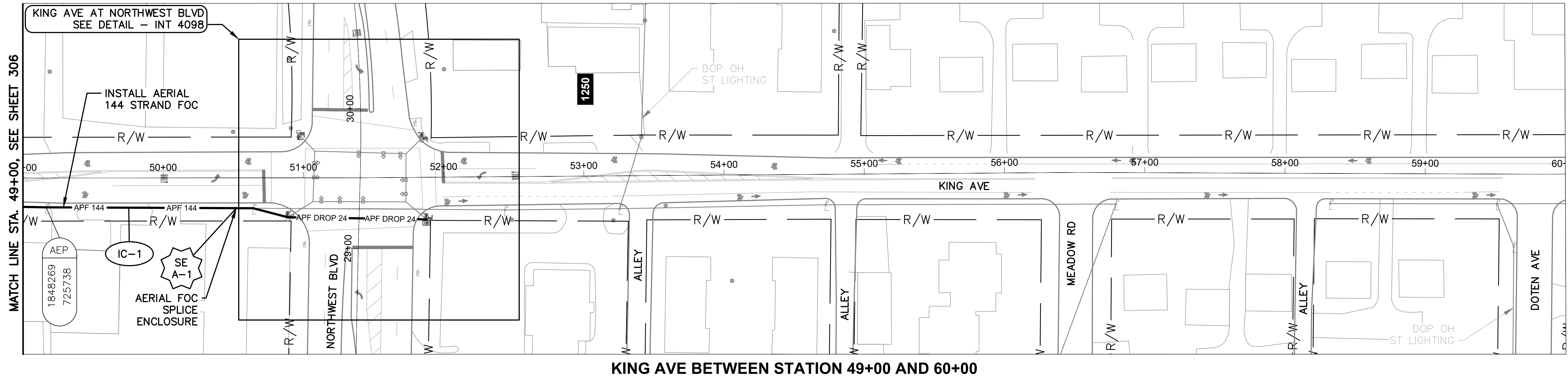
INTERCONNECT PLAN  
KING AVE BETWEEN STA. 38+00 AND 49+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

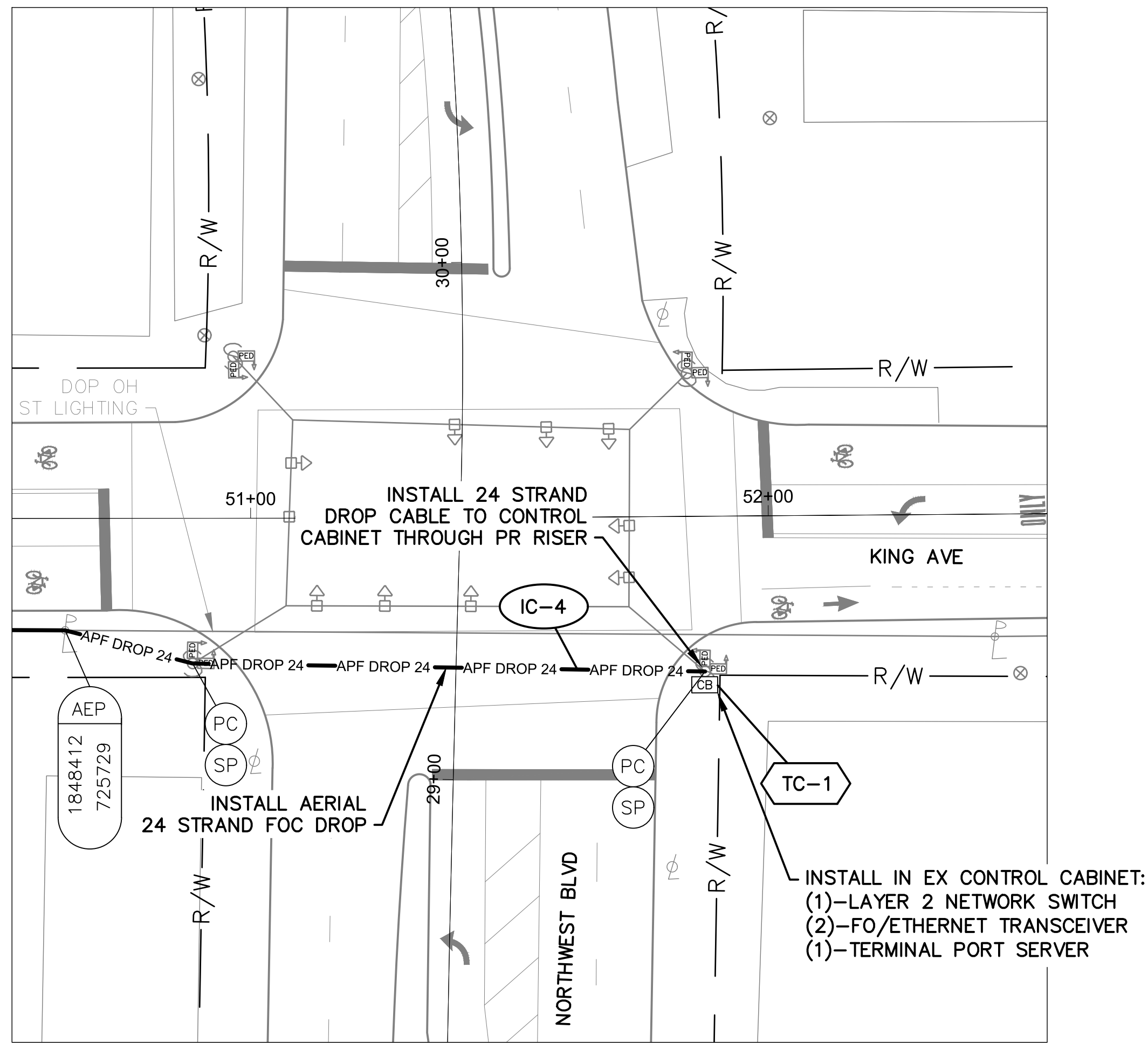
306  
1000



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KING AVE BETWEEN STATION 49+00 AND 60+00

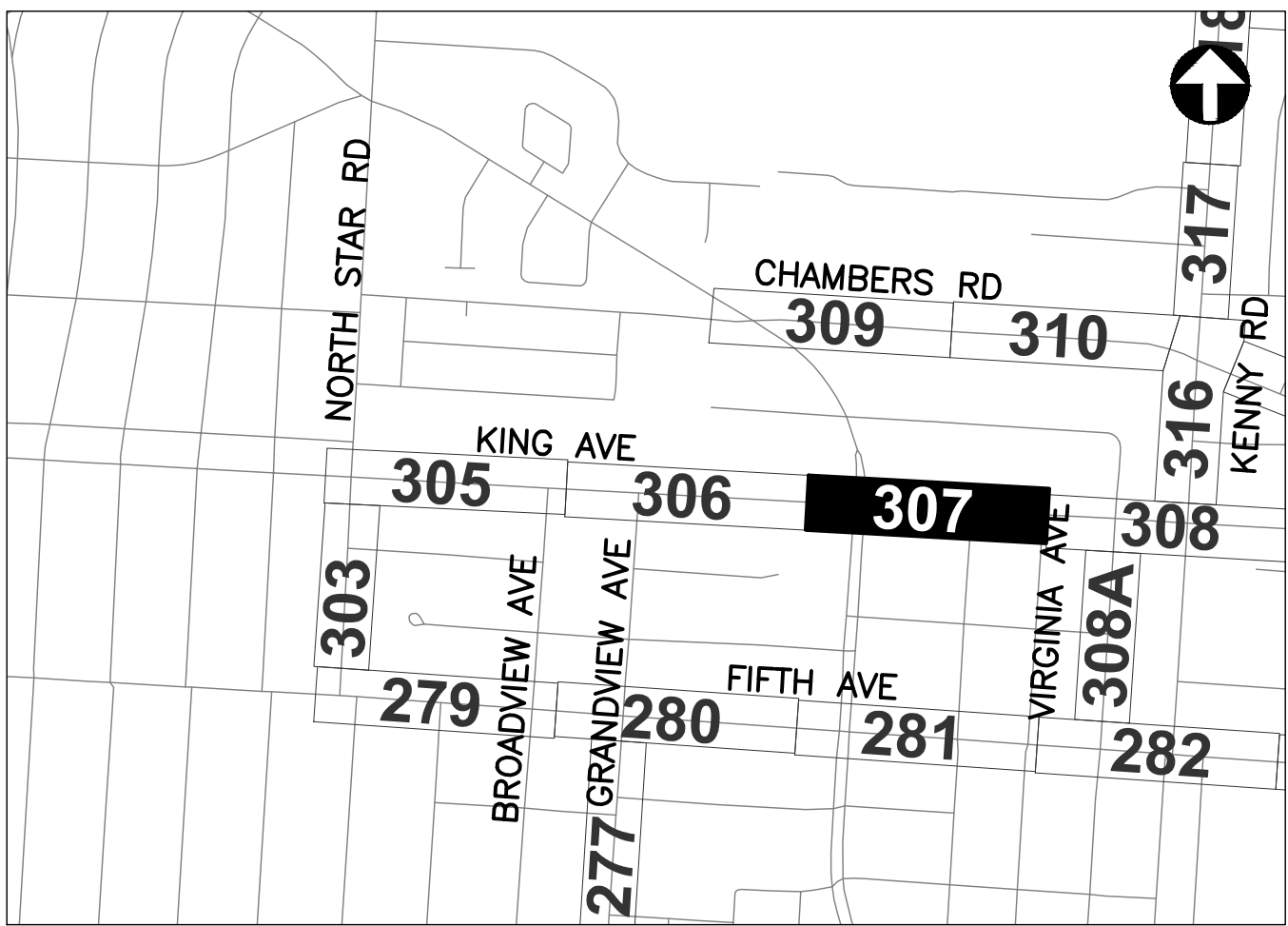


DETAIL - INT 4098

- NOTES:**
1. SEE SHEET 311 FOR QUANTITIES.
  2. SEE SHEETS 671 & 825 FOR COMMUNICATION DETAILS.
  3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

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- CITY OF COLUMBUS  
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- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING

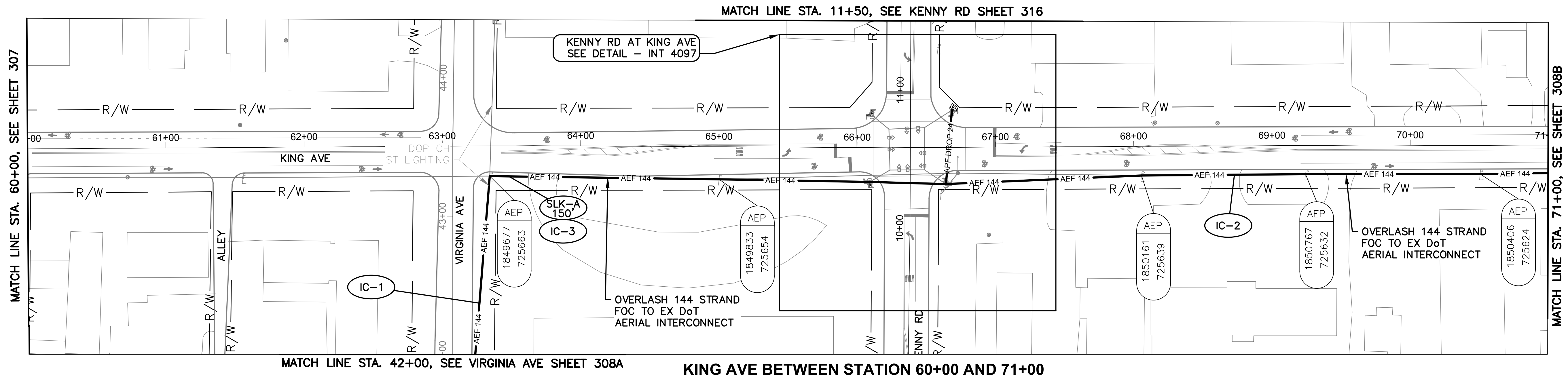
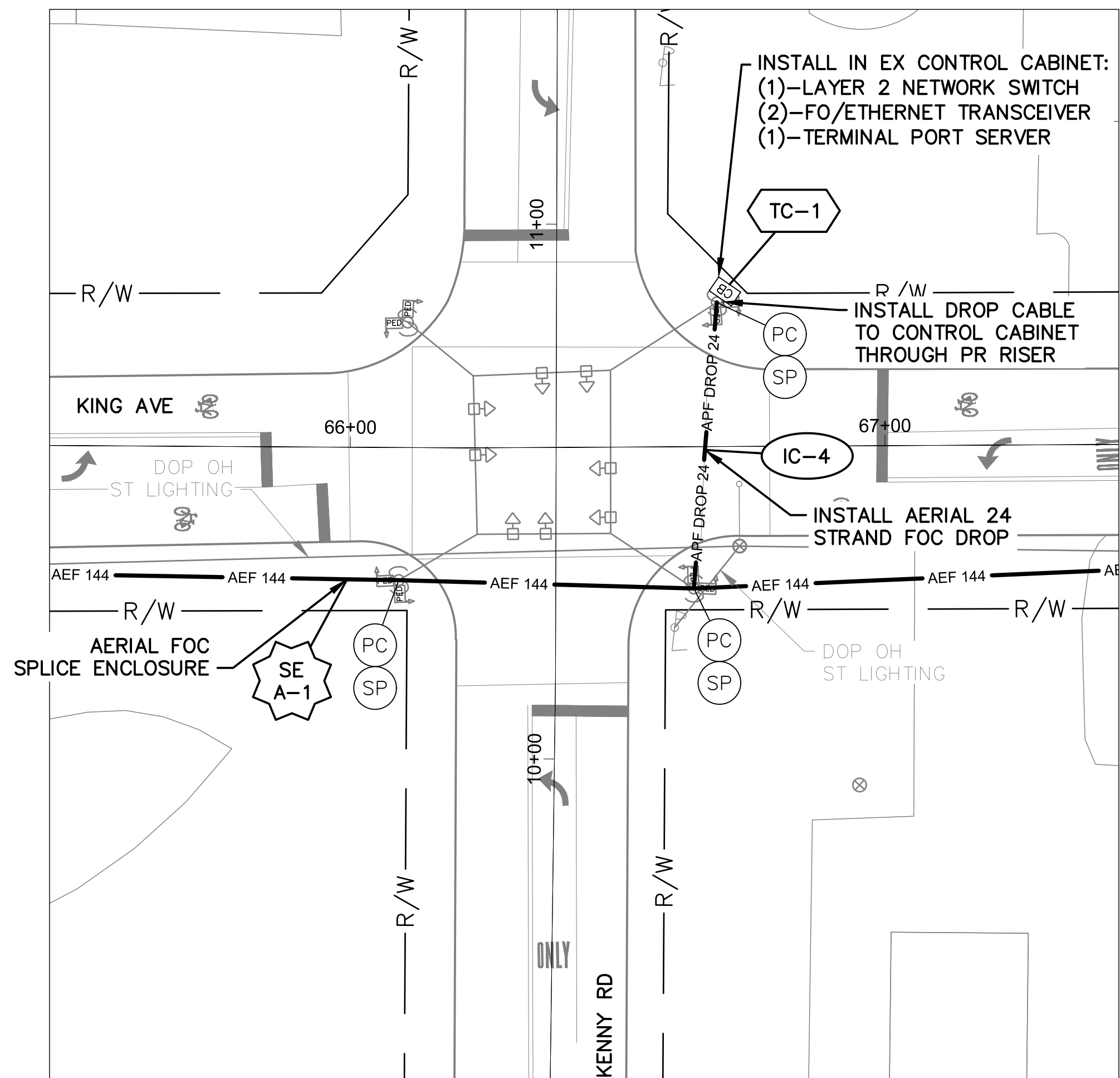


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

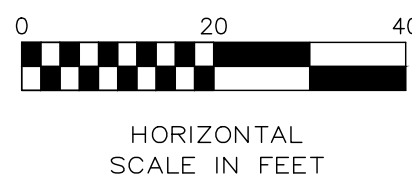
**KEY PLAN**  
NOT TO SCALE



J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk3\_KING\_INTERCONNECT.dwg - KING-4 layout - last saved by: jhearns 10/11/2018 09:49am - printed 03/18/2020 08:34pm



DETAIL - INT 4097

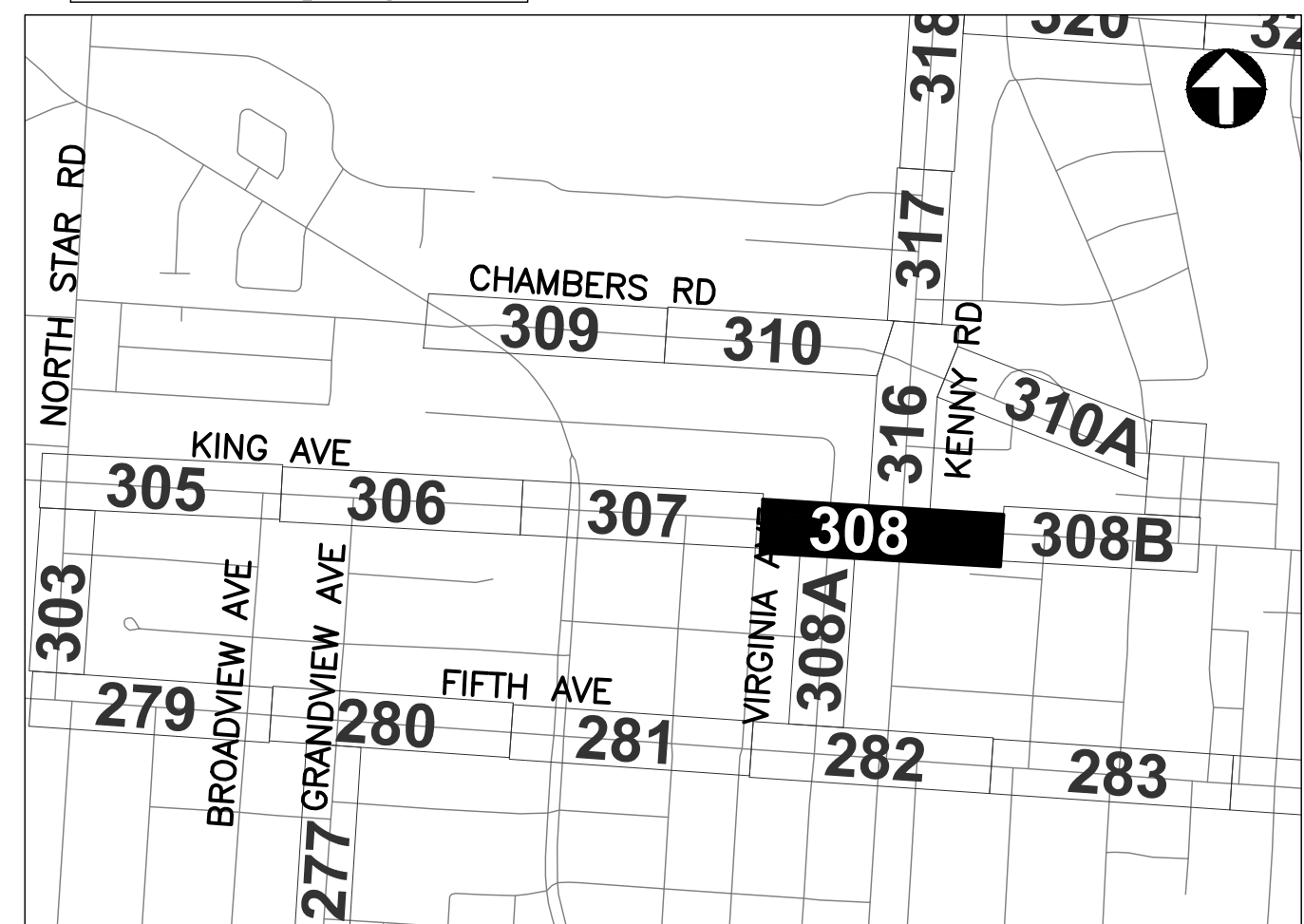


NOTES:

1. SEE SHEET 311 FOR QUANTITIES.
2. SEE SHEETS 671 & 749 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

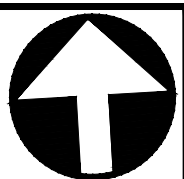
  
OHIO  
Utilities Protection  
SERVICE  
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www.oups.org

| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

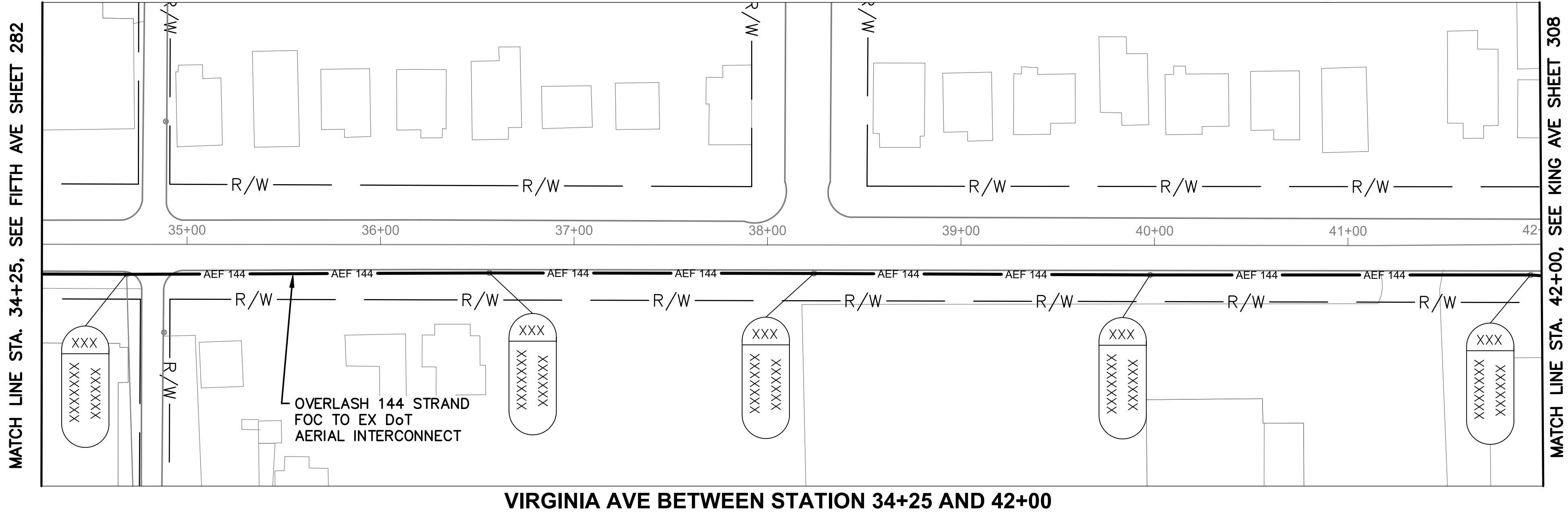
INTERCONNECT PLAN  
KING AVE BETWEEN STA. 60+00 AND 71+00, INT 4097

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

308  
1000



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk3\_KING\_INTERCONNECT.dwg -- VIRGINIA-1 layout -- last saved by: jbeems 10/11/2018 09:49am ~ printed 03/18/2020 08:35pm

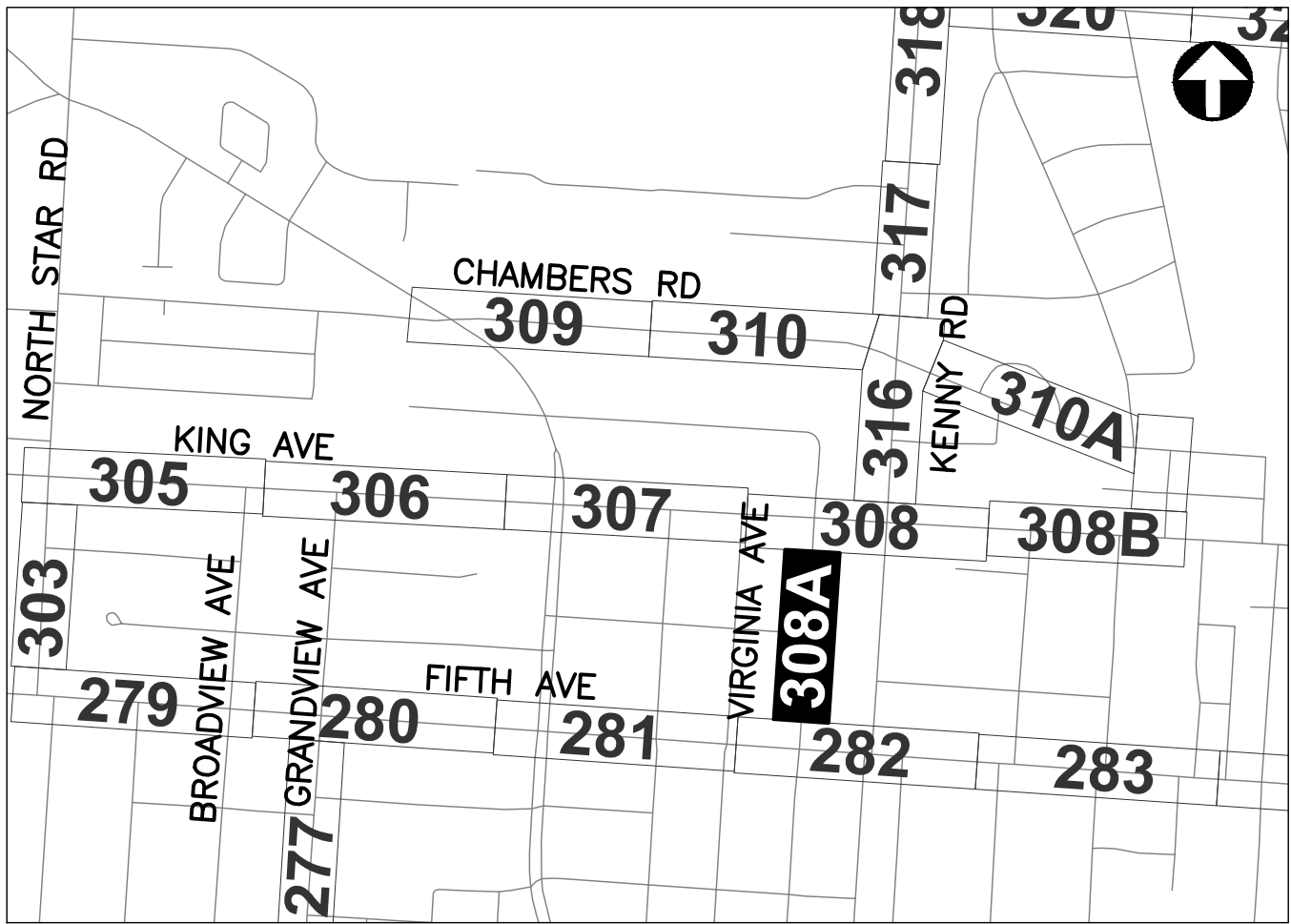


NOTES:

1. SEE SHEET 311 FOR QUANTITIES.
2. SEE SHEET 671 FOR COMMUNICATION DETAILS.

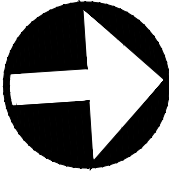
  
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- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

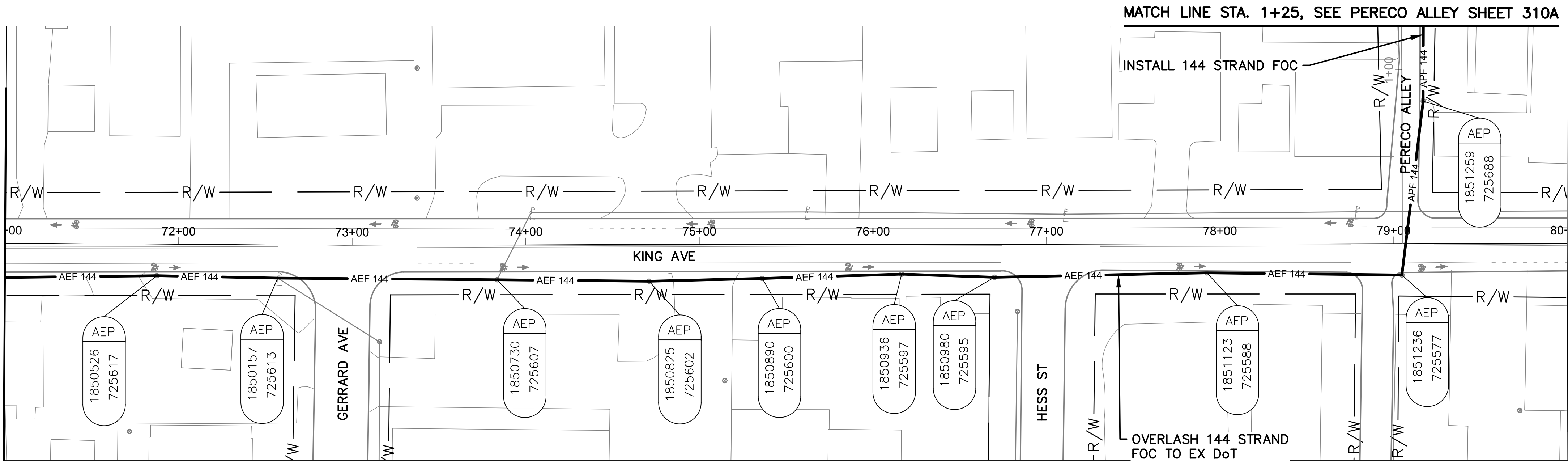
KEY PLAN  
NOT TO SCALE

|                                                                                                                              |                                                                                  |                                                                |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------|
| <br>0 40 80<br>HORIZONTAL<br>SCALE IN FEET | CIP: 540007-100006<br>PID NUMBER: 82573                                          | INTERCONNECT PLAN<br>VIRGINIA AVE BETWEEN STA. 34+25 AND 42+00 |
|                                                                                                                              | CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM<br>(CTSS) PHASE D - CONSTRUCTION AS-BUILT |                                                                |
| <div>308A<br/>1000</div>                                                                                                     |                                                                                  |                                                                |



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk3\_KING\_INTERCONNECT.dwg -- KING-5 layout -- last saved by: jbeans 10/11/2018 09:49am -- printed 03/18/2020 08:36pm

MATCH LINE STA. 60+00, SEE SHEET 308



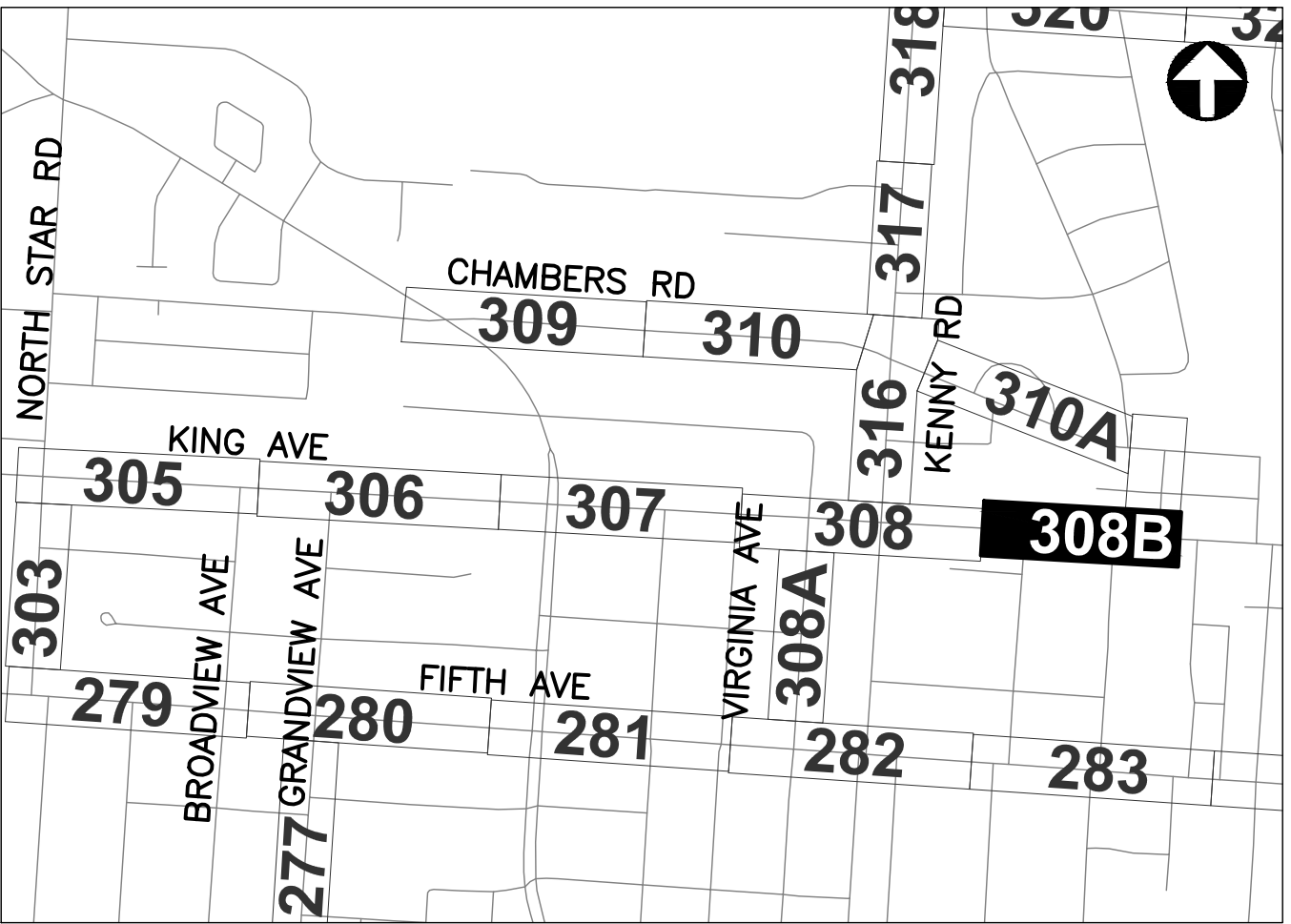
KING AVE BETWEEN STATION 71+00 AND 80+00

NOTES:

1. SEE SHEET 311 FOR QUANTITIES.
2. SEE SHEET 671 FOR COMMUNICATION DETAILS.

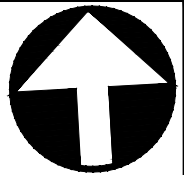
  
OHIO  
Utilities Protection  
SERVICE  
*Call Before You Dig*  
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www.oups.org

- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

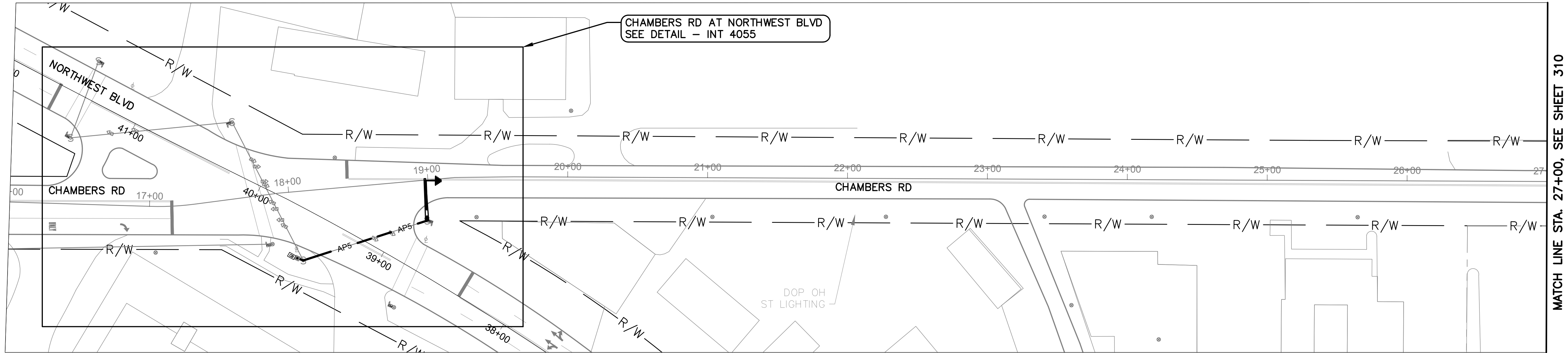
INTERCONNECT PLAN  
KING AVE BETWEEN STA. 71+00 AND 80+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

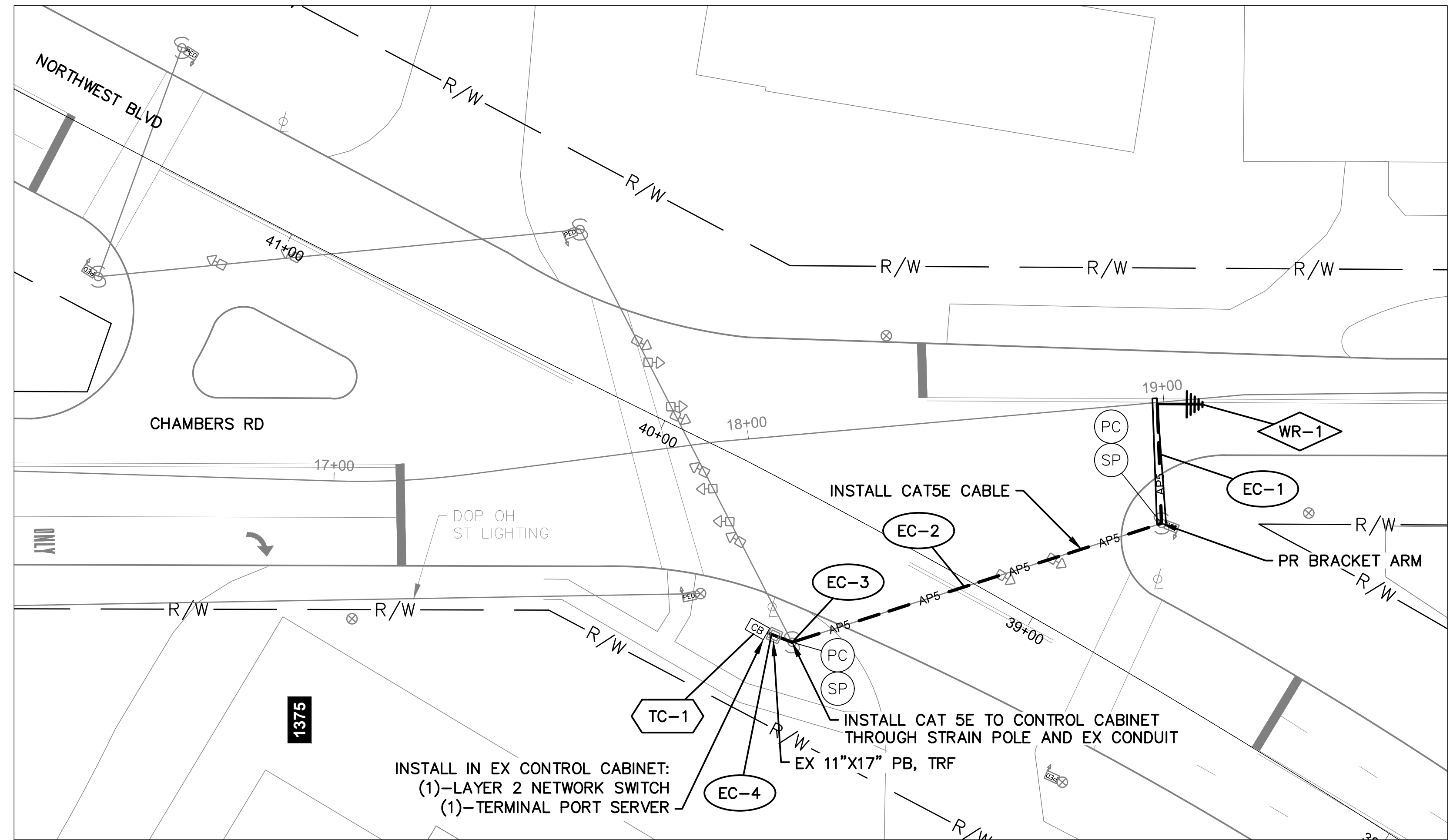
308B  
1000



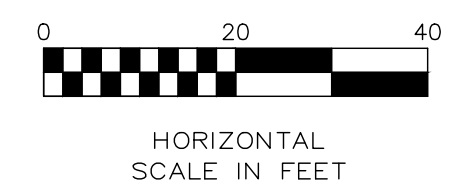
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CHAMBERS RD BETWEEN STATION 16+00 AND 27+00

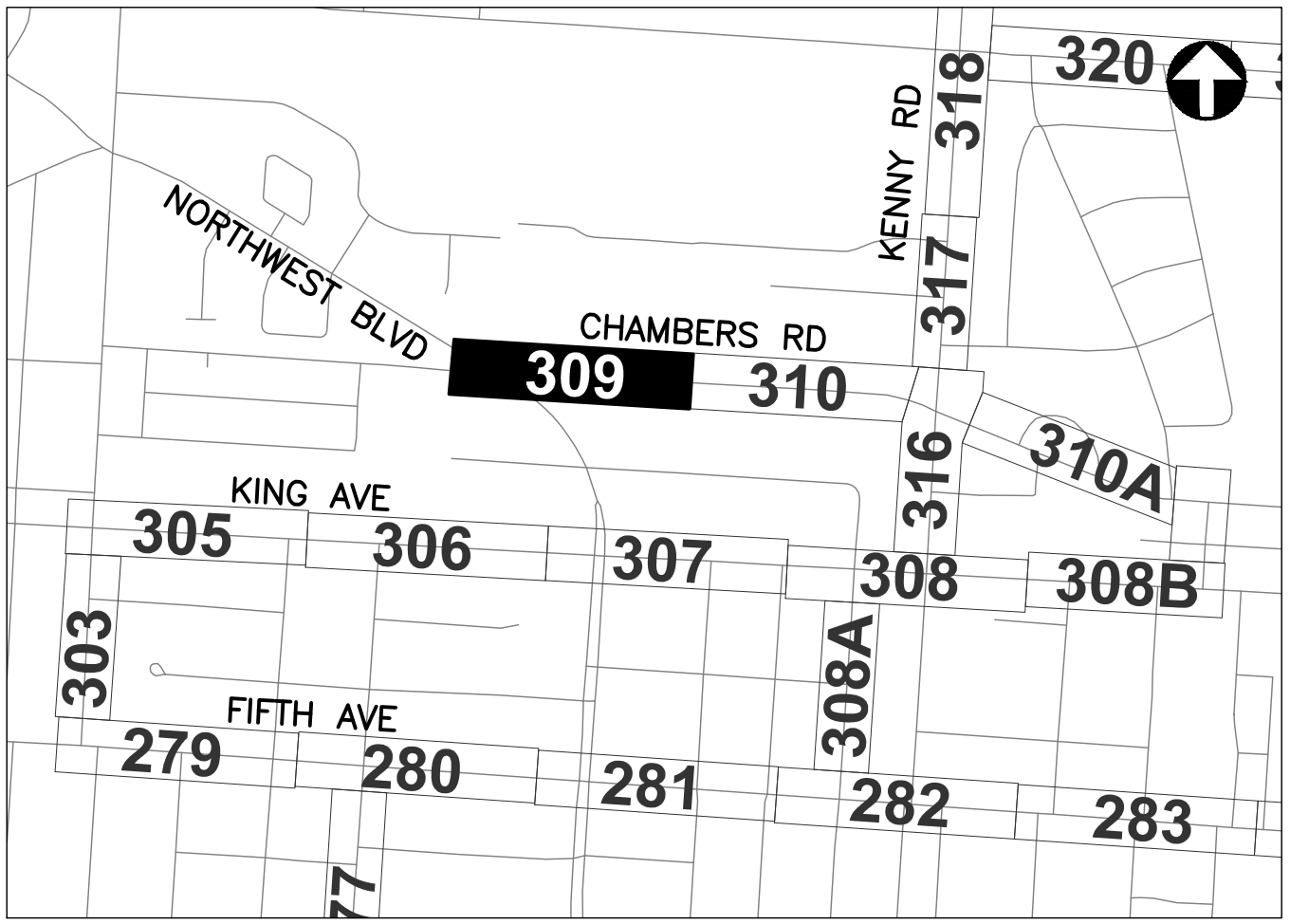


DETAIL - INT 4055



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- CITY OF COLUMBUS UTILITY LEGEND
- SEWER
  - WATER
  - POWER
  - LIGHTING



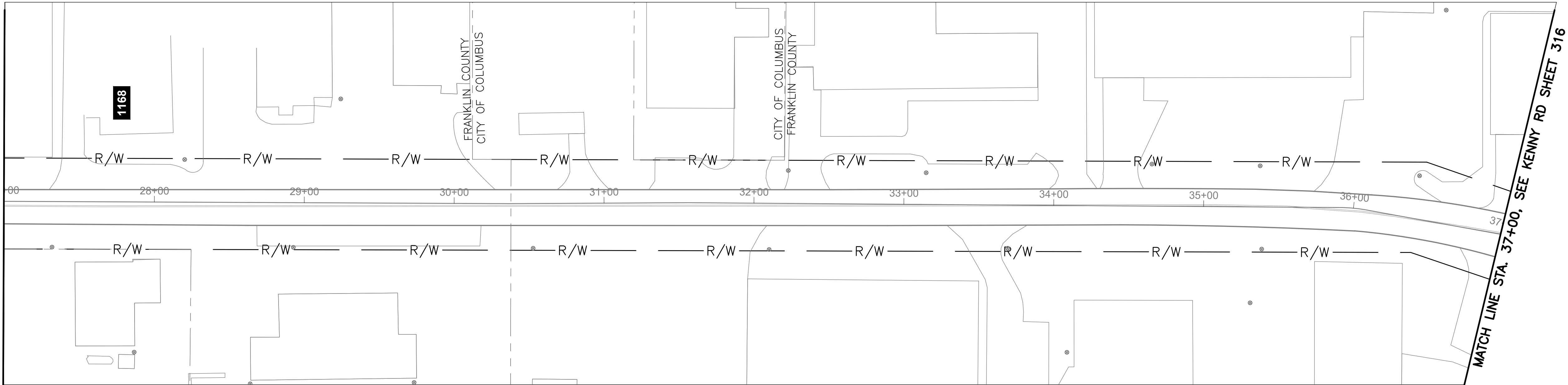
REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN NOT TO SCALE



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk3\_NORTHWEST\_INTERCONNECT.dwg -- CHAMBERS-2 layout -- last saved by: gburch 11/15/2018 02:47pm -- printed 03/18/2020 08:38pm

MATCH LINE STA. 27+00, SEE SHEET 309



CHAMBERS RD BETWEEN STATION 27+00 AND 37+00

NOTES:

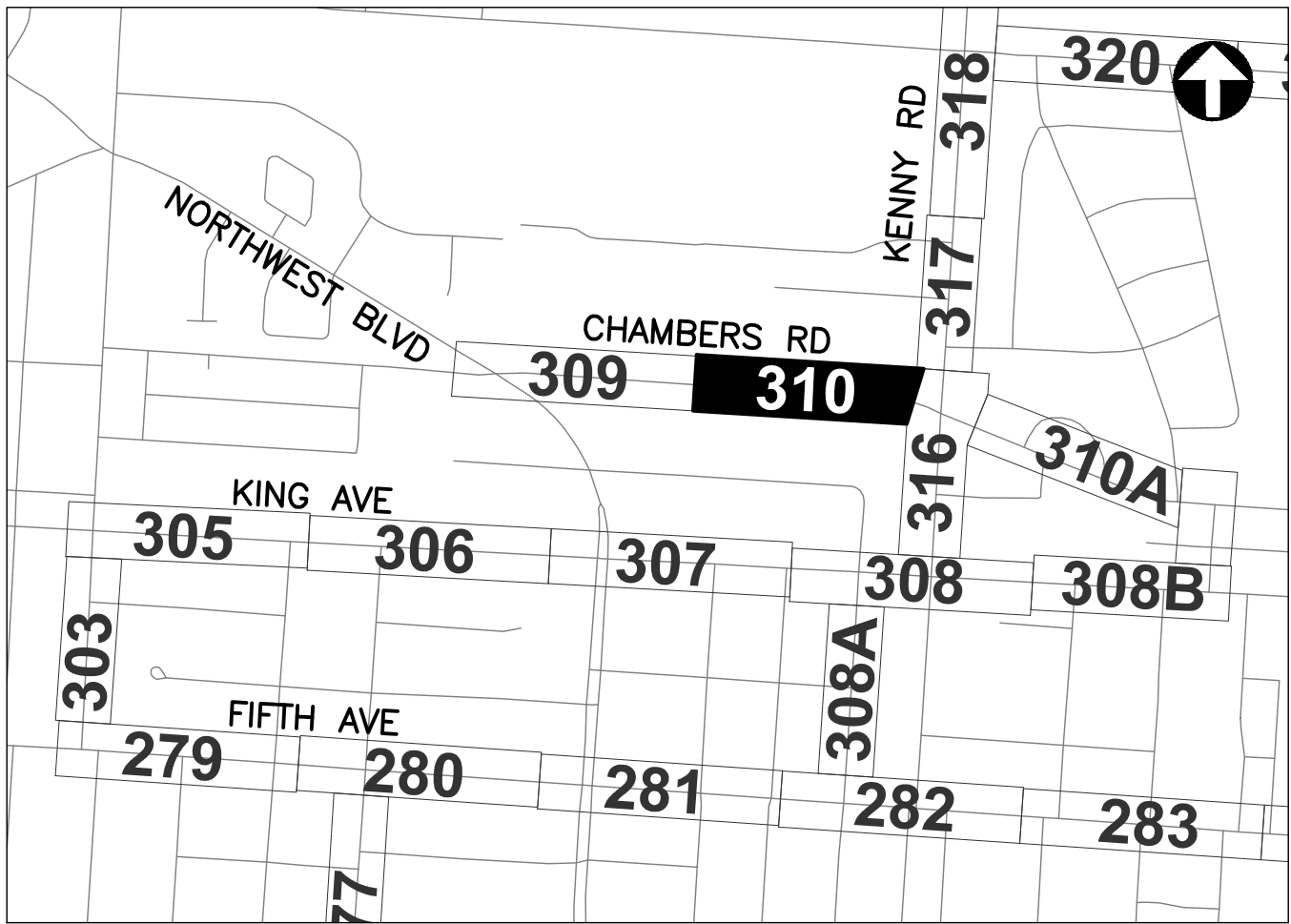
1. SEE SHEET 670 FOR COMMUNICATION DETAILS.
2. NO WORK ON THIS SHEET. FOR REFERENCE ONLY.



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Utilities Protection  
SERVICE  
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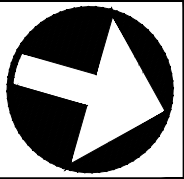
800-362-2764 or 8-1-1  
www.oups.org

- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



HORIZONTAL  
SCALE IN FEET

CIP: 540007-100006  
PID NUMBER: 82573

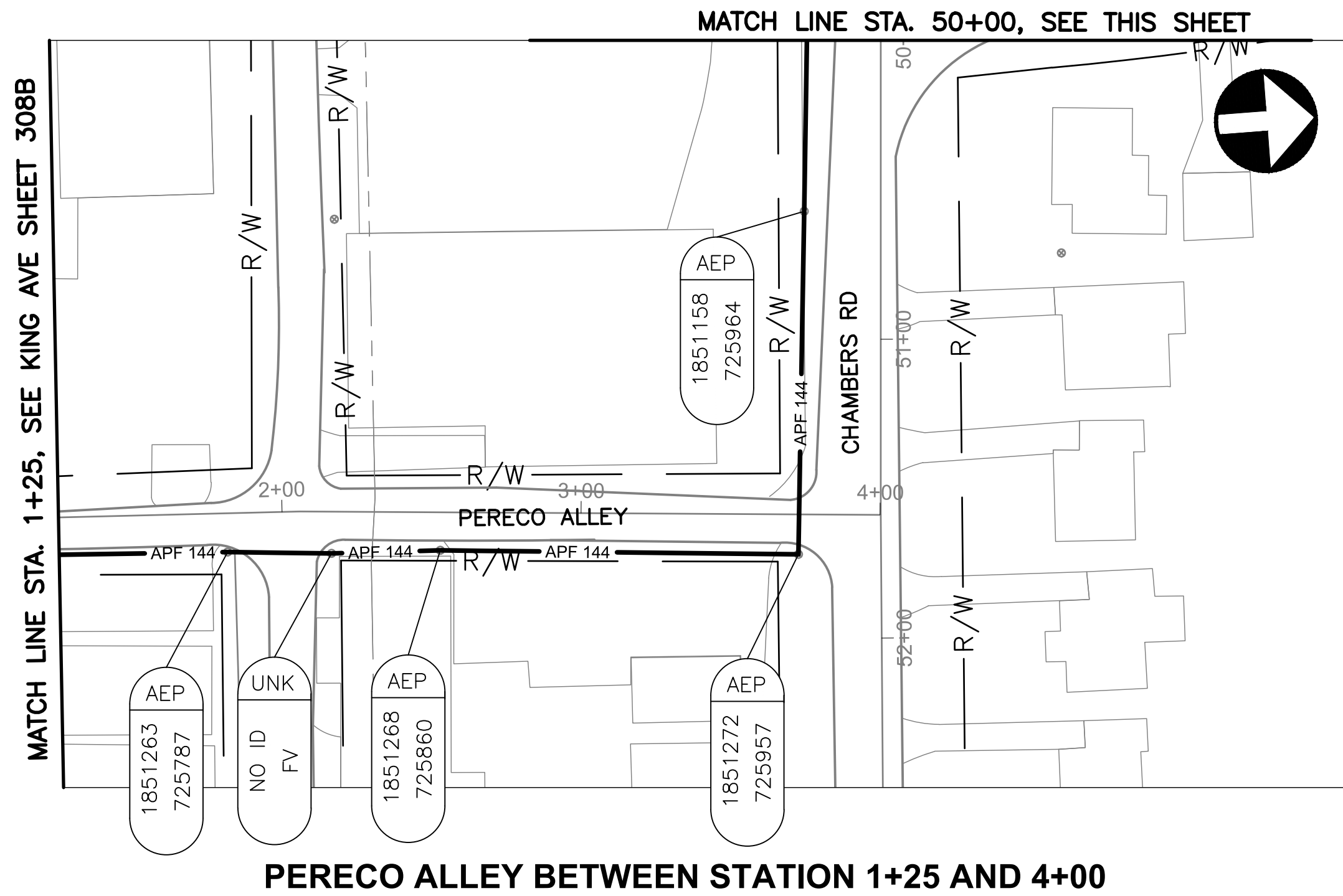
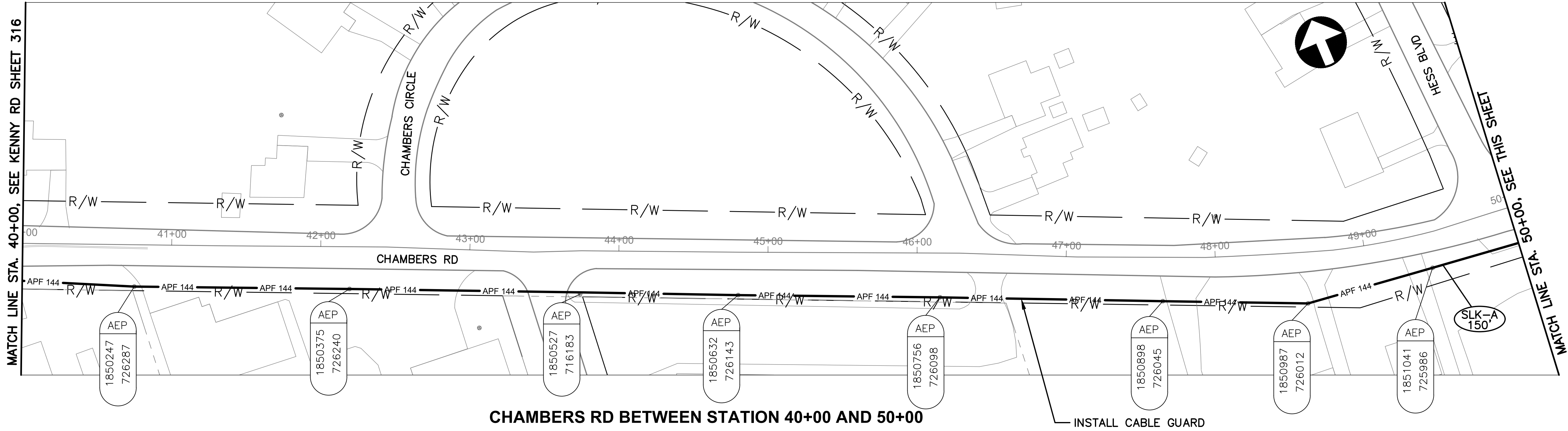
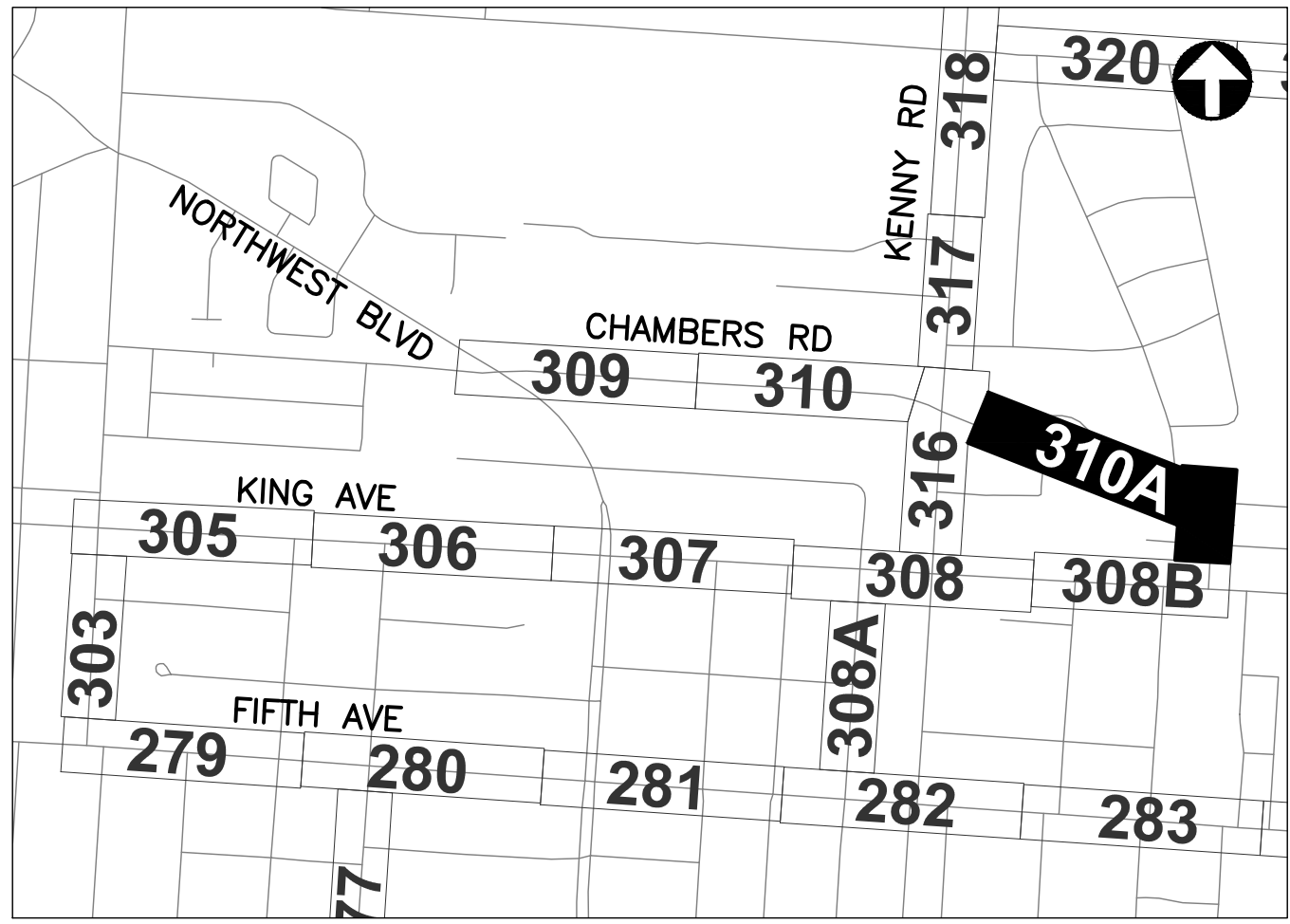
INTERCONNECT PLAN  
CHAMBERS RD BETWEEN STATION 27+00 AND 37+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

310  
1000



J:\Jobs\60135\TCHPROD\Sheets\CTSS\_PHD\_Trunk3\_NORTHWEST\_INTERCONNECT.dwg -- CHAMBERS-3 layout -- last saved by: gburch 11/15/2018 02:47pm -- printed 03/18/2020 08:39pm



- NOTES:
1. SEE SHEET 311 FOR QUANTITIES.
  2. SEE SHEET 670 FOR COMMUNICATION DETAILS.

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- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING

REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT

INTERCONNECT PLAN CHAMBERS RD BETWEEN STATION 40+00 AND 50+00  
PERECO ALLEY BETWEEN STATION 1+25 AND 4+00

CIP: 540007-100006  
PID NUMBER: 82573











MATCH LINE STA. 105+00, SEE SHEET 313

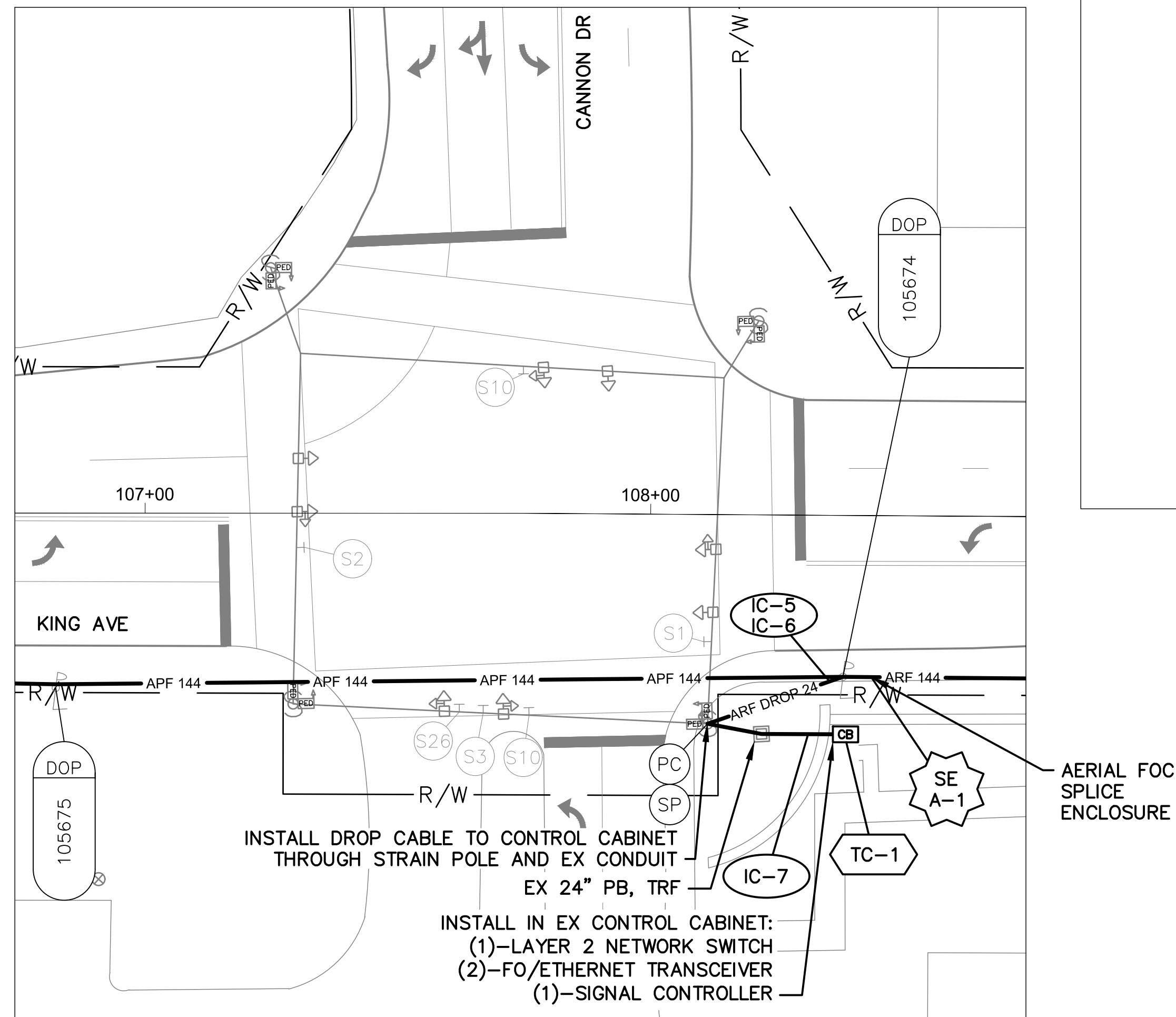
- 
- OHIO  
Utilities Protection  
SERVICE
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- 800-362-2764 or 8-1-1  
[www.oups.org](http://www.oups.org)

A map of a residential area in the Bronx, New York, showing streets and house numbers. The map is oriented with North at the top. A black arrow in the top right corner points North. The map shows a grid of streets with various house numbers. A black box highlights the address 312 on King Ave. Other visible addresses include 316, 317, 318, 320, 321, 251, 255, 310A, 308B, 308, 282, 283, 285, 252, 254, 255, 312, 313, 314, 287, 286, and 281. Streets shown include Kenny Rd, Olenancy River Rd, King Ave, Cannon Dr, and Fifth Ave.

KEY PLAN  
NOT TO SCALE

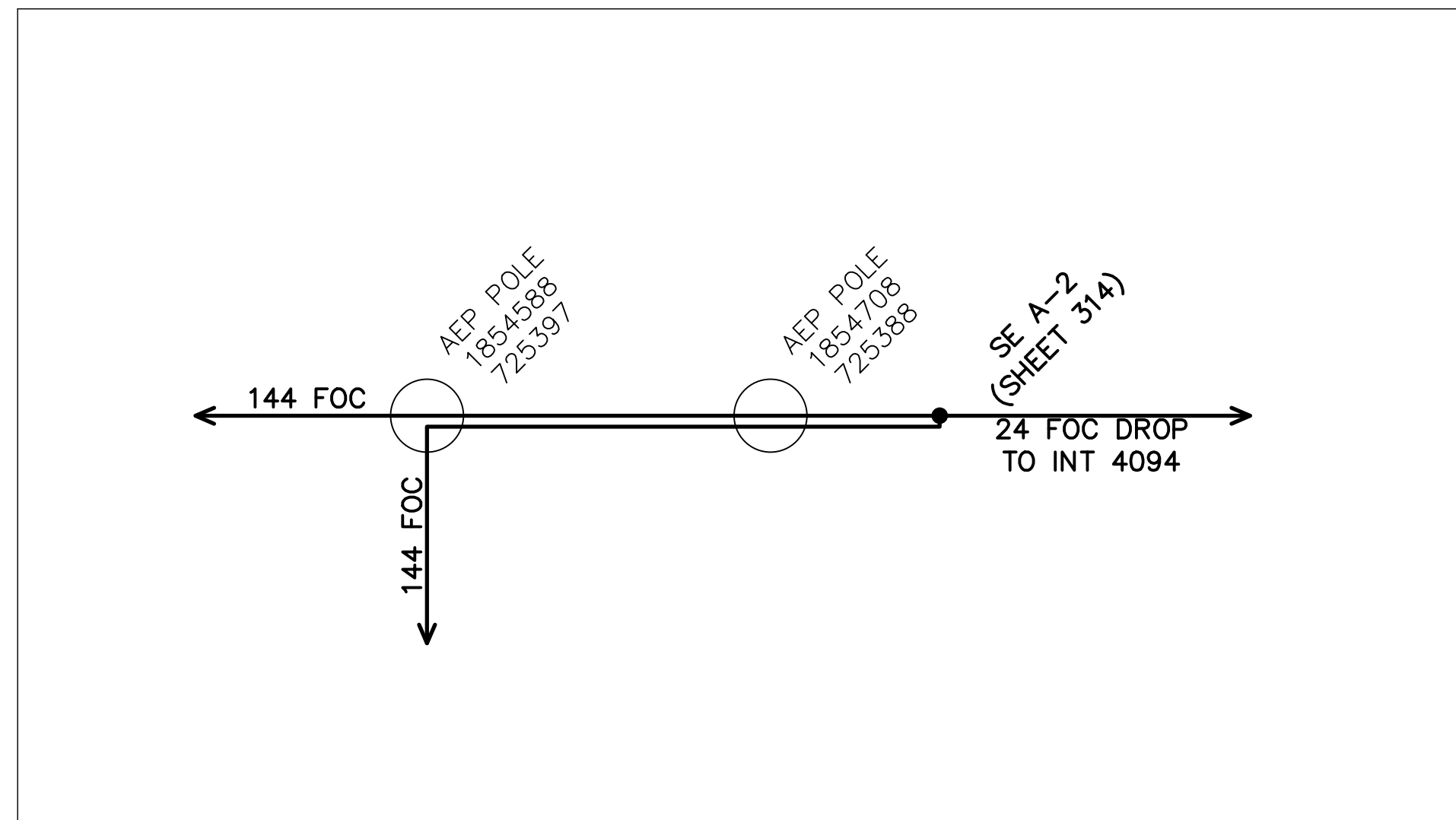


J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk3\_KING\_INTERCONNECT.dwg -- KING-7 layout -- last saved by: jbeans 10/11/2018 09:49am -- printed 03/18/2020 08:44pm



**DETAIL - INT 4095**

0 20 40  
HORIZONTAL  
SCALE IN FEET



**CABLE SCHEMATIC**  
NOT TO SCALE

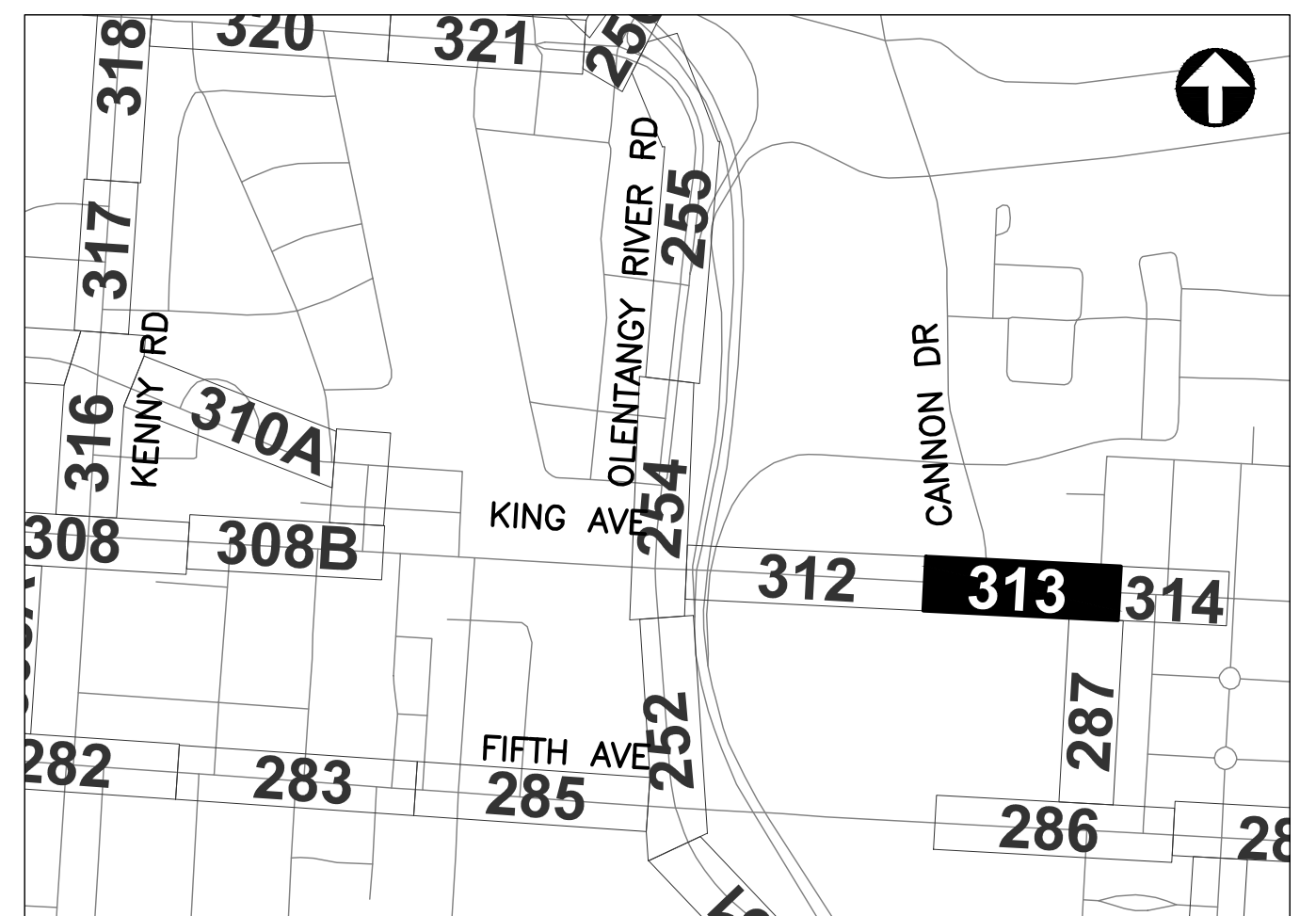
**NOTES:**

1. SEE SHEET 315 FOR QUANTITIES.
2. SEE SHEETS 671 & 812 FOR COMMUNICATION DETAILS.
3. RESOLUTION NUMBER 0745-03, PASSED AUGUST 07, 2003 PROVIDES INGRESS/EGRESS TO OSU PROPERTY.
4. EXISTING UTILITY POLE PATH IS LOCATED WITHIN RESERVED EASEMENT RIGHTS UNDER SECTION 2 OF ORDINANCE 2406-81 (PASSED 11-16-1981).



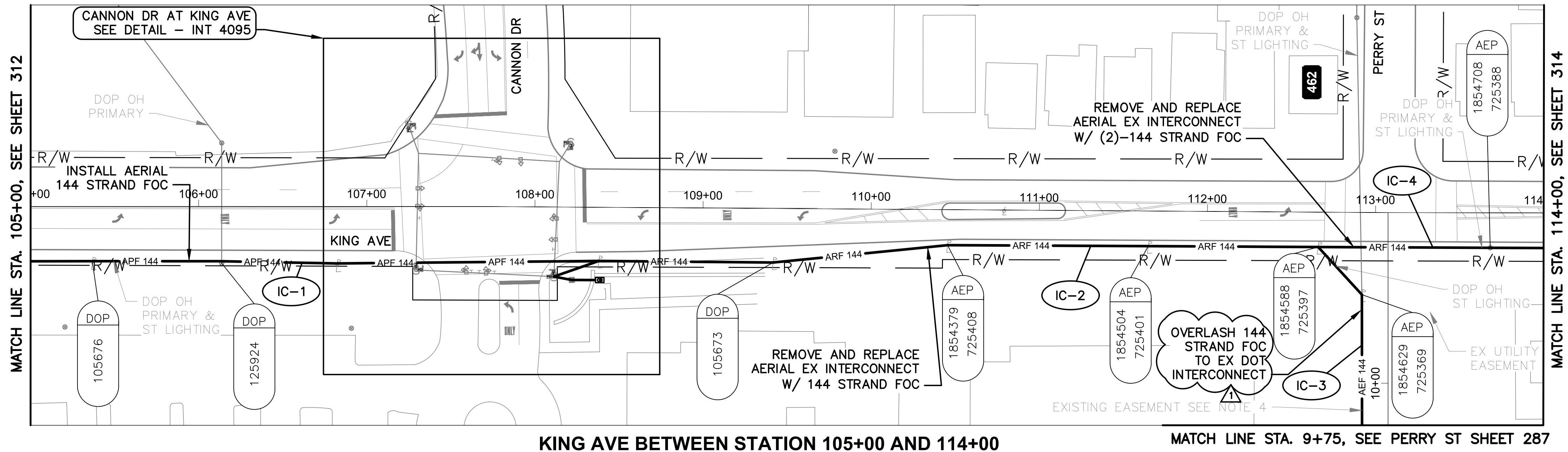
CITY OF COLUMBUS  
UTILITY LEGEND

|                                     |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input checked="" type="checkbox"/> | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

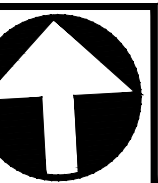
**KEY PLAN**  
NOT TO SCALE



**KING AVE BETWEEN STATION 105+00 AND 114+00**

MATCH LINE STA. 9+75, SEE PERRY ST SHEET 287

MATCH LINE STA. 114+00, SEE SHEET 314



CIP: 540007-100006  
PID NUMBER: 82573

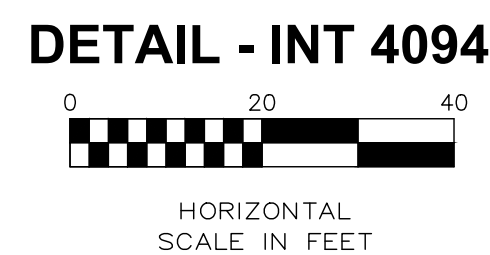
INTERCONNECT PLAN  
KING AVE BETWEEN STA. 105+00 AND 114+00, INT 4095

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

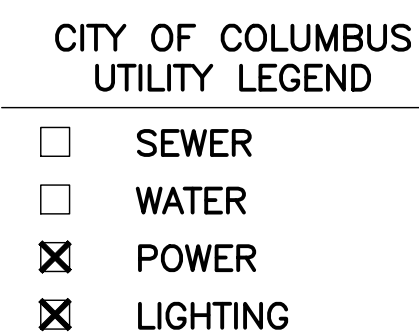
313  
1000

3150-E





1. SEE SHEET 315 FOR QUANTITIES.
2. SEE SHEETS 671 & 813 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.
4. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.





J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk3\_NORTHWEST\_IC\_QUANTITIES.dwg -- NORTHWEST-Q1 layout -- last saved by gburch 07/29/2016 03:19pm -- printed 03/18/2020 08:46pm

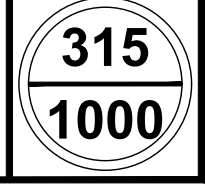
| ESTIMATED QUANTITIES                               |               |          |                |                 |                                          |                                           |                                                                |                                                           |                                                                           |                                                                   |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
|----------------------------------------------------|---------------|----------|----------------|-----------------|------------------------------------------|-------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------|---|---|---|---|---|---|---|
| SHEET NO.                                          | REFERENCE NO. | LOCATION | STATION        |                 | 202                                      | 632                                       | 632                                                            | 632                                                       | 632                                                                       | 632                                                               | 632                                                                            | 632                                                                            | 632                                                                            | 633                                                                            | 633                                                   | 633                                                                  |   |   |   |   |   |   |   |
|                                                    |               |          |                |                 | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | CONDUIT RISER, 2",<br>725.04, AS PER PLAN | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPICE | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT | INTERCONNECT, MISC.:<br>SPICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 450FT DROP<br>CABLE | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2A2, AS PER<br>PLAN |   |   |   |   |   |   |   |
| KING AVE. BETWEEN STA. 94+00 AND 105+00            |               |          | FROM           | TO              | FT                                       | EACH                                      | FT                                                             | EACH                                                      | FT                                                                        | EACH                                                              | EACH                                                                           | EACH                                                                           | FT                                                                             | EACH                                                                           | EACH                                                  | EACH                                                                 |   |   |   |   |   |   |   |
| 312                                                | IC-1          | KING AVE | 94+00, 34' RT  | 101+02, 34' RT  | 702                                      |                                           | 702                                                            |                                                           |                                                                           |                                                                   |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 312                                                | IC-2          | KING AVE | 101+02, 34' RT |                 |                                          |                                           | 35                                                             |                                                           |                                                                           |                                                                   |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 312                                                | IC-3          | KING AVE | 101+02, 34' RT | 105+00, 34' RT  |                                          |                                           | 404                                                            |                                                           |                                                                           |                                                                   |                                                                                |                                                                                | 404                                                                            |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| KING AVE. BETWEEN STA. 105+00 AND 114+00, INT 4095 |               |          |                |                 |                                          |                                           |                                                                |                                                           |                                                                           |                                                                   |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 313                                                | IC-1          | KING AVE | 105+00, 34' RT | 108+38, 32' RT  |                                          |                                           | 343                                                            |                                                           |                                                                           |                                                                   |                                                                                |                                                                                | 343                                                                            |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 313                                                | IC-6          | KING AVE | 108+38, 32' RT | 108+38, 43' RT  |                                          |                                           |                                                                |                                                           |                                                                           | 1                                                                 |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 313                                                | IC-5          | KING AVE | 108+11, 41' RT | 108+38, 32' RT  |                                          |                                           |                                                                |                                                           | 28                                                                        |                                                                   |                                                                                |                                                                                | 28                                                                             |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 313                                                | IC-7          | KING AVE | 108+11, 41' RT | 108+38, 43' RT  | 32                                       |                                           |                                                                |                                                           |                                                                           |                                                                   |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 313                                                | SE A-1        | KING AVE | 108+38, 32' RT | 111+00, 21' RT  |                                          |                                           | 24                                                             | 1                                                         |                                                                           |                                                                   |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 313                                                | IC-2          | KING AVE | 108+38, 32' RT | 111+00, 21' RT  |                                          |                                           | 570                                                            | 21                                                        |                                                                           |                                                                   |                                                                                |                                                                                | 70                                                                             |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 313                                                | TC-1          | KING AVE | 108+38, 43' RT |                 |                                          |                                           |                                                                |                                                           |                                                                           |                                                                   |                                                                                |                                                                                |                                                                                | 2                                                                              | 1                                                     | 1                                                                    |   |   |   |   |   |   |   |
| 313                                                | IC-3          | KING AVE | 112+65, 21' RT | 112+92, 127' RT |                                          |                                           | 118                                                            |                                                           |                                                                           |                                                                   |                                                                                |                                                                                | 118                                                                            |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 313                                                | IC-4          | KING AVE | 112+65, 21' RT | 114+00, 21' RT  |                                          |                                           | 272                                                            |                                                           | 134                                                                       |                                                                   |                                                                                |                                                                                | 136                                                                            |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| KING AVE. BETWEEN STA. 114+00 AND 119+00, INT 4094 |               |          |                |                 |                                          |                                           |                                                                |                                                           |                                                                           |                                                                   |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 314                                                | IC-1          | KING AVE | 114+00, 21' RT | 114+56, 21' RT  |                                          |                                           | 114                                                            |                                                           | 56                                                                        |                                                                   |                                                                                |                                                                                | 57                                                                             |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 314                                                | IC-2          | KING AVE | 114+00, 21' RT | 115+97, 33' LT  |                                          |                                           |                                                                |                                                           |                                                                           |                                                                   |                                                                                | 1                                                                              | 250                                                                            |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 314                                                | SE A-2        | KING AVE | 114+56, 21' RT |                 |                                          |                                           | 150                                                            | 156                                                       |                                                                           | 1                                                                 |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                                      |   |   |   |   |   |   |   |
| 314                                                | TC-1          | KING AVE | 115+97, 33' LT |                 |                                          | 1                                         |                                                                |                                                           |                                                                           |                                                                   |                                                                                |                                                                                |                                                                                | 2                                                                              | 1                                                     | 1                                                                    |   |   |   |   |   |   |   |
| SHEET TOTAL                                        |               |          |                |                 | 734                                      | 1                                         | 2,858                                                          | 180                                                       | 779                                                                       | 2                                                                 | 1                                                                              | 1                                                                              | 1,864                                                                          | 4                                                                              | 2                                                     | 2                                                                    | - | - | - | - | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

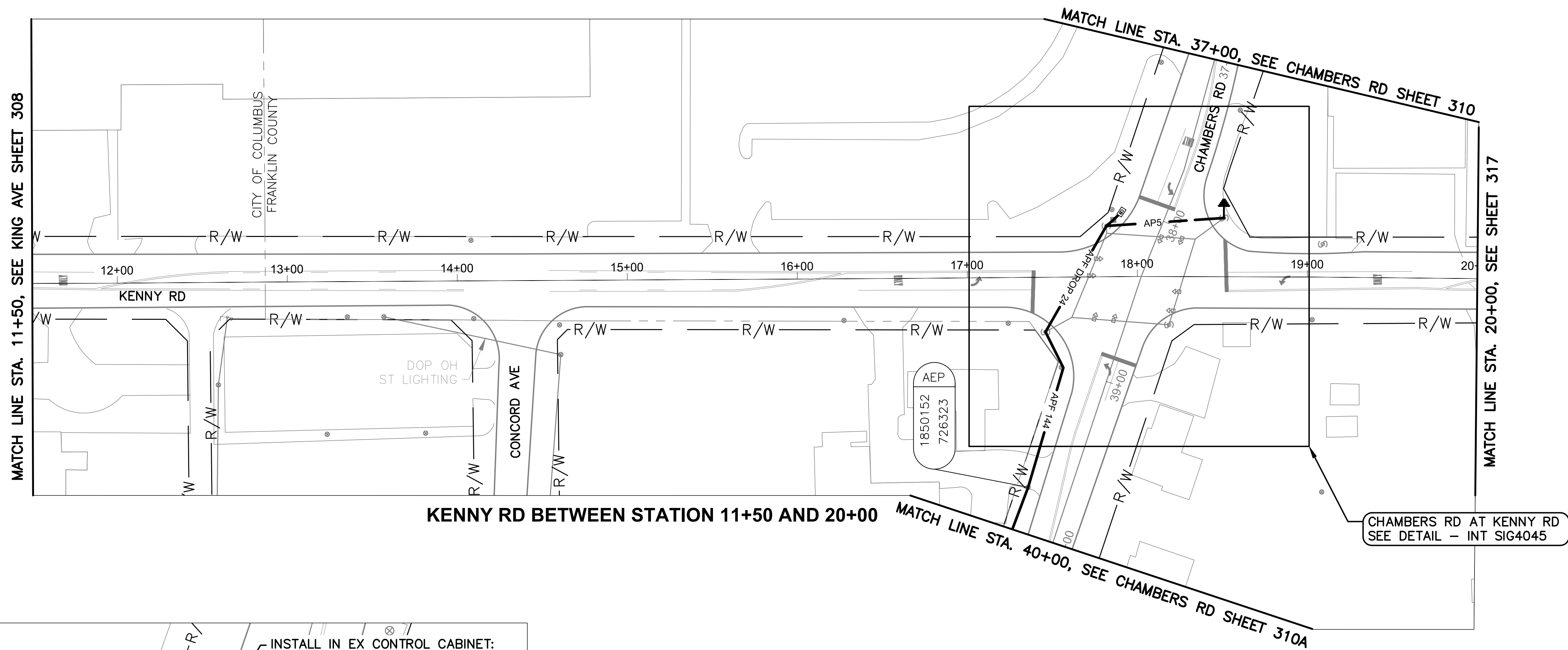
CIP: 540007-100006  
PID NUMBER: 82573

KING AVE BETWEEN STA. 94+00 & 119+00  
INTS 4095, 4094

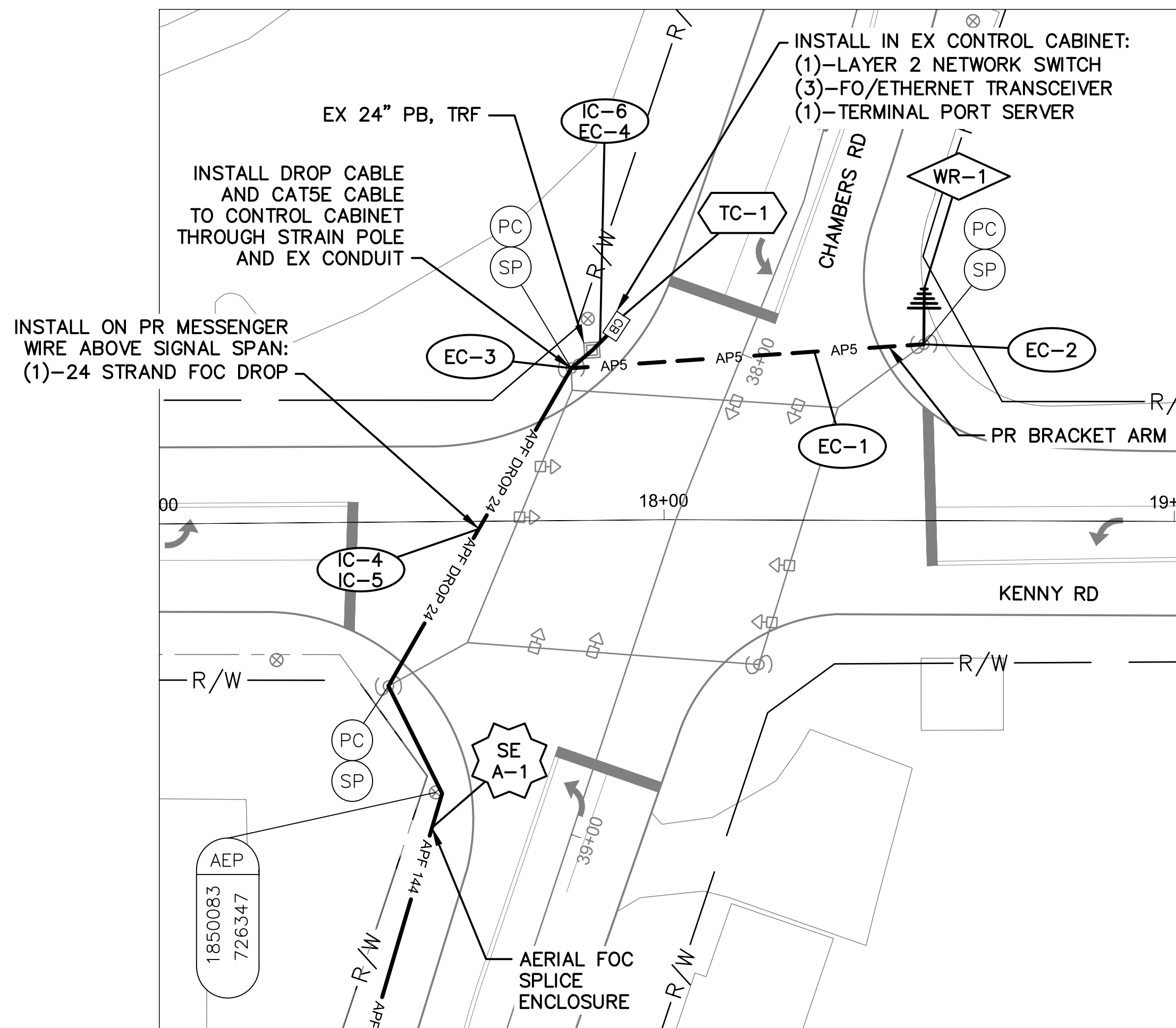




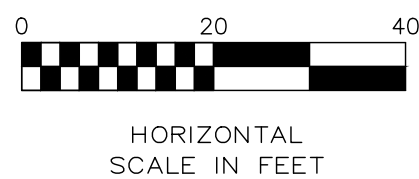
J:\Jobs\60135\TCHPRD00\Sheets\CTSS\_PHD\_Trunk3\_KENNY\_INTERCONNECT.dwg -- KENNY-2 layout -- last saved by: skoganti 12/17/2018 05:30pm -- printed 03/18/2020 08:48pm



KENNY RD BETWEEN STATION 11+50 AND 20+00



DETAIL - INT SIG4045



HORIZONTAL  
SCALE IN FEET

PROPOSED WIRELESS  
SEE SHEET 309  
INT 4055 - CHAMBERS  
RD AT  
NORTHWEST BLVD

INT SIG4045 WITH  
EXISTING SIGNAL  
CONTROLLER

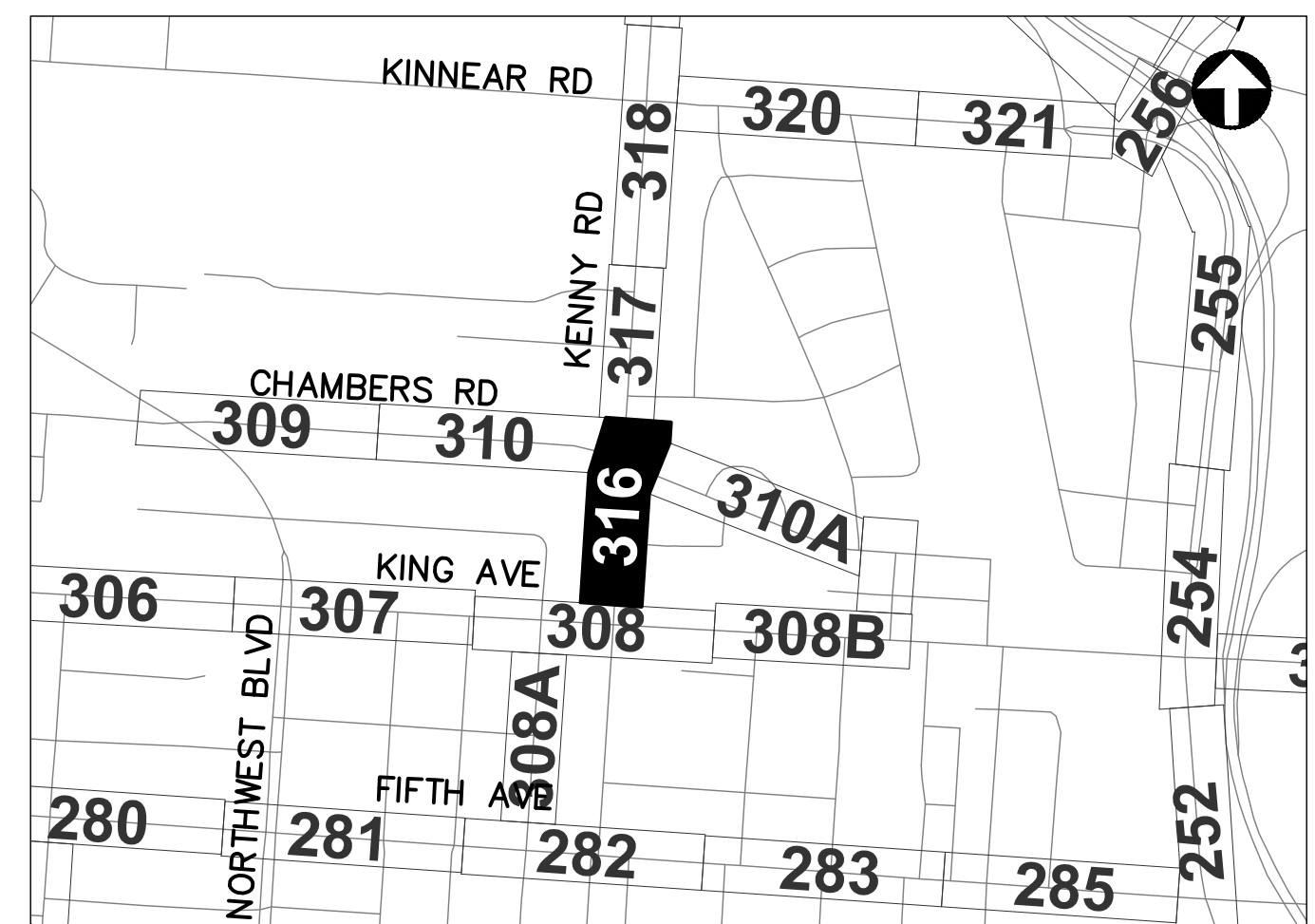
**NOTES:**

1. SEE SHEET 319 FOR QUANTITIES.
2. SEE SHEETS 670 & 750 FOR COMMUNICATION DETAILS.



**CITY OF COLUMBUS  
UTILITY LEGEND**

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
KENNY RD BETWEEN STA. 11+50 AND 20+00, INT SIG4045

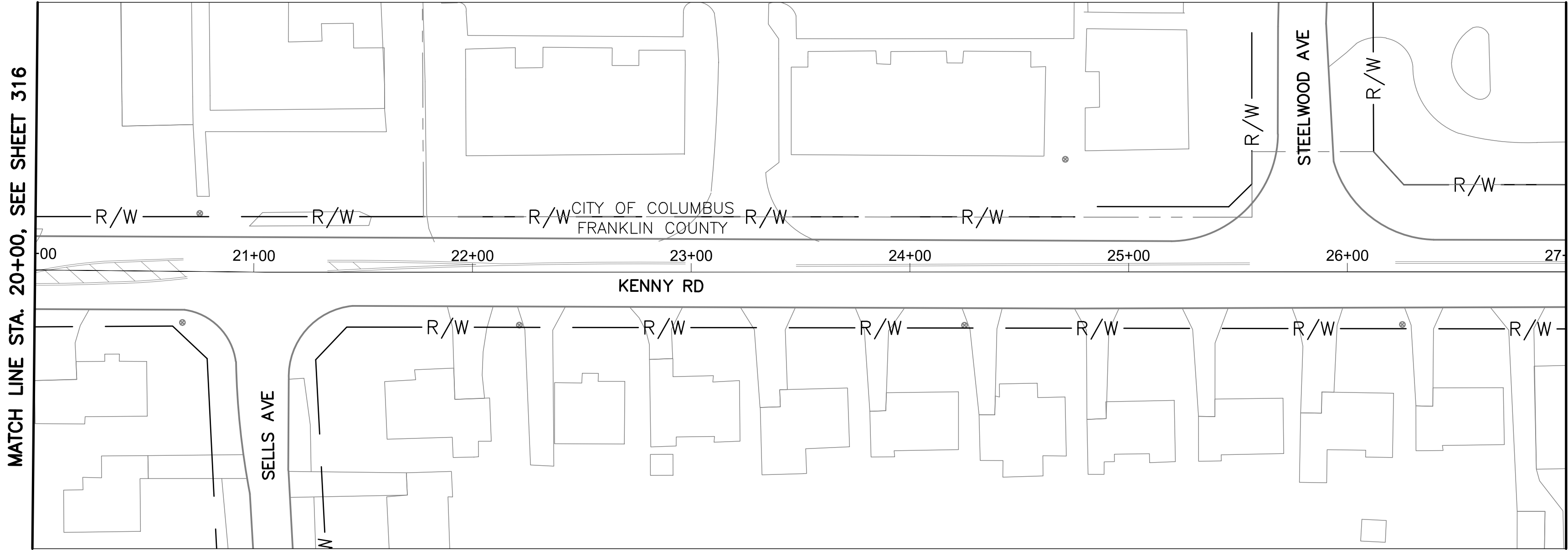
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

**316**  
**1000**

**3150-E**



J:\Jobs\60135\TECHPROD\Streets\CTSS\_PHD\_Trunk3\_KENNY\_INTERCONNECT.dwg — KENNY-2A layout — last saved by: skoganti 12/17/2018 05:36pm — printed: 03/18/2020 08:48pm



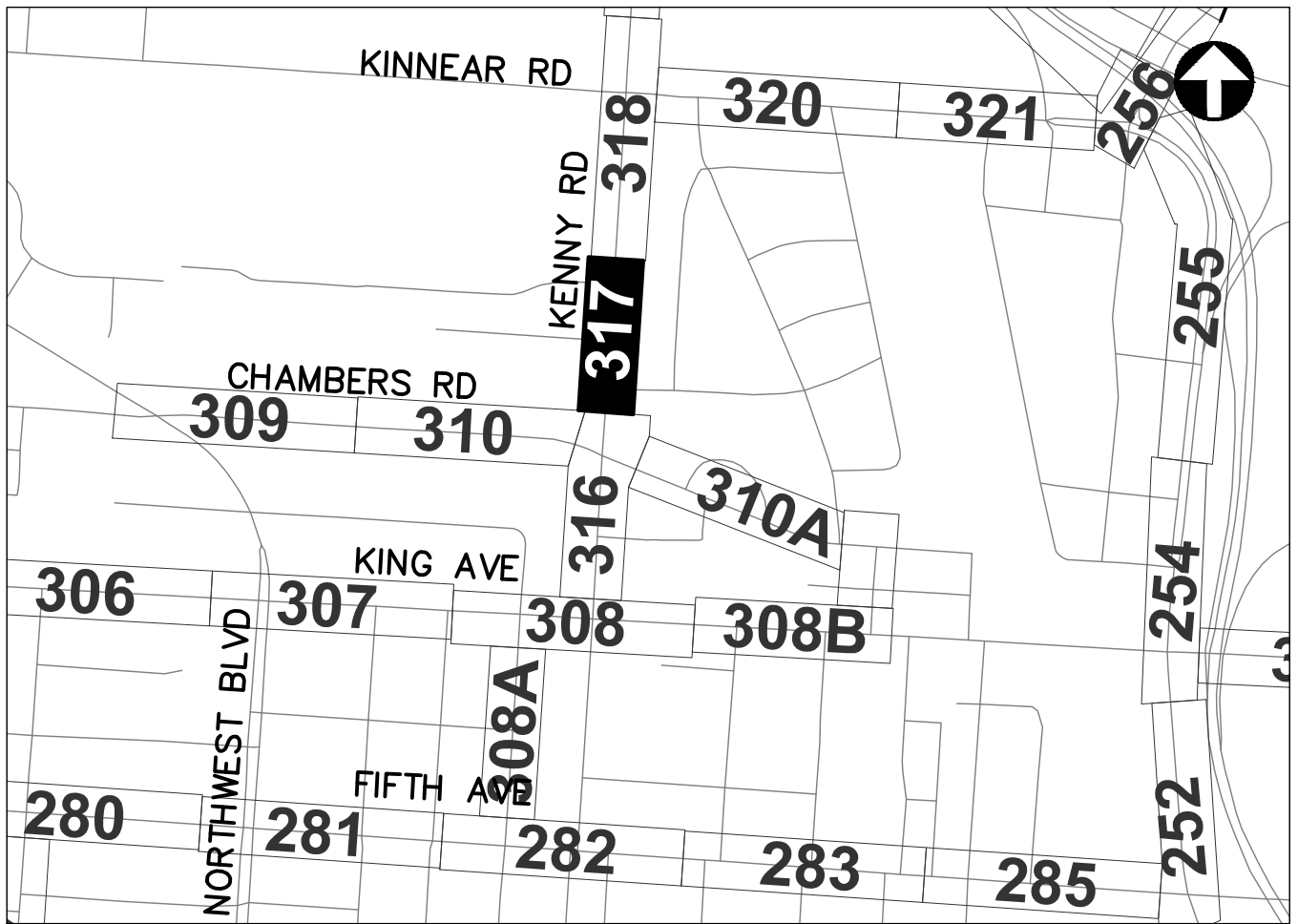
KENNY RD BETWEEN STATION 20+00 AND 27+00

NOTES:

1. SEE SHEET 670 FOR COMMUNICATION DETAILS
2. NO WORK ON THIS SHEET. FOR REFERENCE ONLY.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING

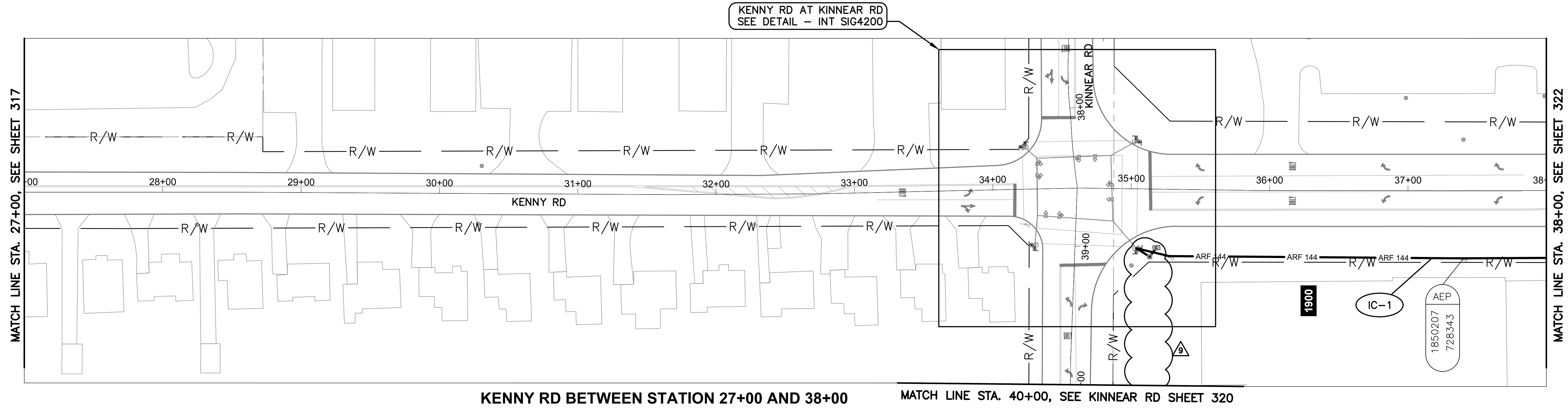


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

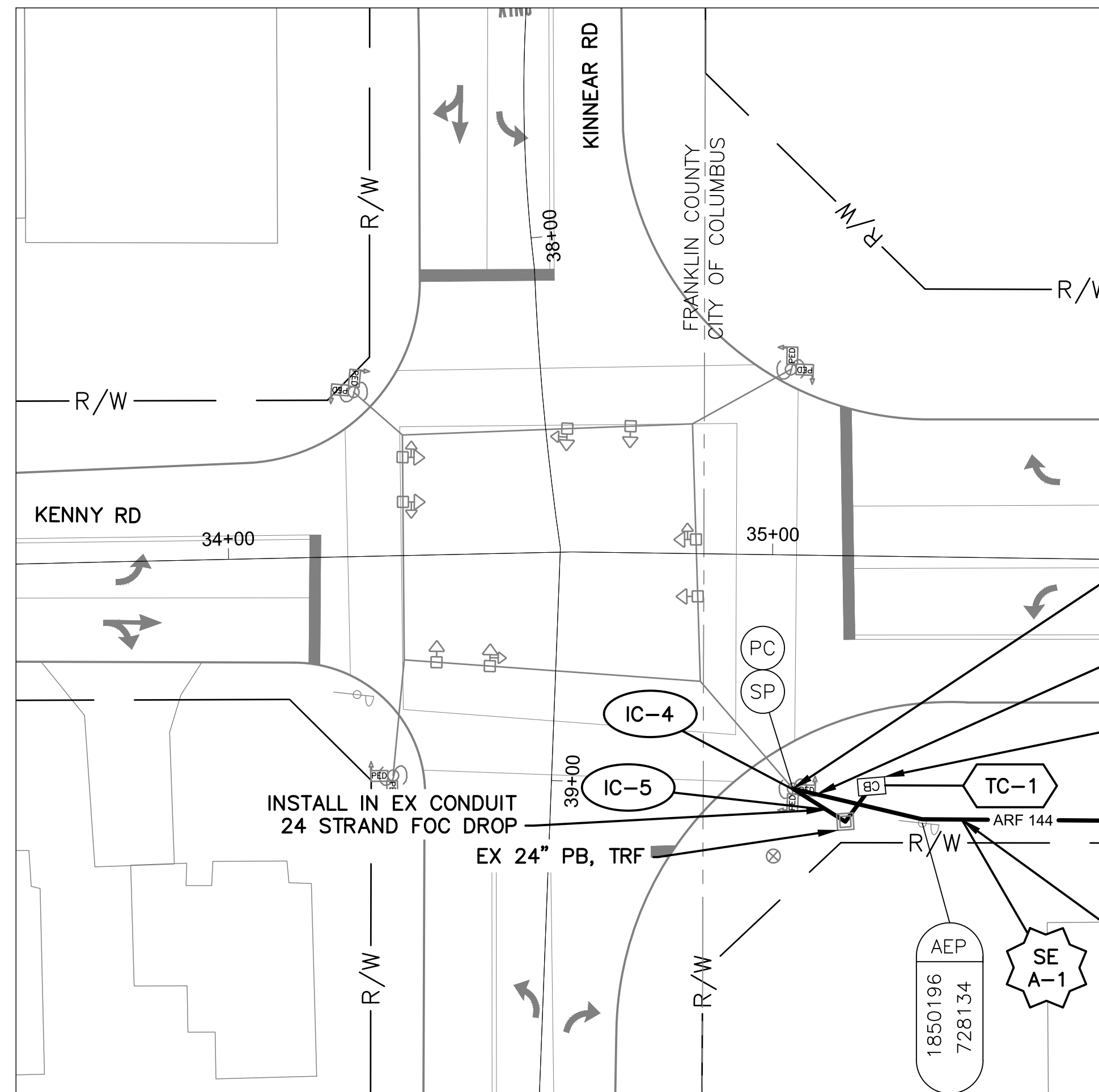


J:\Jobs\60135\TECHPROD\Sheets\CTSS\_PHD\_Trunk3\_KENNY\_INTERCONNECT.dwg -- KENNY-3 layout -- last saved by: skoganti 12/17/2018 05:30pm -- printed 03/18/2020 08:49pm

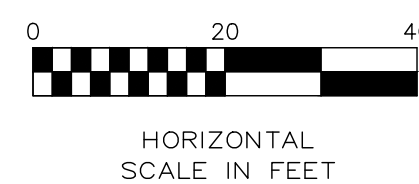
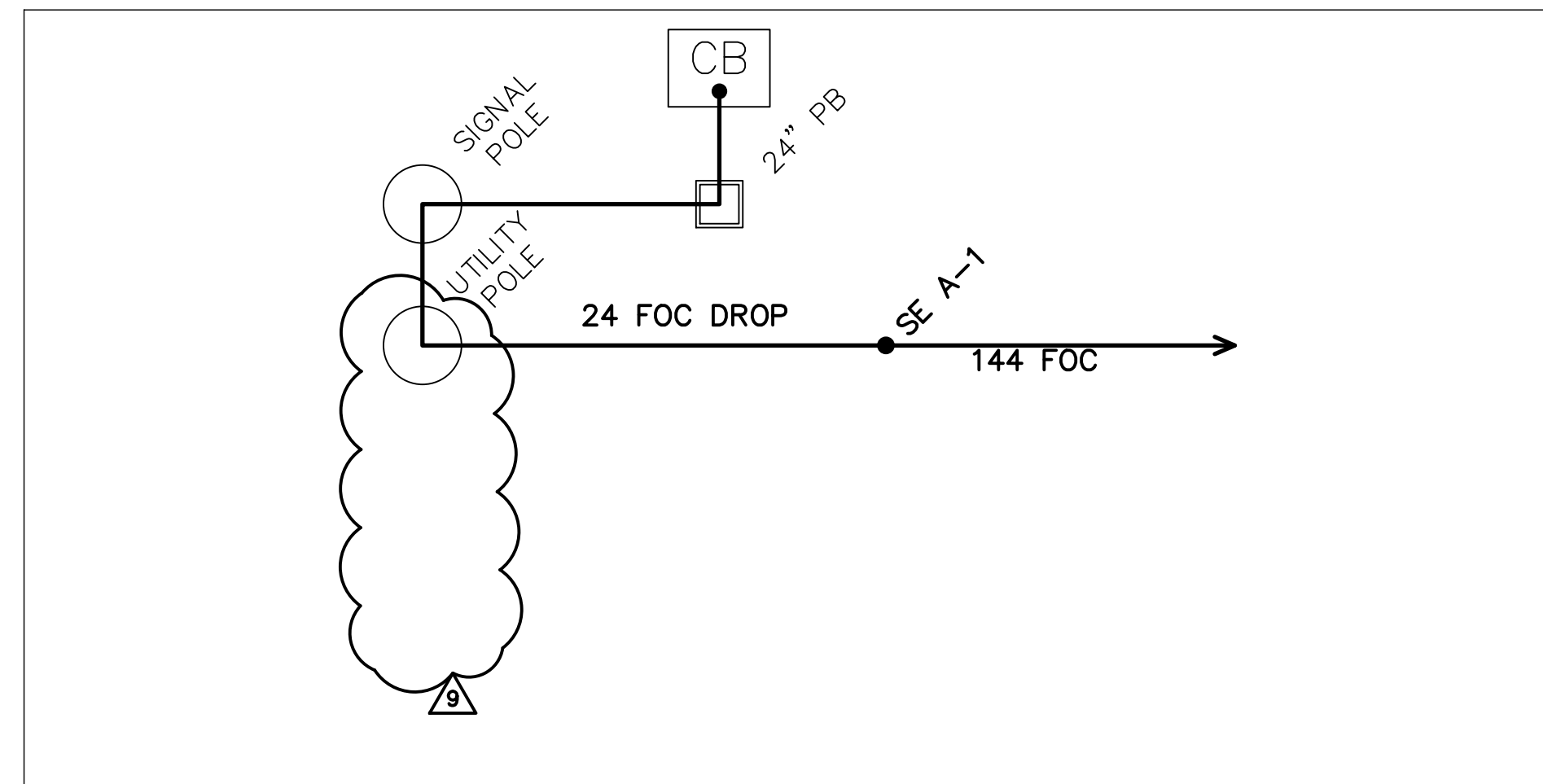


KENNY RD BETWEEN STATION 27+00 AND 38+00

MATCH LINE STA. 40+00, SEE KINNEAR RD SHEET 320



DETAIL - INT SIG4200



CABLE SCHEMATIC - INT SIG4200  
NOT TO SCALE

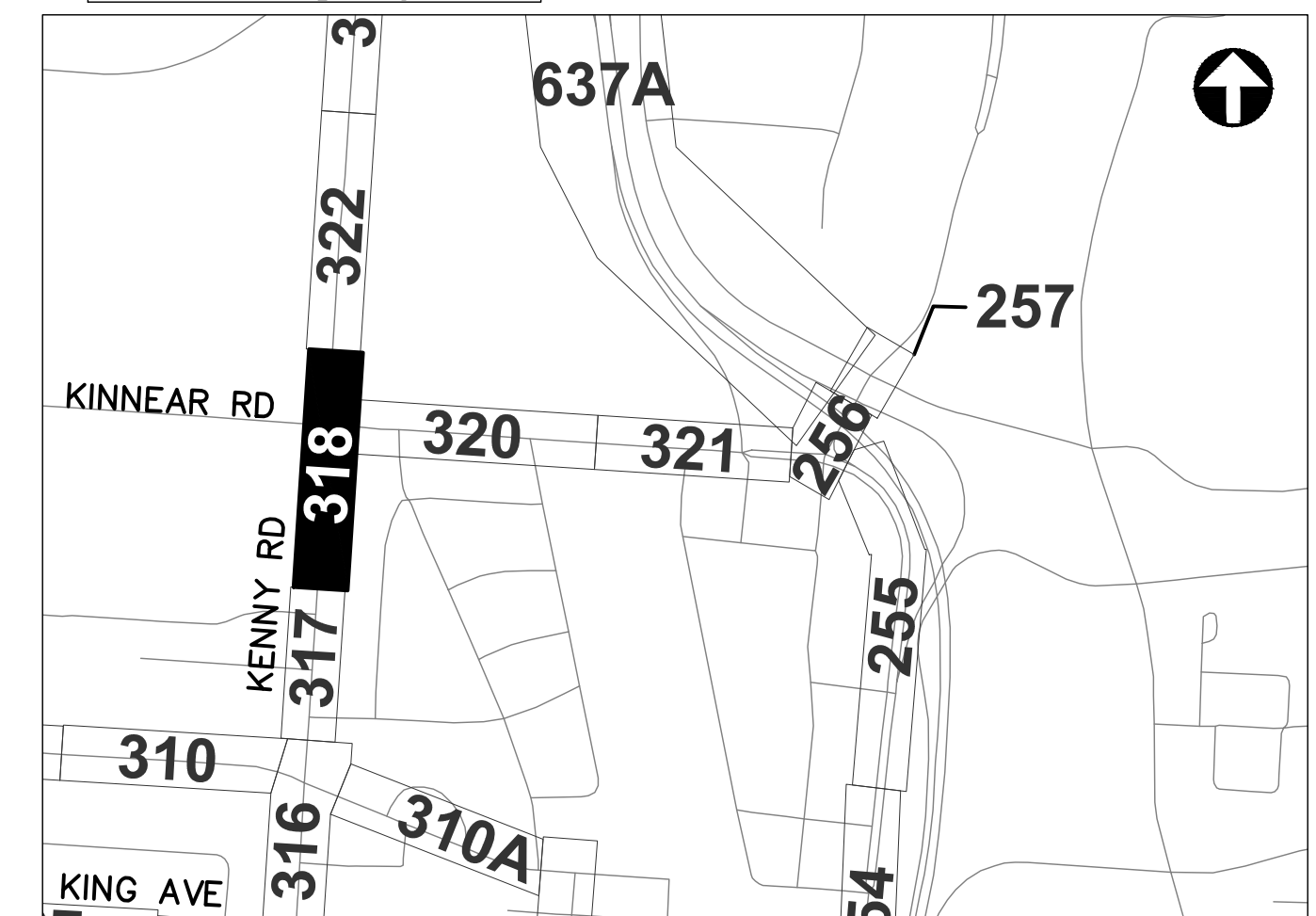
- INSTALL DROP CABLE TO CONTROL CABINET THROUGH EX RISER AND EX CONDUIT
- INSTALL AERIAL
- (1)-24 STRAND FOC DROP
- INSTALL IN EX CONTROL CABINET:
- (1)-LAYER 2 NETWORK SWITCH
- (2)-FO/ETHERNET TRANSCEIVER
- (1)-TERMINAL PORT SERVER
- AERIAL FOC SPLICE ENCLOSURE

NOTES:

1. SEE SHEET 319 FOR QUANTITIES.
2. SEE SHEETS 670 & 751 FOR COMMUNICATION DETAILS.



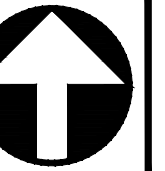
| CITY OF COLUMBUS UTILITY LEGEND     |          |
|-------------------------------------|----------|
| <input checked="" type="checkbox"/> | SEWER    |
| <input checked="" type="checkbox"/> | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input type="checkbox"/>            | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

REVISION 9.0  
12-17-2018  
**3150-E**



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
KENNY RD BETWEEN STA. 27+00 AND 38+00, INT SIG4200

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

**318**  
**1000**



J:\Jobs\60135\TCHPROD\Sheets\CTSS\PHD\_Trunk3\_KENNY\_IC\_QUANTITIES.dwg -- KENNY-01 layout -- last saved by: gburch 07/29/2016 03:20pm ~ printed 03/18/2020 08:49pm

| ESTIMATED QUANTITIES                                |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
|-----------------------------------------------------|---------------|----------|----------------|----------------|------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|---|---|---|---|---|---|---|--|
| SHEET NO.                                           | REFERENCE NO. | LOCATION | STATION        |                | 202                                      | 632                                                            | 632                                                        | 632                                                                       | 632                                                                | 632                                                                            | 632                                                                            | 632                                                                            | 633                                                                            | 633                                                   | 633                                                |   |   |   |   |   |   |   |  |
|                                                     |               |          |                |                | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER ITEM,<br>MISC.: TERMINAL PORT<br>SERVER |   |   |   |   |   |   |   |  |
|                                                     |               |          | FROM           | TO             | FT                                       | FT                                                             | EACH                                                       | FT                                                                        | EACH                                                               | EACH                                                                           | EACH                                                                           | FT                                                                             | EACH                                                                           | EACH                                                  | EACH                                               |   |   |   |   |   |   |   |  |
| KENNY RD. BETWEEN STA. 11+50 AND 20+00, INT SIG4045 |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 316                                                 | IC-1          | KENNY RD | 11+50, 21' RT  | 17+23, 27' RT  |                                          | 583                                                            |                                                            |                                                                           |                                                                    |                                                                                |                                                                                | 583                                                                            |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 316                                                 | IC-5          | KENNY RD | 17+23, 27' LT  | 17+90, 38' LT  |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 316                                                 | SE A-1        | KENNY RD | 17+23, 27' RT  |                |                                          | 225                                                            | 228                                                        |                                                                           | 1                                                                  |                                                                                |                                                                                | 2                                                                              |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 316                                                 | IC-3          | KENNY RD | 17+23, 27' RT  | 17+43, 33' RT  |                                          | 21                                                             |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 316                                                 | IC-2          | KENNY RD | 17+23, 27' RT  | 20+00, 25' RT  |                                          | 281                                                            |                                                            |                                                                           |                                                                    |                                                                                |                                                                                | 281                                                                            |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 316                                                 | IC-4          | KENNY RD | 17+43, 33' RT  | 18+16, 134' LT |                                          | 188                                                            |                                                            |                                                                           |                                                                    |                                                                                |                                                                                | 188                                                                            |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 316                                                 | IC-6          | KENNY RD | 17+82, 30' LT  | 17+90, 38' LT  | 17                                       |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 316                                                 | TC-1          | KENNY RD | 17+90, 38' LT  |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                | 3                                                                              | 1                                                     | 1                                                  |   |   |   |   |   |   |   |  |
| KENNY RD. BETWEEN STA. 20+00 AND 27+00              |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 317                                                 | IC-1          | KENNY RD | 20+00, 25' RT  | 27+00, 24' RT  |                                          | 711                                                            |                                                            |                                                                           |                                                                    |                                                                                |                                                                                | 711                                                                            |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 317                                                 | IC-2          | KENNY RD | 26+30, 24' RT  |                |                                          | 150                                                            |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| KENNY RD. BETWEEN STA. 27+00 AND 38+00, INT SIG4200 |               |          |                |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 318                                                 | IC-1          | KENNY RD | 27+00, 24' RT  | 35+18, 49' RT  |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 318                                                 | IC-3          | KENNY RD | 34+41, 143' RT | 35+28, 49' RT  |                                          | 131                                                            |                                                            | 129                                                                       |                                                                    |                                                                                |                                                                                | 131                                                                            |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 318                                                 | IC-4          | KENNY RD | 35+18, 42' RT  | 35+28, 49' RT  |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                | 2                                                                              |                                                                                |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 318                                                 | IC-5          | KENNY RD | 35+18, 43' RT  | 35+28, 49' RT  |                                          | 24                                                             |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 318                                                 | TC-1          | KENNY RD | 35+18, 42' RT  |                |                                          |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                                | 1                                                     | 1                                                  |   |   |   |   |   |   |   |  |
| 318                                                 | SE A-1        | KENNY RD | 35+18, 49' RT  |                |                                          | 25                                                             | 228                                                        |                                                                           |                                                                    |                                                                                |                                                                                |                                                                                |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| 318                                                 | IC-2          | KENNY RD | 35+28, 49' RT  | 38+00, 50' RT  |                                          | 276                                                            |                                                            | 212                                                                       |                                                                    |                                                                                |                                                                                | 276                                                                            |                                                                                |                                                       |                                                    |   |   |   |   |   |   |   |  |
| SHEET TOTAL                                         |               |          |                |                | 41                                       | 3,632                                                          | 456                                                        | 401                                                                       | 2                                                                  | 2                                                                              | 2                                                                              | 3,011                                                                          | 5                                                                              | 2                                                     | 2                                                  | - | - | - | - | - | - | - |  |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

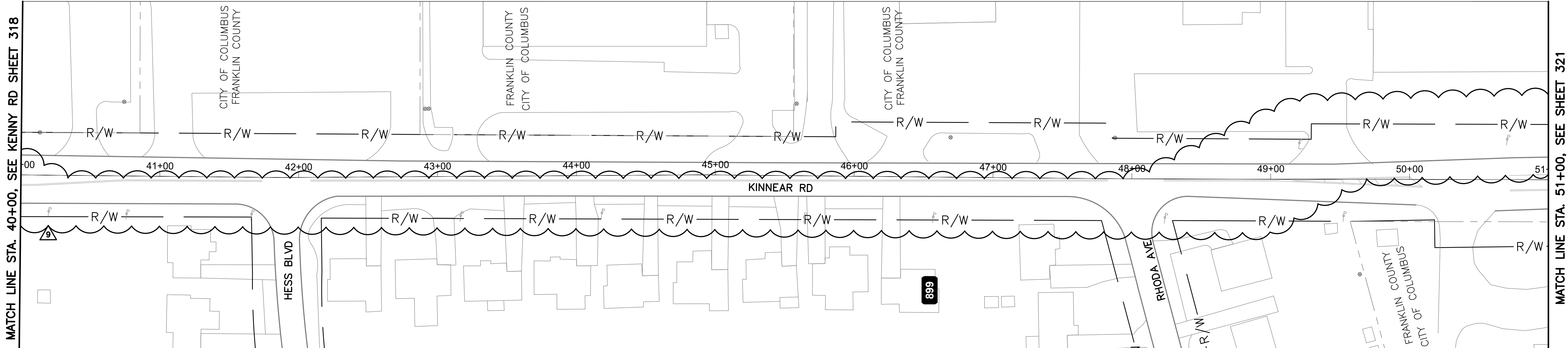
CIP: 540007-100006  
PID NUMBER: 82573

KENNY RD BETWEEN STA. 11+50 & 38+00  
INTS SIG4045, SIG4200

319  
1000



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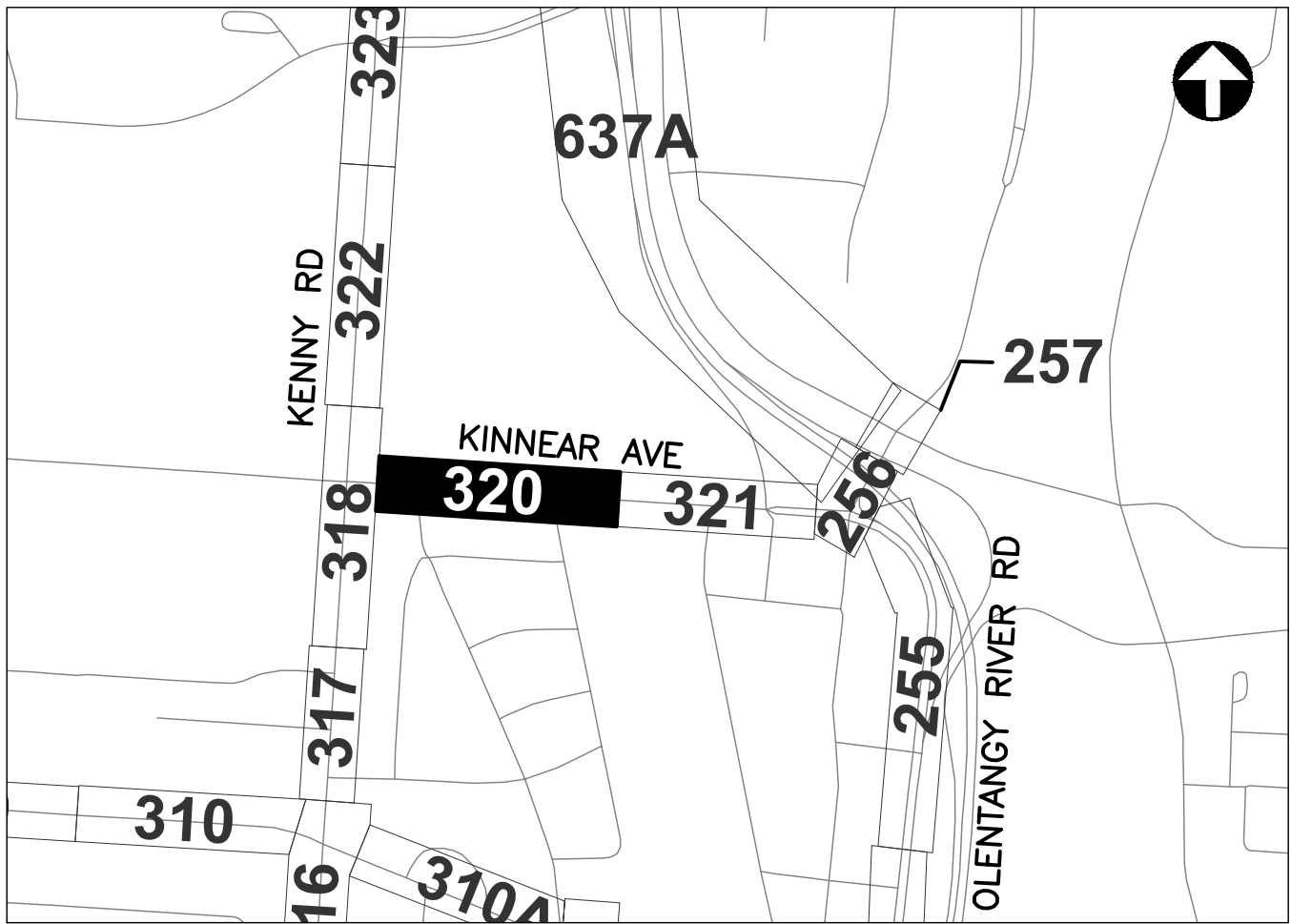


KINNEAR RD BETWEEN STATION 40+00 AND 51+00

**NOTES:**  
1. NO WORK IS PERFORMED ON THIS SHEET.

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SERVICE  
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www.oups.org

- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

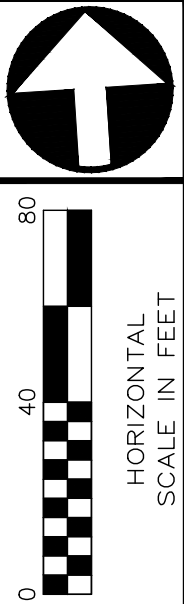
**KEY PLAN**  
NOT TO SCALE

REVISION 9.0  
12-17-2018  
**3150-E**

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

INTERCONNECT PLAN  
KINNEAR RD BETWEEN STA. 40+00 AND 51+00

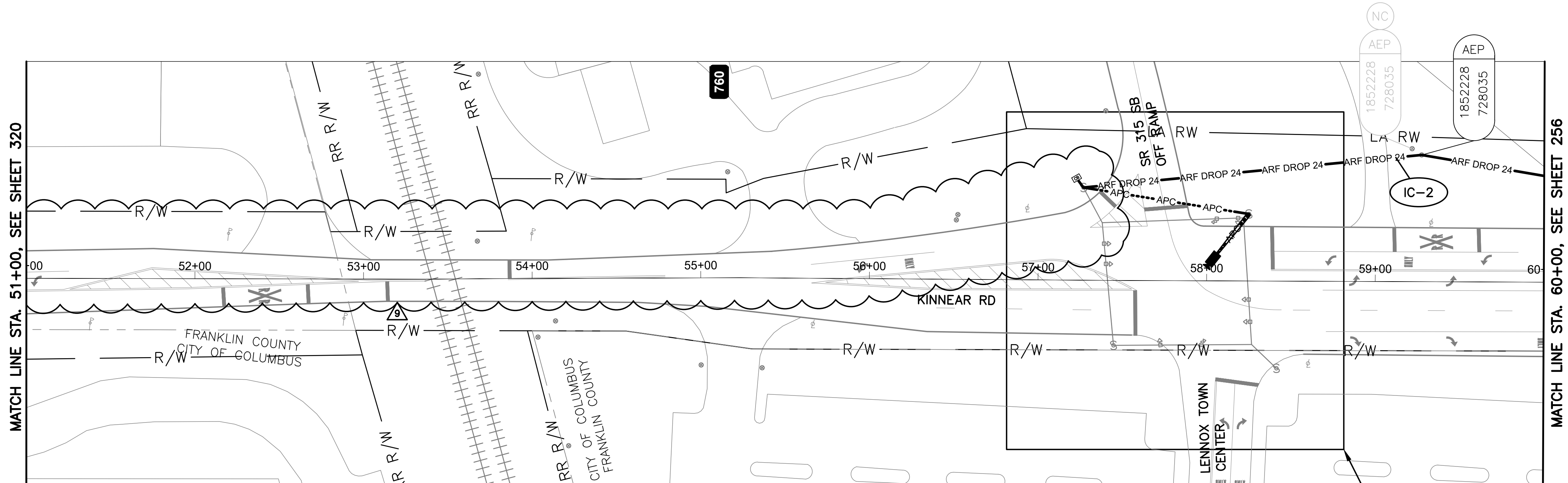
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PID NUMBER: 82573



**320**  
**1000**



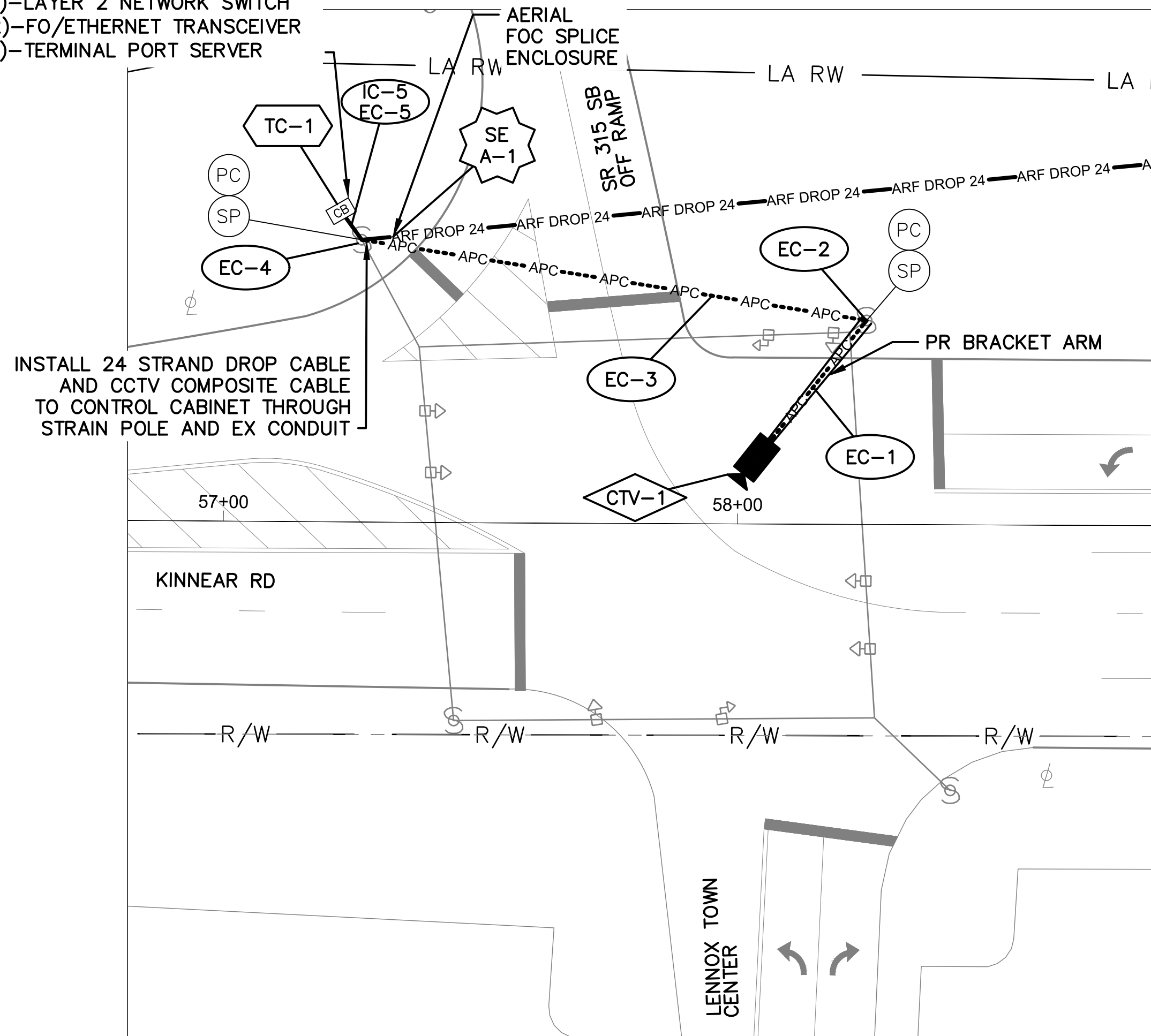
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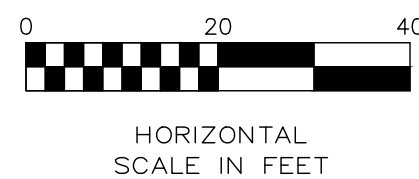
KINNEAR RD BETWEEN STATION 51+00 AND 60+00

KINNEAR RD AT SR 315 SB RAMPS  
SEE DETAIL - INT 4196

INSTALL IN EX CONTROL CABINET:  
(1)-LAYER 2 NETWORK SWITCH  
(2)-FO/ETHERNET TRANSCEIVER  
(1)-TERMINAL PORT SERVER



DETAIL - INT 4196

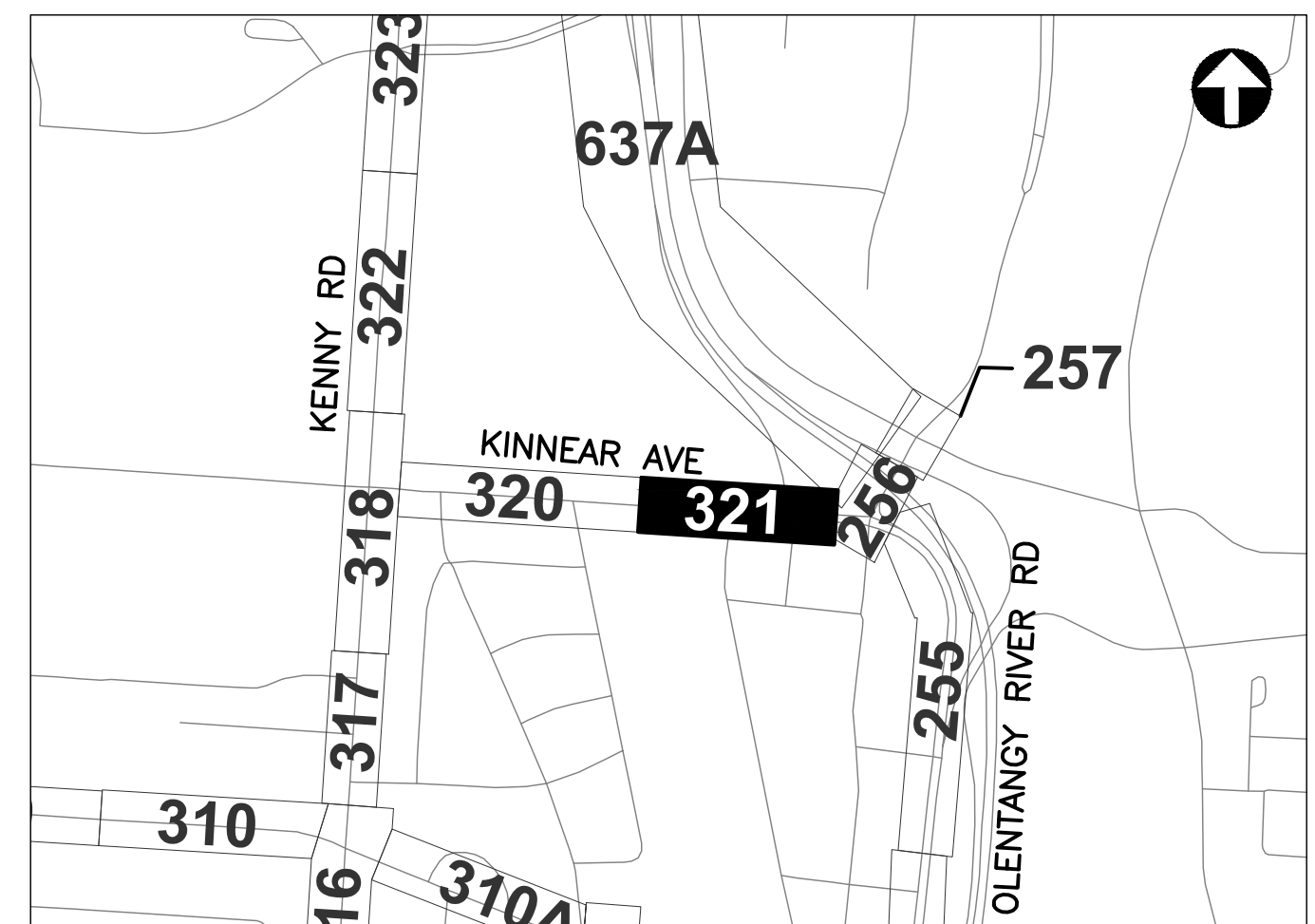


NOTES:

1. SEE SHEET 325 FOR QUANTITIES.
2. SEE SHEETS 670 & 753 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
4. RAILROAD CROSSING AT STA. 53+37, 30' LT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.



| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

REVISION 9.0  
12-17-2018

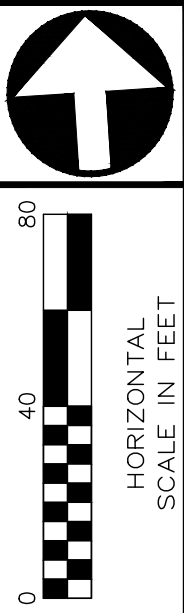
3150-E

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

321  
1000

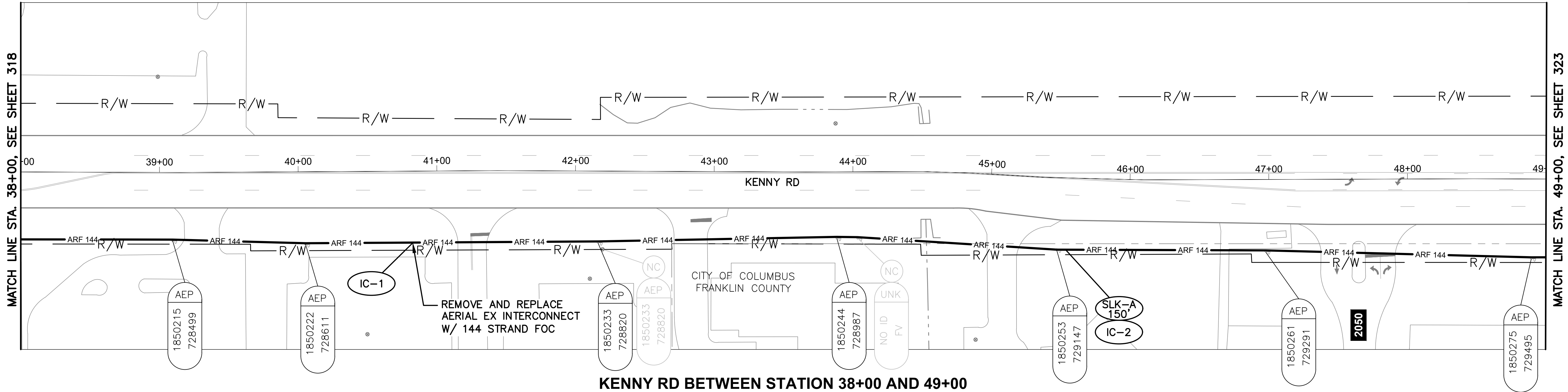
INTERCONNECT PLAN  
KINNEAR RD BETWEEN STA. 51+00 AND 60+00, INT 4196

CIP: 540007-100006  
PID NUMBER: 82573





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KENNY RD BETWEEN STATION 38+00 AND 49+00

NOTES:

1. SEE SHEET 325 FOR QUANTITIES.
2. SEE SHEET 670 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING

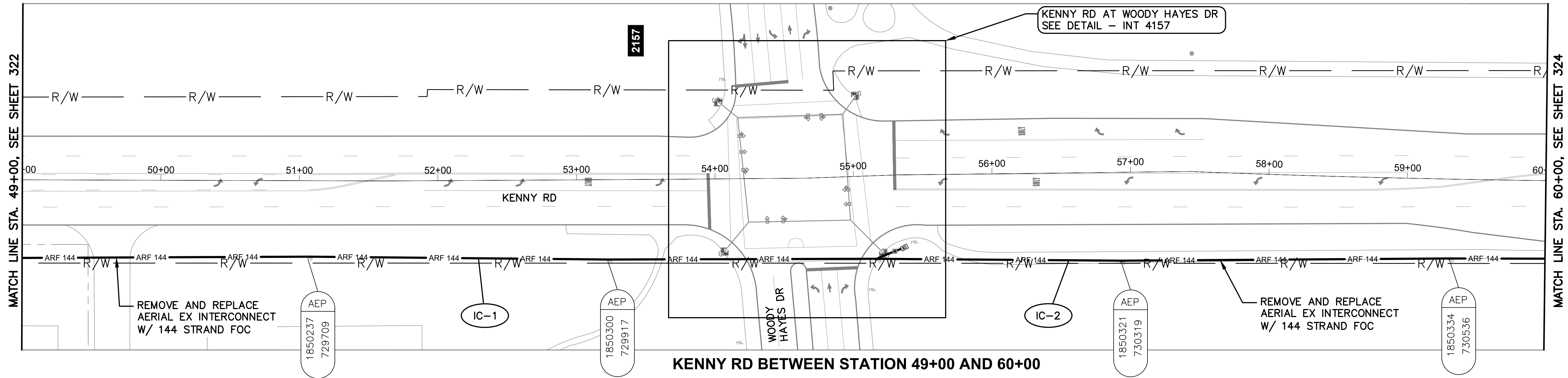
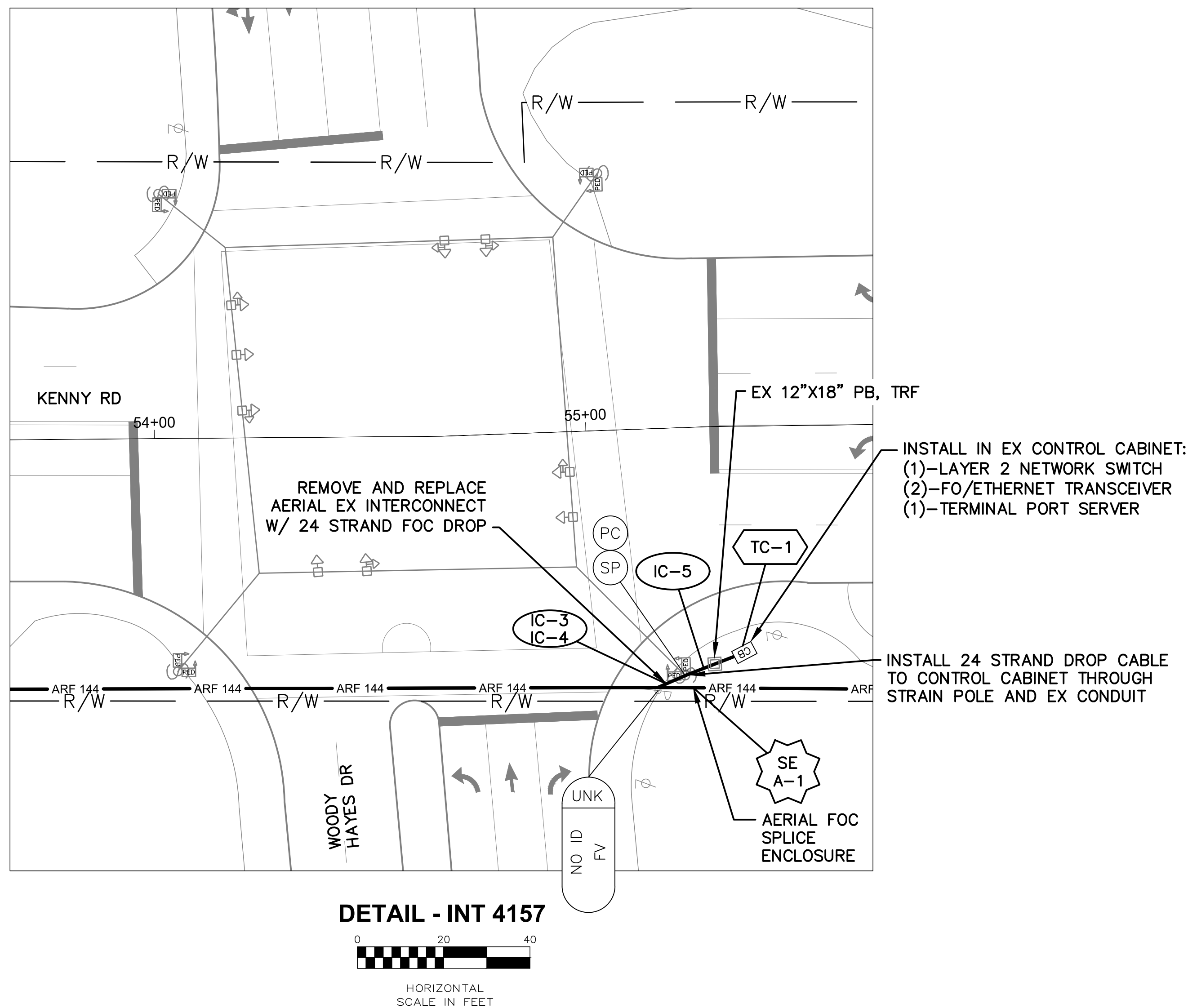


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



J:\Jobs\60135\TechProd\Streets\CTSS\_PHD\_Trunk3\_KENNY\_INTERCONNECT.dwg — KENNY-5 layout ~ last saved by: skoganti 12/17/2018 05:30pm ~ printed 03/18/2020 08:54pm

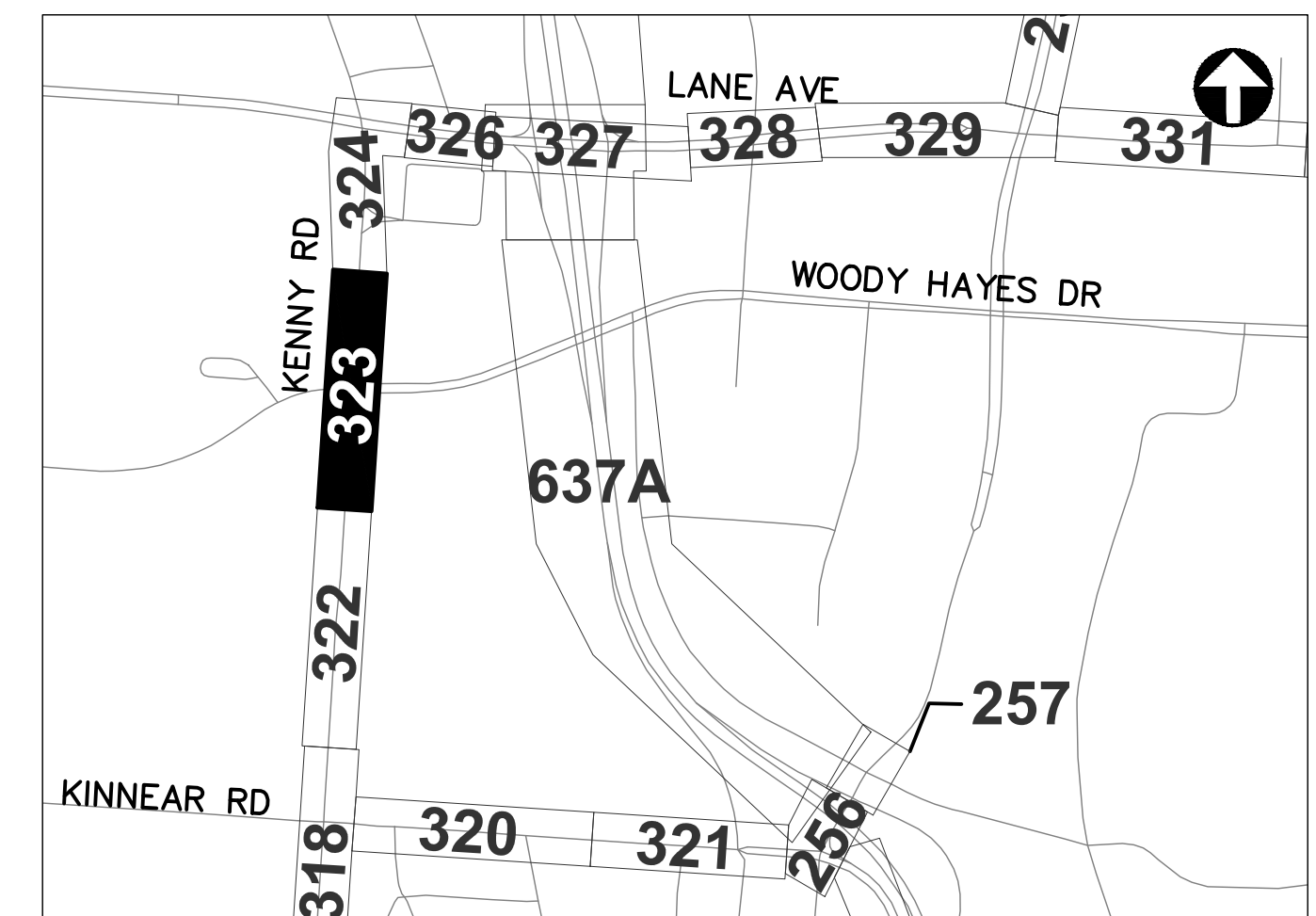


**NOTES:**

1. SEE SHEET 325 FOR QUANTITIES.
2. SEE SHEETS 670 & 752 FOR COMMUNICATION DETAILS.
3. RESOLUTION NUMBER 0745-03, PASSED AUGUST 07, 2003 PROVIDES INGRESS/EGRESS TO OSU PROPERTY.

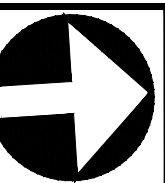


| CITY OF COLUMBUS<br>UTILITY LEGEND |          |
|------------------------------------|----------|
| <input type="checkbox"/>           | SEWER    |
| <input type="checkbox"/>           | WATER    |
| <input type="checkbox"/>           | POWER    |
| <input type="checkbox"/>           | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
KENNY RD BETWEEN STA. 49+00 AND 60+00, INT 4157

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

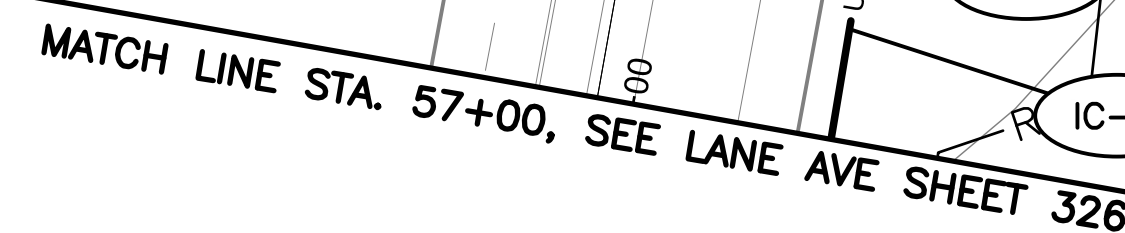
**323**  
**1000**

**3150-E**





KEY PLAN  
NOT TO SCALE



**324**  
**1000**



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| ESTIMATED QUANTITIES                               |               |            |               |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
|----------------------------------------------------|---------------|------------|---------------|----------------|------------------------------------------|----------------------------------|----------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|------|---|---|---|---|---|
| SHEET NO.                                          | REFERENCE NO. | LOCATION   | STATION       |                | 202                                      | 625                              | 632                                                            | 632                                                       | 632                                                                       | 632                                                              | 632                                                                            | 632                                                                            | 632                                           | 632                                            | 633                                                                            | 633                                                   | 633                                                |      |   |   |   |   |   |
|                                                    |               |            |               |                | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | BRACKET ARM, 30', AS<br>PER PLAN | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPICE | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT | INTERCONNECT, MISC.:<br>SPICE ENCLOSURE,<br>CLAMSHELL, 288 SPICE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | SIGNALIZATION, MISC.:<br>CCTV COMPOSITE CABLE | SIGNALIZATION, MISC.:<br>CCTV IP-CAMERA SYSTEM | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER ITEM,<br>MISC.: TERMINAL PORT<br>SERVER |      |   |   |   |   |   |
|                                                    |               |            | FROM          | TO             | FT                                       | EACH                             | FT                                                             | EACH                                                      | FT                                                                        | EACH                                                             | FT                                                                             | EACH                                                                           | FT                                            | FT                                             | EACH                                                                           | EACH                                                  | EACH                                               | EACH |   |   |   |   |   |
| KINNEAR RD. BETWEEN STA. 40+00 AND 51+00           |               |            |               |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 320                                                | IC-1          | KINNEAR RD | 40+00, 13' RT | 51+00, 29' LT  |                                          |                                  | 1,136                                                          |                                                           | 1,119                                                                     |                                                                  |                                                                                | 1,136                                                                          |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| KINNEAR RD. BETWEEN STA. 51+00 AND 60+00, INT 4196 |               |            |               |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 321                                                | IC-1          | KINNEAR RD | 51+00, 29' LT | 57+26, 55' LT  |                                          |                                  | 637                                                            |                                                           | 628                                                                       |                                                                  |                                                                                | 637                                                                            |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 321                                                | IC-3          | KINNEAR RD | 52+11, 29' LT |                |                                          |                                  | 150                                                            |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 321                                                | IC-4          | KINNEAR RD | 54+04, 30' LT |                |                                          |                                  | 150                                                            |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 321                                                | TC-1          | KINNEAR RD | 57+22, 60' LT |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                | 10                                            |                                                | 2                                                                              | 1                                                     | 1                                                  |      |   |   |   |   |   |
| 321                                                | IC-5          | KINNEAR RD | 57+22, 60' LT | 57+26, 55' LT  | 12                                       |                                  |                                                                |                                                           |                                                                           |                                                                  | 1                                                                              |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 321                                                | EC-5          | KINNEAR RD | 57+22, 60' LT | 57+26, 55' LT  |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                | 12                                            |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 321                                                | SE A-1        | KINNEAR RD | 57+26, 55' LT |                |                                          |                                  | 150                                                            | 24                                                        |                                                                           | 1                                                                |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 321                                                | EC-4          | KINNEAR RD | 57+26, 55' LT |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                | 35                                            |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 321                                                | EC-3          | KINNEAR RD | 57+26, 55' LT | 58+22, 40' LT  |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                | 100                                                                            |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 321                                                | IC-2          | KINNEAR RD | 57+26, 55' LT | 60+00, 63' LT  |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                | 230                                                                            |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 321                                                | CTV-1         | KINNEAR RD | 58+06, 16' LT |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               | 1                                              |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 321                                                | EC-1          | KINNEAR RD | 58+06, 16' LT | 58+25, 40' LT  |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                | 30                                            |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 321                                                | EC-2          | KINNEAR RD | 58+25, 40' LT |                | 1                                        |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| KENNY RD. BETWEEN STA. 38+00 AND 49+00, INT 4157   |               |            |               |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 322                                                | IC-1          | KENNY RD   | 38+00, 50' RT | 49+00, 61' RT  |                                          |                                  | 1,117                                                          |                                                           | 1,100                                                                     |                                                                  |                                                                                | 1,117                                                                          |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 322                                                | IC-2          | KENNY RD   | 45+55, 55' RT |                |                                          |                                  | 150                                                            |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| KENNY RD. BETWEEN STA. 49+00 AND 60+00, INT 4157   |               |            |               |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 323                                                | IC-1          | KENNY RD   | 49+00, 51' RT | 55+14, 6' RT   |                                          |                                  | 616                                                            |                                                           | 616                                                                       |                                                                  |                                                                                | 616                                                                            |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 323                                                | SE A-1        | KENNY RD   | 55+14, 6' RT  |                |                                          |                                  | 100                                                            |                                                           |                                                                           | 1                                                                |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 323                                                | IC-3          | KENNY RD   | 55+14, 63' RT | 55+21, 57' RT  |                                          |                                  |                                                                |                                                           | 9                                                                         |                                                                  |                                                                                | 9                                                                              |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 323                                                | IC-2          | KENNY RD   | 55+14, 63' RT | 60+00, 57' RT  |                                          |                                  | 490                                                            |                                                           | 483                                                                       |                                                                  |                                                                                | 490                                                                            |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 323                                                | IC-4          | KENNY RD   | 55+14, 63' RT | 60+00, 57' RT  |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 323                                                | IC-5          | KENNY RD   | 55+21, 57' RT | 55+36, 5' RT   |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 323                                                | TC-1          | KENNY RD   | 55+36, 5' RT  |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                | 2                                                                              | 1                                                     | 1                                                  |      |   |   |   |   |   |
| KENNY RD. BETWEEN STA. 60+00 AND 68+00, INT 4158   |               |            |               |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | IC-1          | KENNY RD   | 60+00, 57' RT | 67+47, 60' RT  |                                          |                                  | 779                                                            |                                                           | 767                                                                       |                                                                  |                                                                                | 779                                                                            |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | EC-1          | KENNY RD   | 66+01, 54' RT | 66+01, 32' RT  |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                | 30                                            |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | EC-4          | KENNY RD   | 66+01, 54' RT | 67+47, 60' RT  |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                | 135                                           |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | EC-2          | KENNY RD   | 66+01, 54' RT |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | CTV-1         | KENNY RD   | 66+21, 32' RT |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               | 1                                              |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | IC-5          | LANE AVE   | 56+04, 49' LT |                |                                          |                                  | 100                                                            |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | IC-2          | LANE AVE   | 56+05, 99' LT | 67+18, 141' RT |                                          |                                  | 89                                                             |                                                           | 88                                                                        |                                                                  |                                                                                | 89                                                                             |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | IC-3          | LANE AVE   | 56+05, 99' LT |                |                                          |                                  | 35                                                             |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | IC-4          | LANE AVE   | 56+05, 99' LT | 57+00, 61' LT  | 140                                      |                                  | 140                                                            |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | EC-5          | KENNY RD   | 67+24, 52' RT |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                | 35                                            |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | EC-6          | KENNY RD   | 67+24, 52' RT | 67+24, 60' RT  |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                | 16                                            |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | IC-7          | KENNY RD   | 67+24, 52' RT | 67+24, 60' RT  | 16                                       |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | IC-6          | KENNY RD   | 67+24, 60' RT | 67+47, 60' RT  |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  | 1                                                                              |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| 324                                                | TC-1          | KENNY RD   | 67+24, 60' RT |                |                                          |                                  |                                                                |                                                           |                                                                           |                                                                  |                                                                                |                                                                                |                                               |                                                | 2                                                                              | 1                                                     | 1                                                  |      |   |   |   |   |   |
| 324                                                | SE A-1        | KENNY RD   | 67+47, 60' RT |                |                                          |                                  | 150                                                            | 24                                                        |                                                                           | 1                                                                |                                                                                |                                                                                |                                               |                                                |                                                                                |                                                       |                                                    |      |   |   |   |   |   |
| SHEET TOTAL                                        |               |            |               |                | 188                                      | 2                                | 6,327                                                          | 72                                                        | 5,085                                                                     | 3                                                                | 3                                                                              | 5,261                                                                          | 403                                           | 2                                              | 6                                                                              | 3                                                     | 3                                                  | -    | - | - | - | - | - |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

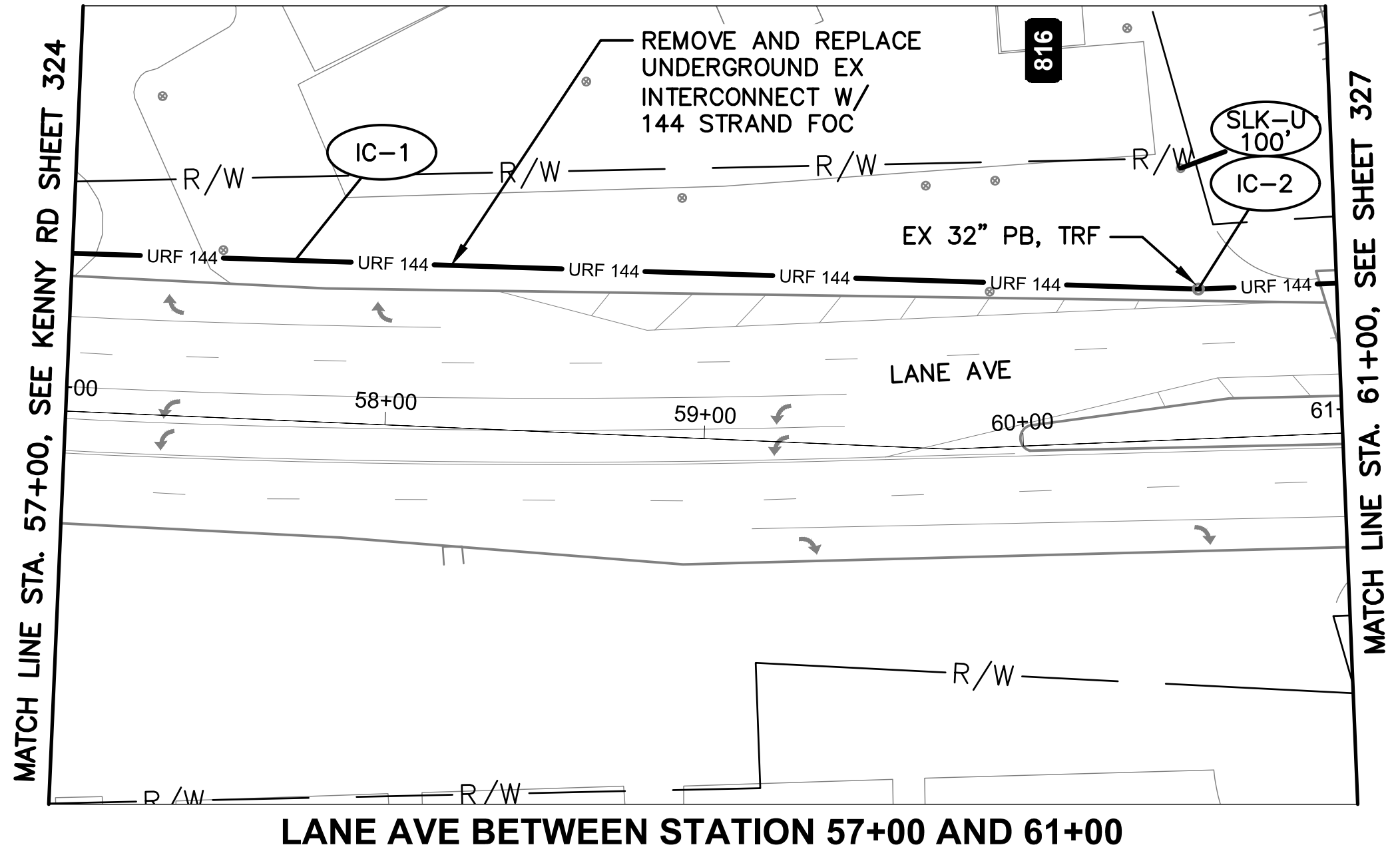
KINNEAR RD BETWEEN STA. 40+00 & 60+00  
KENNY RD BTW STA. 38+00 & 68+00, INTS 4196, 4157, 4158

CIP: 540007-100006  
PID NUMBER: 82573

325  
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LANE AVE BETWEEN STATION 57+00 AND 61+00

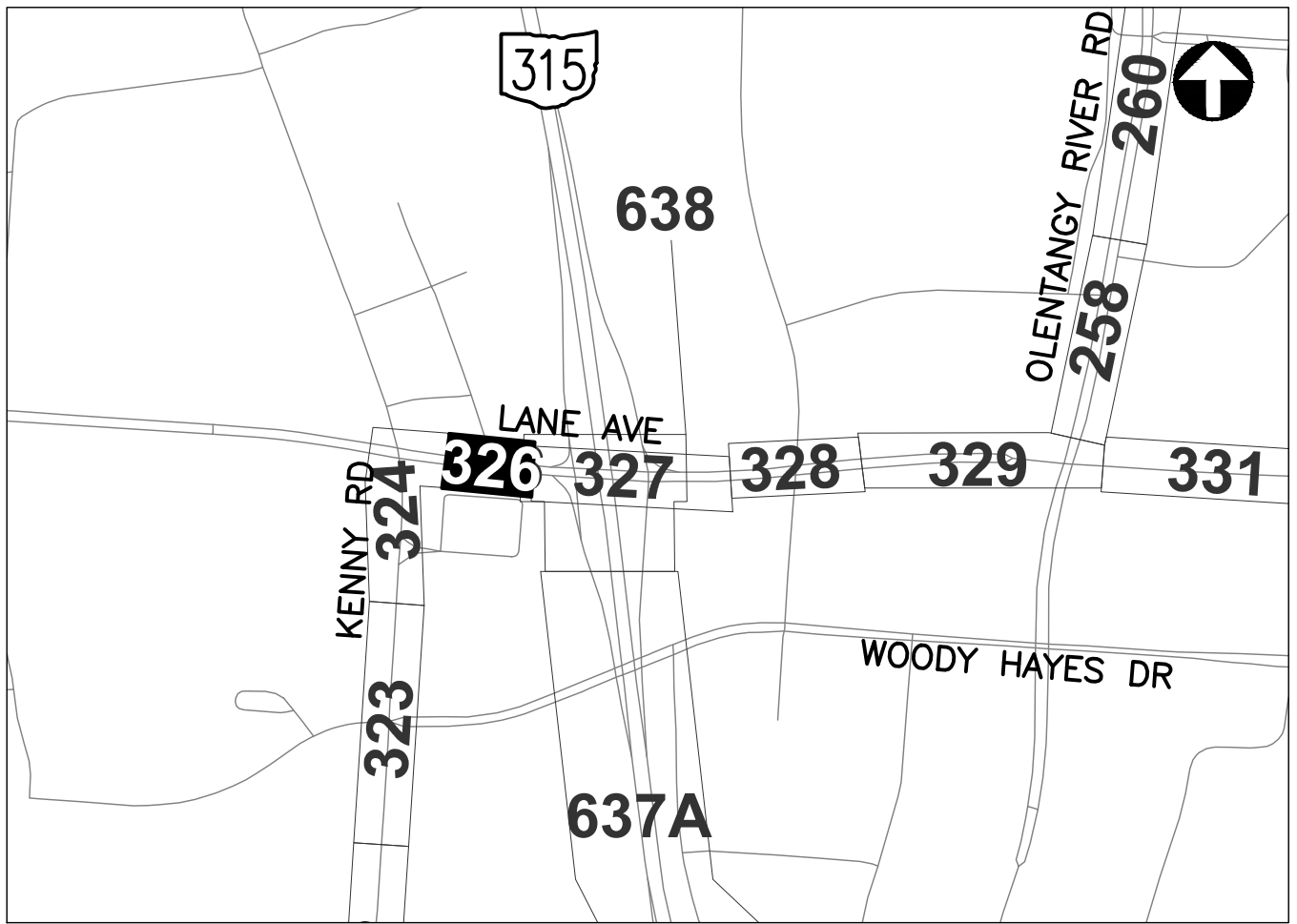
NOTES:

1. SEE SHEET 330 FOR QUANTITIES.
2. SEE SHEET 670 FOR COMMUNICATION DETAILS.

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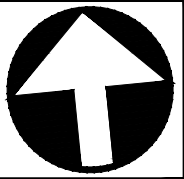
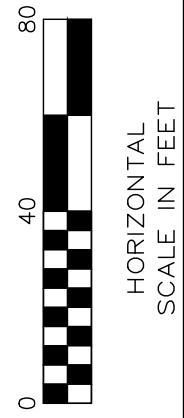
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  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE



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PID NUMBER: 82573

INTERCONNECT PLAN  
LANE AVE BETWEEN STA. 57+00 AND 61+00

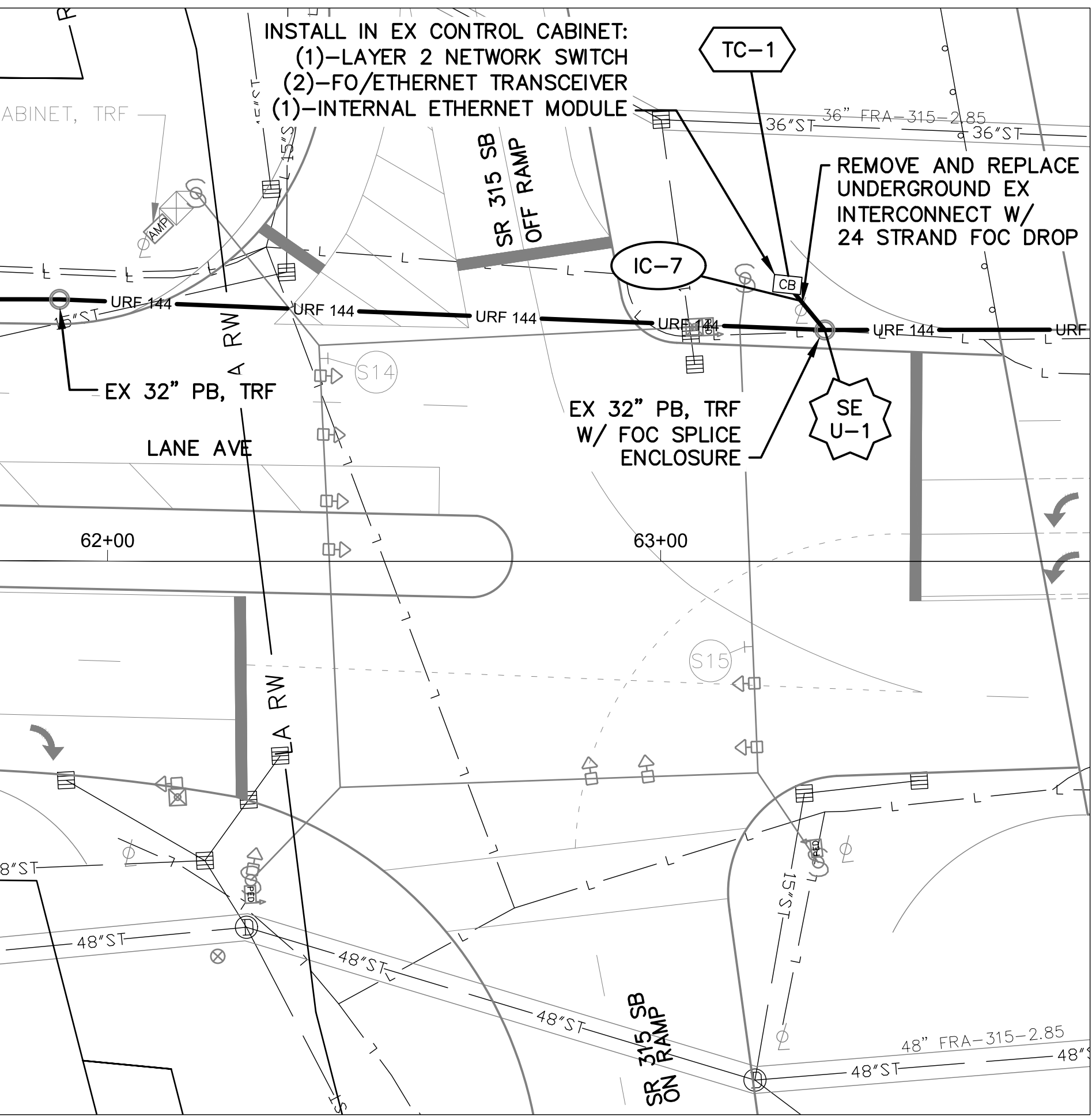
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

326  
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3150-E

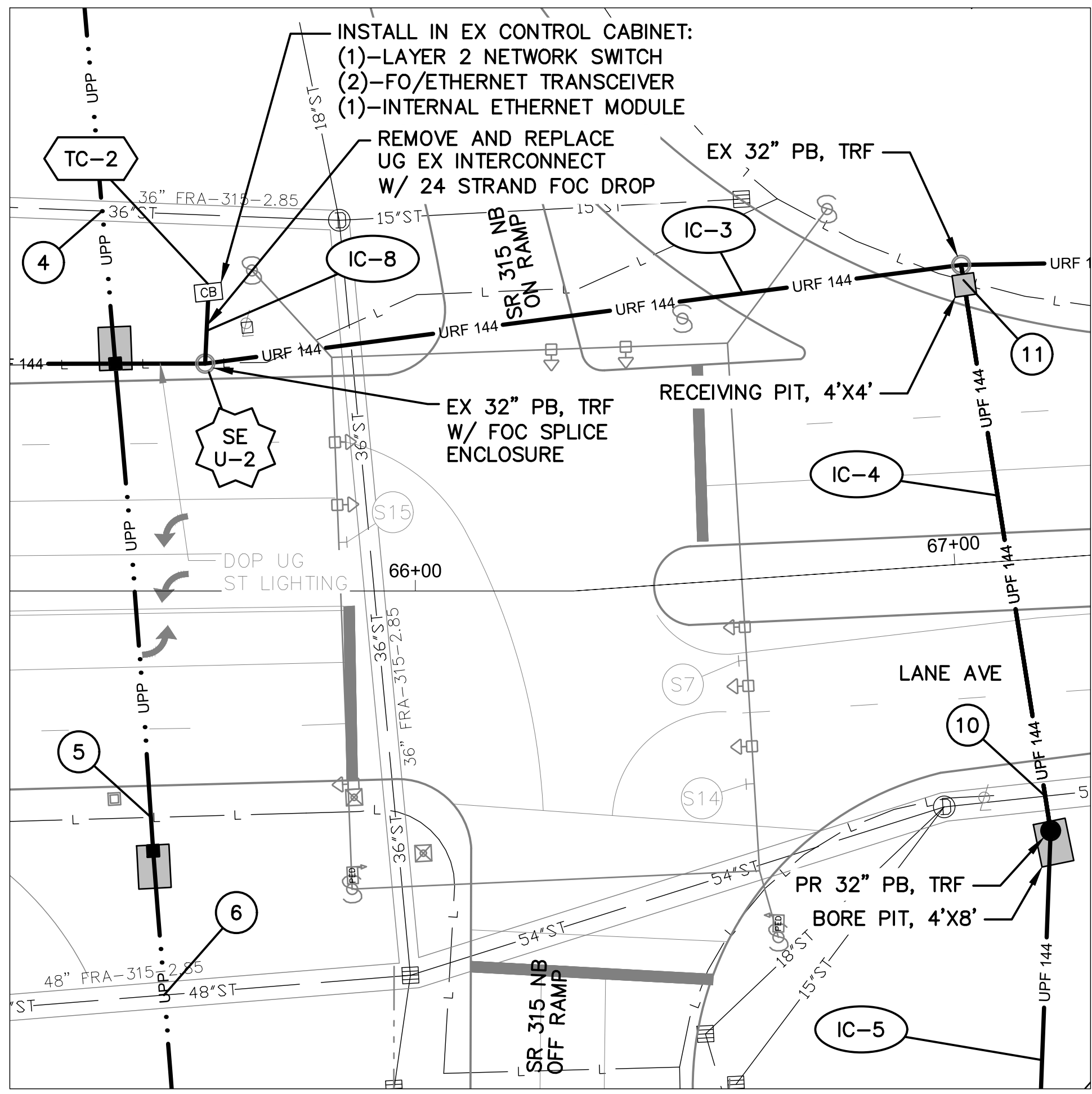


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DETAIL A - INT 4159

0 20 40  
HORIZONTAL SCALE IN FEET



DETAIL B - INT 4160

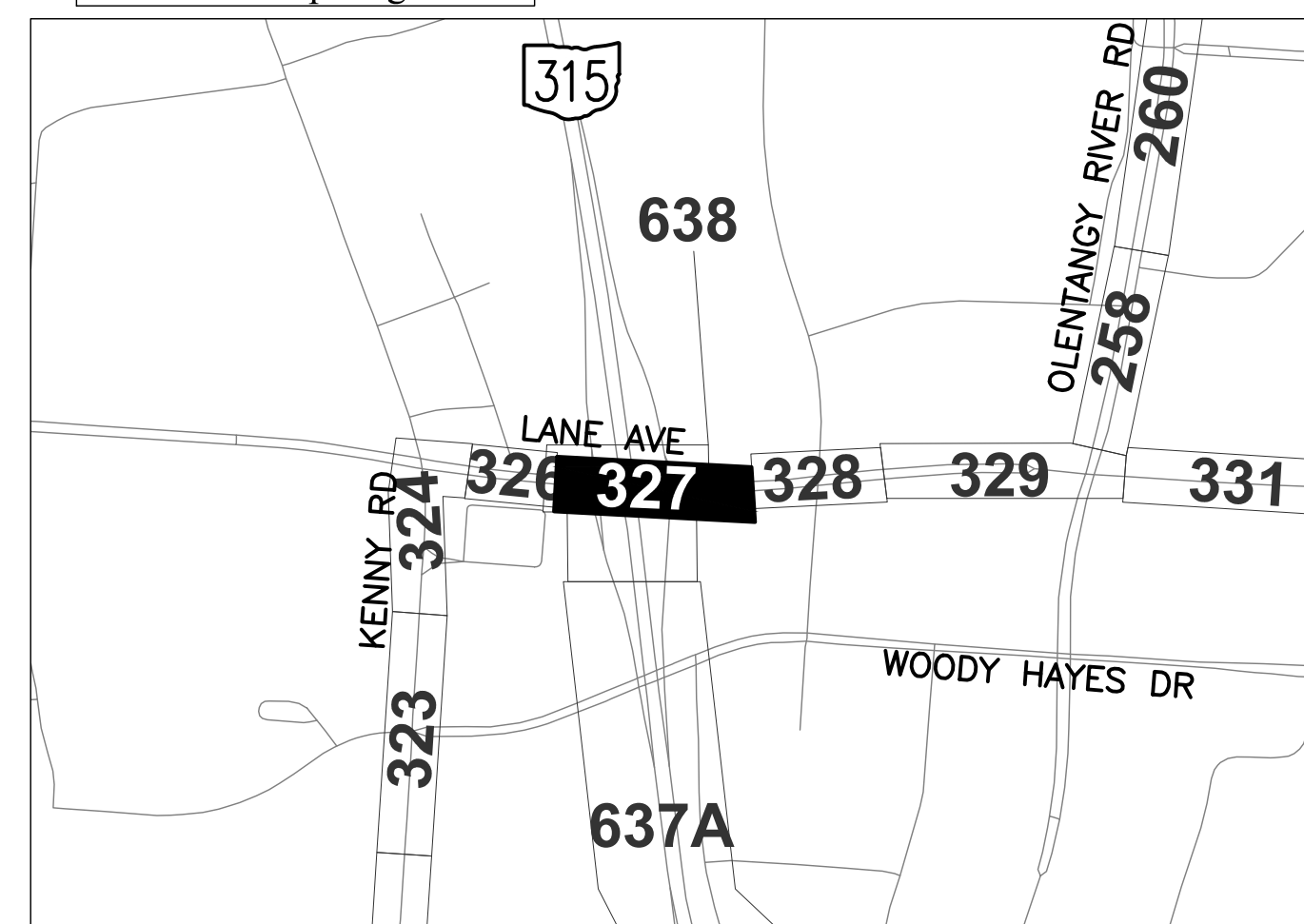
0 20 40  
HORIZONTAL SCALE IN FEET

- NOTES:
1. SEE SHEET 330 FOR QUANTITIES.
  2. SEE SHEETS 670, 755, & 756 FOR COMMUNICATION DETAILS.
  3. RAILROAD CROSSING AT STA. 61+31, 59' LT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.
  4. SEE SHEET ### FOR NODE #315004.4 DETAIL.
  5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
- # EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 14.

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REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

LANE AVE AT SR 315 SB RAMPS  
SEE DETAIL A - INT 4159

LANE AVE BETWEEN STATION 61+00 AND 70+00

LANE AVE AT SR 315 NB RAMPS  
SEE DETAIL B - INT 4160

601





HORIZONTAL  
SCALE IN FEET



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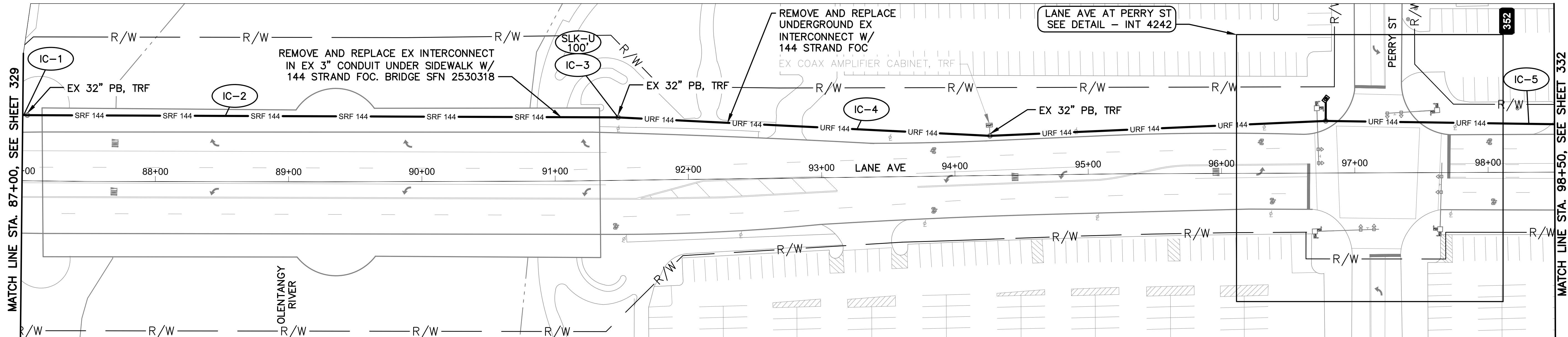




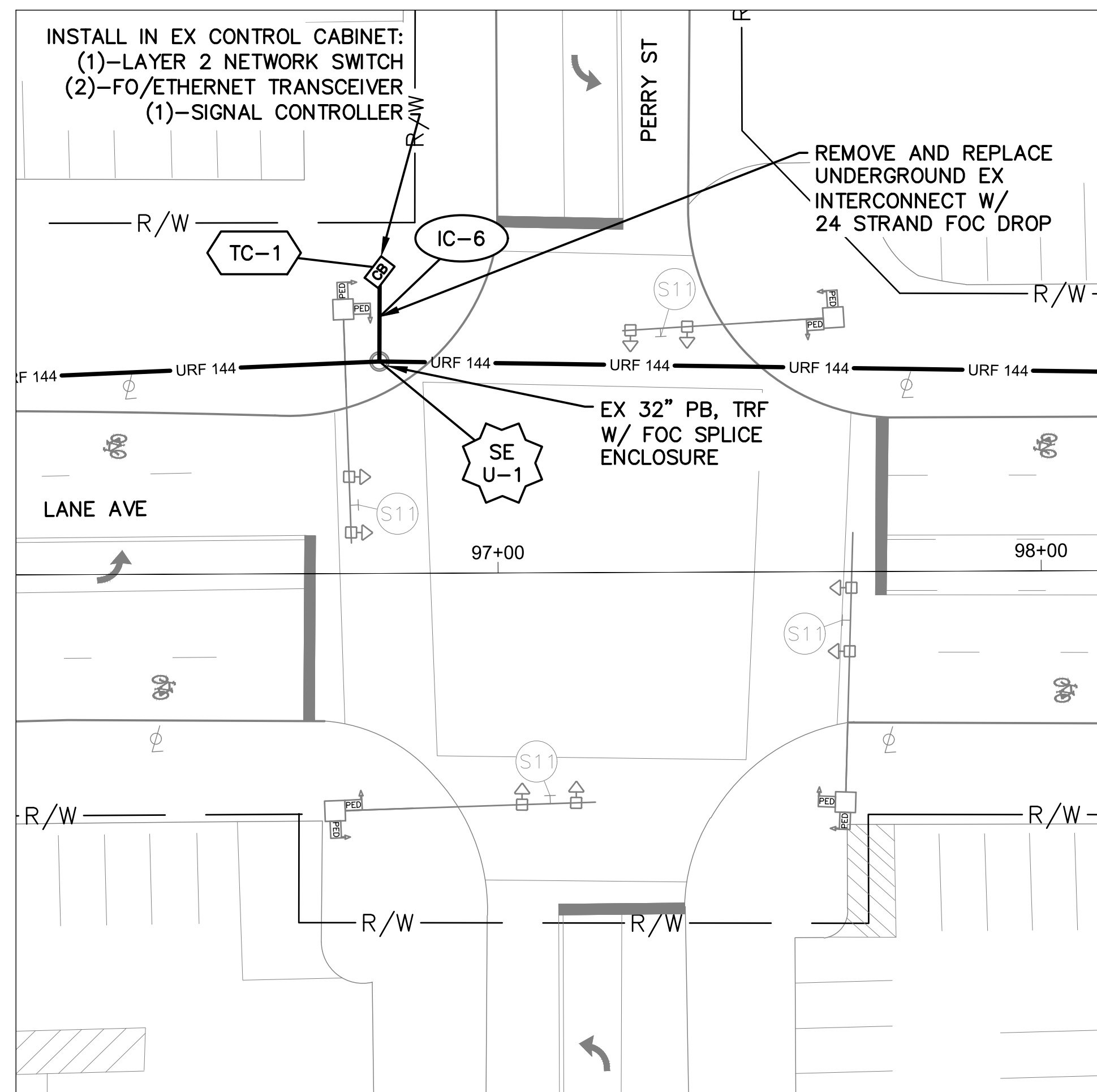
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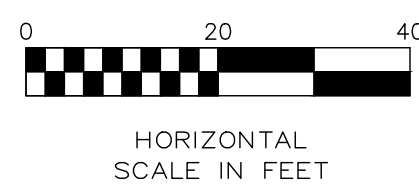
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LANE AVE BETWEEN STATION 87+00 AND 98+50



DETAIL - INT 4242

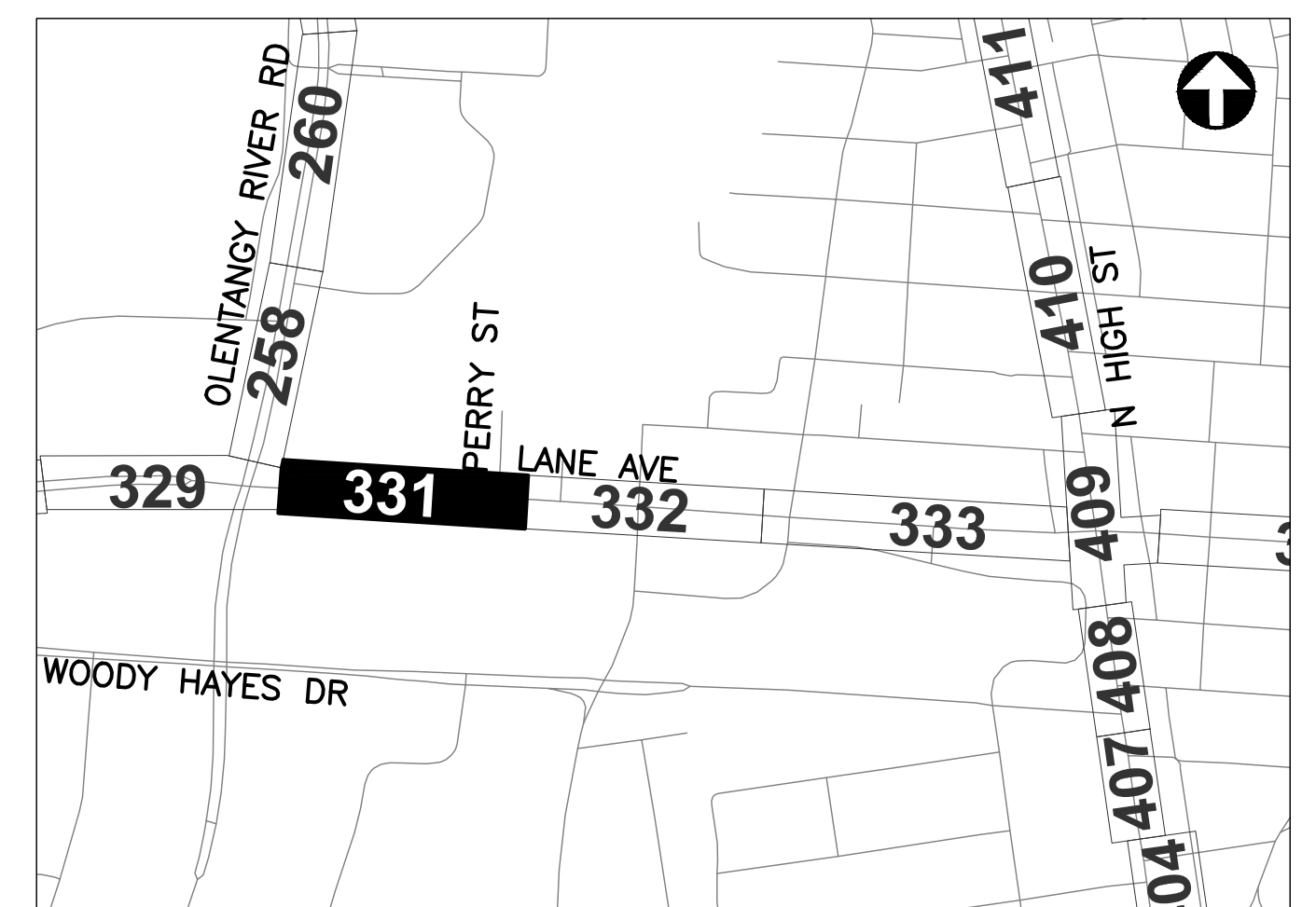


NOTES:

1. SEE SHEET 335 FOR QUANTITIES.
2. SEE SHEETS 668 & 760 FOR COMMUNICATION DETAILS.



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  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE

INTERCONNECT PLAN  
LANE AVE BETWEEN STA. 87+00 AND 98+50, INT 4242

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D -- CONSTRUCTION AS-BUILT

331  
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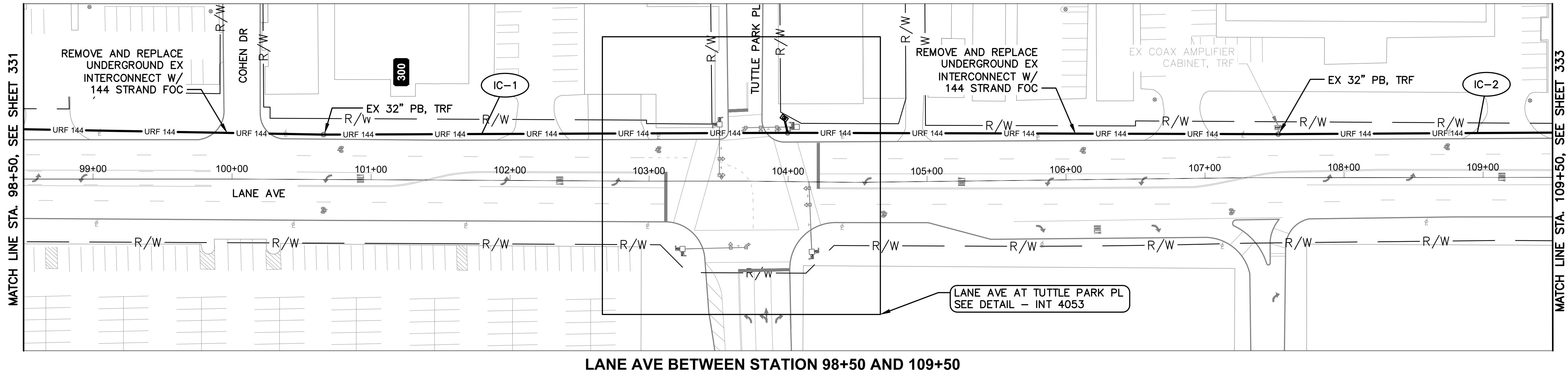
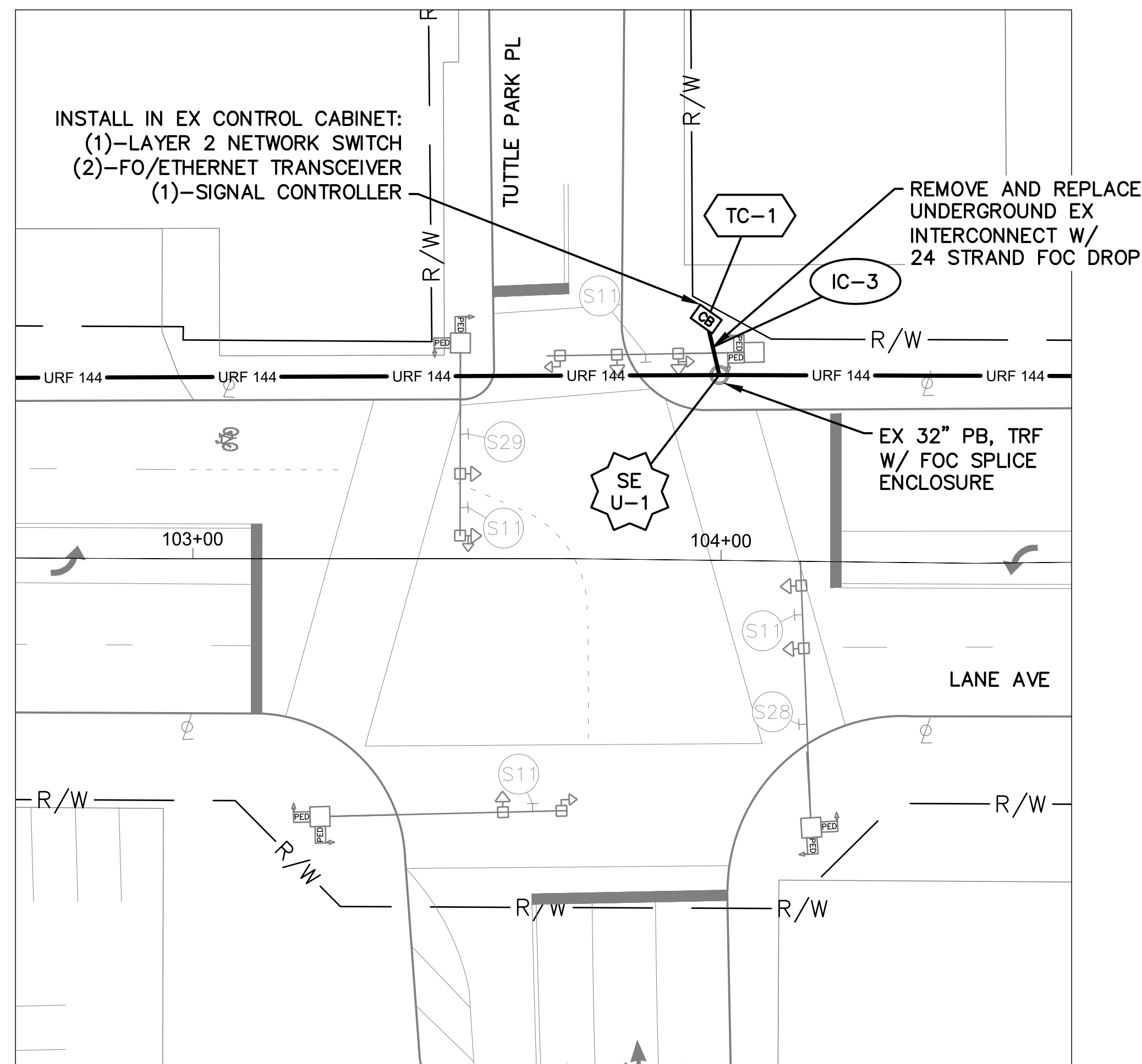
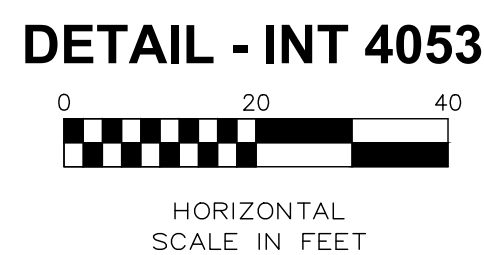
3150-E



CIP: 540007-100006  
PID NUMBER: 82573



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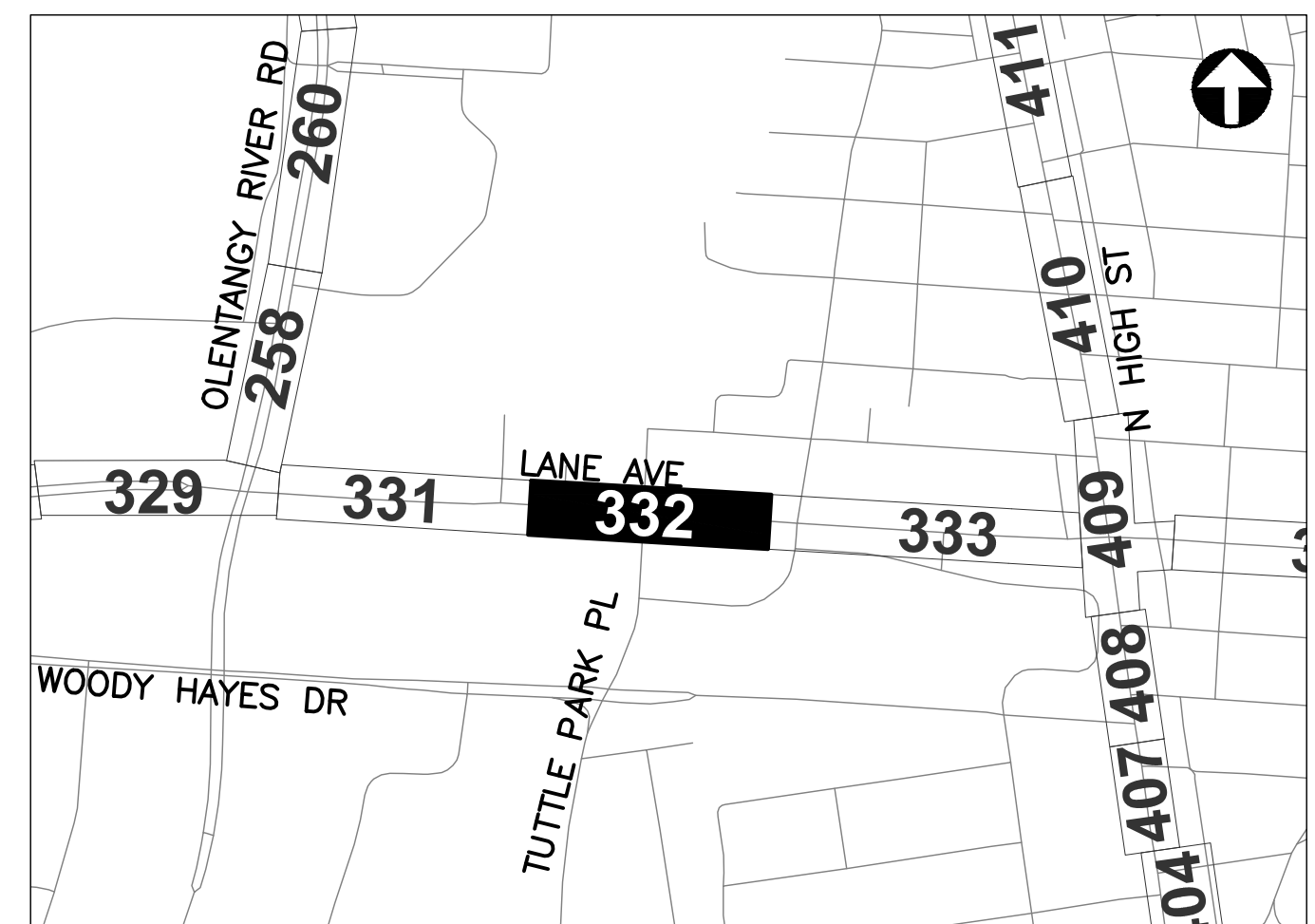


**NOTES:**

1. SEE SHEET 335 FOR QUANTITIES.
2. SEE SHEETS 668 & 761 FOR COMMUNICATION DETAILS.

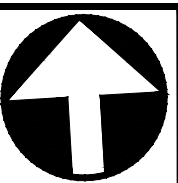


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- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
LANE AVE BETWEEN STA. 98+50 AND 109+50, INT 4053

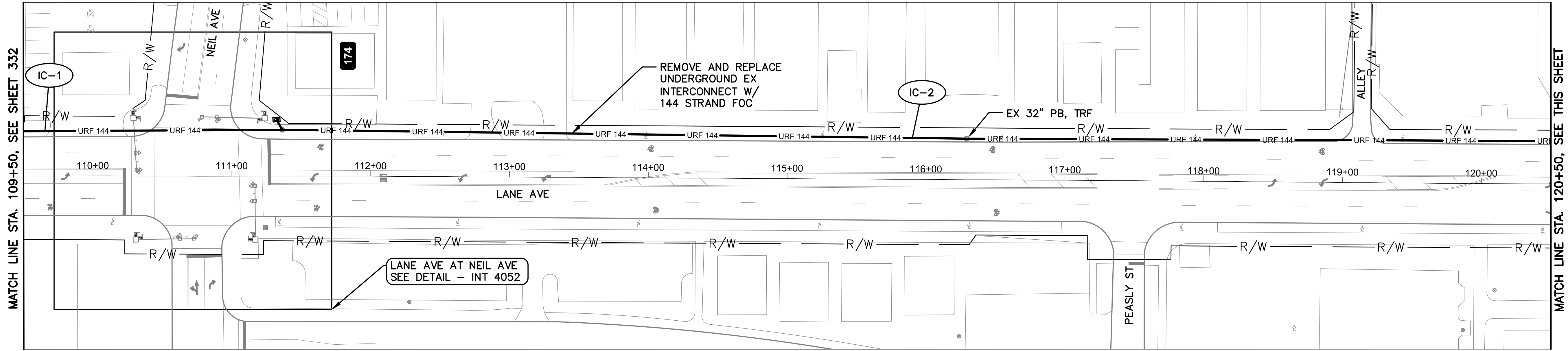
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

**332**  
**1000**

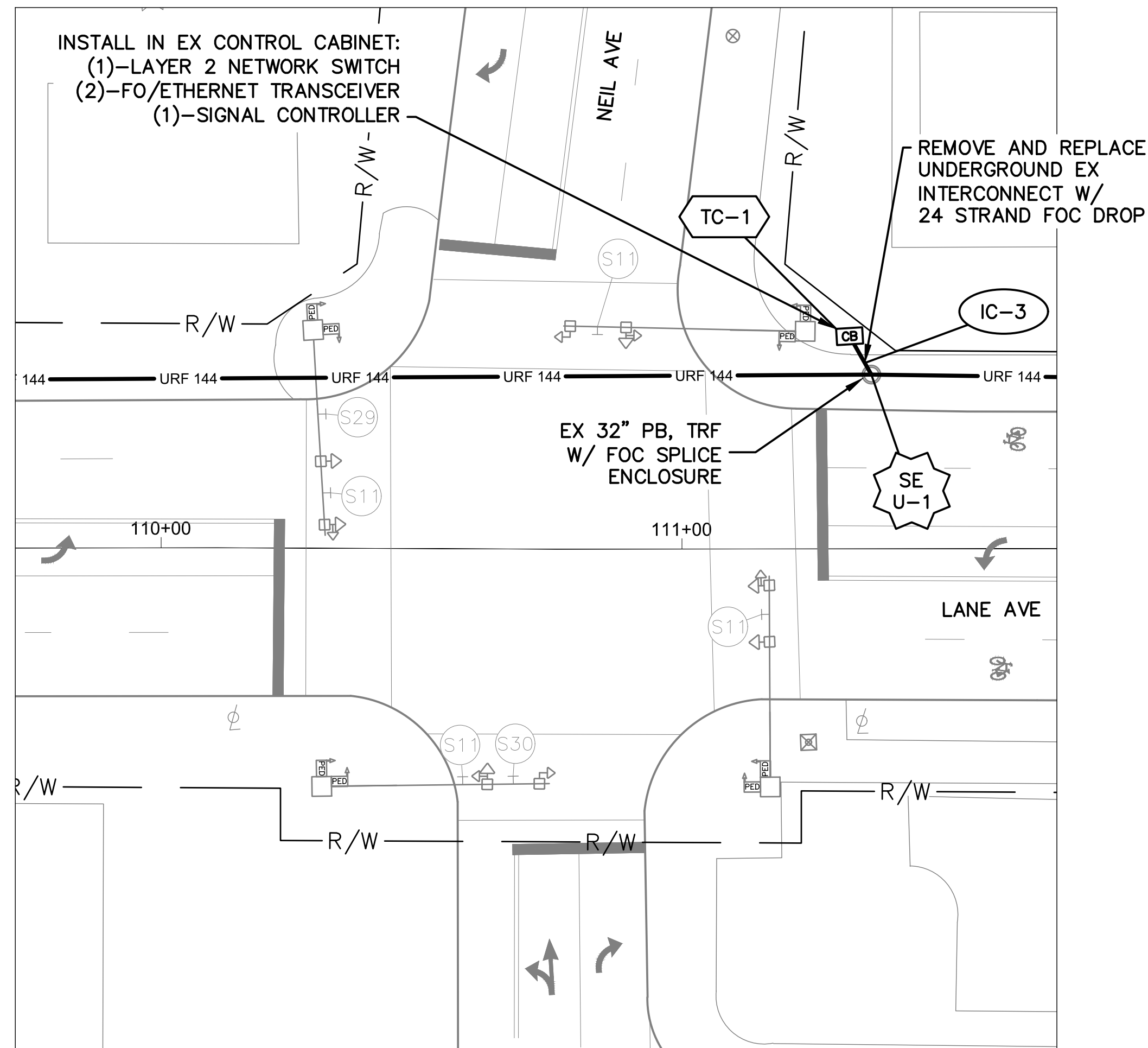
**3150-E**



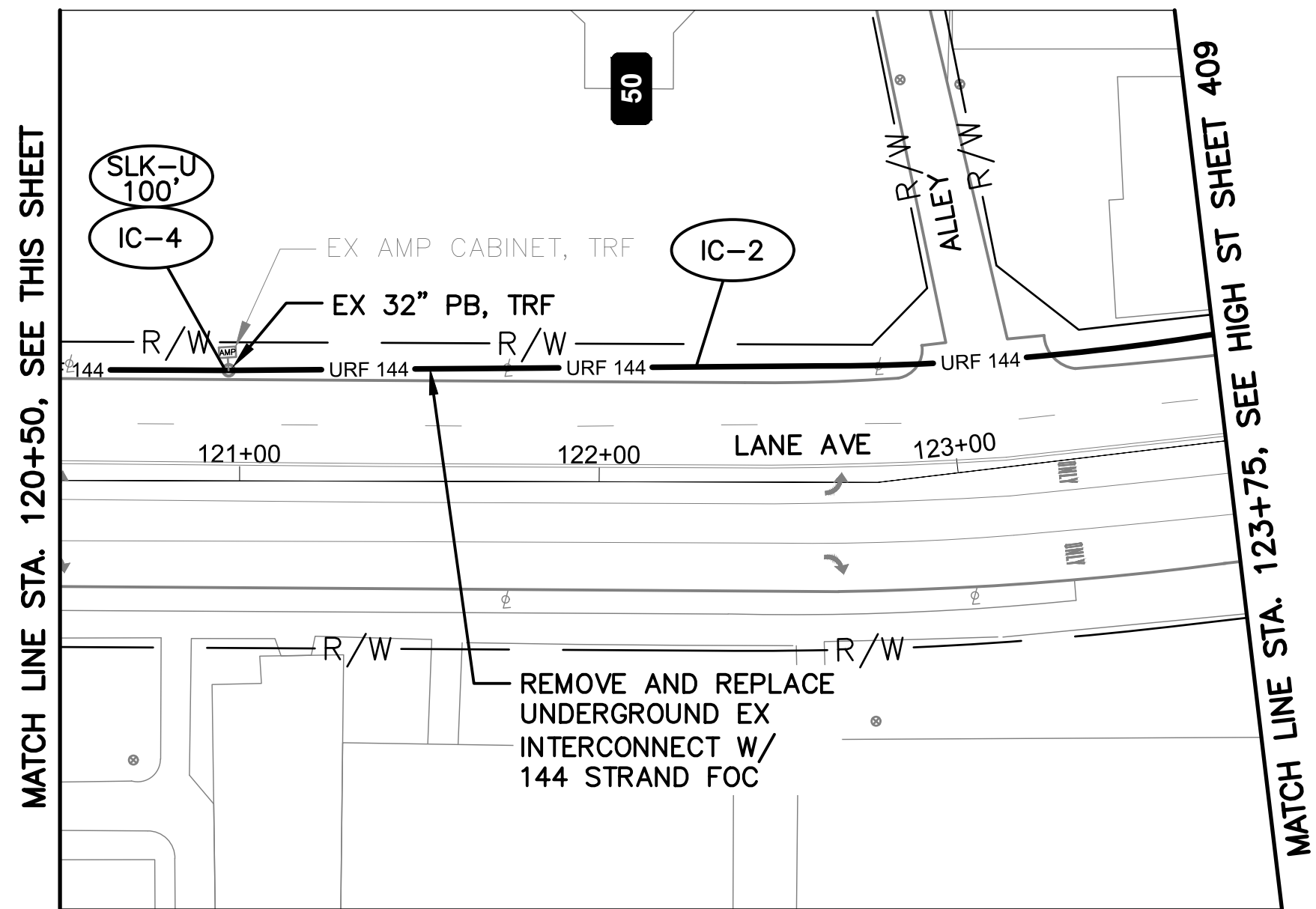
J:\Jobs\60135\TCHP000\Sheets\CTSS\CTSS\_PHD\_Trunk3\_LANE2\_INTERCONNECT.dwg -- LANE-6 layout -- last saved by: skoganti 08/15/2016 05:15pm -- printed 03/18/2020 09:12pm



LANE AVE BETWEEN STATION 109+50 AND 120+50



DETAIL - INT 4052



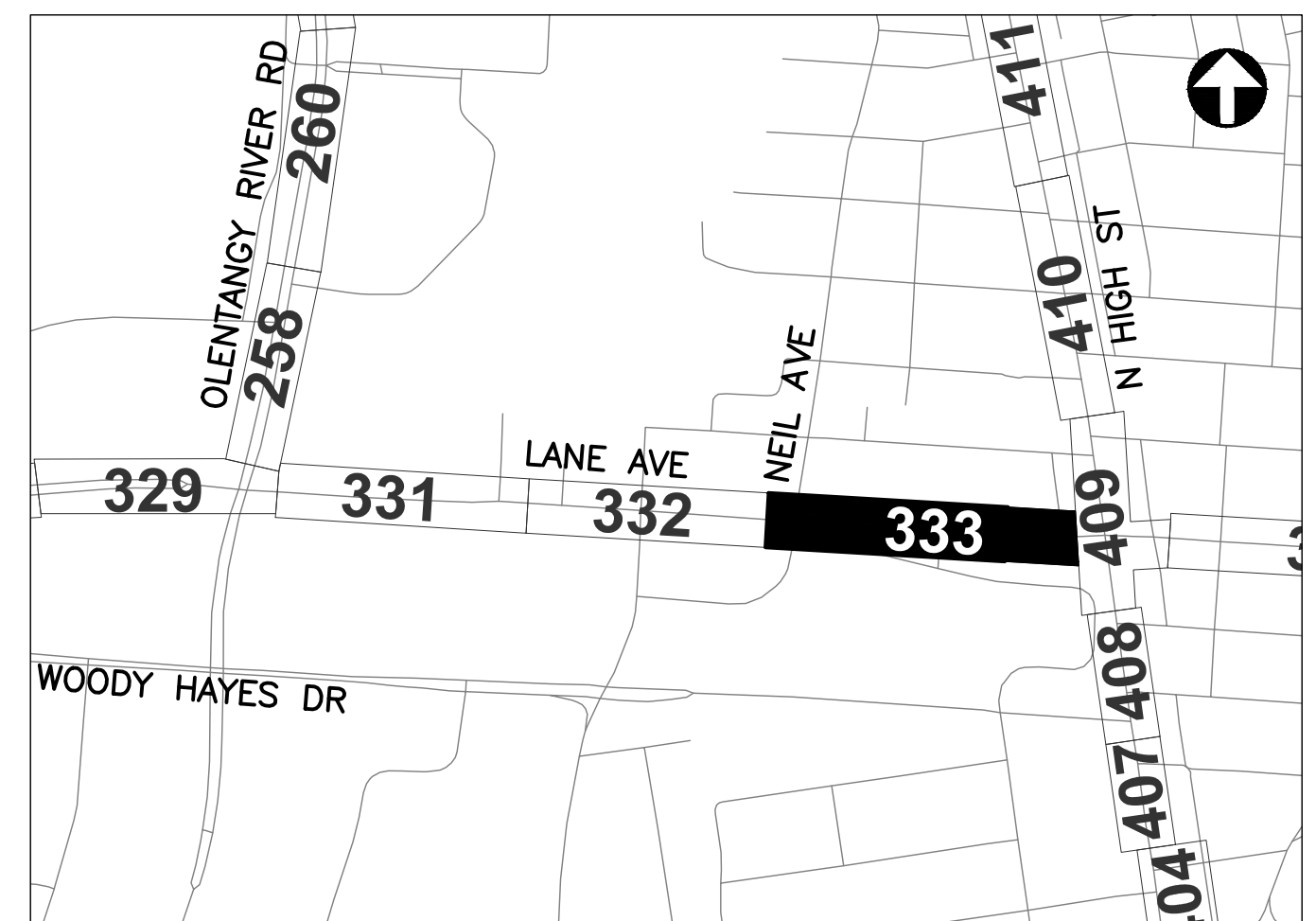
LANE AVE BETWEEN STATION 120+50 AND 123+75

**NOTES:**

1. SEE SHEET 335 FOR QUANTITIES.
2. SEE SHEETS 668 & 709 FOR COMMUNICATION DETAILS.



- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☐ POWER
  - ☐ LIGHTING

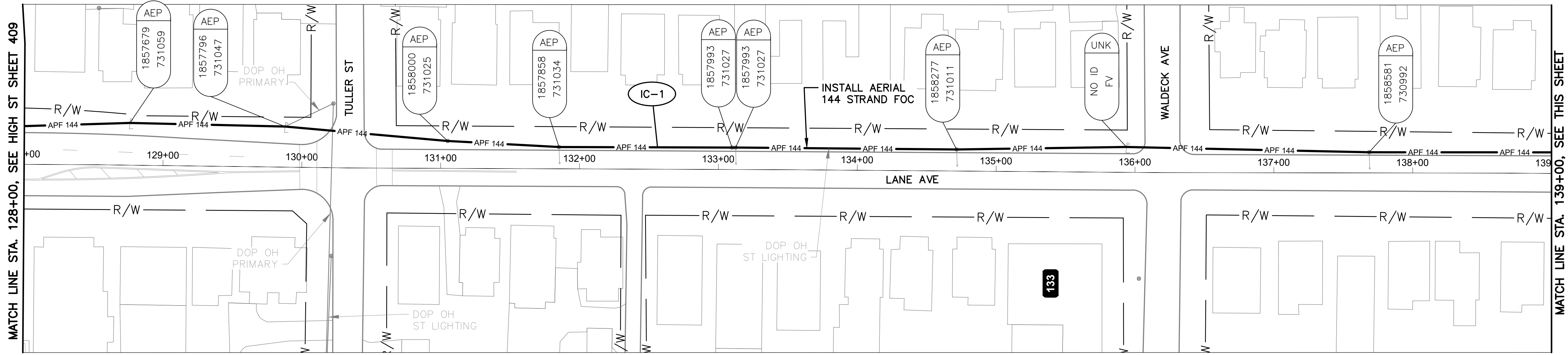


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

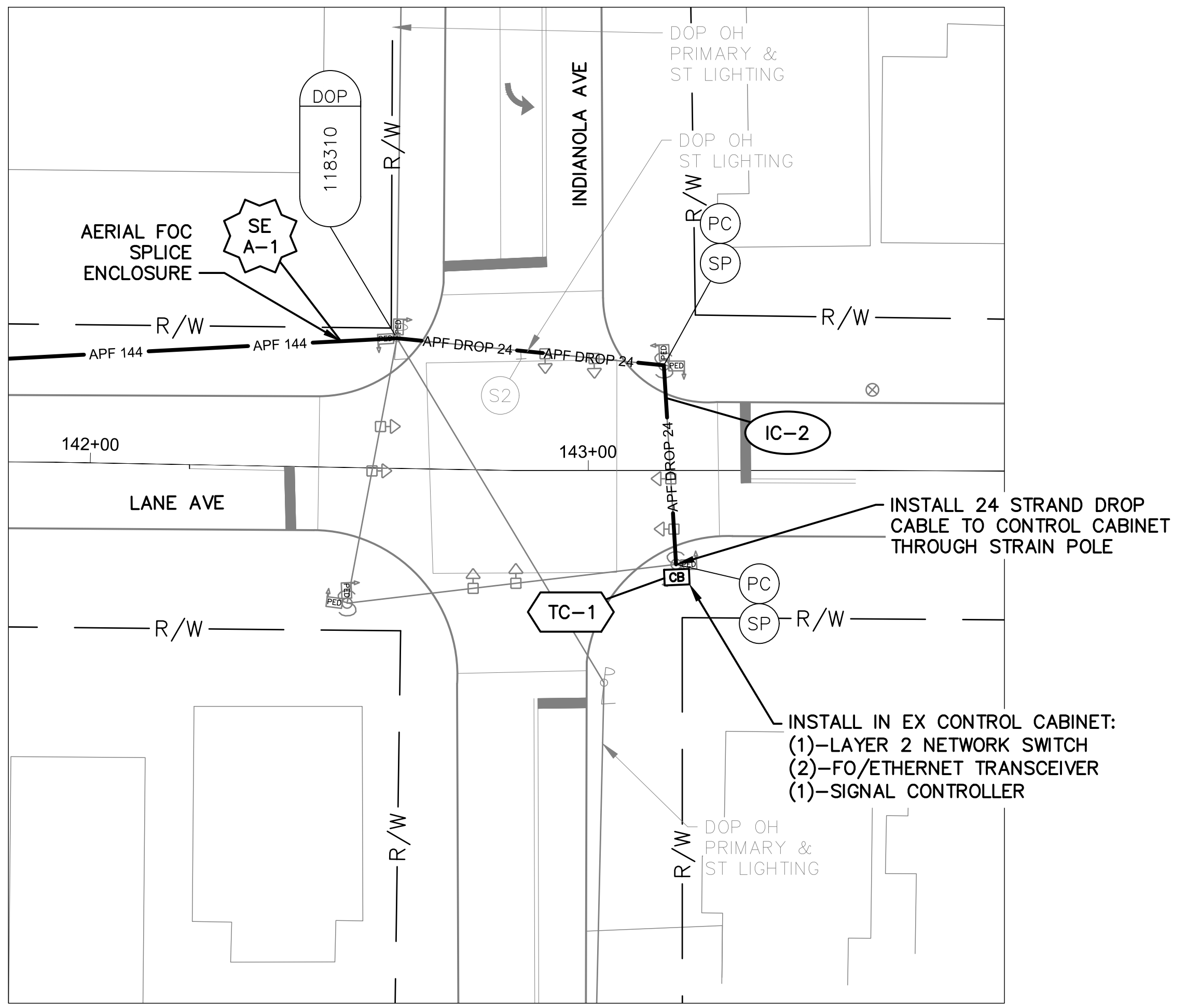
**KEY PLAN**  
NOT TO SCALE



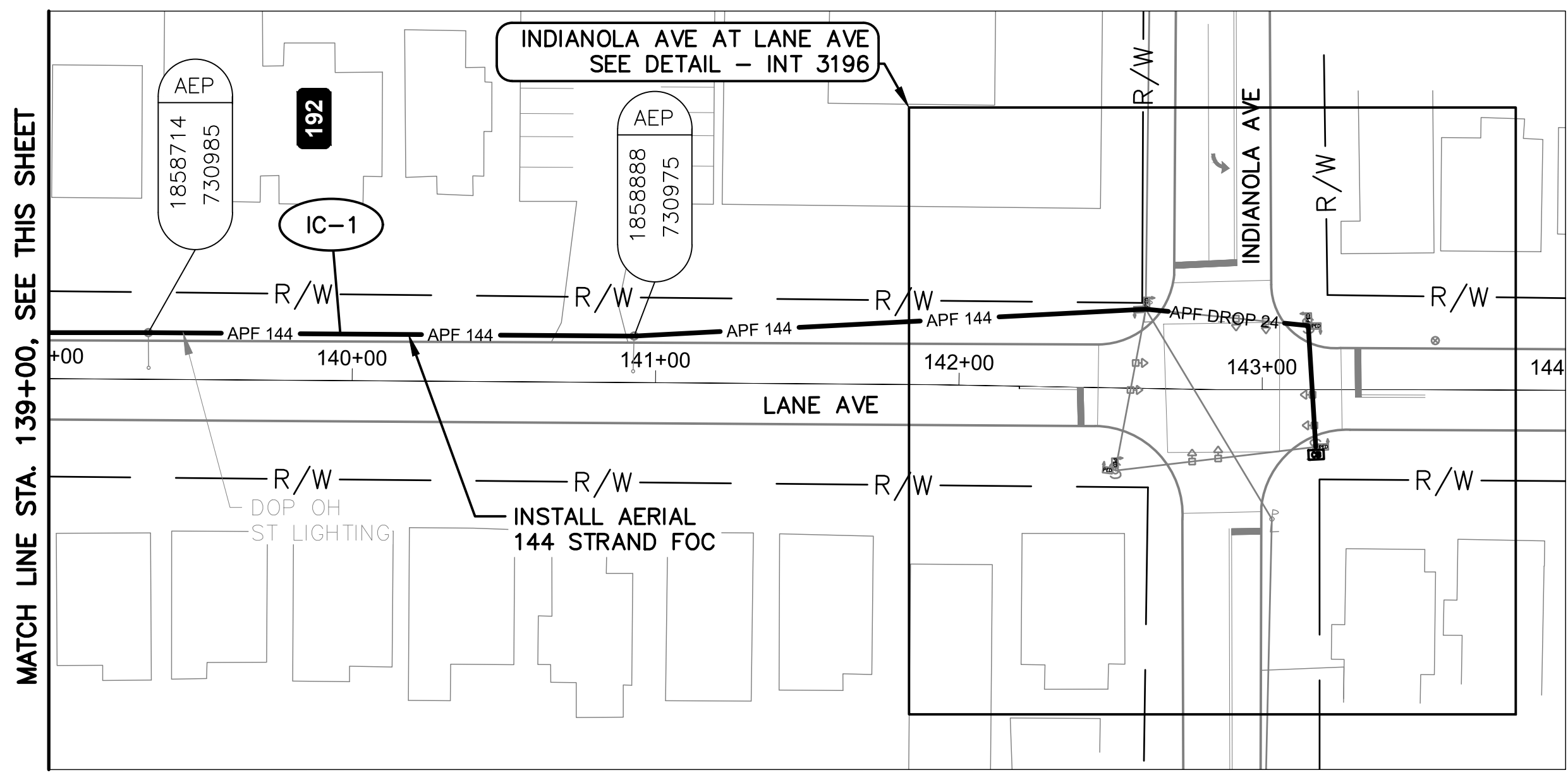
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LANE AVE BETWEEN STATION 128+00 AND 139+00



DETAIL - INT 3196



LANE AVE BETWEEN STATION 139+00 AND 144+00

- NOTES:**
1. SEE SHEET 335 FOR QUANTITIES.
  2. SEE SHEETS 668 & 712 FOR COMMUNICATION DETAILS.

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- CITY OF COLUMBUS  
UTILITY LEGEND**
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☒ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



J:\Jobs\60135\TCHPROD\Sheets\CTSS\PHD\_Trunk3\_LANE\_IC-QUANTITIES.dwg -- LANE-02 layout -- last saved by: edlwey 07/29/2016 03:22pm -- printed 03/16/2020 09:13am

| ESTIMATED QUANTITIES                               |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------|---------------|----------|----------------|----------------|------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|
| SHEET NO.                                          | REFERENCE NO. | LOCATION | STATION        |                | 202                                            | 632                                                                  | 632                                                                 | 632                                                                        | 632                                                                                    | 632                                                                                    | 632                                                                                  | 633                                                                                    | 633                                                           | 633                                                                           |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                | EXISTING CONDUIT<br>CLEANED, AS PER PLAN<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND<br>FT | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICER<br>EACH | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE<br>EACH | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 300FT DROP<br>CABLE<br>EACH | MESSANGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN<br>FT | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE<br>EACH | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH<br>EACH | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN<br>EACH |  |  |  |  |  |  |  |  |  |  |
| LANE AVE. BETWEEN STA. 87+00 AND 98+50, INT 4242   |               |          | FROM           | TO             | FT                                             | FT                                                                   | EACH                                                                | EACH                                                                       | EACH                                                                                   | EACH                                                                                   | FT                                                                                   | EACH                                                                                   | EACH                                                          | EACH                                                                          |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 331                                                | IC-1          | LANE AVE | 87+00, 49' LT  | 87+03, 49' LT  | 3                                              | 3                                                                    |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 331                                                | IC-2          | LANE AVE | 87+03, 49' LT  | 91+47, 47' LT  | 443                                            | 443                                                                  |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 331                                                | IC-3          | LANE AVE | 91+47, 47' LT  |                |                                                |                                                                      | 100                                                                 |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 331                                                | IC-4          | LANE AVE | 91+47, 47' LT  | 96+78, 39' LT  | 532                                            | 532                                                                  |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 331                                                | SE U-1        | LANE AVE | 96+78, 39' LT  |                |                                                |                                                                      | 150                                                                 | 24                                                                         | 1                                                                                      |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 331                                                | IC-6          | LANE AVE | 96+78, 39' LT  | 96+78, 55' LT  | 21                                             |                                                                      |                                                                     |                                                                            | 1                                                                                      |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 331                                                | IC-5          | LANE AVE | 96+78, 39' LT  | 98+50, 36' LT  | 172                                            | 172                                                                  |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 331                                                | TC-1          | LANE AVE | 96+78, 55' LT  |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      | 2                                                                                      | 1                                                             | 1                                                                             |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| LANE AVE. BETWEEN STA. 98+50 AND 109+50, INT 4053  |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 332                                                | IC-1          | LANE AVE | 98+50, 36' LT  | 103+99, 35' LT | 550                                            | 550                                                                  |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 332                                                | TC-1          | LANE AVE | 103+97, 47' LT |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      | 2                                                                                      | 1                                                             |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 332                                                | IC-3          | LANE AVE | 103+97, 47' LT | 103+99, 35' LT | 17                                             |                                                                      |                                                                     |                                                                            | 1                                                                                      |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 332                                                | SE U-1        | LANE AVE | 103+99, 35' LT |                |                                                |                                                                      | 150                                                                 | 24                                                                         |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 332                                                | IC-2          | LANE AVE | 103+99, 35' LT | 109+50, 32' LT | 550                                            | 550                                                                  |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| LANE AVE. BETWEEN STA. 109+50 AND 123+75, INT 4052 |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 333                                                | IC-1          | LANE AVE | 111+50, 32' LT | 111+36, 33' LT | 1                                              | 186                                                                  |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 333                                                | TC-1          | LANE AVE | 111+32, 41' LT |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      | 2                                                                                      |                                                               | 1                                                                             |  |  |  |  |  |  |  |  |  |  |
| 333                                                | IC-3          | LANE AVE | 111+36, 33' LT | 111+36, 33' LT | 15                                             |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 333                                                | SE U-1        | LANE AVE | 111+36, 33' LT |                |                                                | 150                                                                  | 24                                                                  | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 333                                                | IC-2          | LANE AVE | 111+36, 33' LT | 123+75, 30' LT | 1,235                                          | 1,235                                                                |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 333                                                | IC-4          | LANE AVE | 123+75, 30' LT |                |                                                | 10                                                                   |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| LANE AVE. BETWEEN STA. 128+00 AND 142+60, INT 3196 |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 334                                                | IC-1          | LANE AVE | 128+00, 28' LT | 142+60, 32' LT |                                                | 1,484                                                                |                                                                     |                                                                            |                                                                                        |                                                                                        | 1,484                                                                                |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 334                                                | SE A-1        | LANE AVE | 142+60, 32' LT |                |                                                | 75                                                                   | 12                                                                  | 1                                                                          |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 334                                                | IC-2          | LANE AVE | 142+60, 32' LT | 143+47, 19' LT |                                                |                                                                      |                                                                     |                                                                            | 1                                                                                      |                                                                                        | 96                                                                                   |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
| 334                                                | TC-1          | LANE AVE | 143+47, 19' LT |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      | 2                                                                                      |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
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|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
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|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |
|                                                    |               |          |                |                |                                                |                                                                      |                                                                     |                                                                            |                                                                                        |                                                                                        |                                                                                      |                                                                                        |                                                               |                                                                               |  |  |  |  |  |  |  |  |  |  |

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

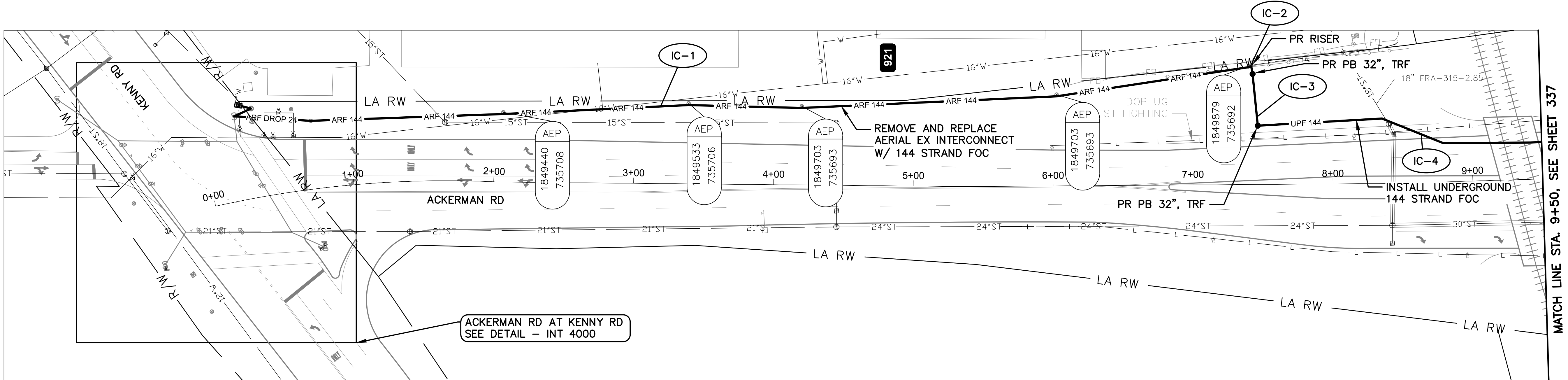
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PID NUMBER: 82573

LANE AVE BETWEEN STA. 87+00 & 144+00  
INTS 4242, 4053, 4052, 3196

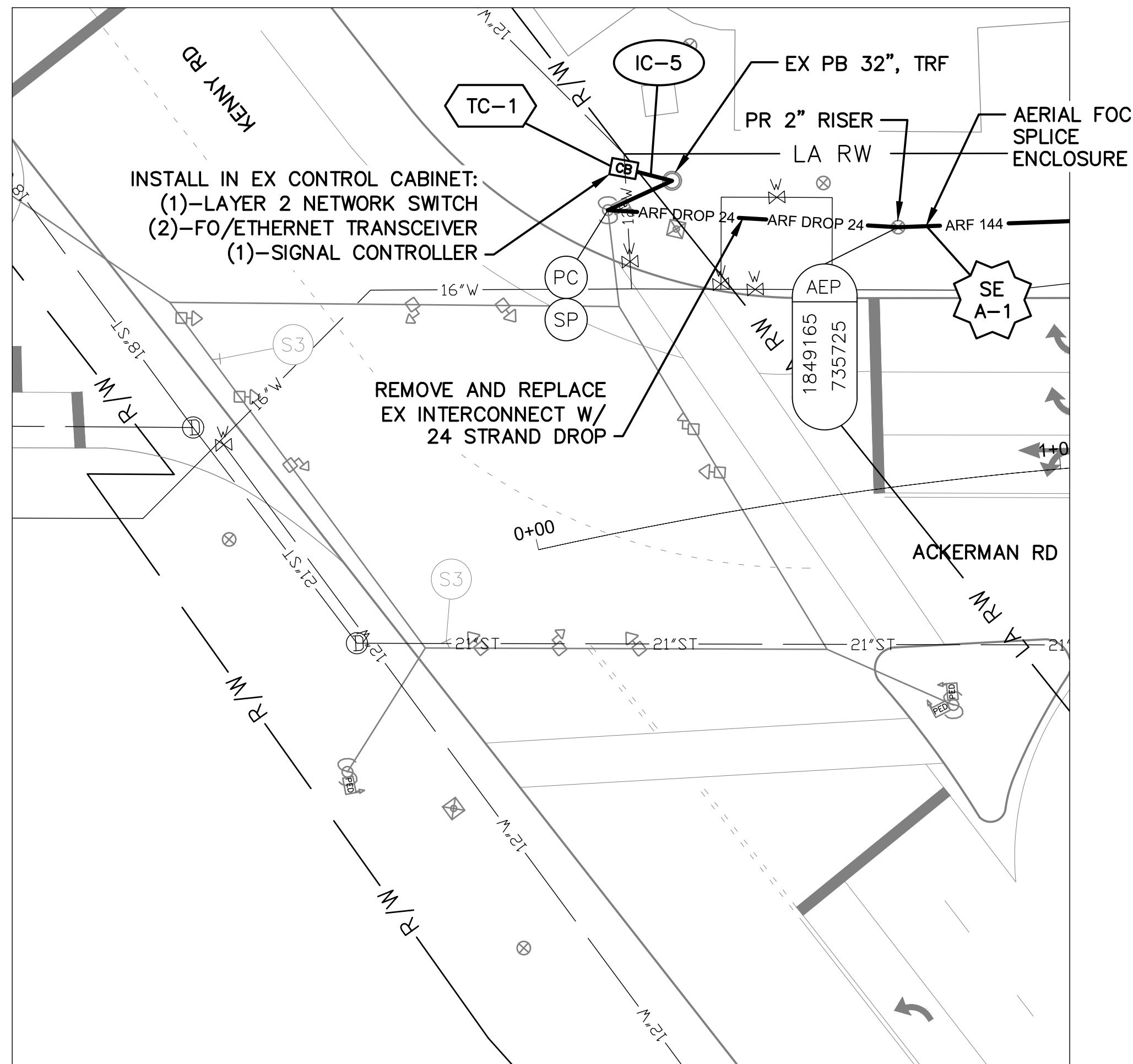
335  
1000



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ACKERMAN RD BETWEEN STATION 0+00 AND 9+50



DETAIL - INT 4000

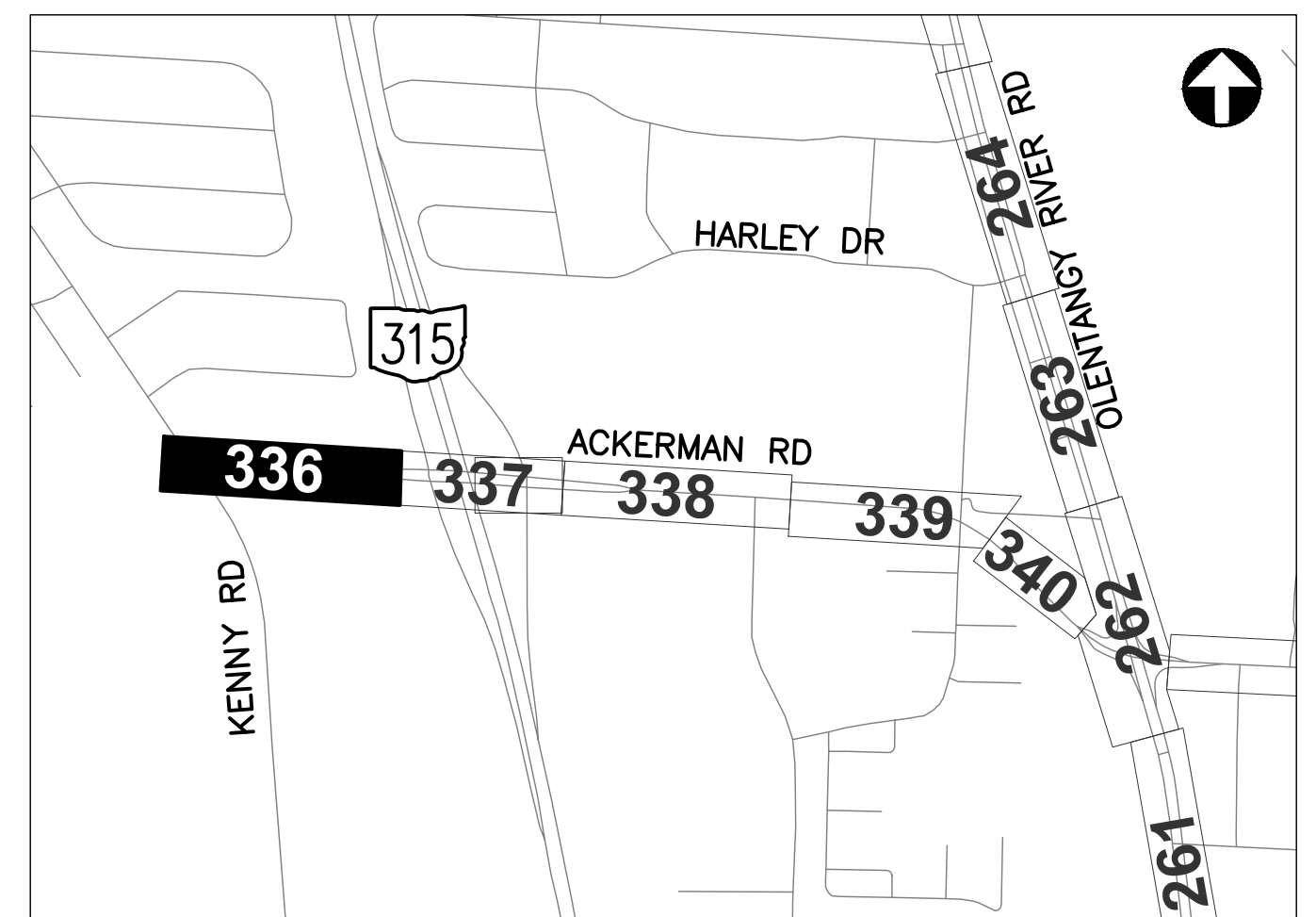
0 20 40  
HORIZONTAL  
SCALE IN FEET

**NOTES:**

1. SEE SHEET 341 FOR QUANTITIES.
2. SEE SHEETS 668 & 763 FOR COMMUNICATION DETAILS.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input checked="" type="checkbox"/> | SEWER    |
| <input checked="" type="checkbox"/> | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input type="checkbox"/>            | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

**KEY PLAN**  
NOT TO SCALE



CIP: 540007-10006  
PID NUMBER: 82573

INTERCONNECT PLAN  
ACKERMAN RD BETWEEN STA. 0+00 AND 9+50, INT 4000

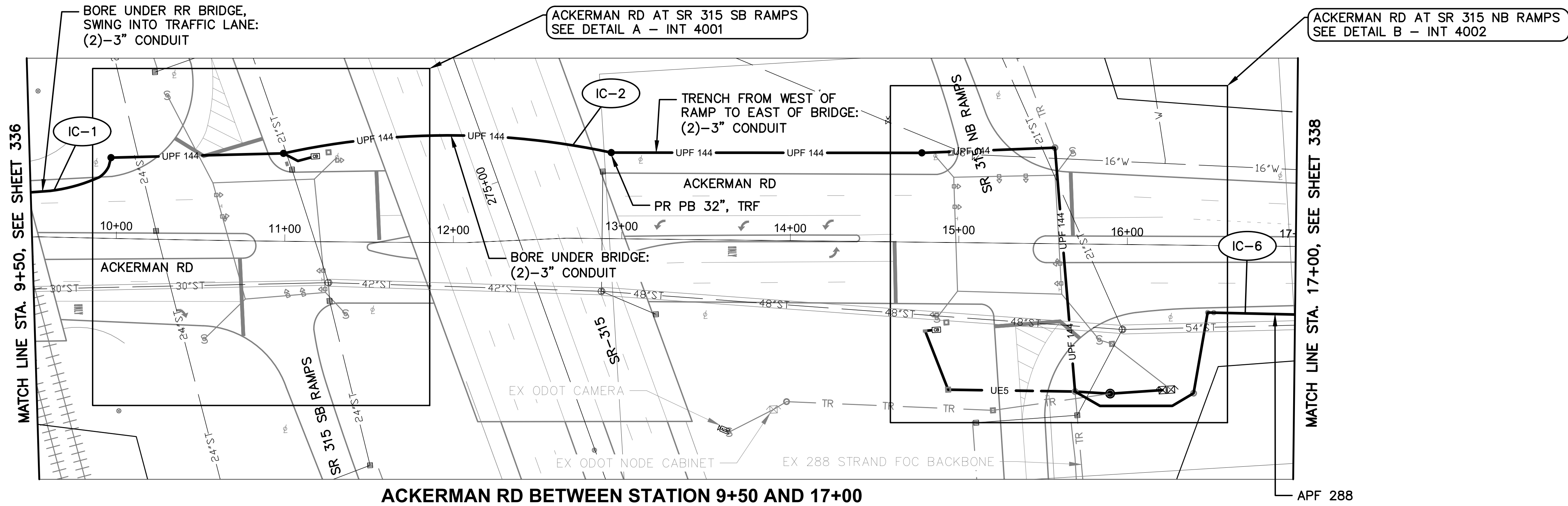
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

336  
1000

3150-E

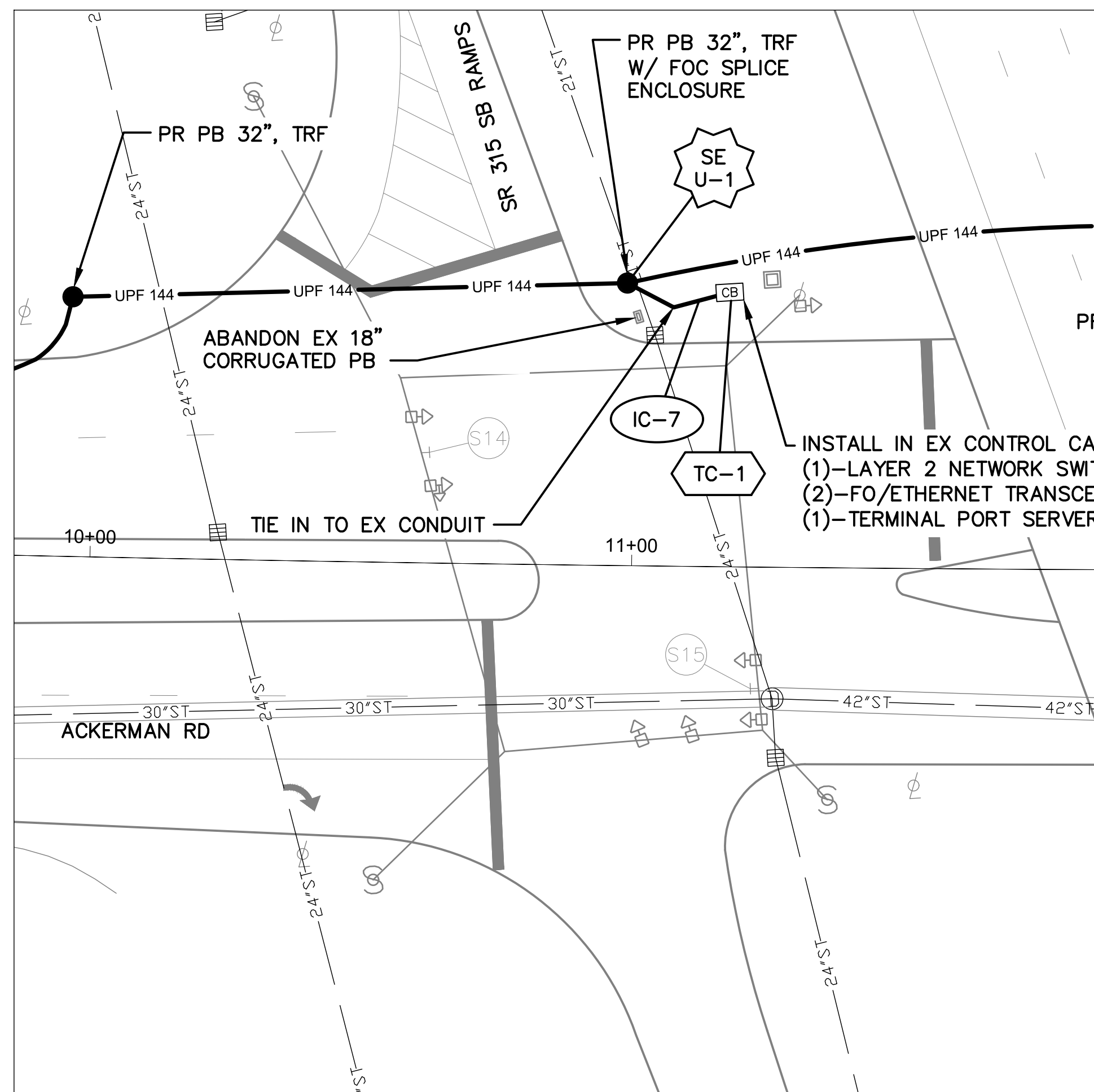


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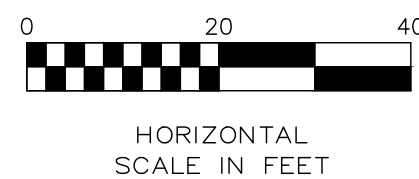
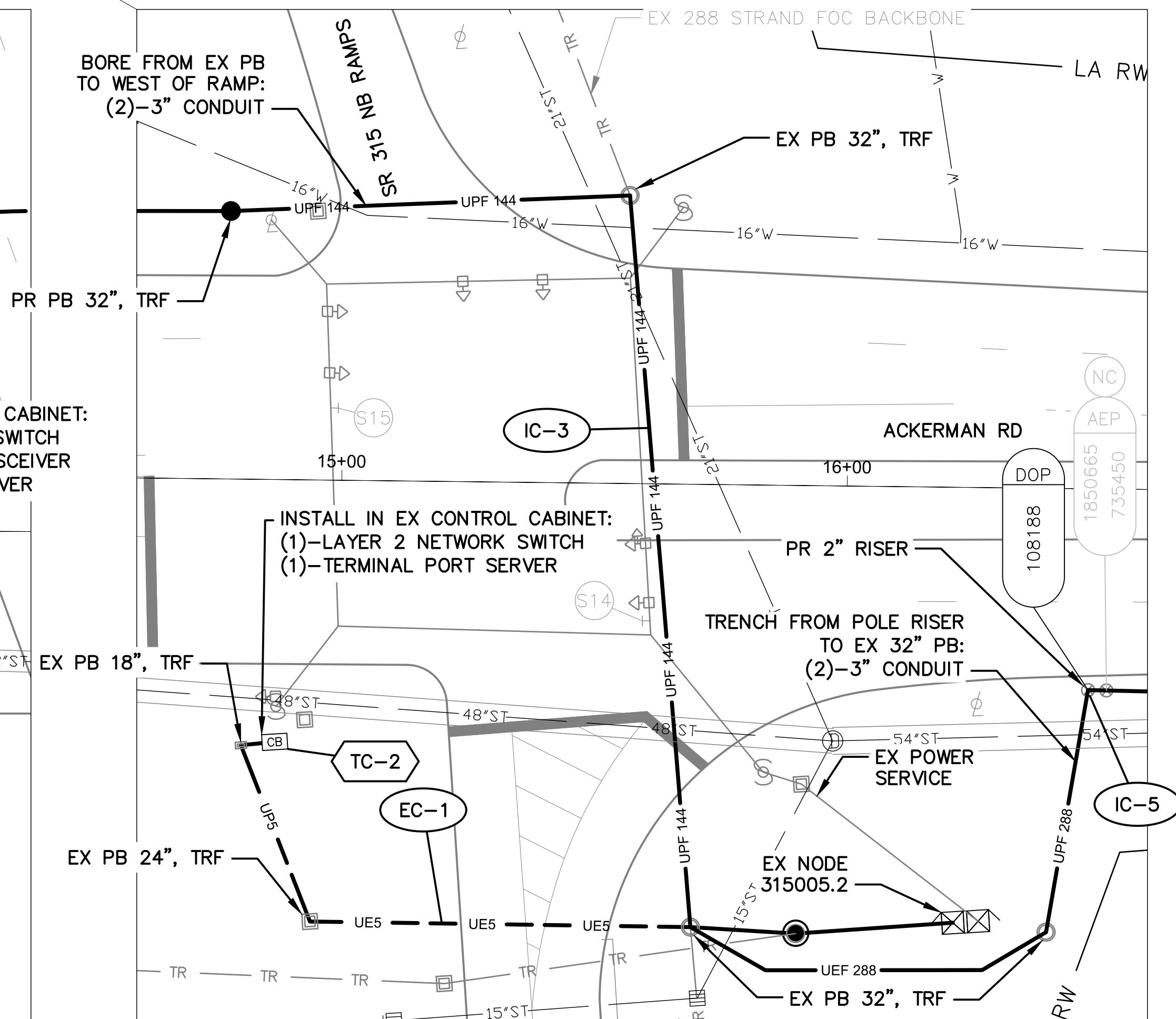


ACKERMAN RD BETWEEN STATION 9+50 AND 17+00

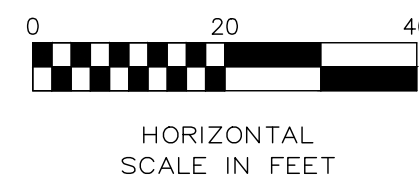
APF 288



DETAIL A - INT 4001



DETAIL B - INT 4002

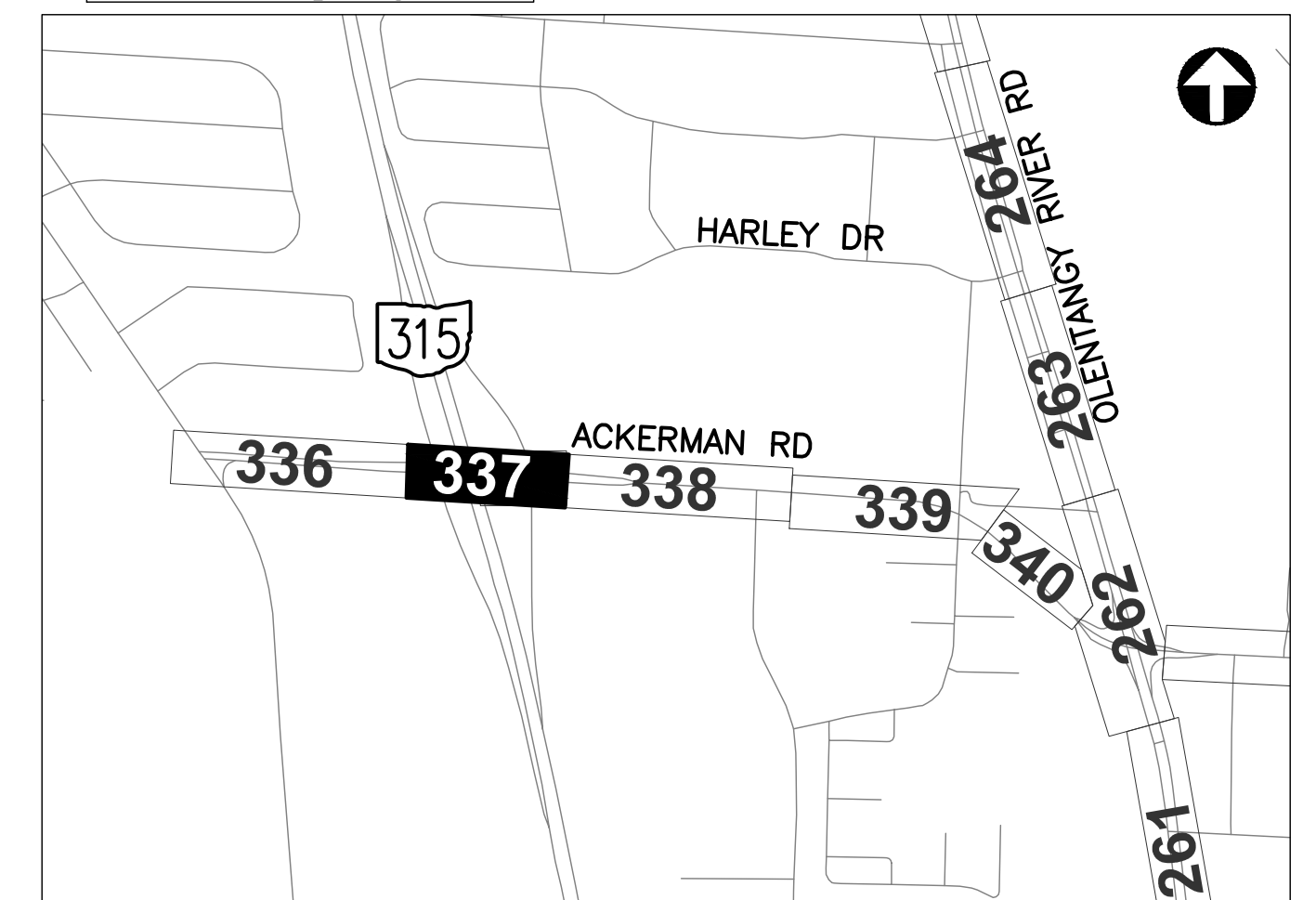


**NOTES:**

1. SEE SHEET 341 FOR QUANTITIES.
2. SEE SHEETS 668, 764 & 765 FOR COMMUNICATION DETAILS.
3. SEE SHEET 648 FOR NODE DETAILS.
4. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.



| CITY OF COLUMBUS UTILITY LEGEND     |          |
|-------------------------------------|----------|
| <input checked="" type="checkbox"/> | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input type="checkbox"/>            | POWER    |
| <input type="checkbox"/>            | LIGHTING |

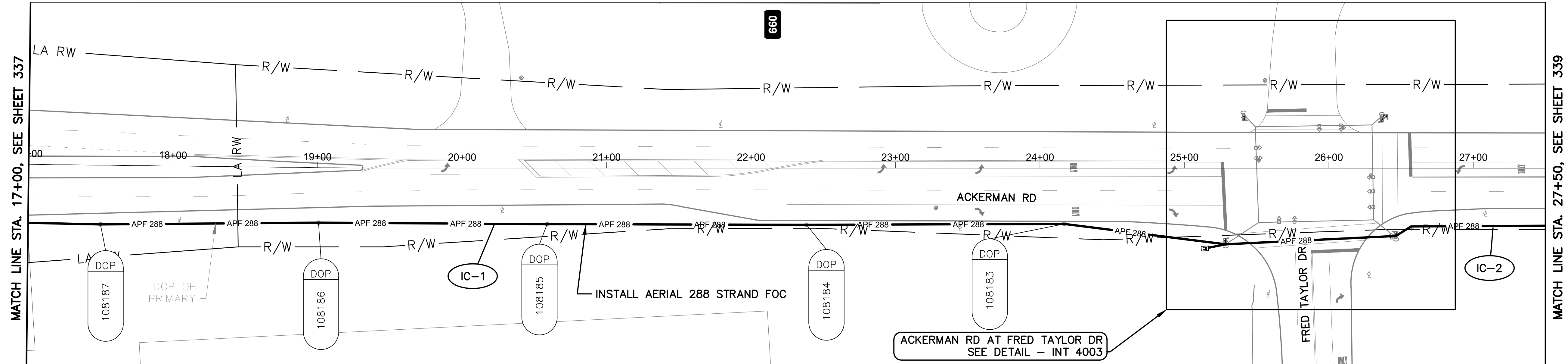


REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

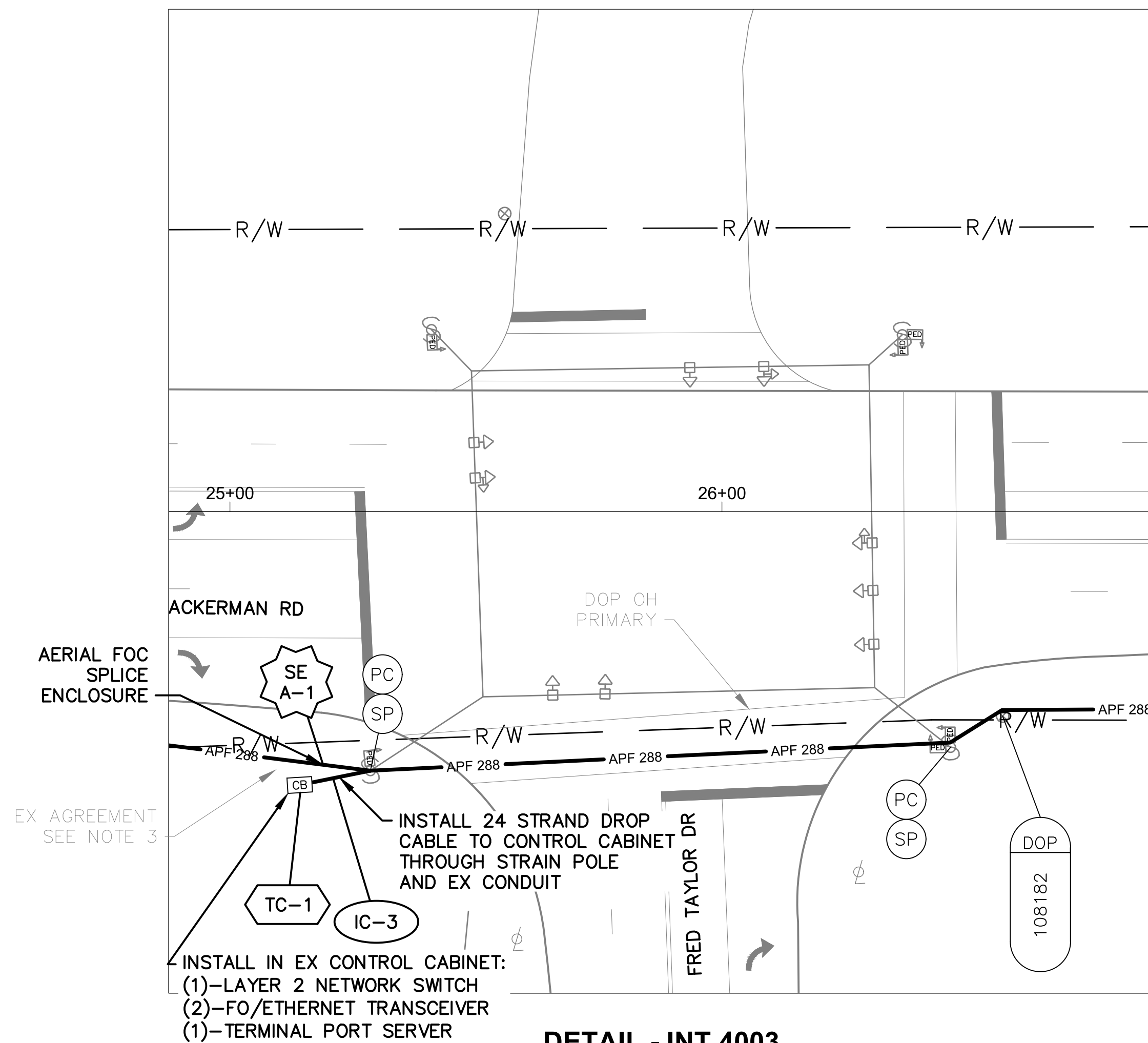
**KEY PLAN**  
NOT TO SCALE



J:\Jobs\60135\TCHPR00\Sheets\CTSS\_PHD\_Trunk3\_ACKERMAN\_INTERCONNECT.dwg — ACKERMAN-3 layout ~ last saved by jjeans 03/18/2020 03:43pm ~ printed 03/18/2020 09:21pm



ACKERMAN RD BETWEEN STATION 17+00 AND 27+50



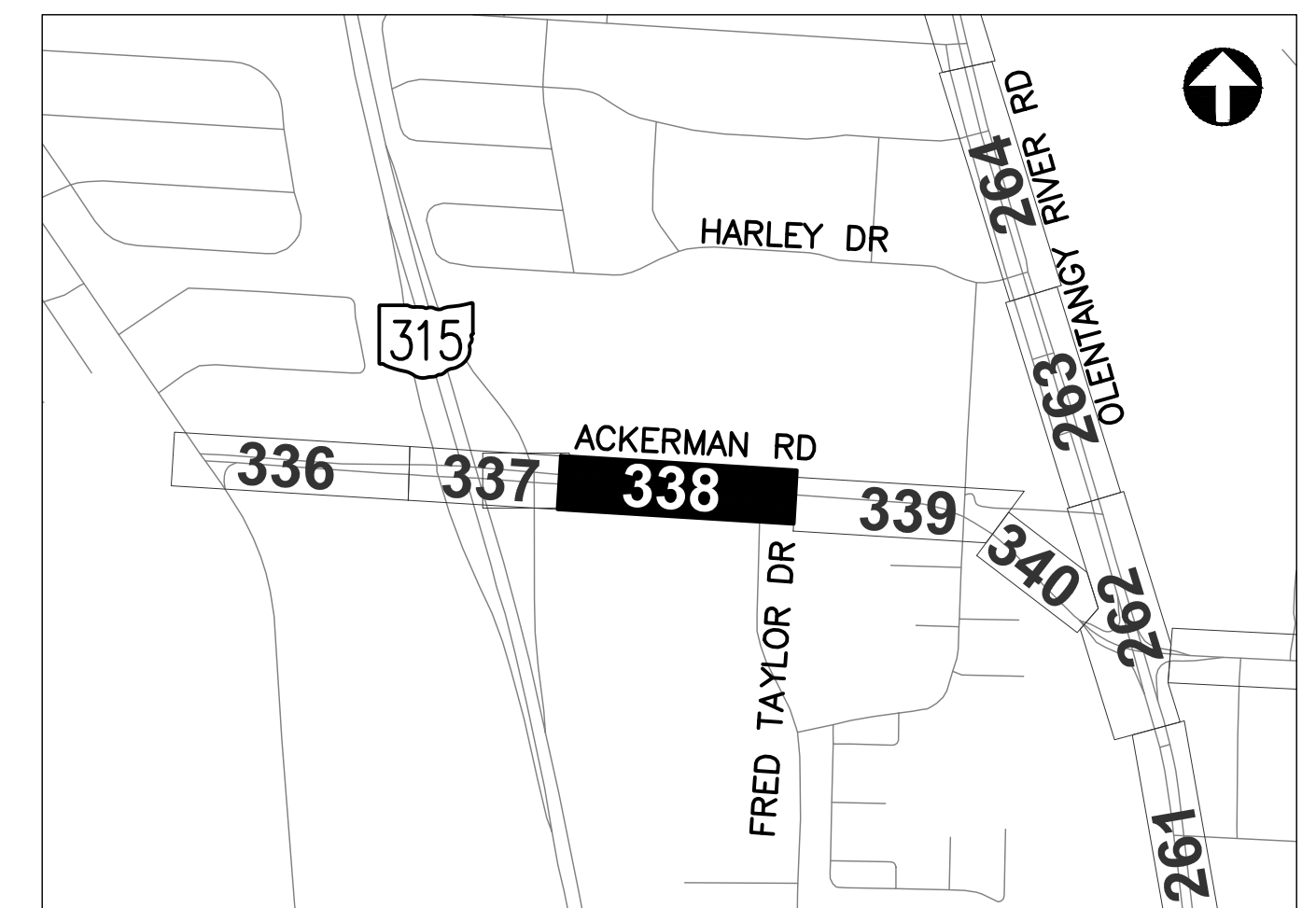
DETAIL - INT 4003

**NOTES:**

1. SEE SHEET 341 FOR QUANTITIES.
2. SEE SHEETS 668 & 766 FOR COMMUNICATION DETAILS.
3. A SIGNAL AGREEMENT EXISTS, RESOLUTION NUMBER 0745-03 (PASSED 8-7-2003), BETWEEN OSU AND THE CITY OF COLUMBUS THAT PROVIDES A NON-EXCLUSIVE EASEMENT TO THE CITY OF COLUMBUS FOR THE PURPOSE OF INSTALLING AND MAINTAINING TRAFFIC INFRASTRUCTURE.



| CITY OF COLUMBUS<br>UTILITY LEGEND  |          |
|-------------------------------------|----------|
| <input type="checkbox"/>            | SEWER    |
| <input type="checkbox"/>            | WATER    |
| <input checked="" type="checkbox"/> | POWER    |
| <input type="checkbox"/>            | LIGHTING |



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

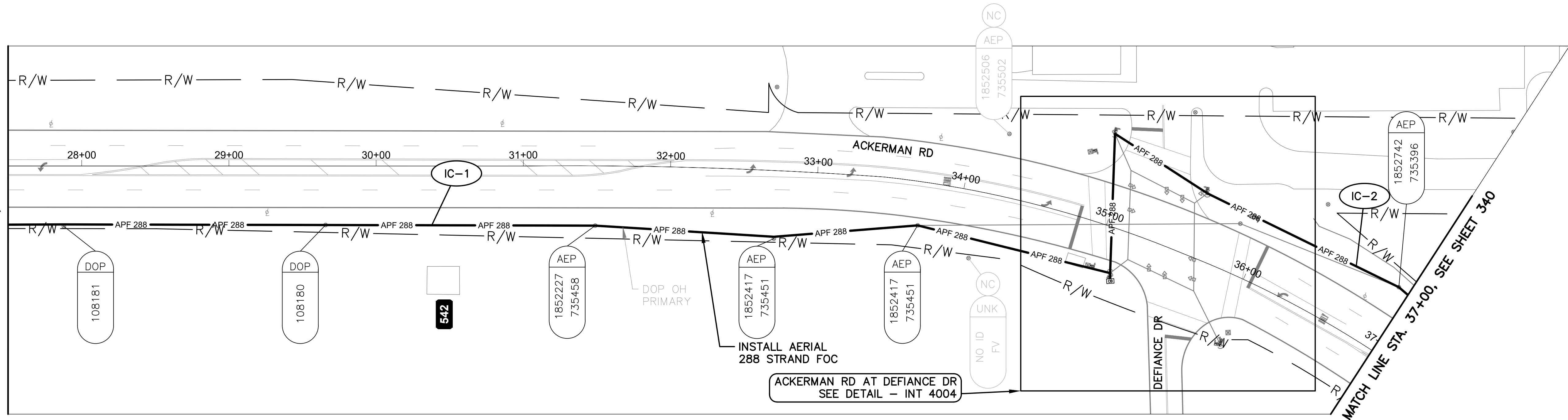
**KEY PLAN**  
NOT TO SCALE



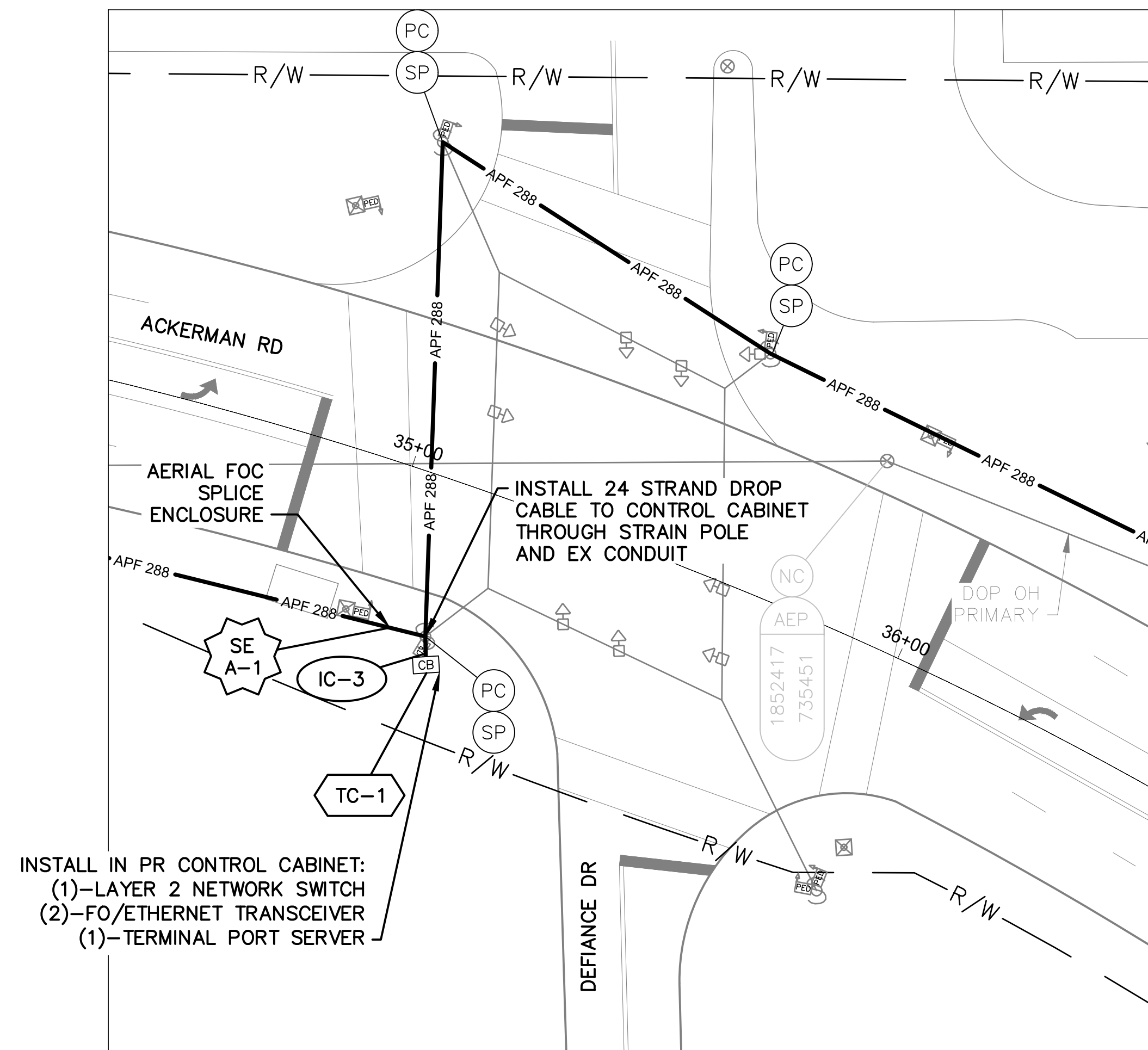


J:\Jobs\60135\TCHPR00\Sheets\CTSS\PHD\_Trunk3\_ACKERMAN\_INTERCONNECT.dwg -- ACKERMAN-4 layout -- last saved by jjeans 03/18/2020 03:43pm -- printed 03/18/2020 09:23pm

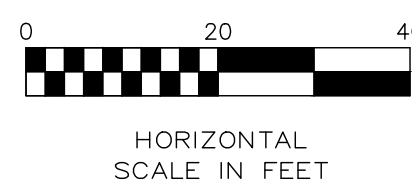
MATCH LINE STA. 27+50, SEE SHEET 338



ACKERMAN RD BETWEEN STATION 27+50 AND 37+00



DETAIL - INT 4004



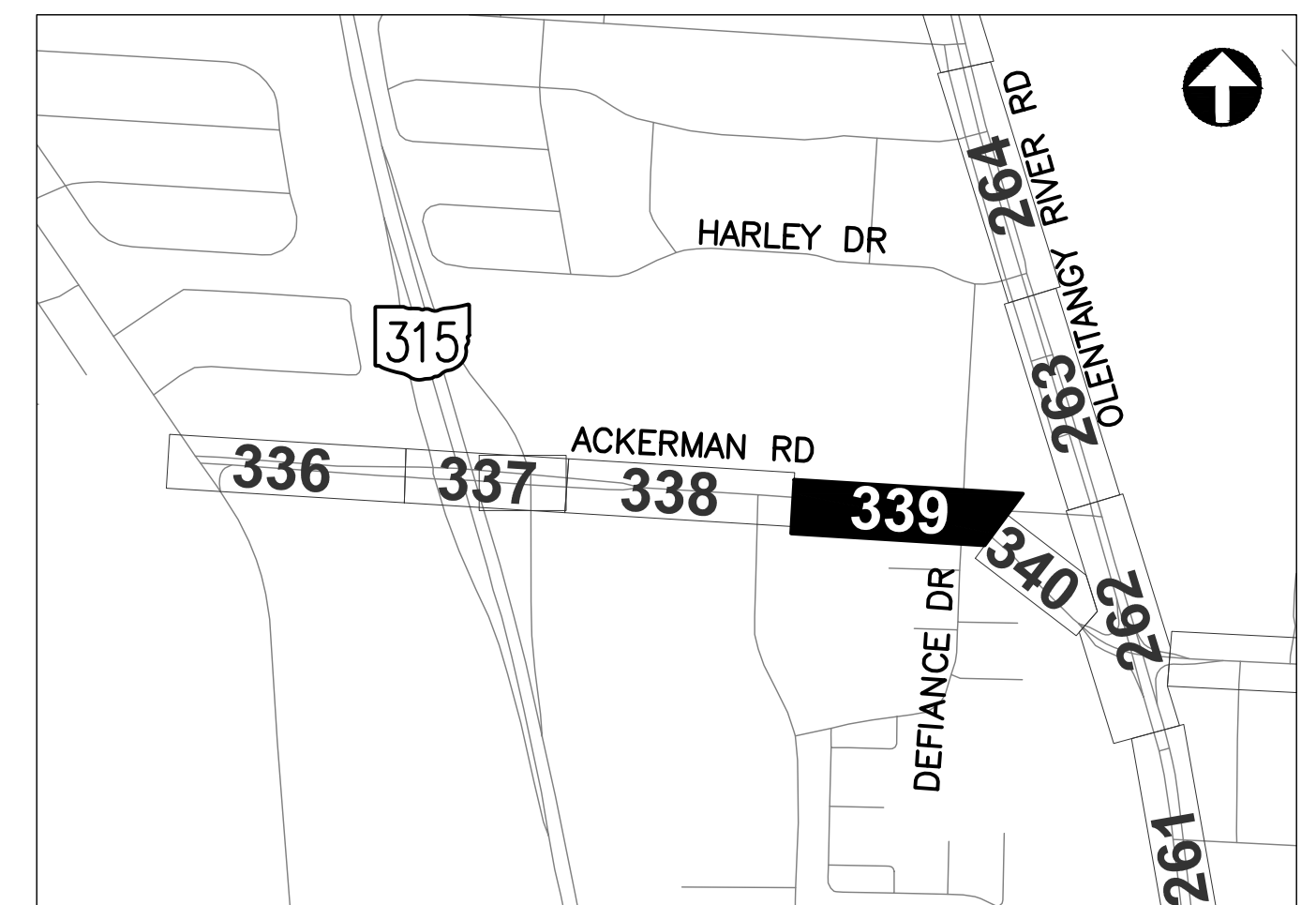
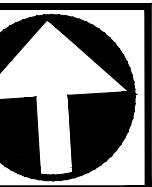
NOTES:

1. SEE SHEET 341 FOR QUANTITIES.
2. SEE SHEETS 668 & 767 FOR COMMUNICATION DETAILS.
3. RESOLUTION NUMBER 0745-03, PASSED AUGUST 07, 2003 PROVIDES INGRESS/EGRESS TO OSU PROPERTY.



CITY OF COLUMBUS  
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☐ LIGHTING



CIP: 540007-100006  
PID NUMBER: 82573

INTERCONNECT PLAN  
ACKERMAN RD BETWEEN STATION 27+50 AND 37+00, INT 4004

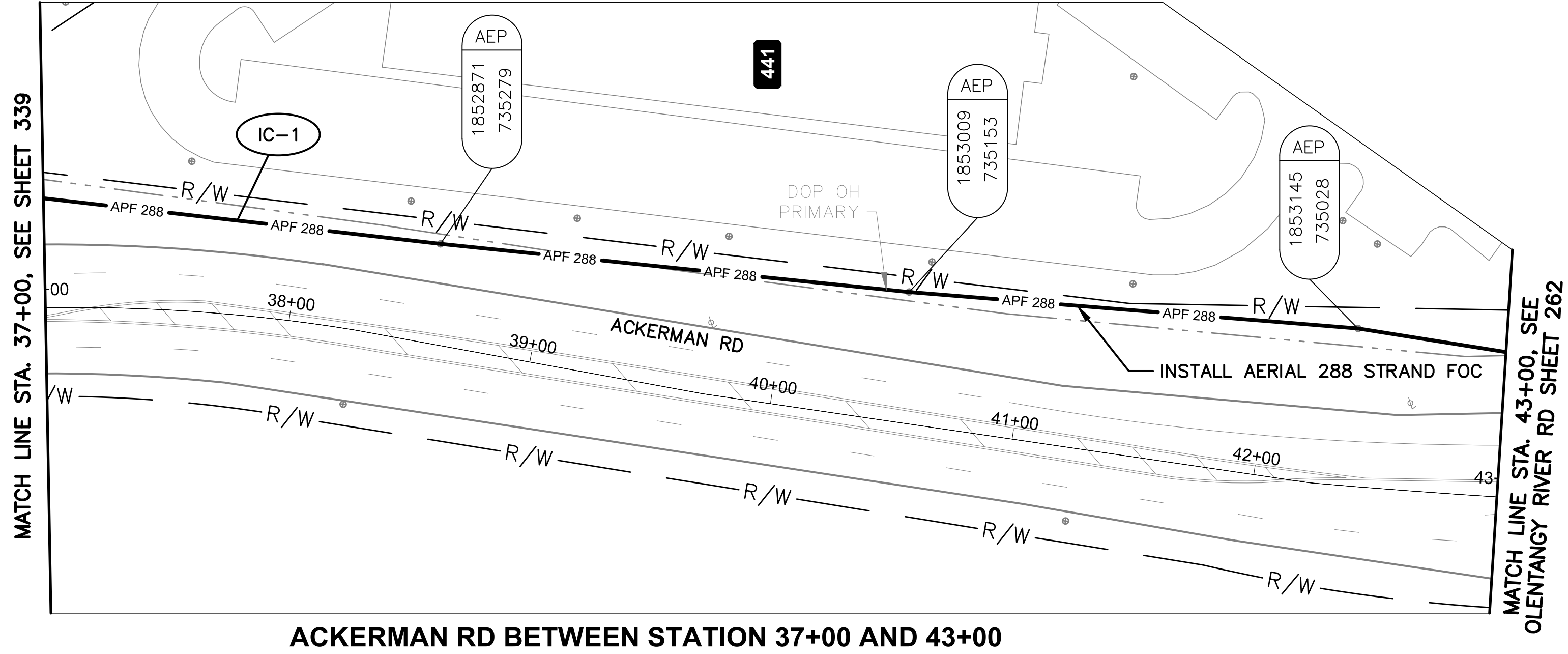
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM  
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

339  
1000

3150-E



J:\Jobs\60135\TECHPROD\Sheets\CTSS\PHD\_Trunk3\_ACKERMAN\_INTERCONNECT.dwg -- ACKERMAN-5 layout -- last saved by jjeans 03/18/2020 03:43pm -- printed 03/18/2020 09:24pm



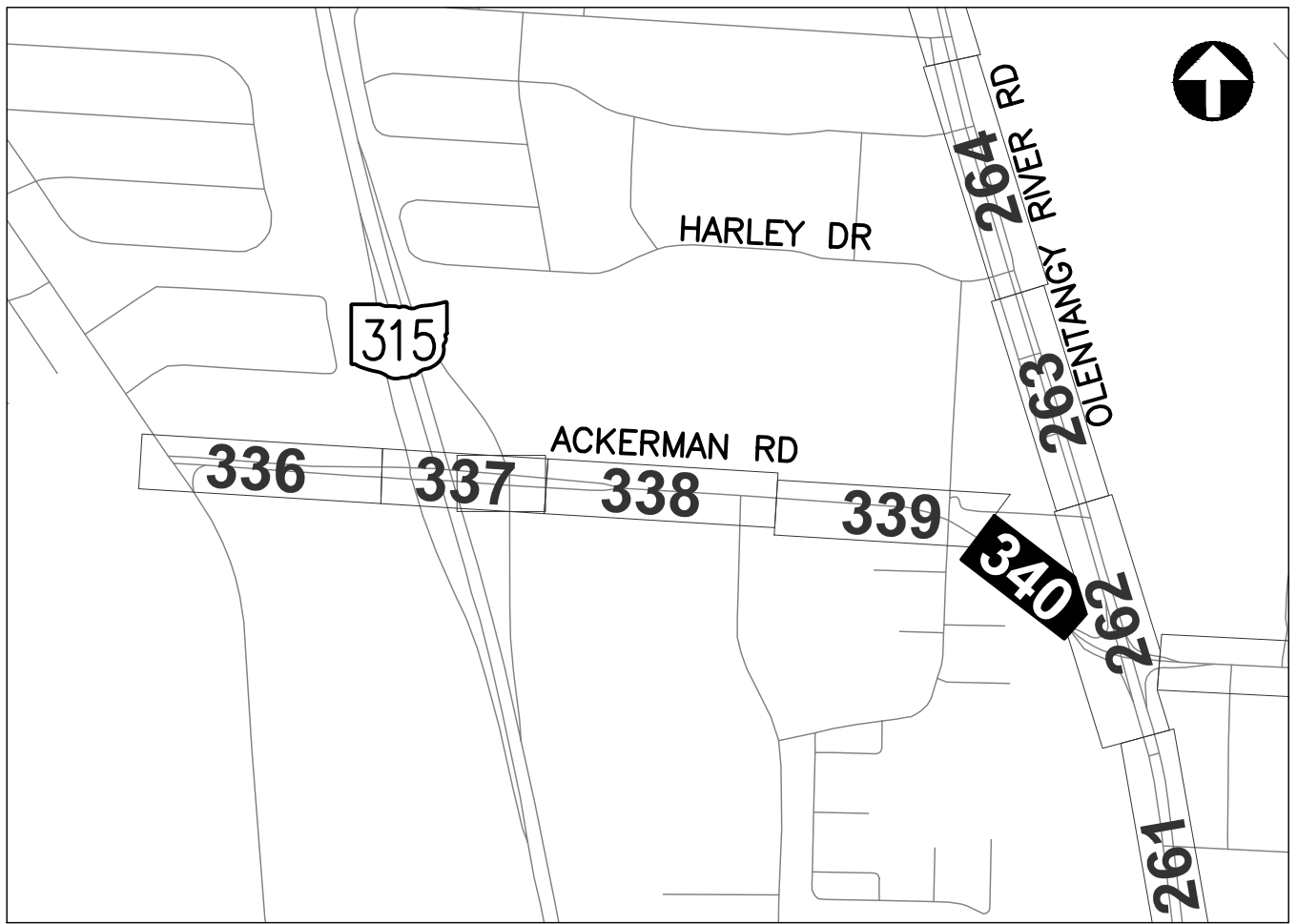
ACKERMAN RD BETWEEN STATION 37+00 AND 43+00

NOTES:

1. SEE SHEET 341 FOR QUANTITIES.
2. SEE SHEET 668 FOR COMMUNICATION DETAILS.

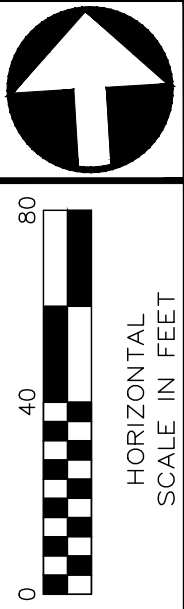


- CITY OF COLUMBUS  
UTILITY LEGEND
- ☐ SEWER
  - ☐ WATER
  - ☒ POWER
  - ☐ LIGHTING



REFER TO SHEET 6 FOR  
INTERCONNECT SHEET INDEX

KEY PLAN  
NOT TO SCALE





| SHEET NO.                                                  | REFERENCE NO. | LOCATION    | STATION       |               | 202                                      | 625                                                        | 625                                    | 625                               | 625                              | 632                                       | 632                                                            | 632                                                            | 632                                                        | 632                                                                       | 632                                                                | 632                                                                            | 632                                                                            | 632                                                     | 633                                                   | 633                                                                            | 633                                                   | 633                                                |                                                                       |  |
|------------------------------------------------------------|---------------|-------------|---------------|---------------|------------------------------------------|------------------------------------------------------------|----------------------------------------|-----------------------------------|----------------------------------|-------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------|--|
|                                                            |               |             | FROM          | TO            | EXISTING CONDUIT<br>CLEANED, AS PER PLAN | CONDUIT, CONCRETE<br>ENCASED, 4-3", 725.05, AS<br>PER PLAN | PULL BOX, CONCRETE<br>32", AS PER PLAN | PULL BOX, REMOVED, AS<br>PER PLAN | TRENCH, 36" DEEP, AS<br>PER PLAN | CONDUIT RISER, 2",<br>725.04, AS PER PLAN | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 144 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>CABLE, 288 STRAND | INTERCONNECT CABLE,<br>MISC.: FIBER OPTIC<br>FUSION SPLICE | INTERCONNECT CABLE,<br>MISC.: REMOVE EXISTING<br>OVERHEAD<br>INTERCONNECT | INTERCONNECT, MISC.:<br>SPLICE ENCLOSURE,<br>CLAMSHELL, 288 SPLICE | INTERCONNECT, MISC.:<br>TERMINATION PANEL, 24<br>FIBER, W/ 200FT DROP<br>CABLE | MESSENGER WIRE, 7<br>STRAND, 1/4" DIAMETER<br>WITH ACCESSORIES, AS<br>PER PLAN | SIGNALIZATION, MISC.:<br>CAT 5E CABLE, OUTDOOR<br>RATED | CABINET, GROUND<br>MOUNTED, TYPE TS-2, AS<br>PER PLAN | CONTROLLER ITEM,<br>MISC.: FIBER OPTIC<br>ETHERNET TRANSCEIVER,<br>SHORT RANGE | CONTROLLER ITEM,<br>MISC.: LAYER 2<br>ETHERNET SWITCH | CONTROLLER ITEM,<br>MISC.: TERMINAL PORT<br>SERVER | CONTROLLER UNIT,<br>SIGNAL CONTROLLER,<br>TYPE TS2/A2, AS PER<br>PLAN |  |
| ACKERMAN RD. BETWEEN STA. 0+00 AND 9+50, INT 4000          |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 336                                                        | TC-1          | ACKERMAN RD | 0+28, 67' LT  |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         | 2                                                     | 1                                                                              |                                                       |                                                    | 1                                                                     |  |
| 336                                                        | IC-5          | ACKERMAN RD | 0+28, 67' LT  | 0+74, 49' LT  | 58                                       |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 336                                                        | SE A-1        | ACKERMAN RD | 0+74, 49' LT  |               |                                          |                                                            |                                        |                                   | 1                                | 75                                        |                                                                | 12                                                             |                                                            | 1                                                                         |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 336                                                        | IC-1          | ACKERMAN RD | 0+74, 49' LT  | 7+42, 85' LT  |                                          |                                                            |                                        |                                   |                                  | 684                                       |                                                                |                                                                | 674                                                        |                                                                           |                                                                    |                                                                                | 684                                                                            |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 336                                                        | IC-2          | ACKERMAN RD | 7+42, 85' LT  |               |                                          |                                                            |                                        |                                   | 1                                | 35                                        |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 336                                                        | IC-3          | ACKERMAN RD | 7+42, 85' LT  | 8+35, 46' LT  |                                          | 104                                                        | 1                                      |                                   | 104                              |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 336                                                        | IC-4          | ACKERMAN RD | 8+35, 46' LT  | 9+50, 46' LT  | 114                                      |                                                            |                                        |                                   |                                  | 114                                       |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| ACKERMAN RD. BETWEEN STA. 9+50 AND 17+00, INTS 4001 & 4002 |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 337                                                        | IC-1          | ACKERMAN RD | 10+50, 46' LT | 11+25, 53' LT | 17                                       |                                                            |                                        |                                   |                                  | 17                                        |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 337                                                        | TC-1          | ACKERMAN RD | 11+25, 53' LT | 15+56, 57' LT |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         | 2                                                     | 1                                                                              |                                                       | 1                                                  |                                                                       |  |
| 337                                                        | IC-7          | ACKERMAN RD | 11+25, 53' LT | 16+48, 40' RT | 13                                       |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    | 1                                                                              |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 337                                                        | SE U-1        | ACKERMAN RD | 11+25, 53' LT |               |                                          |                                                            |                                        |                                   |                                  | 150                                       |                                                                | 24                                                             |                                                            | 1                                                                         |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 337                                                        | IC-2          | ACKERMAN RD | 11+25, 53' LT | 15+56, 57' LT | 431                                      |                                                            |                                        |                                   |                                  | 431                                       |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 337                                                        | TC-2          | ACKERMAN RD | 14+87, 52' RT |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                | 10                                                                             |                                                         |                                                       | 1                                                                              |                                                       | 1                                                  |                                                                       |  |
| 337                                                        | EC-1          | ACKERMAN RD | 14+87, 52' RT | 15+9, 39' LT  |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                | 5                                                                              |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 337                                                        | IC-3          | ACKERMAN RD | 15+56, 57' LT | 16+48, 40' RT | 186                                      |                                                            |                                        |                                   |                                  | 186                                       |                                                                | 186                                                            |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 337                                                        | IC-4          | ACKERMAN RD | 15+56, 57' LT | 16+48, 40' RT | 1                                        |                                                            |                                        |                                   | 1                                | 35                                        |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 337                                                        | IC-5          | ACKERMAN RD | 16+48, 40' RT |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 337                                                        | IC-6          | ACKERMAN RD | 16+48, 40' RT | 17+00, 40' RT |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                | 53                                                             |                                                            |                                                                           |                                                                    |                                                                                | 53                                                                             |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| ACKERMAN RD. BETWEEN STA. 17+00 AND 27+50, INT 4003        |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 338                                                        | IC-1          | ACKERMAN RD | 17+00, 40' RT | 25+28, 53' RT |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                | 42                                                             |                                                            |                                                                           |                                                                    |                                                                                | 42                                                                             |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 338                                                        | TC-1          | ACKERMAN RD | 25+14, 56' RT |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         | 2                                                     | 1                                                                              |                                                       | 1                                                  |                                                                       |  |
| 338                                                        | IC-3          | ACKERMAN RD | 25+14, 56' RT | 25+28, 53' RT | 20                                       |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 338                                                        | SE A-1        | ACKERMAN RD | 25+28, 53' RT |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                | 150                                                            | 24                                                         |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 338                                                        | IC            | ACKERMAN RD | 25+28, 53' RT | 27+50, 41' RT |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                | 226                                                            |                                                            |                                                                           |                                                                    |                                                                                | 226                                                                            |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| ACKERMAN RD. BETWEEN STA. 27+50 AND 37+00, INT 4004        |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 339                                                        | IC-1          | ACKERMAN RD | 27+50, 41' RT | 35+13, 30' RT |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                | 763                                                            |                                                            |                                                                           |                                                                    |                                                                                | 763                                                                            |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 339                                                        | IC-2          | ACKERMAN RD | 35+13, 30' RT | 37+00, 45' LT |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                | 327                                                            |                                                            |                                                                           |                                                                    |                                                                                | 327                                                                            |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 339                                                        | SE A-1        | ACKERMAN RD | 37+00, 45' LT |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                | 611                                                            |                                                            |                                                                           | 1                                                                  |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 339                                                        | IC-3          | ACKERMAN RD | 35+13, 30' RT | 35+15, 35' LT |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    | 1                                                                              |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 339                                                        | TC-1          | ACKERMAN RD | 35+15, 35' LT |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                | 1                                                       | 2                                                     | 1                                                                              |                                                       | 1                                                  |                                                                       |  |
| ACKERMAN RD. BETWEEN STA. 37+00 AND 43+00                  |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
| 340                                                        | IC-1          | ACKERMAN RD | 37+00, 45' LT | 43+00, 59' LT |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                | 611                                                        |                                                                           |                                                                    |                                                                                | 611                                                                            |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       |                                                                                |                                                       |                                                    |                                                                       |  |
|                                                            |               |             |               |               |                                          |                                                            |                                        |                                   |                                  |                                           |                                                                |                                                                |                                                            |                                                                           |                                                                    |                                                                                |                                                                                |                                                         |                                                       | </                                                                             |                                                       |                                                    |                                                                       |  |

**AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.**