CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION

CITY OF COLUMBUS
TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D

FRA-COLUMBUS TRAFFIC SIGNAL SYSTEM-PHASE D

VOLUME 2 OF 3



LOCATION MAP

– PROJECT AREA

SCALE IN MILES

0 2 4 8

STUDY AREA
SEE SHEET 343 OF 1000

VOL. 1 – INTERCONNECT SHEETS 1 TO 341
VOL. 2 – INTERCONNECT SHEETS 342 TO 649
VOL. 3 – COMMUNICATIONS SHEETS 650 TO 1000

INDEX OF VOLUME 2 SHEETS

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BLANK SHEETS.....378-385
INTERCONNECT PLANS AND INTERSECTION DETAILS.....386-649

FEDERAL PROJECT NUMBER
E080(964)

CIP: 540007-100006
PID NUMBER: 82573

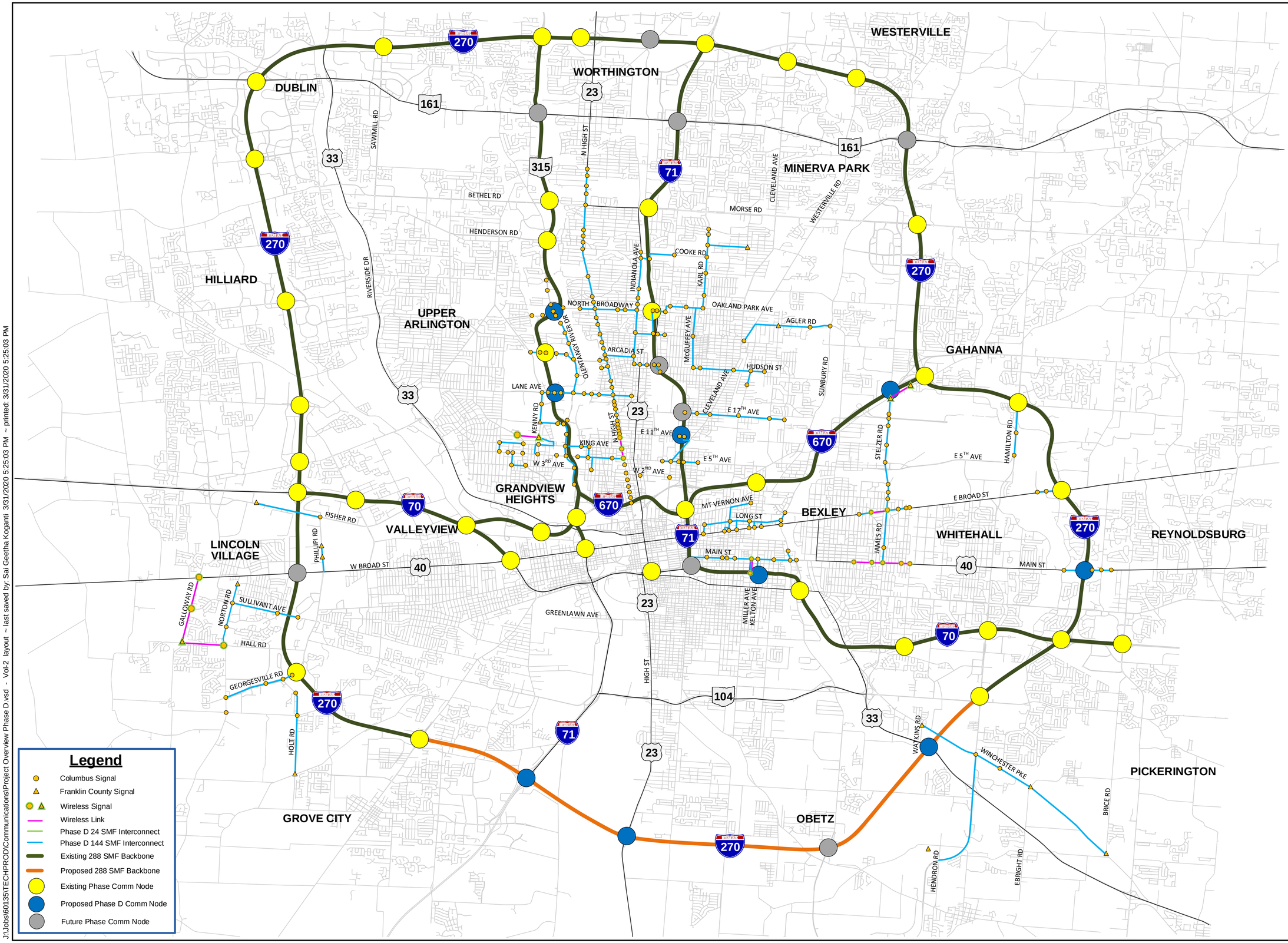
TITLE SHEET
VOLUME 2 OF 3

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

342
1000

3150-E

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Legend

- Columbus Signal
- Franklin County Signal
- Wireless Signal
- Wireless Link
- Phase D 24 SMF Interconnect
- Phase D 144 SMF Interconnect
- Existing 288 SMF Backbone
- Proposed 288 SMF Backbone
- Existing Phase Comm Node
- Proposed Phase D Comm Node
- Future Phase Comm Node

NOT TO SCALE

CIP: 540007-10006
PID NUMBER: 82573

COMMUNICATIONS OVERVIEW MAP

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

343
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EXISTING TRAFFIC SYMBOL LEGEND

- SIGNAL HEAD
- TR — EXISTING TRAFFIC CONDUIT
- EXISTING WOODEN UTILITY POLE
- EXISTING OVERHEAD SIGN
- EXISTING STRAIN POLE
- CB — EXISTING SIGNAL CONTROLLER
- PS — EXISTING POWER SUPPLY
- MAST ARM
- RAMP METER, EXISTING
- CCTV — 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
- E — EXISTING 4' SQUARE VAULT
- EXISTING COMMUNICATION NODE
- SPLICE — EXISTING SPLICE ENCLOSURE
- EXISTING PEDESTRIAN SIGNAL/CROSSWALK PUSH BUTTON POLE
- PED — PEDESTRIAN CROSSWALK SIGNAL
- AMP — COAXIAL AMPLIFIER CABINET
- VD — EXISTING VIDEO TRAFFIC DETECTOR

UTILITY LEGEND

- CATCH BASIN
- SEWER GRATE
- HYDRANT
- MANHOLE
- C — COMBINED MANHOLE
- D ST — STORM MANHOLE
- S — SANITARY MANHOLE
- W — WATER VALVE
- ST — STORM DRAIN
- S — SANITARY LINE
- W — WATER
- C — COMBINED LINE
- E P E — UNDERGROUND ELECTRIC/POWER LINE
- G G — GAS LINE
- PT — PETROLEUM TRANSMISSION LINE
- GUY WIRE
- GUY ANCHOR

POWER, LIGHTING AND COMMUNICATIONS LEGEND

- LIGHTING CENTER
- L — LIGHTING CONDUIT
- T — TELECOMMUNICATIONS CONDUIT
- HIGH MAST LIGHTING TOWERS
- T — EXISTING TELECOMMUNICATIONS PULL BOX
- E — EXISTING ELECTRICAL PULL BOX
- LUMINARIES
- UTILITY POLE
- LIGHT POLE
- POWER/LIGHT POLE
- TELEPHONE/POWER POLE
- TELEPHONE POLE
- POWER POLE
- TRANSMISSION POWER POLE
- 1234 — STREET ADDRESS
- FO — EXISTING FIBER OPTIC CABLE
- TRANSMISSION TOWER
- T — GROUND MOUNTED TRANSFORMER

LAND FEATURE LEGEND

- RAILROAD
- LAKES, RIVERS AND STREAMS
- HEADWALL
- UT — EXISTING UNDERGROUND TANKS
- NOISE WALL
- CABLE BARRIER
- GUARDRAIL
- FENCE
- CENTER LINE
- LA RW — LIMITED ACCESS (RIGHT OF WAY)
- RR R/W — RAILROAD RIGHT OF WAY
- R/W — RIGHT OF WAY LINE
- WS — WARRANTY DEED FOR SCENIC PURPOSES
- UTILITY EASEMENT
- SH SH — STANDARD HIGHWAY RIGHT OF WAY
- EDGE OF PAVEMENT
- ROAD DASH STRIPING
- LANE STRIPING
- FLAG POLE

ABBREVIATIONS

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
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

EXISTING UTILITY POLES

- AEP 1865463 760636 — AEP POLE WITH XY COORDINATES
- AT&T 1877088 758521 — AT&T POLE WITH XY COORDINATES
- DOP 760636 — DOP POLE WITH SIX DIGIT ID
- UNK NO ID FV — EXISTING POLE MISSING ID (FIELD VERIFIED)

CONNECTION TYPE
- PC — POLE CLAMP
- SO — STAND OFF
- NC — NO CONTACT

POLE TYPE
- SP — STRAIN POLE
- LP — LIGHT POLE
- MP — MISC. UTILITY POLE

3150-E

CIP: 540007–100006
PID NUMBER: 82573

EXISTING LEGEND & ABBREVIATIONS

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

344
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PROPOSED ITS LINETYPES, EXISTING INFRASTRUCTURE

AEF 24 — AEF 24 — AEF 24	EXISTING AERIAL INTERCONNECT, PROPOSED 24 FIBER OVERLASHED TO EXISTING IC
AEF DROP 24 — AEF DROP 24	EXISTING AERIAL INTERCONNECT, PROPOSED 24 FIBER DROP OVERLASHED TO EXISTING IC
AEF 144	EXISTING AERIAL INTERCONNECT, PROPOSED 144 FIBER OVERLASHED TO EXISTING IC
ARF 24 — ARF 24 — ARF 24	EXISTING AERIAL INTERCONNECT, REPLACE WITH 24 FIBER
ARF DROP 24 — ARF DROP 24	EXISTING AERIAL INTERCONNECT, REPLACE WITH 24 FIBER DROP
ARF 144	EXISTING AERIAL INTERCONNECT, REPLACE WITH 144 FIBER
ARP — ARP	EXISTING AERIAL POWER, REPLACE WITH PROPOSED POWER CABLE
UE5 — UE5	EXISTING UNDERGROUND CONDUIT, PROPOSED CAT 5
UEF 24 — UEF 24 — UEF 24	EXISTING UNDERGROUND CONDUIT, PROPOSED 24 FIBER
UEF DROP 24 — UEF DROP 24	EXISTING UNDERGROUND CONDUIT, PROPOSED 24 FIBER DROP
UEF DROP 72 — UEF DROP 72	EXISTING UNDERGROUND CONDUIT, PROPOSED 72 FIBER DROP
UEF 144	EXISTING UNDERGROUND CONDUIT, PROPOSED 144 FIBER
UEF 288	EXISTING UNDERGROUND CONDUIT, PROPOSED 288 FIBER
URF 24 — URF 24 — URF 24	EXISTING UNDERGROUND CONDUIT, REPLACE EX IC WITH PROPOSED 24 FIBER
URF DROP 24 — URF DROP 24	EXISTING UNDERGROUND CONDUIT, REPLACE EX IC WITH PROPOSED 24 FIBER DROP
URF 144	EXISTING UNDERGROUND CONDUIT, REPLACE EX IC WITH PROPOSED 144 FIBER
SEF 144	EXISTING STRUCTURAL CONDUIT, PROPOSED 144 FIBER
SRF 144	EXISTING STRUCTURAL CONDUIT, REPLACE EX IC WITH PROPOSED 144 FIBER
SEF 288	EXISTING STRUCTURAL CONDUIT, PROPOSED 288 FIBER
X — X — X — X	EXISTING INTERCONNECT TO BE REMOVED

PROPOSED ITS LINETYPES, PROPOSED INFRASTRUCTURE

AP5 — AP5	PROPOSED AERIAL CABLE, PROPOSED CAT 5
APC — APC — APC — APC	PROPOSED AERIAL CABLE, PROPOSED CCTV COMPOSITE CABLE
APF 24 — APF 24 — APF 24	PROPOSED AERIAL INTERCONNECT, PROPOSED 24 FIBER
APF DROP 24 — APF DROP 24	PROPOSED AERIAL INTERCONNECT, PROPOSED 24 FIBER DROP
APF 144	PROPOSED AERIAL INTERCONNECT, PROPOSED 144 FIBER
UPF 24 — UPF 24 — UPF 24	PROPOSED UNDERGROUND CONDUIT, PROPOSED 24 FIBER
UPF DROP 24 — UPF DROP 24	PROPOSED UNDERGROUND CONDUIT, PROPOSED 24 FIBER DROP
UPF 144	PROPOSED UNDERGROUND CONDUIT, PROPOSED 144 FIBER
UPF 288	PROPOSED UNDERGROUND CONDUIT, PROPOSED 288 FIBER
UPP — UPP	PROPOSED UNDERGROUND CONDUIT, PROPOSED UNDERGROUND POWER
UP5 — UP5	PROPOSED UNDERGROUND CONDUIT, PROPOSED CAT 5
UPC — UPC — UPC — UPC	PROPOSED UNDERGROUND CONDUIT, PROPOSED CCTV COMPOSITE CABLE
SPF 144	PROPOSED STRUCTURAL CONDUIT, PROPOSED 144 FIBER
SPF 288	PROPOSED STRUCTURAL CONDUIT, PROPOSED 288 FIBER
// — // — // — // — //	PROPOSED GUY WIRE
APP — APP	PROPOSED AERIAL POWER

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:

IC–# — FIBER OPTIC CABLE
INSTALLED IN EXISTING CONDUIT (CONDUIT CLEANED) OR NEW CONDUIT
- INSTALLED IN NEW CONDUIT
- INSTALLED ON NEW MESSENGER WIRE
- OVERLASHED TO EXISTING OVERHEAD INTERCONNECT
- REPLACING EXISTING OVERHEAD INTERCONNECT

SE %–# — FIBER OPTIC SPLICE ENCLOSURE
- % – DENOTES ENCLOSURE TYPE
- A: AERIAL, U: UNDERGROUND

SLK–% ###' — FIBER OPTIC CABLE SLACK
- % – DENOTES SLACK TYPE
- A: AERIAL, U: UNDERGROUND
- ###': LENGTH OF SLACK

R–# — REMOVE EXISTING EQUIPMENT

CN–# — COMMUNICATIONS NODE CABINET

TC–# — SIGNAL CONTROL CABINET
- 24 STRAND FIBER OPTIC TERMINATION PANEL
- LAYER 2 ETHERNET NETWORK SWITCH
- FIBER OPTIC–ETHERNET TRANSCEIVER
- ETHERNET–SERIAL DATA TERMINAL SERVER OR TRAFFIC SIGNAL CONTROLLER

EC–# — EQUIPMENT DATA/POWER CABLE

EC–# IC–# — EQUIPMENT DATA/POWER CABLE AND FIBER OPTIC CABLE

IC–# IC–# — FIBER OPTIC CABLE, TWO VARYING TYPES

WR–# — WIRELESS NETWORK RADIO

CTV–# — CCTV TRAFFIC SURVEILLANCE CAMERA

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.
(S#)	EXISTING OVERHEAD SIGN CALLOUT

PROPOSED ITS SYMBOL LEGEND

	PROPOSED WOODEN UTILITY POLE
	PROPOSED STRAIN POLE
	PROPOSED GUY WIRE ANCHOR
CB	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

3150-E

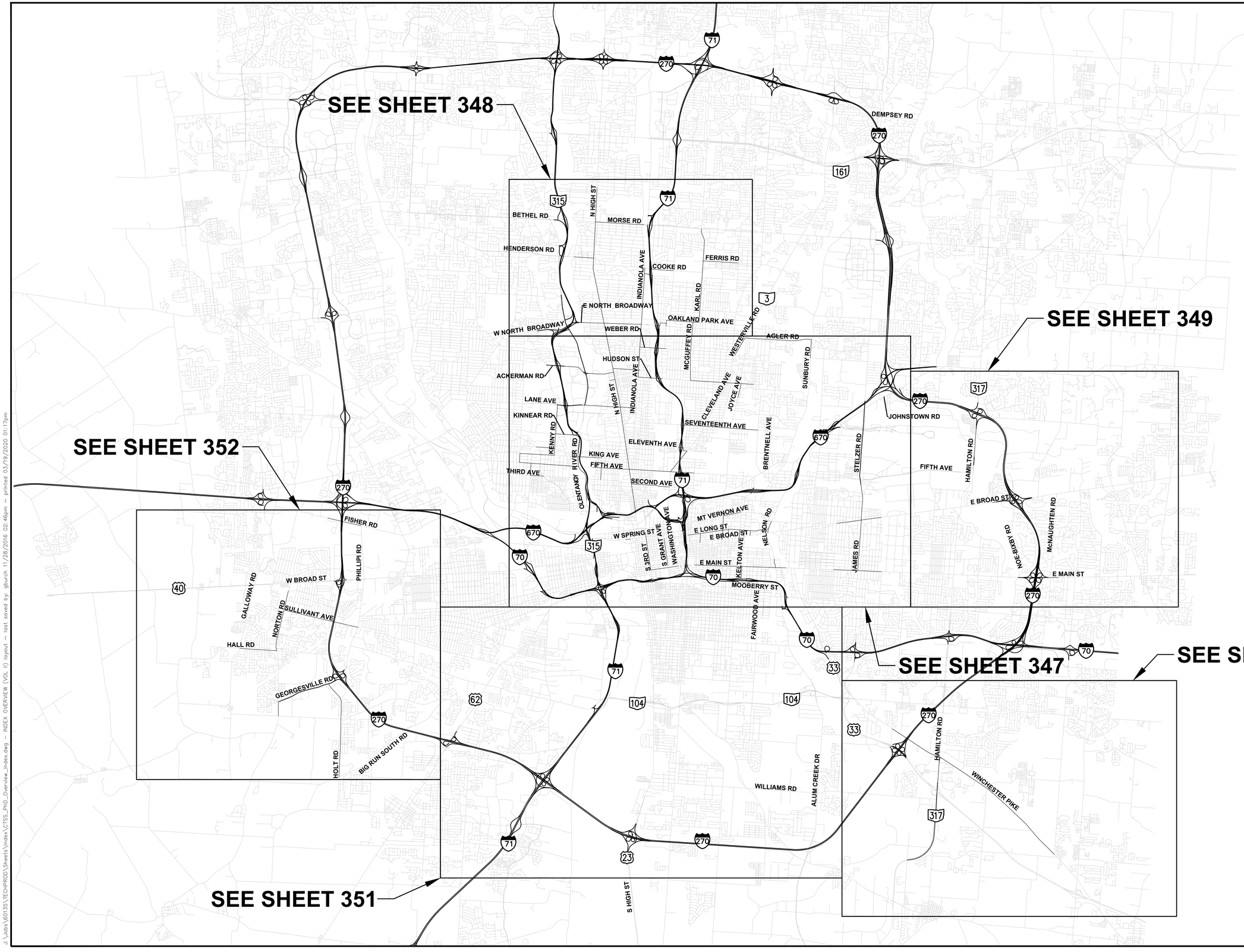
CIP: 540007–100006
PID NUMBER: 82573

PROPOSED LINETYPE AND SYMBOL LEGEND

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

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HORIZONTAL SCALE IN FEET
0 5000 10000

CIP: 540007–100006
PID NUMBER: 82573

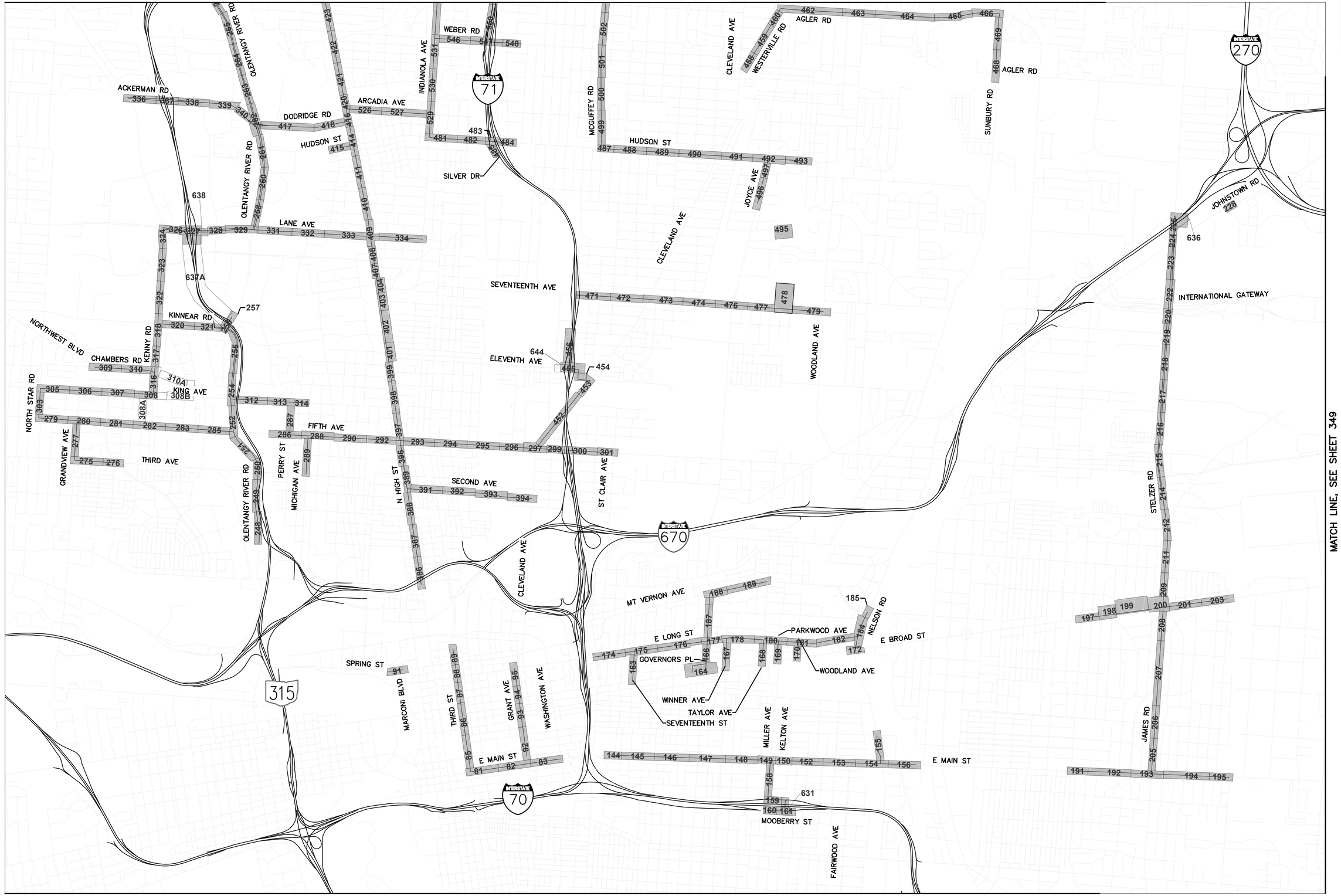
INTERCONNECT SHEET INDEX
OVERVIEW

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

346
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3150-E

MATCH LINE, SEE SHEET 348



MATCH LINE, SEE SHEET 351

3150-E

MATCH LINE, SEE SHEET 349

HORIZONTAL SCALE IN FEET
0 1500 3000

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT SHEET INDEX
(1 OF 6)

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

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MATCH LINE, SEE SHEET 347

HORIZONTAL SCALE IN FEET
0 1500 3000

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT SHEET INDEX
(2 OF 6)

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

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3150-E

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3150-E

HORIZONTAL SCALE IN FEET
0
1500
3000

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT SHEET INDEX
(3 OF 6)

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

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0 1500 3000
HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT SHEET INDEX
(4 OF 6)

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

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3150-E

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MATCH LINE, SEE SHEET 347

MATCH LINE, SEE SHEET 352

MATCH LINE, SEE SHEET 350

INTERSTATE 71

INTERSTATE 270

US 23

GREENLAWN AVE

HARRISBURG PIKE

STRINGTOWN RD

568 569 570 571 572 573 574 575 576 577 578 579 580 582 583 584 585 586 587

629

627

3150-E

HORIZONTAL SCALE IN FEET
0 1500 3000

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT SHEET INDEX
(5 OF 6)

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

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MATCH LINE, SEE SHEET 351

3150-E

0 1500 3000
HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT SHEET INDEX
(6 OF 6)

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

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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

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
3260	485	788	INT# 3260: 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

INDEX LIST
PLAN SHEETS SET 1 OF 2
FOR PLAN SHEETS

CIP: 540007–100006
PID NUMBER: 82573

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

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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	626	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
SPLICE-01	144	910	SPLICE-01: ALLEN AVE. AT E MAIN ST.	E MAIN ST.	STA. 53+00 TO 59+00
SPLICE-02	288	815	SPLICE-02: FIFTH AVE. AT MICHIGAN AVE.	FIFTH AVE.	STA. 92+00 TO 103+00
SPLICE-03				0	0
SPLICE-04	178	865	SPLICE-04: E LONG ST. AT WINNER AVE.	E LONG ST.	STA. 1046+00 TO 1057+00
SPLICE-05	180	867	SPLICE-05: E LONG ST. AT PARKWOOD AVE.	E LONG ST.	STA. 1057+00 TO 1068+00
SPLICE-06	126	953	SPLICE-06: BROAD ST. AT GEORGESVILLE RD./PHILLIPI RD.	GEORGESVILLE RD./PHILLIPI RD.	STA. 1160+50 TO 1163+00
SPLICE-07	613	931	SPLICE-07: HAMILTON RD. AT HENDRON RD. (EAST MAINTENANCE)	HENDRON RD. (EAST MAINTENANCE)	STA. 34+00 TO 45+50
SPLICE-08	598	923	SPLICE-08: IR-270 AT WINCHESTER PIKE	WINCHESTER PIKE	STA. 16+00 TO 38+00
SPLICE-10	586	959	SPLICE-10: ALUM CREEK DR. AT I-270	I-270	STA. 2572+50 TO 2599+00
SPLICE-11	620	929	SPLICE-11: SR-317 AT US-33	SR-317	STA. 97+00 TO 119+00
SPLICE-12	181	868	SPLICE-12: E LONG ST. AT WOODLAND AVE.	E LONG ST.	STA. 1068+00 TO 1078+00
SPLICE-13	508	830	SPLICE-13: MCGUFFEY RD. AT OAKLAND PARK AVE.	OAKLAND PARK AVE.	STA. 92+00 TO 103+00

CIP: 540007–100006
PID NUMBER: 82573

INDEX LIST
FOR PLAN SHEETS SET 2 OF 2

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

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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 SEPARTION 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~~		~~1~~	~~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 (WO1322816)
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

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
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 ±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'

IF THE VERTICAL SEPARATION IS LESS THAN ONE FOOT (1') OR IF THE ELEVATION IS NOT SHOWN OR IS LISTED AS UND, THE CONTRACTOR SHALL EXPOSE THE EXISTING UTILITY AND ADJUST THE PROPOSED CONDUIT DEPTH TO 18"–60" TO MEET VERTICAL CLEARANCE REQUIREMENTS BY DIRECTION OF THE CITY OF COLUMBUS REPRESENTATIVE.

CIP: 540007–100006
PID NUMBER: 82573

UTILITY CROSSING INDEX
1 OF 2

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

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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 SEPARTION FEET	UTILITY REFERENCE PLAN OR OWNER
582		1	2687+14, 22' RT	24' WATER	727.3 S	734.7 FG	731.7	4.4	CTP0629_004
582		2	2686+87, 23' RT	6" GAS	-	735.2 FG	732.2	-	COLUMBIA GAS
585		1	2618+18, 18' RT	12" SANITARY	733.2 S	745.5 FG	742.5	9.3	C02010 (CC-1325)
585		2	2609+30, 22' RT	GAS	-	732.0 FG	729.0	-	COLUMBIA GAS
585		3	2605+34, 19' RT	24" SANITARY	722.0 S	732.0 FG	729.0	7.0	Obetz_D (FRA-270-11.59S)
586		1	2588+54, 19' RT	30" WATER	717.5 S	726.0 FG	723.0	5.5	CTP0619_005
589		1	2535+29, 14' RT	15" STORM	764.0 C	767.0 FG	765.0 *(+)	1.0	FRA-270-15.19S
589		2	2535+00, 12' RT	42" STORM	723.6 S	766.8 FG	763.8	40.2	FRA-270-15.19S
589		3	2534+32, 8' RT	24" SANITARY	715.0 C	766.1 FG	763.1	48.1	RP04268
589		4	2519+75, 12' RT	GAS PIPELINE	-	742.9 FG	739.9	-	COLUMBIA GAS PIPELINE
589		5	2519+51, 12' RT	GAS PIPELINE	-	742.5 FG	739.5	-	COLUMBIA GAS PIPELINE
591		1	2485+42, 20' RT	102" SANITARY	713.7 C	734.0 FG	731.0	17.3	RP02492
593	598	1	2421+93, 16' RT	16" WATER	737.7 S	746.8 FG	743.8	6.1	CTP0477_003
593	598	2	2421+78, 16' RT	6" GAS	-	746.6 FG	743.6	-	COLUMBIA GAS
594		1	2389+28, 12' RT	36" SANITARY	724.2 C	744.0 FG	741.0	16.8	RP02632
595		1	2379+78, 13' RT	15" STORM	97.0 LEVB	101.4 REF	98.4	1.4	FRA-270-18.15S
595		2	2369+24, 14' RT	12" STORM	97.3 LEVB	102.5 REF	99.5	2.2	FRA-270-18.15S
598	593	1	26+09, 48' RT	16" WATER	737.7 S	746.8 FG	743.8	6.1	CTP0477_003
598	593	2	2421+78, 16' RT	6" GAS	-	746.6 FG	743.6	-	COLUMBIA GAS
624		1	2441+19, 615' RT	LIGHTING	-	747.6 FG	744.6	-	FRA-270-(42.82),(46.13),(48.98)
624		2	2441+65, 722' RT	LIGHTING	-	748.0 FG	745.0	-	FRA-270-(42.82),(46.13),(48.98)
627	578	1	2785+82, 7' RT	LIGHTING	-	694.0 FG	691.0	-	FRA-270-51.50
627	578	2	2785, 82, 7' RT	12" WATER	689.0 S	694.0 FG	691.0	2.0	CTP0600_013
627	578	3	2785+01, 5' RT	TRAFFIC CONDUIT	-	695.0 FG	692.0	-	FRA-270-51.50
627	578	4	2784+39, 3' RT	LIGHTING	-	695.5 FG	692.5	-	FRA-270-51.50
629	572	1	2900+84, 141' RT	LIGHTING	-	735.5 FG	732.5	-	FRA-71-9.74
629	572	2	2901+11, 141' RT	LIGHTING	-	735.6 FG	732.6	-	FRA-71-9.74
629	572	3	2901+03, 180' RT	POWER	-	749.3 FG	746.3	-	LOCATED BY SURVEY
634	231	1	426+84, 53' RT	LIGHTING	-	792.0 FG	789.0	-	FRA-270-41.32
634	231	2	427+30, 53' RT	LIGHTING	-	792.2 FG	789.2	-	FRA-270-41.32
634	231	3	428+51, 47' RT	TRAFFIC CONDUIT	-	797.7 FG	794.7	-	LOCATED BY SURVEY
634		4	429+77, 399' LT	15" STORM	787.0 S	792.0 FG	789.0	2.0	FRA-270-20.21S&31.76N
634		5	432+46, 671' LT	42" STORM	782.2 C	794.3 FG	791.3	9.1	FRA-270-20.21S&31.76N
634		6	433+11, 723' LT	21" SANITARY (ABAN)	789.4 C	796.0 FG	793.0	3.6	RP01976
634		7	434+65, 856' LT	LIGHTING	-	798.6 FG	795.6	-	FRA-270-20.21S&31.76N
636	225	8	99+81, 49' RT	12" STORM	807.5 C	810.7 LEVC	808.5 *(+)	1.0	E02908_032
636	225	9	99+83, 53' RT	12" STORM	807.4 C	810.7 LEVC	808.4 *(+)	1.0	E02908_032
638	327	1	62+19, 135' LT	24" STORM	735.0 S	738.0 LEVC	736.0 *(+)		E02856_028
638	327	2	62+37, 137' LT	LIGHTING	-	736.0 FG	733.0		E02856
638	327	3	64+76, 151' LT	TRAFFIC CONDUIT	-	757.0 FG	754.0		E02856
638	327	4	65+42, 70' LT	36" STORM	733.3 S	740.0 LEVC	737.0		FRA-315-2.85
638	327	5	65+51, 42' RT	LIGHTING	-	740.5 FG	737.5	-	E02856_032
638	327	6	65+54, 75' RT	48" STORM	733.2 C	747.0 FG	744.0	10.8	E02856_040
638	327	7	65+56, 105' RT	TRAFFIC CONDUIT	-	748.5 FG	745.5	-	E02856_032
638	327	8	66+41, 123' RT	LIGHTING	-	741.0 FG	738.0	-	E02856_032
638	327	9	66+58, 124' RT	TRAFFIC CONDUIT	-	742.0 FG	739.0	-	E02856_032
638	327	10	67+14, 44' RT	54" STORM	731.6 S	742.0 FG	739.0	7.4	E02856_040
638	327	11	67+05, 52' LT	LIGHTING	-	742.5 FG	739.5	-	E02856_032
638	327	12	66+44, 351' RT	TRAFFIC CONDUIT	-	750.5 FG	747.5	-	E02856_032
641	268	1	257+19, 88' LT	72" STORM	739.5 S	740.0 LEVB	729.5 *(-)	-10.0	FRA-315-5.20
641	268	2	258+02, 85' LT	6" GAS	733.3 LEVA	740.1 LEVB	737.1	3.8	E03004
641	268	3	258+27, 82' LT	LIGHTING	-	741.0 LEVB	738.0	-	E03004
641	268	4	258+60, 77' LT	15" STORM	739.9 LEVB	740.9 LEVB	736.9 *(-)	-3.0	FRA-315-5.20
641	268	5	258+96, 72' LT	TRAFFIC CONDUIT	-	741.4 LEVB	738.4	-	E02643
641	268	6	259+11, 70' LT	TRAFFIC CONDUIT	-	742.5 LEVB	739.5	-	E03150
641	268	7	259+27, 58' LT	FIBER OPTIC	-	742.9 LEVB	739.9	-	E03004
641	268	8	259+27, 54' LT	15" STORM	740.7 S	742.9 LEVB	737.6 *(-)	-3.1	FRA-315-5.20
641	268	9	259+28, 45' LT	20" WATER	738.3 LEVA	742.4 LEVB	735.3 *(-)	-3.0	CTP0161_020
641	268	10	259+28, 45' LT	8" WATER	740.5 LEVA	742.4 LEVB	735.3 *(-)	-5.2	LOCATED BY SURVEY
641	268	11	259+36, 31' RT	42" WATER	736.8 LEVA	742.1 LEVB	739.1	2.3	CTP0786_018
646	553	1	162+58, 53' RT	8" SANITARY	856.1 C	862.4 FG	859.4	3.3	RP01327

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'

IF THE VERTICAL SEPARATION IS LESS THAN ONE FOOT (1') OR IF THE ELEVATION IS NOT SHOWN OR IS LISTED AS UND, THE CONTRACTOR SHALL EXPOSE THE EXISTING UTILITY AND ADJUST THE PROPOSED CONDUIT DEPTH TO 18"–60" TO MEET VERTICAL CLEARANCE REQUIREMENTS BY DIRECTION OF THE CITY OF COLUMBUS REPRESENTATIVE.

CIP: 540007–100006
PID NUMBER: 82573

UTILITY CROSSING INDEX
2 OF 2

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

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R3-1
S1



R3-2
S2



CM-R023.02
S3



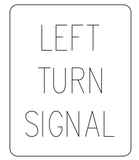
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S4



R3-9B
S5



S6



R10-10L
S7



R3-5L
S8



R3-5R
S9



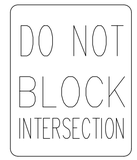
R10-12
S10



S10



S11



R10-7
S12



R5-1
S13



R6-2L
S14



R6-2R
S15



R6-7
S16



R6-6
S17



S18



R9-3a
S19



R3-5a
S20



R3-6R
S21



R3-6LU
S22



R3-17
S23



S24



R5-1A
S25



R5-2
S26



S27



D4-1
S28



D4-1
S29



D4-1
S30



R5-H2c
S31



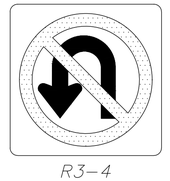
R3-6L
S32



S33



S34



R3-4
S35



S36



R10-5
S37



S38



S39

S40

EXISTING OVERHEAD SIGNAGE SHOWN ON PLAN SHEETS

3150-E

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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LOCATION	SHEET NO.	202 EXISTING CONDUIT CLEANED, AS PER PLAN FT	202 REMOVAL, MISC.: REMOVE EXISTING AERIAL STANDOFF, POLE MOUNTED EACH	202 REMOVAL, MISC.: REMOVE EXISTING WOOD POLE EACH	202 REMOVAL, MISC.: REMOVE MEDIAN BARRIER WALL FT	202 WALK REMOVED SF	608 8" CONCRETE WALK SF	609 CONCRETE MEDIAN, AS PER PLAN CY	609 CURB, STRAIGHT 18" FT	622 BARRIER, MISC.: MEDIAN BARRIER WALL FT	625 36" MEDIAN JUNCTION BOX EACH	625 BRACKET ARM, 30', AS PER PLAN EACH	625 CONDUIT, 2", AS PER PLAN FT	625 CONDUIT, 3", AS PER PLAN FT	625 CONDUIT, 4", AS PER PLAN FT	625 CONDUIT, CONCRETE ENCASED, 2-3", 725.05, AS PER PLAN FT	625 CONDUIT, CONCRETE ENCASED, 4-3", 725.05, AS PER PLAN FT	625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN FT	625 CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN FT	625 CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE FT
HIGH ST.	390	481										1									
SECOND AVE.	395																				
HIGH ST.	400	708																			
HIGH ST.	405	1255				200	200					3		18							
HIGH ST.	406																				
HIGH ST.	412	626				400	400		10					32			69				
HIGH ST.	413																				
HIGH ST.	419	195																			
HIGH ST.	425	71																			
HIGH ST.	432	300				60	50					1	31								
HIGH ST.	440	2261																			
HIGH ST.	447	12										1									
MORSE RD.	45					50	50									2					
CLEVELAND AVE.	47	1257																			
WESTERVILLE RD.	461																				
AGLER RD.	467	1779										1				36					
SUNBURY RD.	47	13										1									
SEVENTEENTH AVE.	47																				
SEVENTEENTH AVE.	480	170												439							
HUDSON ST.	486	1120										1									
HUDSON ST.	494	15										1									
JOYCE RD.	498															8					
MCGUFFEY RD.	505																				
OAKLAND PARK AVE.	510																				
KARL RD.	516																				
KARL RD.	522	467																			
FERRIS RD.	525																				
ARCADIA AVE.	528																				
INDIANOLA AVE.	535	11																			
INDIANOLA AVE.	541	17																			
COOKE RD.	545	31														668		197			
WEBER RD.	549															9					
SILVER DR.	552																				
NORTH BROADWAY	558	973														7		760			
NORTH BROADWAY	567	792				100	100										316	612		432	
I-270	574	177													28386				730		
I-270	581														29274				1018	2550	
SUB TOTAL		**19,357**				**810**	**800**		**10**			**11**	**31**	**489**	**57,660**	**757**	**385**	**1,569**	**1,748**	**2,982**	

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

CIP: 540007-100006
PID NUMBER: 82573

SUB SUMMARY
VOLUME

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

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LOCATION	SHEET NO.	625 CONDUIT, MISC.: CONDUIT RESTORATION FT	625 DISTRIBUTION CABLE, NO. 1 FT	625 DISTRIBUTION CABLE, NO. 2 FT	625 DISTRIBUTION CABLE, NO. 2/0 FT	625 DISTRIBUTION CABLE, NO. 3/0 FT	625 DISTRIBUTION CABLE, NO. 4 FT	625 DISTRIBUTION CABLE, NO. 6 FT	625 GROUND ROD EACH	625 POWER SERVICE, TYPE A, AS PER PLAN EACH	625 POWER SERVICE, TYPE B, AS PER PLAN EACH	625 POWER SERVICE, TYPE C, AS PER PLAN EACH	625 POWER SERVICE, TYPE D, AS PER PLAN EACH	625 POWER SERVICE, TYPE E, AS PER PLAN EACH	625 POWER SERVICE, TYPE F, AS PER PLAN EACH	625 POWER SERVICE, TYPE G, AS PER PLAN EACH	625 POWER SERVICE, TYPE H, AS PER PLAN EACH	625 POWER SERVICE, TYPE I, AS PER PLAN EACH	625 POWER SERVICE, TYPE J, AS PER PLAN EACH	625 POWER SERVICE, TYPE K, AS PER PLAN EACH
HIGH ST.	390																			
SECOND AVE.	395																			
HIGH ST.	400																			
HIGH ST.	405																			
HIGH ST.	406																			
HIGH ST.	412																			
HIGH ST.	413																			
HIGH ST.	419																			
HIGH ST.	425																			
HIGH ST.	432																			
HIGH ST.	4[illegible]0																			
HIGH ST.	447																			
MORSE RD.	45[illegible]																			
CLEVELAND AVE.	457																			
WESTERVILLE RD.	46[illegible]																			
AGLER RD.	46[illegible]																			
SUNBURY RD.	47[illegible]																			
SEVENTEENTH AVE.	475																			
SEVENTEENTH AVE.	480																			
HUDSON ST.	486																			
HUDSON ST.	494																			
JOYCE RD.	498																			
MCGUFFEY RD.	505																			
OAKLAND PARK AVE.	510																			
KARL RD.	516																			
KARL RD.	522																			
FERRIS RD.	525																			
ARCADIA AVE.	528																			
INDIANOLA AVE.	535																			
INDIANOLA AVE.	541																			
COOKE RD.	545																			
WEBER RD.	549																			
SILVER DR.	552																			
NORTH BROADWAY	558																			
NORTH BROADWAY	567																			
I-270	574																			
I-270	581																			
SUB TOTAL																				

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

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CIP: 540007-100006
PID NUMBER: 82573

SUB SUMMARY
VOLUME 2 – SHEET 1B

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

LOCATION	SHEET NO.	625 PULL BOX, 18", 725.06, AS PER PLAN EACH	625 PULL BOX, 18", 725.08, AS PER PLAN EACH	625 PULL BOX, 24", 725.08 EACH	625 PULL BOX, CONCRETE 32", AS PER PLAN EACH	625 PULL BOX, CONCRETE 48", AS PER PLAN EACH	625 PULL BOX, REMOVED, AS PER PLAN EACH	625 TRENCH, 36" DEEP, AS PER PLAN FT	625 TRENCH IN PAVED AREA, AS PER PLAN FT	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 CONDUIT RISER, 2", 725.051, AS PER PLAN EACH	632 DOWN GUY EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT FT	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT FT	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING UNDERGROUND INTERCONNECT FT	632 INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED EACH
HIGH ST.	390									4			5,714			546		4,008		
SECOND AVE.	395												4,9[illegible]			6[illegible]	70	4,094		
HIGH ST.	400									3			[illegible]00			3[illegible]		3,171		
HIGH ST.	405							18		4			4,356	818		156		3,327		
HIGH ST.	406																			
HIGH ST.	41[illegible]					[illegible]		32	6[illegible]				5,79[illegible]			[illegible]08		116		
HIGH ST.	413																			
HIGH ST.	419									1			5,117	773		300		3,244		
HIGH ST.	425												6,386			348		4,834		
HIGH ST.	432							31		1[illegible]			1,25[illegible]			3[illegible]		[illegible],384		
HIGH ST.	440												[illegible],6[illegible]			4[illegible]6		[illegible],497		
HIGH ST.	4[illegible]									4			6,7[illegible]2			3[illegible]2		[illegible],897		
MORSE RD.	451							29		1		3	5,967			144				
CLEVELAND AVE.	457					1	1			1			7,26[illegible]	1,56[illegible]		336	75	3,54[illegible]		
WESTERVILLE RD.	46[illegible]												[illegible],0[illegible]6			12				
AGLER RD.	46[illegible]							36		3			[illegible],70[illegible]			[illegible]2				
SUNBURY RD.	470																			
SEVENTEENTH AVE.	475									2			5,771			264	2,409			
SEVENTEENTH AVE.	480				2			39		1			4,672	7[illegible]		120	2,182			
HUDSON ST.	486									3			3,630	72[illegible]		276		2,139		
HUDSON ST.	494									4			8,899			492		7,435		
JOYCE RD.	498					1		8		1			1,488			288		1,392		
MCGUFFEY RD.	505									2			8,888			180		6,920		
OAKLAND PARK AVE.	510									3			5,442			504		3,986		
KARL RD.	516									1			6,107			48		5,569		
KARL RD.	522									2			6,744			432		5,045		
FERRIS RD.	525											2	3,864			12				
ARCADIA AVE.	528												3,089					2,600		
INDIANOLA AVE.	535									4			9,486			684		7,848		
INDIANOLA AVE.	541									1			5,860			264		4,886		
COOKE RD.	545				6			668		3		1	4,076	150		186		375		
WEBER RD.	549							9		3			3,587			264		2,905		
SILVER DR.	552												2,561					2,228		
NORTH BROADWAY	558				1			7		3		1	6,740			288		1,197		
NORTH BROADWAY	567				4			316		3			9,783			72		3,942		
I-270	574				31	1	1	14,193						150	15,448	288				
I-270	581				32	7		14,637							17,320					
																				1
SUB TOTAL					**76**	**11**	**3**	**30,423**	**69**	**61**		**7**	**183,830**	**4,884**	**32,768**	**8,592**	**4,736**	**100,779**		**1**

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

CIP: 540007-100006
PID NUMBER: 82573

SUB SUMMARY
VOLUME 2 – SHEET 1C

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

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LOCATION	SHEET NO.	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT EACH	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 475FT EACH	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT EACH	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 475FT EACH	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 144 SPLICE EACH	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE EACH	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 144 SPLICE EACH	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 450FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	632 SIGNALIZATION, MISC.: AERIAL CLAMP, ATTACHED TO BRIDGE EACH	632 SIGNALIZATION, MISC.: AERIAL STANDOFF, ATTACHED TO BRIDGE EACH	632 SIGNALIZATION, MISC.: CAT 5E CABLE, OUTDOOR RATED FT	632 SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE FT
HIGH ST.	390						6					8				4,068				141
SECOND AVE.	395						1					1	1			4,164		2		
HIGH ST.	400						3		1			5				3,974				
HIGH ST.	405						6					2	2			3,457			150	167
HIGH ST.	406																			
HIGH ST.	412						4		1			6				107			414	75
HIGH ST.	413																			
HIGH ST.	415						4					3				4,292				106
HIGH ST.	425											6	1			4,900				
HIGH ST.	432						3		1			1	4			5,940				131
HIGH ST.	440						4					3		2		4,547				107
HIGH ST.	447						5					4	2			6,457				187
MORSE RD.	451															5,128				
CLEVELAND AVE.	457						1		1			1				3,742			177	157
WESTERVILLE RD.	461						1						1			1,991				
AGLER RD.	467						3					1	2			3,188			23	
SUNBURY RD.	470																			
SEVENTEENTH AVE.	475						2					2	1			2,430				
SEVENTEENTH AVE.	480						3					1	1			1,707				
HUDSON ST.	486						6					7				2,228			294	141
HUDSON ST.	494						4						1			7,720				155
JOYCE RD.	498									1						1,413				
MCGUFFEY RD.	505						2					1	1			7,239				
OAKLAND PARK AVE.	510						4					4				4,083				145
KARL RD.	516						2					1	1			5,473				
KARL RD.	522						4					3	2			5,423				136
FERRIS RD.	525						1						1			3,903				
ARCADIA AVE.	528															2,639				
INDIANOLA AVE.	535						4					3	4			7,994				
INDIANOLA AVE.	541						3					4				4,960				
COOKE RD.	545						1					1				3,216		4	326	
WEBER RD.	549						3					3	1			2,981				
SILVER DR.	552															2,261				
NORTH BROADWAY	558						4						5			4,532				
NORTH BROADWAY	567						3					3				6,935				
I-270	574		2						1	2										
I-270	581																			
SUB TOTAL			**3**				**93**		**6**	**3**		**79**	**32**	**6**		**134,188**		**6**	**1,769**	**1,648**

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

CIP: 540007-100006
PID NUMBER: 82573

SUB SUMMARY
VOLUME 2 – SHEET 1D

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

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LOCATION	SHEET NO.	632 SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM EACH	632 SPREAD SPECTRUM RADIO, AS PER PLAN EACH	632 STRAIN POLE, DESIGN NO. 6 EACH	632 STRAIN POLE FOUNDATION, DESIGN NO. 6 EACH	632 WOOD POLE, CLASS 5, 35 FT EACH	633 CABINET, GROUND MOUNTED, TYPE TS-2, AS PER PLAN EACH	633 CABINET, POLE MOUNTED, TYPE TS 2, AS PER PLAN EACH	633 CABINET, TYPE 334, AS PER PLAN EACH	633 CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE EACH	633 CONTROLLER ITEM, MISC.: ETHERNET EXTENDER EACH	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: INTERNAL ETHERNET MODULE EACH	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH EACH	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH EACH	633 CONTROLLER ITEM, MISC.: TERMINAL PORT SERVER EACH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN EACH	644 CROSSWALK LINE, AS PER PLAN FT		
HIGH ST.	390	1										12	1	6			5			
SECOND AVE.	395											2		1			1			
HIGH ST.	400											10		5			5			
HIGH ST.	406		2																	
HIGH ST.	408					1						10					6			
HIGH ST.	412	1																		
HIGH ST.	413											10	1	5			4	150		
HIGH ST.	419	1												4		1				
HIGH ST.	42											8		6			6			
HIGH ST.	432	1		1	1							8		4			4			
HIGH ST.	440	1										9	1	4			3			
HIGH ST.	447	1										10								
MORSE RD.	45					3						1								
CLEVELAND AVE.	457	2										2		2			2			
WESTERVILLE RD.	461																			
AGLER RD.	467		1			3		1				6				2	1			
SUNBURY R	470		1											1			1			
SEVENTEENTH AV	47					1						4		2		1	1			
SEVENTEENTH AVE.	480											3		1	1		1			
HUDSON ST.	486	2										12		6			6			
HUDSON ST.	494	1										8		4			3			
JOYCE RD.	498											5								
MCGUFFEY RD.	505											4		2			2			
OAKLAND PARK AVE.	510	1										6		3			3			
KARL RD.	516											4		2			2			
KARL RD.	522	1				1						9		4			4			
FERRIS RD.	525					17						1		1			1			
ARCADIA AVE.	528																			
INDIANOLA AVE.	535											8		4			4			
INDIANOLA AVE.	541											6		3			3			
COOKE RD.	545					2					2	2		1			1			
WEBER RD.	549					1						6		3			3			
SILVER DR.	552																			
NORTH BROADWAY	558					1						8		4		3	1			
NORTH BROADWAY	567											6		3			3			
I-270	574											1								
I-270	581																			
SUB TOTAL		**14**	**4**	**1**	**1**	**30**		**1**			**2**	**193**	**6**	**95**	**2**	**7**	**82**	**150**		

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

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CIP: 540007-100006
PID NUMBER: 82573

SUB SUMMARY
VOLUME 2 – SHEET 1E

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

LOCATION	SHEET NO.	202 EXISTING CONDUIT CLEANED, AS PER PLAN FT	202 REMOVAL, MISC.: REMOVE EXISTING AERIAL STANDOFF, POLE MOUNTED EACH	202 REMOVAL, MISC.: REMOVE EXISTING WOOD POLE EACH	202 REMOVAL, MISC.: REMOVE MEDIAN BARRIER WALL FT	202 WALK REMOVED SF	608 8" CONCRETE WALK SF	609 CONCRETE MEDIAN, AS PER PLAN CY	609 CURB, STRAIGHT 18" FT	622 BARRIER, MISC.: MEDIAN BARRIER WALL FT	625 36" MEDIAN JUNCTION BOX EACH	625 BRACKET ARM, 30', AS PER PLAN EACH	625 CONDUIT, 2", AS PER PLAN FT	625 CONDUIT, 3", AS PER PLAN FT	625 CONDUIT, 4", AS PER PLAN FT	625 CONDUIT, CONCRETE ENCASED, 2-3", 725.05, AS PER PLAN FT	625 CONDUIT, CONCRETE ENCASED, 4-3", 725.05, AS PER PLAN FT	625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN FT	625 CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN FT	625 CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE FT
I-270	588														31196					1120
I-270	596	245													34522				468	2254
WINCHESTER PIKE	604	28												160					157	360
WINCHESTER PIKE	61[illegible]	4[illegible]																		
HENDRON RD.	614	30																		
SR-317	622													0						0
ADDITIONAL	623																			
I-270 @ US-33	625												3	36	30			99		
I-270 @ US-33	626																			
I-270 @ US-23	628												41	280	66			138		
I-270 @ I-71	630													144	62					
I-70 @ MILLER	6[illegible]	14											66		[illegible]					
I-70 @ MILLER	6[illegible]																			
I-270 @ MAIN	6[illegible]														[illegible]				184	
I-670 @ STELZER	637														972					
SR-315 @ LANE	639												52	822	18			407		
SR-315 @ LANE	640																			
SR-315 @ NORTH BROADWAY	642												2[illegible]	130	52			3[illegible]		
SR-315 @ NORTH BROADWAY	643																			
I-71 @ ELEVENTH	645												60		82					
I-71 @ NORTH BROADWAY	647	14																		
SR-315 @ ACKERMAN	649	34																		
SUB TOTAL		**1,014**											**278**	**2,352**	**69,670**			**1,013**	**809**	**3,734**

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

CIP: 540007-100006
PID NUMBER: 82573

SUB SUMMARY
VOLUME 2 – SHEET 2A

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

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LOCATION	SHEET NO.	625 CONDUIT, MISC.: CONDUIT RESTORATION FT	625 DISTRIBUTION CABLE, NO. 1 FT	625 DISTRIBUTION CABLE, NO. 2 FT	625 DISTRIBUTION CABLE, NO. 2/0 FT	625 DISTRIBUTION CABLE, NO. 3/0 FT	625 DISTRIBUTION CABLE, NO. 4 FT	625 DISTRIBUTION CABLE, NO. 6 FT	625 GROUND ROD EACH	625 POWER SERVICE, TYPE A, AS PER PLAN EACH	625 POWER SERVICE, TYPE B, AS PER PLAN EACH	625 POWER SERVICE, TYPE C, AS PER PLAN EACH	625 POWER SERVICE, TYPE D, AS PER PLAN EACH	625 POWER SERVICE, TYPE E, AS PER PLAN EACH	625 POWER SERVICE, TYPE F, AS PER PLAN EACH	625 POWER SERVICE, TYPE G, AS PER PLAN EACH	625 POWER SERVICE, TYPE H, AS PER PLAN EACH	625 POWER SERVICE, TYPE I, AS PER PLAN EACH	625 POWER SERVICE, TYPE J, AS PER PLAN EACH	625 POWER SERVICE, TYPE K, AS PER PLAN EACH
I-270	588																			
I-270	596																			
WINCHESTER PIKE	604																			
WINCHESTER PIKE	612																			
HENDRON RD.	614																			
SR-317	622																			
ADDITIONAL	623																			
I-270 @ US-33	62				3			93	3							1				
I-270 @ US-33	626																			
I-270 @ US-23	628			1,492					3								1			
I-270 @ I-71	630						303		3									1		
I-70 @ MILLER	632							537	3		1									
I-70 @ MILLER	634																			
I-270 @ MAIN	635								2											
I-670 @ STELZER	637								2											
SR-315 @ LANE	639		2,804						3										1	
SR-315 @ LANE	640																			
SR-315 @ NORTH BROADWAY	642			1,676					4											1
SR-315 @ NORTH BROADWAY	643																			
I-71 @ ELEVENTH	645							210	3			1								
I-71 @ NORTH BROADWAY	647																			
SR-315 @ ACKERMAN	649																			
SUB TOTAL			**2,804**	**3,168**	**3,390**		**303**	**840**	**26**		**1**	**1**				**1**	**1**	**1**	**1**	**1**

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

CIP: 540007–100006
PID NUMBER: 82573

SUB SUMMARY
VOLUME 2 – SHEET 2B

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

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LOCATION	SHEET NO.	625 PULL BOX, 18", 725.06, AS PER PLAN EACH	625 PULL BOX, 18", 725.08, AS PER PLAN EACH	625 PULL BOX, 24", 725.08 EACH	625 PULL BOX, CONCRETE 32", AS PER PLAN EACH	625 PULL BOX, CONCRETE 48", AS PER PLAN EACH	625 PULL BOX, REMOVED, AS PER PLAN EACH	625 TRENCH, 36" DEEP, AS PER PLAN FT	625 TRENCH IN PAVED AREA, AS PER PLAN FT	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 CONDUIT RISER, 2", 725.051, AS PER PLAN EACH	632 DOWN GUY EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT FT	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT FT	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING UNDERGROUND INTERCONNECT FT	632 INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED EACH
I-270	588				30	4		15,598						150	16,958	24				
I-270	596				36	10		17,261					2,195		20,224	408				
WINCHESTER PIKE	604				2	2		106		2		2	11,286			492				
WINCHESTER PIKE	61												14,831			36				
HENDRON RD.	614												18	53		15				
SR-317	622				0	0		0		0		0	0	0		0				
ADDITIONAL	623															36				
I-270 @ US-33	625		6			1		88						150	150	192				1
I-270 @ US-33	626																			
I-270 @ US-23	628		4			1		334			1			150	150	48				1
I-270 @ I-71	630		1			1		175						225	150	48				1
I-70 @ MILLER	63					2	1	11					22	1,2		48				1
I-70 @ MILLER	63																			
I-270 @ MAIN	63				1	2	1	1,2					3,870	1,086	15	936				1
I-670 @ STELZER	637					1		486					75	1,406		360				1
SR-315 @ LANE	639		6	1		2	2	624			1		150	1,913		648				1
SR-315 @ LANE	40																			
SR-315 @ NORTH BROADWAY	42		6			1		169			1		150	300		624				1
SR-315 @ NORTH BROADWAY	643																			
I-71 @ ELEVENTH	645		1			1		101			1		241	83		852				1
I-71 @ NORTH BROADWAY	647												15	50		144				1
SR-315 @ ACKERMAN	649					1	1						7	50	4	456				1

LOCATION	SHEET NO.	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
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FT	EACH	EACH	FT	FT
I-270	588						1														
I-270	596	2							1												
WINCHESTER PIKE	604						4					1			3		10,069				
WINCHESTER PIKE	612						2						1		1		1,594				
HENDRON RD.	614						2						1				20				
SR-317	622						0										0				
ADDITIONAL	623																				
I-270 @ US-33	62[illegible]	2								2											
I-270 @ US-33	626																15				
I-270 @ US-23	628			1			1				1										
I-270 @ I-71	630			1			1				1										
I-70 @ MILLER	632	2	2	1					2	2											
I-70 @ MILLER	633															1	68				
I-270 @ MAIN	635	4							2	2						1					
I-670 @ STELZER	637	2		1			1		1	2	1										
SR-315 @ LANE	639	2	2	1																	
SR-315 @ LANE	640								2	2	1										
SR-315 @ NORTH BROADWAY	642	2		1			1		1	2											
SR-315 @ NORTH BROADWAY	643										1					1					
I-71 @ ELEVENTH	645	6					1		1							3				51	
I-71 @ NORTH BROADWAY	647	2					1			2											
SR-315 @ ACKERMAN	649	4							1	2						2				42	
SUB TOTAL		**28**	**4**	**8**			**17**		**11**	**14**	**8**	**1**	**2**	**4**	**9**	**24,301**			**93**		

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

CIP: 540007-100006
PID NUMBER: 82573

SUB SUMMARY
VOLUME 2 – SHEET 2D

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

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LOCATION	SHEET NO.	632 SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM EACH	632 SPREAD SPECTRUM RADIO, AS PER PLAN EACH	632 STRAIN POLE, DESIGN NO. 6 EACH	632 STRAIN POLE FOUNDATION, DESIGN NO. 6 EACH	632 WOOD POLE, CLASS 5, 35 FT EACH	633 CABINET, GROUND MOUNTED, TYPE TS-2, AS PER PLAN EACH	633 CABINET, POLE MOUNTED, TYPE TS 2, AS PER PLAN EACH	633 CABINET, TYPE 334, AS PER PLAN EACH	633 CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE EACH	633 CONTROLLER ITEM, MISC.: ETHERNET EXTENDER EACH	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: INTERNAL ETHERNET MODULE EACH	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH EACH	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH EACH	633 CONTROLLER ITEM, MISC.: TERMINAL PORT SERVER EACH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN EACH	644 CROSSWALK LINE, AS PER PLAN FT		
I-270	588																				
I-270	596											1									
WINCHESTER PIKE	604					30						6		3		1	2				
WINCHESTER PIKE	612													2			2				
HENDRON RD.	614																				
SR-317	622					0															
ADDITIONAL	623											9			2						
I-270 @ US-33	625																				
I-270 @ US-33	626					1				1		4			1						
I-270 @ US-23	628									1		2			1						
I-270 @ I-71	630									1		2			1						
I-70 @ MILLER	632																				
I-70 @ MILLER	633					1				1		5			1						
I-270 @ MAIN	635									1		6			1						
I-670 @ STELZER	637									1		4			1						
SR-315 @ LANE	639																				
SR-315 @ LANE	640														1						
SR-315 @ NORTH BROADWAY	642																				
SR-315 @ NORTH BROADWAY	643									1		9			1						
I-71 @ ELEVENTH	645									1		7			1						
I-71 @ NORTH BROADWAY	647											4									
SR-315 @ ACKERMAN	649											3									
SUB TOTAL						**32**				**9**		**77**		**5**	**11**	**1**	**4**				

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

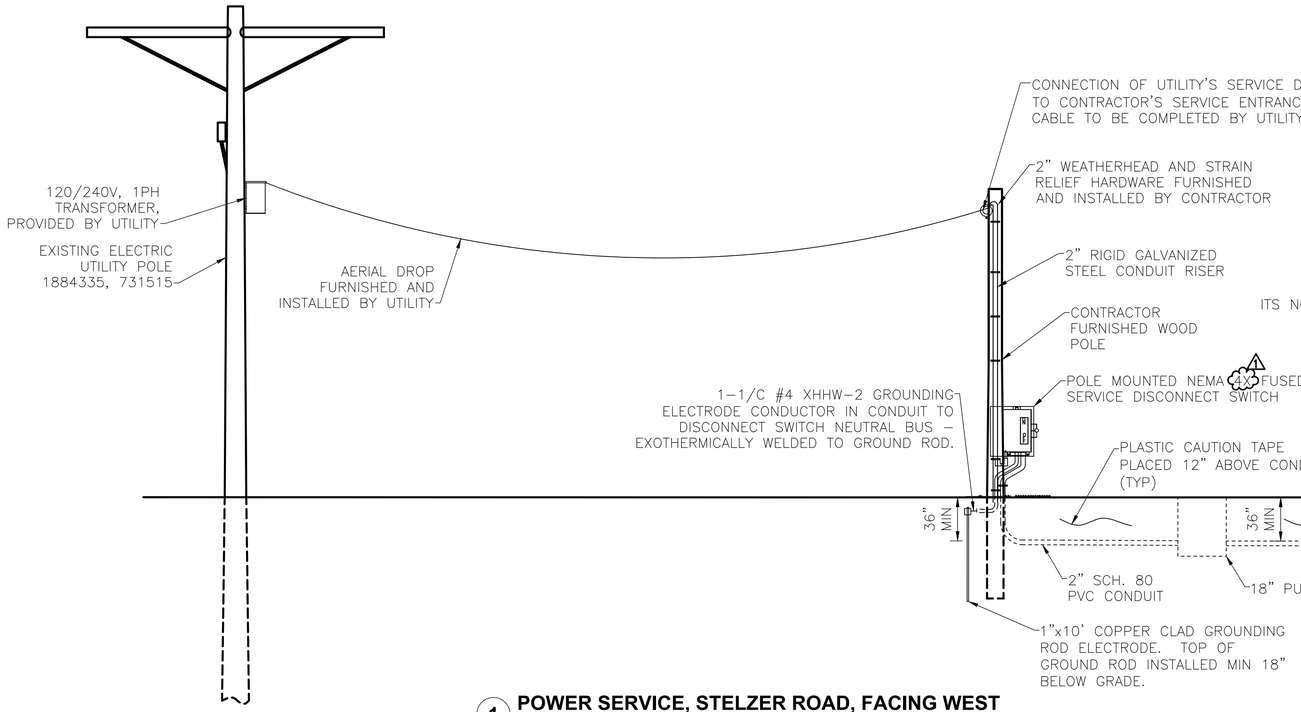
CIP: 540007–100006
PID NUMBER: 82573

SUB SUMMARY
VOLUME 2 – SHEET 2E

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

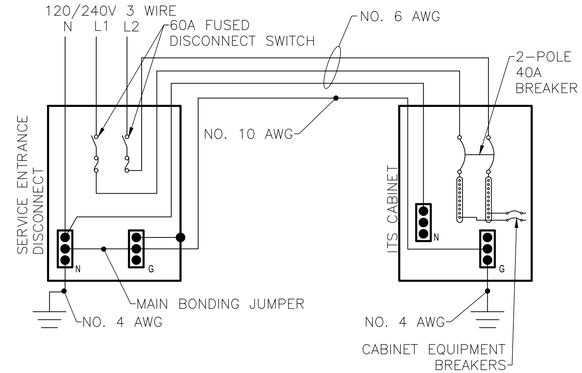
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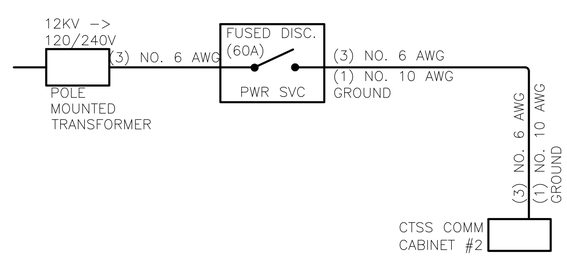


1 POWER SERVICE, STELZER ROAD, FACING WEST
SCALE: N.T.S.

NOTES:
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.
2. ALL WORK AND MATERIALS SHOWN ON POWER SERVICE DETAILS, THAT ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, ARE INCIDENTAL TO POWER SERVICE PAY ITEMS.
3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2014 NEC, LATEST VERSION OF NESC AND LOCAL REQUIREMENTS.
4. SEE SHEET 225 FOR POWER SERVICE PLAN. SEE SHEET 636 FOR NODE SITE PLAN. SEE SHEETS 960-961 FOR COMMUNICATION DETAILS.



2 WIRING DIAGRAM
SCALE: N.T.S.



3 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE POWER DETAILS, TYPE A
NODE# 670009.0 - I-670 AT STELZER ROAD

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

368
1000

3150-E

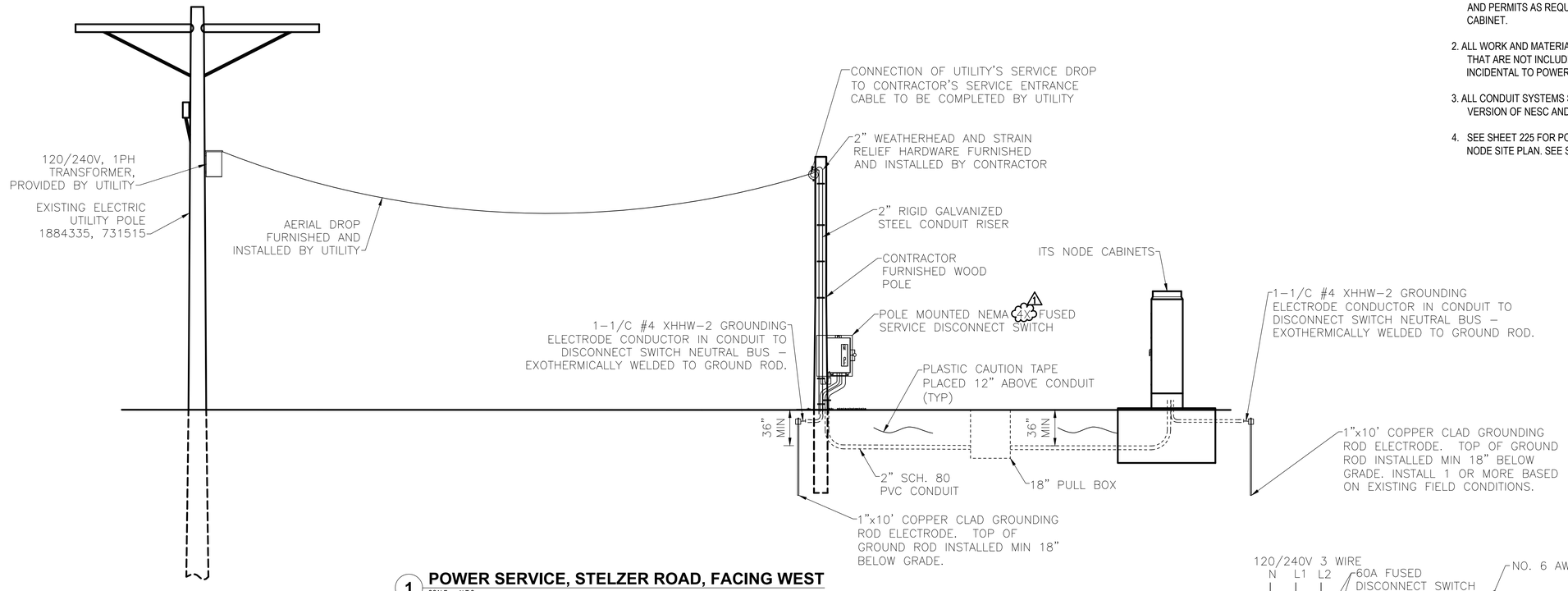
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NOTES:
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.

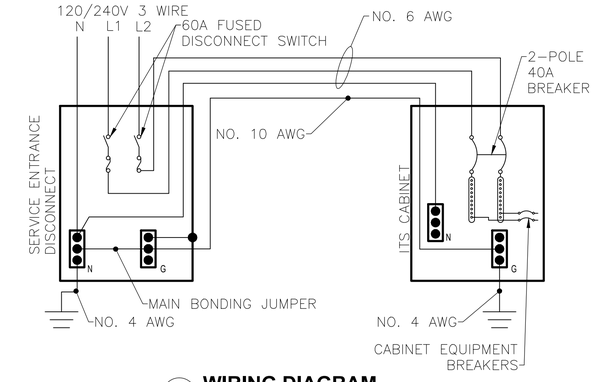
2. ALL WORK AND MATERIALS SHOWN ON POWER SERVICE DETAILS, THAT ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, ARE INCIDENTAL TO POWER SERVICE PAY ITEMS.

3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2014 NEC, LATEST VERSION OF NESC AND LOCAL REQUIREMENTS.

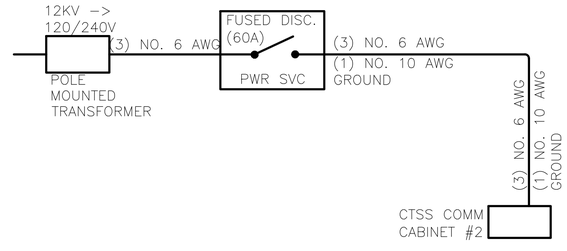
4. SEE SHEET 225 FOR POWER SERVICE PLAN. SEE SHEET 636 FOR NODE SITE PLAN. SEE SHEETS 960-961 FOR COMMUNICATION DETAILS.



1 POWER SERVICE, STELZER ROAD, FACING WEST
SCALE: N.T.S.



2 WIRING DIAGRAM
SCALE: N.T.S.



3 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

HORIZONTAL SCALE IN FEET
0 0 0

CIP: 540007-100006
PID NUMBER: 82573

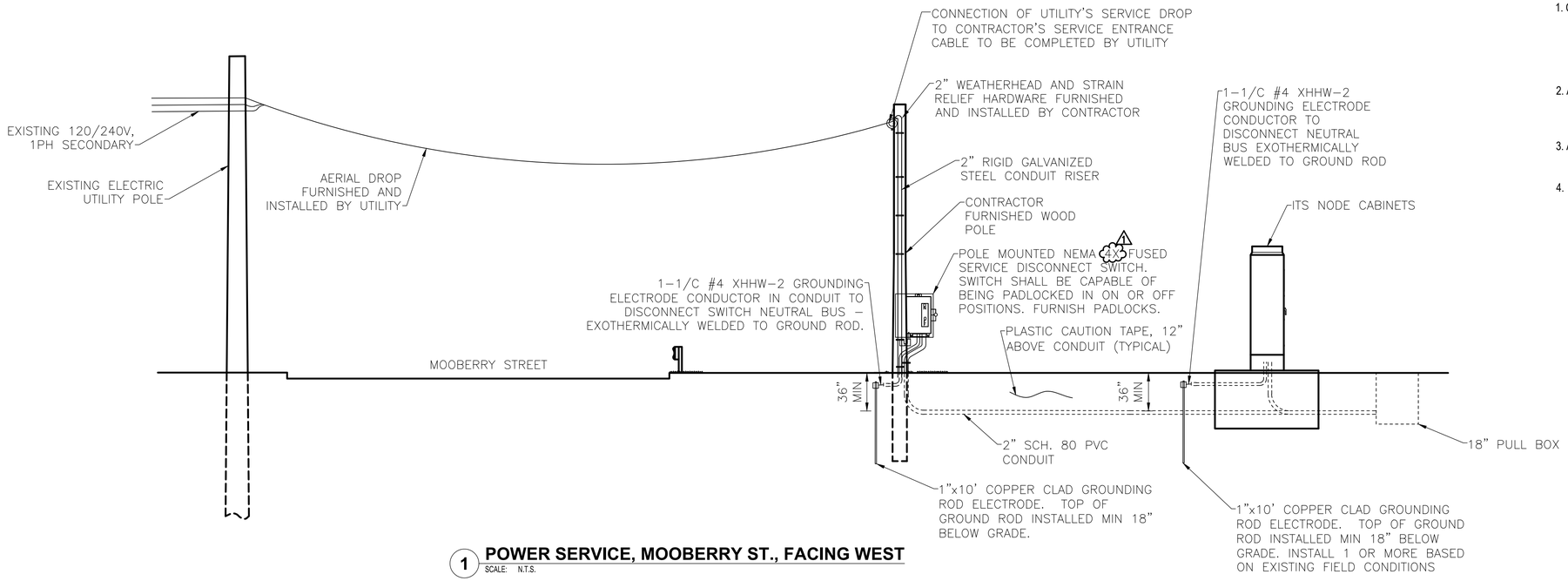
COMMUNICATIONS NODE POWER DETAILS, TYPE A
NODE# 670009.0 - I-670 AT STELZER ROAD

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

368
1000

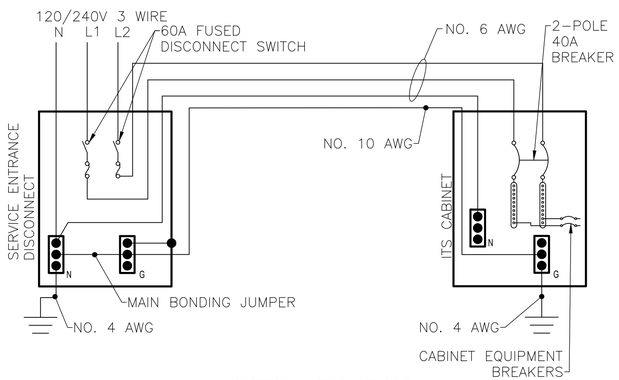
3150-E

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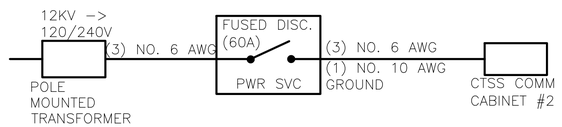


1 POWER SERVICE, MOOBERRY ST., FACING WEST
SCALE: N.T.S.

NOTES:
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4. SEE SHEET 631 FOR NODE SITE PLAN. SEE SHEETS 962-963 FOR COMMUNICATION DETAILS.



2 WIRING DIAGRAM
SCALE: N.T.S.



3 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

HORIZONTAL SCALE IN FEET
0 0 0

CIP: 540007-100006
PID NUMBER: 82573

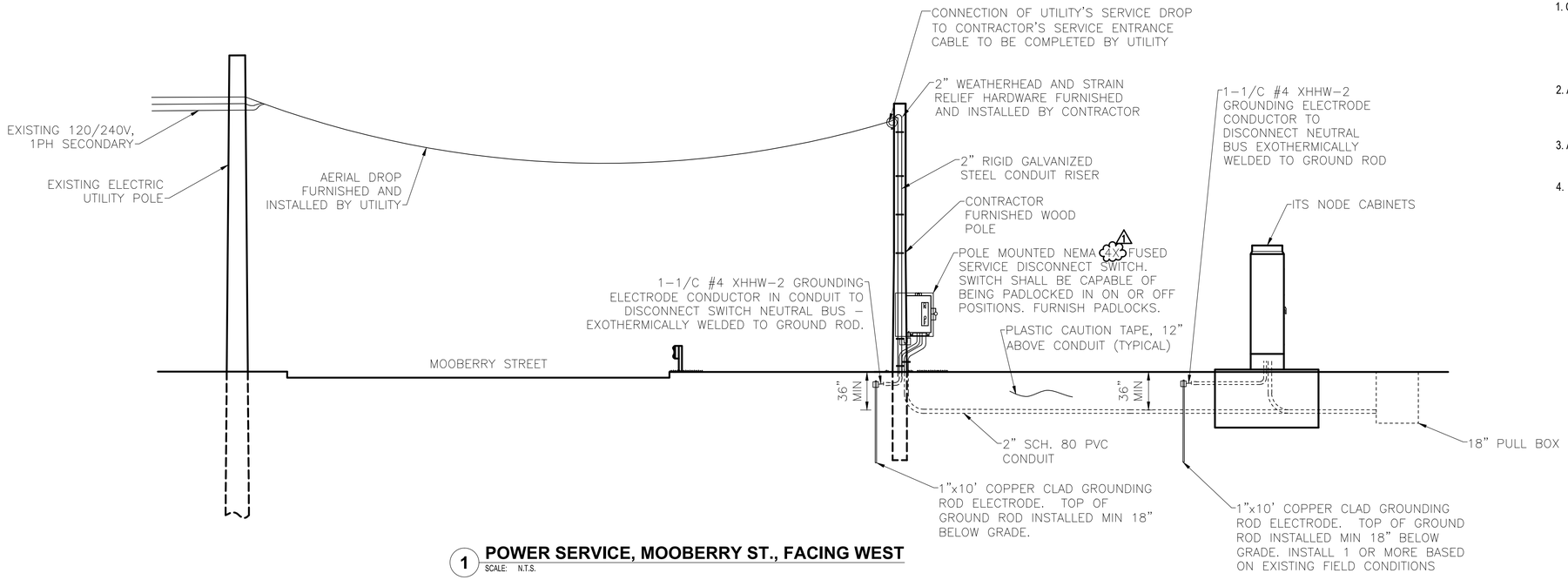
COMMUNICATIONS NODE POWER DETAILS, TYPE B
NODE# 070102.3 - I-70 AT KELTON AVENUE

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

369
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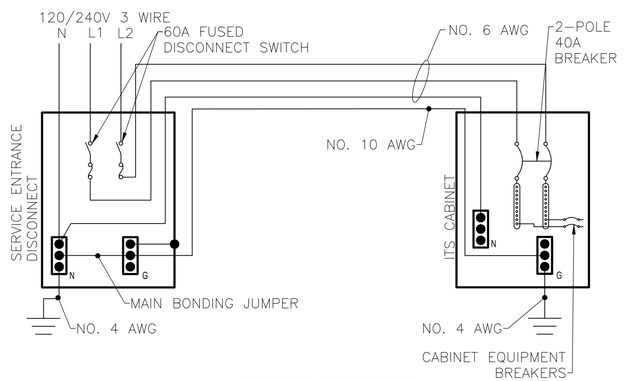
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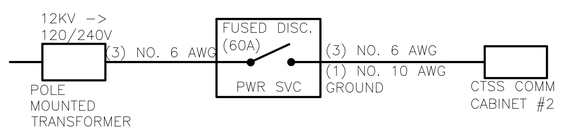


1 POWER SERVICE, MOOBERRY ST., FACING WEST
SCALE: N.T.S.

NOTES:
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4. SEE SHEET 631 FOR NODE SITE PLAN. SEE SHEETS 962-963 FOR COMMUNICATION DETAILS.



2 WIRING DIAGRAM
SCALE: N.T.S.



3 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

HORIZONTAL SCALE IN FEET
0 0 0

CIP: 540007-100006
PID NUMBER: 82573

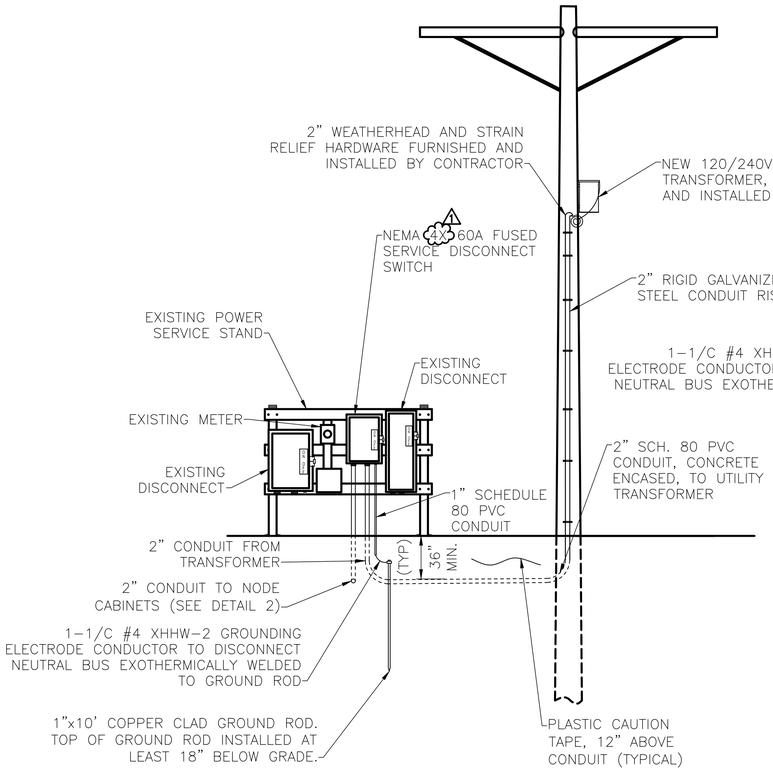
COMMUNICATIONS NODE POWER DETAILS, TYPE B
NODE# 070102.3 - I-70 AT KELTON AVENUE

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

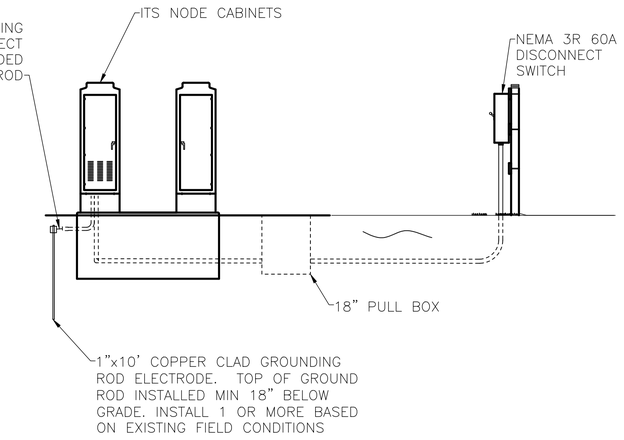
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3150-E

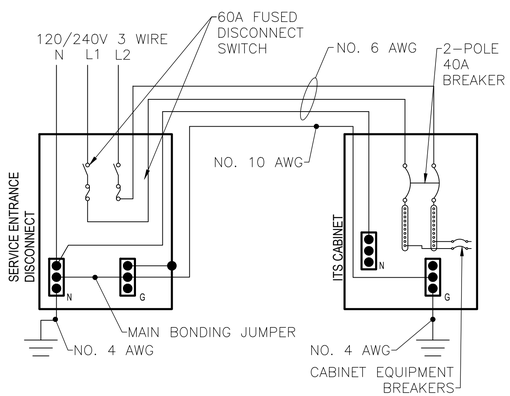
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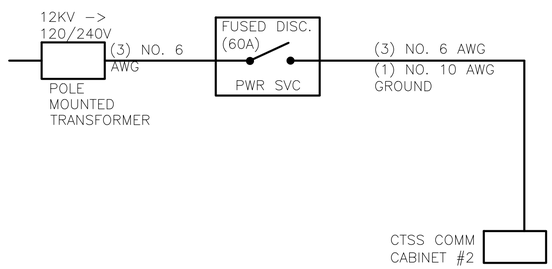
1 POWER SERVICE, ELEVENTH AVE., FACING SOUTH
SCALE: N.T.S.



2 POWER SERVICE, ELEVENTH AVE., FACING EAST
SCALE: N.T.S.



3 WIRING DIAGRAM
SCALE: N.T.S.



4 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

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4. SEE SHEET 644 FOR NODE SITE PLAN. SEE SHEETS 964-966 FOR COMMUNICATION DETAILS.

HORIZONTAL SCALE IN FEET
0 0 0

CIP: 540007-100006
PID NUMBER: 82573

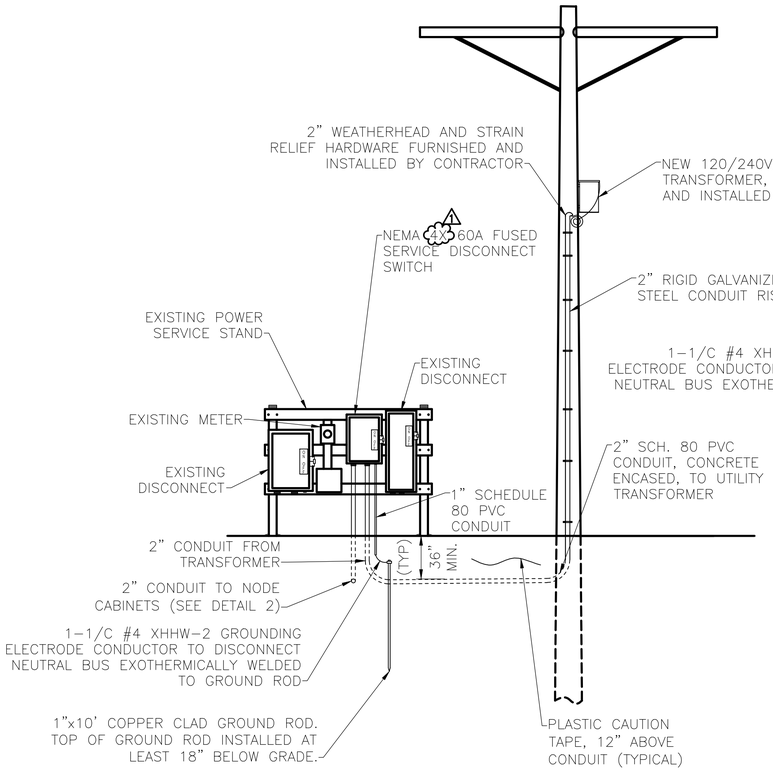
COMMUNICATIONS NODE POWER DETAILS, TYPE C
NODE# 071110.9 – I-71 AT ELEVENTH AVENUE

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

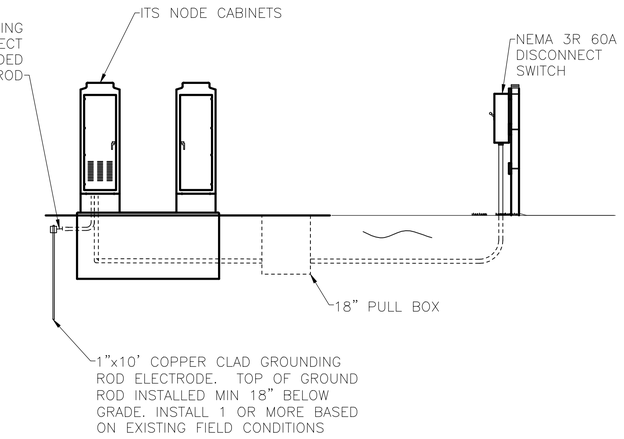
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3150-E

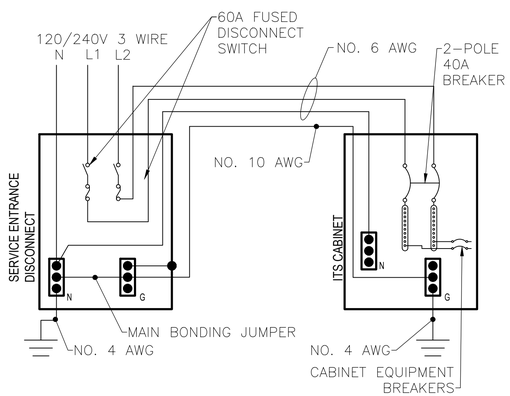
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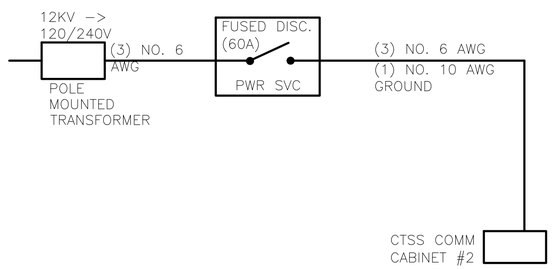
1 POWER SERVICE, ELEVENTH AVE., FACING SOUTH
SCALE: N.T.S.



2 POWER SERVICE, ELEVENTH AVE., FACING EAST
SCALE: N.T.S.



3 WIRING DIAGRAM
SCALE: N.T.S.



4 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

NOTES:
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HORIZONTAL SCALE IN FEET
0 0 0

CIP: 540007-100006
PID NUMBER: 82573

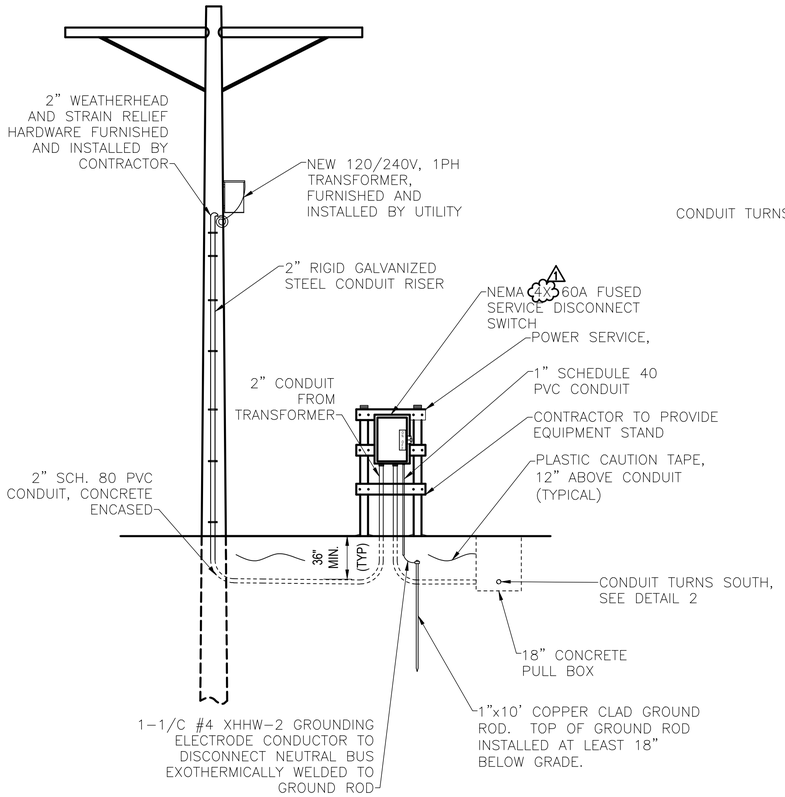
COMMUNICATIONS NODE POWER DETAILS, TYPE C
NODE# 071110.9 – I-71 AT ELEVENTH AVENUE

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

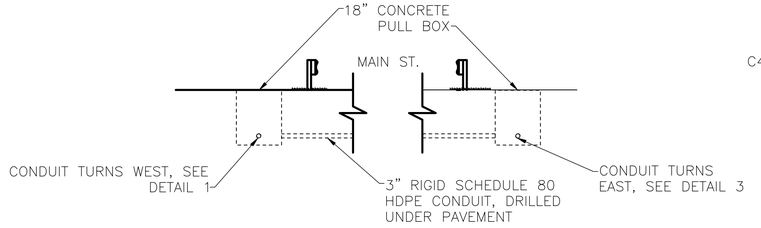
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3150-E

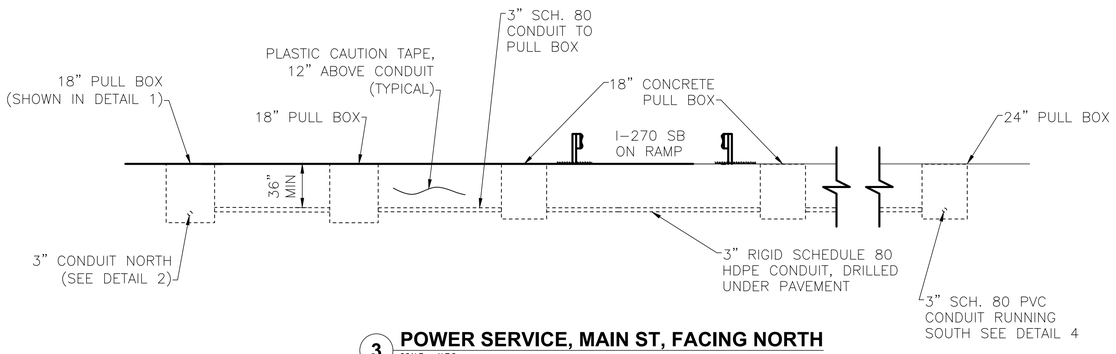
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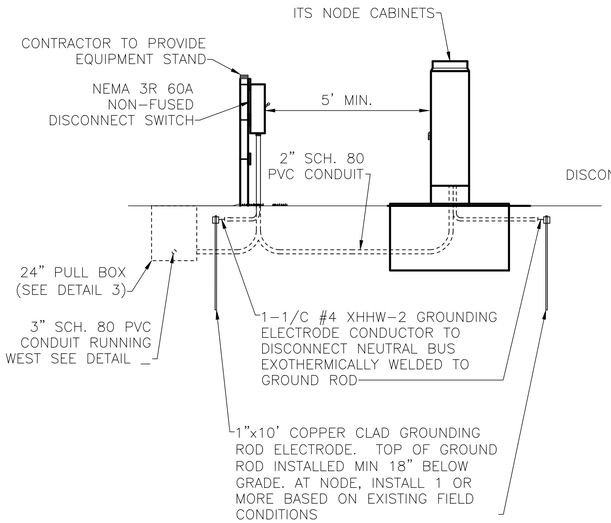
1 POWER SERVICE, MAIN ST, FACING NORTH
SCALE: N.T.S.



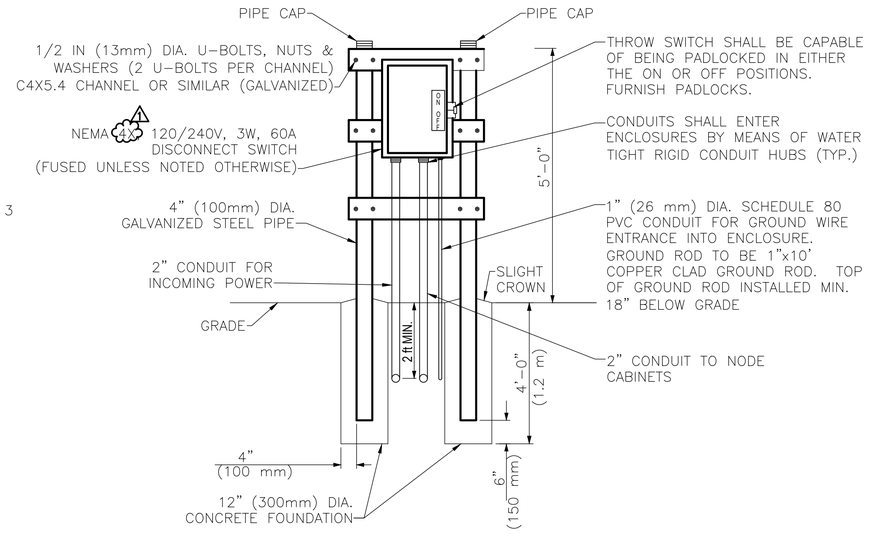
2 POWER SERVICE, MAIN ST, FACING EAST
SCALE: N.T.S.



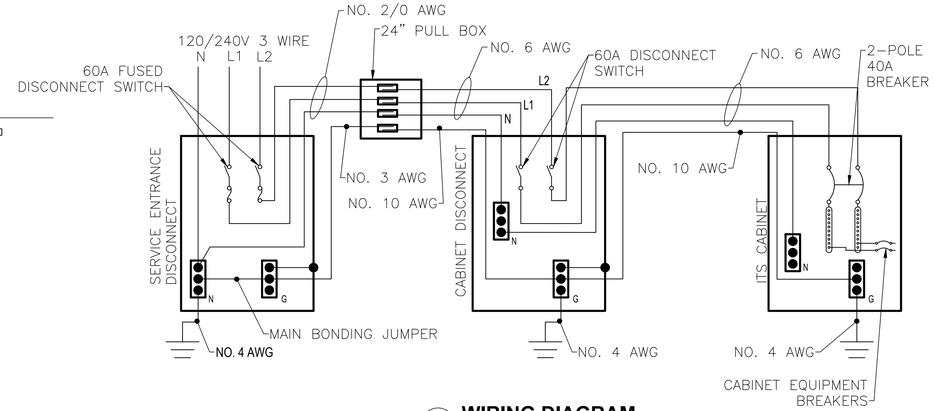
3 POWER SERVICE, MAIN ST, FACING NORTH
SCALE: N.T.S.



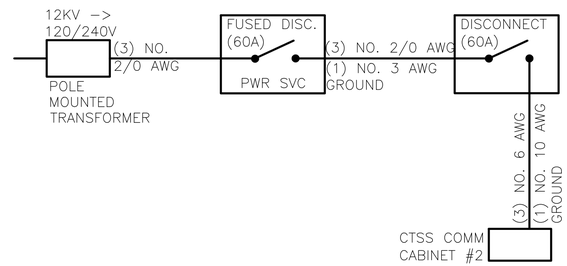
4 POWER SERVICE, MAIN ST, FACING EAST
SCALE: N.T.S.



5 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.



6 WIRING DIAGRAM
SCALE: N.T.S.



7 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

NOTES:
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3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2014 NEC, LATEST EDITION OF NESC AND LOCAL REQUIREMENTS.
4. SEE SHEETS 230-231 FOR POWER SERVICE ROUTE. SEE SHEET 634 FOR NODE SITE PLAN. SEE SHEETS 978-979 FOR COMMUNICATION DETAILS.

HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

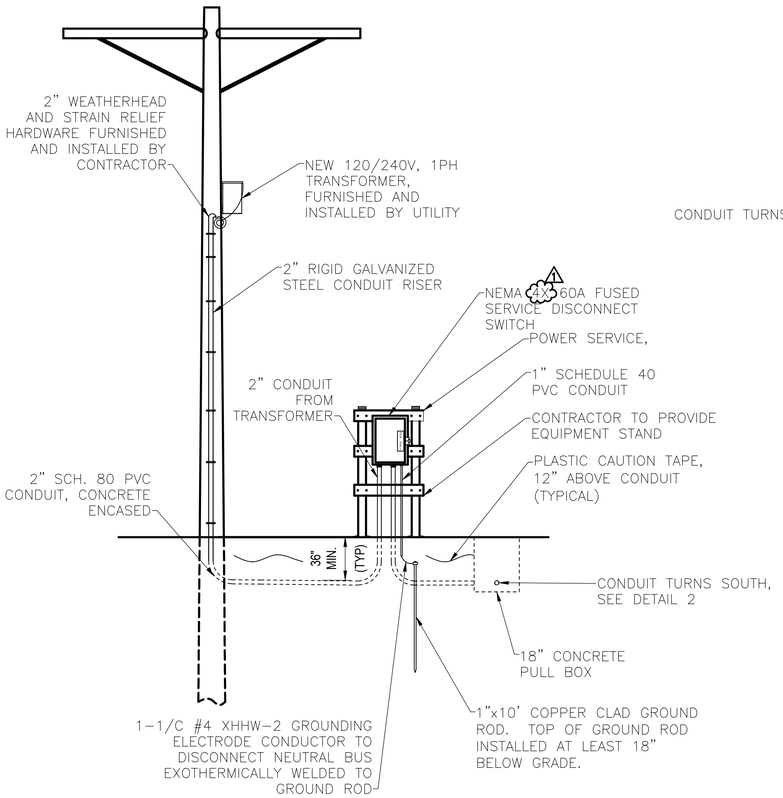
COMMUNICATIONS NODE POWER DETAILS, TYPE F
NODE# 270041.3 – I-270 AT MAIN STREET

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

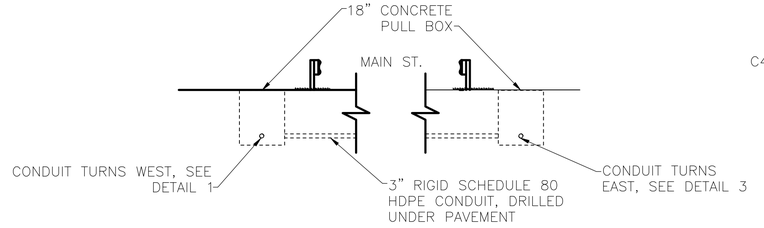
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3150-E

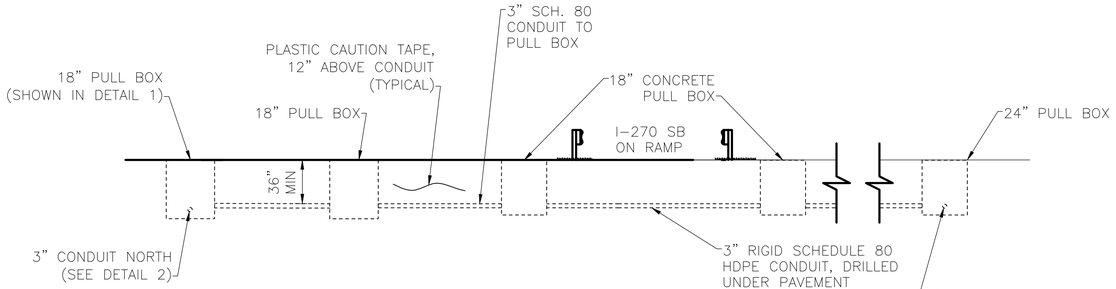
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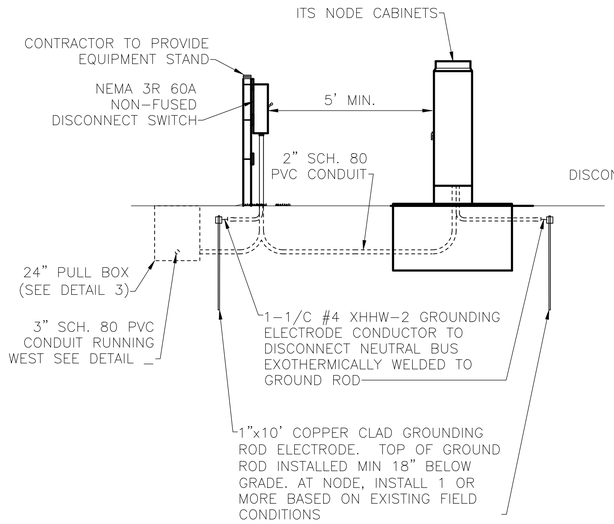
1 POWER SERVICE, MAIN ST, FACING NORTH
SCALE: N.T.S.



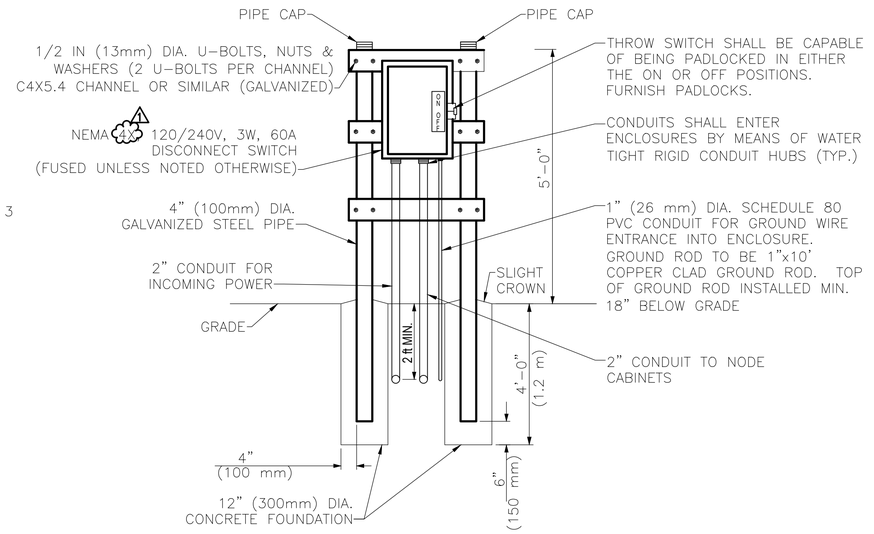
2 POWER SERVICE, MAIN ST, FACING EAST
SCALE: N.T.S.



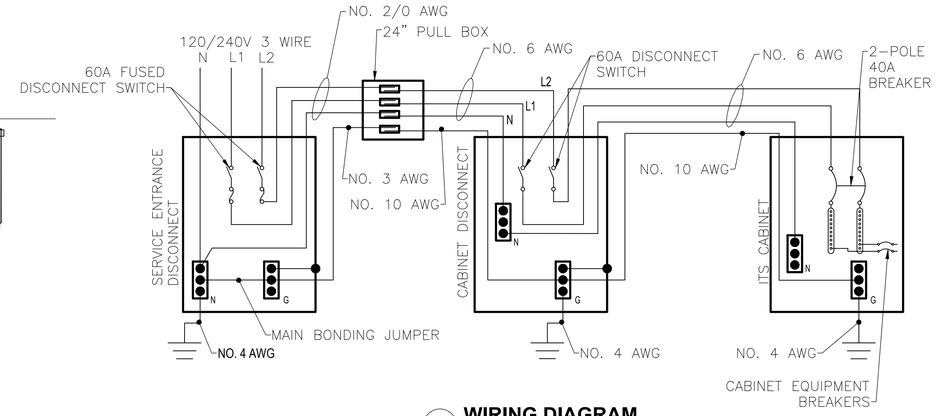
3 POWER SERVICE, MAIN ST, FACING NORTH
SCALE: N.T.S.



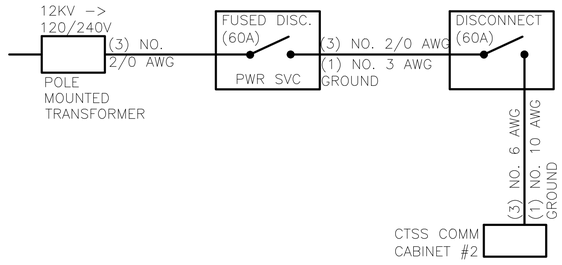
4 POWER SERVICE, MAIN ST, FACING EAST
SCALE: N.T.S.



5 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.



6 WIRING DIAGRAM
SCALE: N.T.S.



7 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

NOTES:
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4. SEE SHEETS 230-231 FOR POWER SERVICE ROUTE. SEE SHEET 634 FOR NODE SITE PLAN. SEE SHEETS 978-979 FOR COMMUNICATION DETAILS.

HORIZONTAL SCALE IN FEET
0 0

CIP: 540007-100006
PID NUMBER: 82573

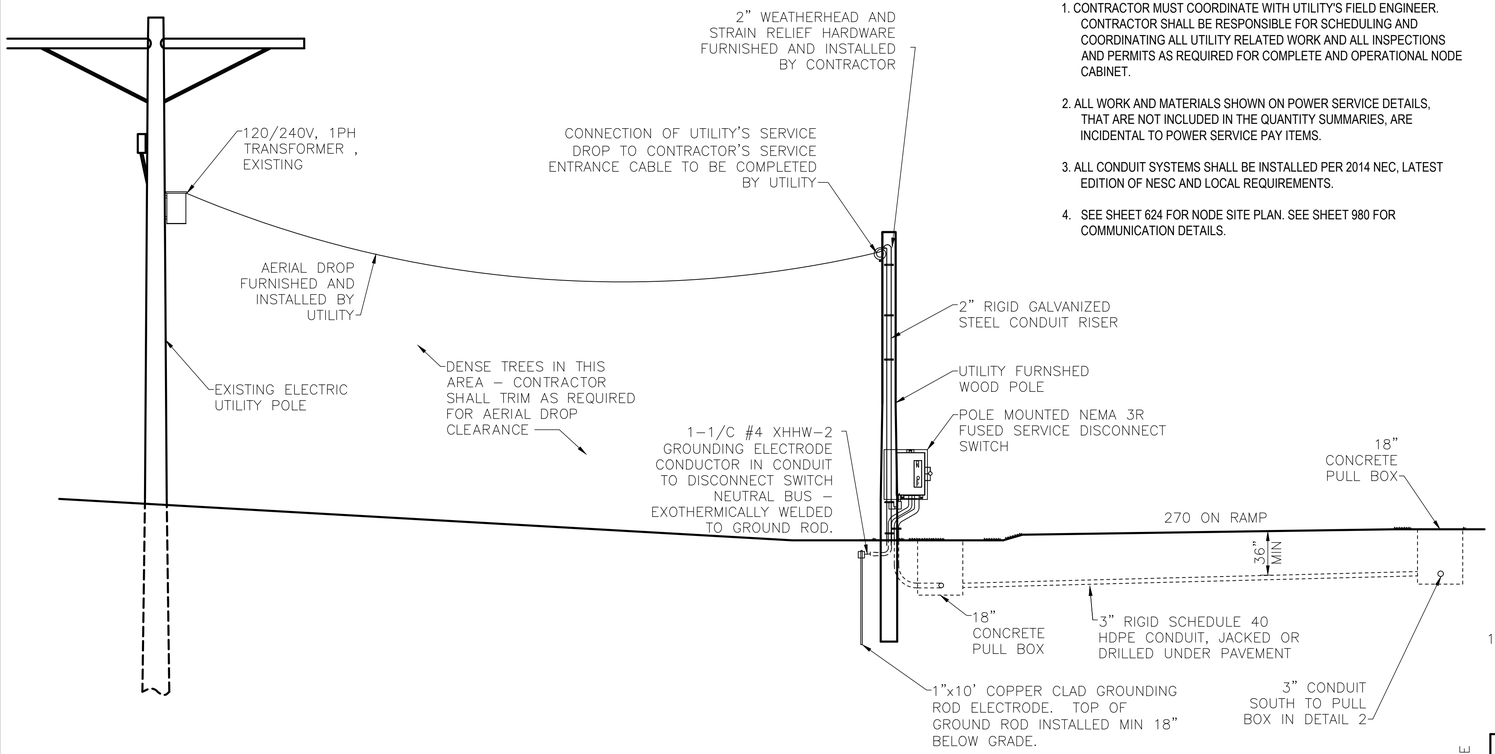
COMMUNICATIONS NODE POWER DETAILS, TYPE F
NODE# 270041.3 – I-270 AT MAIN STREET

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

371
1000

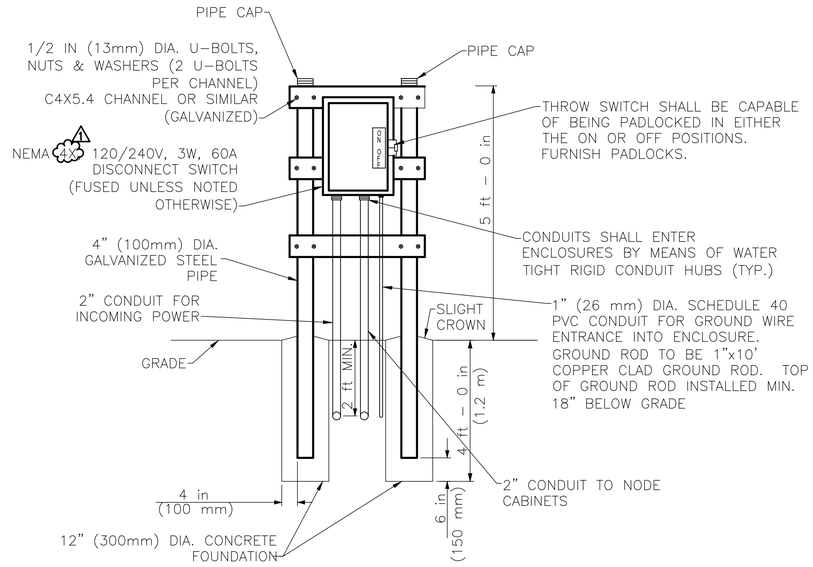
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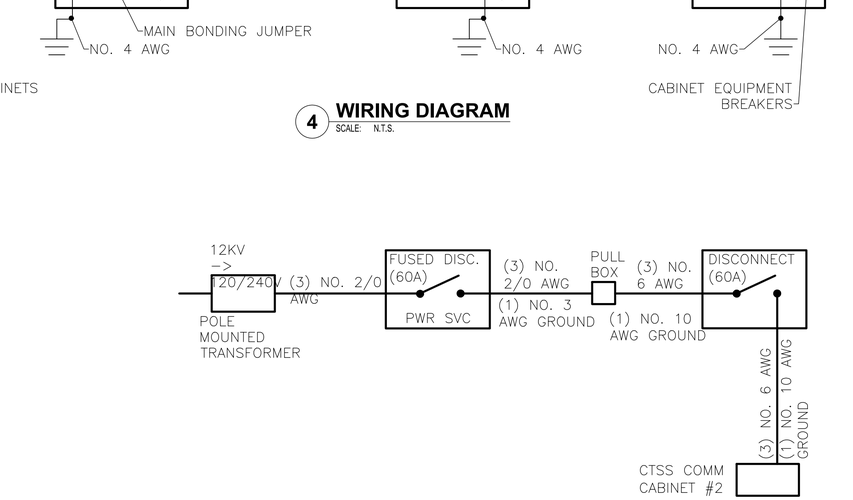


1 POWER SERVICE, I.R. 270 AND S.R.33, FACING WEST
SCALE: N.T.S.

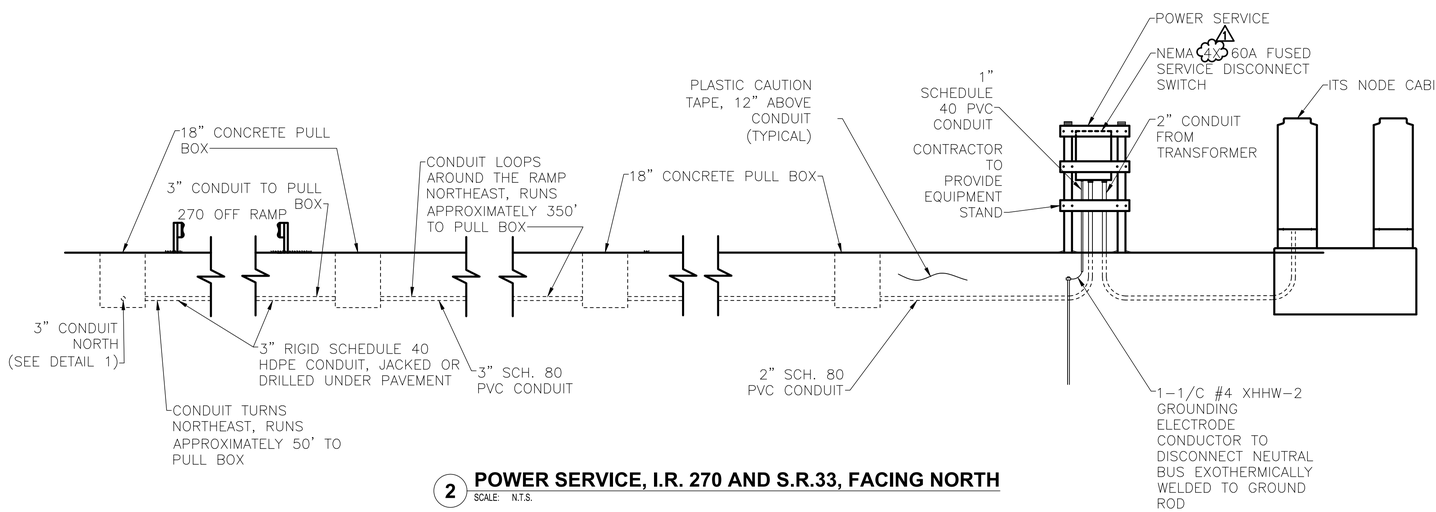
NOTES:
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4. SEE SHEET 624 FOR NODE SITE PLAN. SEE SHEET 980 FOR COMMUNICATION DETAILS.



3 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.



4 WIRING DIAGRAM
SCALE: N.T.S.



2 POWER SERVICE, I.R. 270 AND S.R.33, FACING NORTH
SCALE: N.T.S.

5 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

COMMUNICATIONS NODE POWER DETAILS, TYPE G
NODE# 270046.1 – I–270 AT US–33

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

372
1000

3150-E

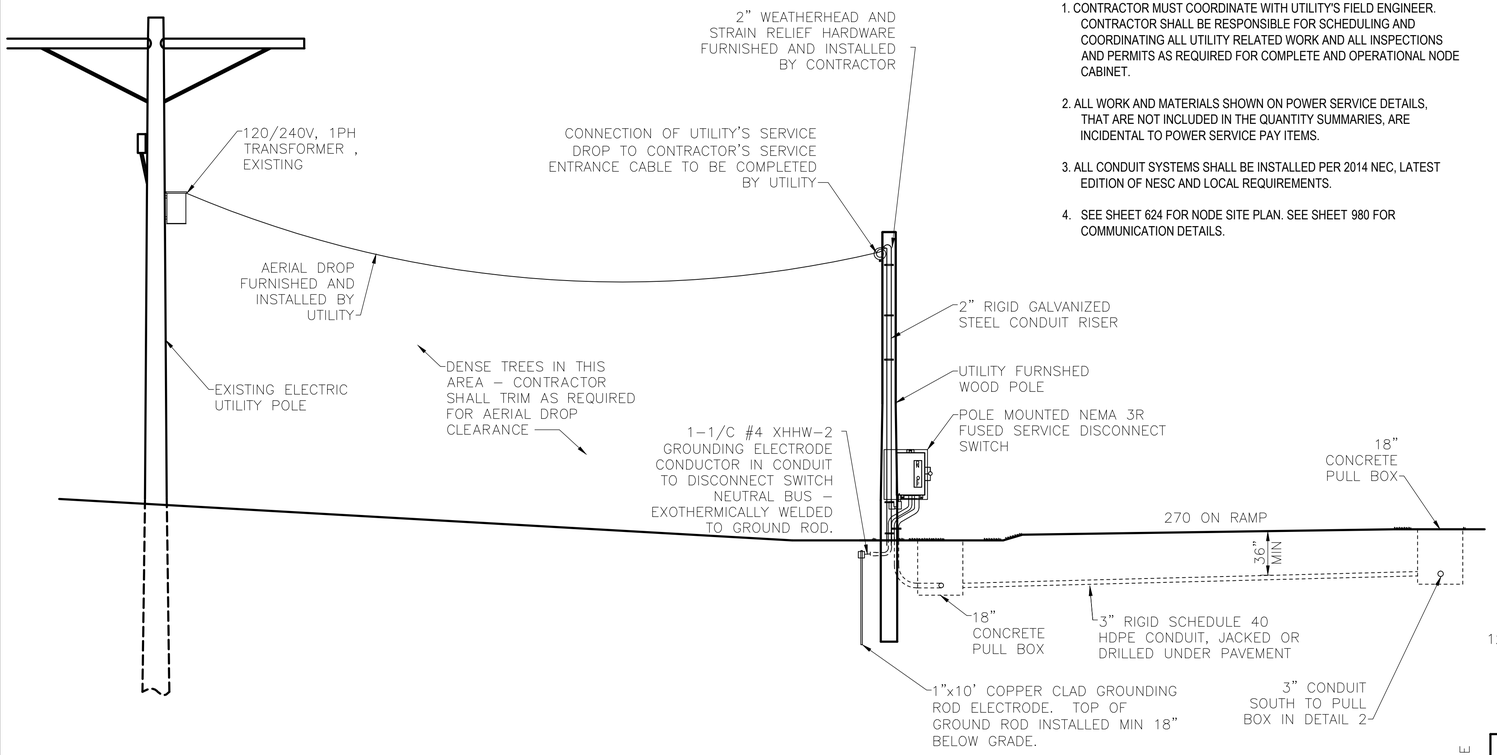
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NOTES:
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.

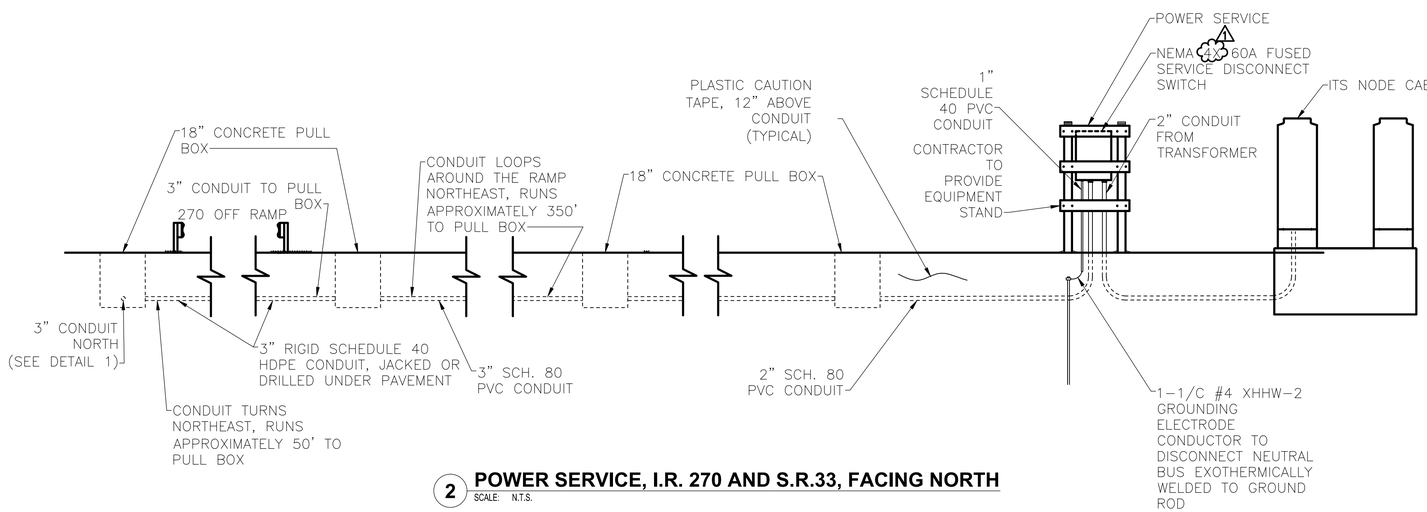
2. ALL WORK AND MATERIALS SHOWN ON POWER SERVICE DETAILS, THAT ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, ARE INCIDENTAL TO POWER SERVICE PAY ITEMS.

3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2014 NEC, LATEST EDITION OF NESC AND LOCAL REQUIREMENTS.

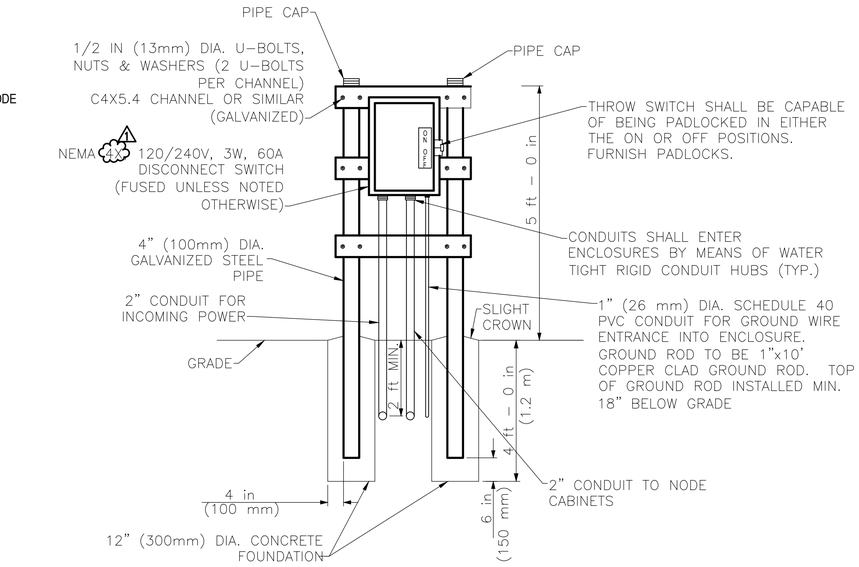
4. SEE SHEET 624 FOR NODE SITE PLAN. SEE SHEET 980 FOR COMMUNICATION DETAILS.



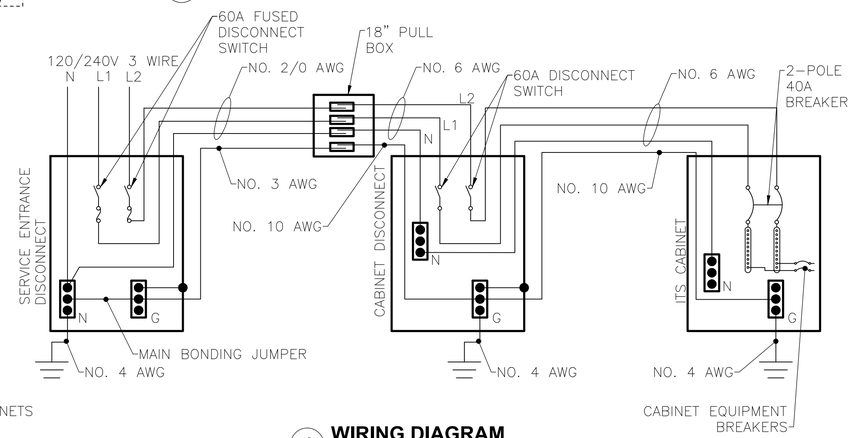
1 POWER SERVICE, I.R. 270 AND S.R.33, FACING WEST
SCALE: N.T.S.



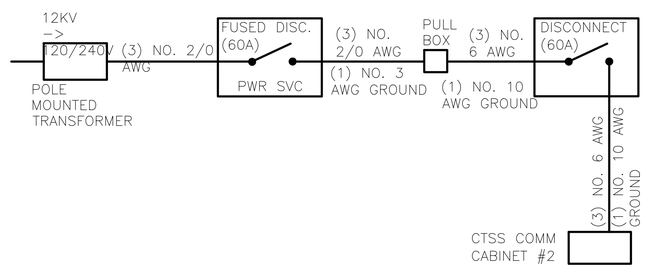
2 POWER SERVICE, I.R. 270 AND S.R.33, FACING NORTH
SCALE: N.T.S.



3 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.



4 WIRING DIAGRAM
SCALE: N.T.S.



5 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

3150-E

HORIZONTAL SCALE IN FEET

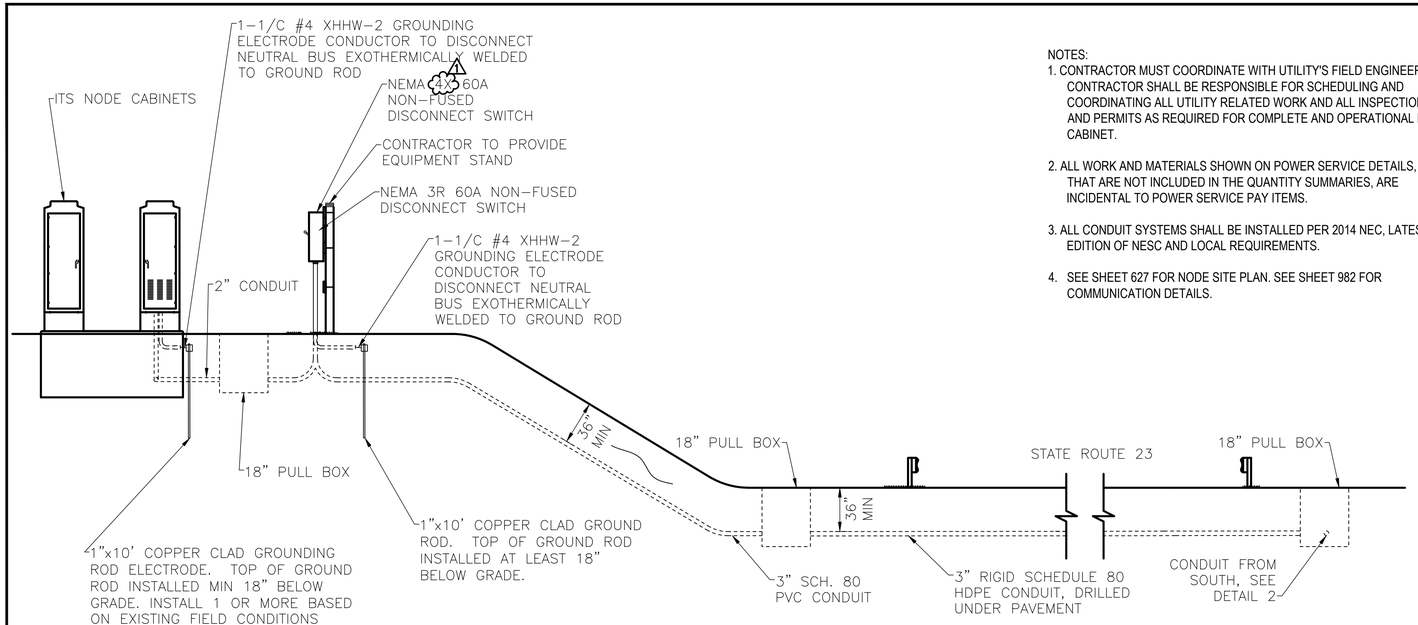
CIP: 540007–100006
PID NUMBER: 82573

COMMUNICATIONS NODE POWER DETAILS, TYPE G
NODE# 270046.1 – I–270 AT US–33

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

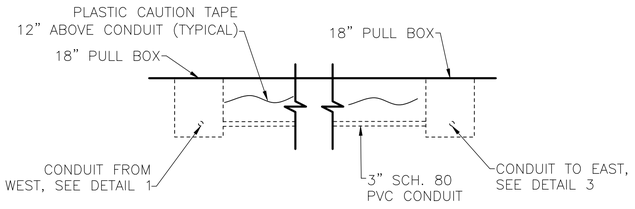
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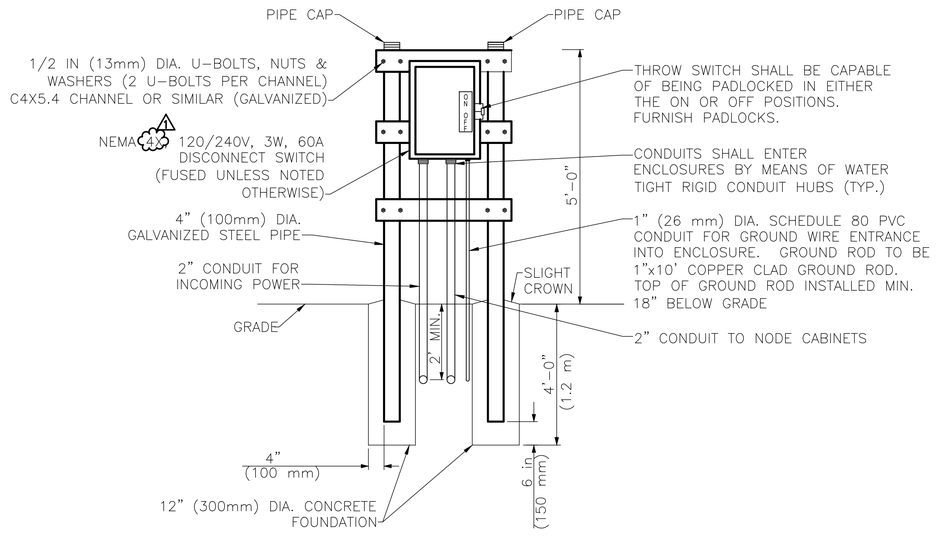


1 POWER SERVICE - I.R. 270 AND S.R. 23, FACING NORTH
SCALE: N.T.S.

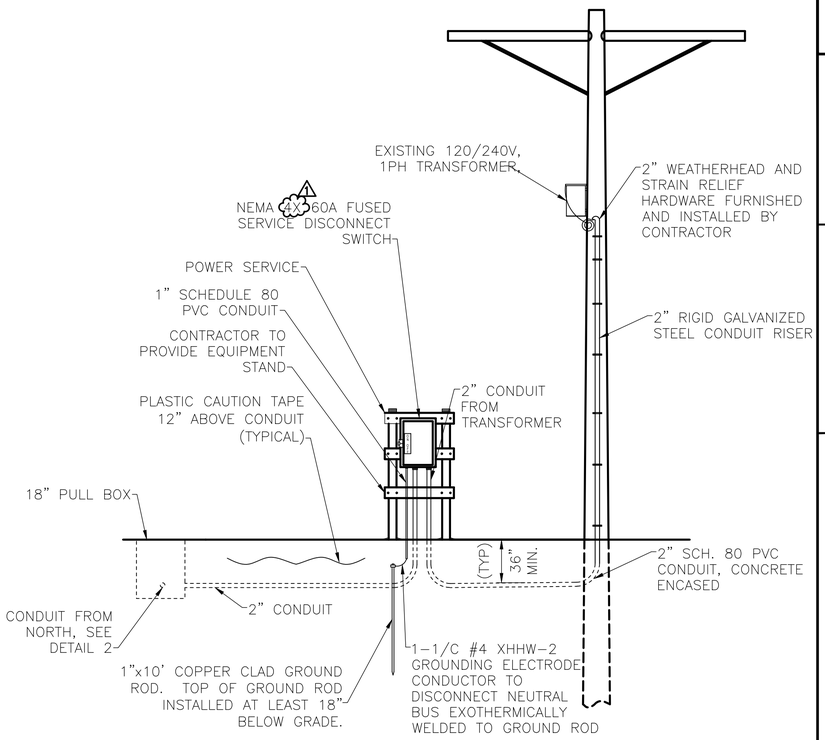
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4. SEE SHEET 627 FOR NODE SITE PLAN. SEE SHEET 982 FOR COMMUNICATION DETAILS.



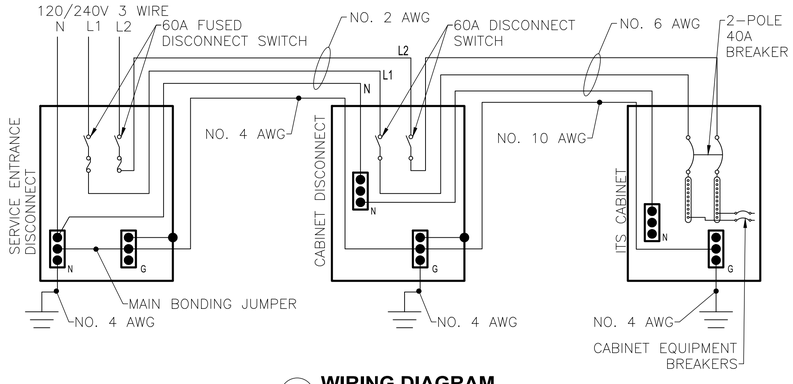
2 POWER SERVICE - I.R. 270 AND S.R. 23, FACING EAST
SCALE: N.T.S.



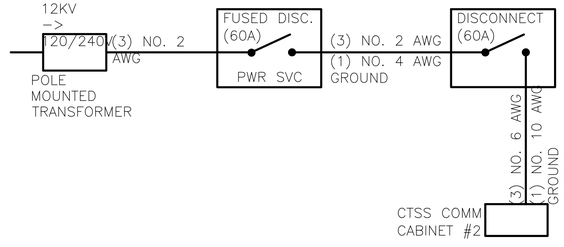
4 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.



3 POWER SERVICE - I.R. 270 AND S.R. 23, FACING NORTH
SCALE: N.T.S.



5 WIRING DIAGRAM
SCALE: N.T.S.



6 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

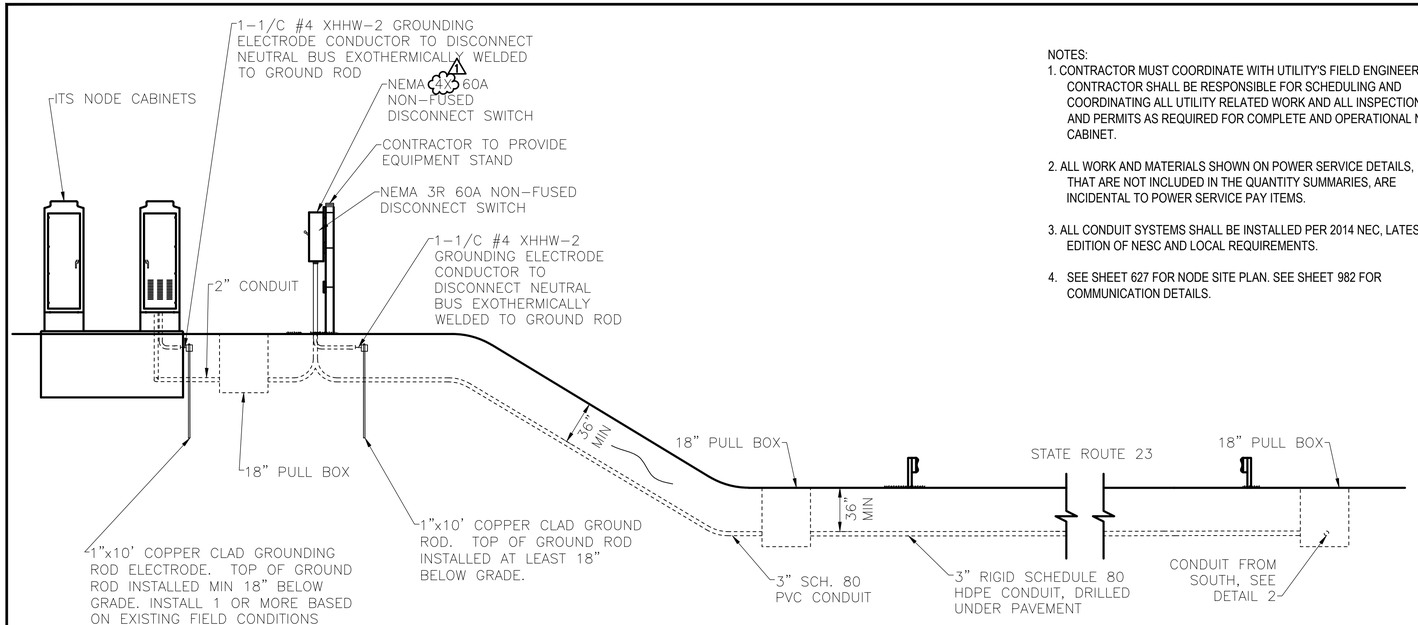
COMMUNICATIONS NODE POWER DETAILS, TYPE H
NODE# 270052.7 – I-270 AT US-23

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

373
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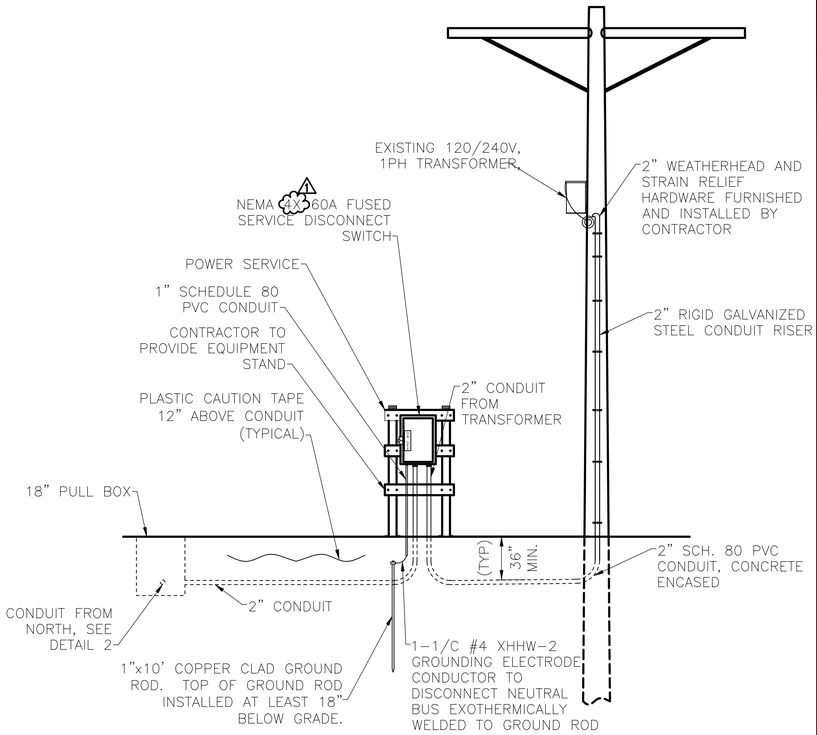
3150-E

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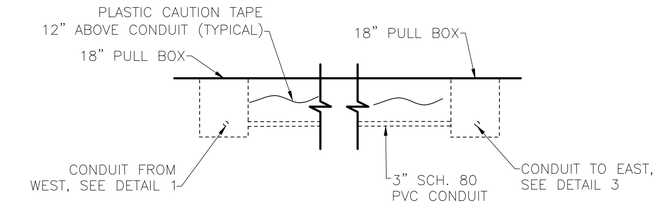


1 POWER SERVICE - I.R. 270 AND S.R. 23, FACING NORTH
SCALE: N.T.S.

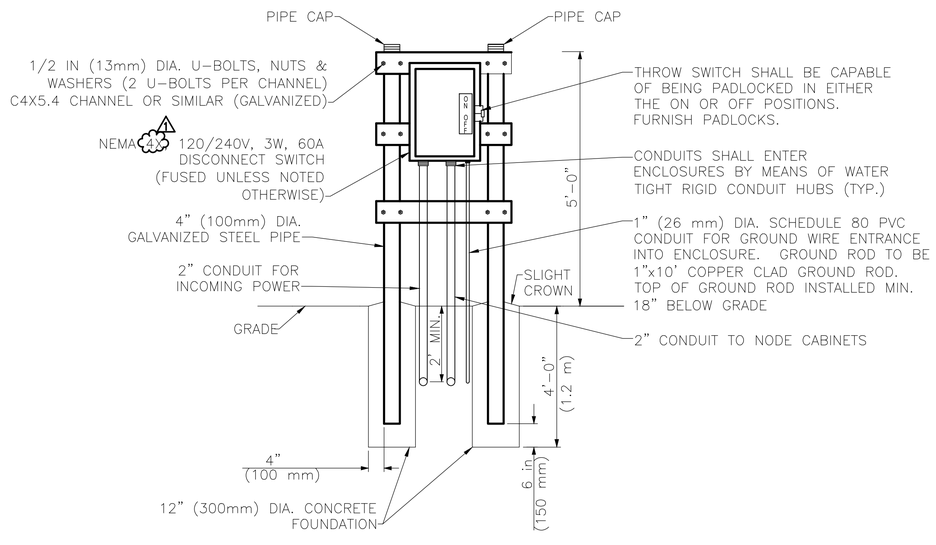
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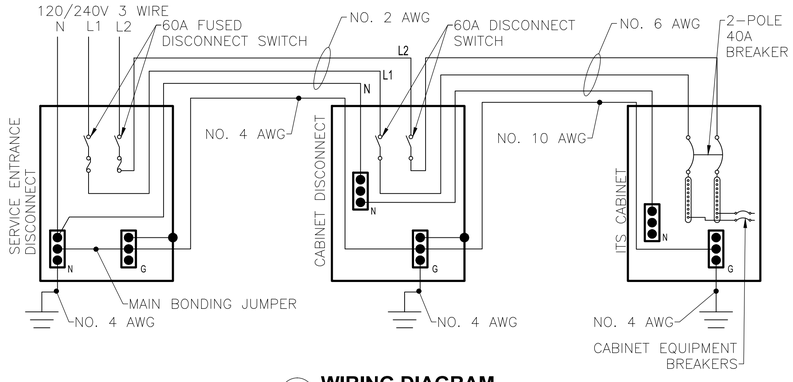
3 POWER SERVICE - I.R. 270 AND S.R. 23, FACING NORTH
SCALE: N.T.S.



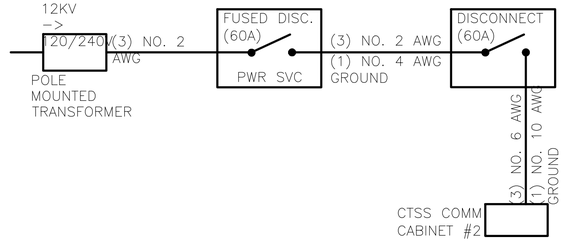
2 POWER SERVICE - I.R. 270 AND S.R. 23, FACING EAST
SCALE: N.T.S.



4 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.



5 WIRING DIAGRAM
SCALE: N.T.S.



6 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

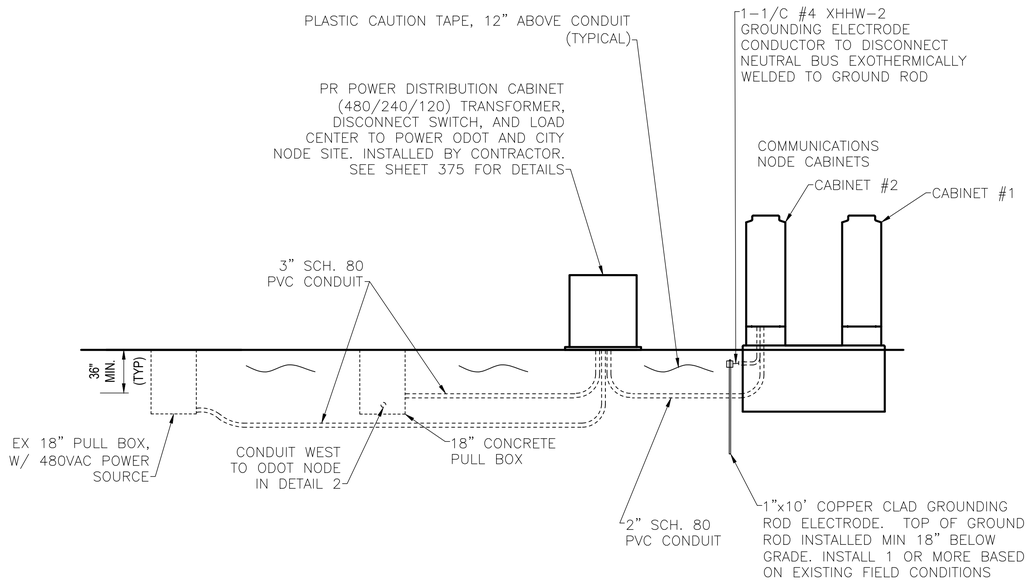
COMMUNICATIONS NODE POWER DETAILS, TYPE H
NODE# 270052.7 – I-270 AT US-23

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

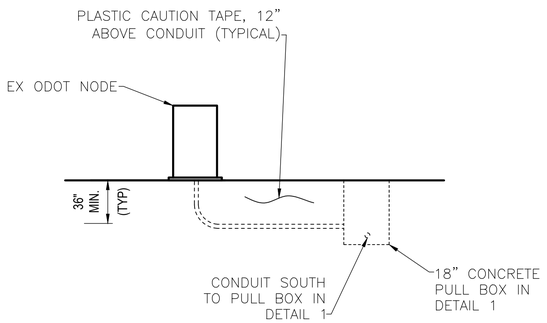
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1000

3150-E

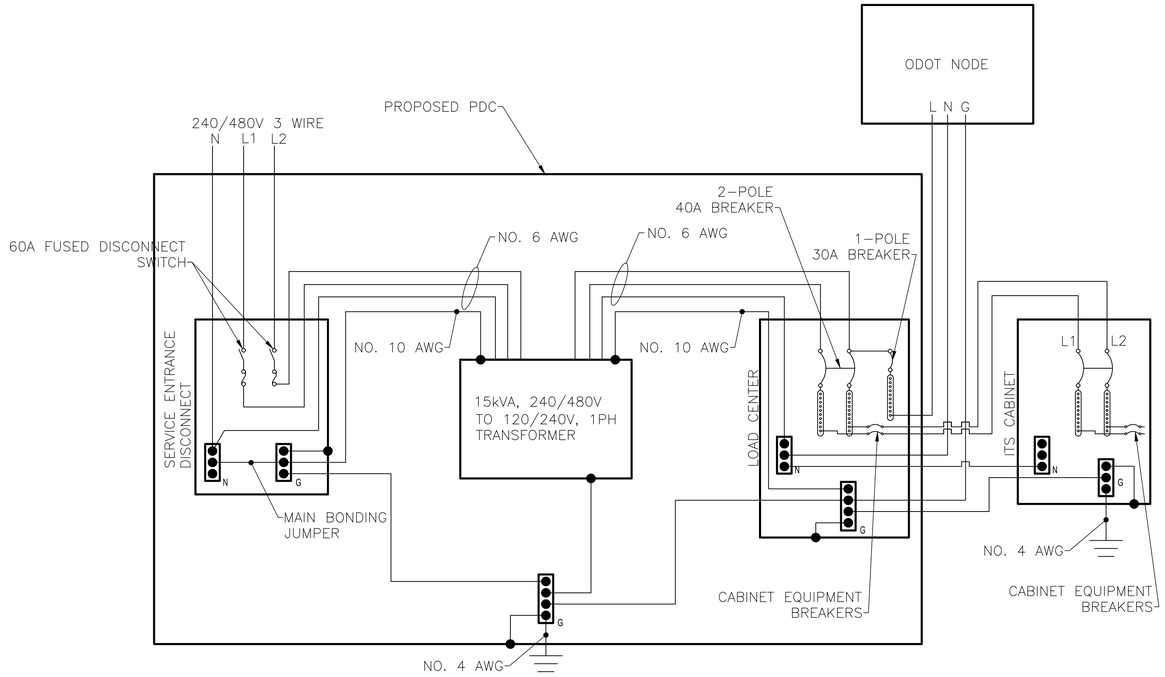
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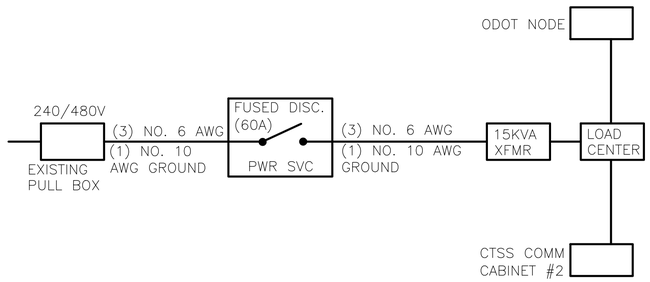
1 POWER SERVICE - I.R. 270 AND I.R. 71 - FACING NORTHWEST
SCALE: N.T.S.



2 POWER SERVICE - I.R. 270 AND I.R. 71 - FACING NORTH
SCALE: N.T.S.



3 WIRING DIAGRAM
SCALE: N.T.S.



4 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

NOTES:
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.

2. ALL WORK AND MATERIALS SHOWN ON POWER SERVICE DETAILS, THAT ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, ARE INCIDENTAL TO POWER SERVICE PAY ITEMS.

3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2014 NEC, LATEST EDITION OF NESC AND LOCAL REQUIREMENTS.

4. SEE SHEET 375 FOR POWER DISTRIBUTION CABINET DETAILS. SEE SHEET 629 FOR NODE SITE PLAN. SEE SHEET 983 FOR COMMUNICATION DETAILS.

HORIZONTAL SCALE IN FEET
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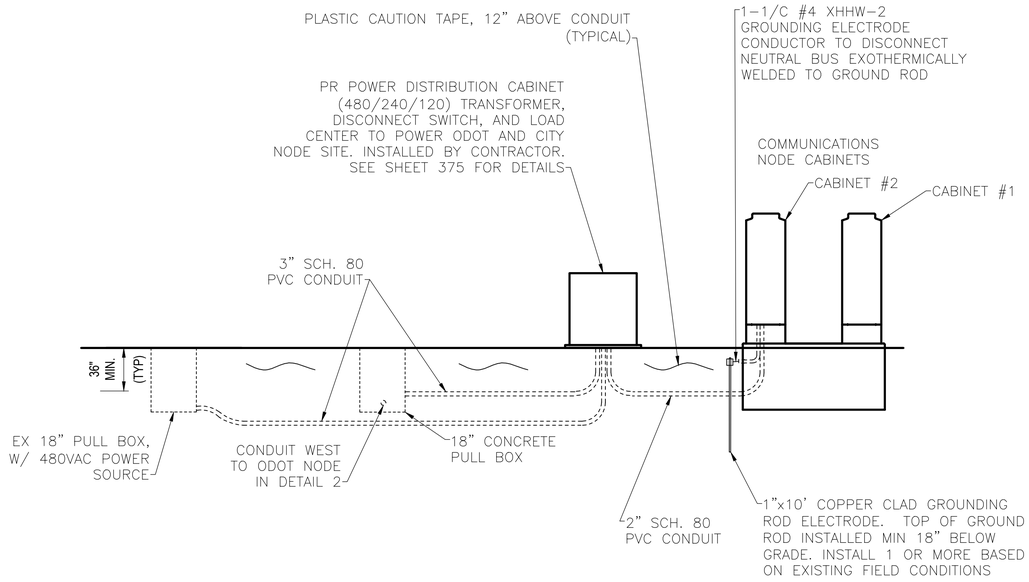
CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE POWER DETAILS, TYPE I
NODE# 270055.0 – I-270 AT I-71

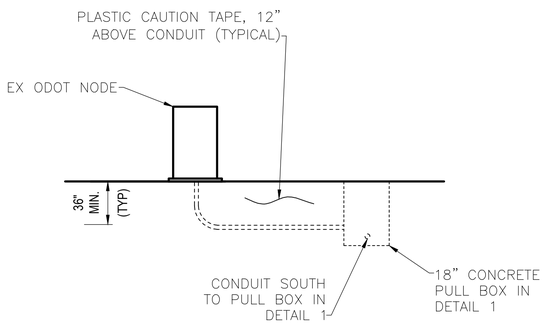
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

374
1000

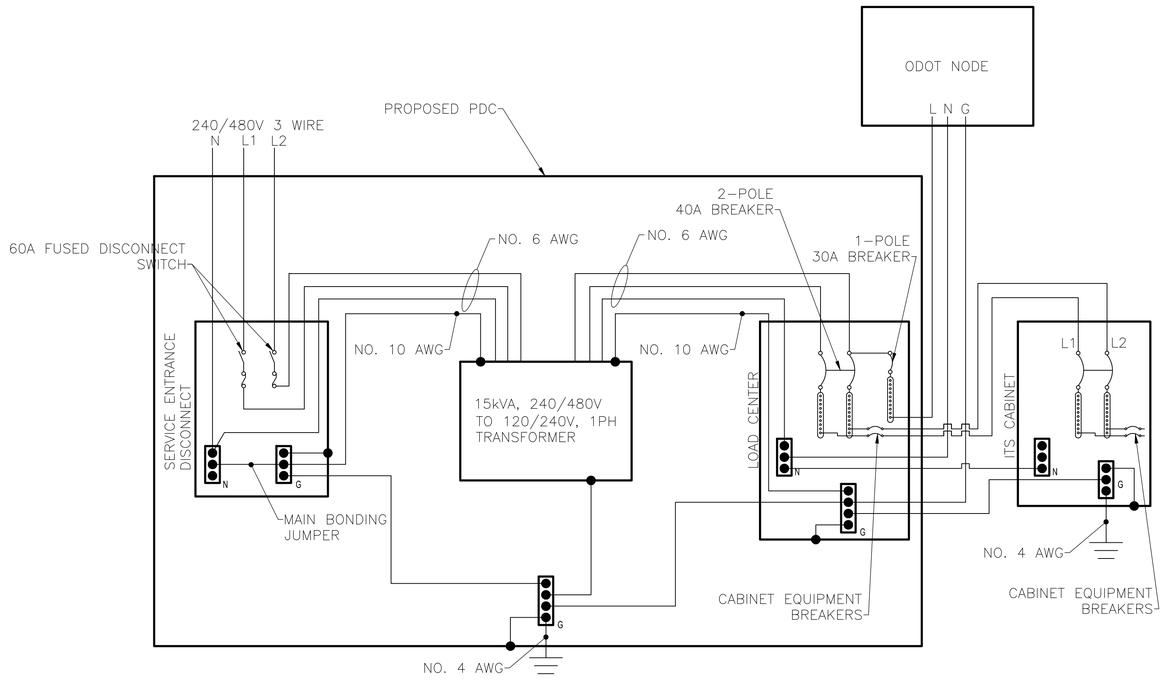
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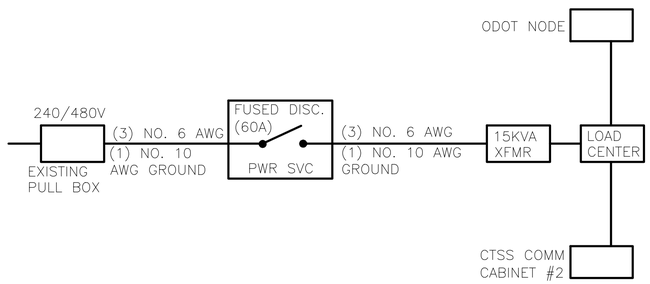
1 POWER SERVICE - I.R. 270 AND I.R. 71 - FACING NORTHWEST
SCALE: N.T.S.



2 POWER SERVICE - I.R. 270 AND I.R. 71 - FACING NORTH
SCALE: N.T.S.



3 WIRING DIAGRAM
SCALE: N.T.S.



4 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

NOTES:
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.
2. ALL WORK AND MATERIALS SHOWN ON POWER SERVICE DETAILS, THAT ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, ARE INCIDENTAL TO POWER SERVICE PAY ITEMS.
3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2014 NEC, LATEST EDITION OF NESC AND LOCAL REQUIREMENTS.
4. SEE SHEET 375 FOR POWER DISTRIBUTION CABINET DETAILS. SEE SHEET 629 FOR NODE SITE PLAN. SEE SHEET 983 FOR COMMUNICATION DETAILS.

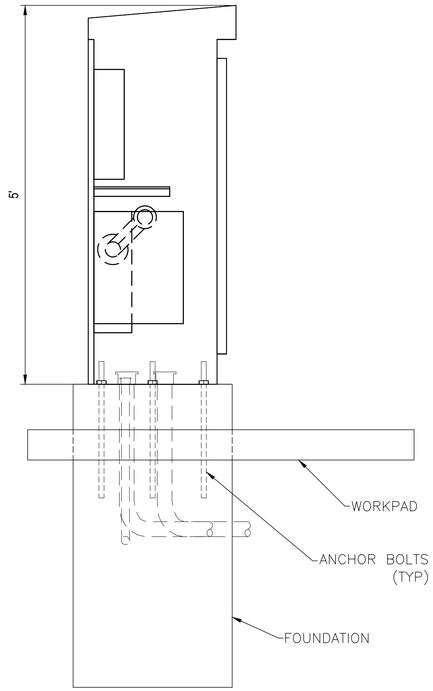
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HORIZONTAL SCALE IN FEET
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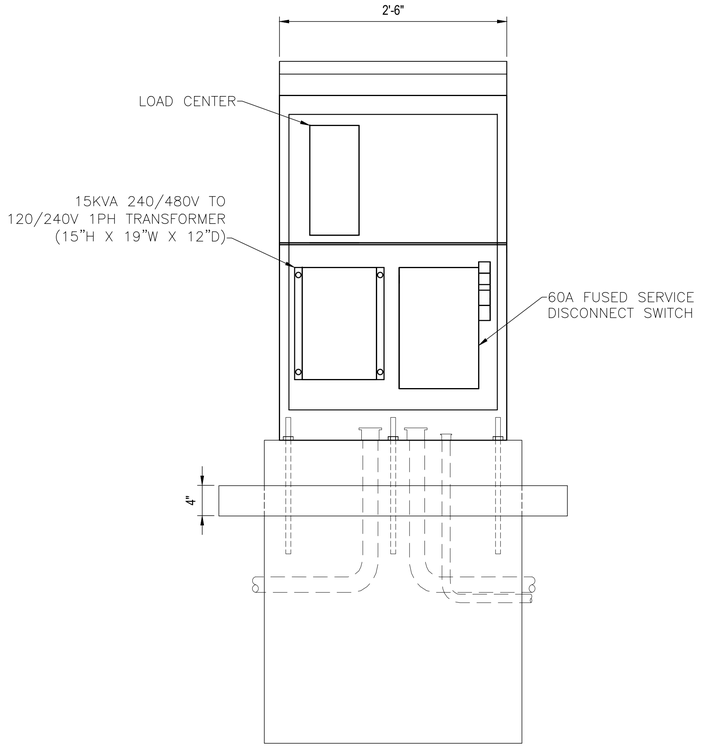
CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE POWER DETAILS, TYPE I
NODE# 270055.0 – I-270 AT I-71

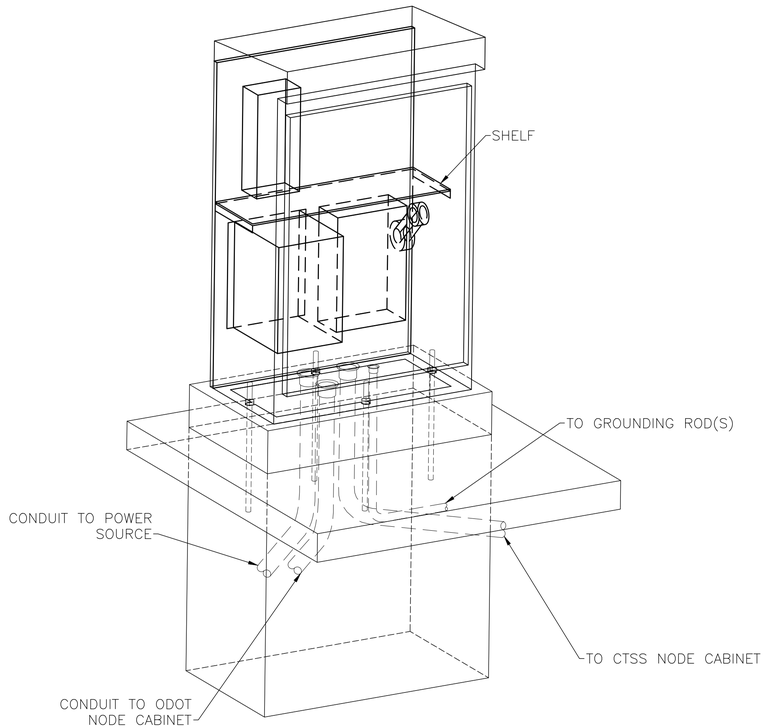
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT



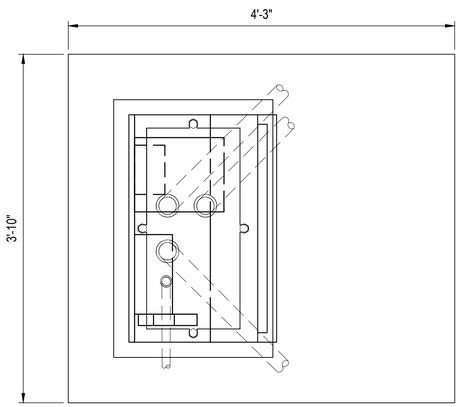
1 **PDC - I.R. 270 AND I.R. 71 - FACING WEST**
SCALE: N.T.S.



2 **PDC - I.R. 270 AND I.R. 71 - FACING SOUTH**
SCALE: N.T.S.



3 **PDC - I.R. 270 AND I.R. 71 - ISOMETRIC VIEW**
SCALE: N.T.S.



4 **PDC - I.R. 270 AND I.R. 71 - BOTTOM VIEW**
SCALE: N.T.S.

HORIZONTAL SCALE IN FEET
0 0 0

CIP: 540007-100006
PID NUMBER: 82573

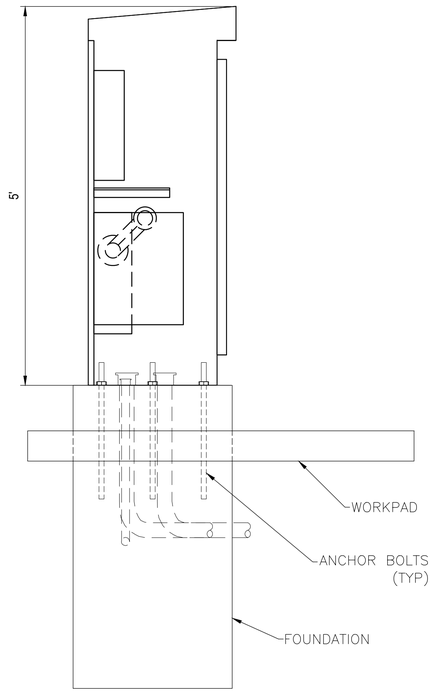
COMMUNICATIONS NODE POWER DISTRIBUTION CABINET DETAILS
NODE# 270055.0 – I-270 AT I-71

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

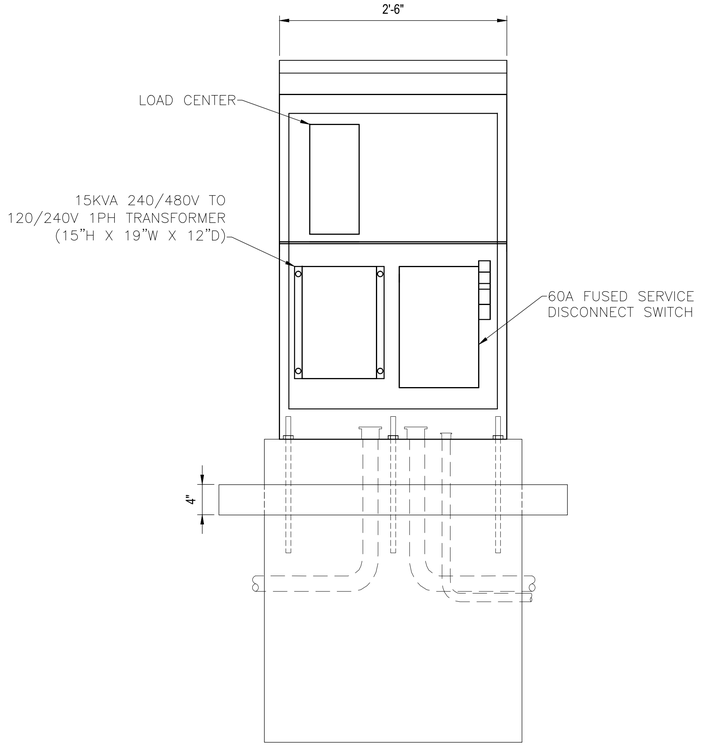
375
1000

3150-E

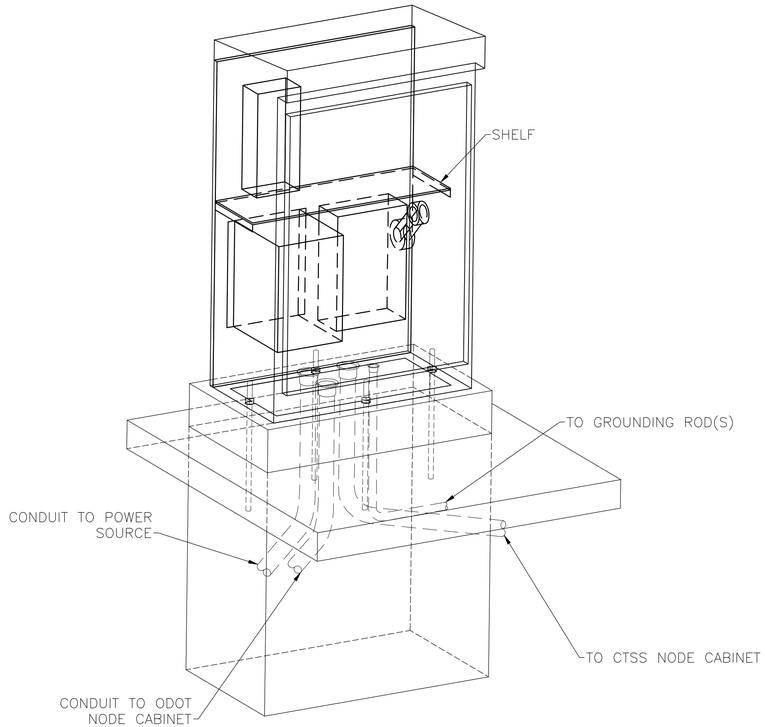
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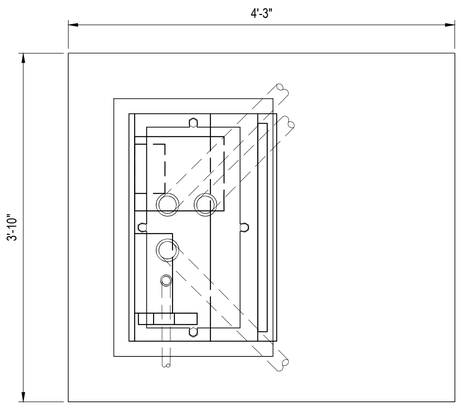
1 **PDC - I.R. 270 AND I.R. 71 - FACING WEST**
SCALE: N.T.S.



2 **PDC - I.R. 270 AND I.R. 71 - FACING SOUTH**
SCALE: N.T.S.



3 **PDC - I.R. 270 AND I.R. 71 - ISOMETRIC VIEW**
SCALE: N.T.S.



4 **PDC - I.R. 270 AND I.R. 71 - BOTTOM VIEW**
SCALE: N.T.S.

HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

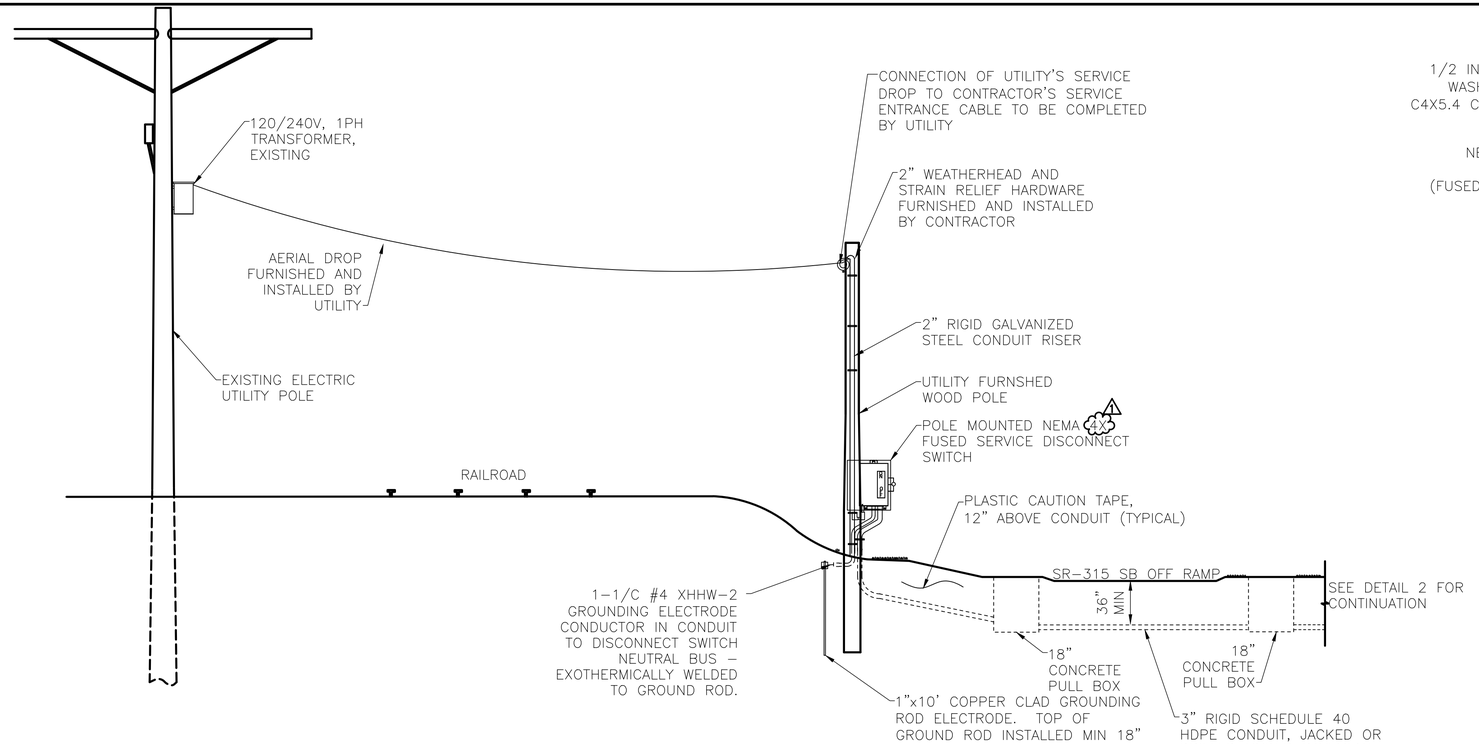
COMMUNICATIONS NODE POWER DISTRIBUTION CABINET DETAILS
NODE# 270055.0 – I-270 AT I-71

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

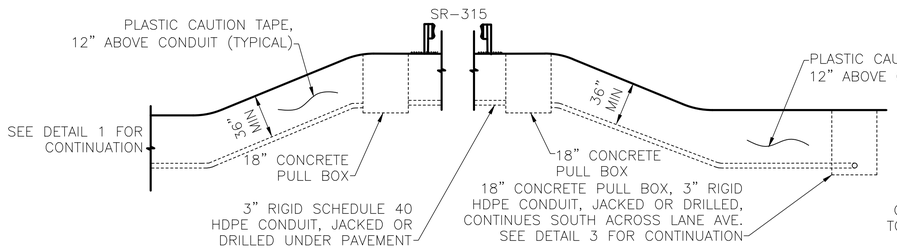
375
1000

3150-E

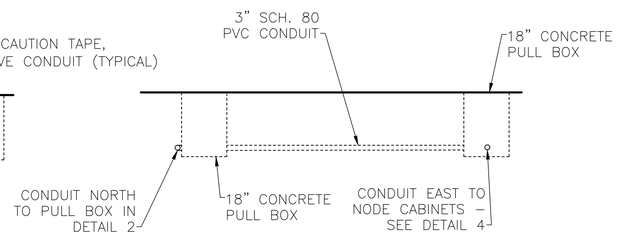
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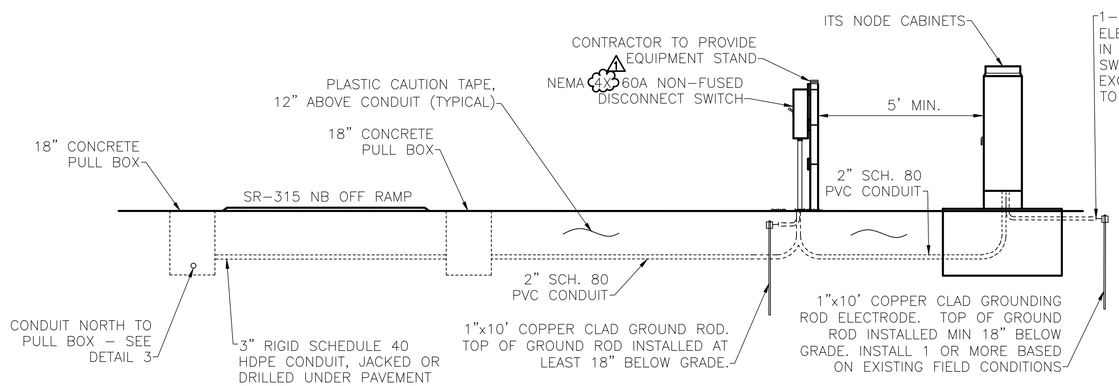
1 POWER SERVICE, LANE AVE, 315, FACING NORTH
SCALE: N.T.S.



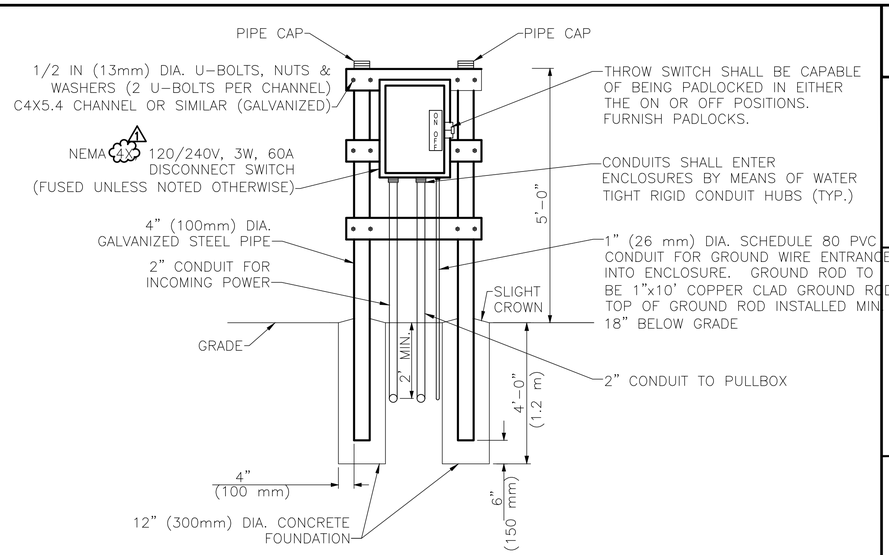
2 POWER SERVICE, LANE AVE, 315, FACING NORTH
SCALE: N.T.S.



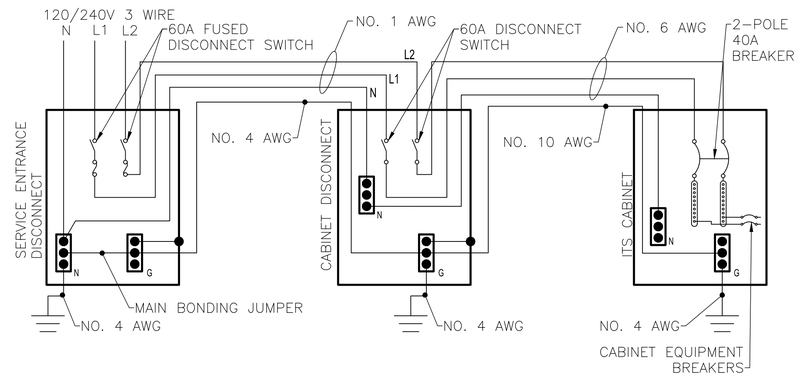
3 POWER SERVICE, LANE AVE, 315, FACING EAST
SCALE: N.T.S.



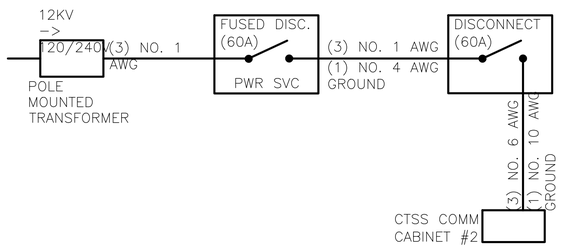
4 POWER SERVICE, LANE AVE, 315, FACING EAST
SCALE: N.T.S.



5 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.



6 WIRING DIAGRAM
SCALE: N.T.S.



7 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

NOTES:
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.
2. ALL WORK AND MATERIALS SHOWN ON POWER SERVICE DETAILS, THAT ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, ARE INCIDENTAL TO POWER SERVICE PAY ITEMS.
3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2014 NEC, LATEST EDITION OF NESC AND LOCAL REQUIREMENTS.
4. SEE SHEET ### FOR NODE SITE PLAN. SEE SHEETS 968-969 FOR COMMUNICATION DETAILS.

HORIZONTAL SCALE IN FEET
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CIP: 540007-100006
PID NUMBER: 82573

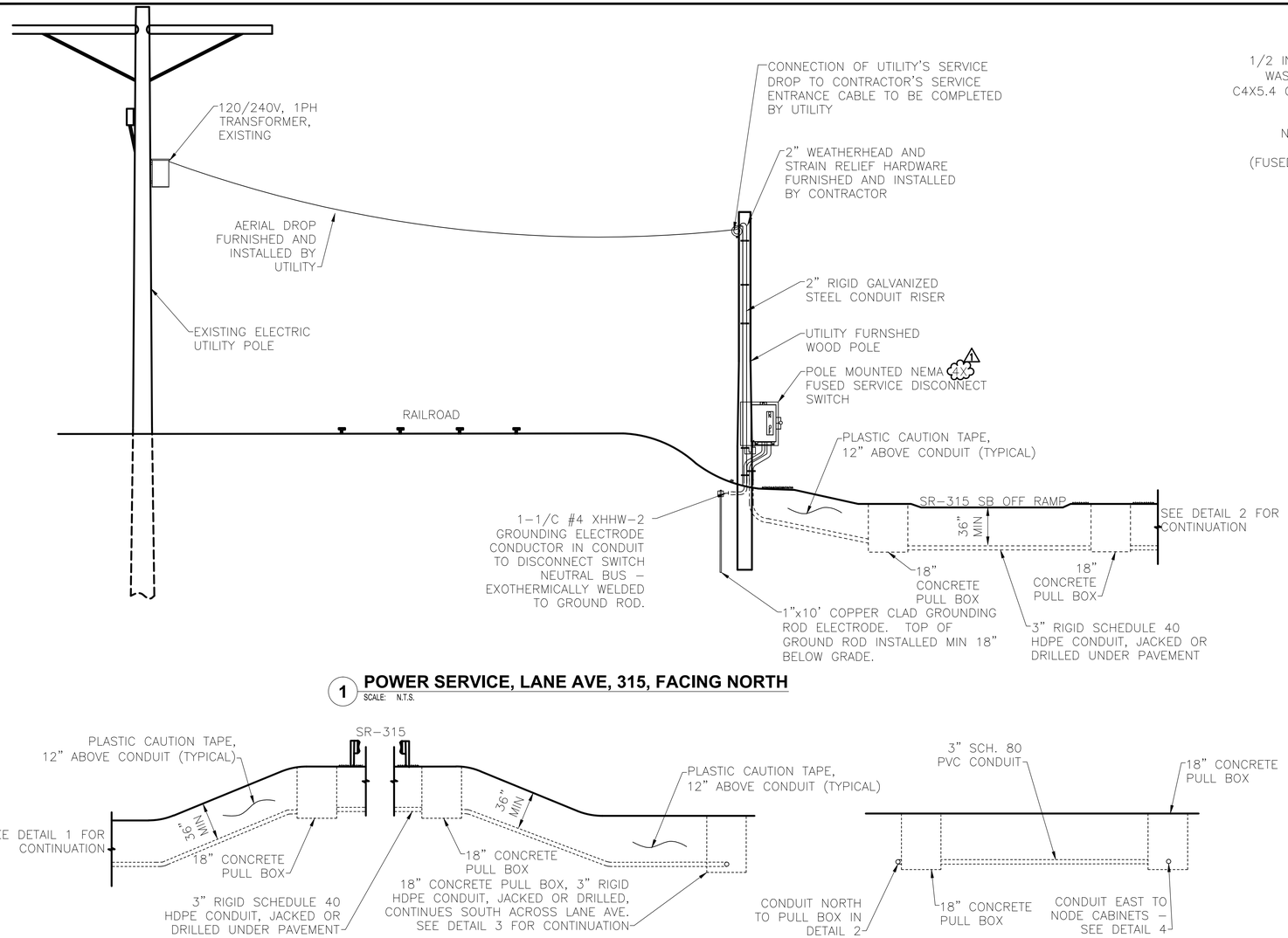
COMMUNICATIONS NODE POWER DETAILS, TYPE J
NODE# 315004.4 – SR-315 AT LANE AVENUE

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

376
1000

3150-E

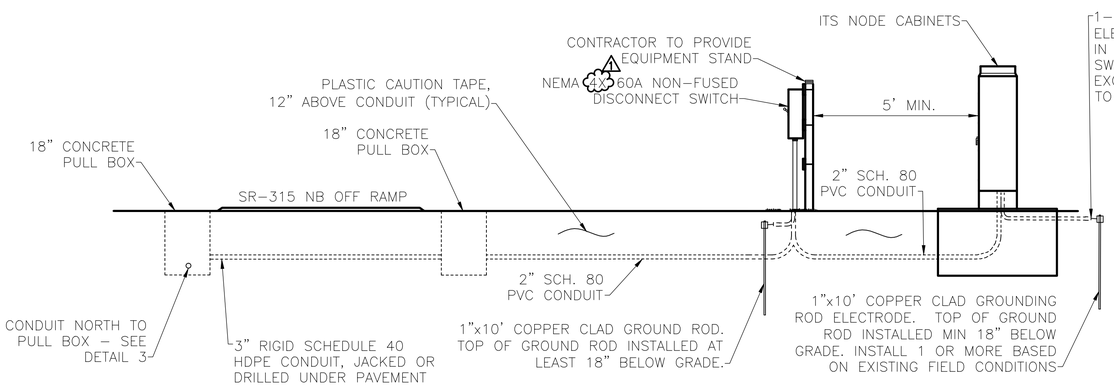
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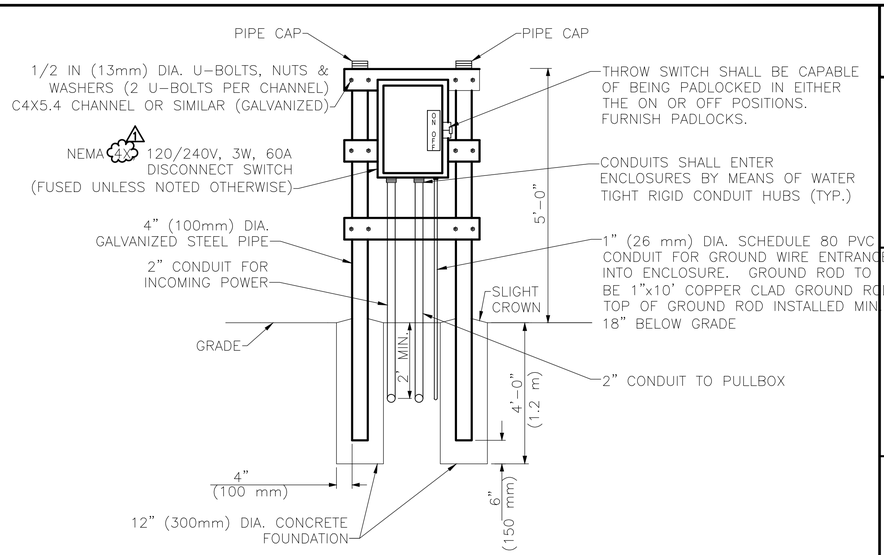
1 POWER SERVICE, LANE AVE, 315, FACING NORTH
SCALE: N.T.S.

2 POWER SERVICE, LANE AVE, 315, FACING NORTH
SCALE: N.T.S.

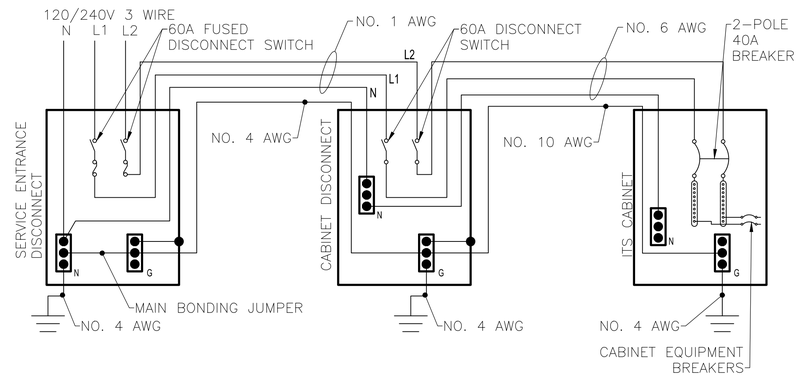
3 POWER SERVICE, LANE AVE, 315, FACING EAST
SCALE: N.T.S.



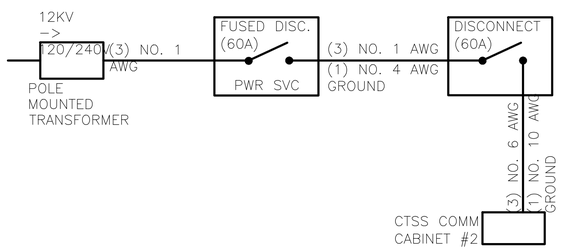
4 POWER SERVICE, LANE AVE, 315, FACING EAST
SCALE: N.T.S.



5 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.



6 WIRING DIAGRAM
SCALE: N.T.S.



7 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

NOTES:
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3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2014 NEC, LATEST EDITION OF NESC AND LOCAL REQUIREMENTS.
4. SEE SHEET 638 FOR NODE SITE PLAN. SEE SHEETS 968-969 FOR COMMUNICATION DETAILS.

HORIZONTAL SCALE IN FEET
0 0

CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE POWER DETAILS, TYPE J
NODE# 315004.4 - SR-315 AT LANE AVENUE

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

376
1000

3150-E

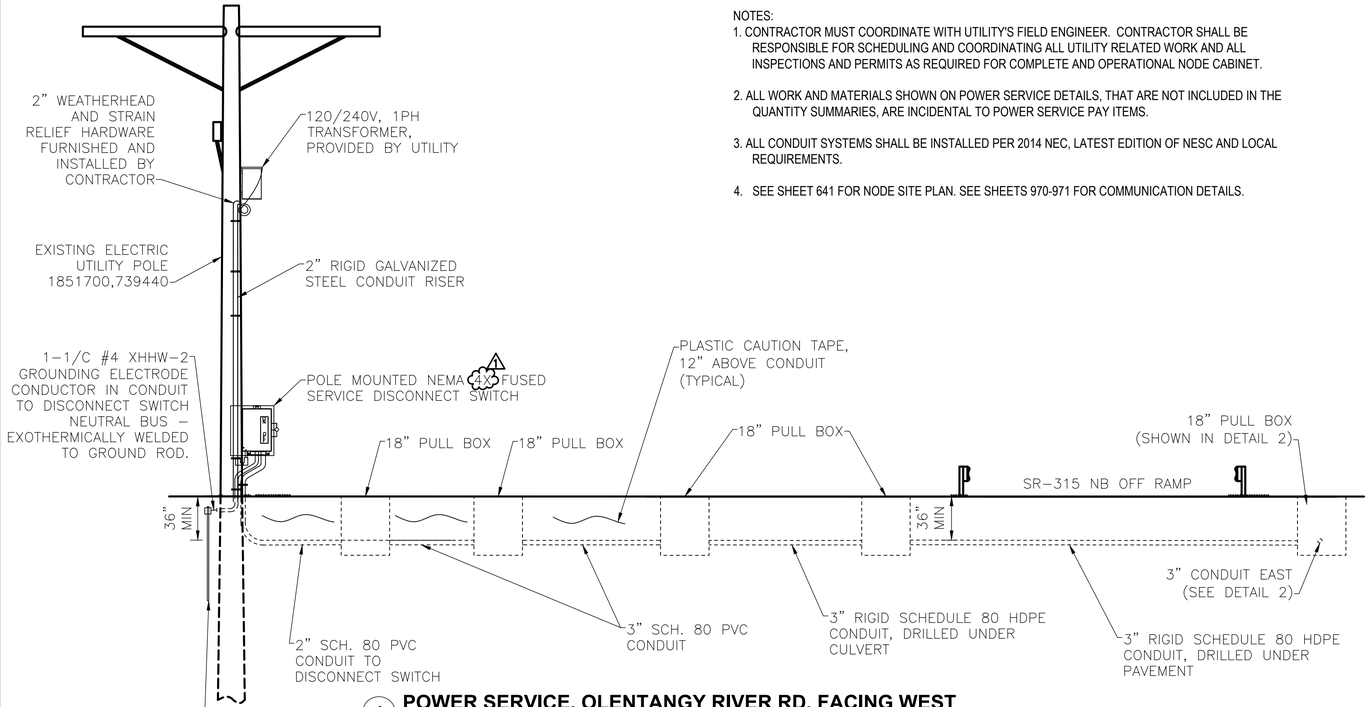
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NOTES:
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.

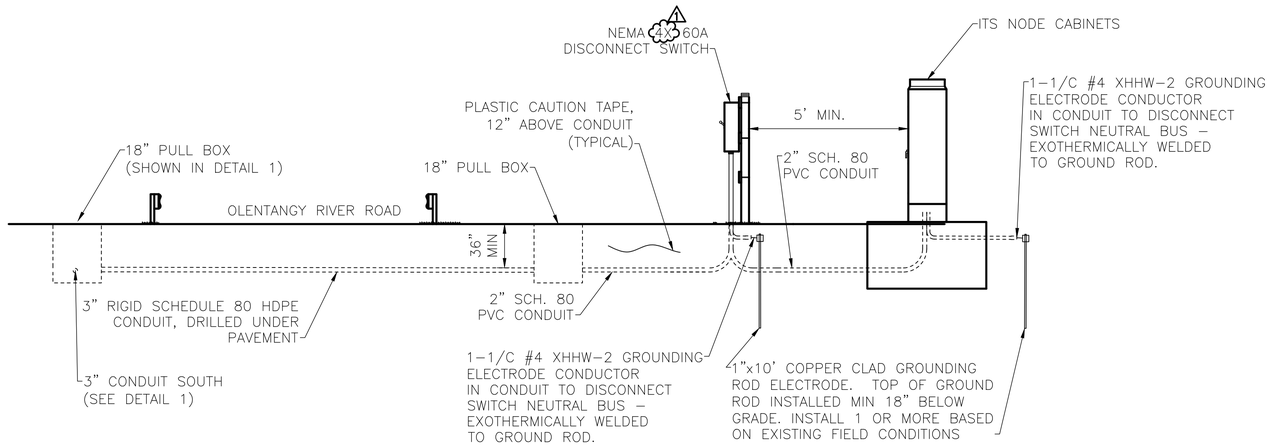
2. ALL WORK AND MATERIALS SHOWN ON POWER SERVICE DETAILS, THAT ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, ARE INCIDENTAL TO POWER SERVICE PAY ITEMS.

3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2014 NEC, LATEST EDITION OF NESC AND LOCAL REQUIREMENTS.

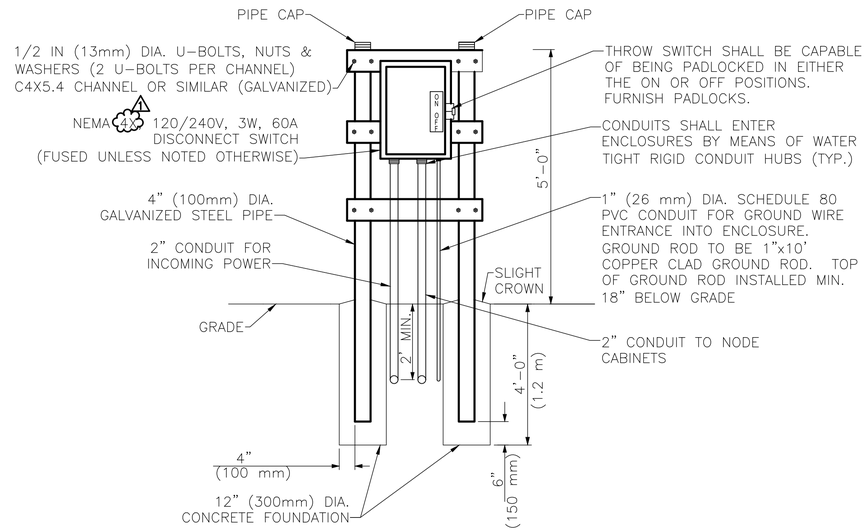
4. SEE SHEET 641 FOR NODE SITE PLAN. SEE SHEETS 970-971 FOR COMMUNICATION DETAILS.



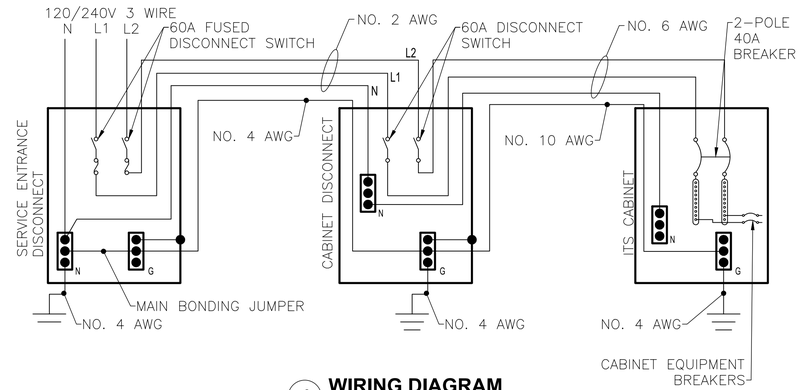
1 POWER SERVICE, OLENTANGY RIVER RD, FACING WEST
SCALE: N.T.S.



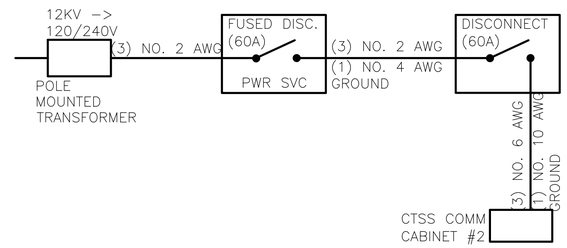
2 POWER SERVICE, OLENTANGY RIVER ROAD, FACING NORTH
SCALE: N.T.S.



3 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.



4 WIRING DIAGRAM
SCALE: N.T.S.



5 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

HORIZONTAL SCALE IN FEET
0 0

CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE POWER DETAILS, TYPE K
NODE# 315006.2 – SR-315 AT NORTH BROADWAY

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

377
1000

3150-E

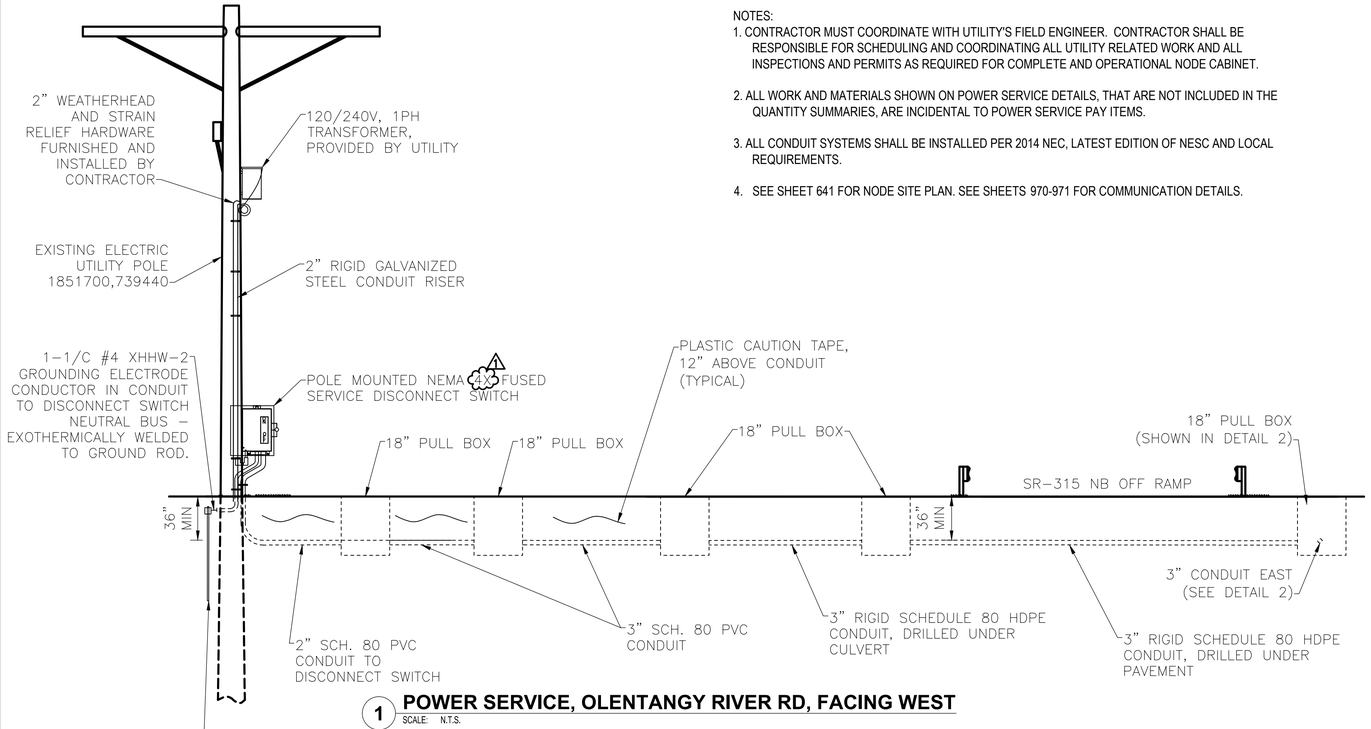
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NOTES:
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.

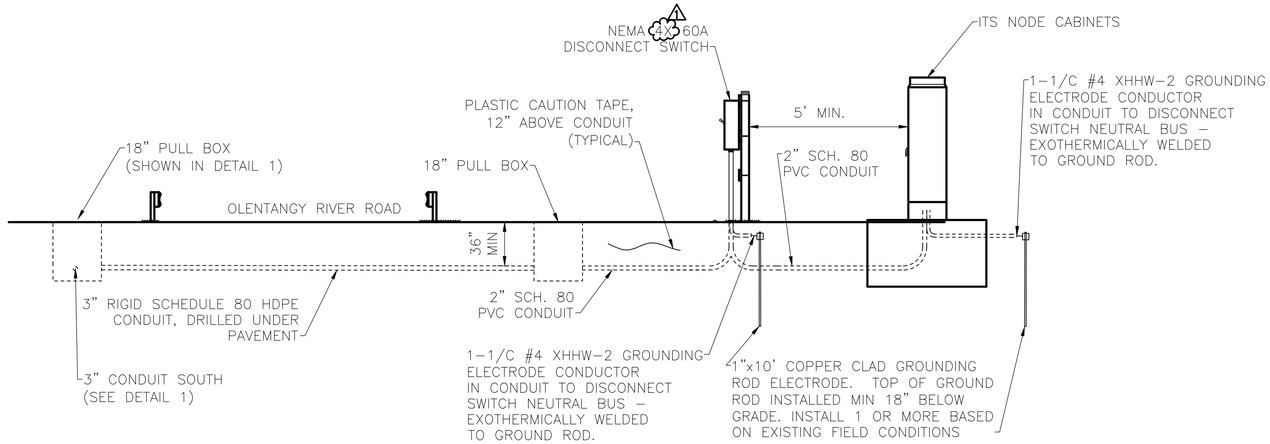
2. ALL WORK AND MATERIALS SHOWN ON POWER SERVICE DETAILS, THAT ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, ARE INCIDENTAL TO POWER SERVICE PAY ITEMS.

3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2014 NEC, LATEST EDITION OF NESC AND LOCAL REQUIREMENTS.

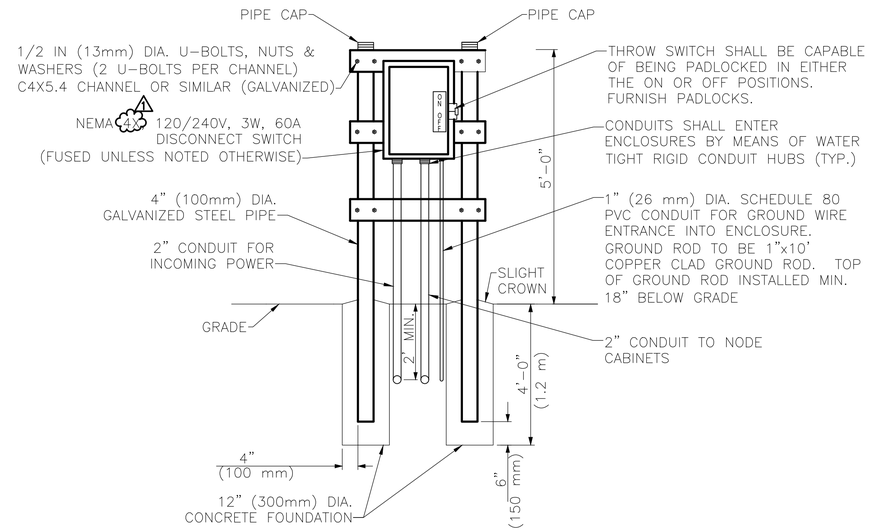
4. SEE SHEET 641 FOR NODE SITE PLAN. SEE SHEETS 970-971 FOR COMMUNICATION DETAILS.



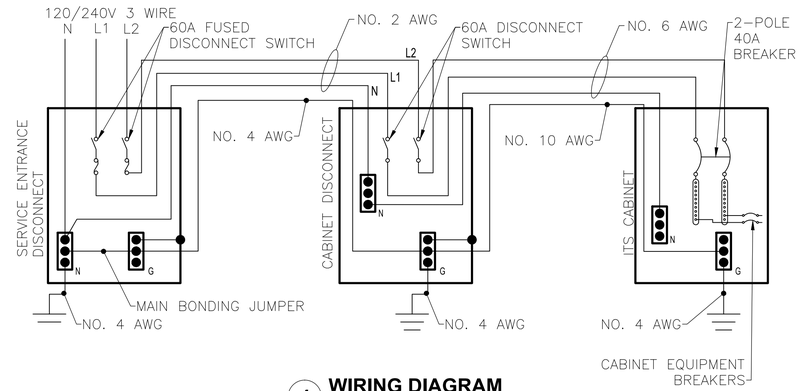
1 POWER SERVICE, OLENTANGY RIVER RD, FACING WEST
SCALE: N.T.S.



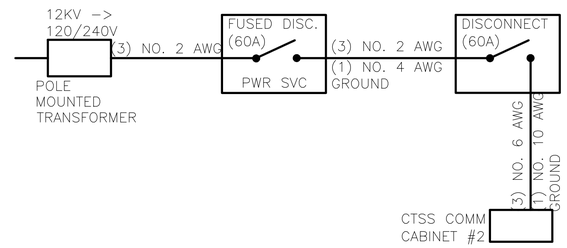
2 POWER SERVICE, OLENTANGY RIVER ROAD, FACING NORTH
SCALE: N.T.S.



3 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.



4 WIRING DIAGRAM
SCALE: N.T.S.



5 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

HORIZONTAL SCALE IN FEET
0 0

CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE POWER DETAILS, TYPE K
NODE# 315006.2 – SR-315 AT NORTH BROADWAY

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

377
1000

3150-E

J:\Jobs\60135\TECHPROD\Sheets\Index\CTSS_PhD_Power_Details.dwg – NODE# 315006.2 layout ~ last saved by: nrubenstein 01/27/2017 12:29pm ~ printed 11/09/2018 01:11pm

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CIP: 540007-100006
PID NUMBER: 82573

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

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CIP: 540007-100006
PID NUMBER: 82573

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

379
1000

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CIP: 540007-100006
PID NUMBER: 82573

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

380
1000

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SHEET INTENTIONALLY LEFT BLANK

CIP: 540007-100006
PID NUMBER: 82573

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

3150-E

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SHEET INTENTIONALLY LEFT BLANK

CIP: 540007-100006
PID NUMBER: 82573

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

3150-E

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CIP: 540007-100006
PID NUMBER: 82573

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

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CIP: 540007-100006
PID NUMBER: 82573

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

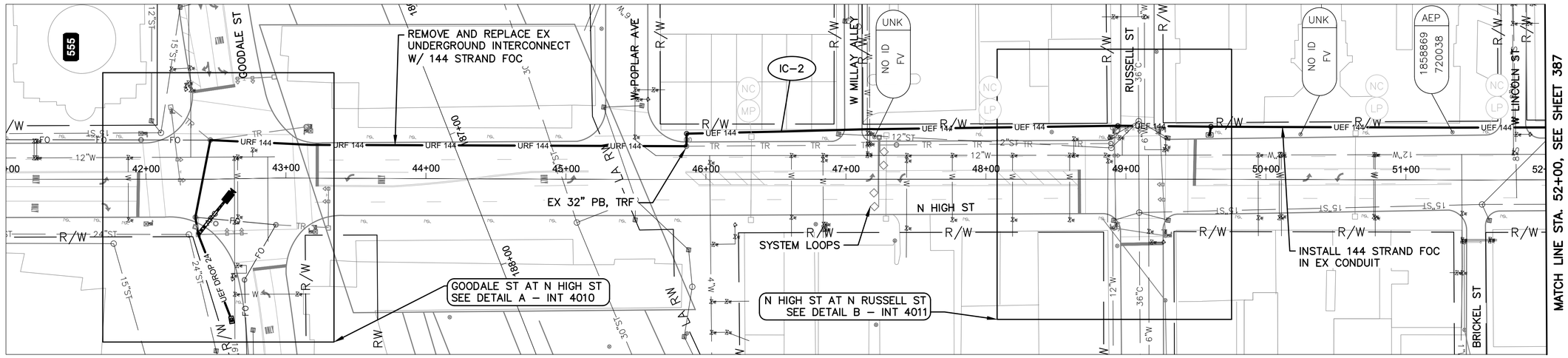
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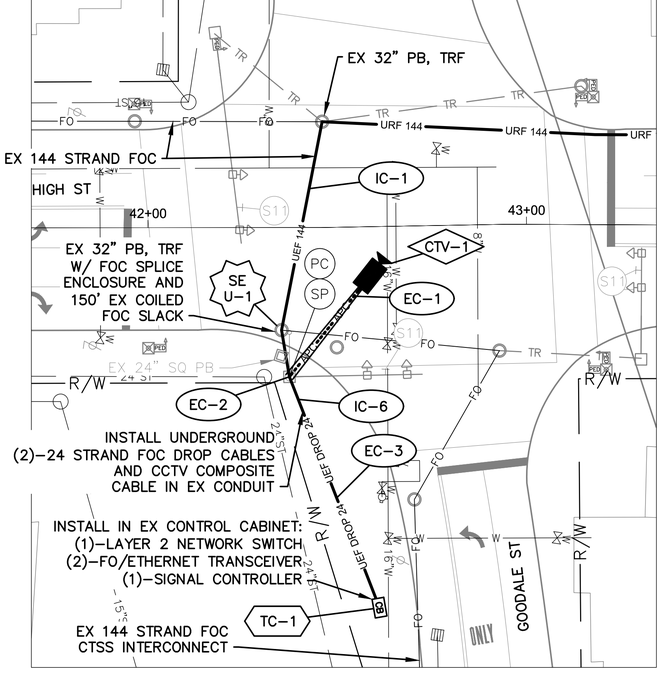
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

CIP: 540007-100006
PID NUMBER: 82573

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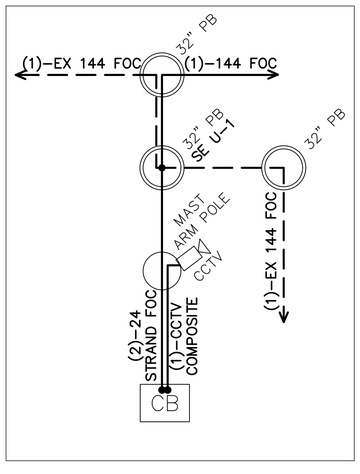


N HIGH ST BETWEEN STATION 41+00 AND 52+00

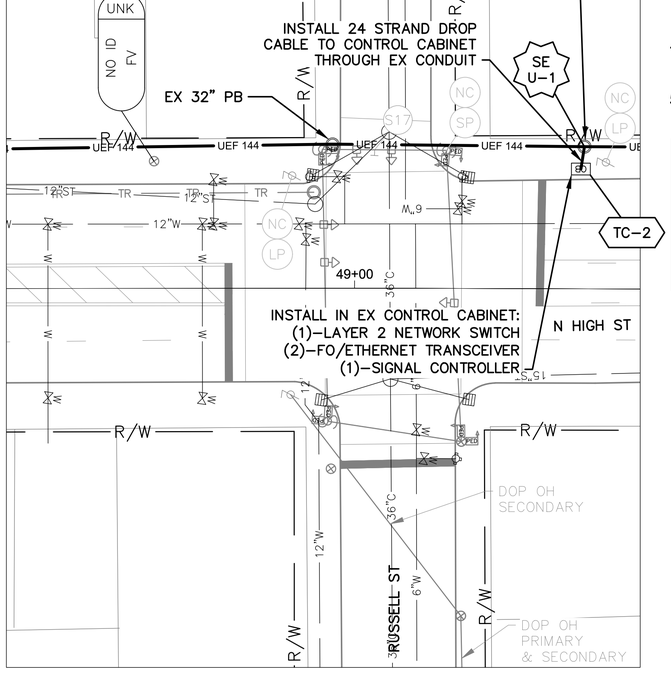


DETAIL A - INT 4010

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 4010
NOT TO SCALE



DETAIL B - INT 4011

0 20 40
HORIZONTAL SCALE IN FEET

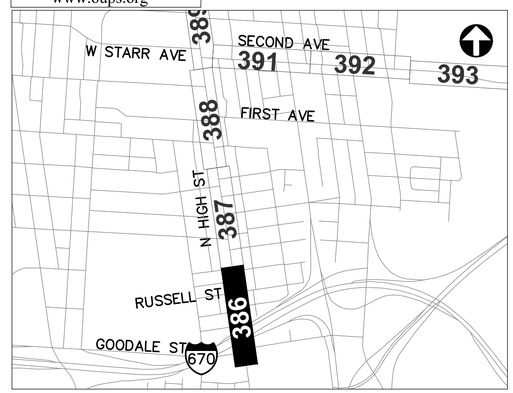
NOTES:

1. SEE SHEET 390 FOR QUANTITIES.
2. SEE SHEETS 674, 687 & 689 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
4. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.
5. USE EXISTING AERIAL ATTACHMENTS ON ARCHES OVER HIGH STREET.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

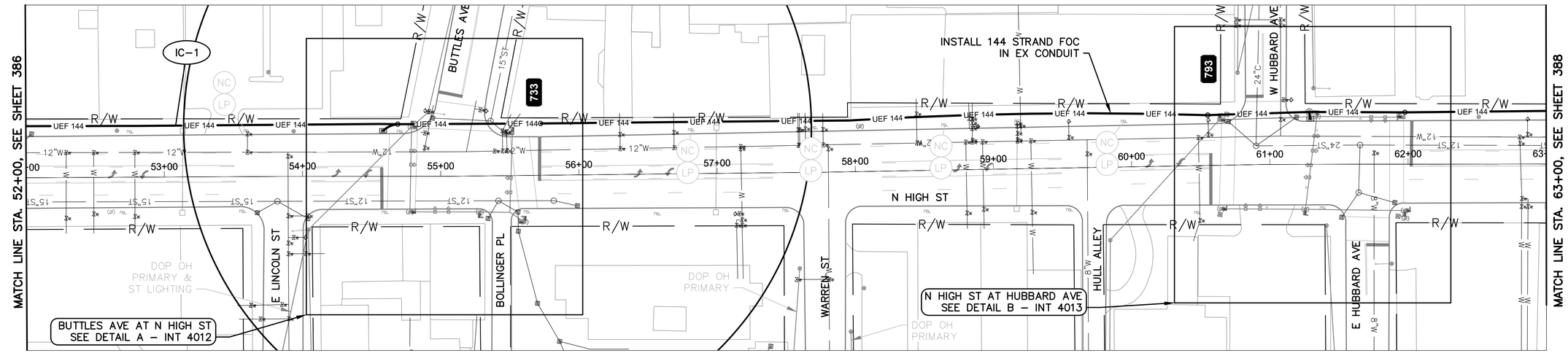
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 41+00 AND 52+00, INTS 4010 & 4011

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

386
1000

3150-E

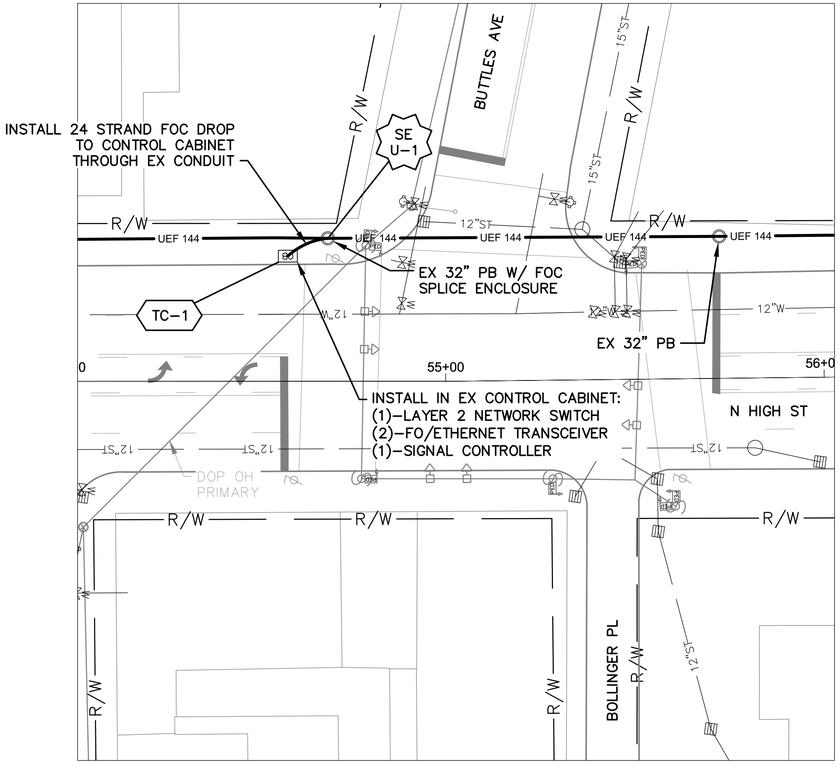
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N HIGH ST BETWEEN STATION 52+00 AND 63+00

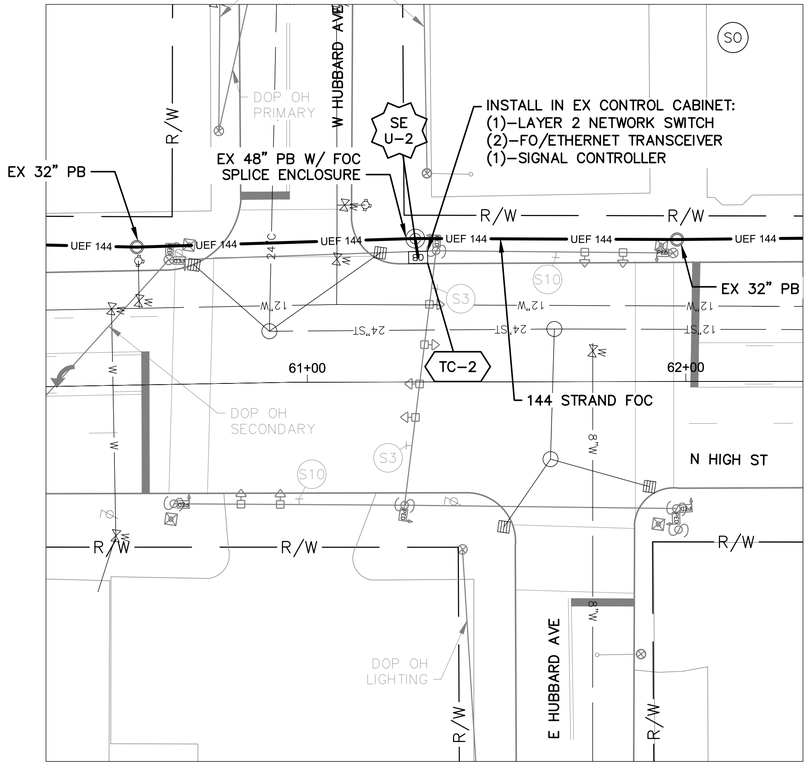
NOTES:

1. SEE SHEET 390 FOR QUANTITIES.
2. SEE SHEETS 674, 690 & 691 FOR COMMUNICATION DETAILS.



DETAIL A - INT 4012

0 20 40
HORIZONTAL SCALE IN FEET



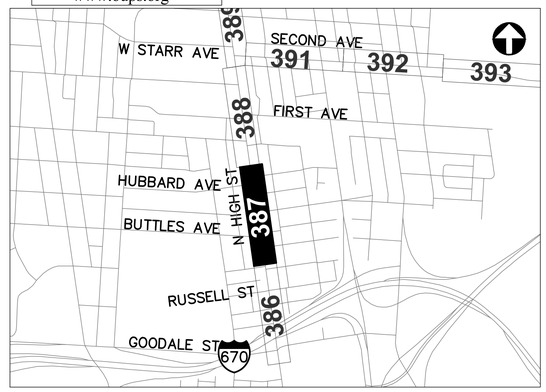
DETAIL B - INT 4013

0 20 40
HORIZONTAL SCALE IN FEET

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

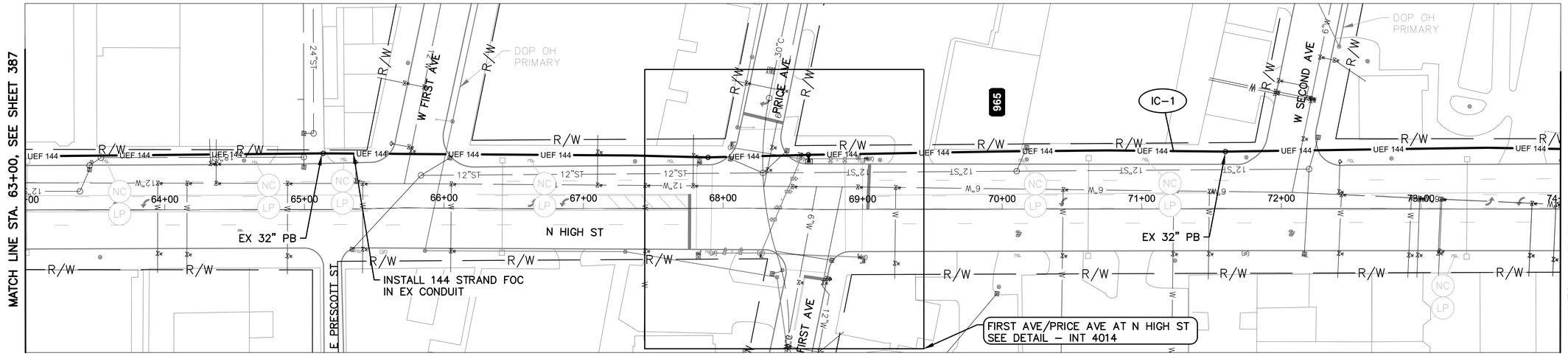
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 52+00 AND 63+00, INTS 4012 & 4013

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

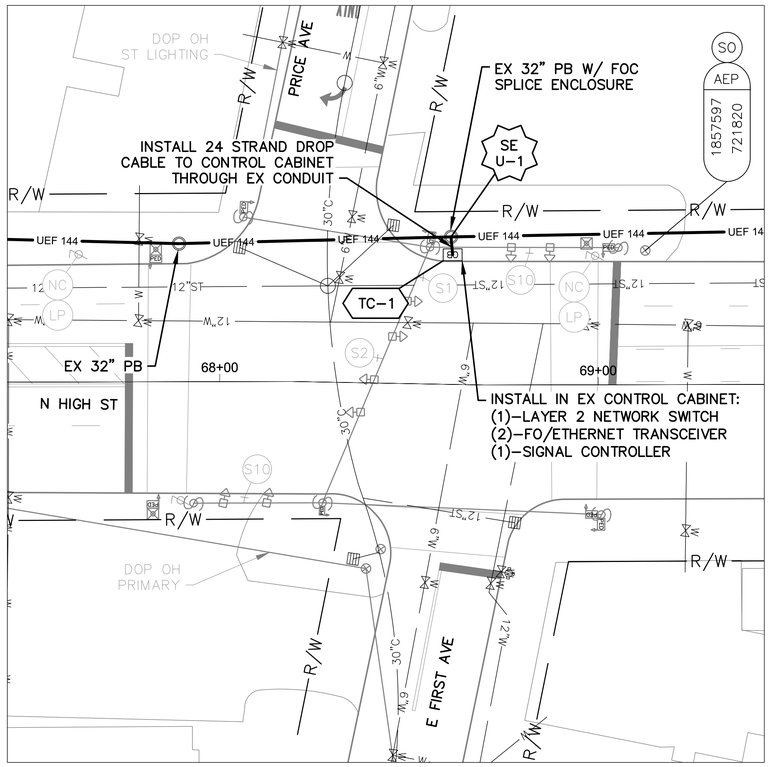
387
1000

3150-E

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N HIGH ST BETWEEN STATION 63+00 AND 74+00



DETAIL - INT 4014

0 20 40
HORIZONTAL SCALE IN FEET

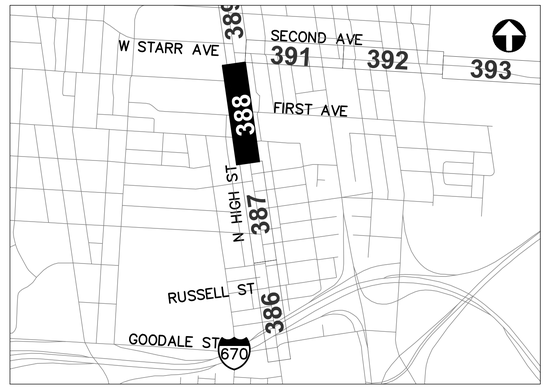
NOTES:

1. SEE SHEET 390 FOR QUANTITIES.
2. SEE SHEETS 674 & 692 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.
4. USE EXISTING AERIAL ATTACHMENTS ON ARCHES OVER HIGH STREET.
5. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

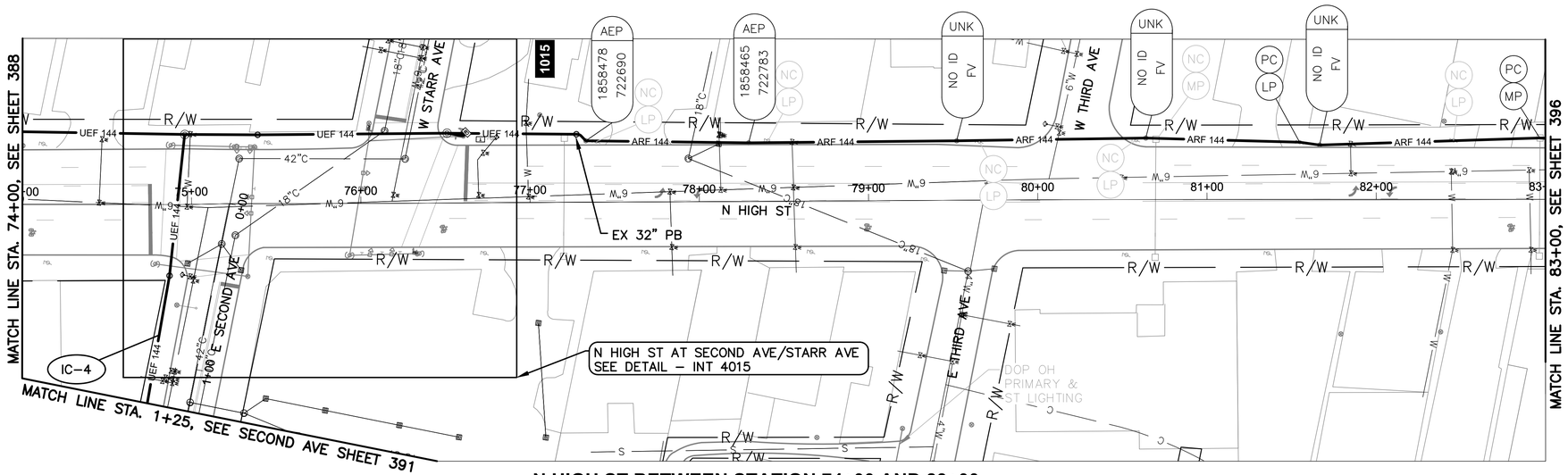
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 63+00 AND 74+00, INT 4014

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

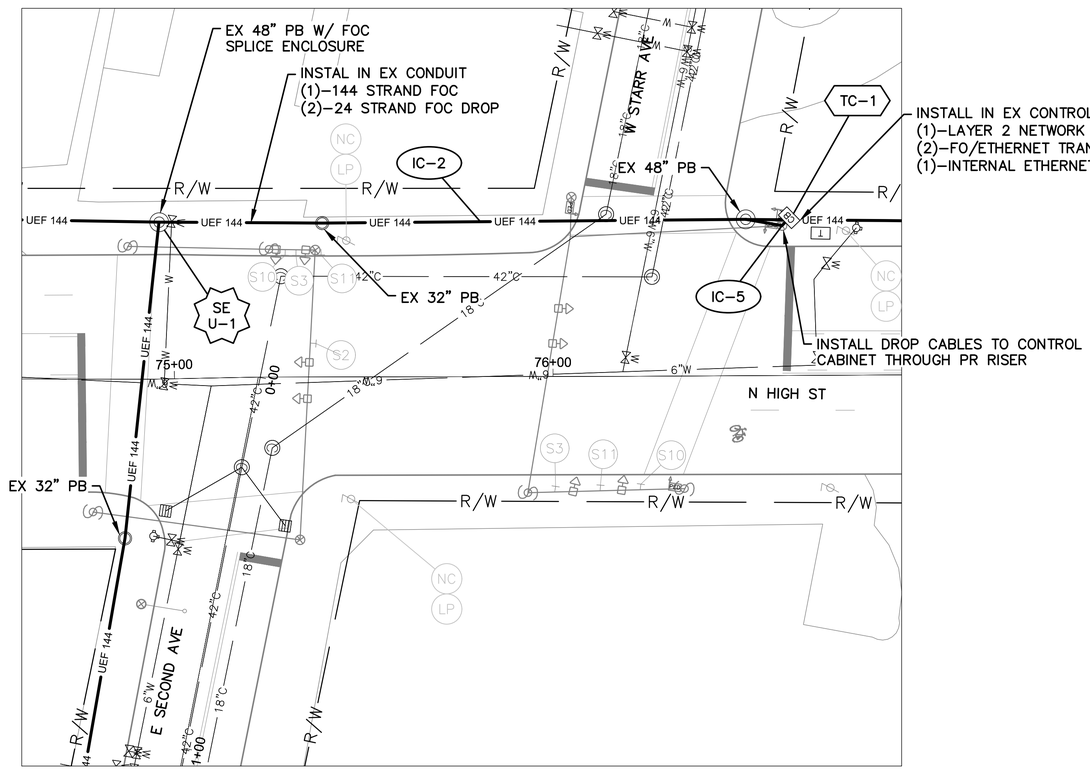
388
1000

3150-E

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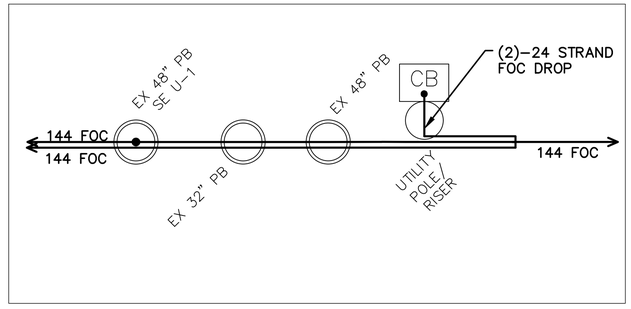


N HIGH ST BETWEEN STATION 74+00 AND 83+00



DETAIL - INT 4015

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 4015
NOT TO SCALE

NOTES:

1. SEE SHEET 390 FOR QUANTITIES.
2. SEE SHEETS 674 & 693 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.
4. USE EXISTING AERIAL ATTACHMENTS ON ARCHES OVER HIGH STREET.
5. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
6. 150' ADDITIONAL SLACK QUANTIFIED AT SPLICE LOCATION FOR FUTURE DoT USE.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 74+00 AND 83+00, INT 4015

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

389
1000

3150-E

J:\Jobs\601351\TECHPRO0\Sheets\CTSS_PhD_Trunk4_HIGH_INTERCONNECT.dwg – HIGH–4 layout ~ last saved by: jbeans 03/19/2020 11:31am ~ printed 03/19/2020 01:34pm

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	632	632	632	632	632	632	632	632	633	633	633	633					
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	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	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: INTERNAL ETHERNET MODULE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN					
			FROM	TO	FT	EACH	EACH	FT	EACH	FT	EACH	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH					
N HIGH ST. BETWEEN STA. 41+00 AND 52+00, INTS 4010 & 4011																							
386	IC-1	N HIGH ST	42+35, 27' RT	42+46, 28' LT	56			56															
386	SE U-1	N HIGH ST	42+35, 27' RT					75	228		1												
386	IC-6	N HIGH ST	42+35, 27' RT	42+59, 101' RT	78							2											
386	EC-1	N HIGH ST	42+39, 41' RT	42+58, 32' RT										30									
386	EC-2	N HIGH ST	42+39, 41' RT			1								35									
386	EC-3	N HIGH ST	42+39, 41' RT	42+59, 101' RT										66									
386	IC-2	N HIGH ST	42+46, 28' LT	45+87, 30' LT	347			347															
386	CTV-1	N HIGH ST	42+58, 32' RT												1								
386	TC-1	N HIGH ST	42+59, 101' RT													2							
386	IC-3	N HIGH ST	45+87, 30' LT					5															
386	IC-4	N HIGH ST	45+87, 30' LT	48+47, 34' LT				2		260			26										
386	SE A-1	N HIGH ST	48+47, 34' LT					150	24		1												
386	IC-7	N HIGH ST	48+47, 34' LT	48+91, 37' LT						45		1	45										
386	IC-5	N HIGH ST	48+47, 34' LT	52+00, 34' LT				358		353			358										
386	TC-2	N HIGH ST	48+91, 37' LT													2							
N HIGH ST. BETWEEN STA. 52+00 AND [illegible]00, INTS 4012 & [illegible]																							
387	IC-1	N HIGH ST	52+00, 34' LT	54+68, 36' LT				273		269			273										
387	SE A-1	N HIGH ST	54+68, 36' LT					150	24		1												
387	IC-4	N HIGH ST	54+68, 36' LT	54+[illegible]								1											
387	TC-1	N HIGH ST	54+[illegible], 36' LT													2		1	1				
387	IC-2	N HIGH ST	54+[illegible], 36' LT	61+96, 34' LT				273		728			729										
387	IC-5	N HIGH ST	61+34, 35' LT	61+96, 34' LT								1											
387	TC-2	N HIGH ST	61+34, 35' LT				1									2		1	1				
387	SE A-2	N HIGH ST	61+96, 34' LT					150	24		1												
387	IC-[illegible]	N HIGH ST	61+[illegible], 34' LT	63+00, 35' LT				105		93			105										
N HIGH ST. BETWEEN STA. [illegible]+00 AND 74+00, INT 4014																							
388	IC-1	N HIGH ST	63+00, 35' LT	69+12, 35' LT				622		613			622										
388	IC-3	N HIGH ST	69+05, 36' LT	69+12, 35' LT								1											
388	TC-1	N HIGH ST	[illegible]6' LT															1	1				
388	SE A-1	N HIGH ST	69+12, [illegible] LT					150	24		1												
388	IC-2	N HIGH ST	69+12, [illegible] LT	74+00, 34' RT				565		557			565										
N HIGH ST. BETWEEN STA. 74+00 AND 83+00, INT 4015																							
389	IC-1	N HIGH ST	74+00, 34' RT	75+37, 34' LT				136		134			136										
389	IC-2	N HIGH ST	75+33, 43' RT	76+60, 40' LT				406		200			203										
389	SE A-1	N HIGH ST	76+60, 40' LT					375	222		1												
389	IC-3	N HIGH ST	76+60, 40' LT	83+00, 36' LT				650		640			650										
389	IC-4	E SECOND ST	1+25, 18' RT	0+40, 19' LT				108		106			108										
389	IC-5	N HIGH ST	76+60, 40' LT	76+60, 40' LT								2											
389	TC-1	N HIGH ST	76+60, 40' LT				1									2	1	1					
SHEET TOTAL					481	1	4	5,714	546	4,008	6	8	4,068	141	1	12	1	6	5	-	-	-	-	-

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

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

3150-E

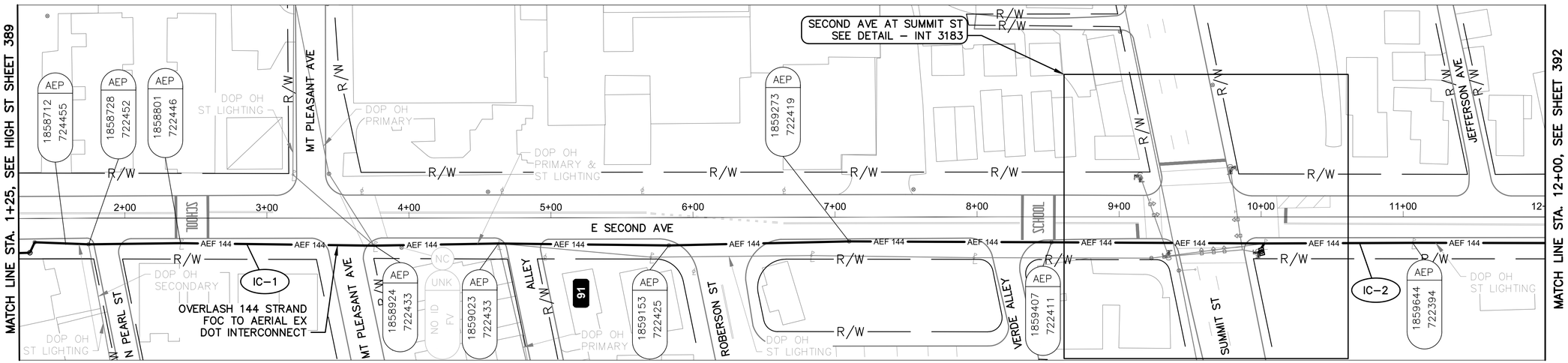
CIP: 540007–100006
PID NUMBER: 82573

HIGH ST BETWEEN STA. 41+00 & 83+00
INTS 4010, 4011, 4012, 4013, 4014, 4015

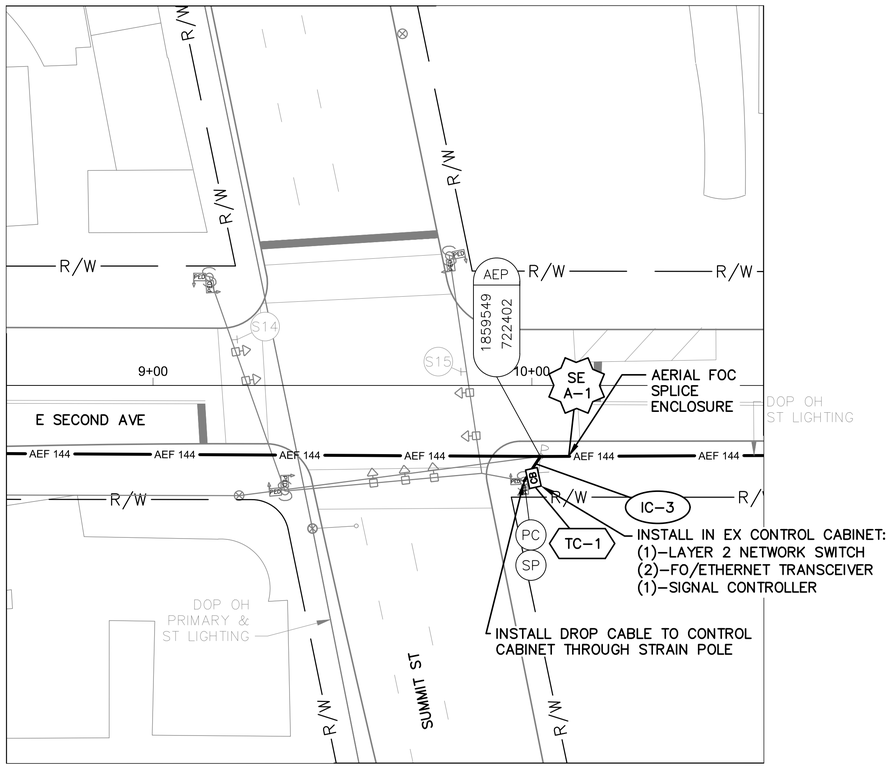
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

390
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk3_HIGH_JC_QUANTITIES.dwg ~ HIGH–Q1 layout ~ last saved by: sdlowry 09/07/2016 01:11pm ~ printed 03/19/2020 01:35pm



SECOND AVE BETWEEN STATION 1+25 AND 12+00

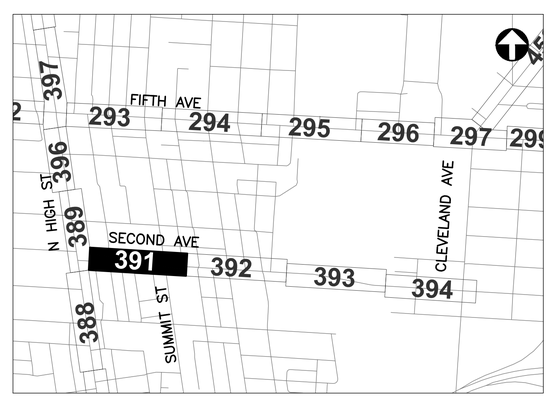


DETAIL - INT 3183

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 395 FOR QUANTITIES.
2. SEE SHEETS 674 & 694 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

Ohio Utilities Protection Service
Call Before You Dig
800-362-2764 or 8-1-1
www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

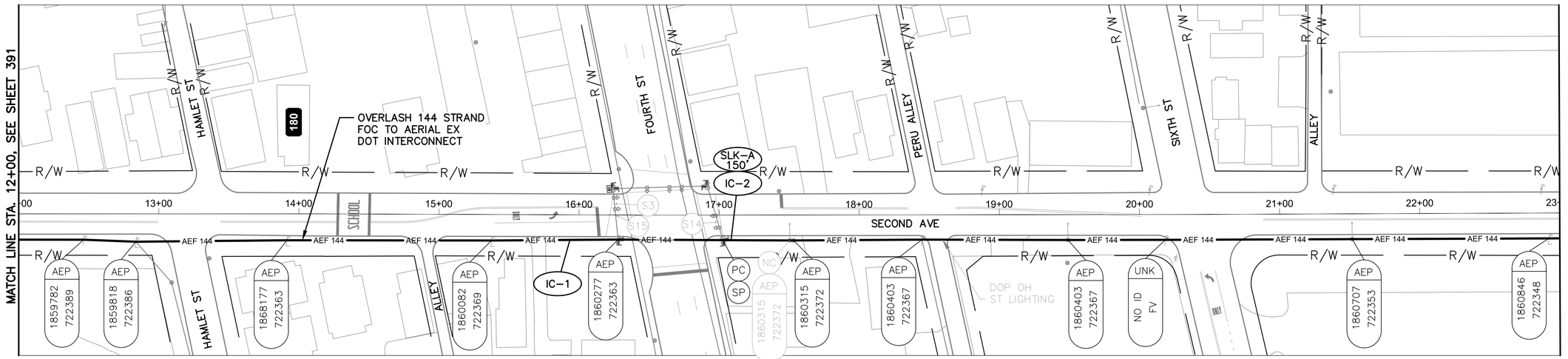
INTERCONNECT PLAN
SECOND AVE BETWEEN STA. 1+25 AND 12+00, INT 3183

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

391
1000

3150-E

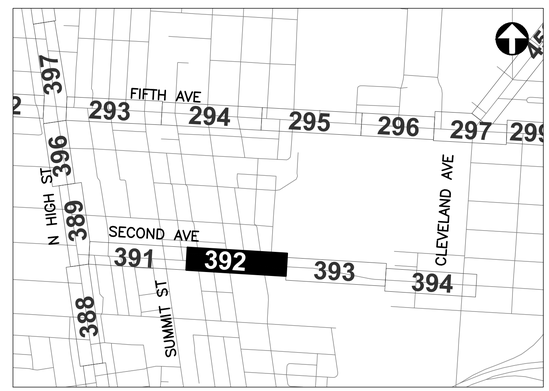
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SECOND AVE BETWEEN STATION 12+00 AND 23+00

NOTES:

1. SEE SHEET 395 FOR QUANTITIES.
2. SEE SHEET 674 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100006
PID NUMBER: 82573

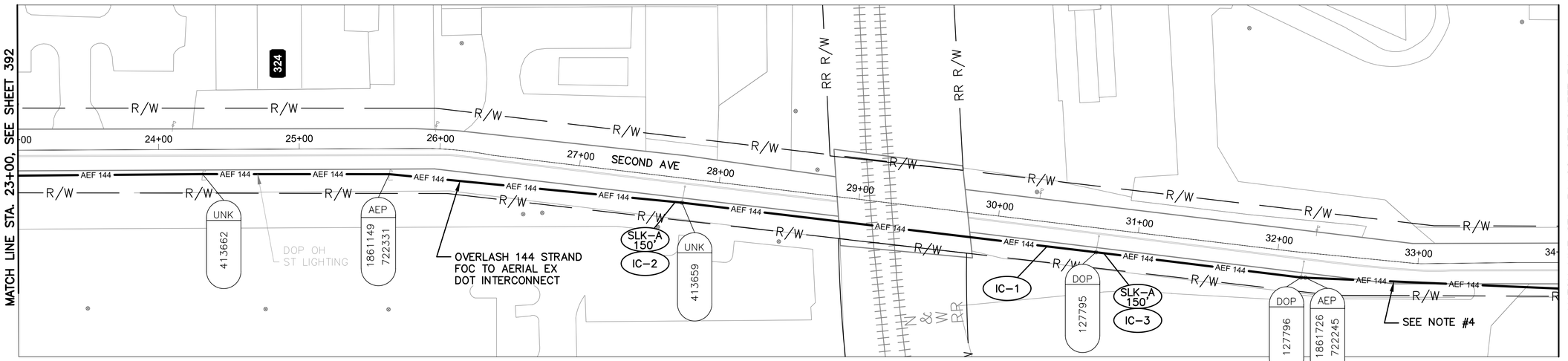
INTERCONNECT PLAN
SECOND AVE BETWEEN STA. 12+00 AND 23+00

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

3150-E

392
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk4_SECOND_INTERCONNECT.dwg – SECOND–1A layout ~ last saved by: jbeans 10/11/2018 11:14am ~ printed 03/19/2020 01:37pm



SECOND AVE BETWEEN STATION 23+00 AND 34+00

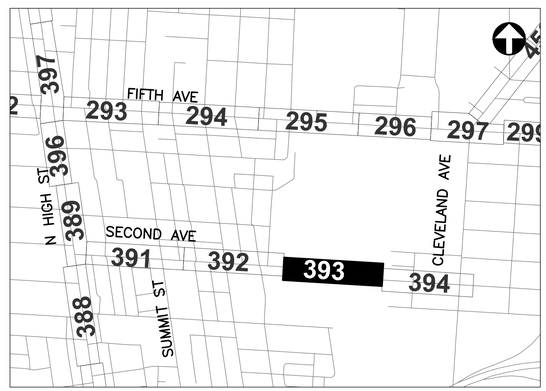
NOTES:

1. SEE SHEET 395 FOR QUANTITIES.
2. SEE SHEETS 674 & 675 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 29+20, 20' RT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.
4. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

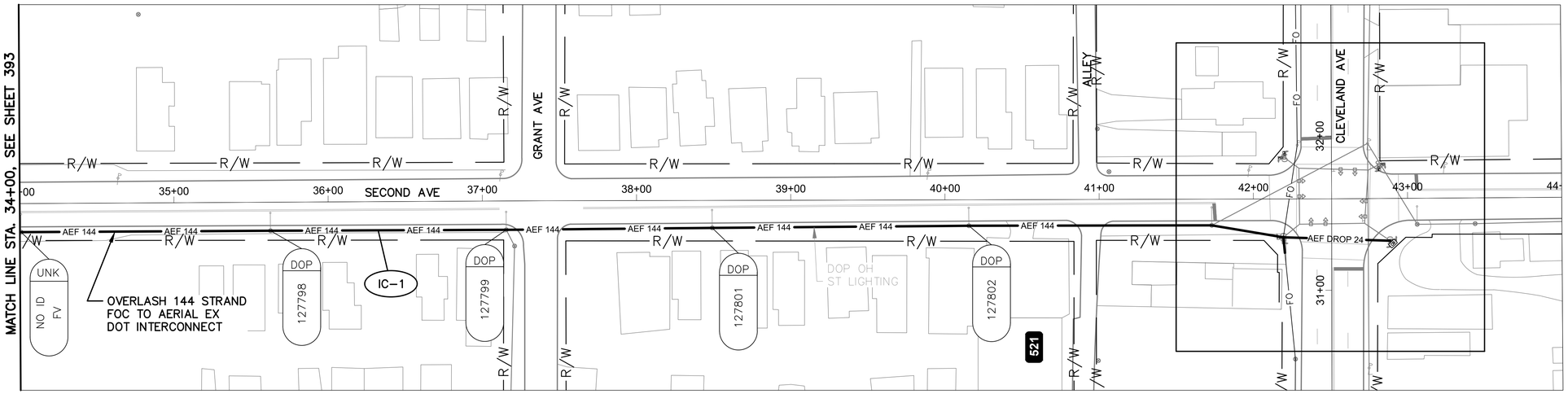
INTERCONNECT PLAN
SECOND AVE BETWEEN STA. 23+00 AND 34+00

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

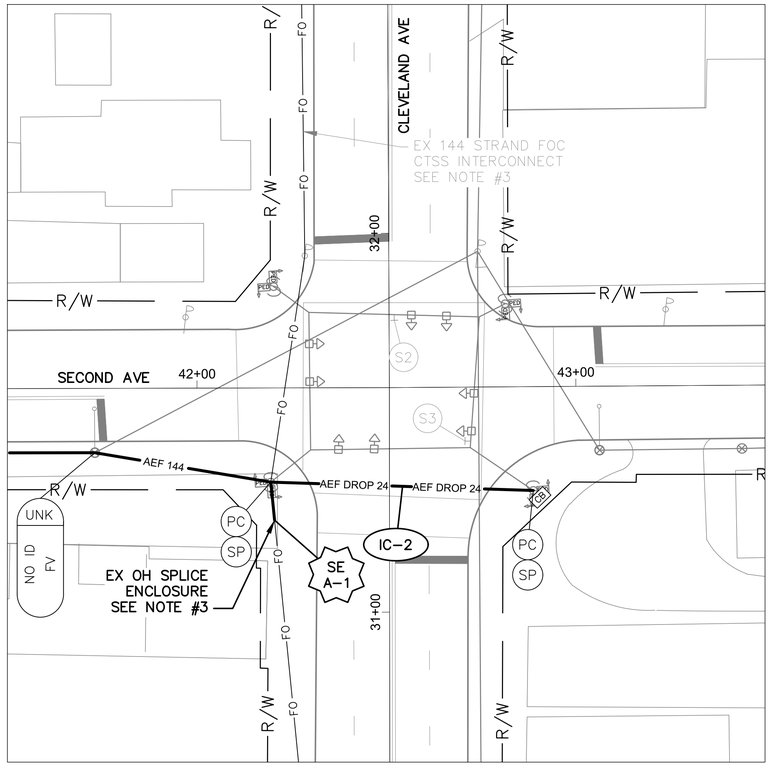
393
1000

3150-E

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk4_SECOND_INTERCONNECT.dwg - SECOND-1B layout ~ last saved by: jbeans 10/11/2018 11:14am ~ printed 03/19/2020 01:38pm



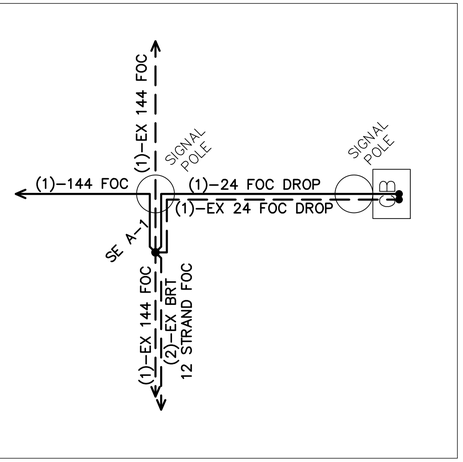
SECOND AVE BETWEEN STATION 34+00 AND 44+00



DETAIL - INT 3010

0 20 40

HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 3010

NOT TO SCALE

NOTES:

1. SEE SHEET 395 FOR QUANTITIES.
2. SEE SHEETS 675 & 820 FOR COMMUNICATION DETAILS.
3. SPLICE TO COTA BRT (3163-E) PROJECT INSTALLED 144 STRAND FOC AND FOC ENCLOSURE.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
SECOND AVE BETWEEN STA. 34+00 AND 44+00, INT 3010

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

394
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND (FT)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE (EACH)	632 INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT (FT)	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT (FT)	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE (EACH)	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE (EACH)	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE (EACH)	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN (FT)	632 SIGNALIZATION, MISC.: AERIAL STANDOFF, ATTACHED TO BRIDGE (EACH)	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE (EACH)	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH (EACH)	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN (EACH)
SECOND AVE. BETWEEN STA. 1+25 AND 12+00, INT 3183																	
391	IC-1	SECOND AVE	1+25, 18' RT	10+02, 19' RT	890			877				890					
391	TC-1	SECOND AVE	9+97, 25' RT											2	1	1	
391	IC-3	SECOND AVE	9+97, 25' RT	10+02, 19' RT						1		8					
391	SE A-1	SECOND AVE	10+02, 19' RT		150	24			1								
391	IC-2	SECOND AVE	10+02, 19' RT	12+00, 18' RT	201			198				201					
SECOND AVE. BETWEEN STA. 12+00 AND 23+00																	
392	IC-1	SECOND AVE	12+00, 18' RT	23+00, 18' RT	1,117			1,100				1,117					
392	IC-2	SECOND AVE	17+08, 18' RT		150												
SECOND AVE. BETWEEN STA. 23+00 AND 34+00																	
393	IC-1	SECOND AVE	23+ [illegible] 18' RT	[illegible]+00, 18' RT	1,117			1,100				1,117	2				
393	IC-2	SECOND AVE	27+ [illegible] 17' RT		[illegible]0												
393	IC-3	SECOND AVE	30+77, 17' RT		150												
SECOND AVE. BETWEEN STA. 34+00 AND 44+00, INT 3010																	
394	IC-1	SECOND AVE	34+ [illegible]0, 18' RT	42+19, 24' RT	[illegible]31			819				83					
394	SE A-1	SECOND AVE	42+ [illegible]9, 25' RT		[illegible]50	[illegible]56											
394	IC-2	SECOND AVE	42+ [illegible] RT	42+90, 28' RT							1						
SHEET TOTAL					4,906	60	70	4,094	1	1	1	4,164	2	2	1	1	

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

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

3150-E

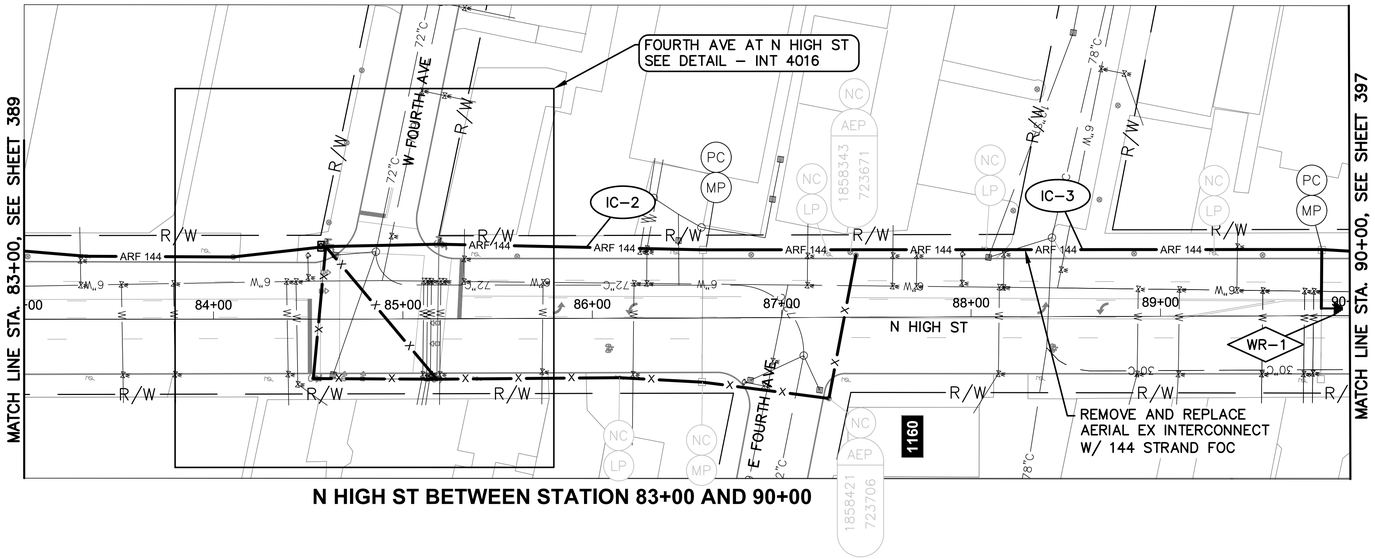
CIP: 540007–100006
PID NUMBER: 82573

SECOND AVE BETWEEN STA. 1+25 & 44+00
INTS 3183, 3010

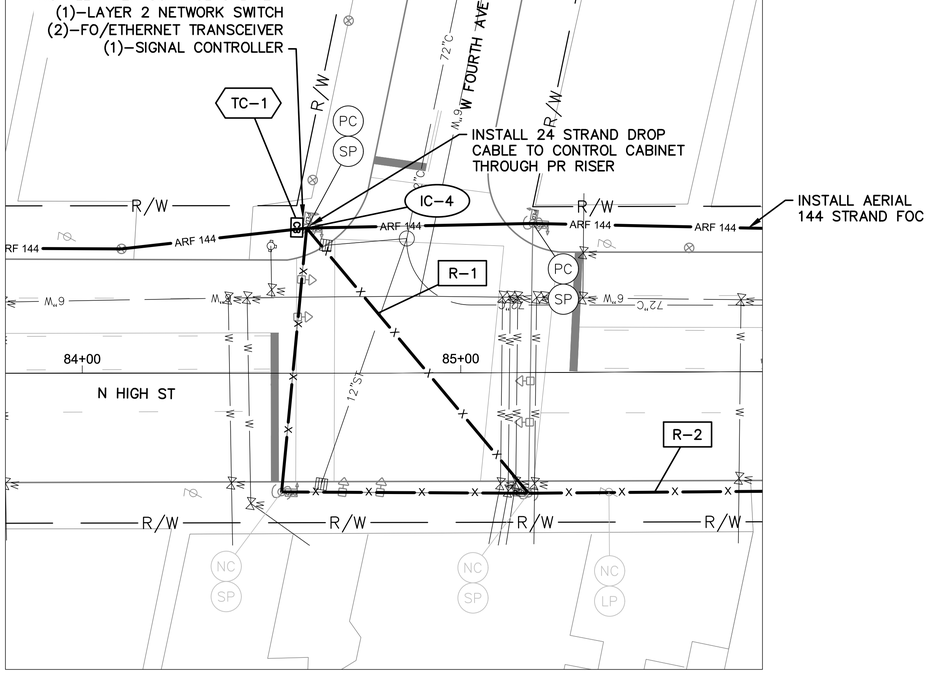
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

395
1000

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N HIGH ST BETWEEN STATION 83+00 AND 90+00



DETAIL - INT 4016

0 20 40

HORIZONTAL SCALE IN FEET

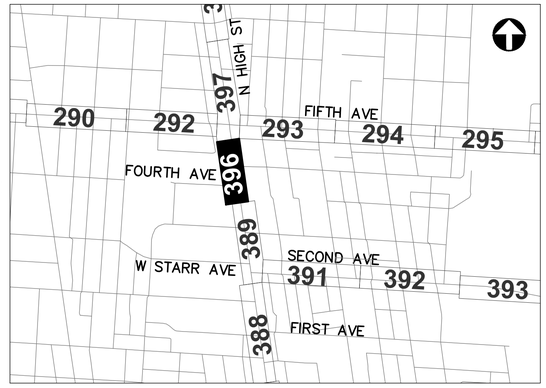
NOTES:

1. SEE SHEET 400 FOR QUANTITIES.
2. SEE SHEETS 674 & 695 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.
4. USE EXISTING AERIAL ATTACHMENTS ON ARCHES OVER HIGH STREET.
5. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL SCALE IN FEET

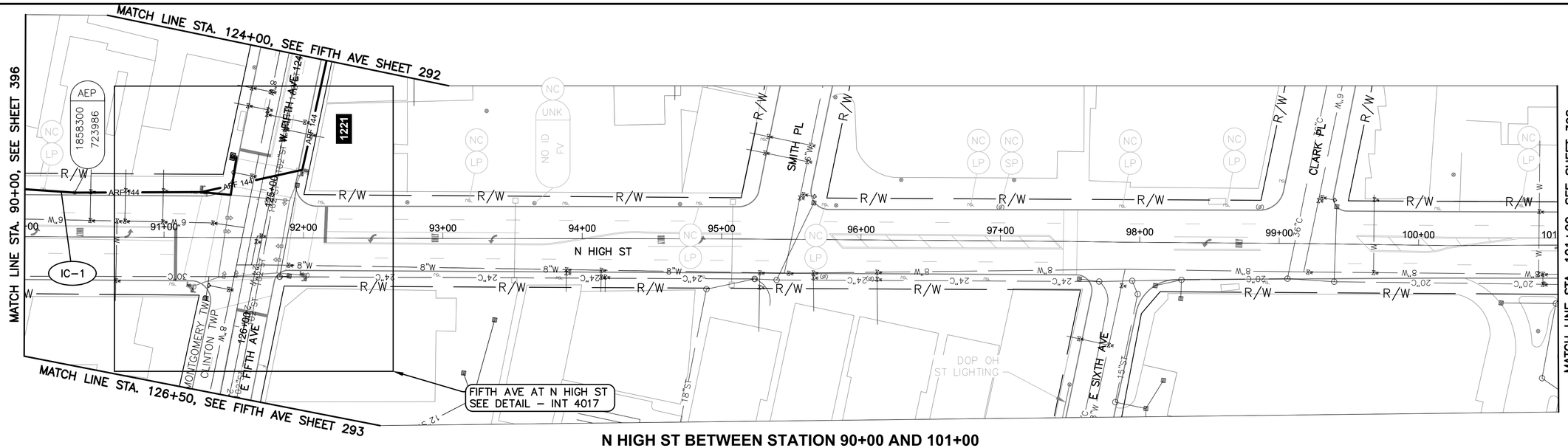
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 83+00 AND 90+00, INT 4016

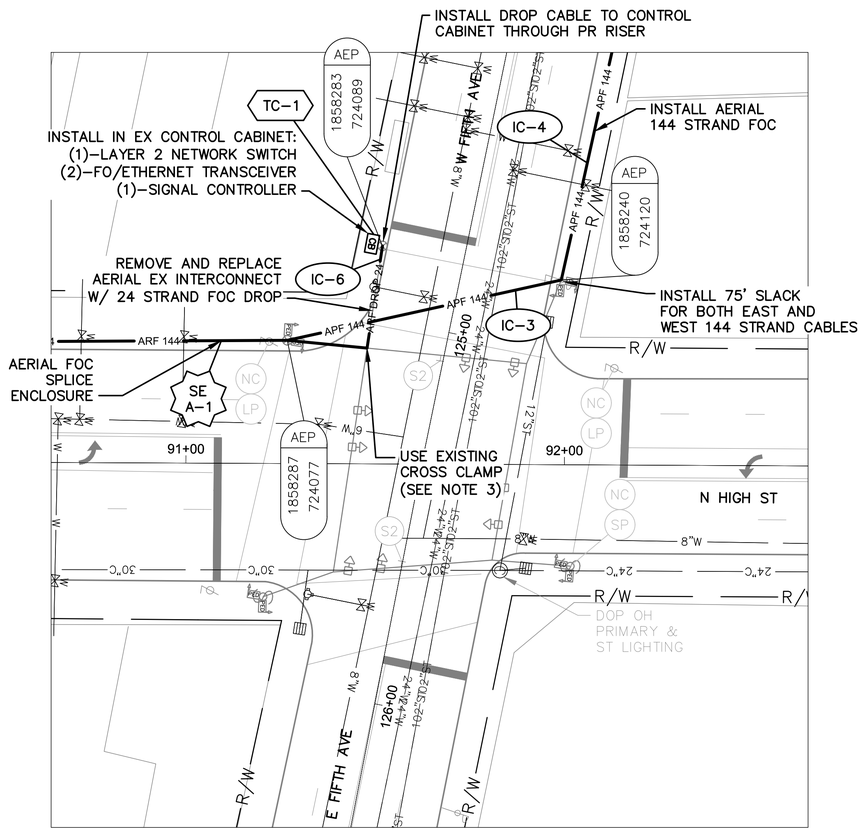
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

396
1000

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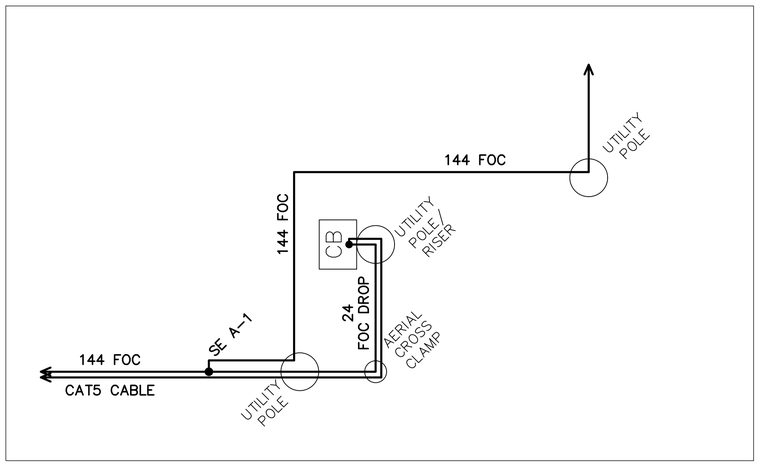


N HIGH ST BETWEEN STATION 90+00 AND 101+00



DETAIL - INT 4017

0 20 40
HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 4017
NOT TO SCALE

NOTES:

1. SEE SHEET 400 FOR QUANTITIES.
2. SEE SHEETS 674 & 696 FOR COMMUNICATION DETAILS.
3. REUSE EX MESSENGER CABLE AT INTERSECTION.
4. FOR THE SPLICE ENCLOSURE AT INT 4017, PROVIDE 75' OF SLACK FROM ALL FOUR DIRECTIONS FOR THE 300' TOTAL.
5. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.
6. USE EXISTING ATTACHMENTS FOR ARCHES ABOVE HIGH STREET.
7. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

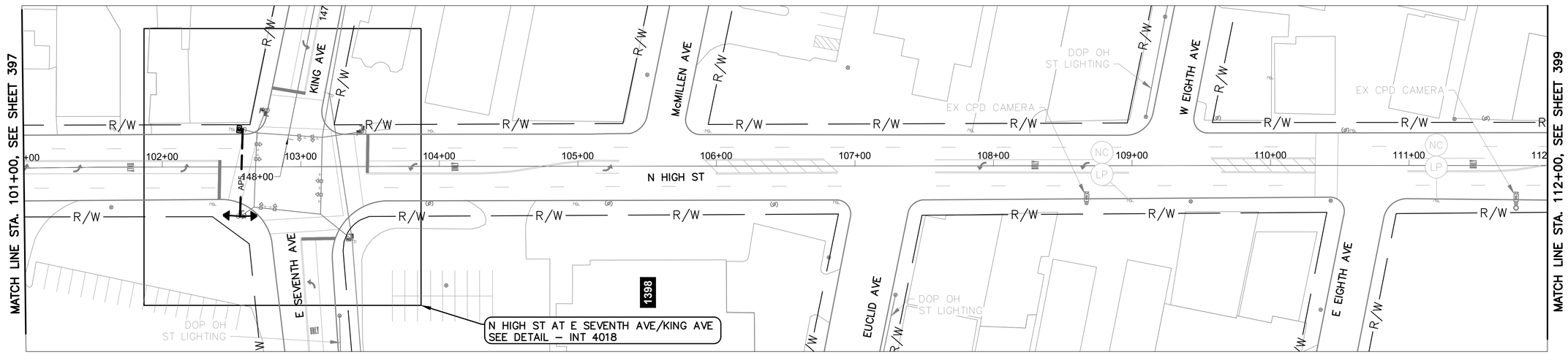
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 90+00 AND 101+00, INT 4017

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

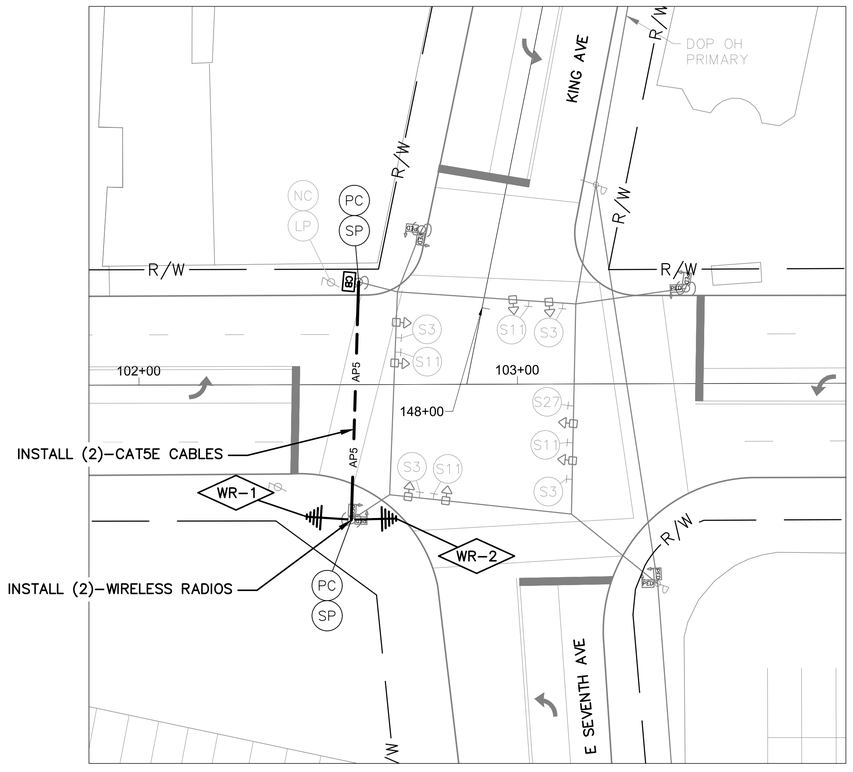
397
1000

3150-E

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N HIGH ST BETWEEN STATION 101+00 AND 112+00



DETAIL - INT 4018

0 20 40

HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 400 FOR QUANTITIES.
2. SEE SHEETS 674 & 698 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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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL SCALE IN FEET

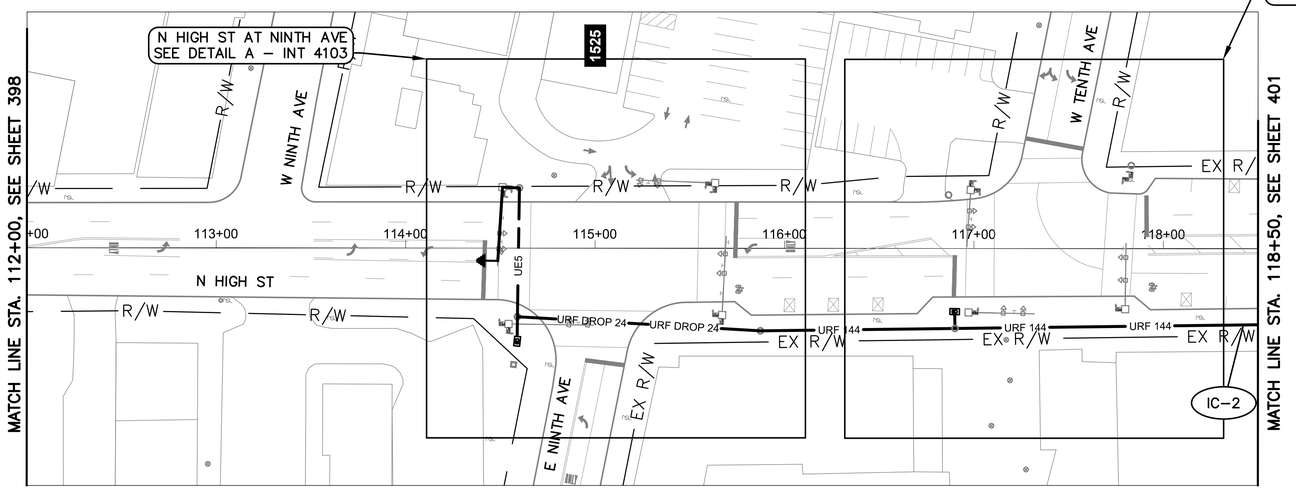
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PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 101+00 AND 112+00, INT 4018

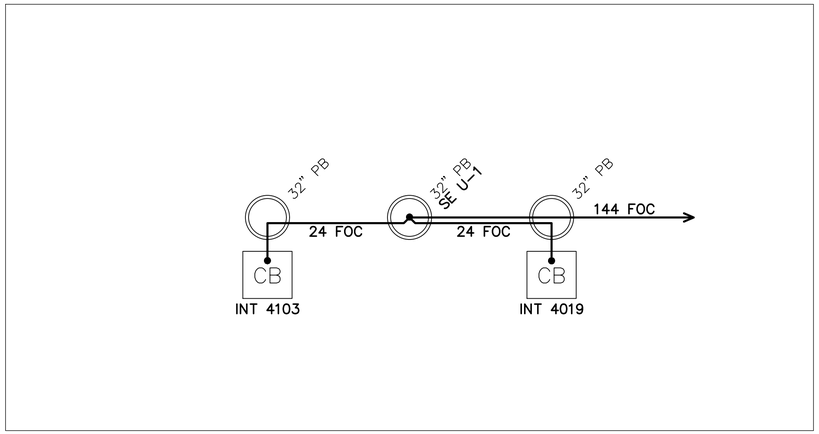
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

398
1000

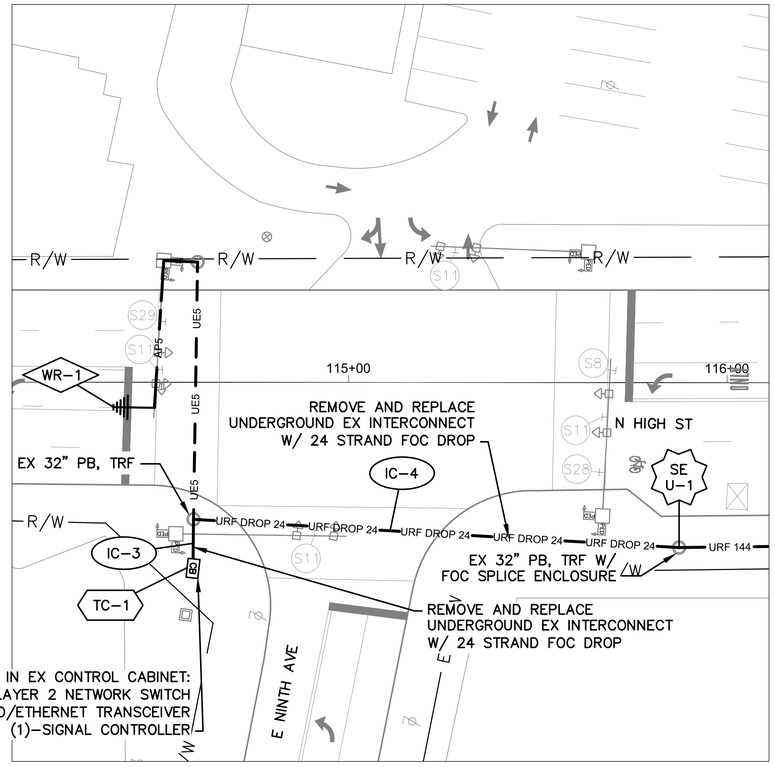
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N HIGH ST BETWEEN STATION 112+00 AND 118+50

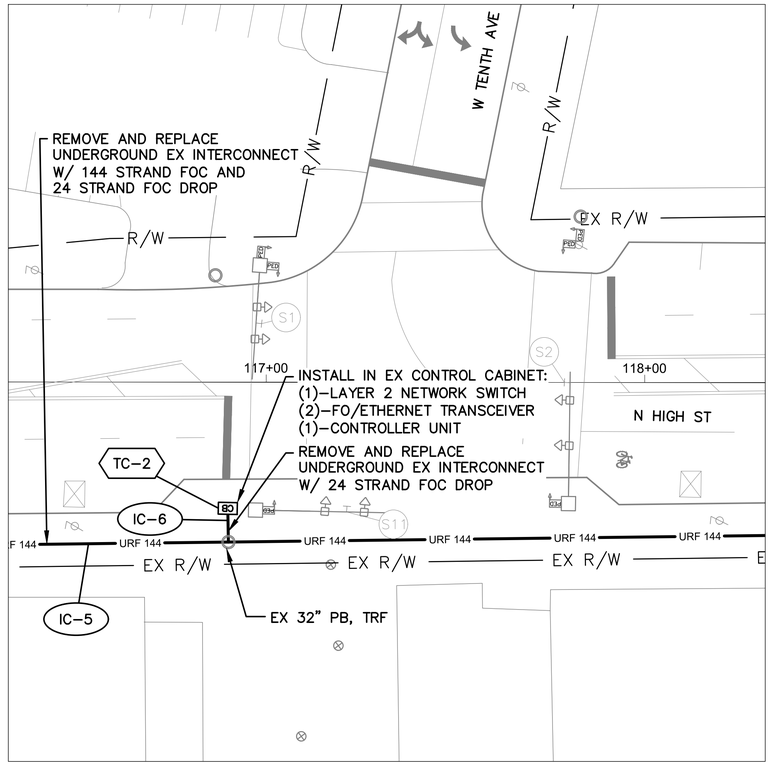


CABLE SCHEMATIC - INT 4103 & INT 4019
NOT TO SCALE



DETAIL A - INT 4103

0 20 40
HORIZONTAL SCALE IN FEET



DETAIL B - INT 4019

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 400 FOR QUANTITIES.
2. SEE SHEETS 674, 699 & 700 FOR COMMUNICATION DETAILS.
3. SIGNAL MAINTENANCE AGREEMENT IN PLACE BETWEEN CITY OF COLUMBUS AND TACO BELL FOR MAINTENANCE OF TRAFFIC SIGNAL AT INT 4103.

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 112+00 AND 118+50, INTS 4103 & 4019

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

399
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	632	632	632	632	632	633	633	633								
					EXISTING CONDUIT CLEANED, AS PER PLAN	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.: SPLICE ENCLOSURE, DOME, 800 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							
			FROM	TO	FT	EACH	FT	EACH	FT	EACH	EACH	EACH	EACH	FT	EACH	EACH	EACH							
N HIGH ST. BETWEEN STA. 83+00 AND 90+00, INT 4016																									
396	IC-1	N HIGH ST	83+00, 36' LT	84+49, 38' LT			152		150					152											
396	SE A-1	N HIGH ST	84+49, 38' LT				150	24		1															
396	IC-4	N HIGH ST	84+49, 38' LT	84+59, 38' LT								1													
396	TC-1	N HIGH ST	84+59, 38' LT			1									2	1	1								
396	IC-2	N HIGH ST	84+49, 38' LT	87+39, 33' LT			295							295											
396	R-1	N HIGH ST	84+59, 38' LT	85+17, 32' RT					91																
396	R-2	N HIGH ST	84+59, 38' LT	87+39, 33' LT					420																
396	IC-3	N HIGH ST	87+39, 33' LT	90+00, 34' LT			265		261					265											
N HIGH ST. BETWEEN STA. 90+00 AND 101+00, INT 4017																									
397	IC-1	N HIGH ST	90+00, 34' LT	91+26, 33' LT			129		127					129											
397	SE A-1	N HIGH ST	[illegible]				300		112																
397	IC-2	N HIGH ST	[illegible]	[illegible]			[illegible]		97																
397	IC-3	N HIGH ST	[illegible]	[illegible]			[illegible]		[illegible]																
397	IC-4	FIFTH AVE	124+00+25' LT	124+80, 26' LT			81							81											
397	IC-5	FIFTH AVE	124+80, 26' LT	126+50, 28' LT			173							173											
397	IC-6	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]			2													
397	TC-1	[illegible]	[illegible]	[illegible]		1																			
N HIGH ST. BETWEEN STA. 101+00 AND 112+00, INT 4018																									
398	IC-1	N HIGH ST	101+00, 27' LT	102+48, 27' LT			150		148					150											
398	SE A-1	N HIGH ST	102+48, 27' LT				150	24		1															
398	IC-7	N HIGH ST	[illegible]	102+[illegible], 27'								1													
398	TC-1	N HIGH ST	[illegible]	[illegible]		1									2		1								
398	IC-2	N HIGH ST	[illegible]	111+[illegible], 27'			[illegible]		95					966											
398	IC-3	N HIGH ST	104+00, 27' RT				150																		
398	IC-4	N HIGH ST	111+77, 27' RT				35																		
398	IC	N HIGH ST	111+[illegible], 27' RT	112+00			[illegible]																		
398	IC	N HIGH ST	111+77, 27' RT				100																		
N HIGH ST. BETWEEN STA. 112+00 AND 118+50, INTS 4103 & 4019																									
399	IC-1	N HIGH ST	112+00, 30' RT	115+87, 44' RT	388		388																		
399	TC-1	N HIGH ST	114+58, 49' RT												2	1	1								
399	IC-3	N HIGH ST	114+58, 49' RT	114+59, 36' RT																					
399	IC-4	N HIGH ST	114+58, 49' RT	[illegible], 44' RT									1												
399	SE U-1	N HIGH ST	[illegible], 44' RT																						
399	IC-2	N HIGH ST	115+87, 44' RT	118+50, 40' RT	262		262																		
399	IC-5	N HIGH ST	115+87, 44' RT	116+89, 33' RT								1													
399	IC-6	N HIGH ST	116+89, 33' RT	116+90, 42' RT	14																				
399	TC-2	N HIGH ST	116+89, 33' RT												2	1	1								
SHEET TOTAL					708	3	5,060	396	3,171	3	1	5	1	3,274	10	5	5	-	-	-	-	-	-	-	

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

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

3150-E

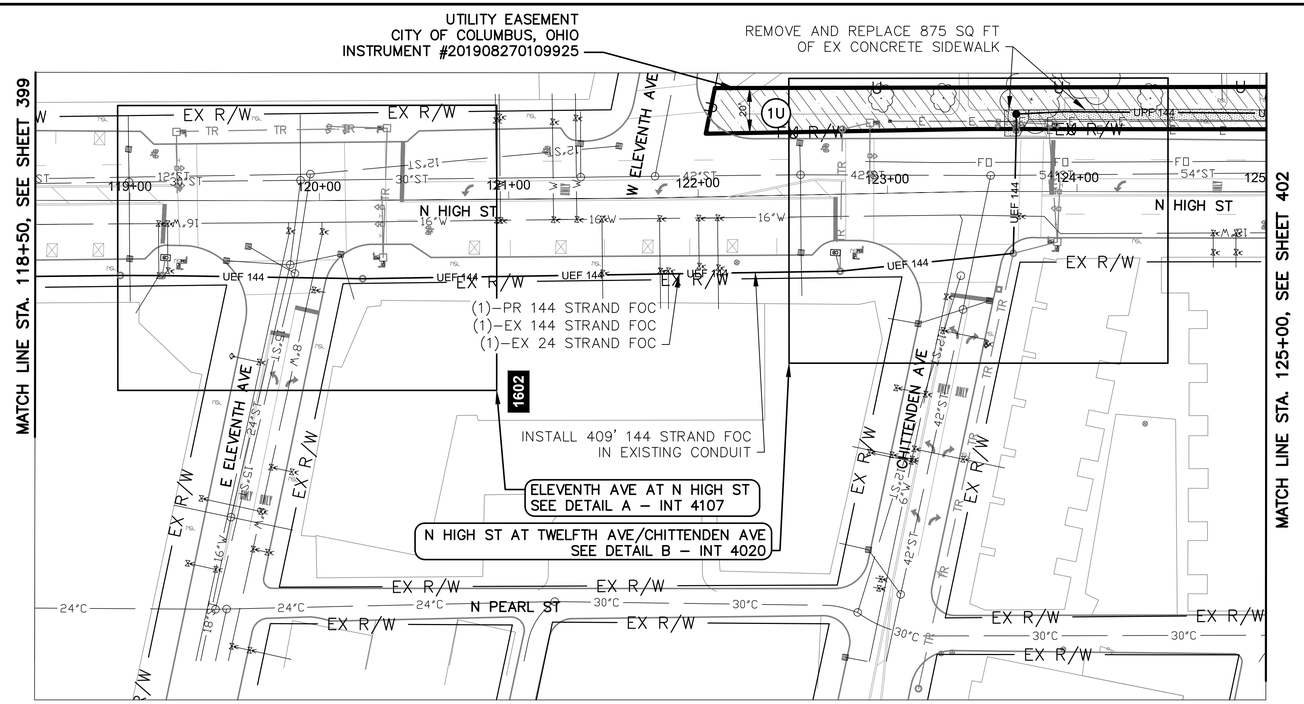
CIP: 540007–100006
PID NUMBER: 82573

HIGH ST BETWEEN STA. 83+00 & 118+50
INTS 4016, 4017, 4018, 4019, 4103

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

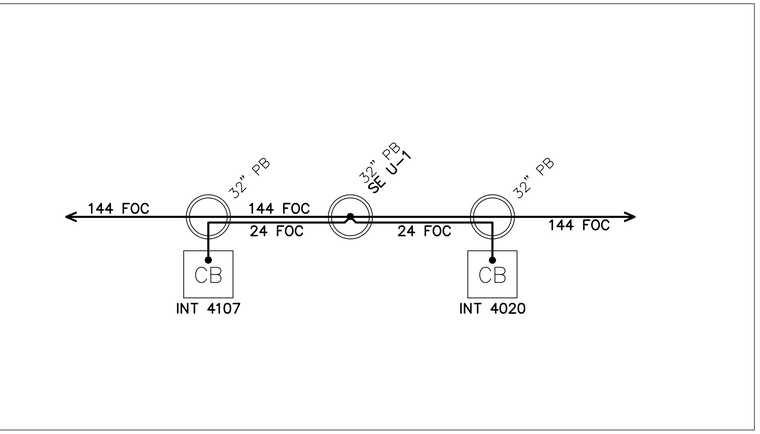
400
1000

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N HIGH ST BETWEEN STATION 118+50 AND 125+00

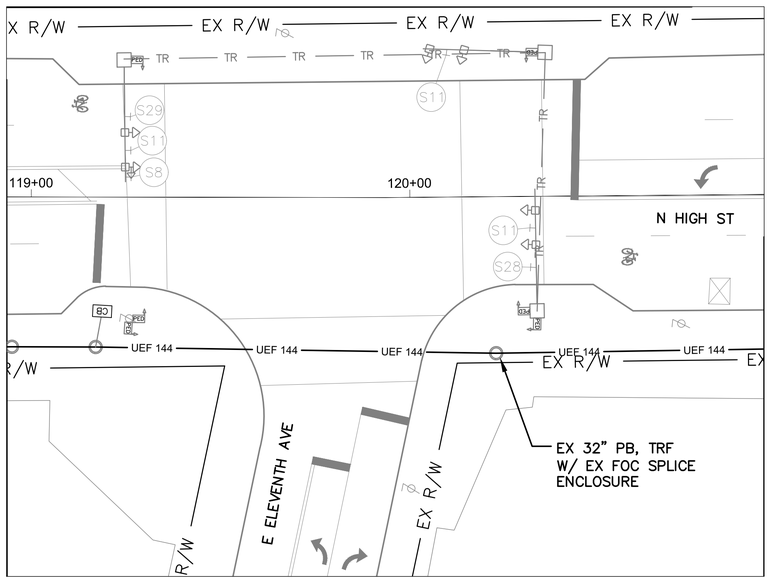
SHEET #	UTILITY CROSSING ID#	STATION	UTILITY TYPE/SIZE	TOP OF EXISTING UTILITY	EXISTING GROUND ELEVATION	BOTTOM OF PROPOSED ELEVATION	VERTICAL SEPARTION FEET	UTILITY REFERENCE PLAN OR OWNER
401	1	123+70, 37' LT	LIGHTING	-	751.9 LEVB	748.9	-	LOCATED BY SURVEY



CABLE SCHEMATIC - INT 4107 & INT 4020
NOT TO SCALE

NOTES:

1. SEE SHEETS 405 & 406 FOR QUANTITIES.
2. SEE SHEETS 674, 701 & 702 FOR COMMUNICATION DETAILS.
3. CONTRACTOR TO CONTACT COC TEMPORARY TRAFFIC CONTROL COORDINATOR PRIOR TO WORK.



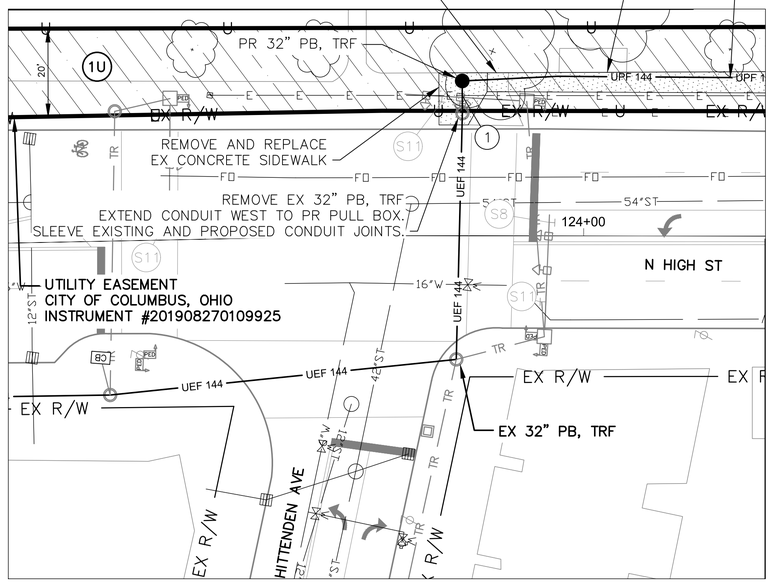
DETAIL A - INT 4107

0 20 40
HORIZONTAL
SCALE IN FEET

TRENCH AND INSTALL (4)–3" CONDUITS & (1)–1.5" CONDUIT W/ TRACING ENCASED THROUGH EX SIDEWALK
INSTALL 137' 144 STRAND FOC

REMOVE AND REPLACE CURB RAMP LANDING, REPLACE WITH ACCEPTABLE LANDING PER ADA REQUIREMENTS

REMOVE AND REPLACE PAVERS IN FRONT OF COTA BUS STOP, MATCH EXISTING CONDITION IF UNABLE TO REUSE



DETAIL B - INT 4020

0 20 40
HORIZONTAL
SCALE IN FEET

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- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

REVISION 5-17-2019
3150-E

0 40 80
HORIZONTAL SCALE IN FEET

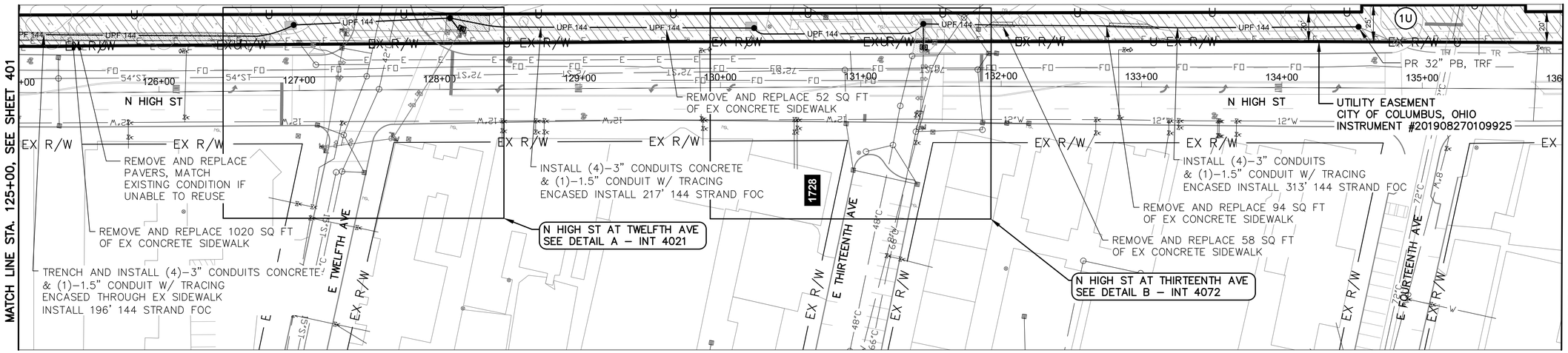
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 118+50 AND 125+00, INTS 4107 & 4020

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

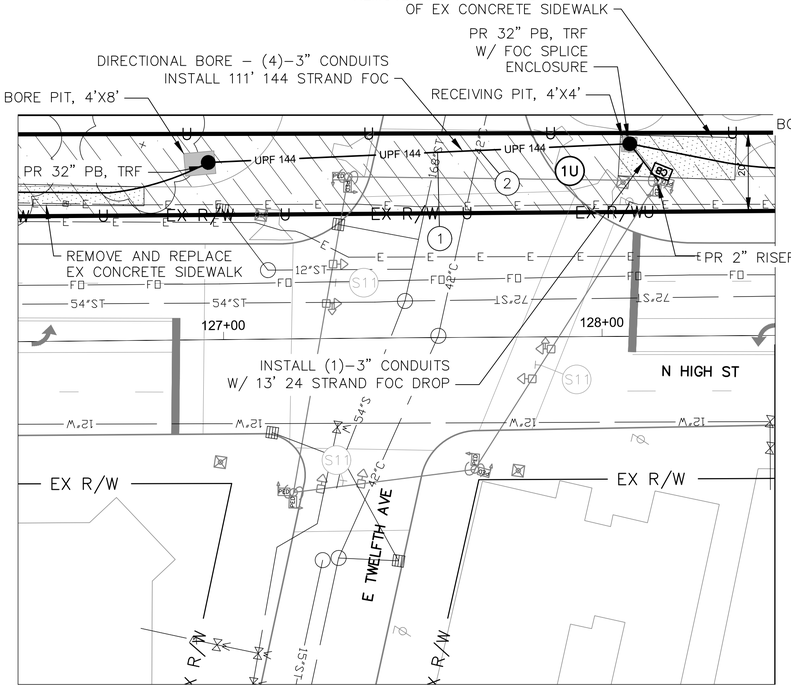
401
1000

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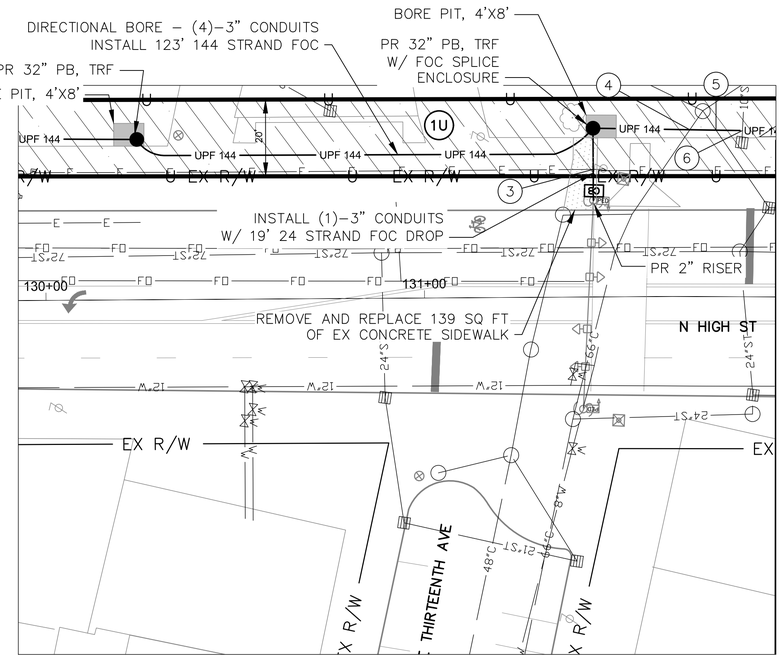
N HIGH ST BETWEEN STATION 125+00 AND 136+00

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
402	1	127+57, 49' LT	168" STORM	740.0	S	748.1	LEVB	745.1	5.1	LOCATED BY SURVEY
402	2	127+68, 50' LT	42" COMBINED	735.3	LEVB	748.0	LEVB	745.0	9.7	LOCATED BY SURVEY
402	3	131+44, 34' LT	LIGHTING	-		744.4	LEVB	741.4	-	LOCATED BY SURVEY
402	4	131+64, 44' LT	66" COMBINED	736.4	S	744.4	LEVB	741.4	5.0	LOCATED BY SURVEY
402	5	131+67, 44' LT	24" STORM	731.9	LEVB	744.4	LEVB	741.4	9.5	LOCATED BY SURVEY
402	6	131+86, 44' LT	10" STORM	743.1	S	744.3	LEVB	741.3	-1.8	LOCATED BY SURVEY



DETAIL A - INT 4021

HORIZONTAL SCALE IN FEET



DETAIL B - INT 4072

HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEETS 405 & 406 FOR QUANTITIES.
2. SEE SHEETS 674, 703 & 704 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 UTILITY LEGEND

- [X] SEWER
- [ ] WATER
- [ ] POWER
- [X] LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

REVISION 5-17-2019
3150-E

HORIZONTAL SCALE IN FEET
0 40 80

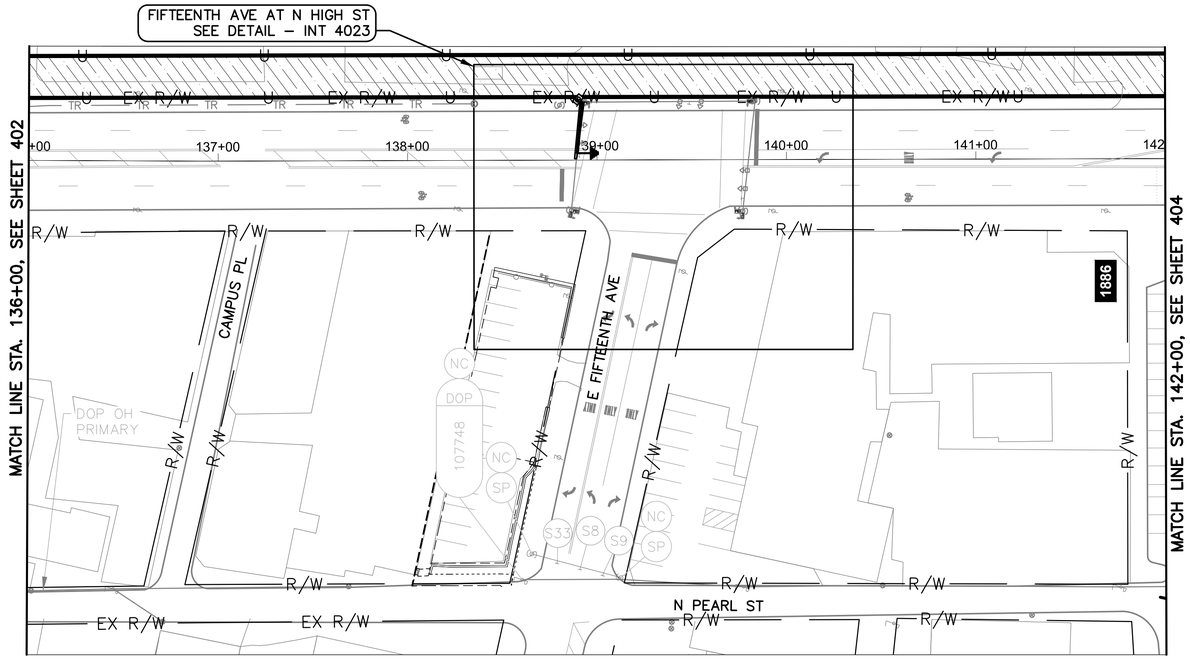
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 125+00 AND 136+00, INTS 4021 & 4072

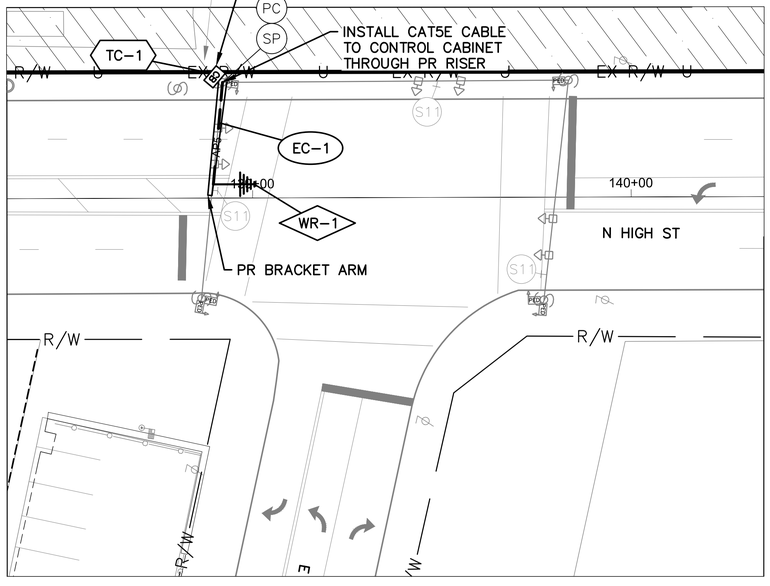
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

402
1000

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N HIGH ST BETWEEN STATION 136+00 AND 142+00



DETAIL - INT 4022

0 20 40

HORIZONTAL SCALE IN FEET

INT 4022 WITH PROPOSED SIGNAL CONTROLLER → PROPOSED WIRELESS SEE SHEET 404 INT 4023 – HIGH ST AT SEVENTEENTH AVE

NOTES:

1. SEE SHEETS 405 & 406 FOR QUANTITIES.
2. SEE SHEETS 674 & 705 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.

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- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

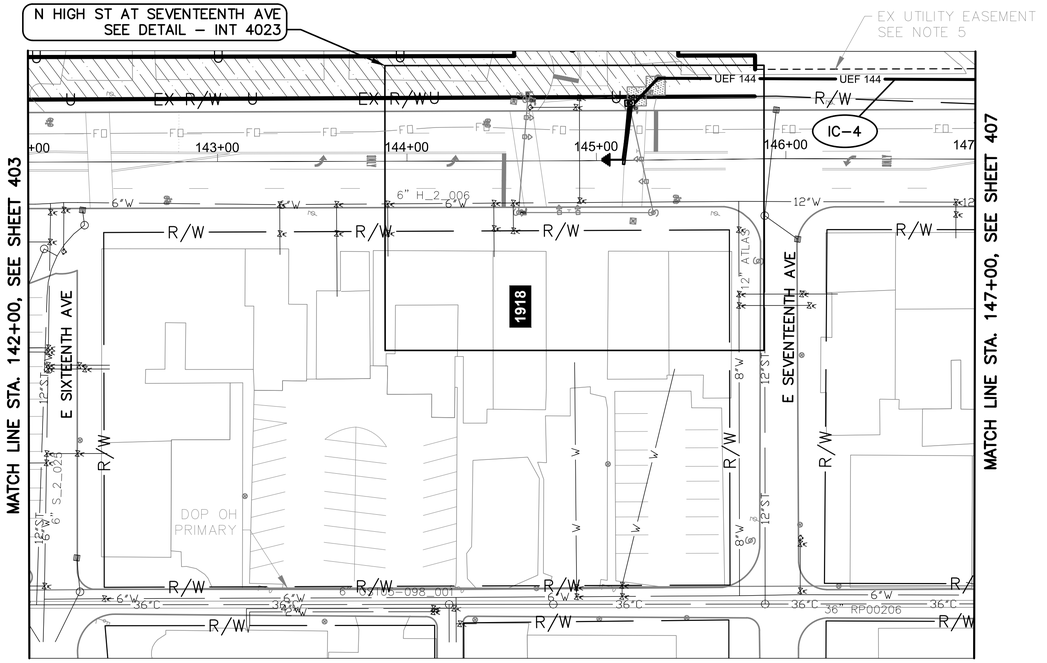
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 136+00 AND 142+00, INT 4022

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

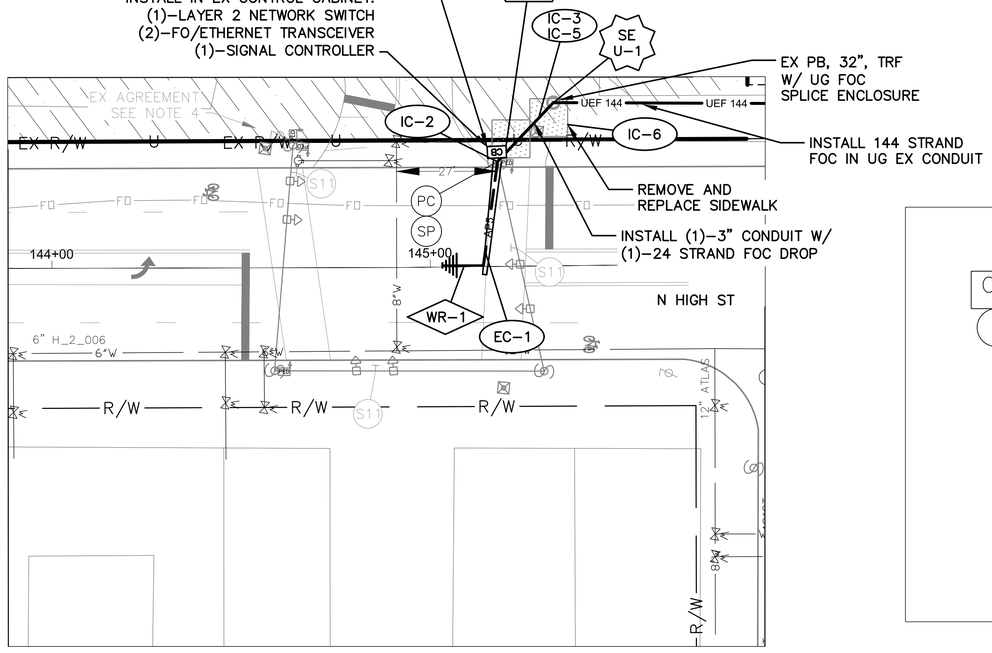
403
1000

3150-E

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N HIGH ST BETWEEN STATION 142+00 AND 147+00

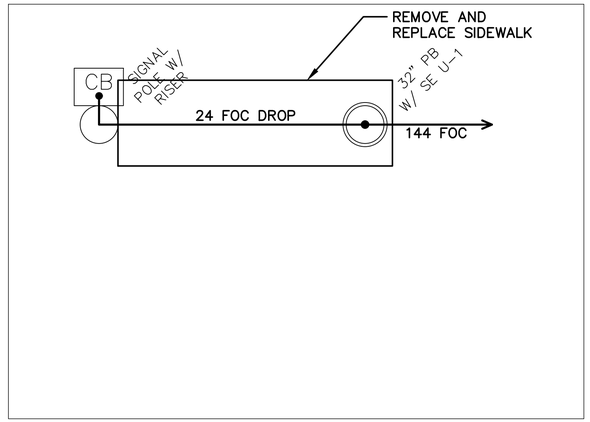


DETAIL - INT 4023

0 20 40
HORIZONTAL SCALE IN FEET

PROPOSED WIRELESS
SEE SHEET 403
INT 4022 – FIFTEENTH AVE AT HIGH ST

INT 4023 WITH PROPOSED SIGNAL CONTROLLER



CABLE SCHEMATIC - INT 4023
NOT TO SCALE

NOTES:

1. SEE SHEETS 405 & 406 FOR QUANTITIES.
2. SEE SHEETS 674 & 706 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. 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.
5. EXISTING OSU EASEMENT #201410080133496.

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REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 142+00 AND 147+00, INT 4023

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

404
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN FT	202 WALK REMOVED SF	608 8" CONCRETE WALK SF	625 BRACKET ARM, 30', AS PER PLAN EACH	625 CONDUIT, 3", AS PER PLAN FT	625 TRENCH, 36" DEEP, AS PER PLAN FT	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 450FT DROP CABLE EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	632 SIGNALIZATION, MISC.: CAT 5E CABLE, OUTDOOR RATED FT	632 SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE FT	632 SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM EACH	632 SPREAD SPECTRUM RADIO, AS PER PLAN EACH
N HIGH ST. BETWEEN STA. 118+50 AND 125+00, INTS 4107 & 4020																									
401	IC-1	N HIGH ST	118+50, 40' RT	120+22, 45' RT	172							172													
401	IC-7	N HIGH ST	119+17, 40' RT	119+18, 30' RT	15																				
401	IC-6	N HIGH ST	119+18, 30' RT	120+22, 45' RT															1						
401	TC-1	N HIGH ST	119+18, 30' RT																						
401	SE U-1	N HIGH ST	120+22, 45' RT									150		36		1									
401	IC-2	N HIGH ST	120+22, 45' RT	123+23, 245' RT	600							600													
401	IC-8	N HIGH ST	120+22, 45' RT	122+73, 45' RT	252																				
401	IC-9	N HIGH ST	122+71, 31' RT	122+73, 45' RT	20																1				
401	TC-2	N HIGH ST	122+71, 31' RT																						
401	IC-3	N HIGH ST	123+13, 264' RT									100													
401	IC-4	N HIGH ST	123+23, 245' RT								1	35													
401	IC-5	N HIGH ST	123+23, 245' RT	125+00, 243' RT								175										175			
N HIGH ST. BETWEEN STA. 125+00 AND 136+00, INTS 4021 & 4072																									
402	IC-1	N HIGH ST	125+00, 243' RT	126+22, 242' RT								127			125							127			
402	IC-4	N HIGH ST	126+22, 242' RT	127+18, 41' RT									244		240							244			
402	SE A-1	N HIGH ST	126+22, 242' RT									150	75	24		1									
402	IC-2	N HIGH ST	126+22, 242' RT	130+02, 245' RT								38			380							38			
402	SE A-2	N HIGH ST	127+18, 41' RT										75	24		1									
402	IC-5	N HIGH ST	127+18, 41' RT	128+15, 42' RT											168						1	168			
402	CTV-1	N HIGH ST	127+45, 14' RT																					1	
402	EC-3	N HIGH ST	127+45, 14' RT	127+66, 35' RT																			30		
402	EC-1	N HIGH ST	127+45, 14' RT	128+42, 42' LT																		92	92		
402	EC-2	N HIGH ST	127+66, 35' RT																						
402	TC-1	N HIGH ST	127+66, 35' RT	128+42, 42' LT							1												45		
402	SE A-3	N HIGH ST	130+02, 245' RT									150	75	24		1									
402	IC-6	N HIGH ST	130+02, 245' RT	131+42, 30' RT									274		270							274			
402	IC-3	N HIGH ST	130+02, 245' RT	136+00, 245' RT								608			599							608			
402	SE A-4	N HIGH ST	131+42, 30' RT										75	24		1									
402	IC-7	N HIGH ST	131+42, 30' RT	131+42, 28' LT											58							58			
402	TC-2	N HIGH ST	131+42, 30' RT								1														
N HIGH ST. BETWEEN STA. 136+00 AND 142+00, INT 4022																									
403	IC-1	N HIGH ST	136+00, 245' RT	138+00, 30' RT								6			611							620			
403	WR-1	N HIGH ST	138+90, 31' LT																						1
403	EC-1	N HIGH ST	138+90, 31' LT	138+92, 31' LT																			30		
403	TC-1	N HIGH ST	138+92, 31' LT					1															45		
N HIGH ST. BETWEEN STA. 142+00 AND 147+00, INT 4023																									
404	IC-1	N HIGH ST	142+00, 230' RT	145+20, 31' LT								714			704							714			
404	WR-1	N HIGH ST	145+16, 3' LT																						1
404	EC-1	N HIGH ST	145+16, 3' LT	145+20, 31' LT																			30		
404	TC-1	N HIGH ST	145+20, 31' LT					1															45		
404	IC-2	N HIGH ST	145+20, 31' LT								1	35													
404	IC-3	N HIGH ST	145+20, 31' LT	145+34, 43' LT					18	18		18													
404	IC-5	N HIGH ST	145+20, 31' LT	145+34, 43' LT														1							
404	IC-6	N HIGH ST	145+21, 32' LT	145+41, 37' LT		200	200																		
404	SE U-1	N HIGH ST	145+34, 43' LT									150		24		1									
404	IC-4	N HIGH ST	145+34, 43' LT	147+00, 42' LT	166							166													
SHEET TOTAL					1,225	200	200	3	18	18	4	4,356	818	156	3,327	6	1	2	2	3,467	150	167	1	2

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.

CIP: 540007–100006
PID NUMBER: 82573

HIGH ST BETWEEN STA. 118+50 & 147+00
INTS 4107, 4020, 4021, 4072, 4022, 4023

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

405
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632	633	633	633																
					WOOD POLE, CLASS 5, 35 FT	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																
			FROM	TO	EACH	EACH	EACH	EACH																
N HIGH ST. BETWEEN STA. 118+50 AND 125+00, INTS 4107 & 4020																								
401	IC-1	N HIGH ST	118+50, 40' RT	120+22, 45' RT																				
401	IC-7	N HIGH ST	119+17, 40' RT	119+18, 30' RT																				
401	IC-6	N HIGH ST	119+18, 30' RT	120+22, 45' RT																				
401	TC-1	N HIGH ST	119+18, 30' RT			2	1	1																
401	SE U-1	N HIGH ST	120+22, 45' RT																					
401	IC-2	N HIGH ST	120+22, 45' RT	123+23, 245' RT																				
401	IC-8	N HIGH ST	120+22, 45' RT	122+73, 45' RT																				
401	IC-9	N HIGH ST	122+71, 31' RT	122+73, 45' RT																				
401	TC-2	N HIGH ST	122+71, 31' RT			2	1	1																
401	IC-3	N HIGH ST	123+13, 264' RT																					
401	IC-4	N HIGH ST	123+	245'																				
401	IC-5	N HIGH ST	123+	24 RT				12	243' RT															
N HIGH ST. BETWEEN STA. 125+00 AND 136+00, INTS 4021 & 4072																								
402	IC-1	N HIGH ST	125+00, 243' RT	126+22, 242' RT																				
402	IC-4	N	126	2, 242' RT				12	' RT															
402	SE A-1	N	126	2, 242' R																				
402	IC-2	N	126	2, 242' R				13	02, 245' R															
402	SE A-2	N HIGH ST	127+18, 41' RT																					
402	IC-5	N HIGH ST	127+18, 41' RT	128+15, 42' LT																				
402	CTV-1	N HIGH ST	127+45, 14' RT																					
402	EC-3	N HIGH ST	127	14' R				127+66,	' RT															
402	EC-1	N HIGH ST	127	15' R				128+15,	' LT															
402	EC-2	N HIGH ST	127	66, ' R																				
402	TC-1	N HIGH ST	128+15, 42' LT			2	1	1																
402	SE A-3	N HIGH ST	130+02, 245' RT																					
402	IC-6	N HIGH ST	130+02, 245' RT	131+42, 30' RT																				
402	IC-3	N HIGH ST	130+02, 245' R	131+00, 2 ' RT																				
402	SE A-4	N HIGH ST	131+42, 30' RT																					
402	IC-7	N HIGH ST	131+42, 30' RT	131+47, 28' LT																				
402	TC-2	N HIGH ST	131+47, 28' LT			2	1	1																
N HIGH ST. BETWEEN STA. 136+00 AND 142+00, INT 4022																								
403	IC-1	N HIGH ST	136+00, 245' RT	142+ , 30' RT																				
403	WR-1	N HIGH ST	13	LT																				
403	EC-1	N HIGH ST	138+90, 4' LT	138+92, 31' LT																				
403	TC-1	N HIGH ST	138+92, 31' LT				1	1																
N HIGH ST. BETWEEN STA. 142+00 AND 147+00, INT 4023																								
404	IC-1	N HIGH ST	142+00, 230' RT	145+20, 31' LT	1																			
404	WR-1	N HIGH ST	145+16, 3' LT																					
404	EC-1	N HIGH ST	145+16, 3' LT	145+20, 31' LT																				
404	TC-1	N HIGH ST	145+20, 31' LT			2	1	1																
404	IC-2	N HIGH ST	145+20, 31' LT																					
404	IC-3	N HIGH ST	145+20, 31' LT	145+34, 43' LT																				
404	IC-5	N HIGH ST	145+20, 31' LT	145+34, 43' LT																				
404	IC-6	N HIGH ST	145+21, 32' LT	145+41, 37' LT																				
404	SE U-1	N HIGH ST	145+34, 43' LT																					
404	IC-4	N HIGH ST	145+34, 43' LT	147+00, 42' LT																				
SHEET TOTAL					1	10	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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

3150-E

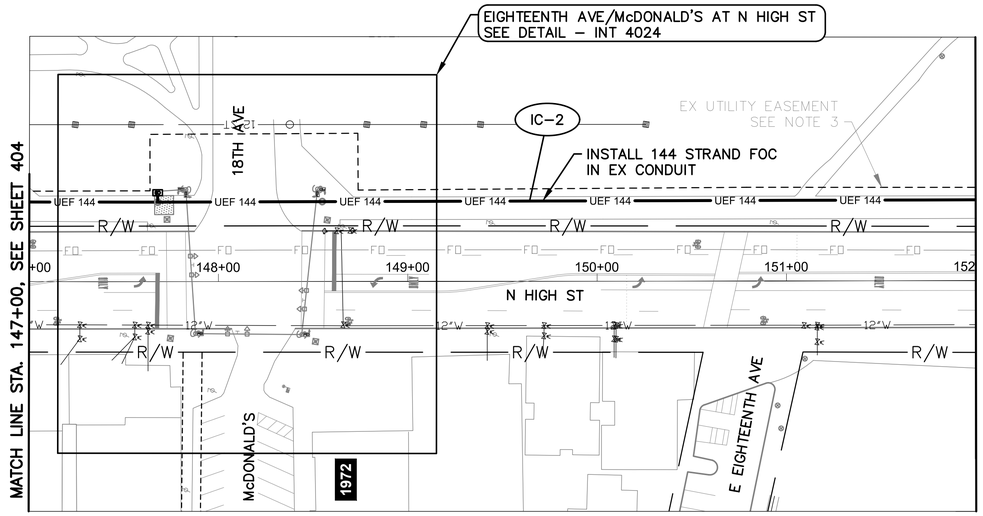
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PID NUMBER: 82573

HIGH ST BETWEEN STA. 118+50 & 147+00
INTS 4107, 4020, 4021, 4072, 4022, 4023

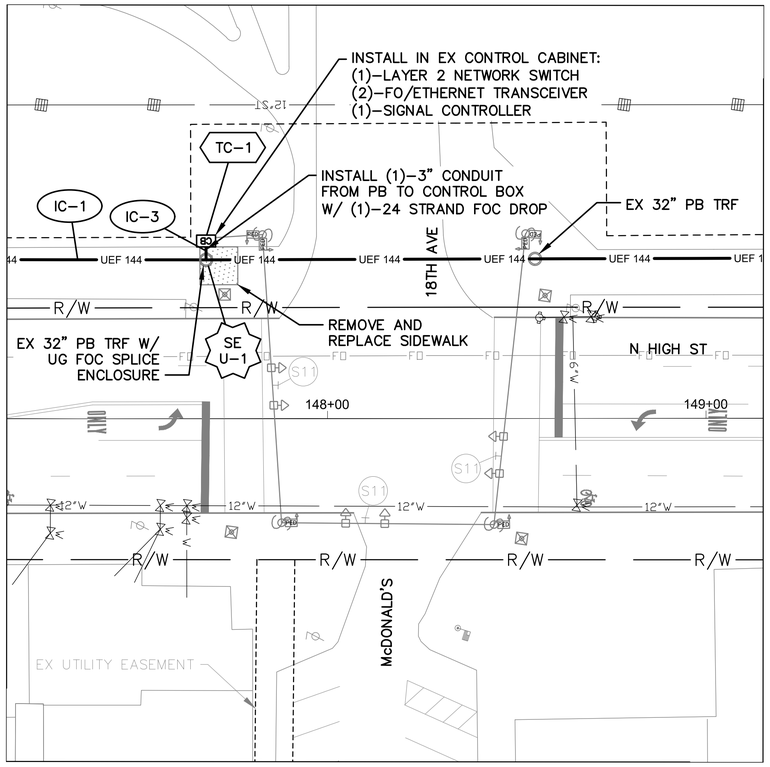
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

406
1000

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N HIGH ST BETWEEN STATION 147+00 AND 152+00



DETAIL - INT 4024

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEETS 412 & 413 FOR QUANTITIES.
2. SEE SHEETS 674 & 707 FOR COMMUNICATION DETAILS.
3. EXISTING OSU EASEMENT #201410080133496.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

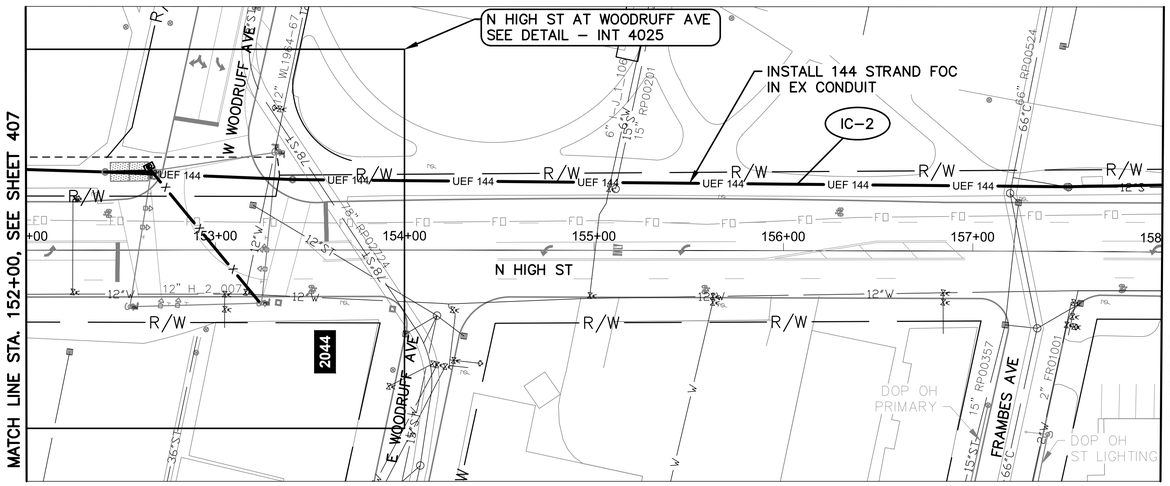
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PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 147+00 AND 152+00, INT 4024

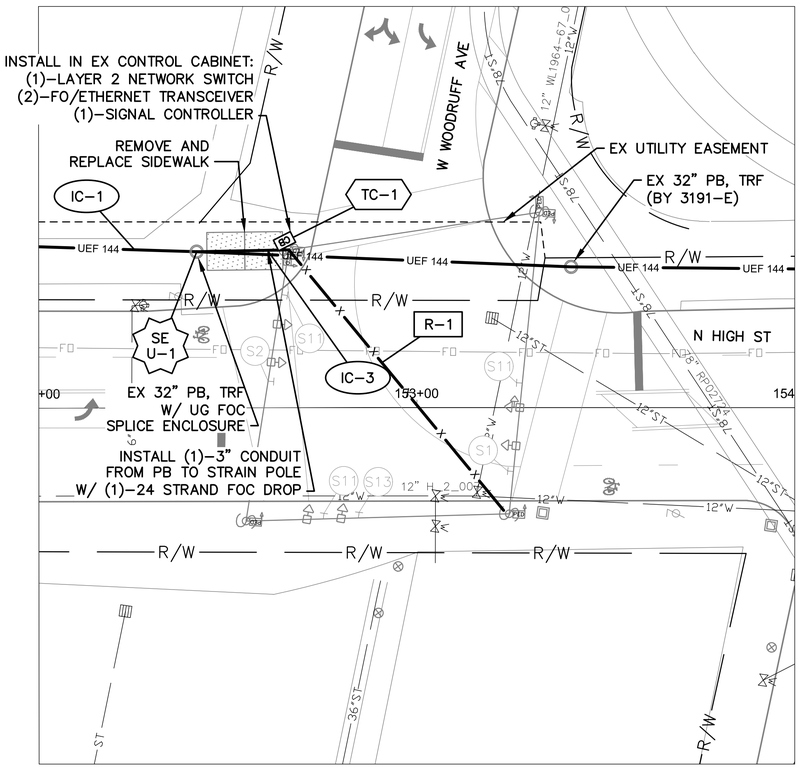
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

407
1000

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N HIGH ST BETWEEN STATION 152+00 AND 158+00



DETAIL - INT 4025

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEETS 412 & 413 FOR QUANTITIES.
2. SEE SHEETS 674 & 708 FOR COMMUNICATION DETAILS.
3. RESOLUTION NUMBER 0745–03, PASSED AUGUST 07, 2003 PROVIDES INGRESS/EGRESS TO OSU PROPERTY.

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CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80

HORIZONTAL
SCALE IN FEET

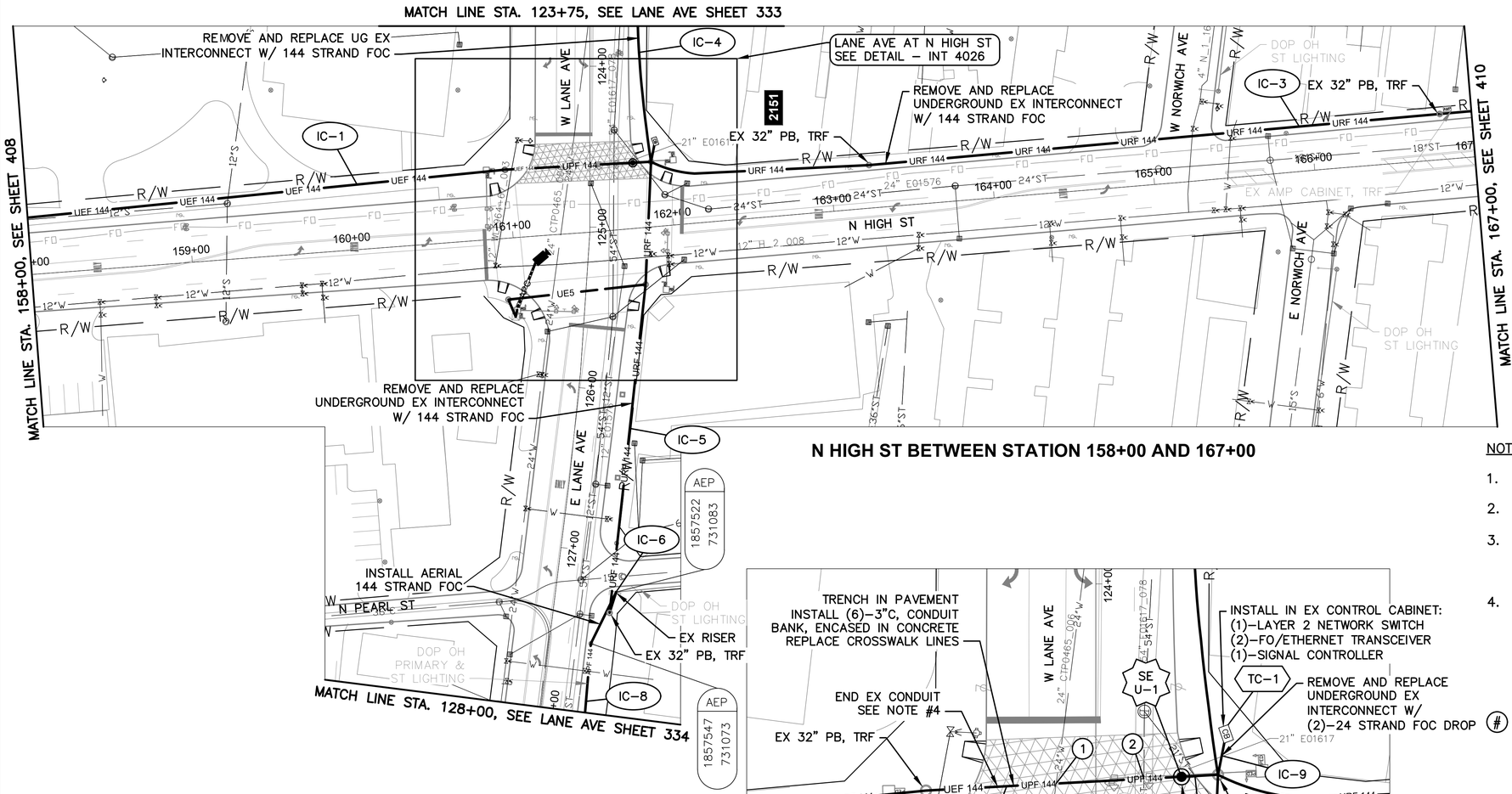
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 152+00 AND 158+00, INT 4025

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

408
1000

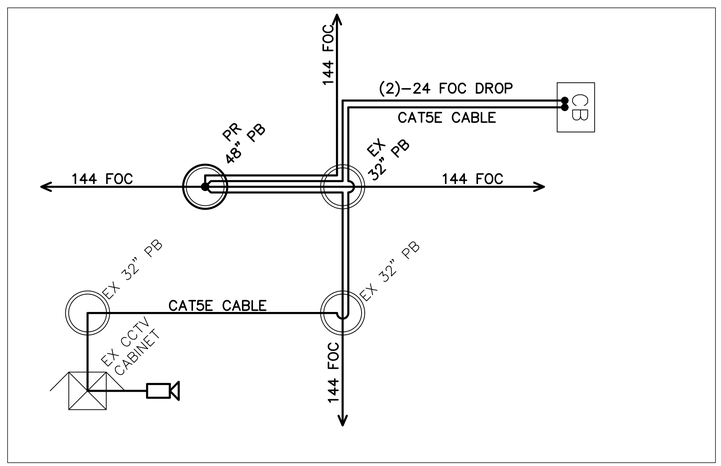
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N HIGH ST BETWEEN STATION 158+00 AND 167+00

DETAIL - INT 4026

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 4026

NOT TO SCALE

NOTES:

1. SEE SHEETS 412 & 413 FOR QUANTITIES.
2. SEE SHEETS 668 & 710 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 4026, PROVIDE 75' OF SLACK FROM ALL FOUR DIRECTIONS FOR THE 300' TOTAL.
4. INTERCEPT EX CONDUIT THAT WAS INSTALLED AND CAPPED AT THE SWC OF LANE AVE AT HIGH ST PER PLAN 3191–E. SIX 3" CONDUITS NEEDED. TWO ADDITIONAL CONDUITS ARE TO BE INSTALLED TO MATCH WITH EXISTING DUCT BANK CONFIGURATION AND ARE INCIDENTAL TO THE 4–3" ENCASED CONDUIT DUCT BANK PAY ITEM FOR THIS LOCATION.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 355.

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CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

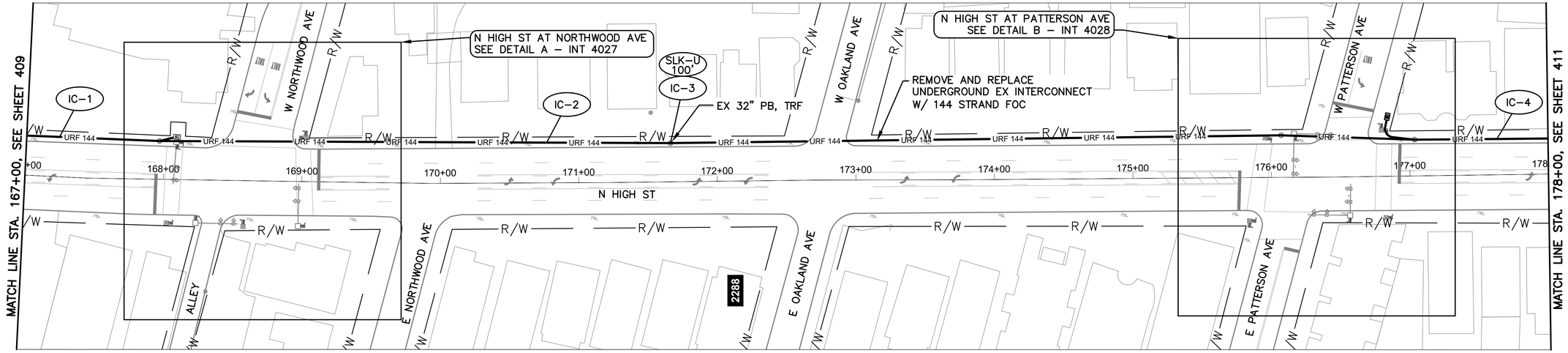
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 158+00 AND 167+00, INT 4026

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

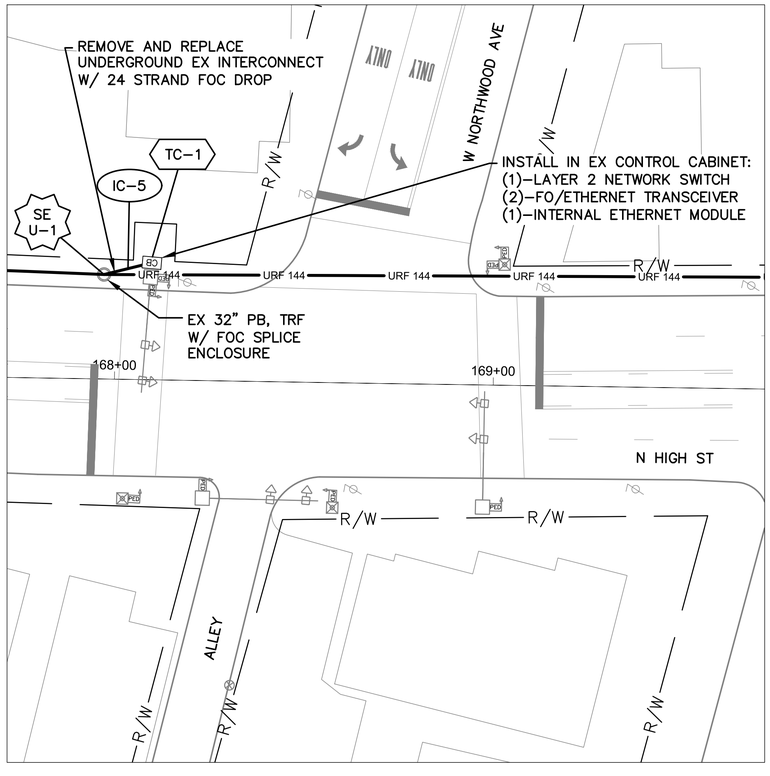
409
1000

3150-E

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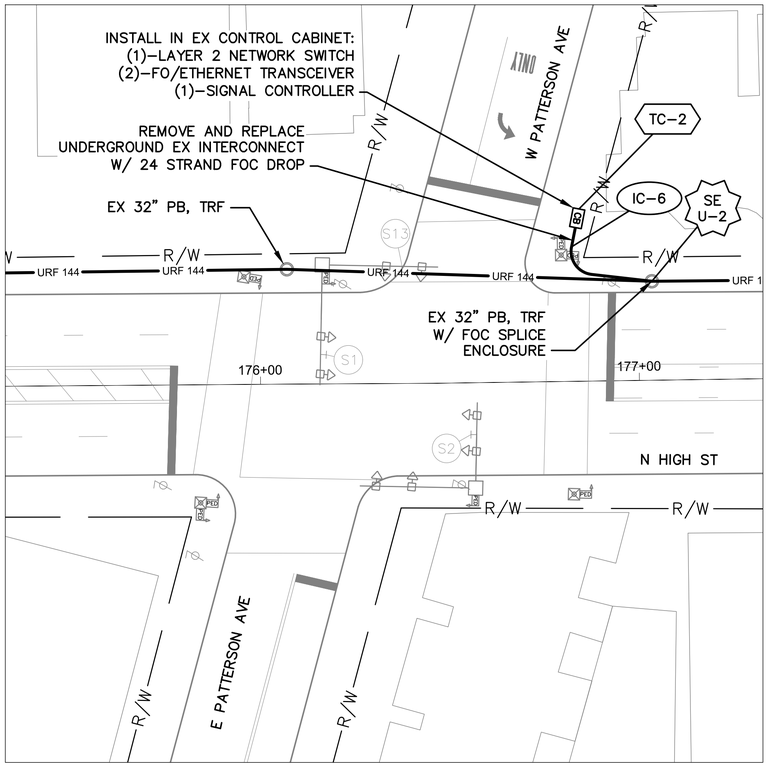


N HIGH ST BETWEEN STATION 167+00 AND 178+00



DETAIL A - INT 4027

0 20 40
HORIZONTAL
SCALE IN FEET



DETAIL B - INT 4028

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEETS 412 & 413 FOR QUANTITIES.
2. SEE SHEETS 668, 713 & 714 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

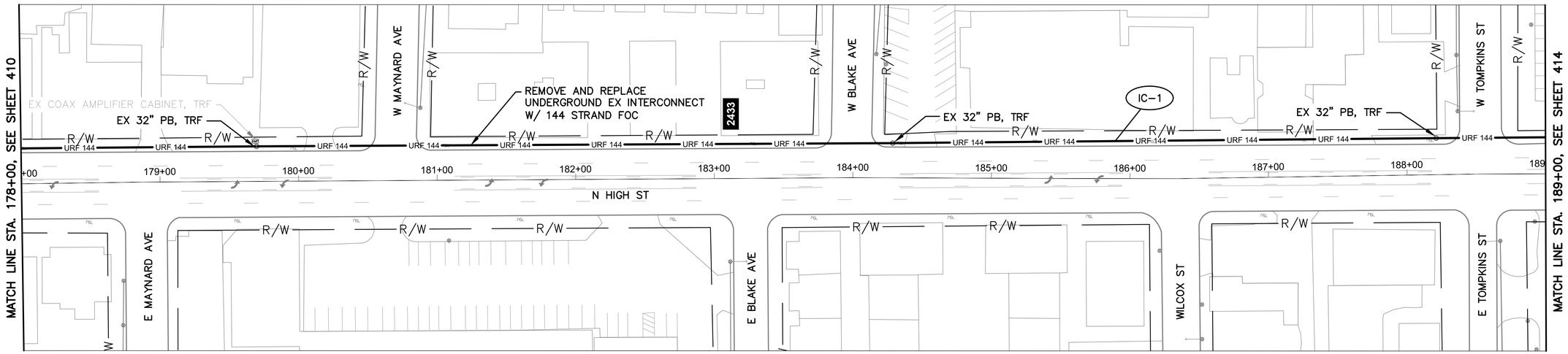
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 167+00 AND 178+00, INTS 4027 & 4028

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

3150-E

410
1000

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N HIGH ST BETWEEN STATION 178+00 AND 189+00

NOTES:

1. SEE SHEETS 412 & 413 FOR QUANTITIES.
2. SEE SHEET 668 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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3150-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 178+00 AND 189+00

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

411
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	202	608	609	625	625	625	625	625	632	632	632	632	632	632	632	632	632
			FROM	TO	EXISTING CONDUIT CLEANED, AS PER PLAN	WALK REMOVED	8" CONCRETE WALK	CURB, STRAIGHT 18"	CONDUIT, 3", AS PER PLAN	CONDUIT, CONCRETE ENCASED, 4-3", 725.05, 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	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.: SPLICE ENCLOSURE, DOME, 800 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE	MESSENGER 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
					FT	SF	SF	FT	FT	FT	EACH	EACH	FT	FT	FT	EACH	FT	EACH	EACH	EACH	FT	FT	FT	EACH
N HIGH ST. BETWEEN STA. 147+00 AND 152+00, INT 4024																								
407	IC-1	N HIGH ST	147+00, 42' LT	147+67, 42' LT	68										68									
407	SE U-1	N HIGH ST	147+67, 42' LT												150	24		1						
407	IC-2	N HIGH ST	147+67, 42' LT	152+00, 43' LT	432										432									
407	IC-3	N HIGH ST	147+67, 42' LT	147+67, 48' LT		100	100		6				6							1				
407	TC-1	N HIGH ST	147+67, 48' LT																					
N HIGH ST. BETWEEN STA. 152+00 AND 158+00, INT 4025																								
408	IC-1	N HIGH ST	152+00, 43' LT	152+41, 43' LT	42										42									
408	SE U-1	N HIGH ST	152+41, 43' LT												150	24		1						
408	IC-2	N HIGH ST	152+41, 43' LT	158+00, 35' LT	558										558									
408	IC-3	N HIGH ST	152+41, 43' LT	152+67, 41' LT									26							1				
408	TC-1	N HIGH ST	152+67, 41' LT																					
408	R-1	N HIGH ST	152+67, 41' LT	153+24, 28' RT													89							
N HIGH ST. BETWEEN STA. 158+00 AND 167+00, INT 4026																								
409	IC-1	N HIGH ST	158+00, 35' LT	158+20, 32' LT	32										321									
409	EC-1	N HIGH ST	160+98, 49' RT	161+13, 16' RT																		75		
409	TC-2	N HIGH ST	160+98, 49' RT																			20		
409	EC-2	N HIGH ST	160+98, 49' RT	161+80, 35' RT	98																	196		
409	EC-3	N HIGH ST	160+98, 49' RT	161+94, 53' LT																		178		
409	CTV-1	N HIGH ST	161+88, 16' RT																					1
409	IC-2	N HIGH ST	161+20, 49' RT	161+88, 41' LT		100	100	10		69				69	69									
409	IC-10	N HIGH ST	161+04, 53' LT	161+92, 40' LT																				
409	IC-4	W LANE AVE	123+75, 30' LT	124+59, 37' LT	85										85									
409	IC-5	W LANE AVE	124+59, 37' LT	126+96, 39' LT	243										243									
409	IC-6	W LANE AVE	126+96, 39' LT	127+23, 37' LT											35									
409	IC-7	W LANE AVE	126+96, 39' LT	127+23, 37' LT											27		27					2		
409	IC-8	W LANE AVE	127+23, 37' LT	128+00, 37' LT																		8		
409	SE U-1	N HIGH ST	161+88, 41' LT	161+88, 41' LT							1	1			300					1				
409	IC-9	N HIGH ST	161+88, 41' LT	161+94, 53' LT	19										19						2			
409	IC-3	N HIGH ST	161+88, 41' LT	167+00, 29' LT	513										513									
409	TC-1	N HIGH ST	161+94, 53' LT																			20		
N HIGH ST. BETWEEN STA. 167+00 AND 178+00, INTS 4027 & 4028																								
410	IC-1	N HIGH ST	167+00, 29' LT	167+96, 28' LT	96										96									
410	SE U-1	N HIGH ST	167+96, 28' LT												150	24		1						
410	IC-5	N HIGH ST	167+96, 28' LT	168+09, 31' LT	18																1			
410	IC-2	N HIGH ST	167+96, 28' LT	177+03, 26' LT	906										906									
410	TC-1	N HIGH ST	168+09, 31' LT																					
410	IC-3	N HIGH ST	171+66, 28' LT												100									
410	TC-2	N HIGH ST	176+84, 43' LT																					
410	IC-6	N HIGH ST	176+84, 43' LT	177+03, 26' LT	31																1			
410	SE U-2	N HIGH ST	177+03, 26' LT												150	24		1						
410	IC-4	N HIGH ST	177+03, 26' LT	178+00, 26' LT	96										96									
N HIGH ST. BETWEEN STA. 178+00 AND 189+00																								
411	IC-1	N HIGH ST	178+00, 26' LT	189+00, 26' LT	1,100										1,100									
411	IC-2	N HIGH ST	184+28, 25' LT												100									
SHEET TOTAL					4,626	400	400	10	32	69	1	1	32	69	5,790	408	116	4	1	6	107	414	75	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.

CIP: 540007–100006
PID NUMBER: 82573

HIGH ST BETWEEN STA. 147+00 & 189+00
INTS 4024, 4025, 4026, 4027, 4028

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

412
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: INTERNAL ETHERNET MODULE	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN	644 CROSSWALK LINE, AS PER PLAN
					EACH	EACH	EACH	EACH	FT
N HIGH ST. BETWEEN STA. 147+00 AND 152+00, INT 4024									
407	IC-1	N HIGH ST	147+00, 42' LT	147+67, 42' LT					
407	SE U-1	N HIGH ST	147+67, 42' LT						
407	IC-2	N HIGH ST	147+67, 42' LT	152+00, 43' LT					
407	IC-3	N HIGH ST	147+67, 42' LT	147+67, 48' LT					
407	TC-1	N HIGH ST	147+67, 48' LT		2		1	1	
N HIGH ST. BETWEEN STA. 152+00 AND 158+00, INT 4025									
408	IC-1	N HIGH ST	152+00, 43' LT	152+41, 43' LT					
408	SE U-1	N HIGH ST	152+41, 43' LT						
408	IC-2	N HIGH ST	152+41, 43' LT	152+88, 43' LT					
408	IC-3	N HIGH ST	152+41, 43' LT	152+67, 41' LT					
408	TC-1	N HIGH ST	152+67, 41' LT		2		1	1	
408	R-1	N HIGH ST	152+67, 41' LT	153+24, 28' RT					
N HIGH ST. BETWEEN STA. 158+00 AND 167+00, INT 4026									
409	IC-1	HIGH ST	158+00, 35' LT	161+24, 42' LT					
409	EC-1	HIGH ST	160+98, 49' RT						
409	TC-2	HIGH ST	160+98, 49' RT						
409	EC-2	N HIGH ST	160+98, 49' RT	161+80, 35' RT					
409	EC-3	N HIGH ST	160+98, 49' RT	161+94, 53' LT					
409	CTV-1	N HIGH ST	161+13, 49' RT						
409	IC-2	N HIGH ST	161+20, 49' LT	161+24, 41' LT					
409	IC-10	N HIGH ST	161+33, 49' LT	161+80, 30' LT					150
409	IC-4	W LANE AVE	123+75, 30' LT	124+59, 37' LT					
409	IC-5	W LANE AVE	124+59, 37' LT	126+96, 39' LT					
409	IC-6	W LANE AVE	126+96, 39' LT	127+23, 37' LT					
409	IC-7	W LANE AVE	127+23, 37' LT	128+03, 28' LT					
409	SE U-1	N HIGH ST	161+24, 41' LT						
409	IC-9	N HIGH ST	161+88, 41' LT	161+94, 53' LT					
409	IC-3	N HIGH ST	161+88, 41' LT	167+00, 29' LT					
409	TC-1	N HIGH ST	161+94, 53' LT						
N HIGH ST. BETWEEN STA. 167+00 AND 178+00, INTS 4027 & 4028									
410	IC-1	N HIGH ST	167+00, 29' LT	167+96, 28' LT					
410	SE U-1	N HIGH ST	167+96, 28' LT						
410	IC-5	N HIGH ST	167+96, 28' LT	168+09, 31' LT					
410	IC-2	N HIGH ST	167+96, 28' LT	177+03, 26' LT					
410	TC-1	N HIGH ST	168+09, 31' LT		2	1	1		
410	IC-3	N HIGH ST	171+66, 28' LT						
410	TC-2	N HIGH ST	176+84, 43' LT		2		1	1	
410	IC-6	N HIGH ST	176+84, 43' LT	177+03, 26' LT					
410	SE U-2	N HIGH ST	177+03, 26' LT						
410	IC-4	N HIGH ST	177+03, 26' LT	178+00, 26' LT					
N HIGH ST. BETWEEN STA. 178+00 AND 189+00									
411	IC-1	N HIGH ST	178+00, 26' LT	189+00, 26' LT					
411	IC-2	N HIGH ST	184+28, 25' LT						
SHEET TOTAL					10	1	5	4	150

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

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

3150-E

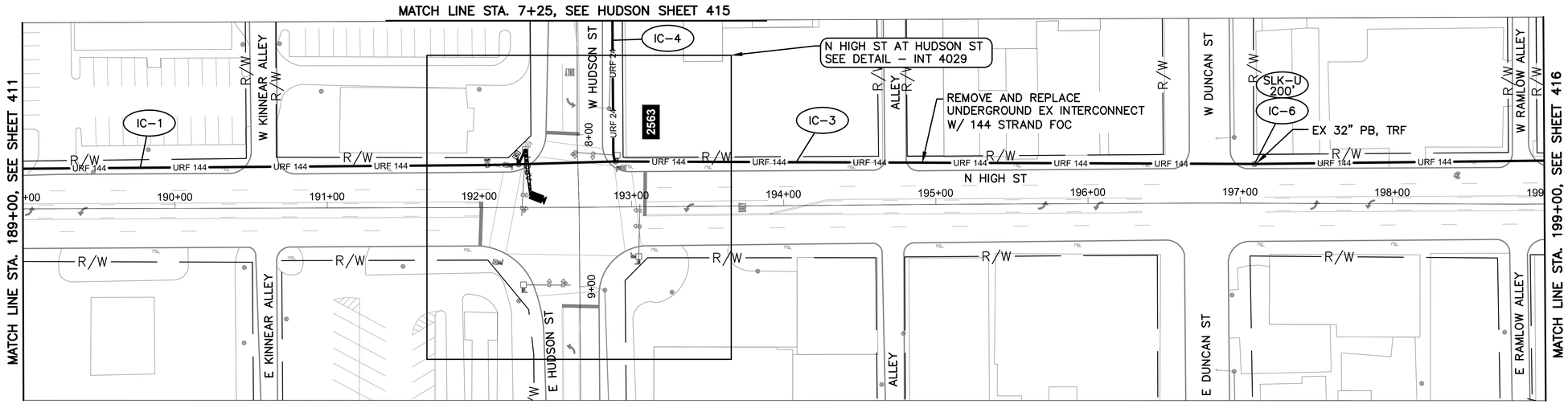
CIP: 540007–100006
PID NUMBER: 82573

HIGH ST BETWEEN STA. 147+00 & 189+00
INTS 4024, 4025, 4026, 4027, 4028

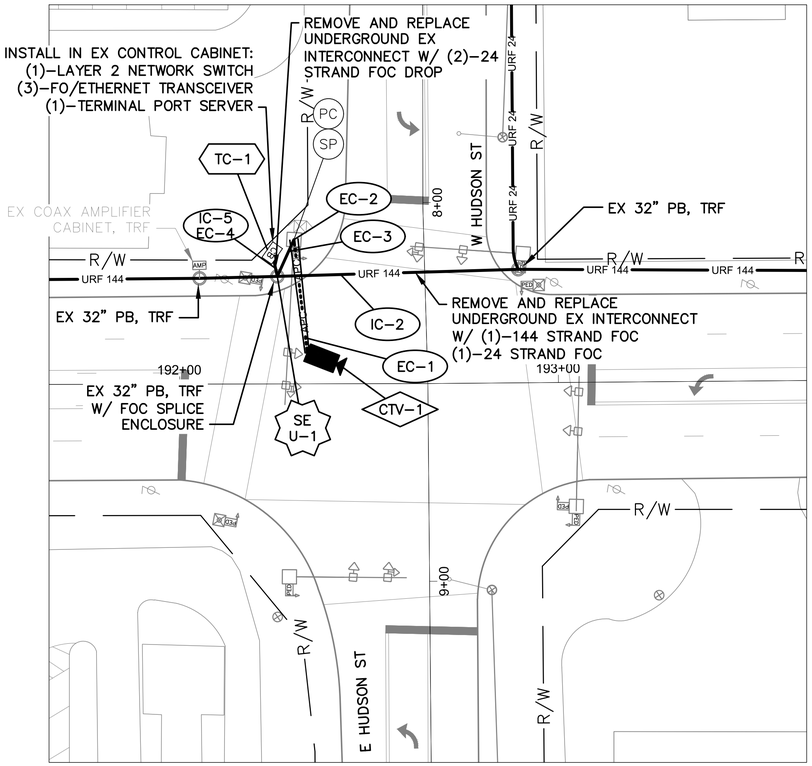
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

413
1000

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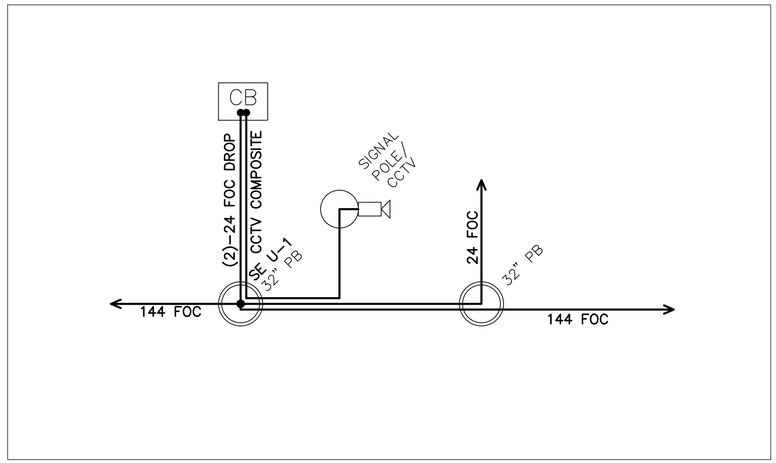


N HIGH ST BETWEEN STATION 189+00 AND 199+00



DETAIL - INT 4029

0 20 40
HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 4029
NOT TO SCALE

NOTES:

1. SEE SHEET 419 FOR QUANTITIES.
2. SEE SHEETS 668 & 715 FOR COMMUNICATION DETAILS.

Ohio Utilities Protection Service
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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

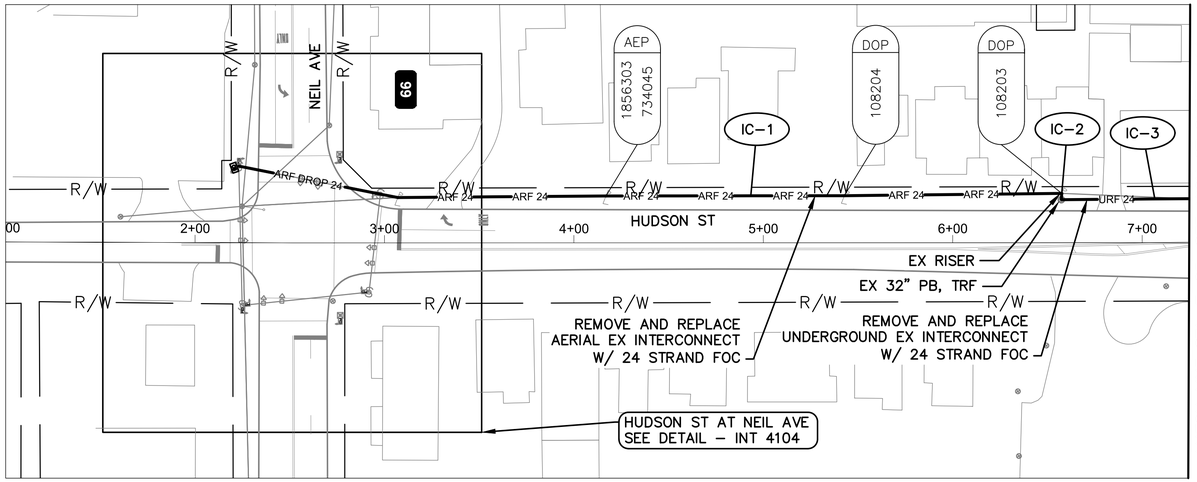
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 189+00 AND 199+00, INT 4029

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

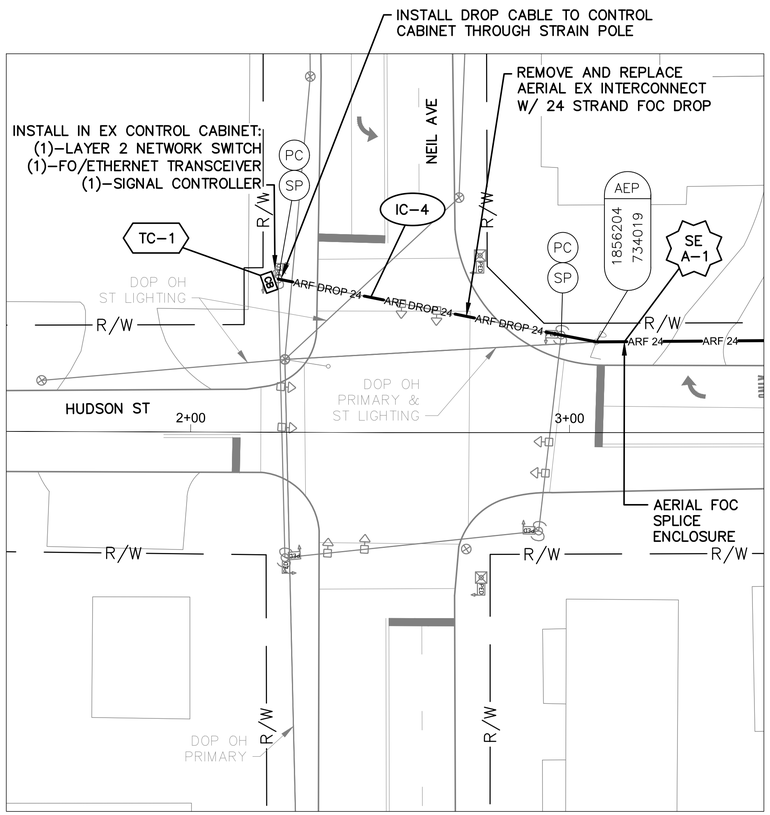
414
1000

3150-E

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HUDSON ST BETWEEN STATION 1+00 AND 7+25



DETAIL - INT 4104

0 20 40
HORIZONTAL
SCALE IN FEET

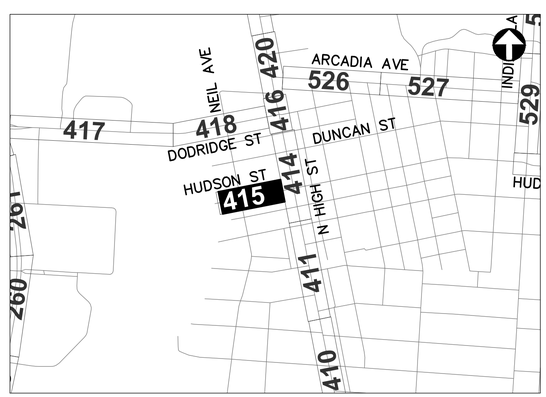
NOTES:

1. SEE SHEET 419 FOR QUANTITIES.
2. SEE SHEETS 668 & 716 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

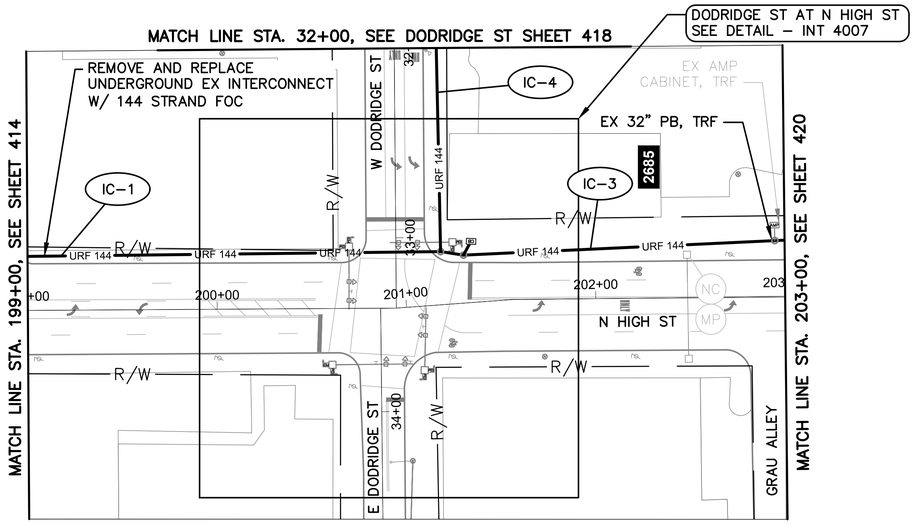
INTERCONNECT PLAN
HUDSON ST BETWEEN STA. 1+00 AND 7+25, INT 4104

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

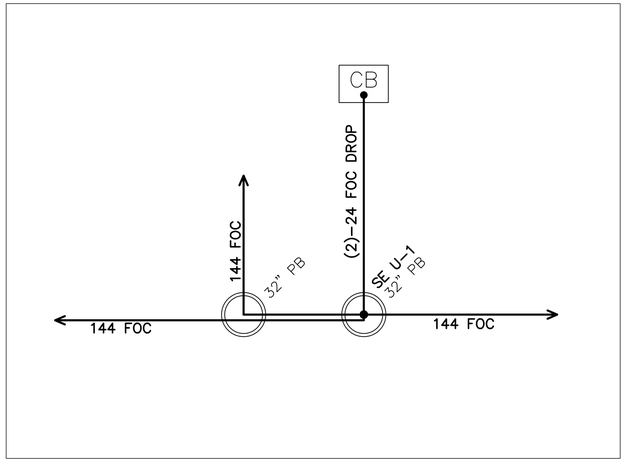
415
1000

3150-E

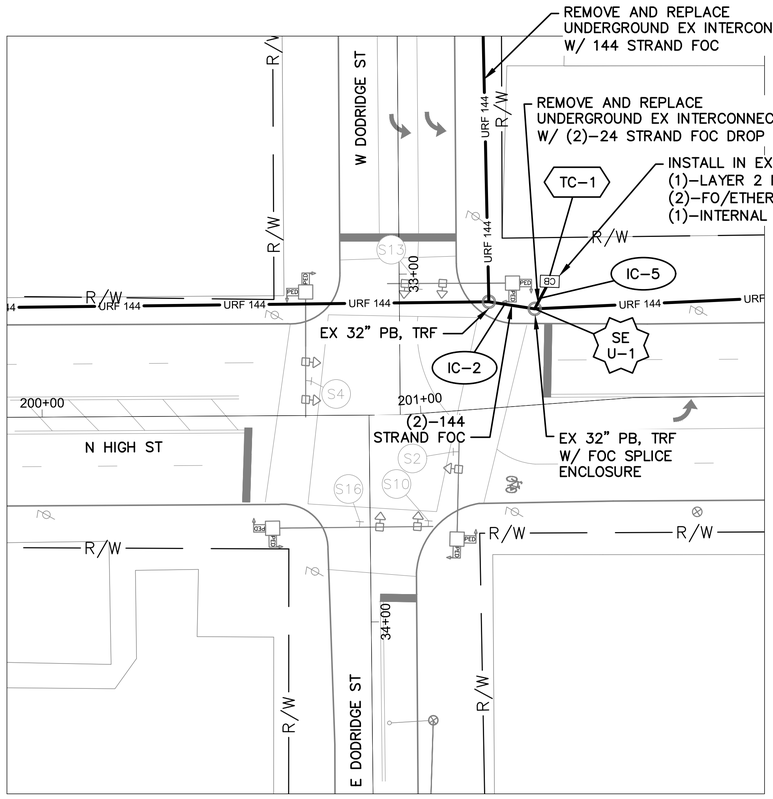
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N HIGH ST BETWEEN STATION 199+00 AND 203+00



CABLE SCHEMATIC - INT 4007
NOT TO SCALE



DETAIL - INT 4007

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 419 FOR QUANTITIES.
2. SEE SHEETS 668 & 717 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 4007, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 20 40
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

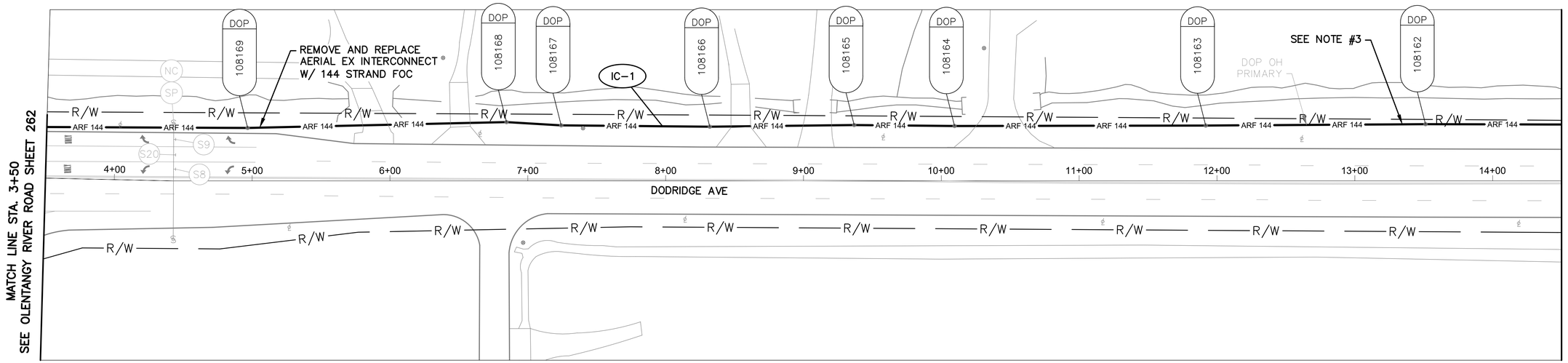
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 199+00 AND 203+00, INT 4007

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

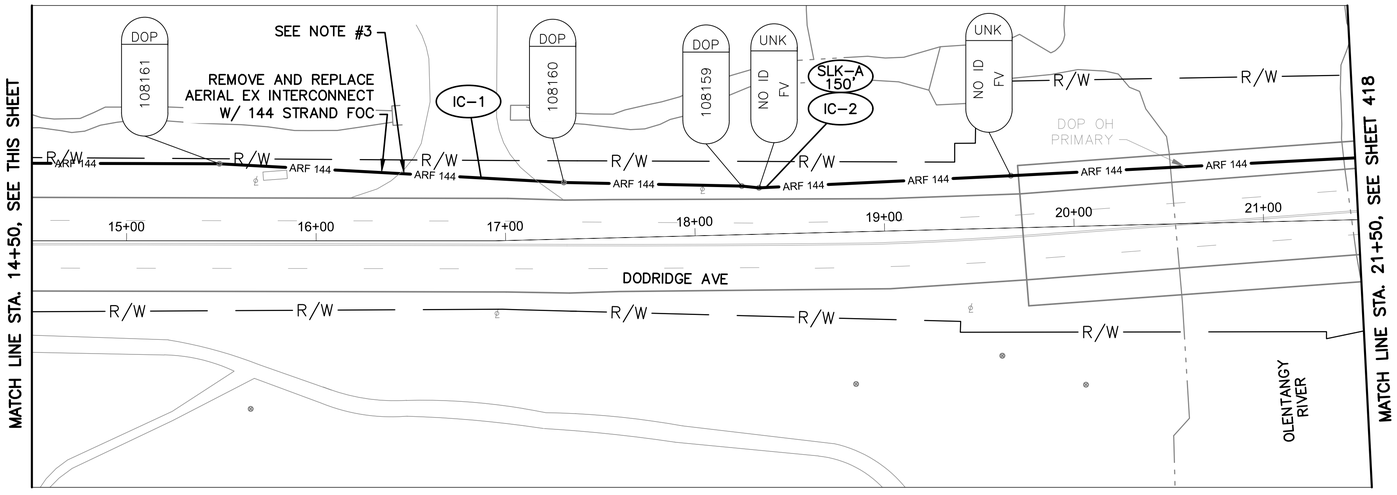
416
1000

3150-E

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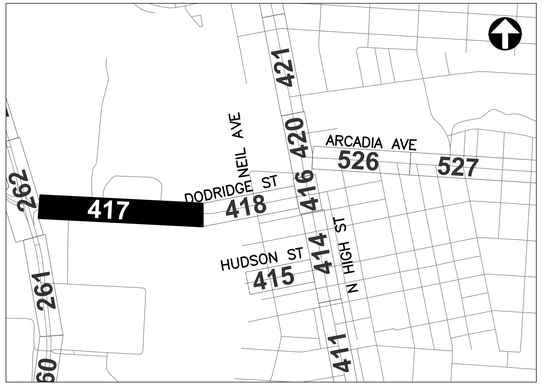
DODRIDGE ST BETWEEN STATION 3+50 AND 14+50



DODRIDGE ST BETWEEN STATION 14+50 AND 21+50

NOTES:

1. SEE SHEET 419 FOR QUANTITIES.
2. SEE SHEET 668 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

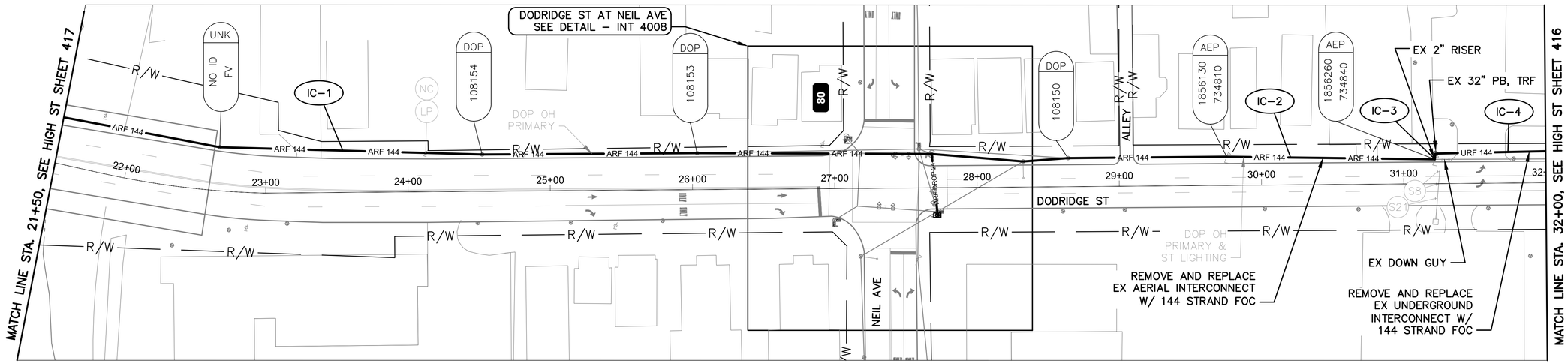
INTERCONNECT PLAN
DODRIDGE ST BETWEEN STA. 3+50 AND 21+50

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

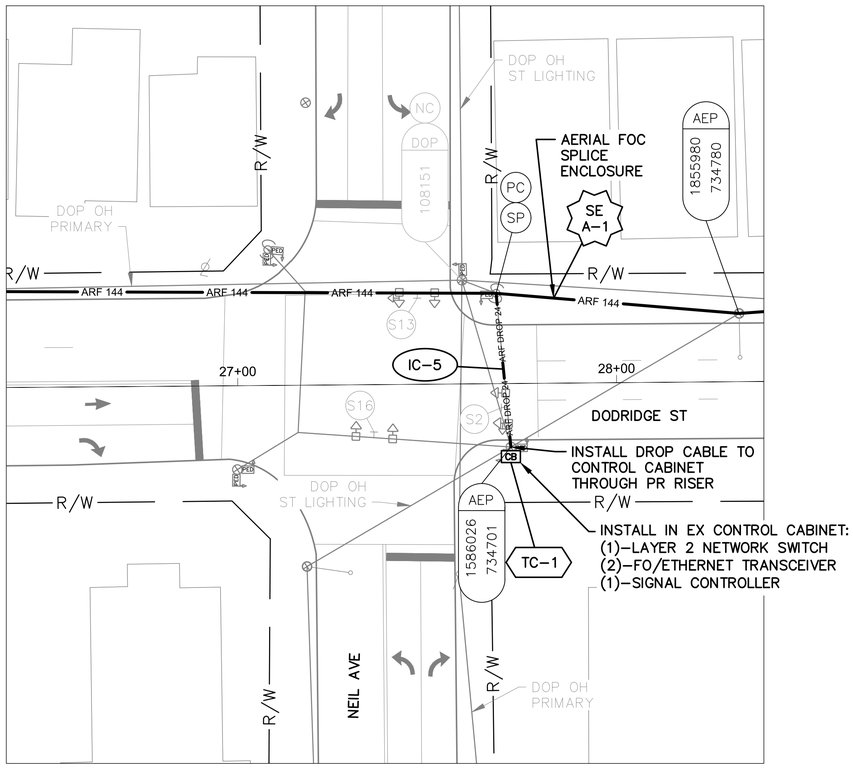
417
1000

3150-E

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DODRIDGE ST BETWEEN STATION 21+50 AND 32+00



DETAIL - INT 4008

0 20 40
HORIZONTAL
SCALE IN FEET

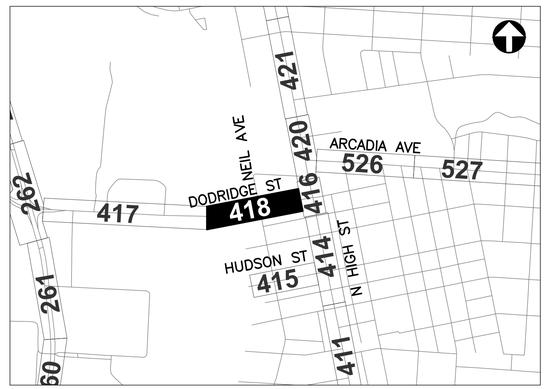
NOTES:

1. SEE SHEET 419 FOR QUANTITIES.
2. SEE SHEETS 668 & 718 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 UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
DODRIDGE ST BETWEEN STA. 21+50 AND 32+00, INT 4008

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

418
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	633	633	633	633			
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	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	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	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	CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN			
			FROM	TO	FT	EACH	EACH	FT	FT	EACH	FT	EACH	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH			
N HIGH ST. BETWEEN STA. 189+00 AND 199+00, INT 4029																								
414	IC-1	N HIGH ST	189+00, 26' LT	192+25, 28' LT	326			326																
414	TC-1	N HIGH ST	192+24, 35' LT												10		3		1	1				
414	IC-5	N HIGH ST	192+24, 35' LT	192+25, 28' LT	11								2											
414	EC-4	N HIGH ST	192+24, 35' LT	192+25, 28' LT											11									
414	EC-1	N HIGH ST	192+24, 35' LT	192+34, 8' LT											30									
414	SE U-1	N HIGH ST	192+25, 28' LT					150	75	36		1												
414	EC-3	N HIGH ST	192+25, 28' LT	192+30, 38' LT	20										20									
414	IC-2	N HIGH ST	192+25, 28' LT	192+94, 30' LT	69			69	69															
414	EC-2	N HIGH ST	192+30, 38' LT			1									35									
414	CTV-1	N HIGH ST	192+34, 8' LT													1								
414	IC-3	N HIGH ST	192+94, 30' LT	199+00, 29' LT	604			604																
414	IC-4	W HUDSON ST	7+25, 26' LT	8+18, 30' LT	92				92															
HUDSON ST. BETWEEN STA. 1+00 AND 7+25, INT 4104																								
415	TC-1	HUDSON ST	[illegible]																	1				
415	IC-4	HUDSON ST	[illegible]	[illegible]									1	[illegible]										
415	SE A-1	HUDSON ST	3+07, 24' LT						75	12		1												
415	IC-1	HUDSON ST	3+07, 24' LT	6+57, 26' LT					356		351			356										
415	IC-2	[illegible]	6+57, 26' [illegible]						[illegible]															
415	IC-3	[illegible]	6+57, 26' LT	7+2[illegible]	71				[illegible]															
N HIGH ST. BETWEEN STA. 199+00 AND 203+00, INT 4007																								
416	IC-1	N HIGH ST	199+00, 29' LT	201+31, 25' LT	230			230																
416	IC-4	W DODRIDGE ST	32+00, 22' LT	33+07, 24' LT	107			107																
416	IC-2	N HIGH ST	[illegible]	201[illegible], 25' LT				[illegible]																
416	SE U-1	N HIGH ST	0[illegible]	[illegible]				[illegible]		228														
416	IC-5	N HIGH ST	201[illegible], 25' LT	201[illegible], 32' LT	[illegible]								2											
416	IC-3	N HIGH ST	201+31, 25' LT	203+00, 30' LT	170			170																
416	TC-1	N HIGH ST	201+36, 32' LT														2	1	1					
DODRIDGE ST. BETWEEN STA. [illegible] AND 2[illegible]50																								
417	IC-1	W DODRIDGE ST	3[illegible]50, 37' LT	21+[illegible]33' LT				1,827				1,800		[illegible]7										
417	IC-2	W DODRIDGE ST	18+38, 25' LT					150																
DODRIDGE ST. BETWEEN STA. 21+50 AND 32+00, INT 4008																								
418	IC-1	W DODRIDGE ST	21+5[illegible]33' LT	27+6[illegible]24' LT				62[illegible]				612		[illegible]21										
418	SE A-1	W DODRIDGE ST	27+68, 24' LT					15[illegible]					1											
418	IC-2	W DODRIDGE ST	[illegible], 24' LT	31+2[illegible]17' LT				[illegible]				354		[illegible]39										
418	IC-5	W DODRIDGE ST	27+68, 24' LT	27+71, 17' RT								41		1	42									
418	TC-1	W DODRIDGE ST	27+71, 17' RT				1										2		1		1			
418	IC-3	W DODRIDGE ST	31+22, 17' LT					35																
418	IC-4	W DODRIDGE ST	31+22, 17' LT	32+00, 22' LT	82			82																
SHEET TOTAL					1,795	1	1	5,117	773	300	3,244	4	6	3,292	106	1	8	1	4	1	2	-	-	-

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

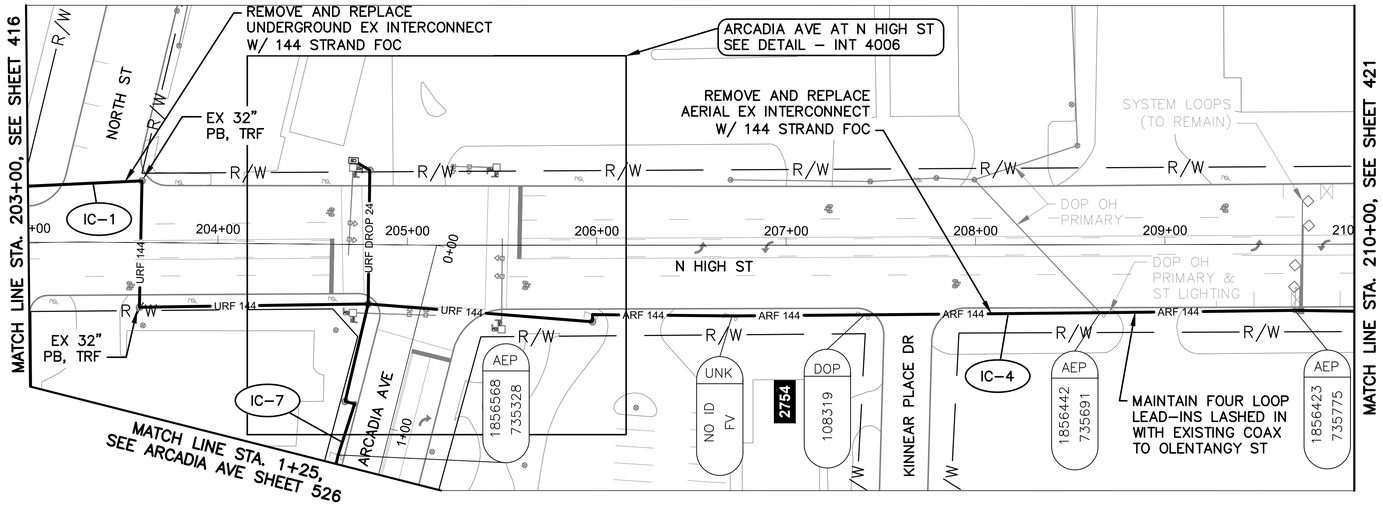
QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.

CIP: 540007-100006
PID NUMBER: 82573

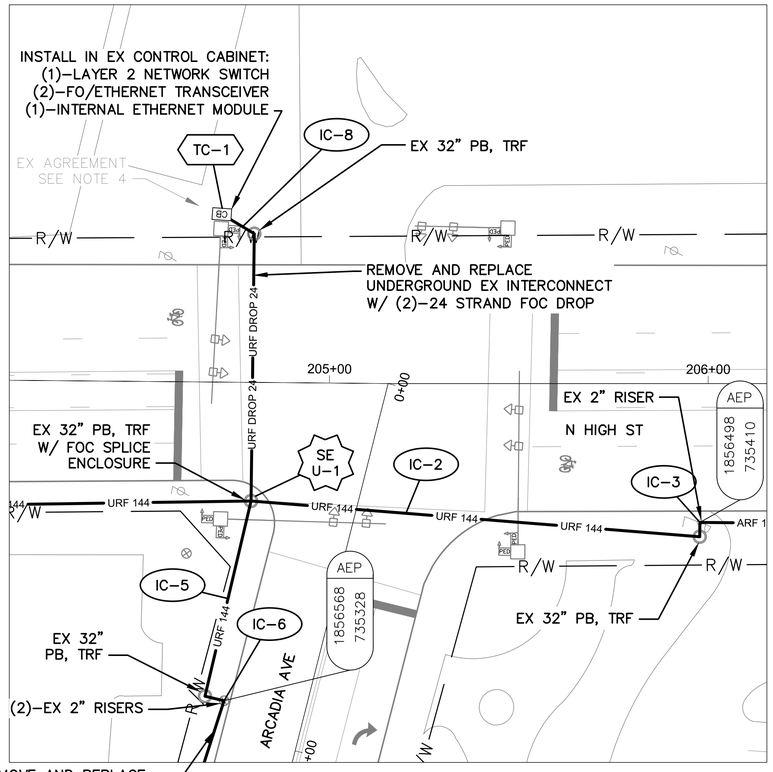
HIGH ST BTW STA 189+00 & 203+00,
DODRIDGE ST BTW STA. 3+50 & 32+00, INTS 4029, 4104, 4007, 4008

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

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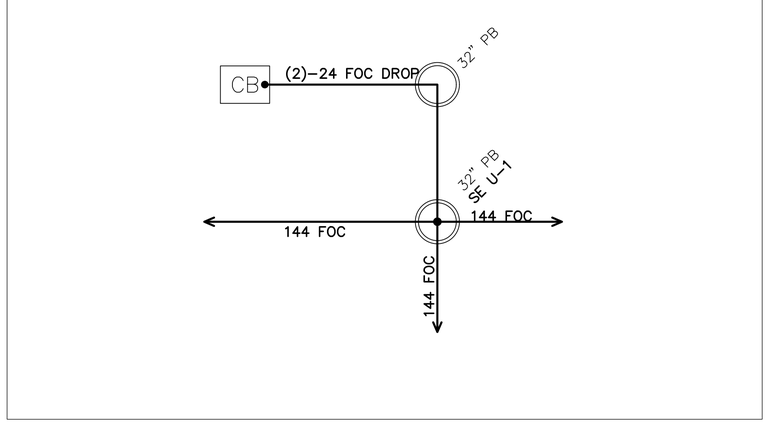


N HIGH ST BETWEEN STATION 203+00 AND 210+00



DETAIL - INT 4006

0 20 40
HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 4006
NOT TO SCALE

NOTES:

1. SEE SHEET 425 FOR QUANTITIES.
2. SEE SHEETS 668 & 719 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 4006, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.
4. A SIGNAL AGREEMENT EXISTS, RESOLUTION NUMBER 0745–03 (PASSED 10–8–2003), BETWEEN WHITE CASTLE 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.

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

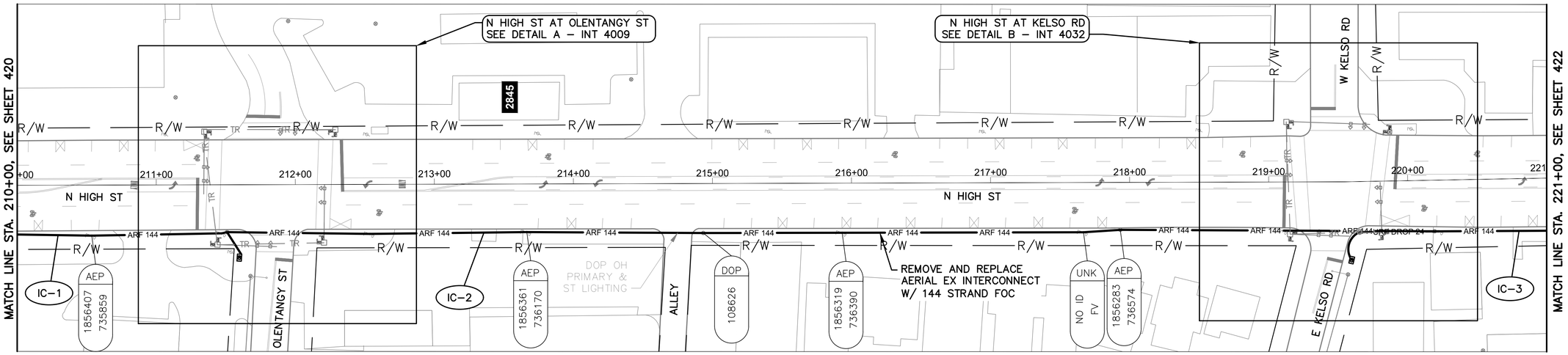
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 203+00 AND 210+00, INT 4006

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

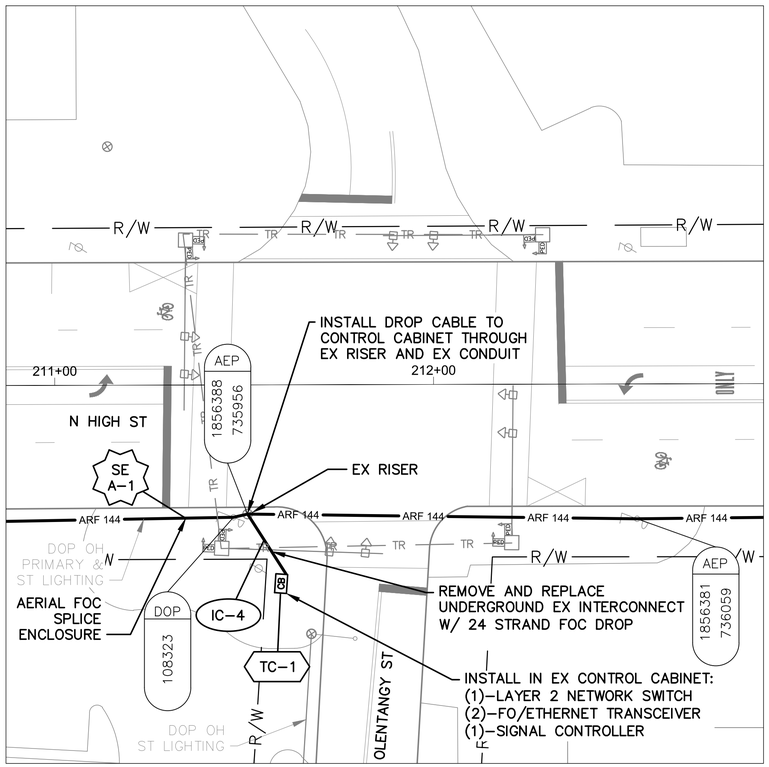
420
1000

3150-E

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk3_HIGH3_INTERCONNECT.dwg – HIGH–17B layout ~ last saved by: jbeans 12/20/2019 11:35am ~ printed 03/19/2020 02:25pm

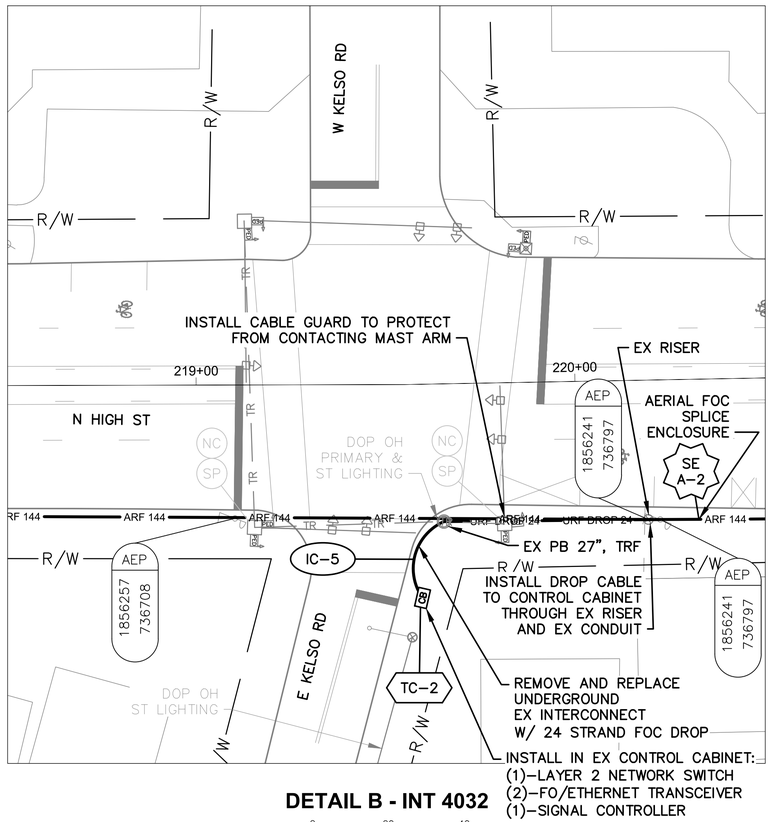


N HIGH ST BETWEEN STATION 210+00 AND 221+00



DETAIL A - INT 4009

0 20 40
HORIZONTAL
SCALE IN FEET



DETAIL B - INT 4032

0 20 40
HORIZONTAL
SCALE IN FEET

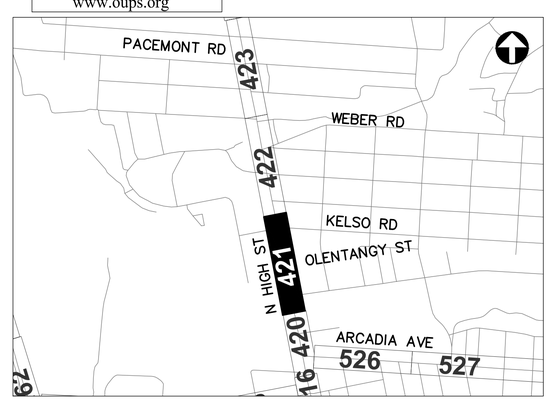
NOTES:

1. SEE SHEET 425 FOR QUANTITIES.
2. SEE SHEETS 665, 720 & 721 FOR COMMUNICATION DETAILS.
3. SIGNAL AGREEMENT IN PLACE BETWEEN CITY OF COLUMBUS AND GIANT EAGLE FOR MAINTENANCE OF TRAFFIC SIGNAL AT INT 4009.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

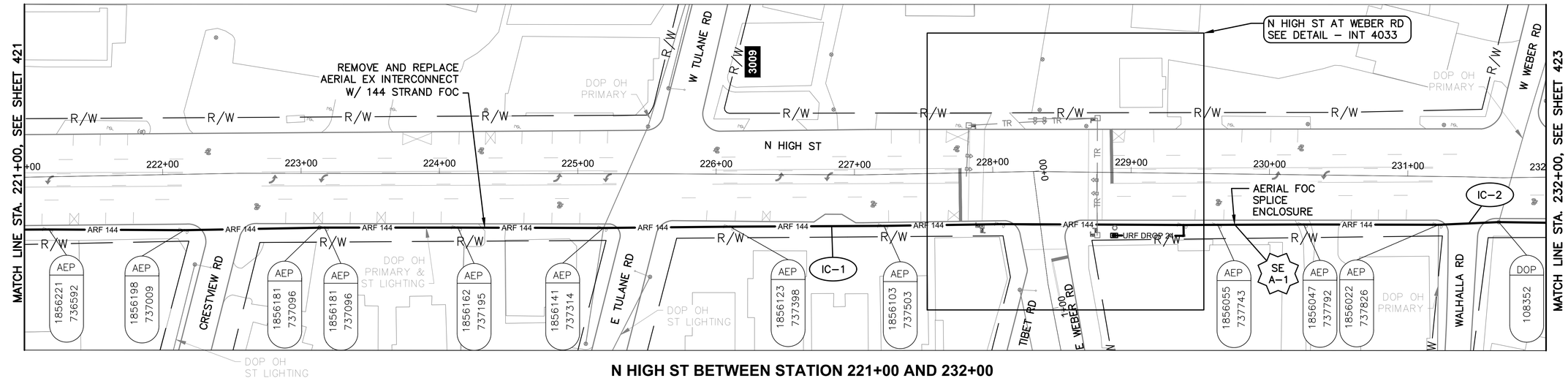
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 210+00 AND 221+00, INTS 4009 & 4032

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

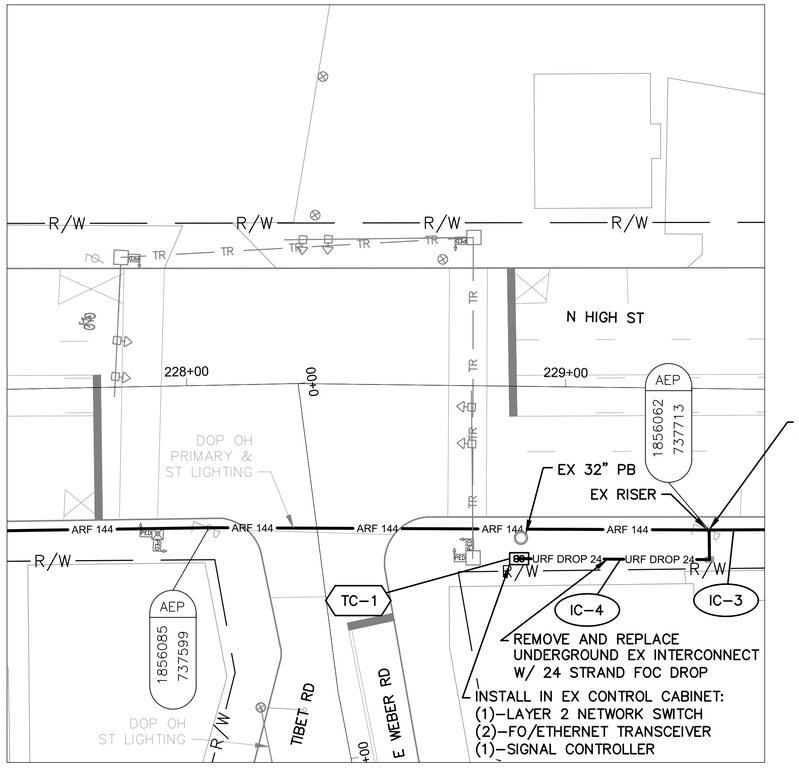
421
1000

3150-E

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N HIGH ST BETWEEN STATION 221+00 AND 232+00



DETAIL - INT 4033

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 425 FOR QUANTITIES.
2. SEE SHEETS 665 & 722 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

3150-E

0 40 80
HORIZONTAL SCALE IN FEET

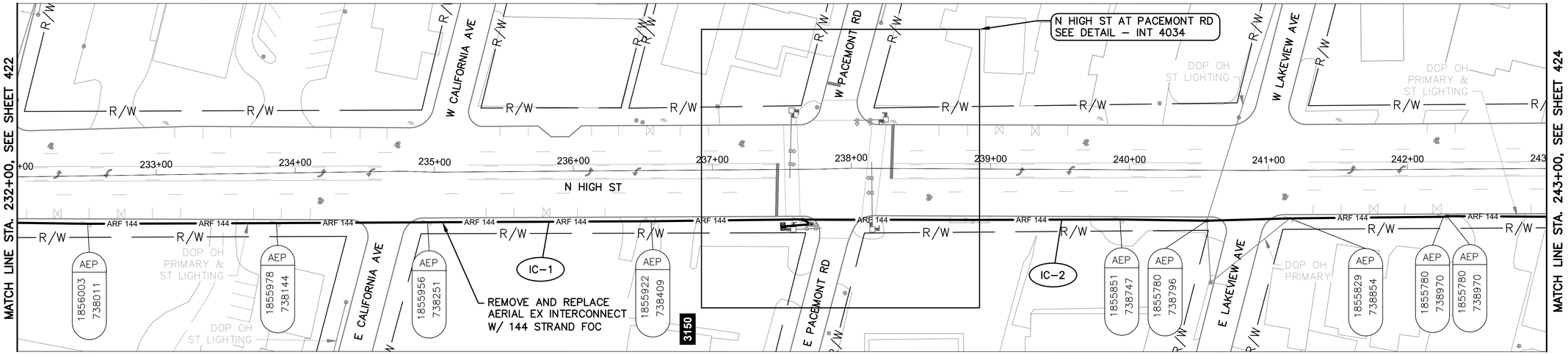
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 221+00 AND 232+00, INT 4033

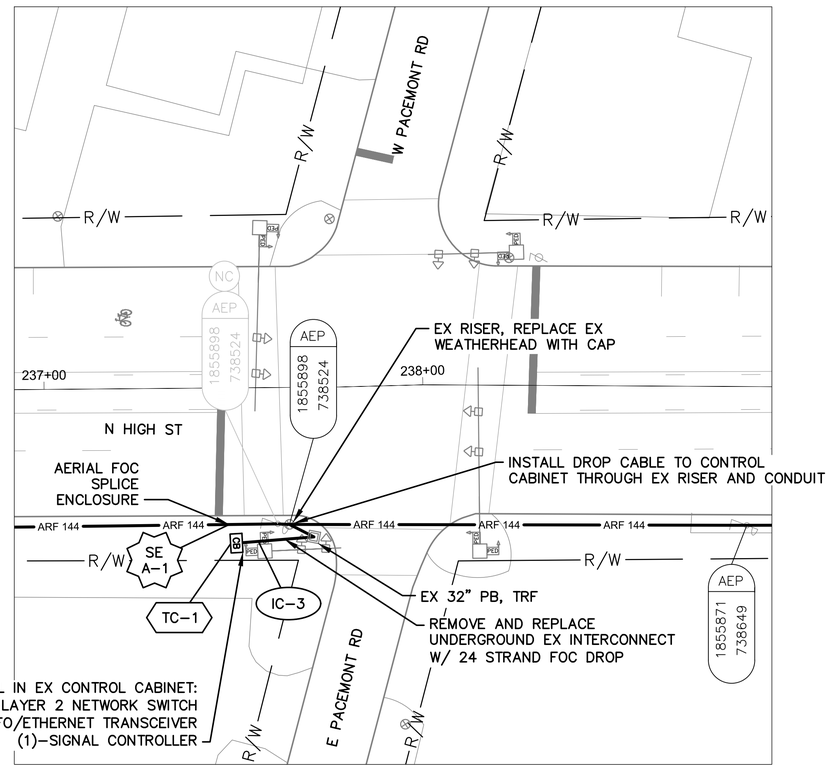
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

422
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk3_HIGH3_INTERCONNECT.dwg – HIGH–19 layout ~ last saved by: jheans 12/20/2019 11:35am ~ printed 03/19/2020 02:27pm



N HIGH ST BETWEEN STATION 232+00 AND 243+00

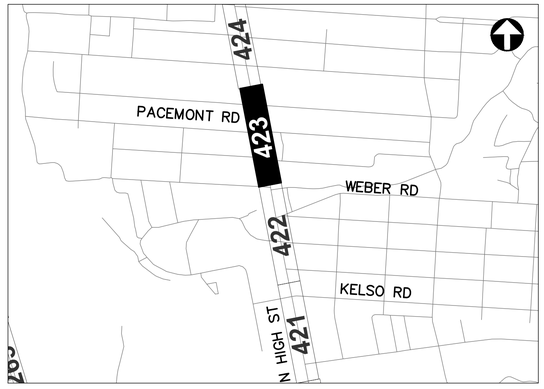


DETAIL - INT 4034

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 425 FOR QUANTITIES.
2. SEE SHEETS 665 & 723 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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www.oups.org

CITY OF COLUMBUS
UTILITY LEGEND

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

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

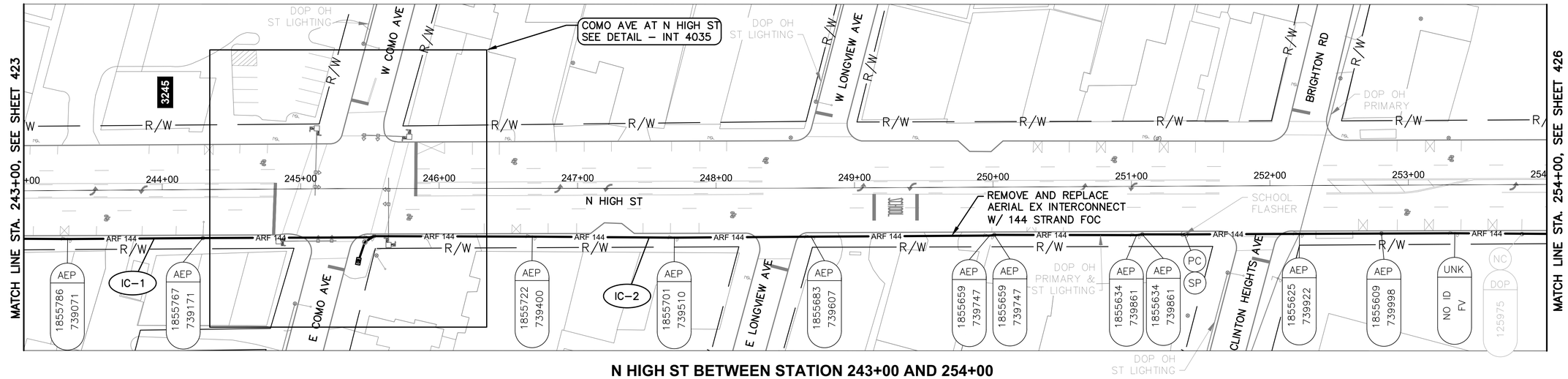
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 232+00 AND 243+00, INT 4034

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

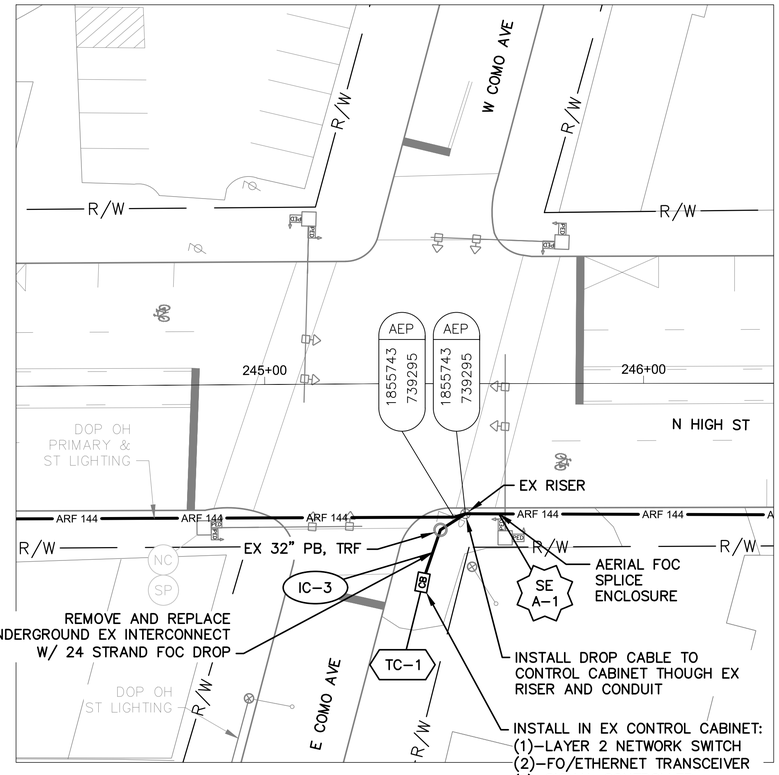
423
1000

3150-E

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N HIGH ST BETWEEN STATION 243+00 AND 254+00



DETAIL - INT 4035

HORIZONTAL SCALE IN FEET

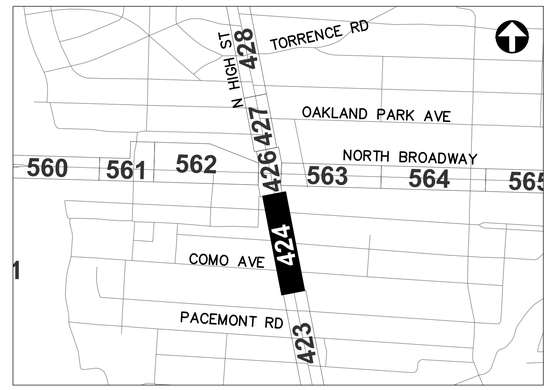
NOTES:

1. SEE SHEET 425 FOR QUANTITIES.
2. SEE SHEETS 665 & 724 FOR COMMUNICATION DETAILS.
3. DO NOT DISTURB SYSTEM LOOP LEAD–IN CABLES TO COMO.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 243+00 AND 254+00, INT 4035

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

424
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	632	632	632	633	633	633	633									
					EXISTING CONDUIT CLEANED, 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.: INTERNAL ETHERNET MODULE	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	EACH	FT	EACH	EACH	EACH	EACH									
N HIGH ST. BETWEEN STA. 203+00 AND 210+00, INT 4006																									
420	IC-1	N HIGH ST	203+00, 30' LT	204+79, 31' RT	252	252																			
420	TC-1	N HIGH ST	204+71, 44' LT										2	1	1										
420	IC-8	N HIGH ST	204+71, 44' LT	204+79, 31' RT	86					2															
420	SE U-1	N HIGH ST	204+79, 31' RT			225	228		1																
420	IC-2	N HIGH ST	204+79, 31' RT	205+97, 37' RT	123	123																			
420	IC-3	N HIGH ST	205+97, 37' RT			35																			
420	IC-4	N HIGH ST	205+97, 37' RT	210+00, 35' RT		408		402				408													
420	IC-5	ARCADIA AVE	0+29, 37' RT	0+92, 21' RT	60	60																			
420	IC-6	ARCADIA AVE	0+92, 21' RT			35																			
420	IC-7	ARCADIA AVE	0+92, 21' RT	1+25, 23' RT		[illegible]		33				33													
N HIGH ST. BETWEEN STA. 210+00 AND 221+00, INTS 4009 & 40																									
421	IC-1	N HIGH ST	210+00, 35' RT	211+47, 35' RT		149		147				149													
421	SE A-1	N HIGH ST	211+47, 35' RT			150	24		1																
421	IC-2	N HIGH ST	211+47, 35' RT	220+21, 37' RT		888		875				888													
421	IC-4	N HIGH ST	211+00, 34' RT	21[illegible]59, 5[illegible] RT		25				1															
421	TC-1	N HIGH ST	211+39, 52' RT										2		1	1									
421	TC-2	N HIGH ST	9[illegible] RT												1										
421	IC-5	N HIGH ST	219+58, 56' RT	220+21, 37' RT	86						1														
421	SE A-2	N HIGH ST	220+21, 37' RT			150	24		1																
421	IC-3	N HIGH ST	220+21, 37' RT	221+00, 38' RT		79		8				79													
N HIGH ST. BETWEEN STA. 221+00 AND 232+[illegible] INT 4035																									
422	IC-1	N HIGH ST	221+00, 38' RT	229+63, 37' RT		875		862				875													
422	TC-1	N HIGH ST	228+88, 45' RT										2		1	1									
422	IC-4	N HIGH ST	228+88, 45' RT	229+38, 37' RT	60																				
422	IC-3	N HIGH ST	228+88, 45' RT	229+63, 37' RT						1															
422	IC-2	N HIGH ST	229+63, 37' RT	23[illegible]00, 3[illegible] RT		2[illegible]		237				241													
422	SE A-1	N HIGH ST	23[illegible]			[illegible]4																			
N HIGH ST. BETWEEN STA. 232+00 AND 243+00, INT 4034																									
423	IC-1	N HIGH ST	232+[illegible]	237+[illegible] RT		[illegible]		2				570													
423	TC-1	N HIGH ST	237+[illegible], 44' RT										2		1	1									
423	IC-3	N HIGH ST	237+[illegible], 44' RT	237+[illegible], 3[illegible] RT		[illegible]				1															
423	SE A-1	N HIGH ST	237+61, 36' RT			150	24		1																
423	IC-2	N HIGH ST	237+61, 36' RT	243+00, 35' RT		546		538				546													
N HIGH ST. BETWEEN STA. 243+00 AND 254+00, INT 4035																									
424	IC-1	N HIGH ST	243+00, 35' RT	245+52, 34' RT		257		253				257													
424	TC-1	N HIGH ST	245+41, 52' RT										2		1	1									
424	IC-3	N HIGH ST	245+41, 52' RT	245+52, 34' RT	26					1															
424	SE A-1	N HIGH ST	245+52, 34' RT			150	24		1																
424	IC-2	N HIGH ST	245+52, 34' RT	254+00, 36' RT		860		847				860													
SHEET TOTAL					751	6,386	348	4,834	6	6	1	4,906	12	1	6	5	-	-	-	-	-	-	-	-	

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

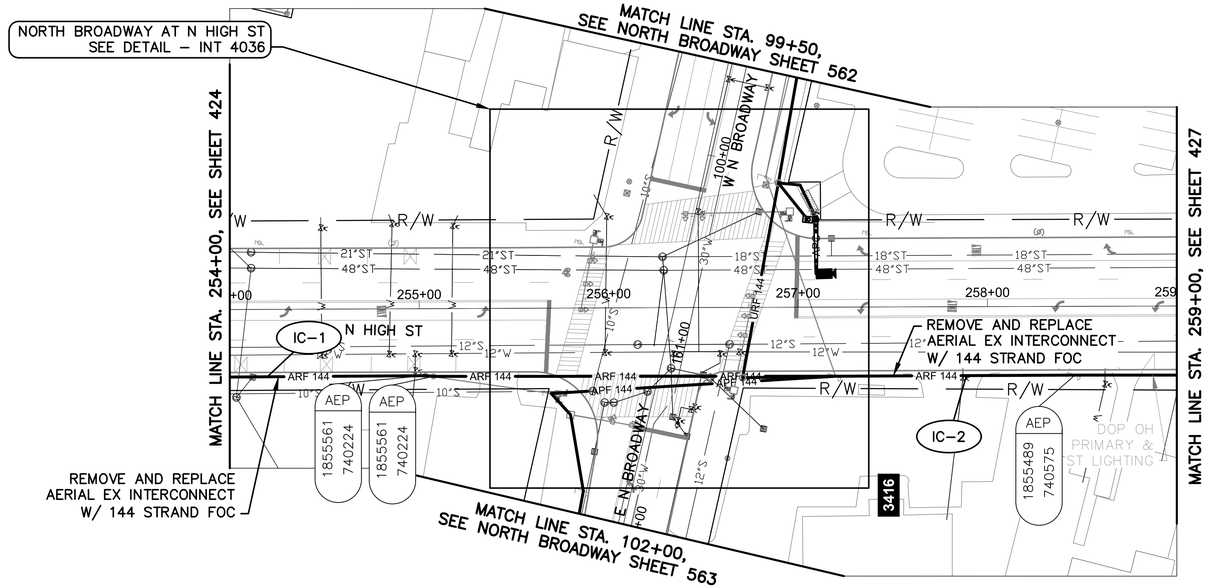
QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.

CIP: 540007–100006
PID NUMBER: 82573

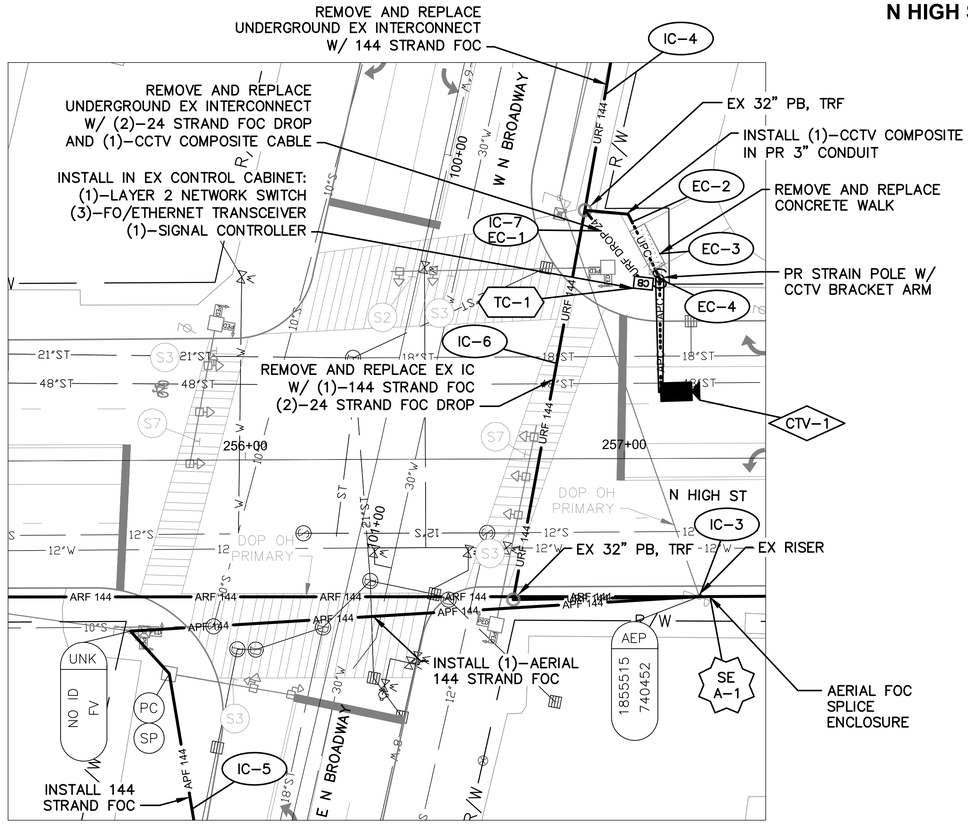
HIGH ST BETWEEN STA. 203+00 & 254+00
INTS 4006, 4009, 4032, 4033, 4034, 4035

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

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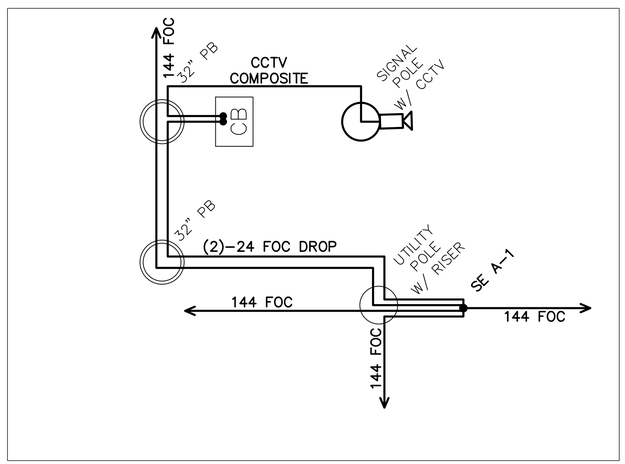


N HIGH ST BETWEEN STATION 254+00 AND 259+00



DETAIL - INT 4036

0 20 40
HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 4036
NOT TO SCALE

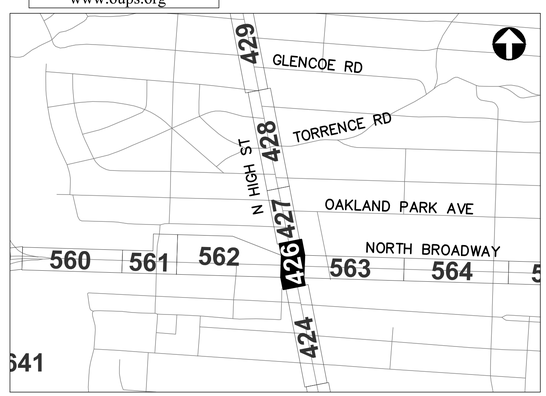
NOTES:

1. SEE SHEET 432 FOR QUANTITIES.
2. SEE SHEET 665 & 725 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 4036, PROVIDE 75' OF SLACK FROM ALL FOUR DIRECTIONS FOR THE 300' TOTAL.
4. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☐	WATER
☒	POWER
☒	LIGHTING



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

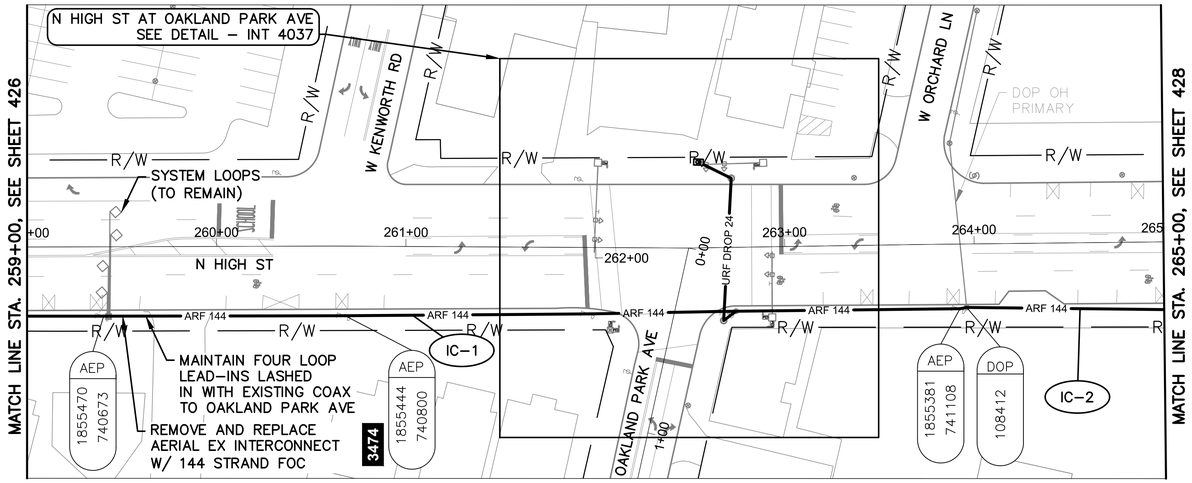
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 254+00 AND 259+00, INT 4036

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

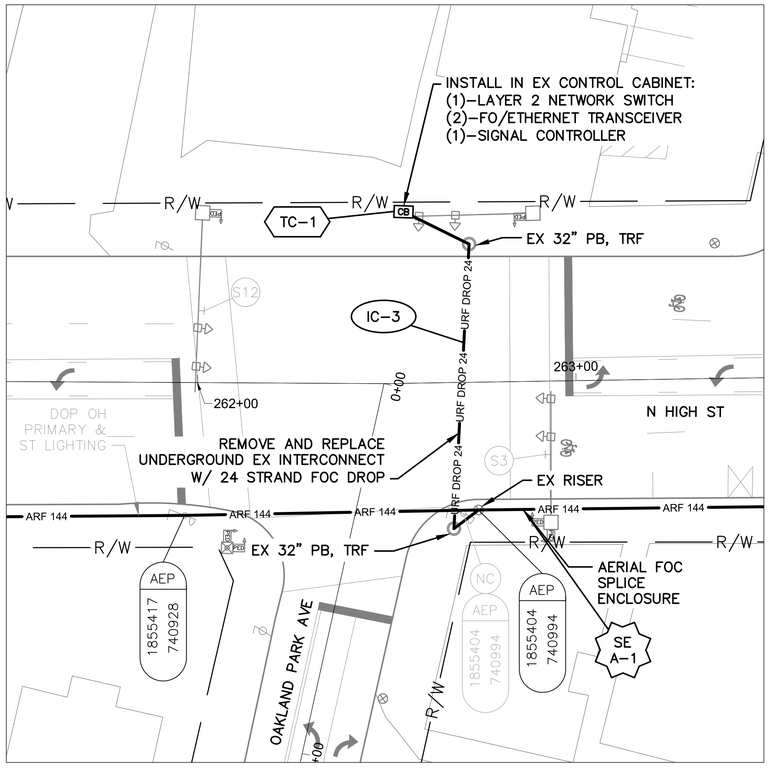
426
1000

3150-E

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N HIGH ST BETWEEN STATION 259+00 AND 265+00



DETAIL - INT 4037

0 20 40

HORIZONTAL SCALE IN FEET

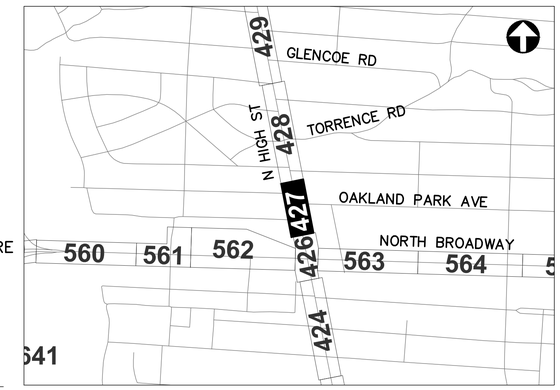
NOTES:

1. SEE SHEET 432 FOR QUANTITIES.
2. SEE SHEETS 664 & 726 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100006
PID NUMBER: 82573

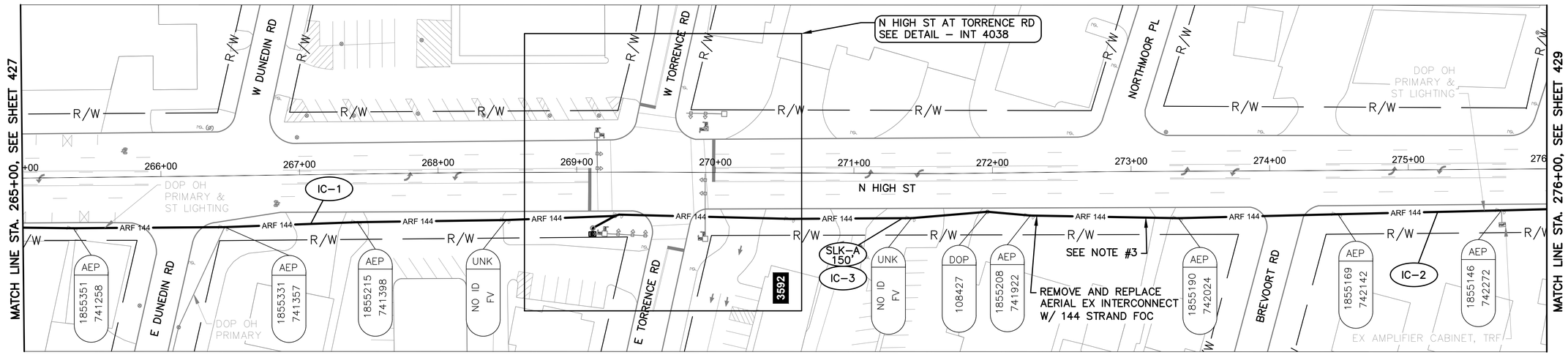
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 259+00 AND 265+00, INT 4037

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

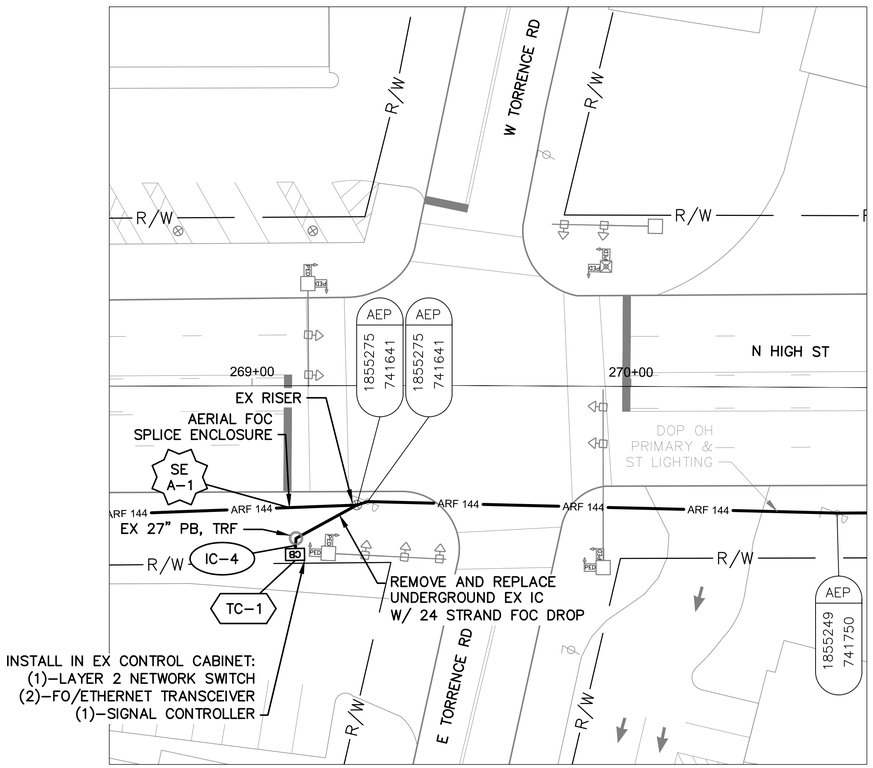
427
1000

3150-E

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N HIGH ST BETWEEN STATION 265+00 AND 276+00



DETAIL - INT 4038

0 20 40
HORIZONTAL SCALE IN FEET

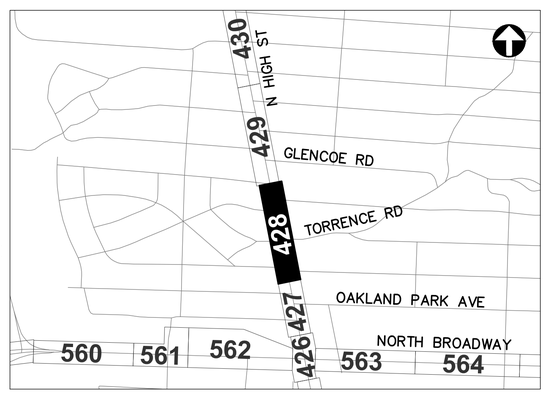
NOTES:

1. SEE SHEET 432 FOR QUANTITIES.
2. SEE SHEETS 664 & 727 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

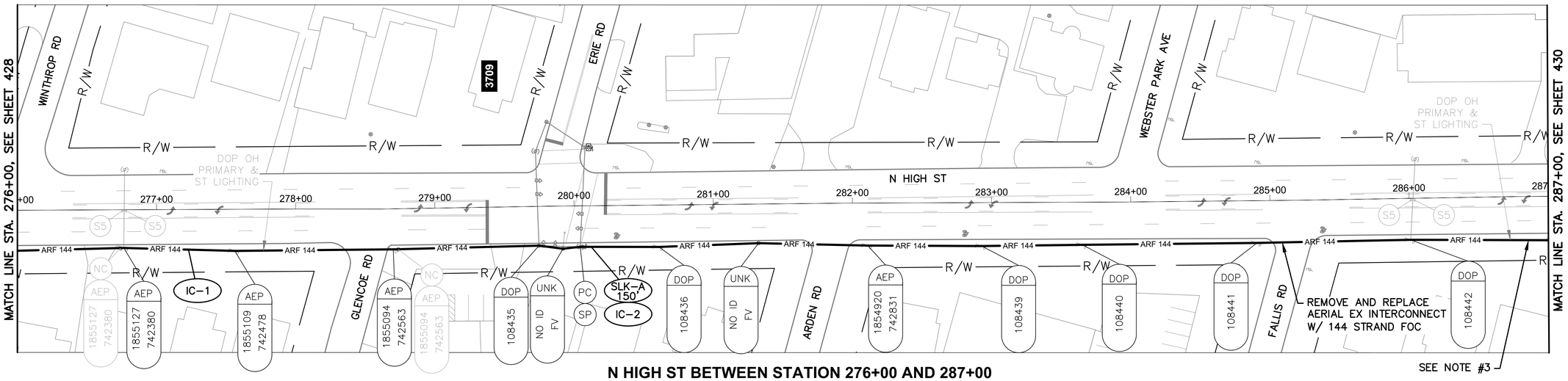
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 265+00 AND 276+00, INT 4038

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

428
1000

3150-E

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N HIGH ST BETWEEN STATION 276+00 AND 287+00

NOTES:

1. SEE SHEET 432 FOR QUANTITIES.
2. SEE SHEET 664 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

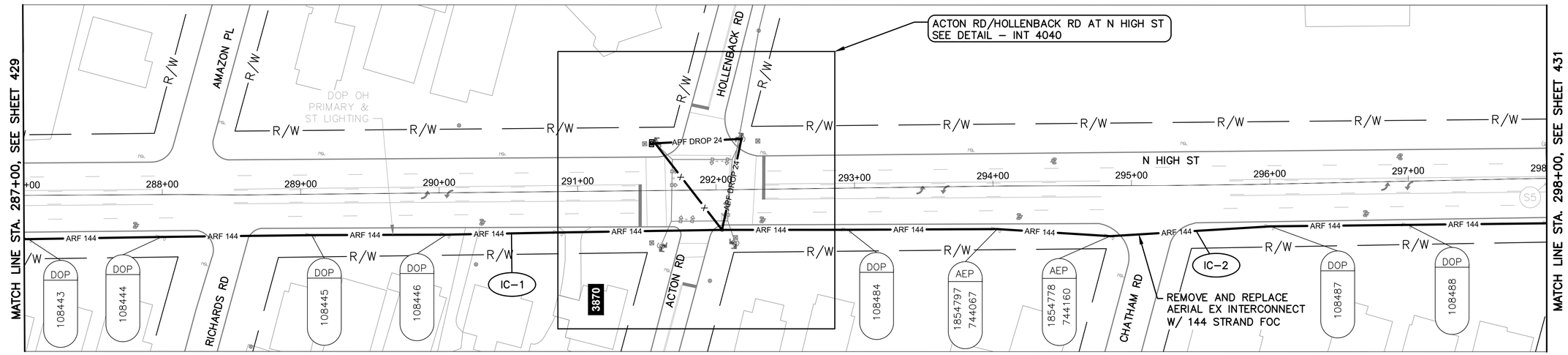
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 276+00 AND 287+00

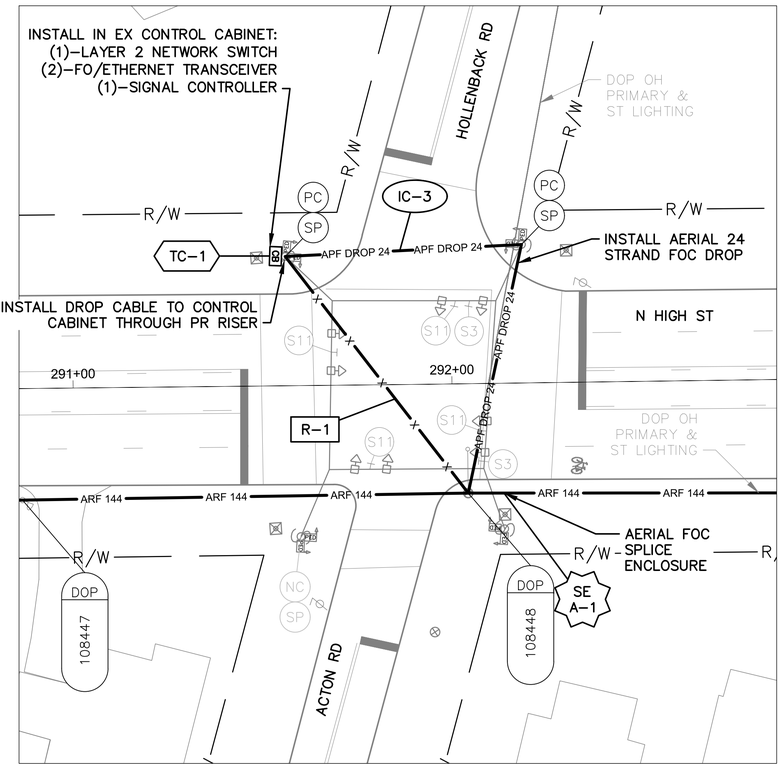
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

429
1000

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N HIGH ST BETWEEN STATION 287+00 AND 298+00



DETAIL - INT 4040

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 432 FOR QUANTITIES.
2. SEE SHEETS 664 & 728 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

☐	SEWER
☐	WATER
☒	POWER
☒	LIGHTING



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

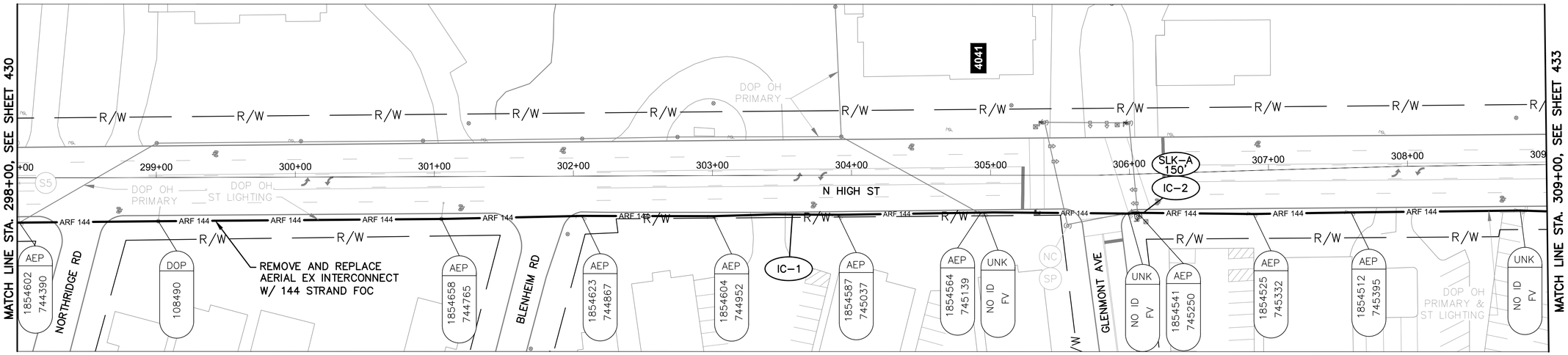
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 287+00 AND 298+00, INT 4040

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

3150-E

430
1000

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N HIGH ST BETWEEN STATION 298+00 AND 309+00

NOTES:

1. SEE SHEET 432 FOR QUANTITIES.
2. SEE SHEET 664 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 298+00 AND 309+00

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

431
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN	202 WALK REMOVED	608 8" CONCRETE WALK	625 BRACKET ARM, 30', AS PER PLAN	625 CONDUIT, 2", AS PER PLAN	625 TRENCH, 36" DEEP, AS PER PLAN	632 CONDUIT RISER, 2", 725.04, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	632 SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE	632 SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	632 STRAIN POLE, DESIGN NO. 6	632 STRAIN POLE FOUNDATION, DESIGN NO. 6	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN
					FT	SF	SF	EACH	FT	FT	EACH	FT	EACH	FT	EACH	EACH	EACH	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH
N HIGH ST. BETWEEN STA. 254+00 AND 259+00, INT 4036																											
426	IC-1	N HIGH ST	254+00, 36' RT	257+19, 36' RT								325		320					325								
426	IC-5	E NORTH BROADWAY	100+98, 98' LT	102+00, 29' RT								223							223								
426	CTV-1	N HIGH ST	255+80, 56' RT																		1						
426	EC-1	N HIGH ST	256+89, 66' LT	257+08, 47' LT																25							
426	EC-2	N HIGH ST	256+89, 66' LT	257+10, 48' LT					31	31										31							
426	IC-7	N HIGH ST	256+89, 66' LT	257+05, 46' LT	25																						
426	EC-3	N HIGH ST	257+04, 61' LT	257+10, 48' LT		50	50																				
426	EC-4	N HIGH ST	257+10, 48' LT			10		1												65		1	1				
426	IC-4	W NORTH BROADWAY	99+50, 37' LT	100+98, 98' LT	210							210															
426	IC-6	N HIGH ST	257+05, 46' LT	257+19, 36' RT															2								
426	TC-1	N HIGH ST	257+05, 46' LT																	10				2	1	1	
426	SE A-1	N HIGH ST	257+19, 36' RT																								
426	IC-2	N HIGH ST	257+19, 36' RT	259+00, 36' RT								183		183					183								
426	IC-3	N HIGH ST	257+19, 36' RT									35															
N HIGH ST. BETWEEN STA. 259+00 AND 265+00, INT 4037																											
427	IC-1	N HIGH ST	259+00, 36' RT	262+73, 34' RT								380		374					380								
427	TC-1	N HIGH ST	260+55, 43' LT																					2	1	1	
427	IC-3	N HIGH ST	260+55, 43' RT	262+73, 34' RT	103														1								
427	SE A-1	N HIGH ST	262+73, 34' RT									150	24		1												
427	IC-2	N HIGH ST	262+73, 34' RT	265+00, 36' RT								229		226					229								
N HIGH ST. BETWEEN STA. 265+00 AND 276+00, INT 4																											
428	IC-1	N HIGH ST	265+00, 36' RT	269+27, 32' RT								433		427					433								
428	TC-1	N HIGH ST	269+11, 49' RT																					2	1	1	
428	IC-4	N HIGH ST	269+11, 49' RT	269+27, 32' RT	31													1									
428	SE A-1	N HIGH ST	269+27, 32' RT									150	24		1												
428	IC-2	N HIGH ST	269+27, 32' RT	276+00, 29' RT								684		677					684								
428	IC-3	N HIGH ST	269+27, 32' RT									150															
N HIGH ST. BETWEEN STA. 276+00 AND 287+00																											
429	IC-1	N HIGH ST	276+00, 29' RT	287+00, 32' RT								1,117		1,101					1,117								
429	IC-2	N HIGH ST	280+12, 30' RT									150															
N HIGH ST. BETWEEN STA. 287+00 AND 298+00, INT 4040																											
430	IC-1	N HIGH ST	287+00, 32' RT	292+03, 29' RT								512		504					512								
430	R-1	N HIGH ST	291+56, 34' LT	292+03, 29' RT										79													
430	TC-1	N HIGH ST	291+56, 34' LT								1													2	1	1	
430	IC-3	N HIGH ST	291+56, 34' LT	292+03, 29' RT															1	130							
430	SE A-1	N HIGH ST	292+03, 29' RT									150	24		1												
430	IC-2	N HIGH ST	292+03, 29' RT	298+00, 32' RT								605		596					605								
N HIGH ST. BETWEEN STA. 298+00 AND 309+00																											
431	IC-1	N HIGH ST	298+00, 32' RT	309+00, 34' RT								1,120		1,104					1,120								
431	IC-2	N HIGH ST	306+09, 28' RT									150															
SHEET TOTAL					369	60	50	1	31	31	1	7,255	384	5,584	3	1	1	4	5,940	131	1	1	1	8	4	4	

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

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

3150-E

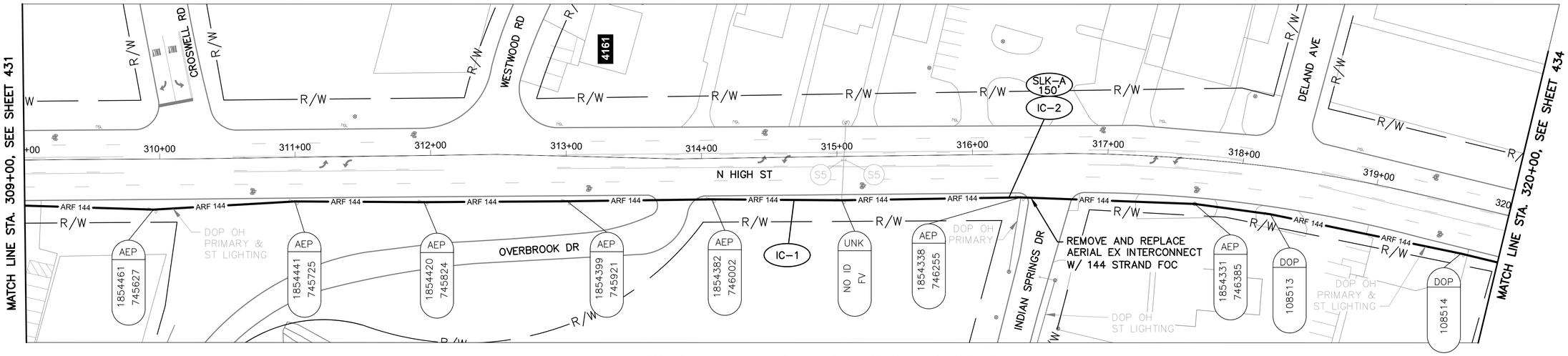
CIP: 540007–100006
PID NUMBER: 82573

HIGH ST BETWEEN STA. 254+00 & 309+00
INTS 4036, 4037, 4038, 4040

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

432
1000

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N HIGH ST BETWEEN STATION 309+00 AND 320+00

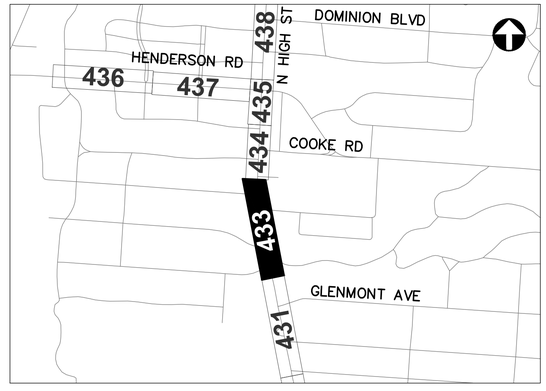
NOTES:

1. SEE SHEET 440 FOR QUANTITIES.
2. SEE SHEET 664 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

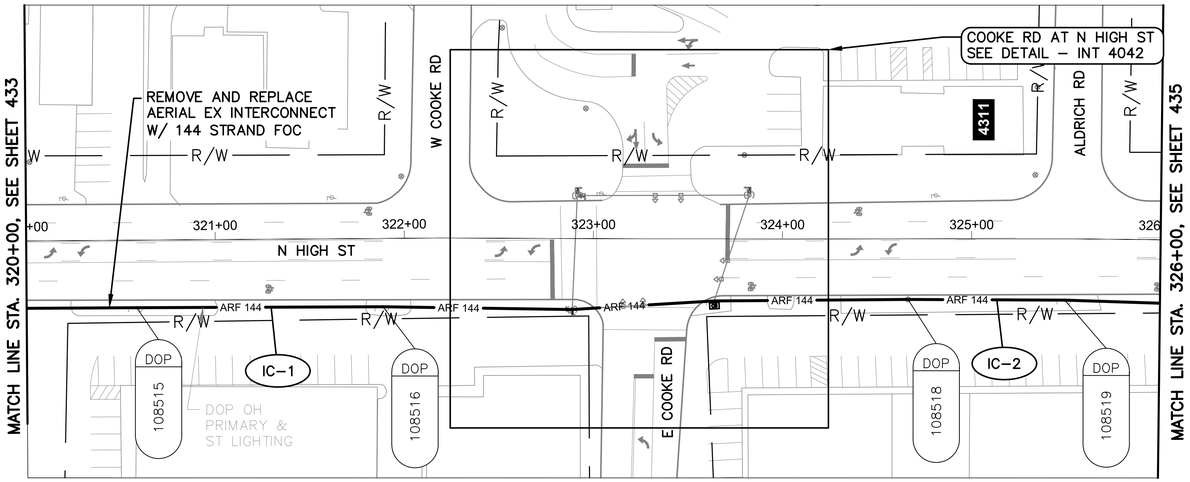
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PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 309+00 AND 320+00

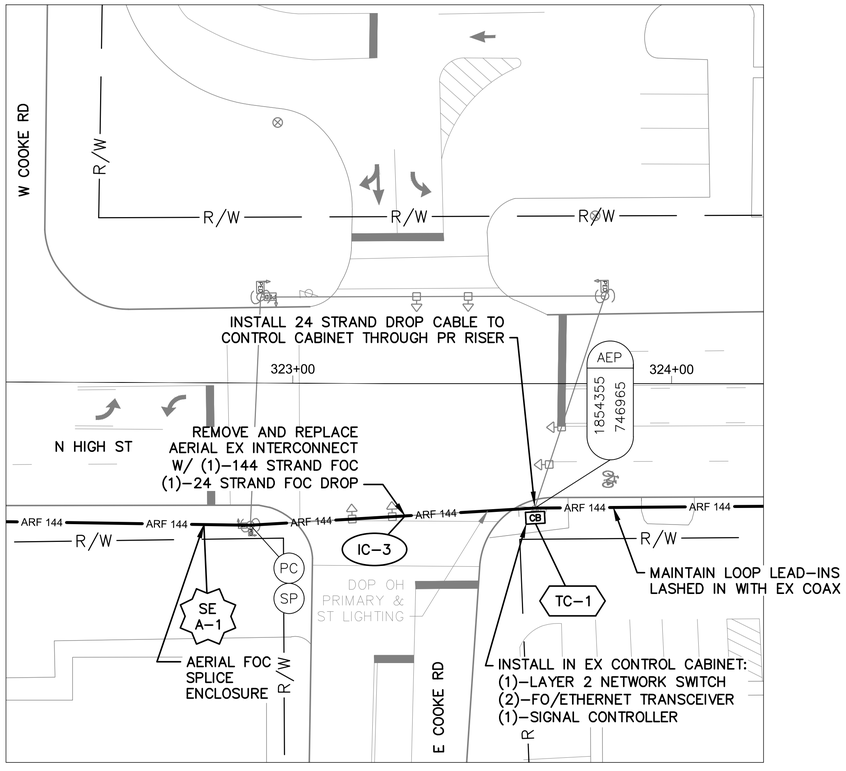
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

433
1000

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N HIGH ST BETWEEN STATION 320+00 AND 326+00



DETAIL - INT 4042

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 440 FOR QUANTITIES.
2. SEE SHEETS 664 & 729 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 UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

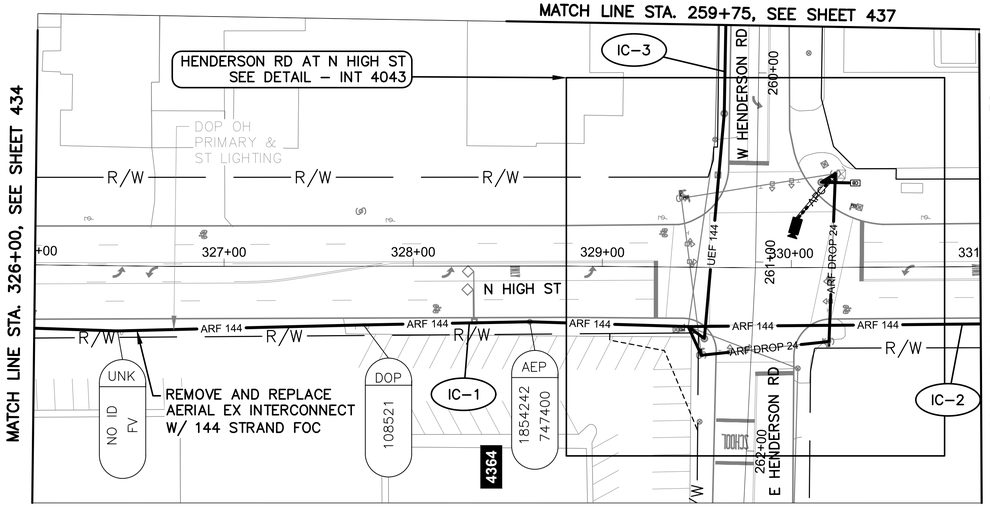
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 320+00 AND 326+00, INT 4042

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

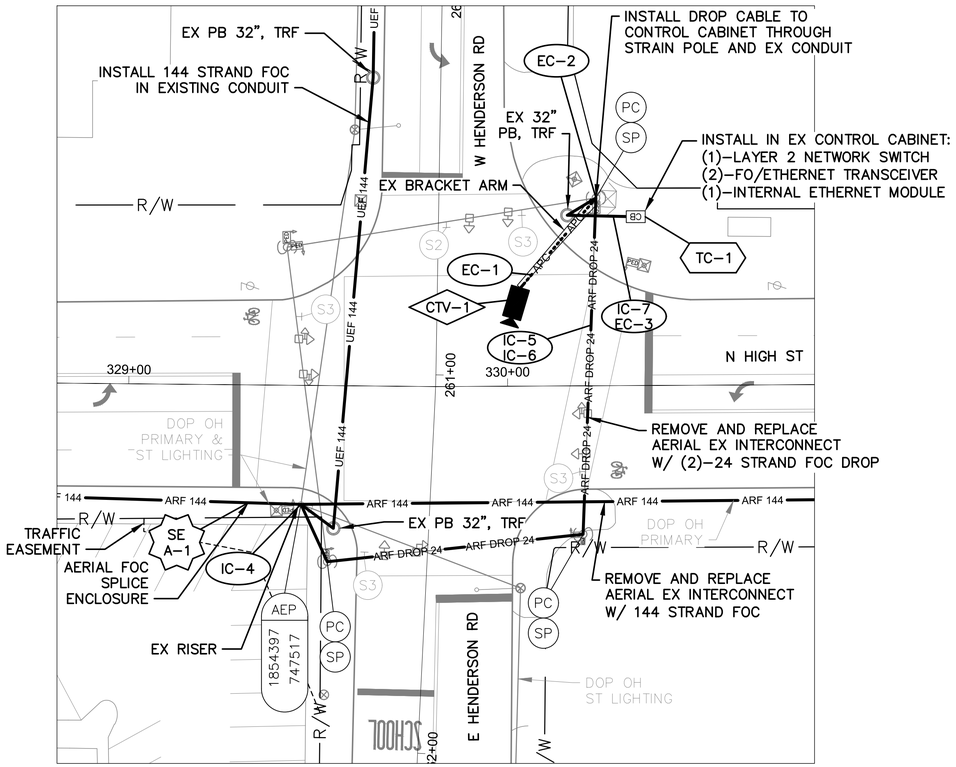
434
1000

3150-E

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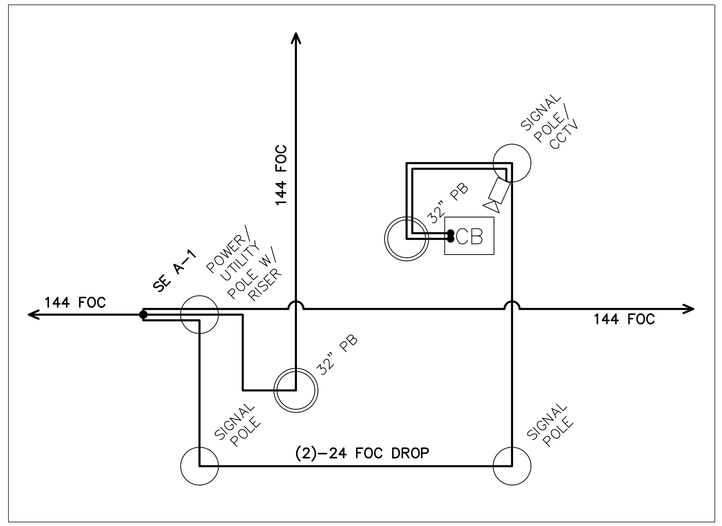


N HIGH ST BETWEEN STATION 326+00 AND 331+00



DETAIL - INT 4043

0 20 40
HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 4043
NOT TO SCALE

NOTES:

1. SEE SHEET 440 FOR QUANTITIES.
2. SEE SHEETS 664 & 730 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 4043, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.

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www.oups.org

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

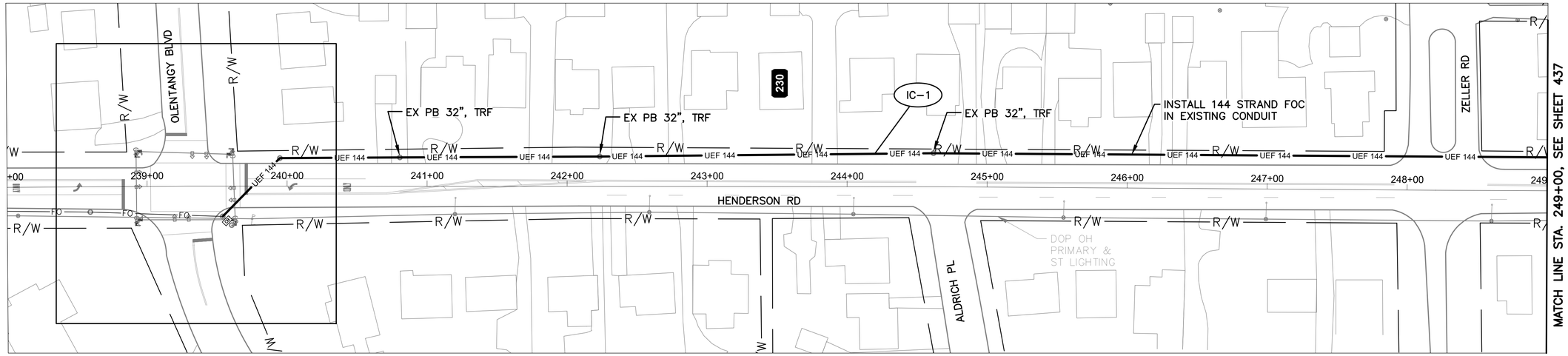
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 326+00 AND 331+00, INT 4043

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

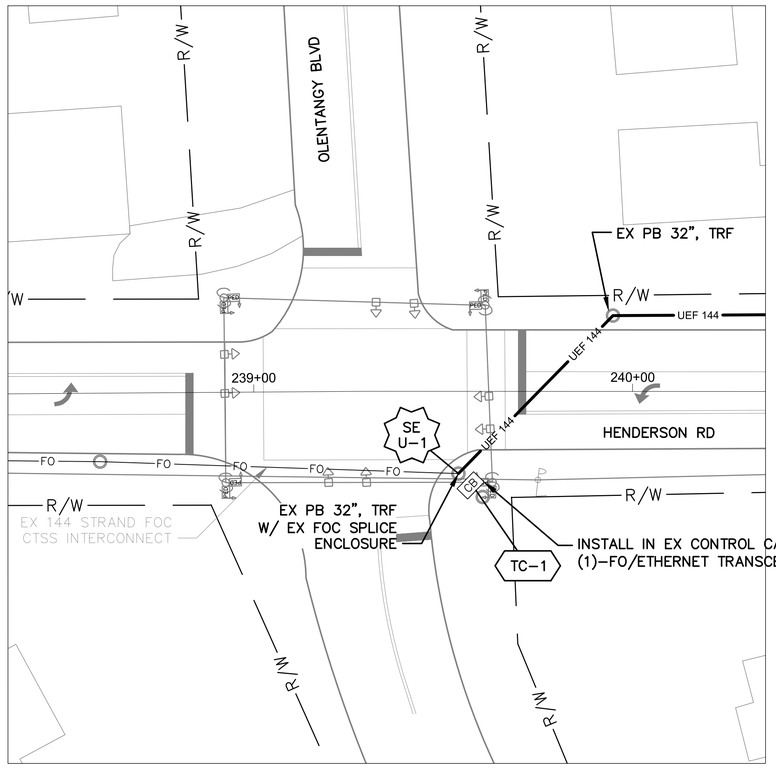
435
1000

3150-E

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HENDERSON RD BETWEEN STATION 238+00 AND 249+00



DETAIL - INT 4108

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 440 FOR QUANTITIES.
2. SEE SHEETS 664 & 731 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 348 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

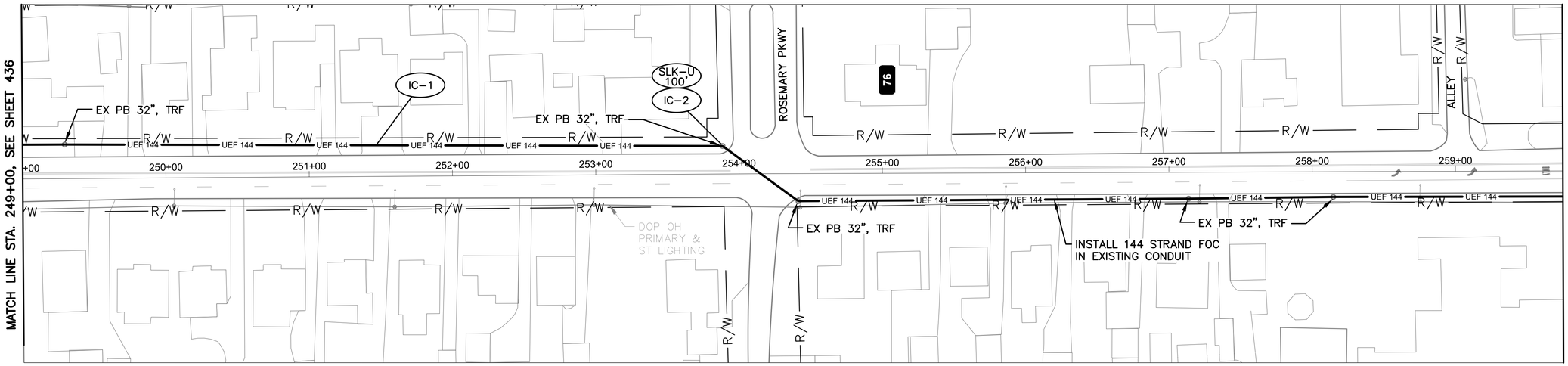
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PID NUMBER: 82573

INTERCONNECT PLAN
HENDERSON RD BETWEEN STA. 238+00 AND 249+00

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

436
1000

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HENDERSON RD BETWEEN STATION 249+00 AND 259+75

NOTES:

1. SEE SHEET 440 FOR QUANTITIES.
2. SEE SHEET 664 FOR COMMUNICATION DETAILS.



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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www.oups.org

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

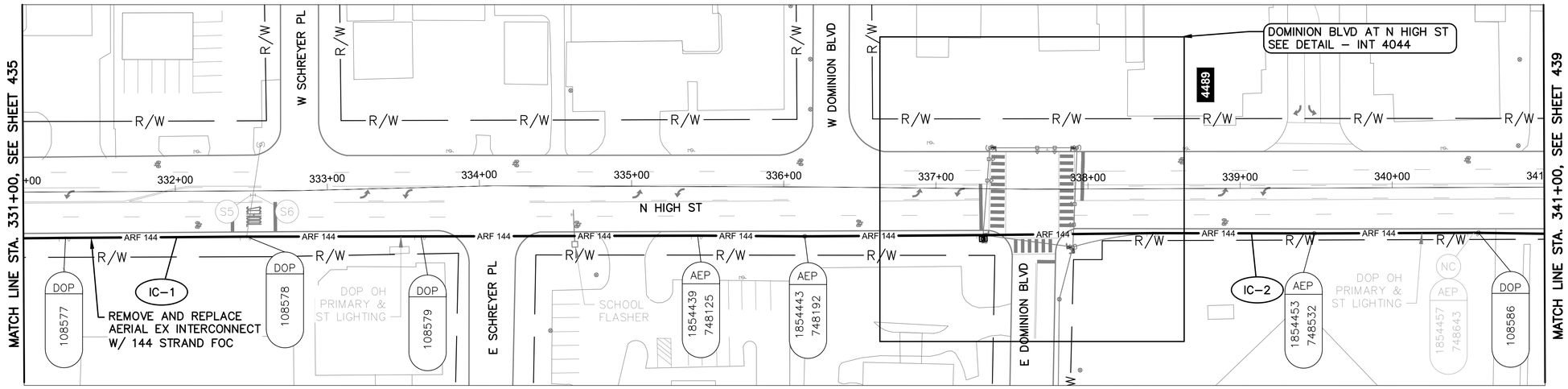
INTERCONNECT PLAN
HENDERSON RD BETWEEN STA. 249+00 AND 259+75

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

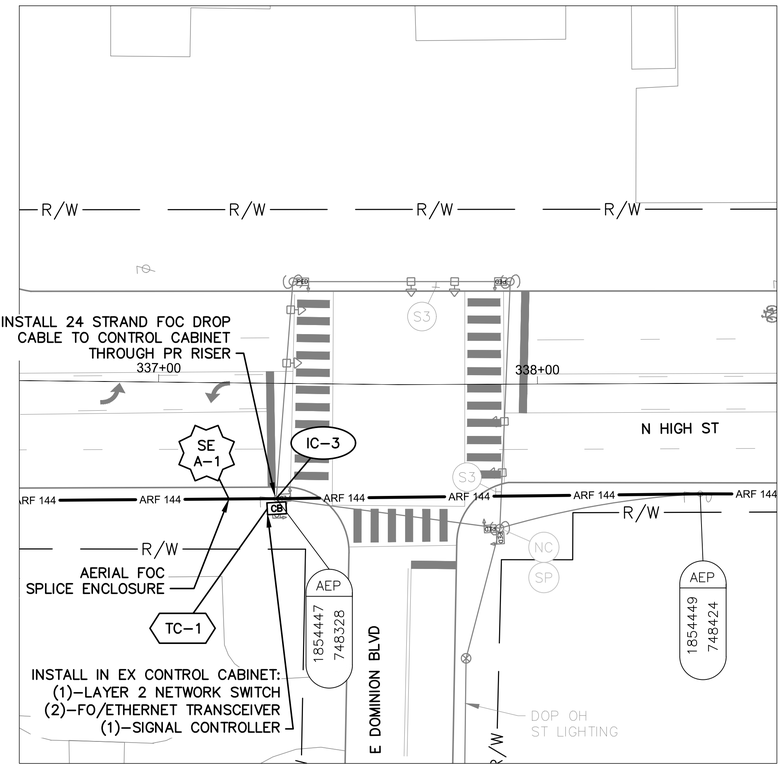
3150-E

437
1000

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N HIGH ST BETWEEN STATION 331+00 AND 341+00



DETAIL - INT 4044

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 440 FOR QUANTITIES.
2. SEE SHEETS 664 & 732 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 4043, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

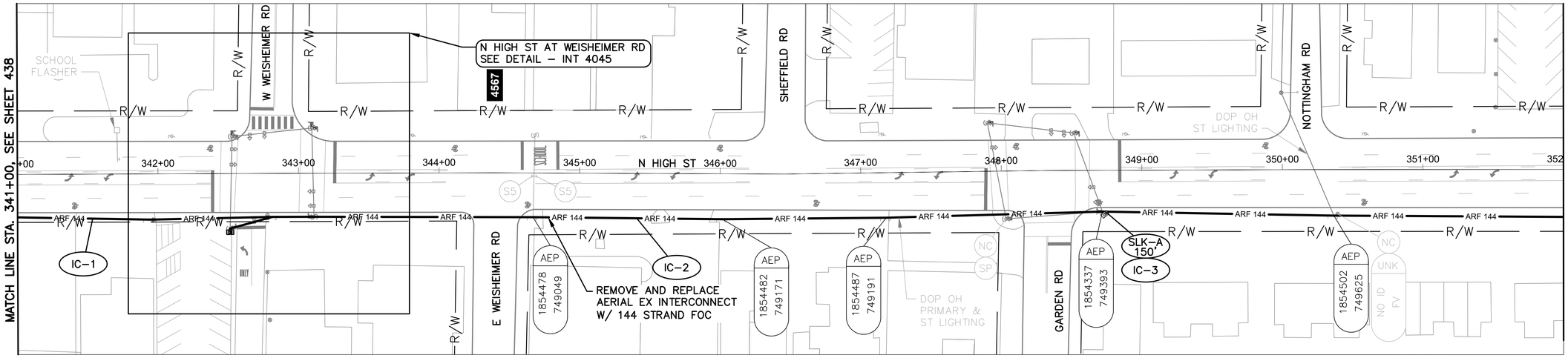
INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 331+00 AND 341+00, INT 4044

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

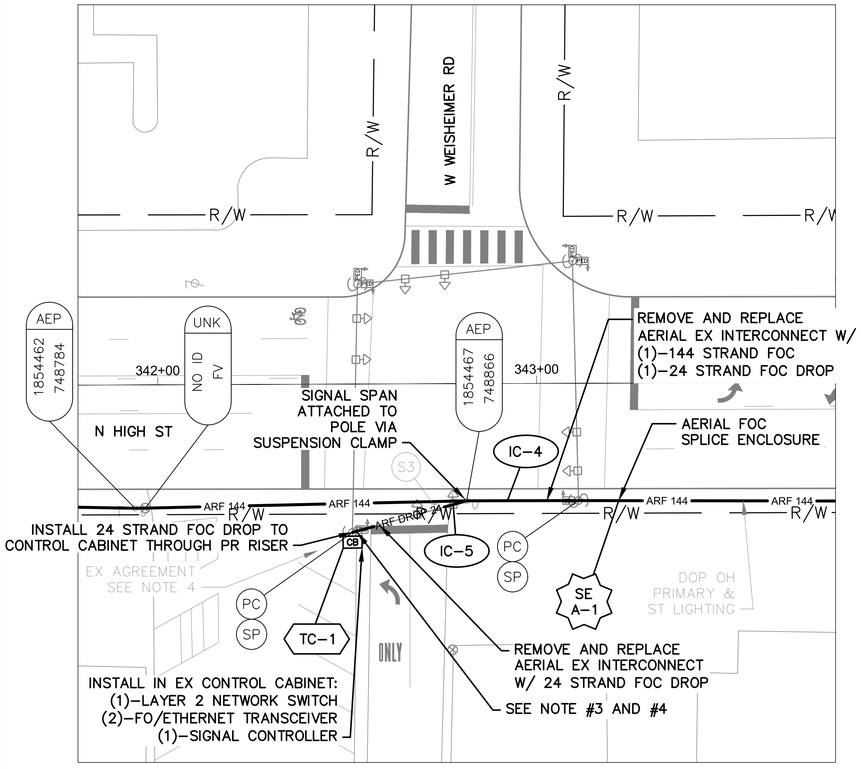
438
1000

3150-E

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N HIGH ST BETWEEN STATION 341+00 AND 352+00



DETAIL - INT 4045

0 20 40

HORIZONTAL
SCALE IN FEET

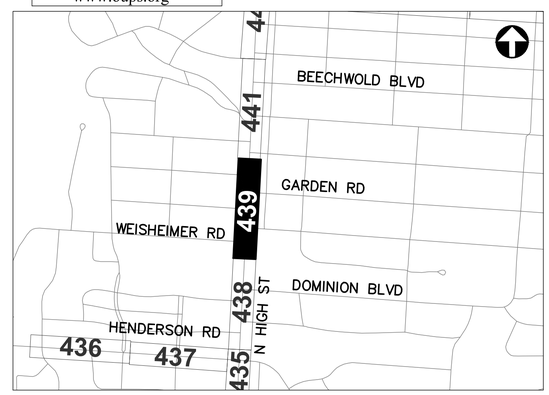
NOTES:

1. SEE SHEET 440 FOR QUANTITIES.
2. SEE SHEETS 664 & 733 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. A SIGNAL AGREEMENT EXISTS, RESOLUTION NUMBER 0745–03 (PASSED 10–12–2005), BETWEEN NATIONAL CITY BANK 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.
5. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 341+00 AND 352+00, INT 4045

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

439
1000

3150-E

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk3_HIGH4_INTERCONNECT.dwg – HIGH–30 layout ~ last saved by: jbeans 12/18/2019 11:08am ~ printed 03/19/2020 02:52pm

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 CLEANED, AS PER PLAN	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/ 450FT DROP CABLE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: INTERNAL ETHERNET MODULE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN					
			FROM	TO	FT	EACH	FT	EACH	FT	EACH	EACH	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH					
N HIGH ST. BETWEEN STA. 309+00 AND 320+00																								
433	IC-1	N HIGH ST	309+00, 34' RT	320+00, 36' RT			1,108		1,092				1,092											
433	IC-2	N HIGH ST	316+27, 32' RT				150																	
N HIGH ST. BETWEEN STA. 320+00 AND 326+00, INT 4042																								
434	IC-1	N HIGH ST	320+00, 36' RT	322+88, 39' RT			292		288				292											
434	SE A-1	N HIGH ST	322+88, 39' RT				150	24		1														
434	IC-3	N HIGH ST	322+88, 39' RT	323+63, 33' RT							1													
434	IC-2	N HIGH ST	322+88, 39' RT	326+00, 34' RT			316		311				316											
434	TC-1	N HIGH ST	323+63, 33' RT			1										2		1	1					
N HIGH ST. BETWEEN STA. 326+00 AND 331+00, INT 4043																								
435	IC-1	N HIGH ST	326+	331+ 31' R			33		4				351											
435	IC-5	N HIGH ST	329+	330 50' L									77											
435	SE A-1	N HIGH ST	329+45, 31' RT				225	228		1														
435	IC-2	N HIGH ST	329+45, 31' RT	331+00, 30' RT			157		155				157											
435	IC-3	HENDERSON RD	259+ 5, 18' RT	261+ 4' RT		77																		
435	IC-4	HENDERSON RD	261+ 6, 34' RT				35																	
435	IC-6	N HIGH ST	329+ 5, 31' RT	330 4, 45' LT																				
435	CTV-1	N HIGH ST	330+ 3, 2 LT												1									
435	EC-1	N HIGH ST	330+03, 26' LT	330+23, 50' LT										30										
435	EC-2	N HIGH ST	330+23, 50' LT											35										
435	IC-7	HIGH ST	30+ 50' LT	330+34, 2 LT																				
435	EC-3	ST	30+ 3, 0' LT	330+34, 4 LT										2										
435	TC-1	HIGH ST	30+ 4, 4 LT													2	1	1						
HENDERSON RD. BETWEEN STA 238+00 AND 249+00, INT 4108																								
436	IC-1	HENDERSON RD	238+54, 21' RT	249+00, 24' LT	904		904																	
436	SE U-1	HENDERSON RD	239+54, 2' RT				5	156																
436	TC-1	HENDERSON RD	239+57, 7' RT													1								
HENDERSON RD. BETWEEN STA. 249+00 AND 259+75																								
437	IC-1	HENDERSON RD	249+00, 24' LT	259+75, 18' RT	1,088		1,088																	
437	IC-2	HENDERSON RD	253+ 9, 1 T				0																	
N HIGH ST. BETWEEN STA. 331+00 AND 341+00, INT 4044																								
438	IC-1	N HIGH ST	331+00, 30' RT	337+31, 30' RT			640		631				640											
438	SE A-1	N HIGH ST	337+31, 30' RT				150	24		1														
438	IC-3	N HIGH ST	337+31, 30' RT	337+31, 30' RT							1													
438	TC-1	N HIGH ST	337+31, 30' RT			1										2		1	1					
438	IC-2	N HIGH ST	337+31, 30' RT	341+00, 31' RT			375		369				375											
N HIGH ST. BETWEEN STA. 341+00 AND 352+00, INT 4045																								
439	IC-1	N HIGH ST	341+00, 31' RT	343+10, 31' RT			214		211				214											
439	TC-1	N HIGH ST	342+51, 39' RT			1										2		1	1					
439	IC-5	N HIGH ST	342+51, 39' RT	342+81, 31' RT					31				31											
439	IC-4	N HIGH ST	342+51, 39' RT	343+10, 31' RT							1													
439	SE A-1	N HIGH ST	343+10, 31' RT				150	24		1														
439	IC-2	N HIGH ST	343+10, 31' RT	352+00, 34' RT			902		889				902											
439	IC-3	N HIGH ST	348+74, 30' RT				150																	
SHEET TOTAL					2,261	3	7,769	456	4,497	4	3	2	4,547	107	1	9	1	4	3	-	-	-	-	-

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

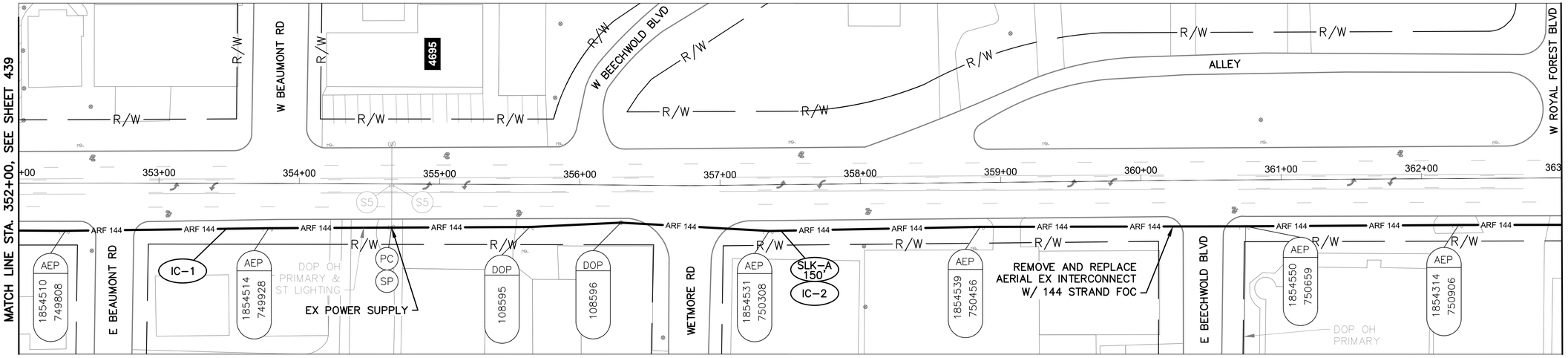
QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.

CIP: 540007–100006
PID NUMBER: 82573

HIGH ST BTW 309+00 & 352+00, HENDERSON RD BTW 238+00 & 259+75
INTS 4042, 4043, 4108, 4044, 4045

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

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk3_HIGH_JC_QUANTITIES.dwg – HIGH–Q7 layout – last saved by: sdlowry 09/07/2016 01:11pm – printed 03/19/2020 02:53pm



N HIGH ST BETWEEN STATION 352+00 AND 363+00

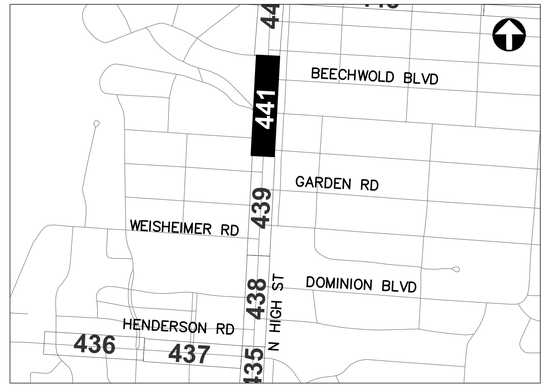
NOTES:

1. SEE SHEET 447 FOR QUANTITIES.
2. SEE SHEET 664 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

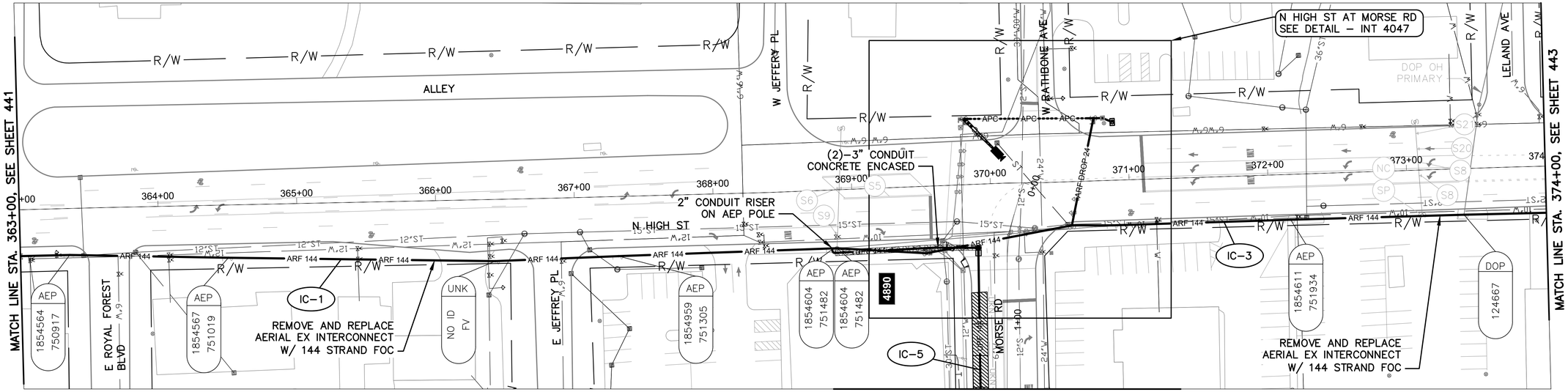
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 352+00 AND 363+00

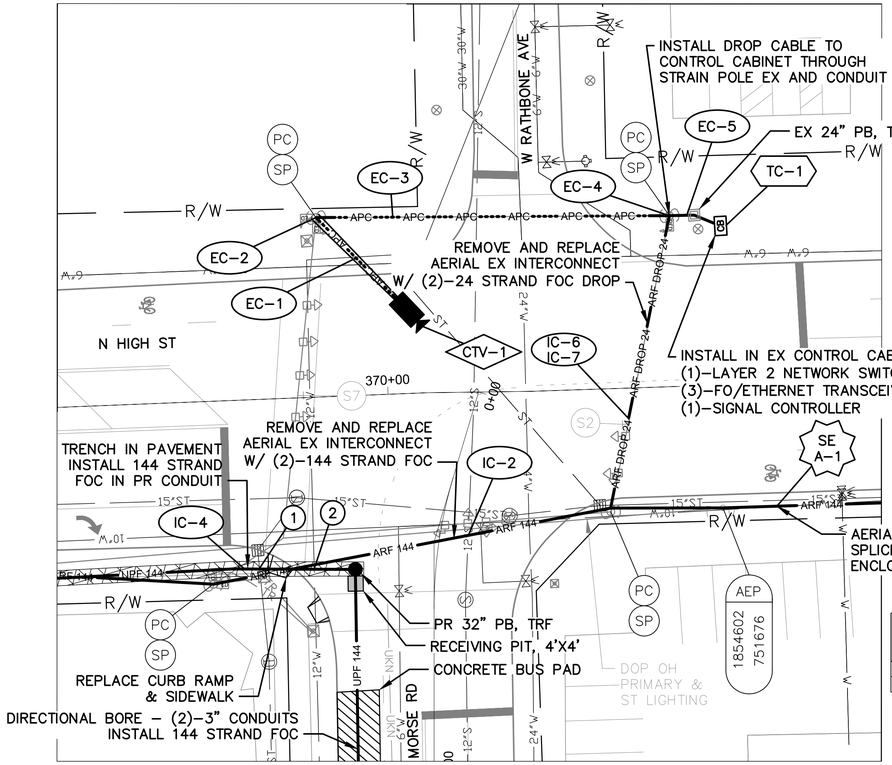
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

441
1000

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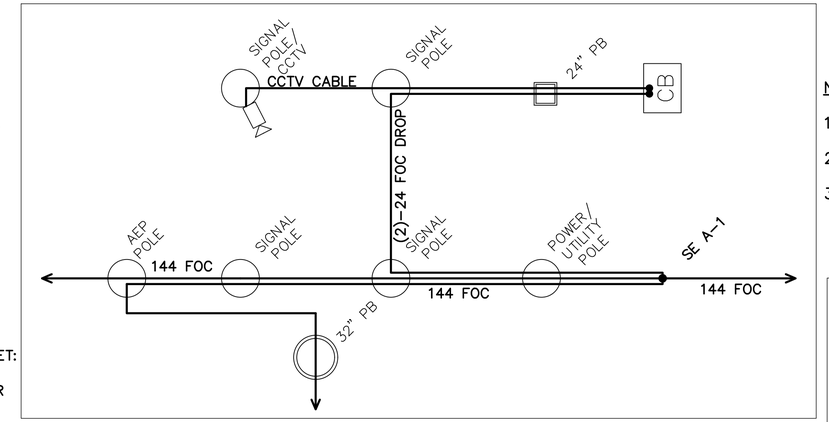


N HIGH ST BETWEEN STATION 363+00 AND 374+00



DETAIL - INT 4047

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 4047

NOT TO SCALE

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
1	0+51, 46' RT	8" STORM	804.6 CS	807.3 LEVB	805.6 *(+)	1.0	CC13257
2	0+50, 32' RT	12" WATER	802.2 LEVA	807.2 LEVA	804.2	2.0	LOCATED BY TEST HOLE (CTP0582-040)

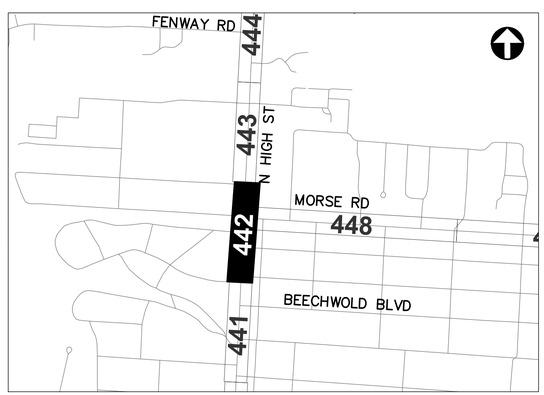
LEVA: FIELD VERIFIED ELEVATION, LEVEL A SUE
LEVB: FIELD VERIFIED ELEVATION, LEVEL B SUE
CS: ELEVATION CALCULATED USING INVERT FROM SURVEY
*(+): PROPOSED CONDUIT HAS BEEN ADJUSTED ABOVE THE TOP OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'
*(–): PROPOSED CONDUIT HAS BEEN ADJUSTED BELOW THE BOTTOM OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'

NOTES:

1. SEE SHEET 447 FOR QUANTITIES.
2. SEE SHEETS 664 & 734 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL SCALE IN FEET

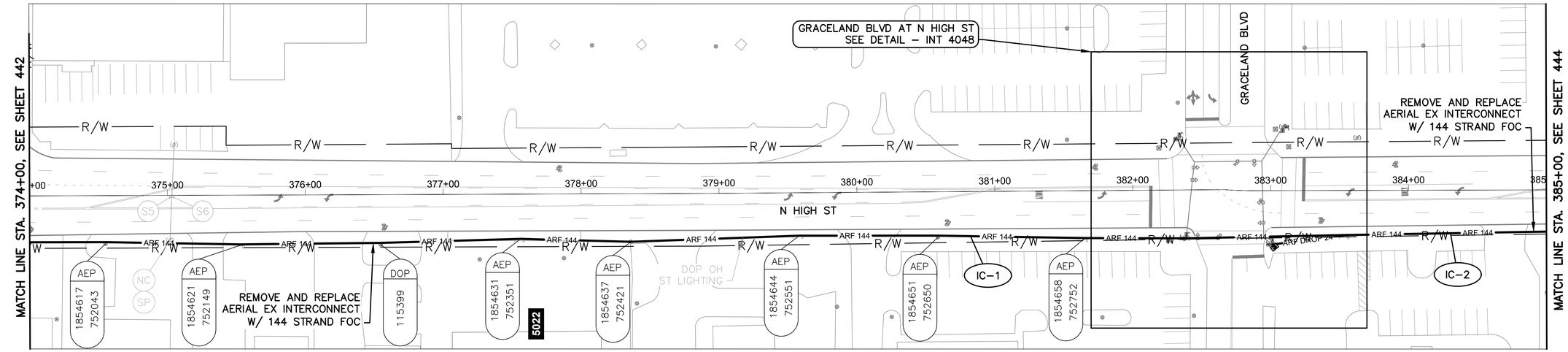
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 363+00 AND 374+00, INT 4047

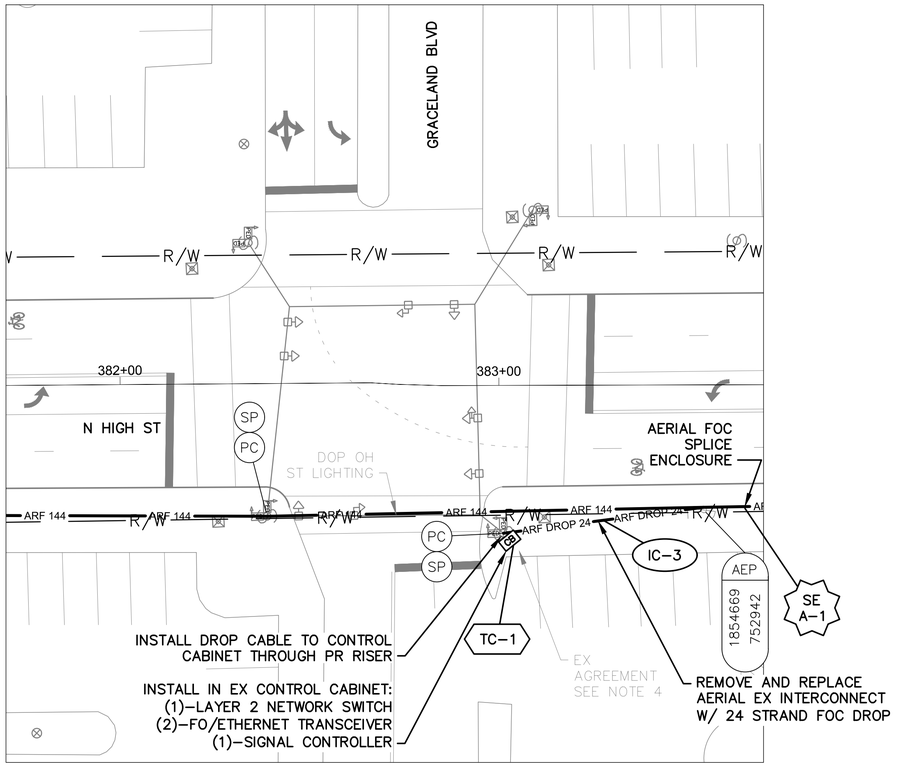
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

442
1000

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N HIGH ST BETWEEN STATION 374+00 AND 385+00



DETAIL - INT 4048

0 20 40
HORIZONTAL SCALE IN FEET

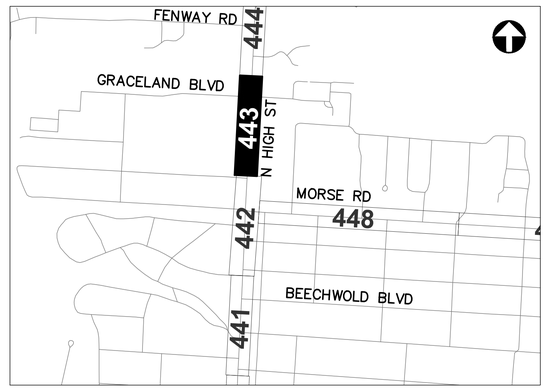
NOTES:

1. SEE SHEET 447 FOR QUANTITIES.
2. SEE SHEETS 664 & 737 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. A SIGNAL AGREEMENT EXISTS, RESOLUTION NUMBER 0745–03 (PASSED 10–18–2005), BETWEEN GRACELAND SHOPPERS LIMITED PARTNERSHIP 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.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL SCALE IN FEET

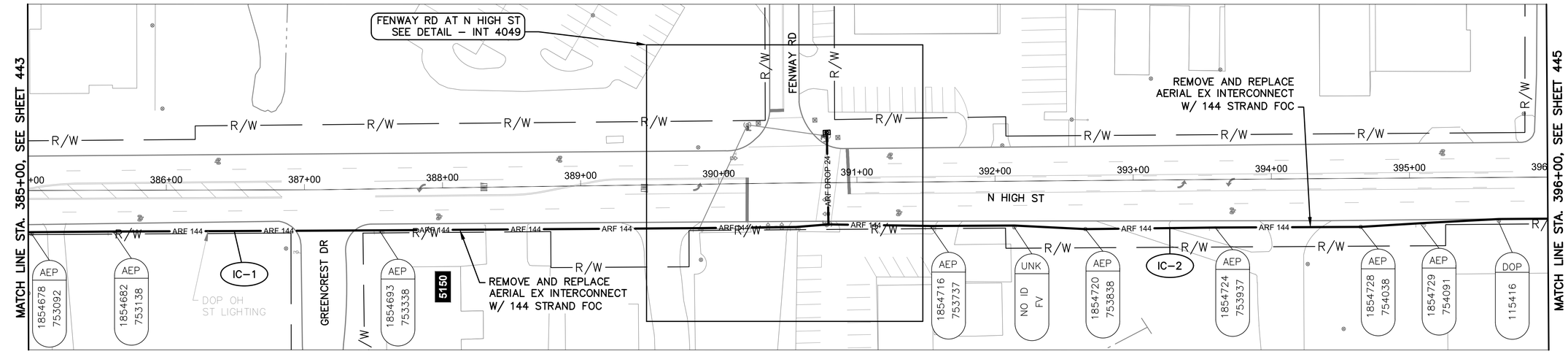
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PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 374+00 AND 385+00, INT 4048

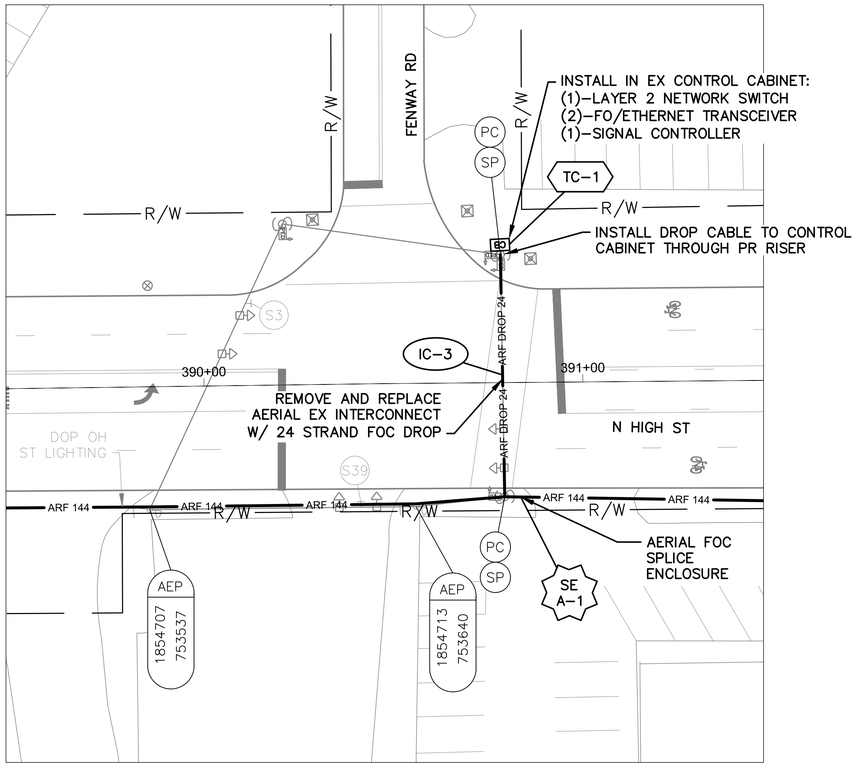
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

443
1000

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N HIGH ST BETWEEN STATION 385+00 AND 396+00



DETAIL - INT 4049

0 20 40
HORIZONTAL SCALE IN FEET

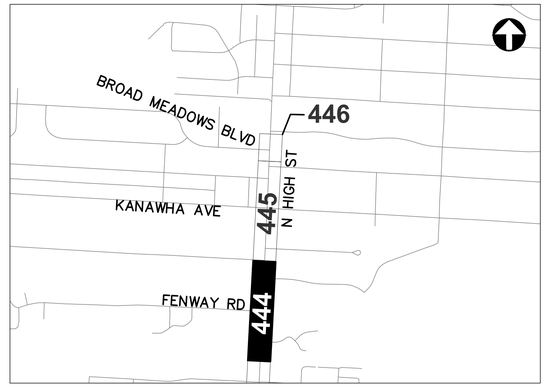
NOTES:

1. SEE SHEET 447 FOR QUANTITIES.
2. SEE SHEETS 664 & 738 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 UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL SCALE IN FEET

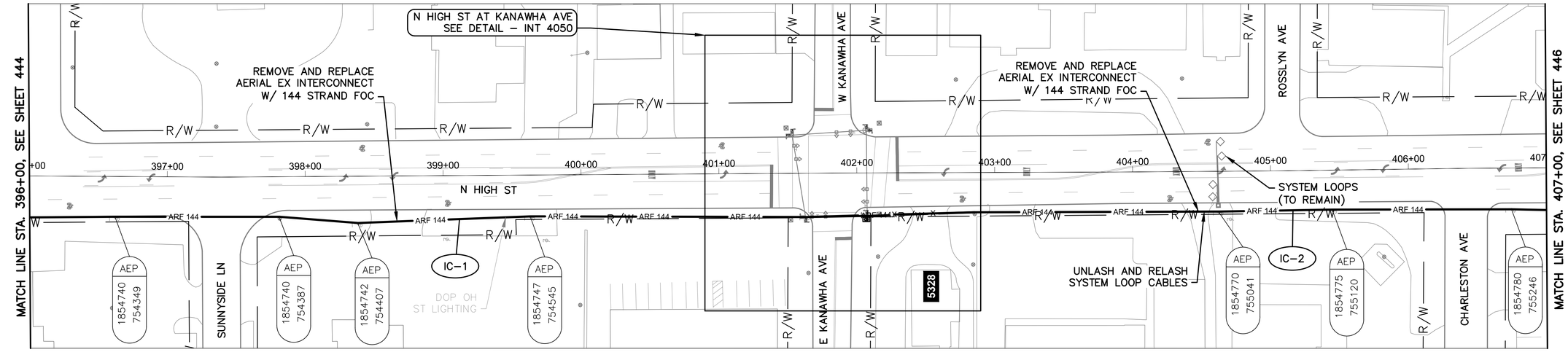
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PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 385+00 AND 396+00, INT 4049

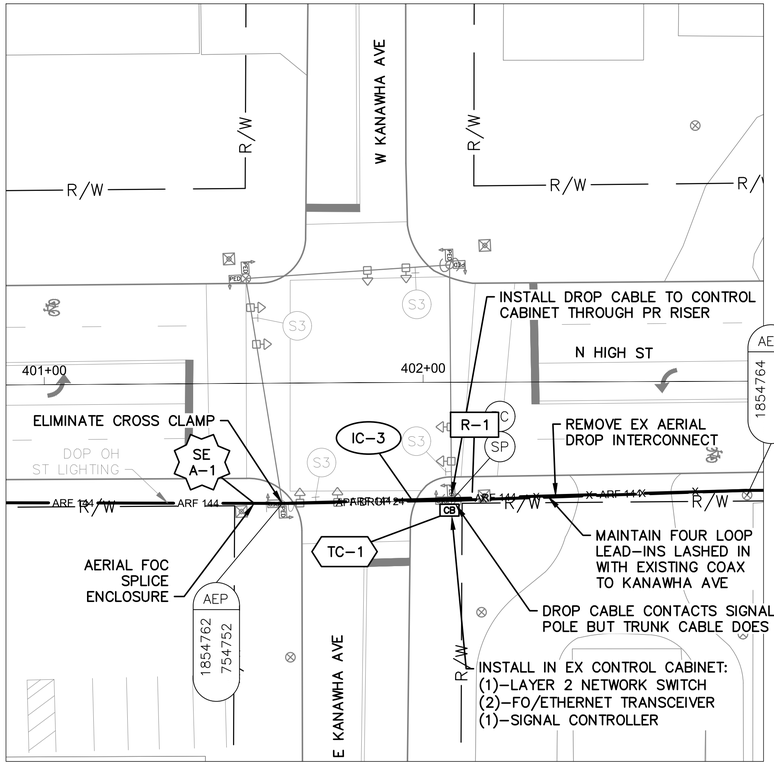
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

444
1000

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N HIGH ST BETWEEN STATION 396+00 AND 407+00



DETAIL - INT 4050

0 20 40
HORIZONTAL
SCALE IN FEET

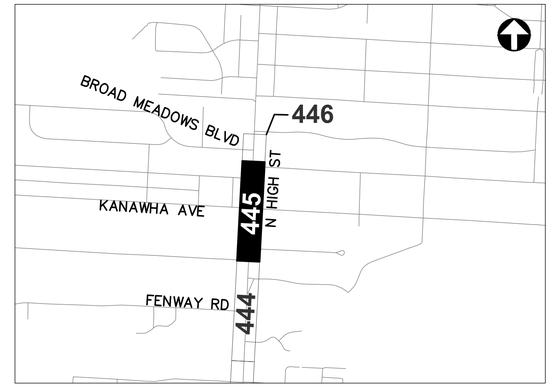
NOTES:

1. SEE SHEET 447 FOR QUANTITIES.
2. SEE SHEETS 664 & 739 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 UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

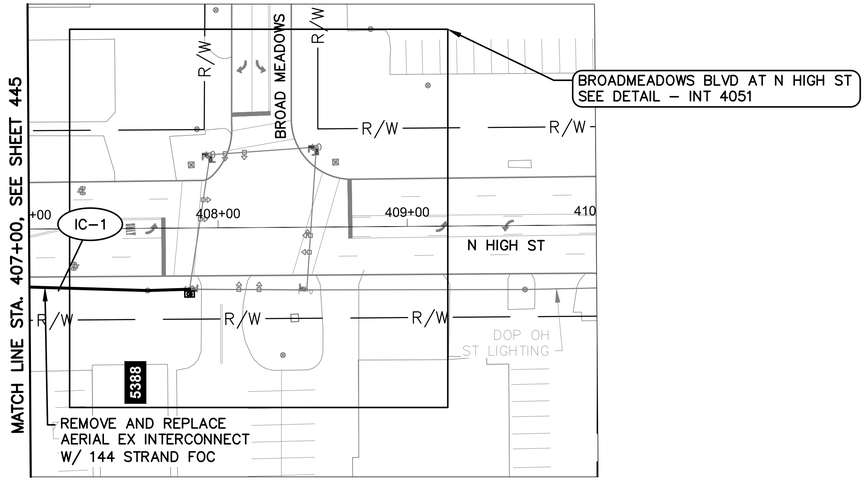
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PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 396+00 AND 407+00, INT 4050

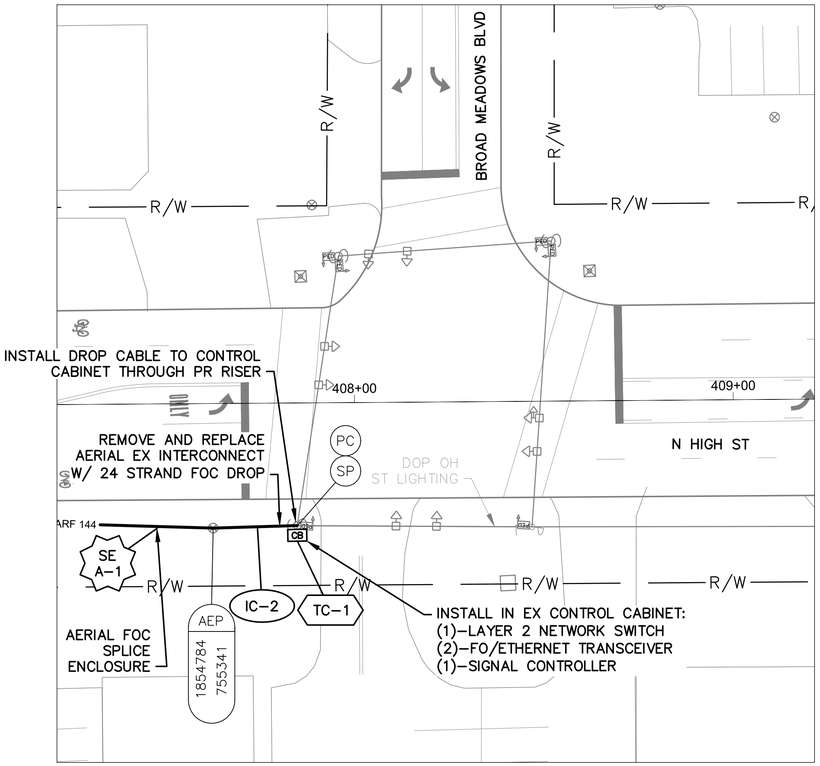
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

445
1000

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N HIGH ST BETWEEN STATION 407+00 AND 410+00



DETAIL - INT 4051

0 20 40
HORIZONTAL
SCALE IN FEET

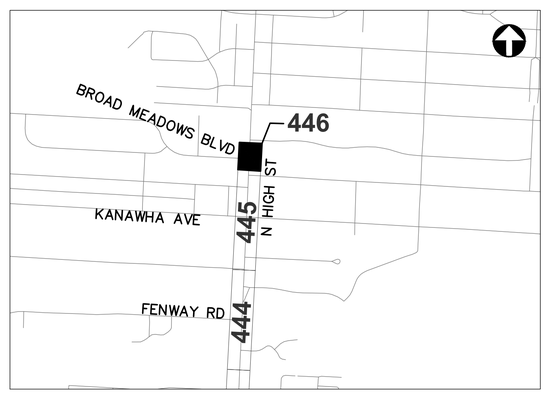
NOTES:

1. SEE SHEET 447 FOR QUANTITIES.
2. SEE SHEETS 664 & 740 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 UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
N HIGH ST BETWEEN STA. 407+00 AND 410+00, INT 4051

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

446
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk3_HIGH4_INTERCONNECT.dwg ~ HIGH–36 layout ~ last saved by: jbeans 12/18/2019 11:08am ~ printed 03/19/2020 03:05pm

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN FT	625 BRACKET ARM, 30', AS PER PLAN EACH	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	632 SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE FT	632 SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM EACH	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH EACH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN EACH
N HIGH ST. BETWEEN STA. 352+00 AND 363+00																				
441	IC-1	N HIGH ST	352+00, 34' RT	363+00, 33' RT				1,117		1,100				1,100						
441	IC-2	N HIGH ST	357+43, 33' RT					150												
N HIGH ST. BETWEEN STA. 363+00 AND 374+00, INT 4047																				
442	IC-1	N HIGH ST	363+00, 33' RT	369+92, 45' RT				704		694				704						
442	IC-4	MORSE RD	0+50, 80' RT	1+50, 31' RT				106						106						
442	EC-2	N HIGH ST	369+83, 47' LT			1														
442	EC-1	N HIGH ST	369+83, 47' LT	370+03, 25' LT											30					
442	IC-2	N HIGH ST	369+92, 45' RT	370+87, 32' RT				195		96				97						
442	CTV-1	N HIGH ST	370+03, 25' LT													1				
442	EC-3	N HIGH ST	370+03, 25' LT	370+75, 45' RT										93	93					
442	EC-4	N HIGH ST	370+75, 45' RT												35					
442	EC-5	N HIGH ST	370+75, 45' LT	370+89, 42' LT	19										15					
442	IC-5	N HIGH ST	370+75, 45' RT	370+87, 32' RT						117				119						
442	SE A-1	N HIGH ST	370+87, 32' RT					225	228		1									
442	IC-3	N HIGH ST	370+87, 32' RT	374+00, 36' RT				317		312				317						
442	IC-6	N HIGH ST	370+87, 32' RT	374+00, 32' LT																
442	TC-1	N HIGH ST	370+89, 42' LT												10		2	1	1	
N HIGH ST. BETWEEN STA. 374+00 AND 385+00, INT 4048																				
443	IC-1	N HIGH ST	374+00, 36' RT	383+54, 35' RT				968		954				968						
443	TC-1	N HIGH ST	383+00, 39' RT				1											1		
443	IC-3	N HIGH ST	383+01, 37' RT	383+54, 35' RT				53		53				53						
443	SE A-1	N HIGH ST	383+54, 35' RT					150	24		1									
443	IC-2	N HIGH ST	383+54, 35' RT	385+00, 35' RT				148		146				148						
N HIGH ST. BETWEEN STA. 385+00 AND 396+00, INT 4049																				
444	IC-1	N HIGH ST	385+00, 35' RT	390+79, 30' RT				589		580				589						
444	TC-1	N HIGH ST	390+78, 34' LT				1										2	1	1	
444	IC-3	N HIGH ST	390+78, 34' LT	390+79, 30' RT						64		1		65						
444	SE A-1	N HIGH ST	390+79, 30' RT					150	24		1									
444	IC-2	N HIGH ST	390+79, 30' RT	396+00, 35' RT																
N HIGH ST. BETWEEN STA. 396+00 AND 407+00, INT 4050																				
445	IC-1	N HIGH ST	396+00, 35' RT	401+63, 35' RT				571		565				571						
445	IC-2	N HIGH ST	401+63, 35' RT	407+00, 33' RT				545		537				545						
445	IC-3	N HIGH ST	401+63, 35' RT	402+09, 31' RT								1		48						
445	SE A-1	N HIGH ST	401+63, 35' RT					150	24		1									
445	R-1	N HIGH ST	402+09, 31' RT	402+85, 33' RT						76										
445	TC-1	N HIGH ST	402+09, 31' RT				1										2	1	1	
N HIGH ST. BETWEEN STA. 407+00 AND 410+00, INT 4051																				
446	IC-1	N HIGH ST	407+00, 33' RT	407+62, 33' RT				63		62				63						
446	SE A-1	N HIGH ST	407+62, 33' RT					75	12		1									
446	IC-2	N HIGH ST	407+62, 33' RT	407+84, 32' RT						22		1		22						
446	TC-1	N HIGH ST	407+84, 32' RT				1										2	1	1	
SHEET TOTAL					19	1	4	6,752	312	5,897	5	4	2	6,137	187	1	10	5	5	-	-	-	-	-

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.

3150-E

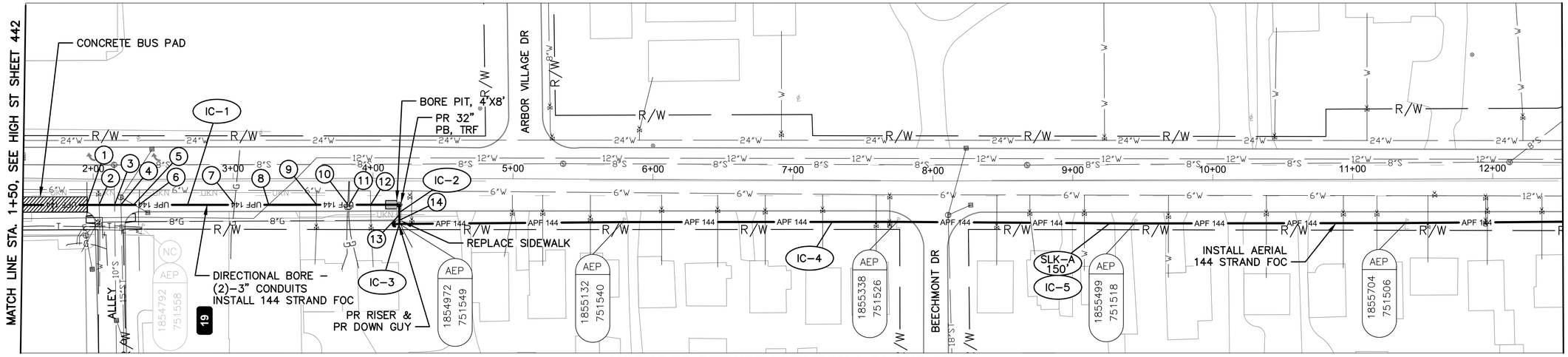
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PID NUMBER: 82573

HIGH ST BETWEEN STA. 352+00 & 410+00
INTS 4047, 4048, 4049, 4050, 4051

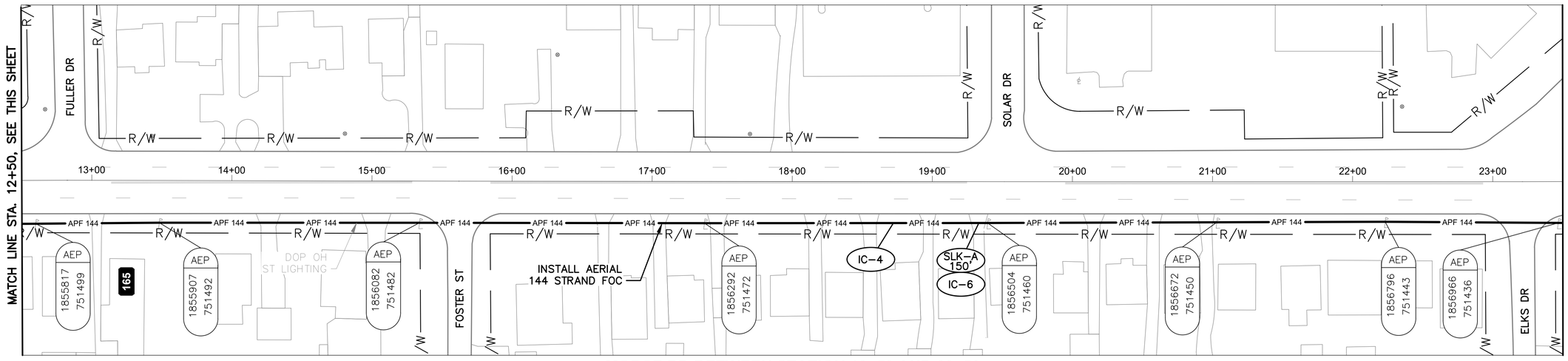
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

447
1000

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MORSE RD BETWEEN STATION 1+50 AND 12+50



MORSE RD BETWEEN STATION 12+50 AND 23+50

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
1	1+96, 18' RT	10" GAS	809.1 LEVA	811.6 LEVA	810.1 *(+)	1.0	LOCATED BY TEST HOLE
2	2+05, 18' RT	WATER SERVICE	UND	811.6 LEVB	808.6	-	LOCATED BY SURVEY
3	2+15, 18' RT	10" SANITARY	799.2 CS	811.7 LEVB	808.7	9.5	RP12067_001
4	2+20, 18' RT	15" STORM	809.1 CS	811.9 LEVB	810.1 *(+)	1.0	LOCATED BY SURVEY
5	2+29, 18' RT	15" STORM	810.8 CS	812.2 LEVB	808.2 *(-)	1.0	LOCATED BY SURVEY
6	2+33, 18' RT	WATER SERVICE	UND	812.3 LEVB	809.3	-	LOCATED BY SURVEY
7	3+01, 18' RT	1" GAS SERVICE	810.7 LEVA	813.6 LEVA	811.7 *(+)	1.0	LOCATED BY TEST HOLE
8	3+25, 19' RT	12" WATER	809.4 LEVA	814.1 LEVA	811.1	1.7	LOCATED BY TEST HOLE (CTP0582-041)
9	3+59, 19' RT	WATER SERVICE	UND	814.9 LEVB	811.9	-	LOCATED BY SURVEY
10	3+82, 19' RT	1" GAS SERVICE	812.1 LEVA	815.2 LEVA	813.1 *(+)	1.0	LOCATED BY TEST HOLE
11	3+83, 19' RT	1" GAS SERVICE	812.2 LEVA	815.2 LEVA	813.2 *(+)	1.0	LOCATED BY TEST HOLE
12	3+98, 19' RT	WATER SERVICE	UND	815.7 LEVB	812.7	-	LOCATED BY SURVEY
13	4+19, 26' RT	8" GAS	814.1 LEVA	816.1 LEVA	815.1 *(+)	1.0	LOCATED BY TEST HOLE
14	4+19, 30' RT	4" GAS	813.2 LEVA	816.4 LEVA	814.2 *(+)	1.0	LOCATED BY TEST HOLE

LEVA: FIELD VERIFIED ELEVATION, LEVEL A SUE
LEVB: FIELD VERIFIED ELEVATION, LEVEL B SUE
CS: ELEVATION CALCULATED USING INVERT FROM SURVEY
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'

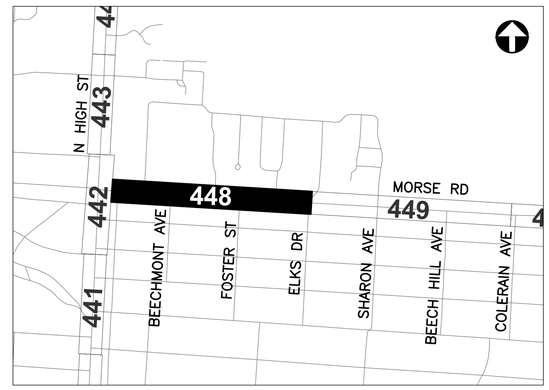
NOTES:

1. SEE SHEET 451 FOR QUANTITIES.
2. SEE SHEETS 664 & 667 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100006
PID NUMBER: 82573

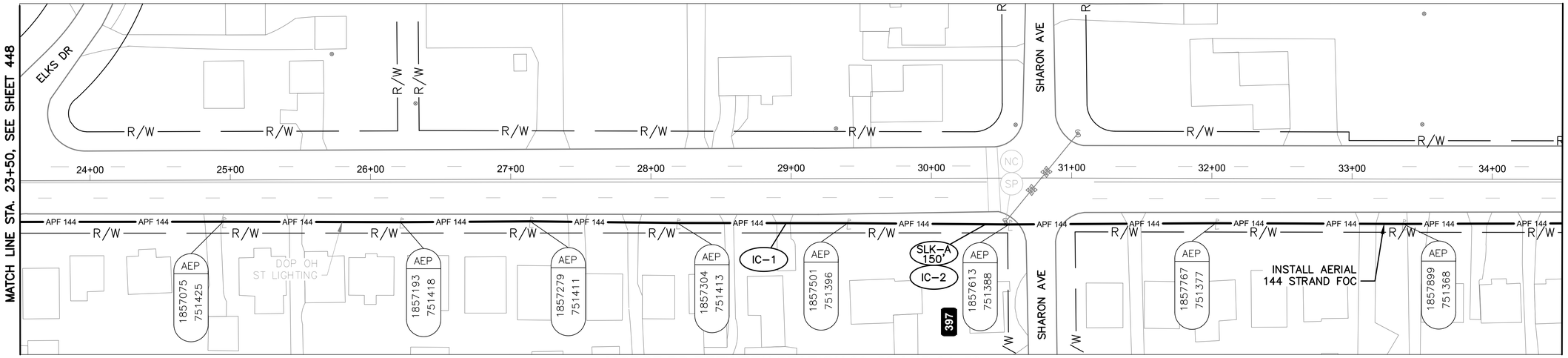
INTERCONNECT PLAN
MORSE RD BETWEEN STA. 1+50 AND 23+50

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

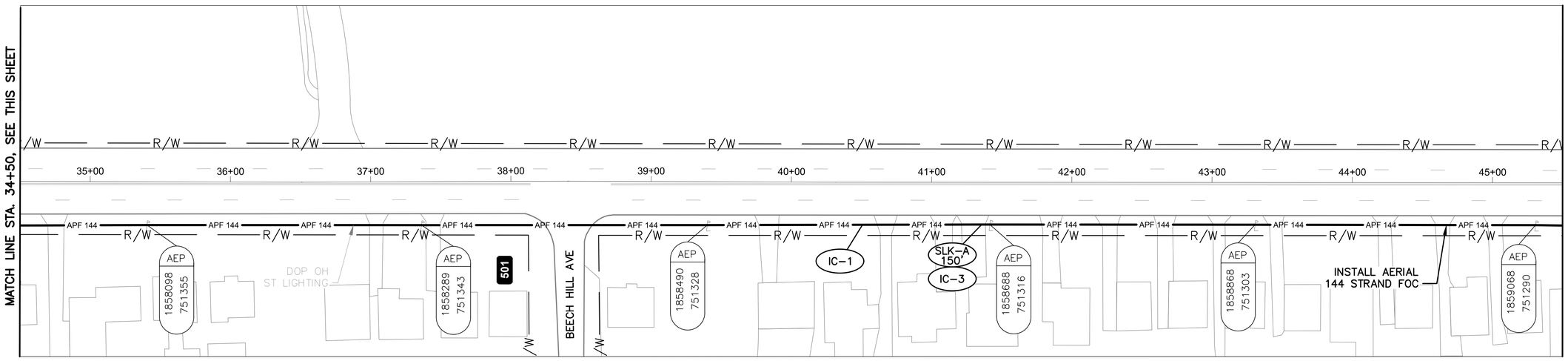
448
1000

3150-E

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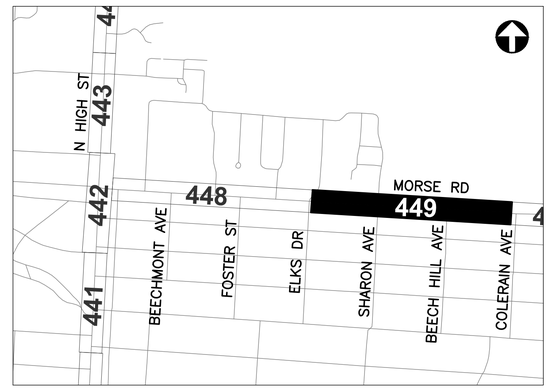
MORSE RD BETWEEN STATION 23+50 AND 34+50



MORSE RD BETWEEN STATION 34+50 AND 45+50

NOTES:

1. SEE SHEET 451 FOR QUANTITIES.
2. SEE SHEETS 664 & 667 FOR COMMUNICATION DETAILS.



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

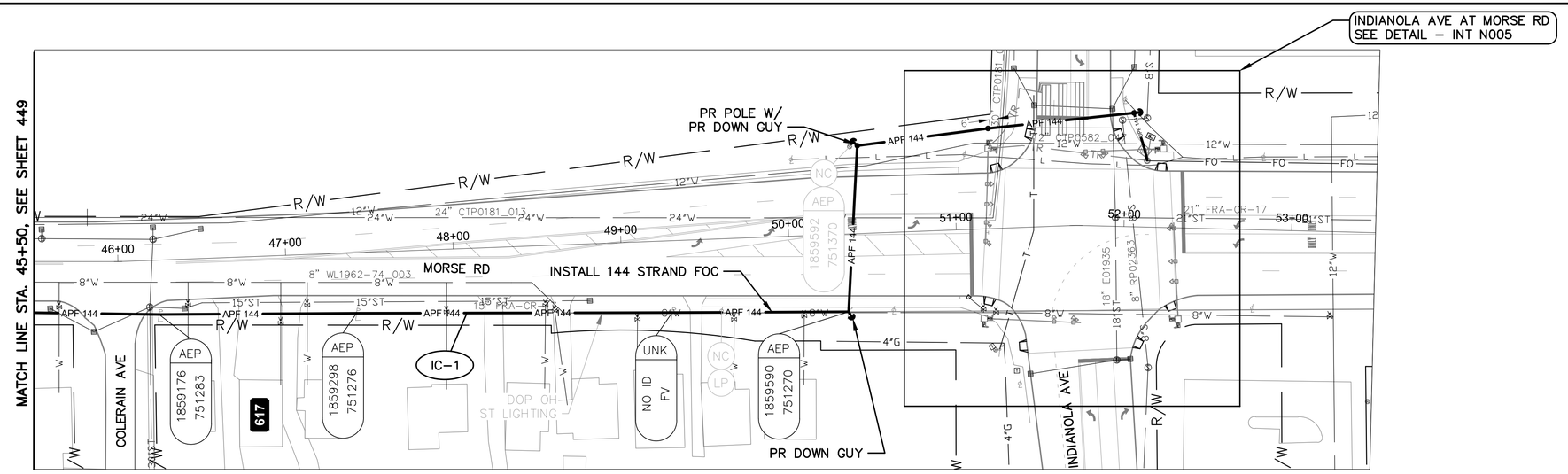
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PID NUMBER: 82573

INTERCONNECT PLAN
MORSE RD BETWEEN STA. 23+50 AND 45+50

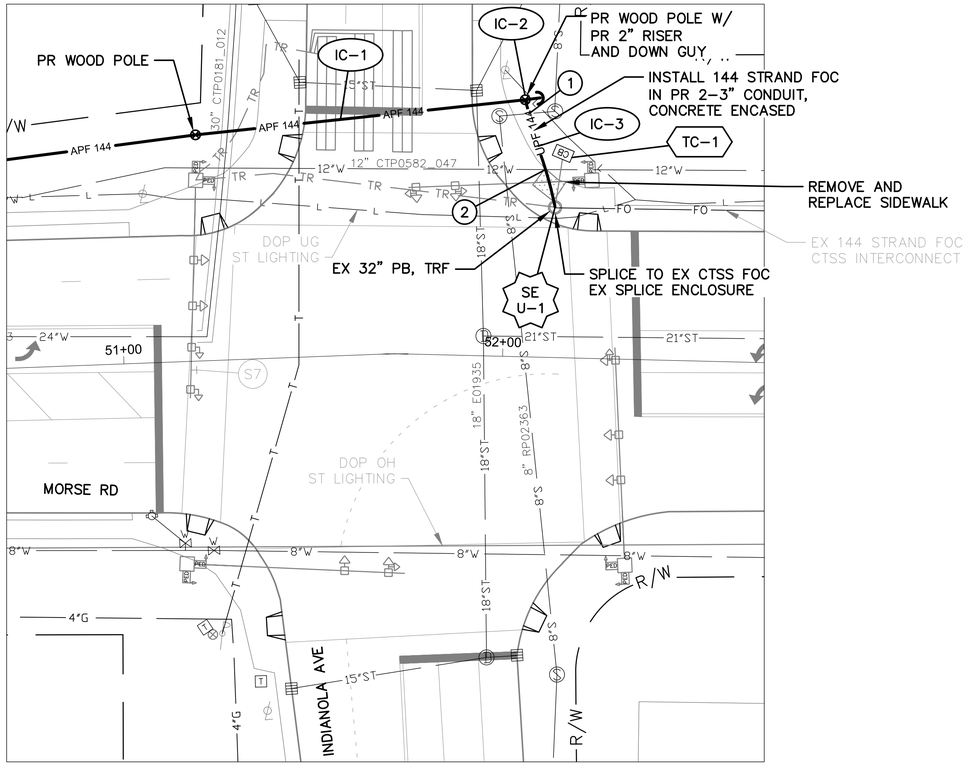
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

449
1000

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MORSE RD BETWEEN STATION 45+50 AND 53+50



DETAIL - INT N005

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

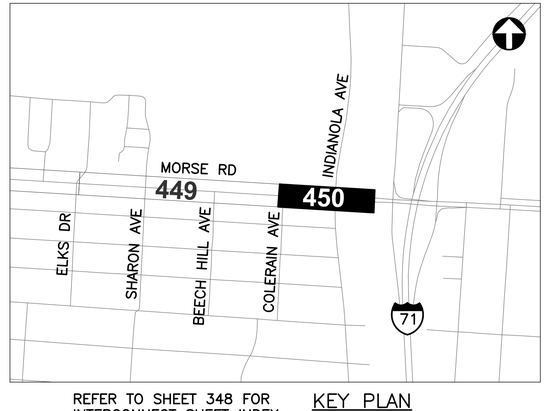
1. SEE SHEET 451 FOR QUANTITIES.
2. SEE SHEETS 667 & 735 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 355.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 348 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE



0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
MORSE RD BETWEEN STA. 45+50 AND 53+50, INT N005

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

3150-E

450
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 WALK REMOVED SF	608 8" CONCRETE WALK SF	625 CONDUIT, CONCRETE ENCASED, 2-3", 725.05, AS PER PLAN FT	625 TRENCH, 36" DEEP, AS PER PLAN FT	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 DOWN GUY EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	632 WOOD POLE, CLASS 5, 35 FT EACH	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH
MORSE RD. BETWEEN STA. 1+50 AND 23+50															
448	IC-1	MORSE RD	1+50, 31' RT	23+50 29' RT							2,233		2,233		
448	IC-2	MORSE RD	9+43, 31' RT								150				
448	IC-3	MORSE RD	19+39, 29' RT								150				
MORSE RD. BETWEEN STA. 23+50 AND 45+50															
449	IC-1	MORSE RD	23+50, 29' RT	45+50, 30' RT							2,233		2,233		
449	IC-2	MORSE RD	30+55, 33' RT								150				
449	IC-3	MORSE RD	41+41, 30' RT								150				
MORSE RD. BETWEEN STA. 45+50 AND 53+50, INT N005															
450	IC-1	MORSE RD	45+5[illegible] RT	52+04 68' LT							2		62		
450	IC-2	MORSE RD	52+[illegible]								5				
450	IC-3	MORSE RD	52[illegible]4, 68' [illegible]	52+13 40' LT			29	29							
450	SE U-1	MORSE RD	52+13, 40' LT								75	144			
450	TC-1	MORSE RD	52+15, 54' LT												1
SHEET TOTAL					50	50	29	29	1	3	5,967	144	5,228	3	1

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

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

3150-E

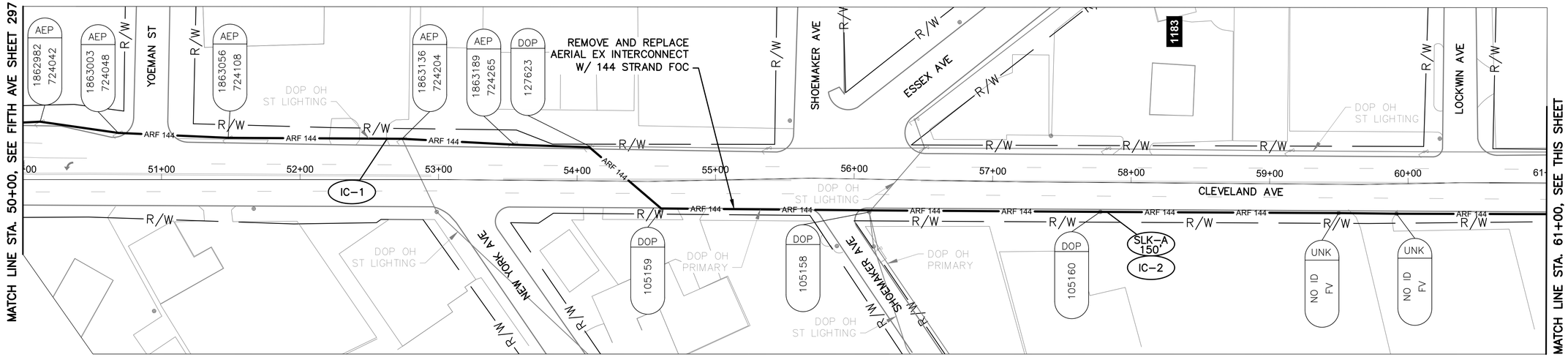
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PID NUMBER: 82573

MORSE RD BTW 1+50 & 53+50
INT N005

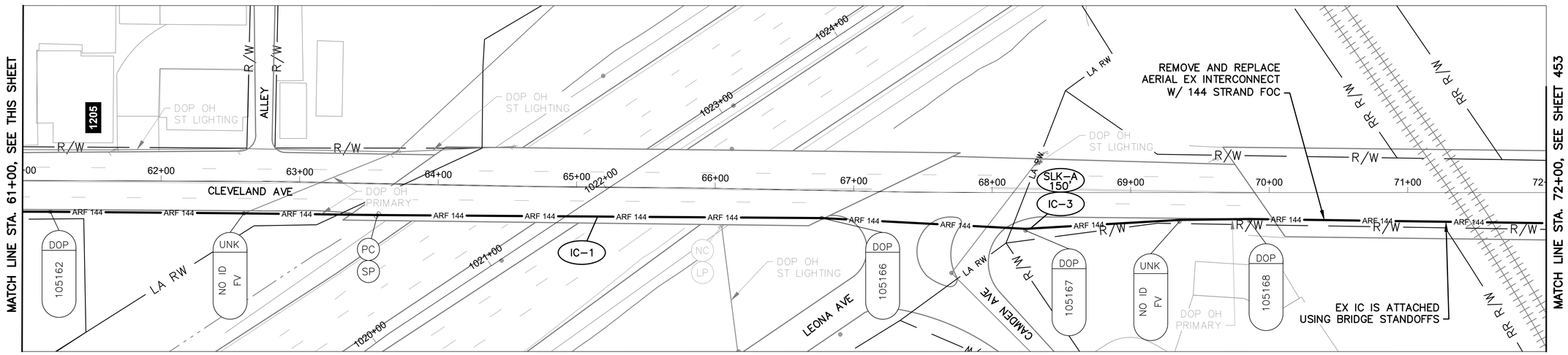
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

451
1000

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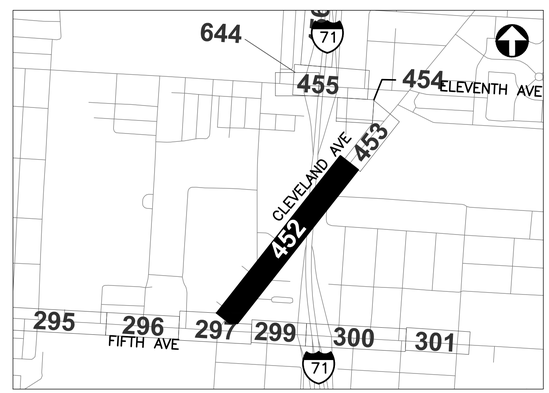
CLEVELAND AVE BETWEEN STATION 50+00 AND 61+00



CLEVELAND AVE BETWEEN STATION 61+00 AND 72+00

NOTES:

1. SEE SHEET 457 FOR QUANTITIES.
2. SEE SHEET 675 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

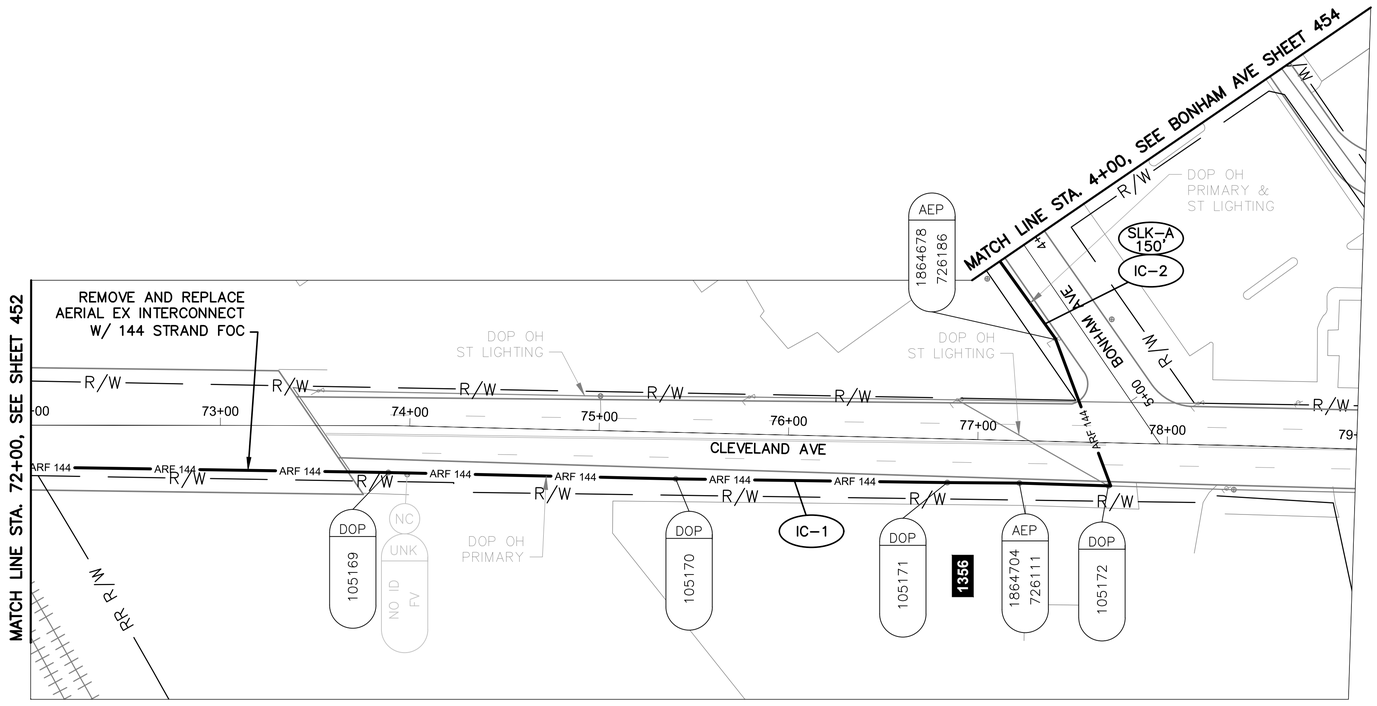
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INTERCONNECT PLAN
CLEVELAND AVE BETWEEN STA. 50+00 AND 72+00

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

452
1000

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CLEVELAND AVE BETWEEN STATION 72+00 AND 79+00

NOTES:

1. SEE SHEET 457 FOR QUANTITIES.
2. SEE SHEET 675 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
CLEVELAND AVE BETWEEN STA. 72+00 AND 79+00

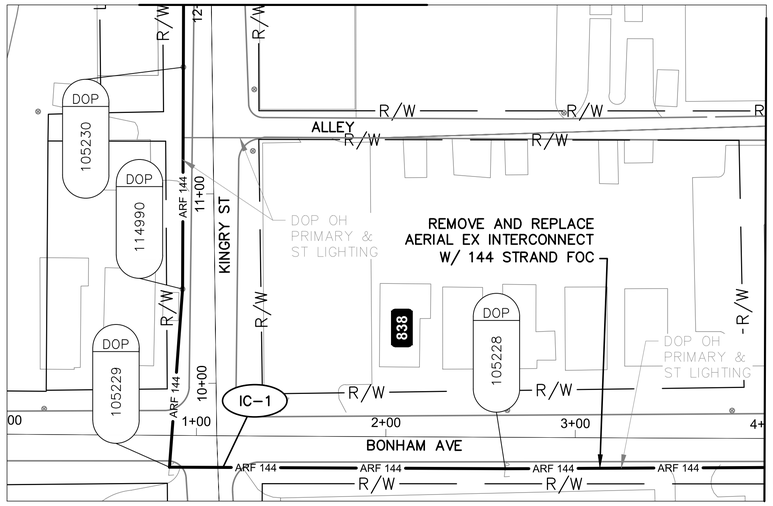
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

453
1000

3150-E

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MATCH LINE STA. 12+00, SEE ELEVENTH AVE SHEET 455



MATCH LINE STA. 4+00, SEE CLEVELAND AVE SHEET 453

BONHAM AVE BETWEEN STATION 0+00 AND 4+00

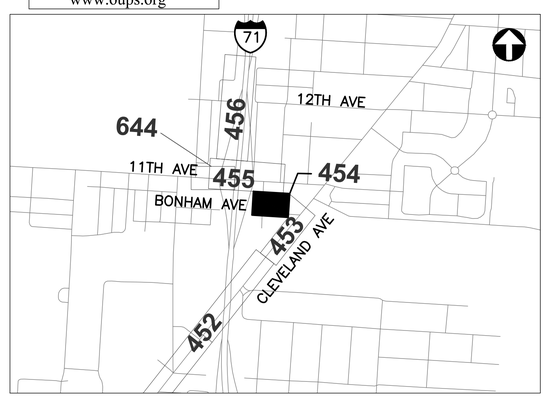
NOTES:

1. SEE SHEET 457 FOR QUANTITIES.
2. SEE SHEET 675 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

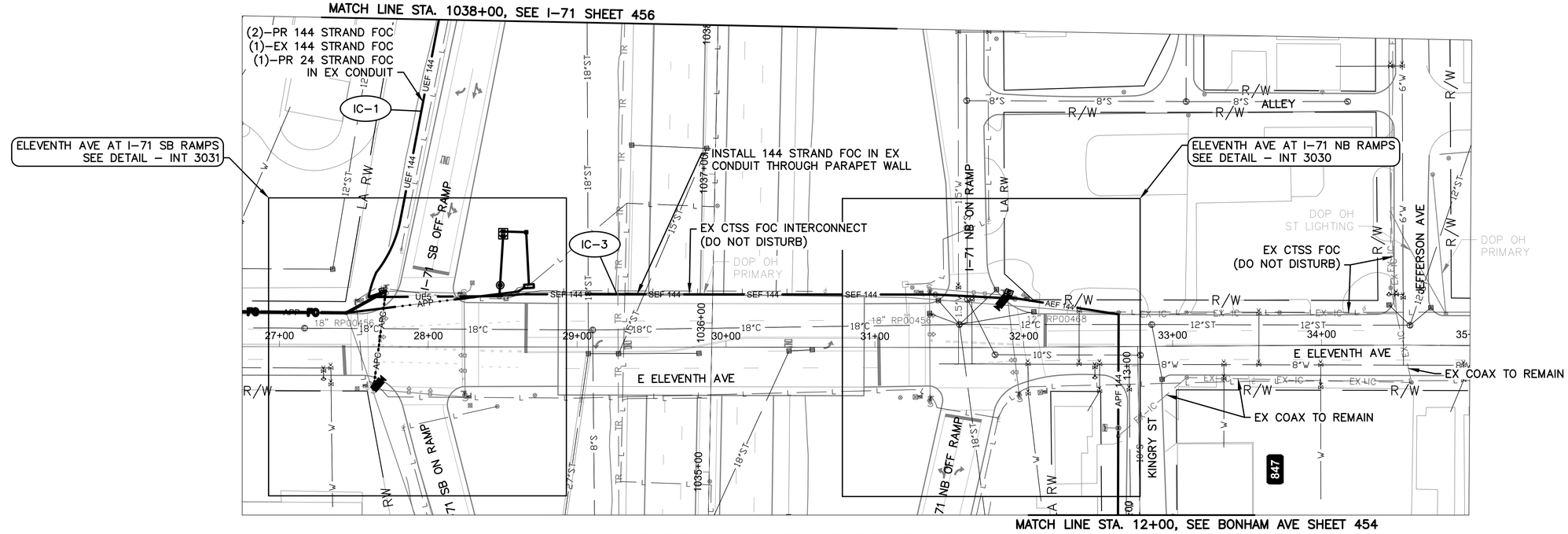
INTERCONNECT PLAN
BONHAM AVE BETWEEN STA. 0+00 AND 4+00

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

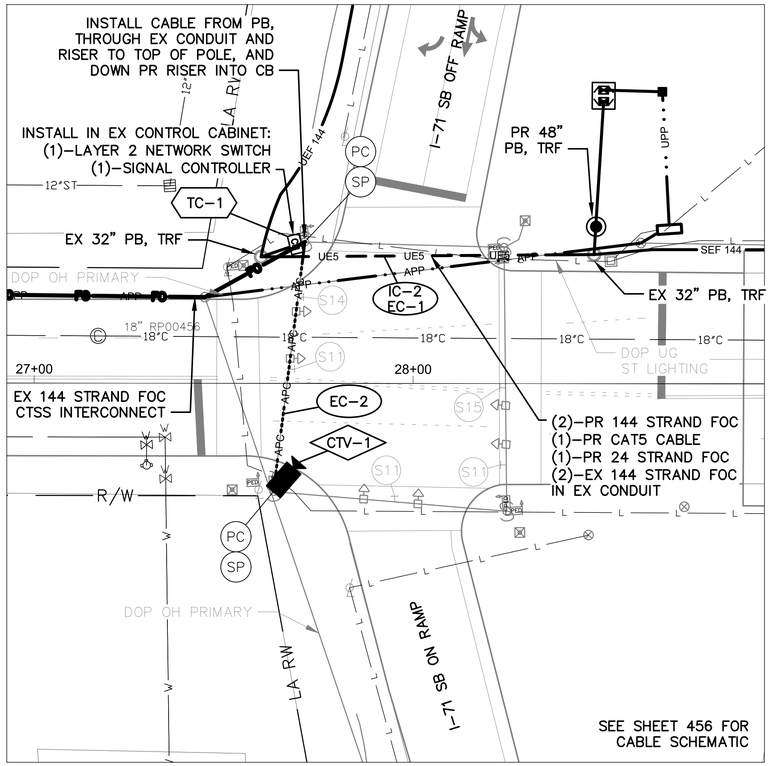
454
1000

3150-E

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk4_ELEVENTH_INTERCONNECT.dwg – 11TH-TO-CLEV-1 layout ~ last saved by jbeans 10/11/2018 12:15pm ~ printed 03/19/2020 03:18pm

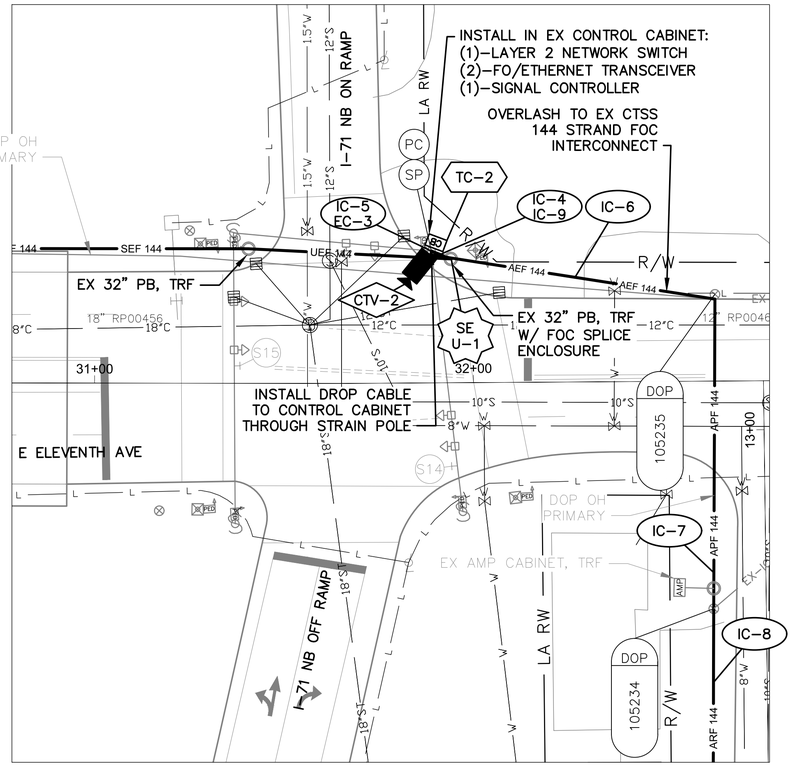


ELEVENTH AVE BETWEEN STATION 26+75 AND 35+00



DETAIL - INT 3031

0 20 40
HORIZONTAL
SCALE IN FEET



DETAIL - INT 3030

0 20 40
HORIZONTAL
SCALE IN FEET

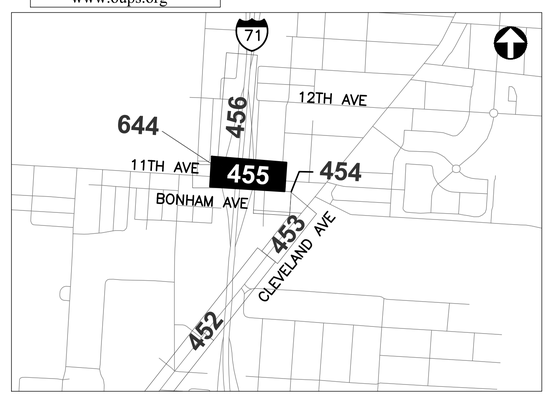
NOTES:

1. SEE SHEET 457 FOR QUANTITIES.
2. SEE SHEETS 675, 854 & 855 FOR COMMUNICATION DETAILS.
3. SEE SHEETS 644 & 645 FOR NODE #071110.9 DETAIL AND NODE QUANTITIES.
4. EXISTING CONDUIT TO CONTROLLER CABINET AT INT 3031 IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 355.

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

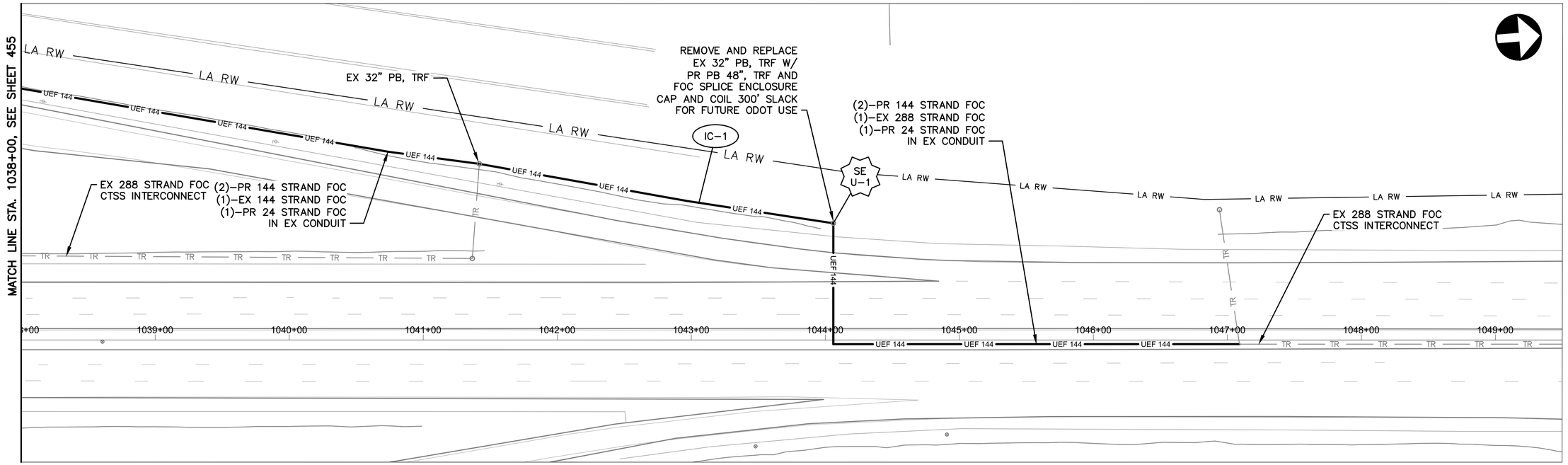
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
ELEVENTH AVE BETWEEN STA. 26+75 AND 35+00, INT 3031 & 3030

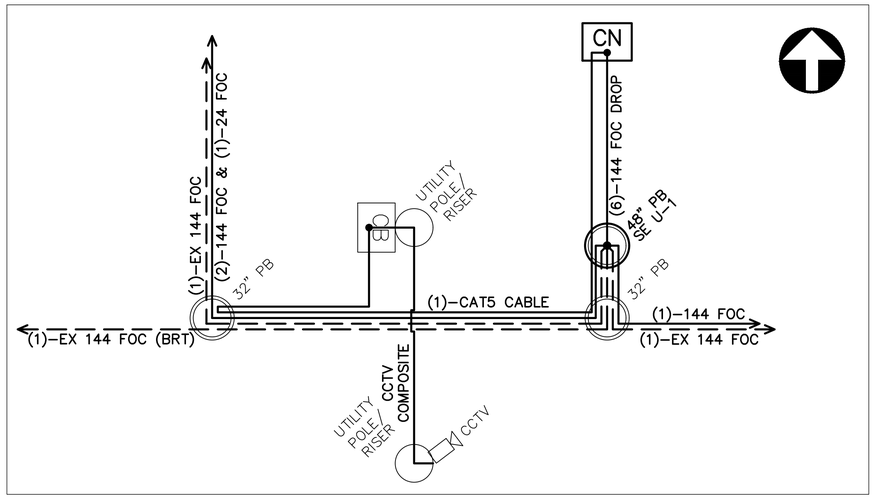
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

455
1000

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I-71 BETWEEN STATION 1038+00 AND 1049+50



CABLE SCHEMATIC - INT 3031
(SEE SHEET 455)
NOT TO SCALE

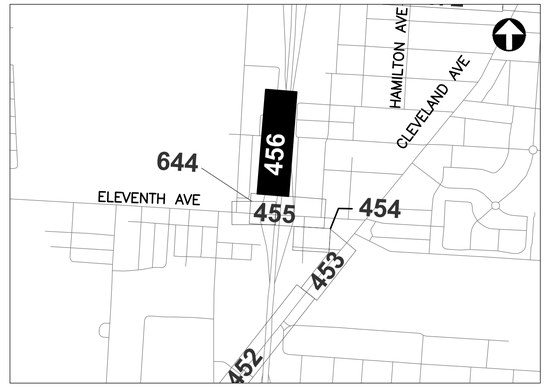
NOTES:

1. SEE SHEET 457 FOR QUANTITIES.
2. SEE SHEET 675 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
I–71 BETWEEN STA. 1038+00 AND 1049+50

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

456
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202 EXISTING CONDUIT CLEANED, AS PER PLAN	625 PULL BOX, CONCRETE 48", AS PER PLAN	625 PULL BOX, REMOVED, AS PER PLAN	632 CONDUIT RISER, 2", 725.04, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	632 SIGNALIZATION, MISC.: CAT 5E CABLE, OUTDOOR RATED	632 SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE	632 SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN	
			FROM	TO	FT	EACH	EACH	EACH	FT	FT	EACH	FT	FT	EACH	EACH	EACH	FT	FT	FT	EACH	EACH	EACH	EACH	
CLEVELAND AVE. BETWEEN STA. 50+00 AND 72+00																									
452	IC-1	CLEVELAND AVE	50+00, 41' LT	72+00, 23' RT					2,261				2,228				2,261								
452	IC-2	CLEVELAND AVE	57+83, 21' RT						150																
452	IC-3	CLEVELAND AVE	68+30, 30' RT						150																
CLEVELAND AVE. BETWEEN STA. 72+00 AND 79+00																									
453	IC-1	CLEVELAND AVE/BONHAM AVE	72+00, 23' RT	4+00, 15' RT					712				701				712								
453	IC-2	BONHAM AVE	4+41, 15' RT						150																
BONHAM AVE. BETWEEN STA. 0+00 AND 4+00																									
454	IC-1	KINGRY ST/BONHAM AVE	12+00, 15' LT	4+00, 15' RT					566				558				566								
ELEVENTH AVE. BETWEEN STA. 26+75 AND 35+00, INTS 3031 AND 3030																									
455	IC-1	ELEVENTH AVE	27+ , 33' LT	28+ , 219' LT	93				3		103														
455	IC-2	ELEVENTH AVE	27+ , 38' LT	28+47, 34' LT					176		88														
455	CTV-1	ELEVENTH AVE	27+63, 29' RT																		1				
455	EC-2	ELEVENTH AVE	27+63, 29' RT	27+70, 38' LT													67		67						
455	EC-1	ELEVENTH AVE	27+70, 38' LT	28+47, 34' LT	97													97							
455	TC-1	ELEVENTH AVE	27+70, 38' LT					1										80	45			1	1		
455	IC-3	ELEVENTH AVE	28+47, 34' LT	31+ , 37' LT	35				35																
455	TC-2	ELEVENTH AVE	31+ , 37' LT																10		2	1	1		
455	CTV-2	ELEVENTH AVE	31+90, 37' LT																	1					
455	EC-3	ELEVENTH AVE	31+90, 37' LT																35						
455	IC-5	ELEVENTH AVE	31+ , 37' LT						35																
455	IC-9	ELEVENTH AVE	31+ , 37' LT	31+94, 33' LT																					
455	IC-4	ELEVENTH AVE	31+ , 37' LT	31+94, 33' LT	11				11																
455	IC-6	ELEVENTH AVE	31+90, 37' LT	32+63, 23' LT					75			75													
455	SE U-1	ELEVENTH AVE	31+94, 33' LT						150		24			1											
455	IC-8	ELEVENTH AVE	32+62, 113' RT	32+63, 60' RT					53				53					53							
455	IC-7	ELEVENTH AVE	32+63, 60' RT	32+63, 37' LT					83									83							
I-71 BETWEEN STA. 1038+00 AND 1046+94, INTS 456 AND 457																									
456	IC-1	I-71	1038+00, 138' LT	1046+94, 97' LT	904				1,808	904															
456	SE U-1	I-71	1046+94, 97' LT			1	1		150	375	312					1									
SHEET TOTAL					1,557	1	1	1	7,268	1,560	336	75	3,540	1	1	1	3,742	177	157	2	2	2	2	-	

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

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

3150-E

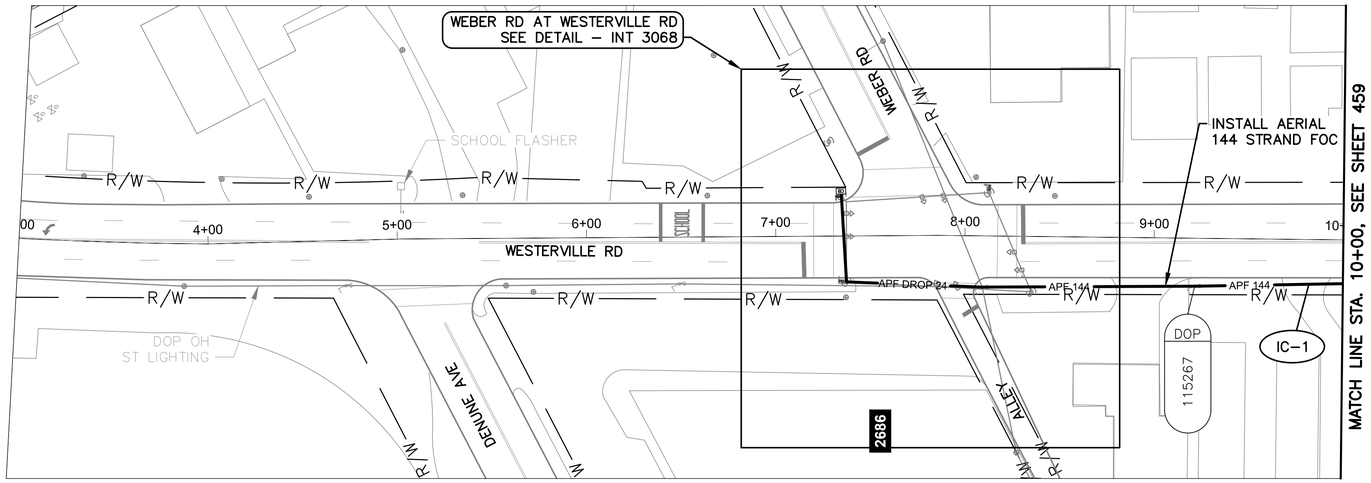
CIP: 540007–100006
PID NUMBER: 82573

CLEVELAND AVE BTW 50+00 & 79+00, BONHAM AVE BTW 0+00 & 4+00
ELEVENTH AVE BTW 26+75 & 35+00, INTS 3031, 3030

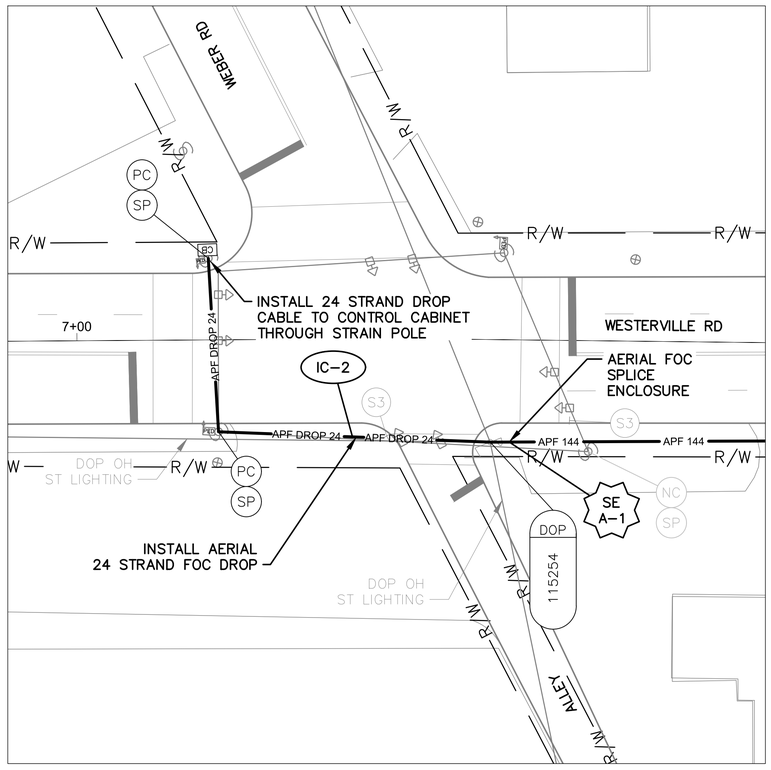
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

457
1000

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WESTERVILLE RD BETWEEN STATION 3+00 AND 10+00



DETAIL - INT 3068

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 461 FOR QUANTITIES.
2. SEE SHEETS 673 & 849 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

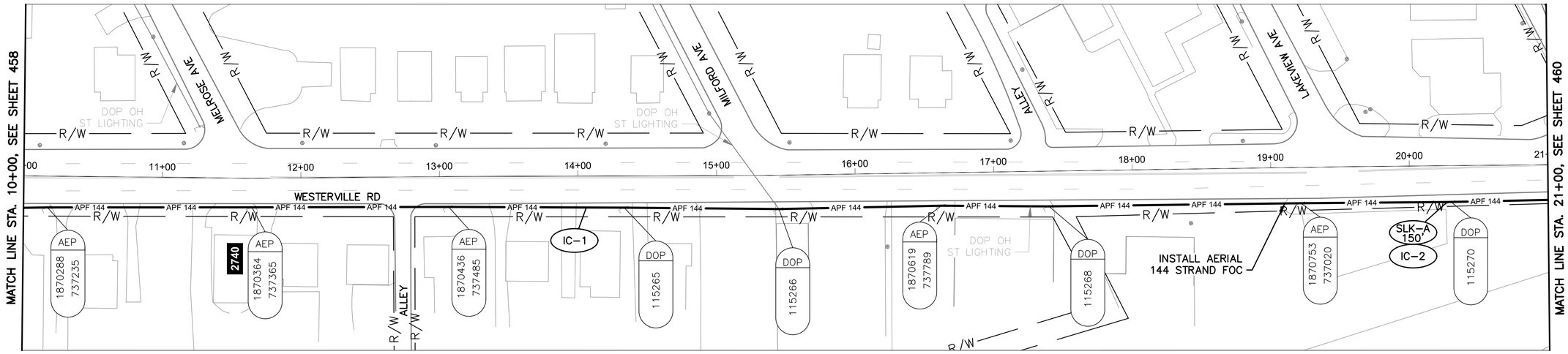
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
WESTERVILLE RD BETWEEN STA. 3+00 AND 10+00, INT 3068

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

458
1000

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WESTERVILLE RD BETWEEN STATION 10+00 AND 21+00

NOTES:

1. SEE SHEET 461 FOR QUANTITIES.
2. SEE SHEET 673 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

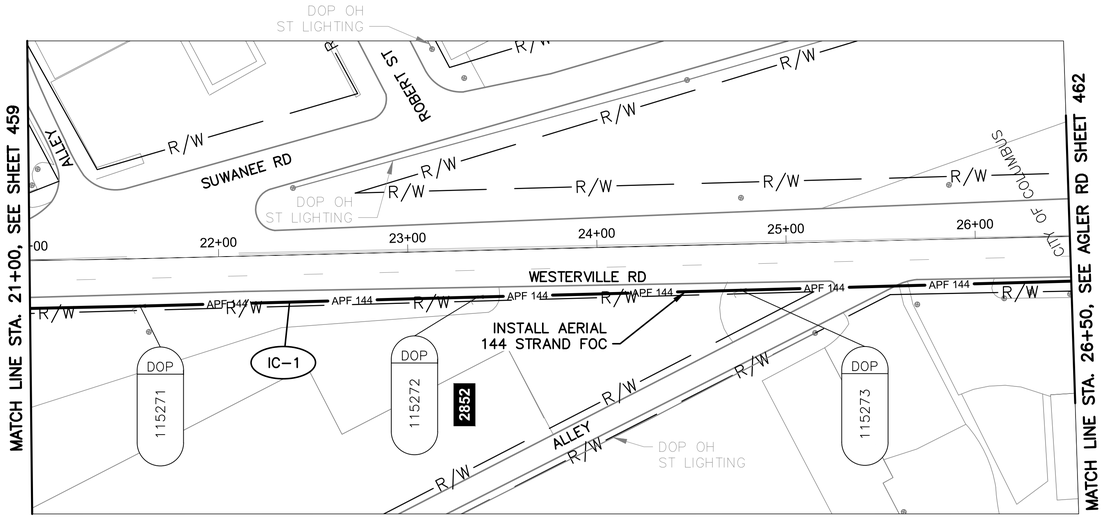
INTERCONNECT PLAN
WESTERVILLE RD BETWEEN STA. 10+00 AND 21+00

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

459
1000

3150-E

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WESTERVILLE RD BETWEEN STATION 21+00 AND 26+50

NOTES:

1. SEE SHEET 461 FOR QUANTITIES.
2. SEE SHEET 673 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
WESTERVILLE RD BETWEEN STA. 21+00 AND 26+50

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

460
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN														
			FROM	TO	FT	EACH	EACH	EACH	FT														
WESTERVILLE RD. BETWEEN STA. 3+00 AND 10+00, INT 3068																							
458	IC-2	WESTERVILLE RD	7+32, 24' LT	8+09, 27' RT				1	120														
458	SE A-1	WESTERVILLE RD	8+09, 27' RT		75	12	1																
458	IC-1	WESTERVILLE RD	8+09, 27' RT	10+00, 23' RT	194				194														
WESTERVILLE RD. BETWEEN STA. 10+00 AND 21+00																							
459	IC-1	WESTERVILLE RD	10+00, 23' RT	21+00, 25' RT	1,118				1,118														
459	IC-2	WESTERVILLE RD	20+27, 26' RT		150																		
WESTERVILLE RD. BETWEEN STA. 21+00 AND 26+50																							
460	IC-1	WESTERVILLE R	1+00, RT	6+50, RT	55				55														
SHEET TOTAL					2,096	12	1	1	1,991	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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

3150-E

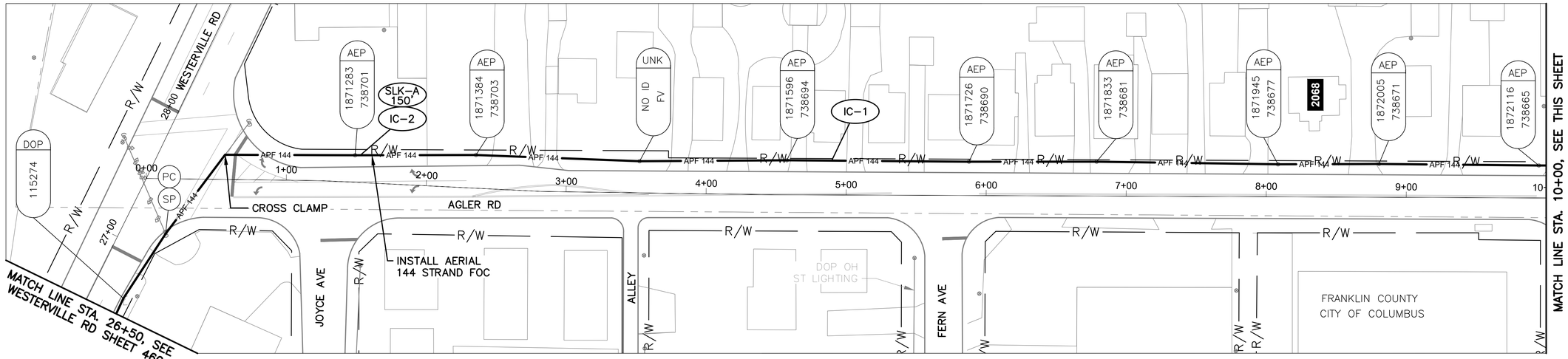
CIP: 540007-100006
PID NUMBER: 82573

WESTERVILLE RD BETWEEN STA. 3+00 & 26+50
INT 3068

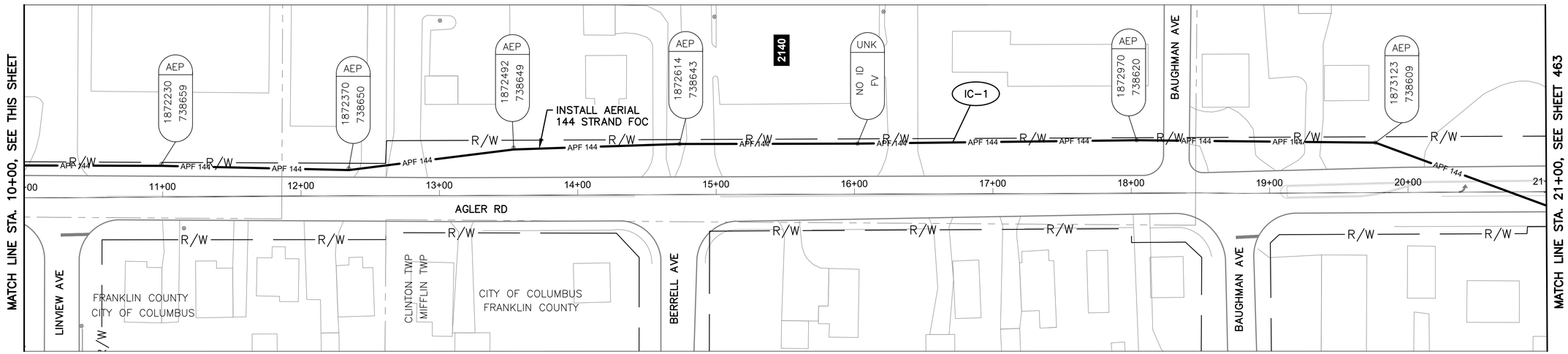
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

461
1000

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AGLER RD BETWEEN STATION 0+00 AND 10+00



AGLER RD BETWEEN STATION 10+00 AND 21+00

NOTES:

1. SEE SHEET 467 FOR QUANTITIES.
2. SEE SHEET 673 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

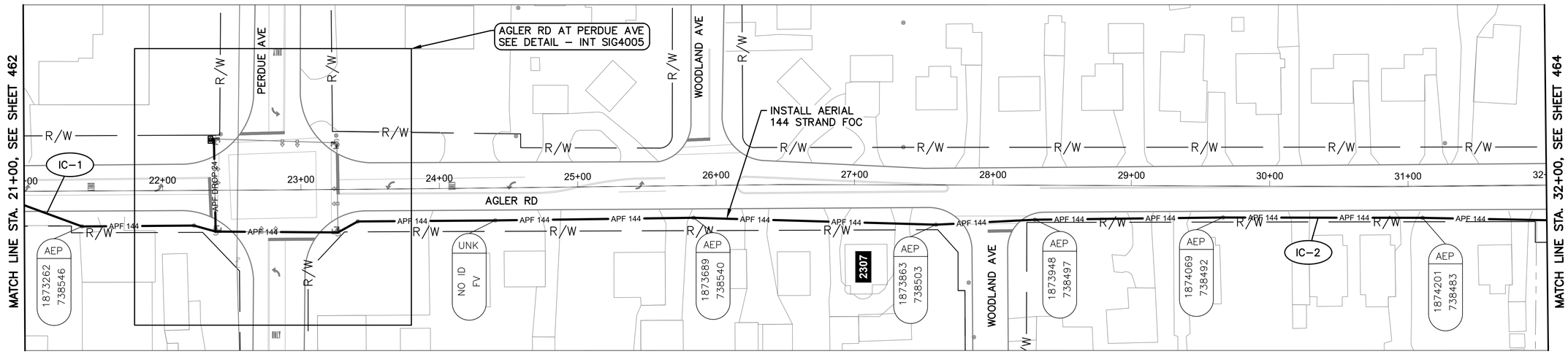
INTERCONNECT PLAN
AGLER RD BETWEEN STA. 0+00 AND 21+00

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

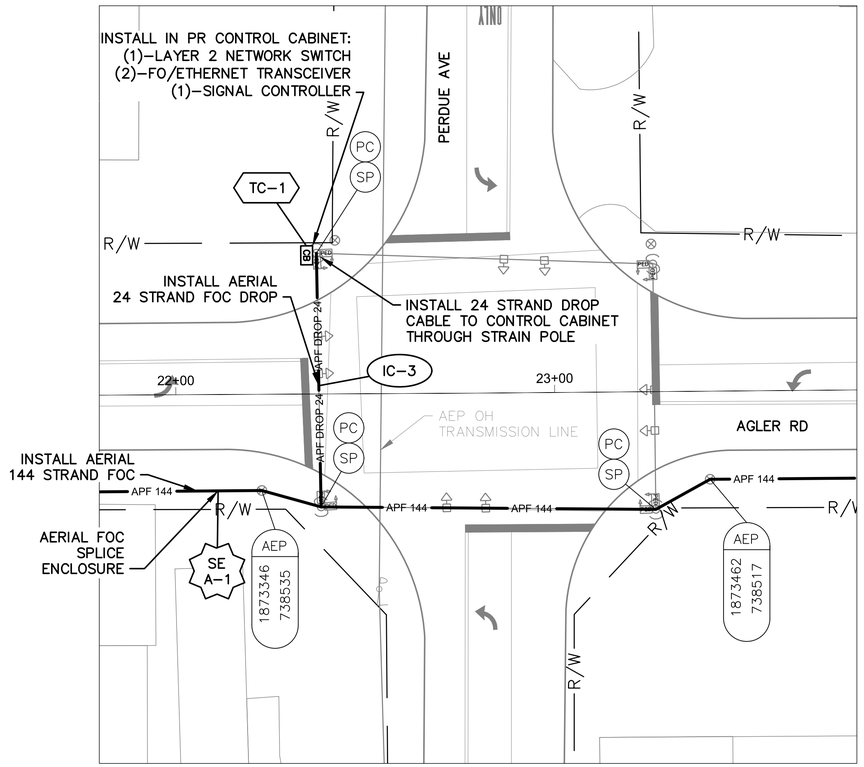
3150-E

462
1000

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AGLER RD BETWEEN STATION 21+00 AND 32+00



DETAIL - INT SIG4005

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 467 FOR QUANTITIES.
2. SEE SHEETS 673 & 850 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 347 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

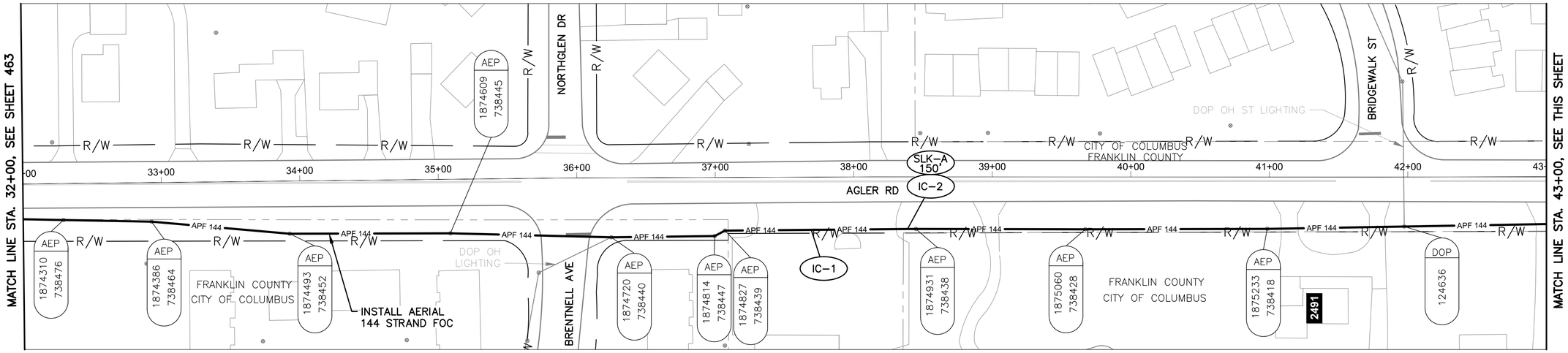
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
AGLER RD BETWEEN STA. 21+00 AND 32+00, INT SIG4005

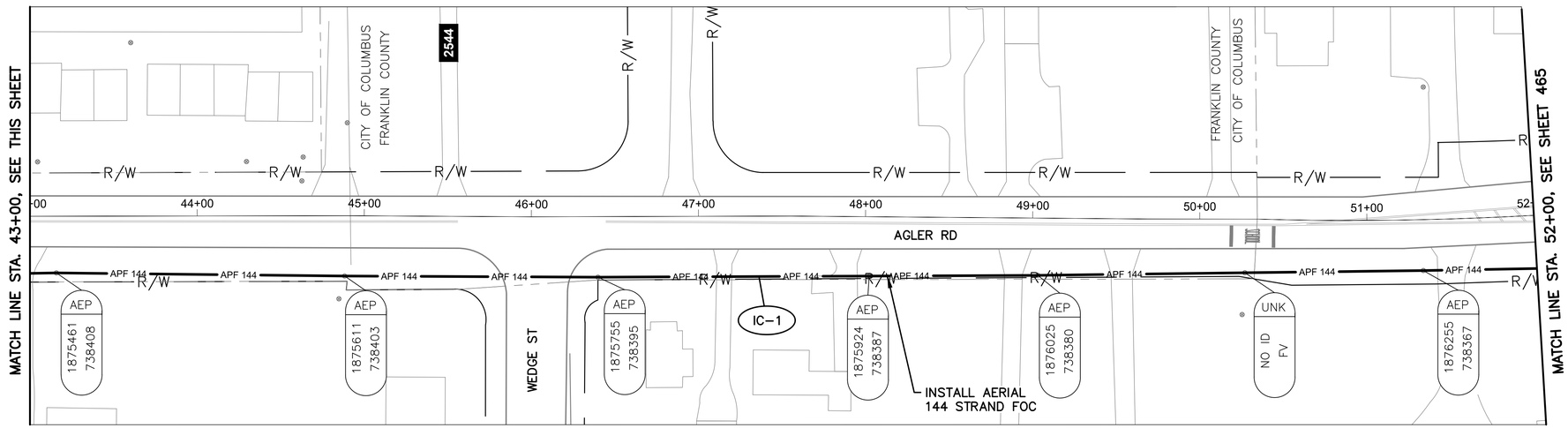
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

463
1000

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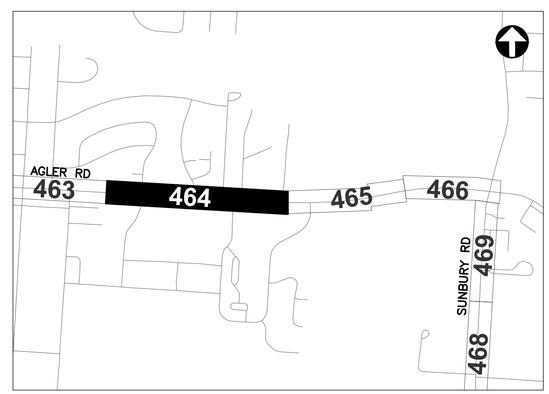
AGLER RD BETWEEN STATION 32+00 AND 43+00



AGLER RD BETWEEN STATION 43+00 AND 52+00

NOTES:

1. SEE SHEET 467 FOR QUANTITIES.
2. SEE SHEET 673 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

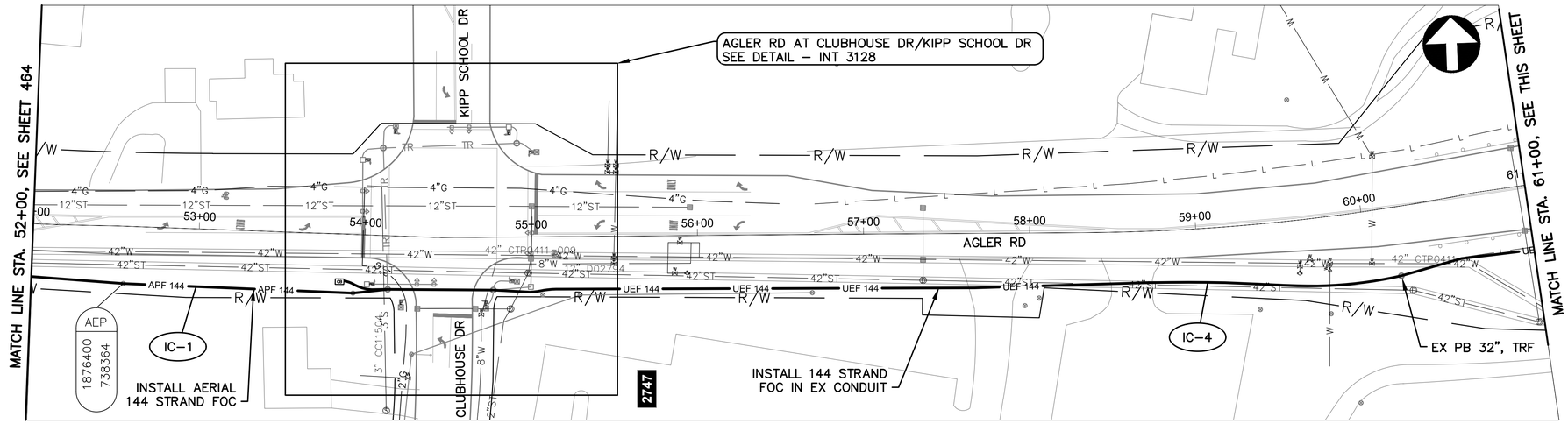
INTERCONNECT PLAN
AGLER RD BETWEEN STA. 32+00 AND 52+00

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

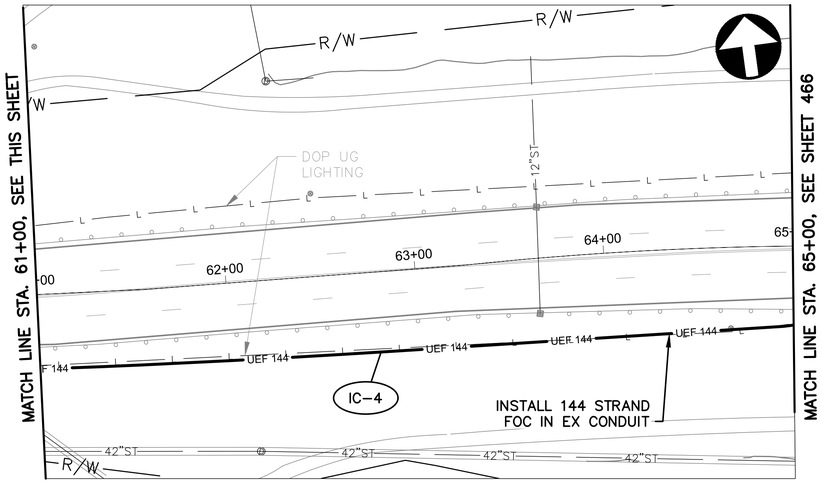
3150-E

464
1000

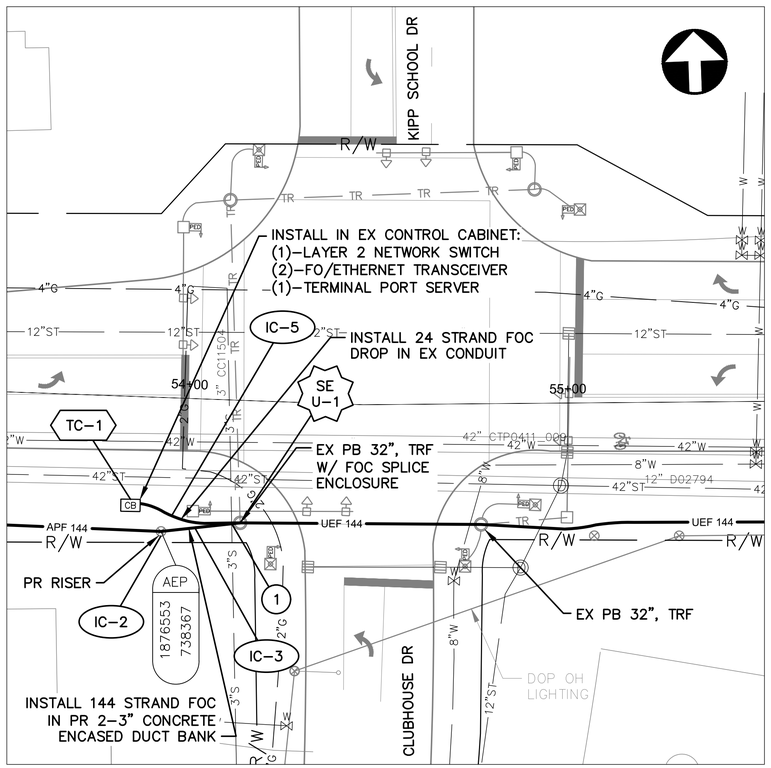
J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk4_AGLER_INTERCONNECT.dwg ~ AGLER-3 layout ~ last saved by: jbeams 10/11/2018 01:25pm ~ printed 03/19/2020 03:29pm



AGLER RD BETWEEN STATION 52+00 AND 61+00



AGLER RD BETWEEN STATION 61+00 AND 65+00



DETAIL - INT 3128

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

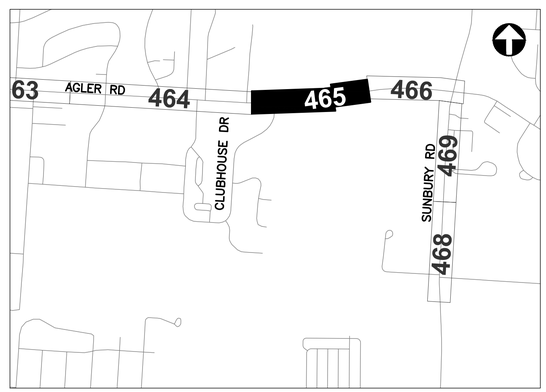
1. SEE SHEET 467 FOR QUANTITIES.
2. SEE SHEETS 673 & 851 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 355.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 347 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

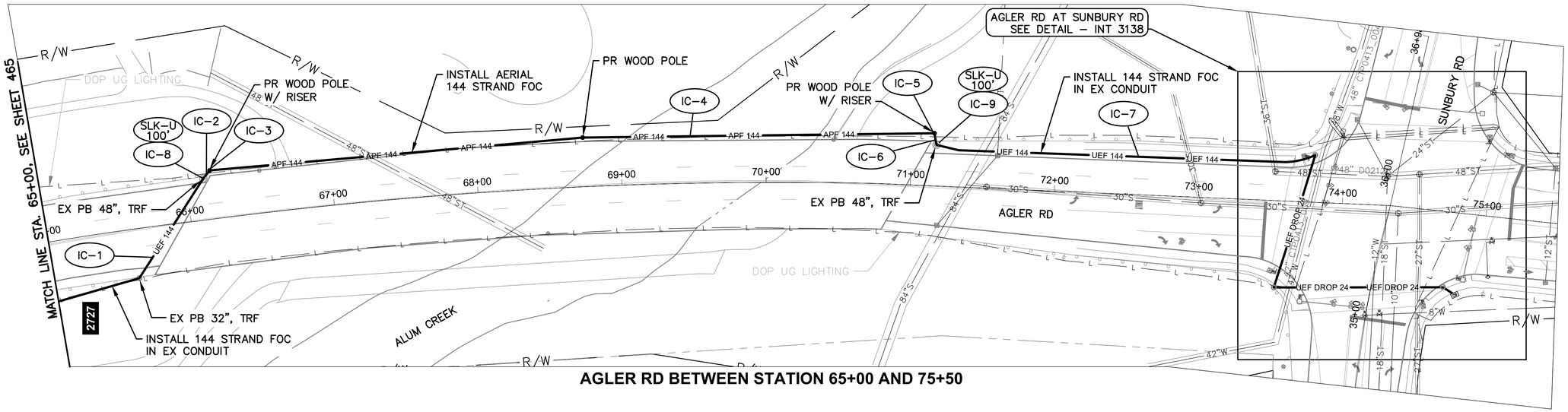
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
AGLER RD BETWEEN STA. 52+00 AND 65+00, INT 3128

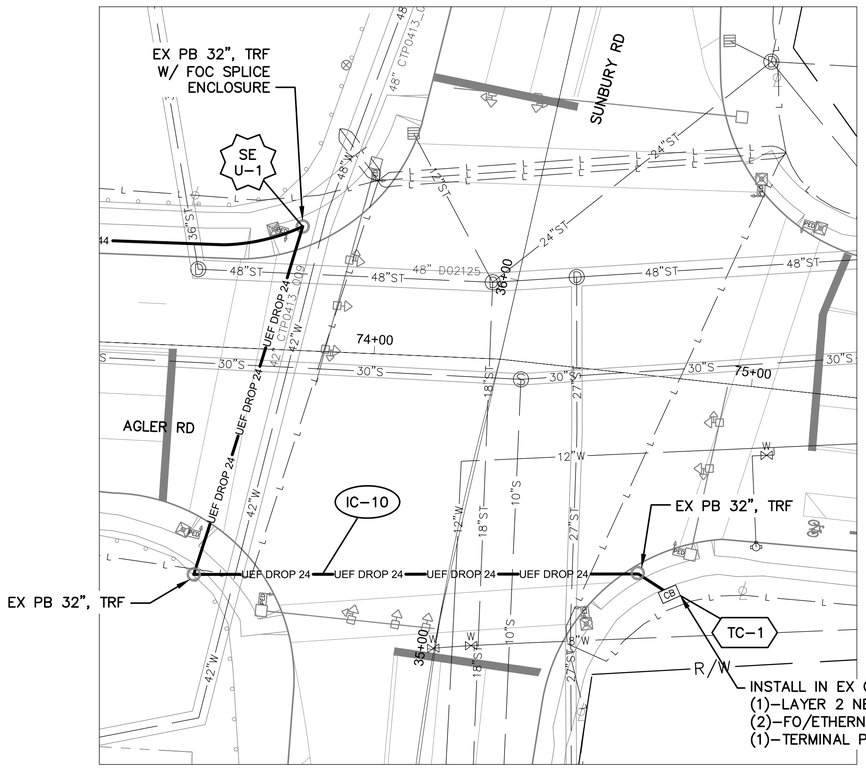
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

465
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk4_AGLER_INTERCONNECT.dwg – AGLER–4 layout ~ last saved by: jbeans 10/11/2018 01:25pm ~ printed 03/19/2020 03:30pm

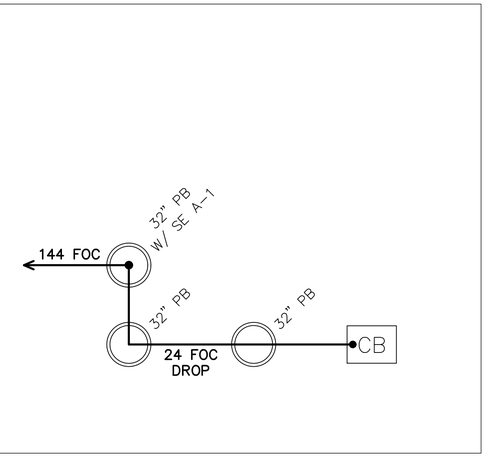


AGLER RD BETWEEN STATION 65+00 AND 75+50



DETAIL - INT 3138

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 3138

NOT TO SCALE

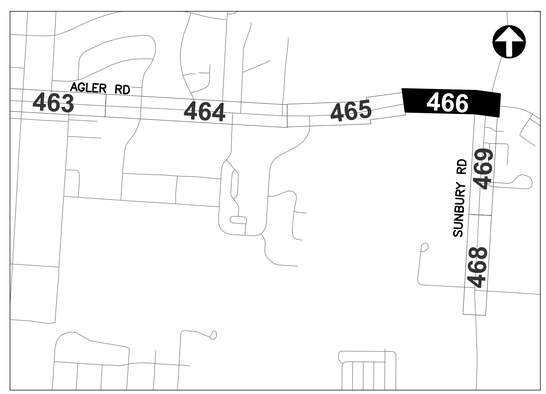
NOTES:

1. SEE SHEET 467 FOR QUANTITIES.
2. SEE SHEETS 673 & 852 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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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
AGLER RD BETWEEN STA. 65+00 AND 75+50, INT 3138

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

3150-E

466
1000

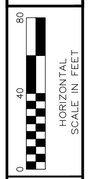
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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN	625 BRACKET ARM, 30', AS PER PLAN	625 CONDUIT, CONCRETE ENCASED, 2-3", 725.05, AS PER PLAN	625 TRENCH, 36" DEEP, AS PER PLAN	632 CONDUIT RISER, 2", 725.04, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	632 SIGNALIZATION, MISC.: CAT 5E CABLE, OUTDOOR RATED	632 SPREAD SPECTRUM RADIO, AS PER PLAN	632 WOOD POLE, CLASS 5, 35 FT	633 CABINET, POLE MOUNTED, TYPE TS-2, AS PER PLAN	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER ITEM, MISC.: TERMINAL PORT SERVER	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN	
					FT	EACH	FT	FT	EACH	FT	EACH	EACH	EACH	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
AGLER RD. BETWEEN STA. 0+00 AND 21+00																									
462	IC-1	WESTERVILLE RD/AGLER RD	26+50, 27' RT	21+00, 10' RT						2,257					2,257										
462	IC-2	AGLER RD	1+52, 19' LT							150															
AGLER RD. BETWEEN STA. 21+00 AND 32+00, INT SIG4005																									
463	IC-1	AGLER RD	21+00, 10' RT	22+22, 25' RT						128					128										
463	SE A-1	AGLER RD	22+22, 25' RT							150	24	1													
463	IC-3	AGLER RD	22+22, 25' RT	22+37, 37' LT										1	67										
463	IC-2	AGLER RD	22+22, 25' RT	32+00, 25' RT						995					995										
463	TC-1	AGLER RD	22+37, 37' LT																	1	2	1		1	
AGLER RD. BETWEEN STA. 32+00 AND 52+00																									
464	IC-1	AGLER RD	32+00, 25' RT	52+00, 32' RT						2,033					2,033										
464	IC-2	AGLER RD	38+38, 42' RT							150															
AGLER RD. BETWEEN STA. 52+00 AND 65+00, INT 3138																									
465	IC-1	AGLER RD	52+00, 32' RT	53+93, 35' RT						196					196										
465	TC-1	AGLER RD	53+85, 29' RT																		2	1	1		
465	IC-5	AGLER RD	53+85, 29' RT	54+14, 32' RT	35								1												
465	IC-2	AGLER RD	53+93, 35' RT						1	35															
465	IC-3	AGLER RD	53+93, 35' RT	54+14, 32' RT			21	21		2															
465	SE U-1	AGLER RD	54+14, 32' RT							1	24	1													
465	IC-4	AGLER RD	54+14, 32' RT	65+00, 42' RT	105					1															
AGLER RD. BETWEEN STA. 65+00 AND 75+50, INT 3138																									
466	IC-1	AGLER RD	65+00, 42' RT	66+12, 29' LT	140					140															
466	IC-8	AGLER RD	66+12, 29' LT							10															
466		AGLER RD	66+12, 29' LT	66+17, 33' RT																					
466	IC-3	AGLER RD	66+17, 33' LT							3									1						
466	IC-4	AGLER RD	66+17, 33' LT	71+16, 36' LT						512					512				1						
466	IC-5	AGLER RD	71+16, 36' LT						1	35									1						
466	IC-6	AGLER RD	71+16, 36' LT	71+16, 36' LT			8	8		8															
466	IC-9	AGLER RD	71+16, 36' LT							100															
466	IC-7	AGLER RD	71+16, 36' LT	73+79, 33' LT	264					264															
466	SE U-1	AGLER RD	73+79, 33' LT							150	24	1													
466	IC-10	AGLER RD	73+79, 33' LT	74+85, 57' RT	223									1		223									
466	EC-3	AGLER RD	73+79, 33' LT	73+98, 50' LT	26											26									
466	EC-2	AGLER RD	73+98, 50' LT			1										35									
466	EC-1	AGLER RD	73+98, 50' LT	74+27, 52' LT												29									
466	WR-1	AGLER RD	74+27, 52' LT														1								
466	TC-1	AGLER RD	74+85, 57' RT													10				2	1	1			

SHEET INTENTIONALLY LEFT BLANK

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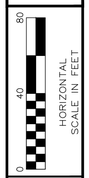


CIP: 540007–100006
PID NUMBER: 82573

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

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CIP: 540007-100006
PID NUMBER: 82573

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

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN	625 BRACKET ARM, 30', AS PER PLAN	632 SIGNALIZATION, MISC.: CAT 5E CABLE, OUTDOOR RATED	632 SPREAD SPECTRUM RADIO, AS PER PLAN	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN													
			FROM	TO	FT	EACH	FT	EACH	EACH	EACH															
SUNBURY RD. BETWEEN STA. 12+50 AND 23+50, INT SIG4015																									
468	EC-2	SUNBURY RD	15+02, 27' LT			1	35																		
468	EC-1	SUNBURY RD	15+02, 27' LT	15+04, 6' RT			27																		
468	WR-1	SUNBURY RD	15+04, 6' RT					1																	
468	EC-3	SUNBURY RD	15+02, 27' LT	15+10, 21' LT	13		13																		
468	TC-1	SUNBURY RD	15+10, 21' LT				10		1	1															
SHEET TOTAL					13	1	85	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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

3150-E

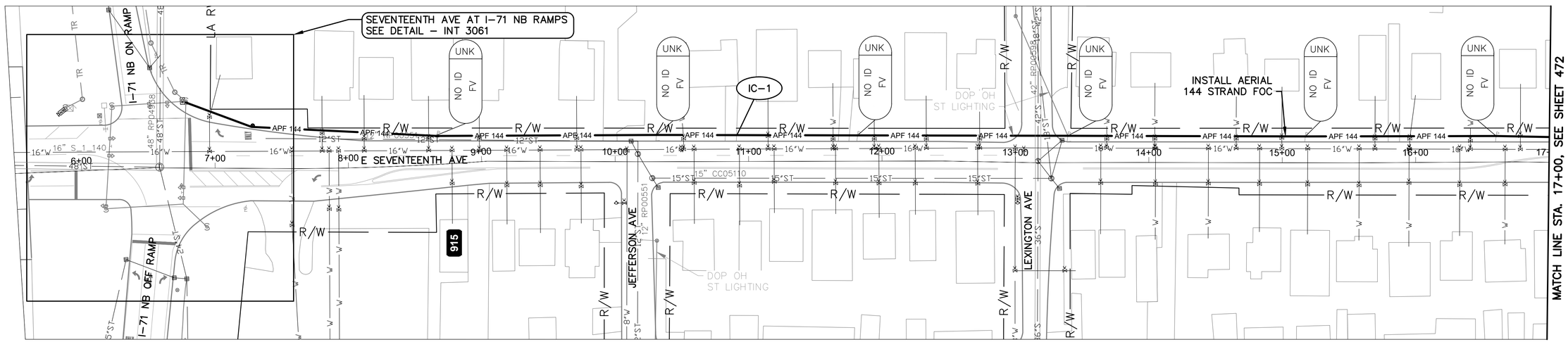
CIP: 540007-100006
PID NUMBER: 82573

SUNBURY RD BETWEEN STA. 12+50 & 34+50
INT SIG4015

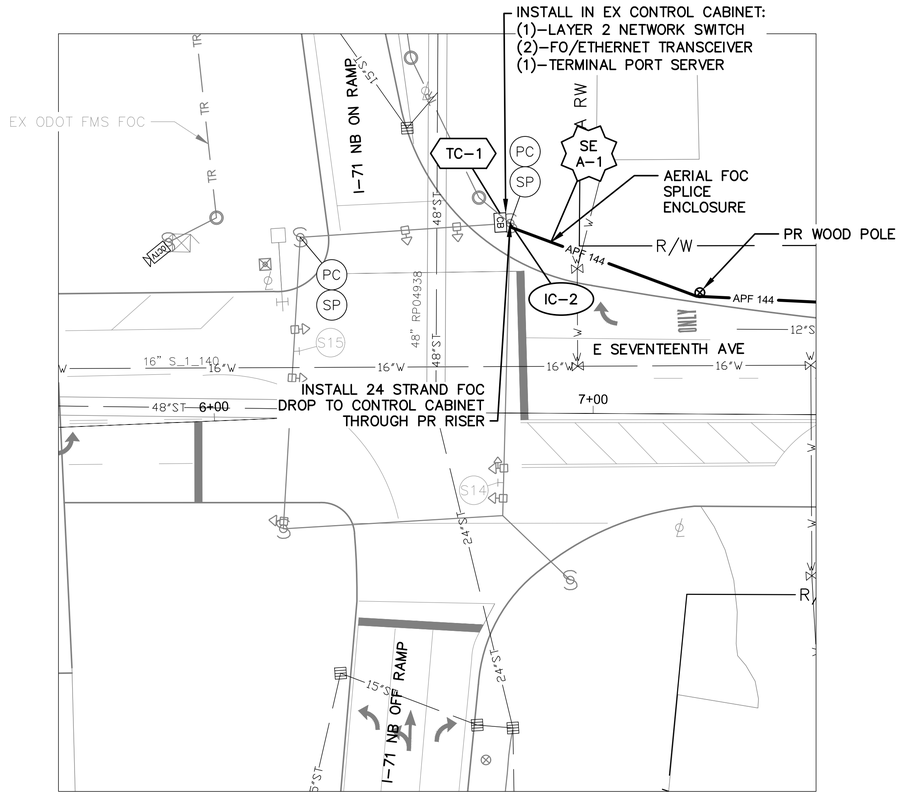
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

470
1000

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SEVENTEENTH AVE BETWEEN STATION 5+50 AND 17+00



DETAIL - INT 3061

0 20 40
HORIZONTAL SCALE IN FEET

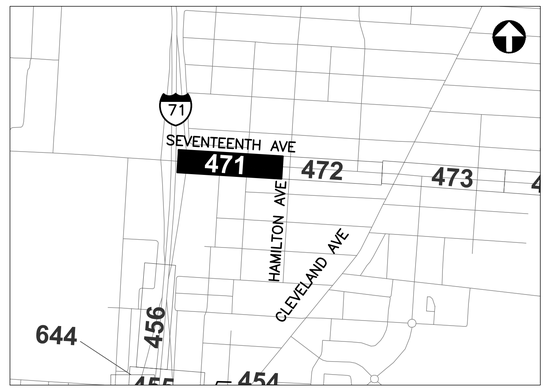
NOTES:

1. SEE SHEET 475 FOR QUANTITIES.
2. SEE SHEETS 676 & 856 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 UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

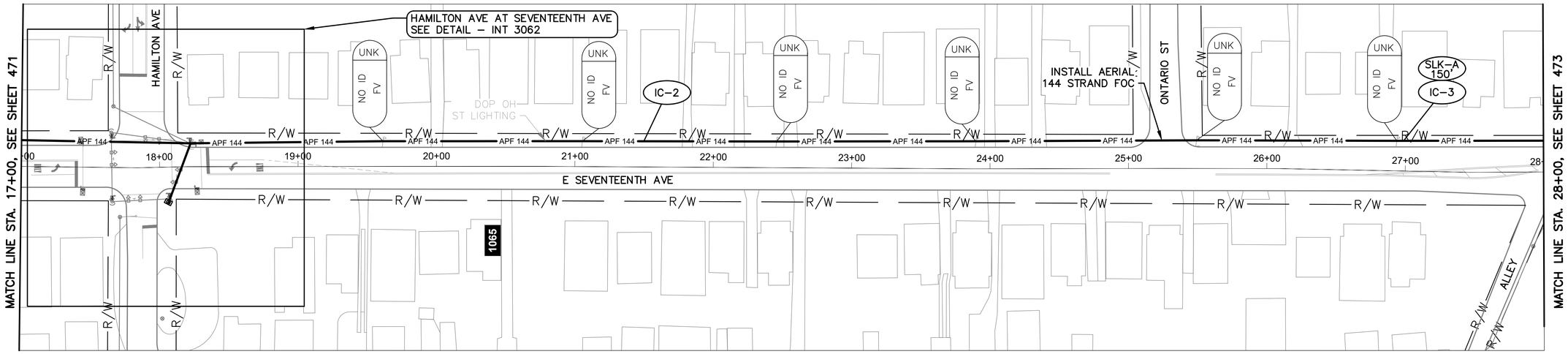
INTERCONNECT PLAN
SEVENTEENTH AVE BETWEEN STA. 5+50 AND 17+00, INT 3061

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

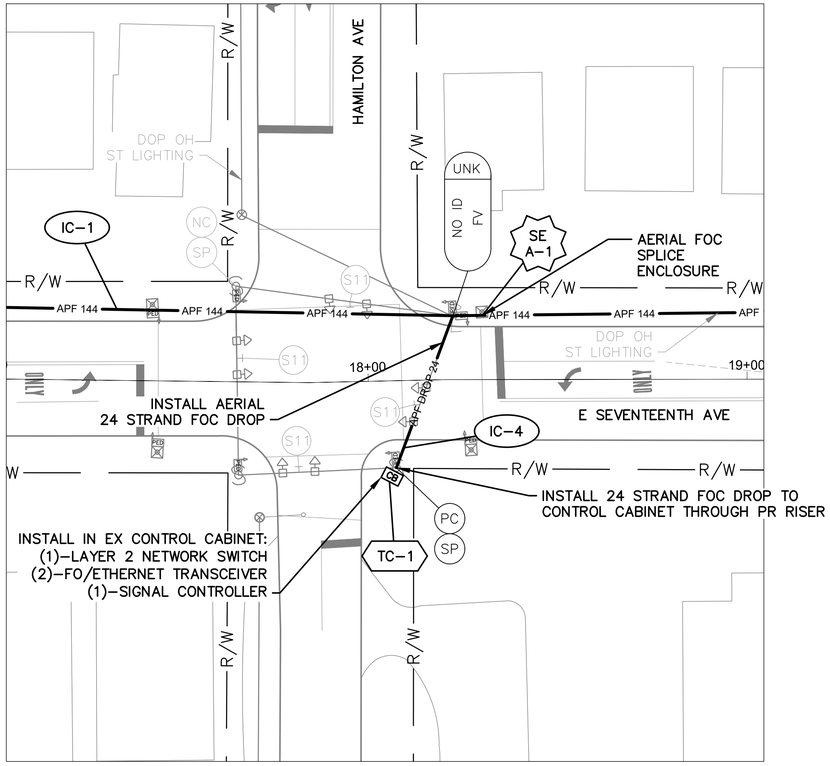
3150-E

471
1000

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SEVENTEENTH AVE BETWEEN STATION 17+00 AND 28+00



DETAIL - INT 3062

0 20 40

HORIZONTAL
SCALE IN FEET

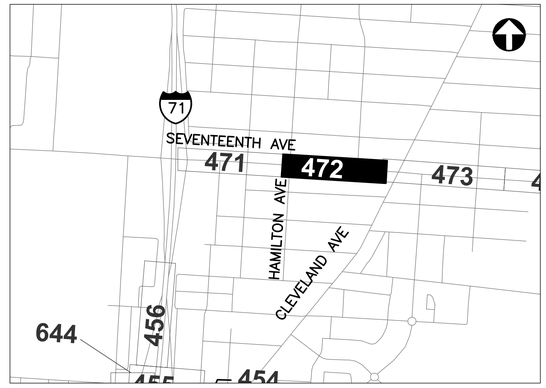
NOTES:

1. SEE SHEET 475 FOR QUANTITIES.
2. SEE SHEETS 676 & 857 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 UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

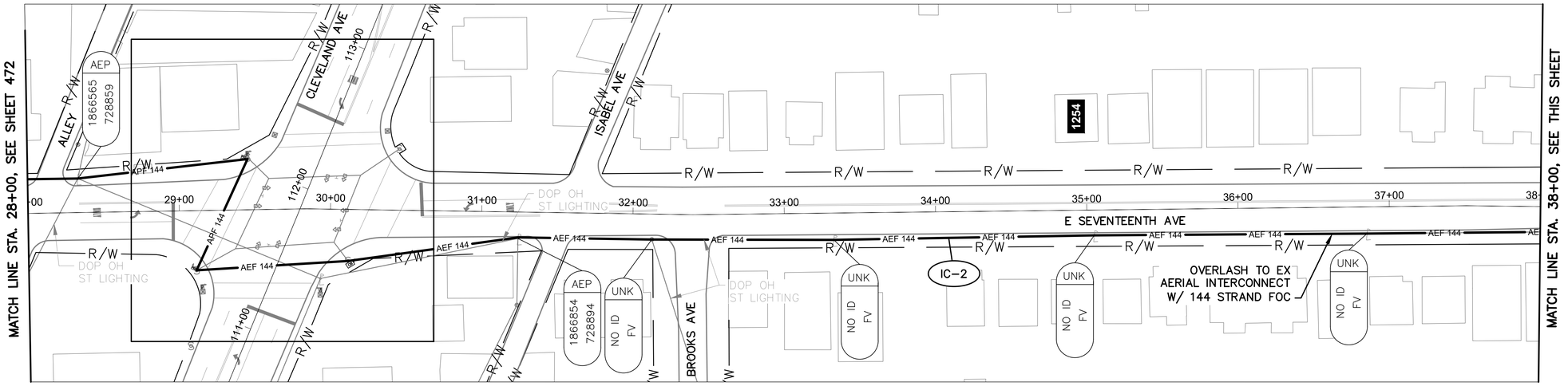
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PID NUMBER: 82573

INTERCONNECT PLAN
SEVENTEENTH AVE BETWEEN STA. 17+00 AND 28+00, INT 3062

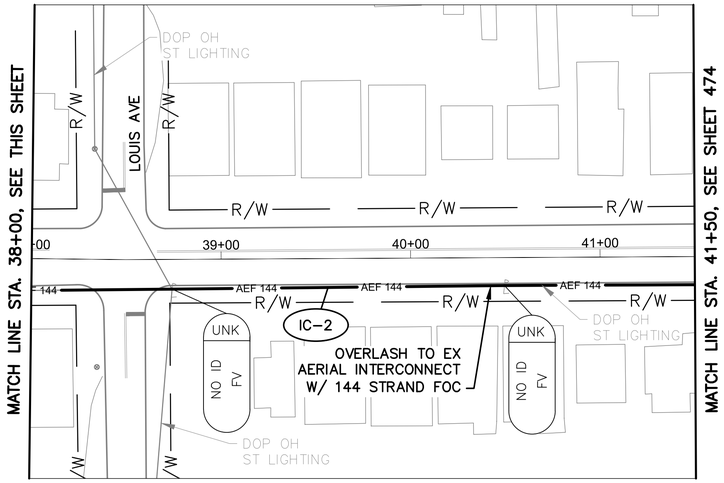
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

472
1000

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SEVENTEENTH AVE BETWEEN STATION 28+00 AND 38+00



SEVENTEENTH AVE BETWEEN STATION 38+00 AND 41+50

DETAIL - INT 3015

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 475 FOR QUANTITIES.
2. SEE SHEETS 676 & 858 FOR COMMUNICATION DETAILS.
3. SPLICE TO COTA BRT (3163–E) PROJECT INSTALLED FOC ENCLOSURE.
4. 150' ADDITIONAL SLACK QUANTIFIED AT SPLICE LOCATION FOR FUTURE DoT USE.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL SCALE IN FEET

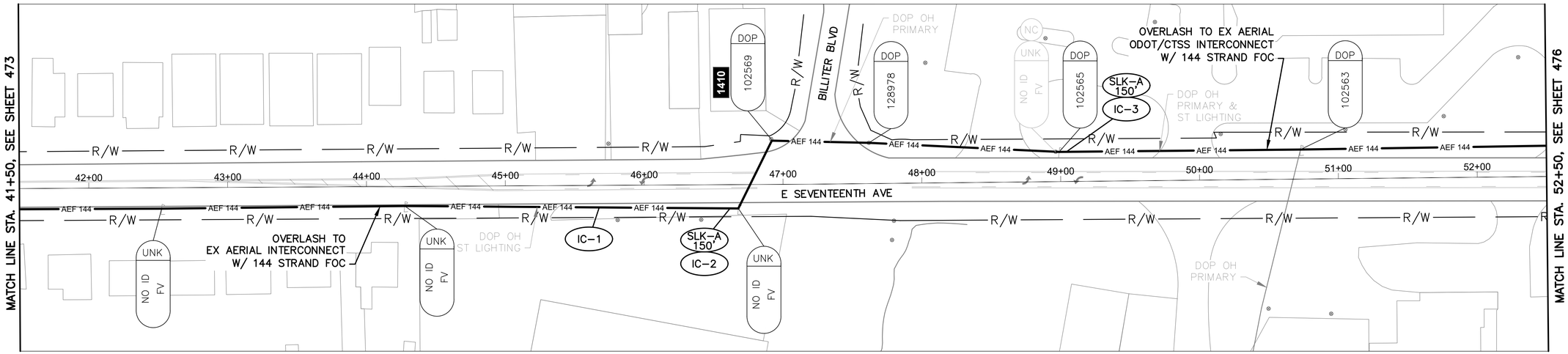
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
SEVENTEENTH AVE BETWEEN STA. 28+00 AND 41+50

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

473
1000

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SEVENTEENTH AVE BETWEEN STATION 41+50 AND 52+50

NOTES:

1. SEE SHEET 475 FOR QUANTITIES.
2. SEE SHEET 676 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
SEVENTEENTH AVE BETWEEN STA. 41+50 AND 52+50

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

474
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk4_SEVENTEENTH_INTERCONNECT.dwg – SEVENTEENTH–4 layout ~ last saved by: jbeans 12/18/2019 02:14pm ~ printed 03/19/2020 03:40pm

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	632 WOOD POLE, CLASS 5, 35 FT EACH	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH EACH	633 CONTROLLER ITEM, MISC.: TERMINAL PORT SERVER EACH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN EACH							
SEVENTEENTH AVE. BETWEEN STA. 5+50 AND 17+00, INT 3061																									
471	SE A-1	SEVENTEENTH AVE	6+77, 50' LT			75	12		1																
471	IC-2	SEVENTEENTH AVE	6+77, 50' LT	6+77, 50' LT						1															
471	TC-1	SEVENTEENTH AVE	6+77, 50' LT		1									2	1	1									
471	IC-1	SEVENTEENTH AVE	6+77, 50' LT	17+00, 19' LT		1,039						1,039	1												
SEVENTEENTH AVE. BETWEEN STA. 17+00 AND 28+00, INT 3062																									
472	IC-1	SEVENTEENTH AVE	17+00, 19' LT	18+22, 17' LT		124						124													
472	IC-4	SEVENTEENTH AVE	18+06, 23' RT	18+22, 17' LT						1		43													
472	TC-1	SEVENTEENTH AVE	18+06, 23' RT		1									2	1		1								
472	SE A-1	SEVENTEENTH AVE	18+22, 17' LT			0	24																		
472	IC-2	SEVENTEENTH AVE	18+22, 17' LT	2+0 , 2 LT		3																			
472	IC-3	SEVENTEENTH AVE	2 +28 LT			0																			
SEVENTEENTH AVE. BETWEEN STA. 28+00 AND 41+50, INT 3015																									
473	IC-1	SEVENTEENTH AVE	28+00, 19' LT	29+11, 17' LT																					
473	IC-2	SEVENTEENTH AVE	29+11, 17' RT	4 +50 5' RT		1,258		1,2																	
473	IC-3	SEVENTEENTH AVE	29+11, 17' RT	3 +12 3' RT								1													
473	SE A-1	SEVENTEENTH AVE	29+11, 00' RT			0	228																		
SEVENTEENTH AVE. BETWEEN STA. 41+50 AND 52+50																									
474	IC-1	SEVENTEENTH AVE	41+ 0, 1 RT	2 50, 22' L		1,51		51																	
474	IC-2	SEVENTEENTH AVE	46+ 2, 1 RT			150																			
474	IC-3	SEVENTEENTH AVE	49+ 4, 2 LT			50																			
SHEET TOTAL					2	5,771	264	2,409	2	2	1	2,430	1	4	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.

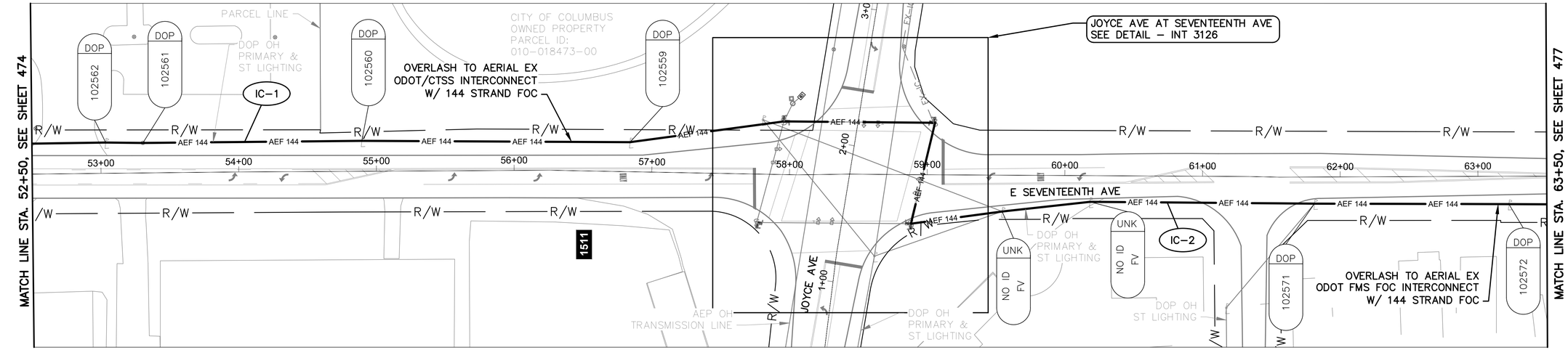
CIP: 540007-100006
PID NUMBER: 82573

SEVENTEENTH AVE BETWEEN STA. 5+50 & 52+50
INTS 3061, 3062, 3015

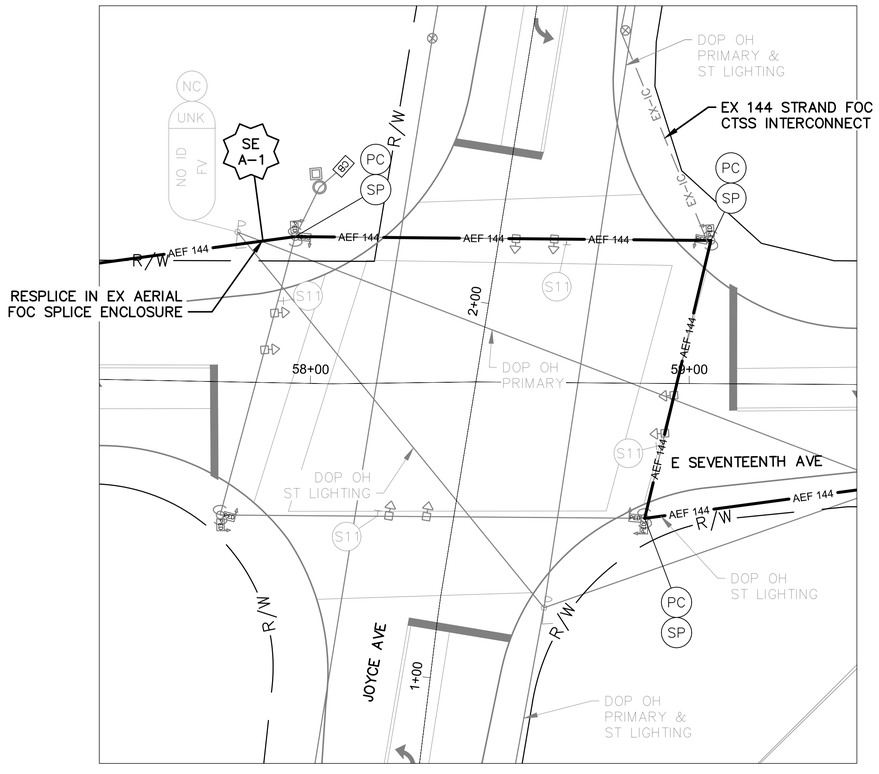
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

475
1000

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SEVENTEENTH AVE BETWEEN STATION 52+50 AND 63+50



DETAIL - INT 3126

0 20 40

HORIZONTAL
SCALE IN FEET

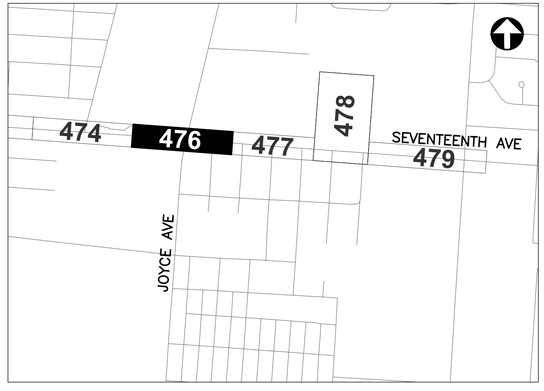
NOTES:

1. SEE SHEET 480 FOR QUANTITIES.
2. SEE SHEETS 676 & 859 FOR COMMUNICATION DETAILS.
3. 150' ADDITIONAL SLACK QUANTIFIED AT SPLICE LOCATION FOR FUTURE DoT USE.

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- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 347 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

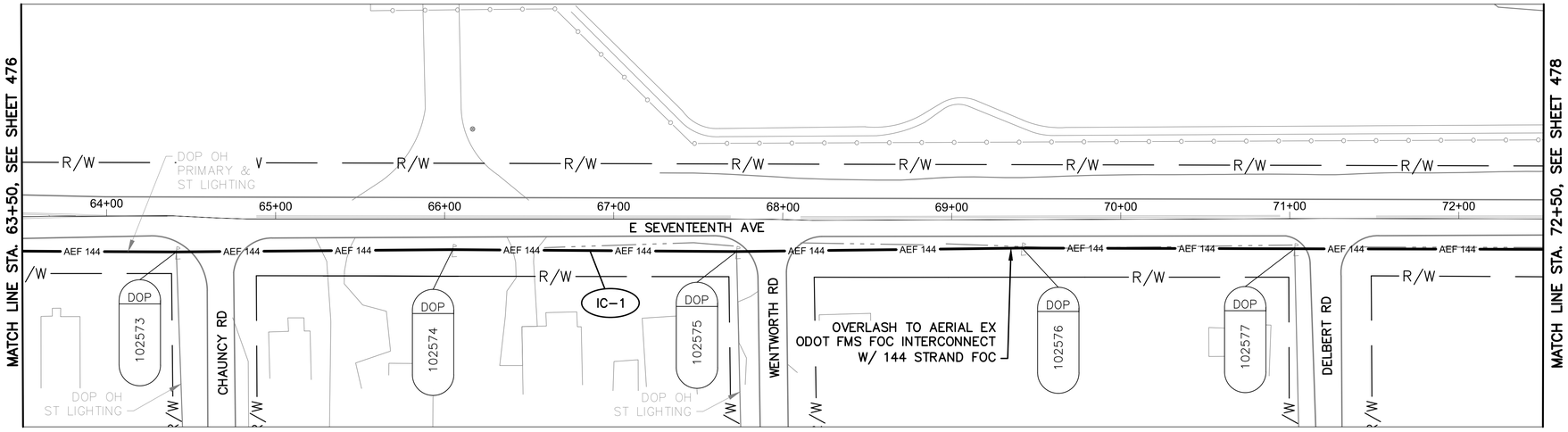
INTERCONNECT PLAN
SEVENTEENTH AVE BETWEEN STA. 52+50 AND 63+50, INT 3126

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

476
1000

3150-E

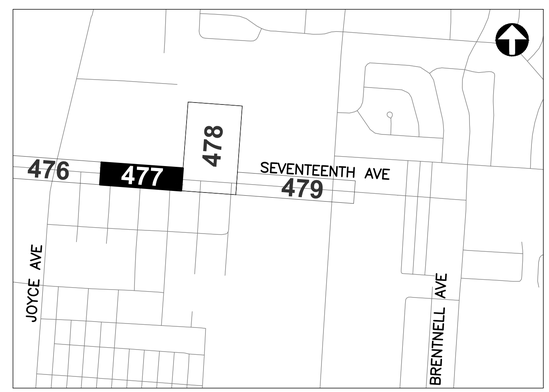
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SEVENTEENTH AVE BETWEEN STATION 63+50 AND 72+50

NOTES:

1. SEE SHEET 480 FOR QUANTITIES.
2. SEE SHEET 676 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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- ☒ POWER
- ☒ LIGHTING

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HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

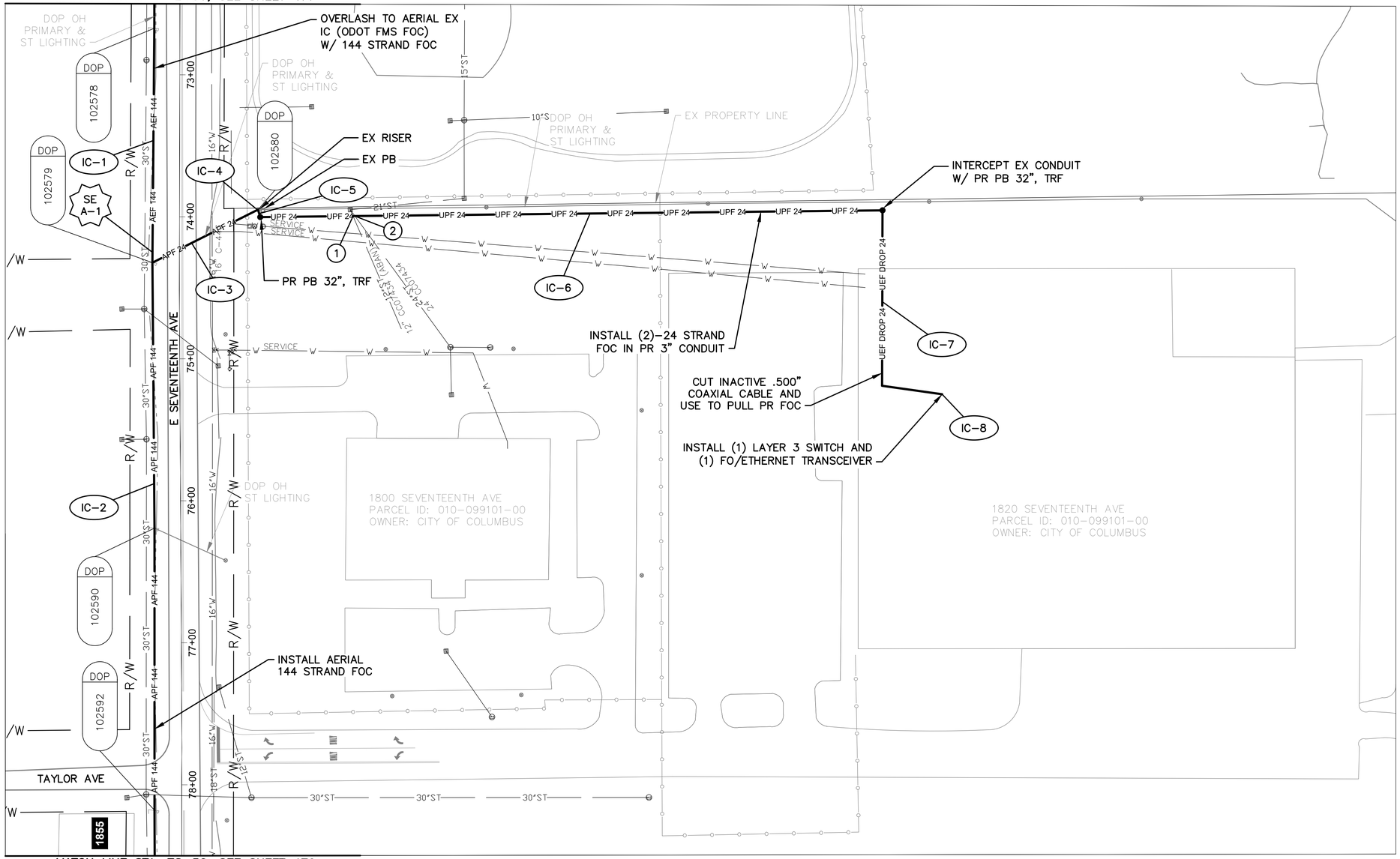
INTERCONNECT PLAN
SEVENTEENTH AVE BETWEEN STA. 63+50 AND 72+50

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

3150-E

477
1000

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SEVENTEENTH AVE BETWEEN STA. 72+50 AND 78+50

NOTES:

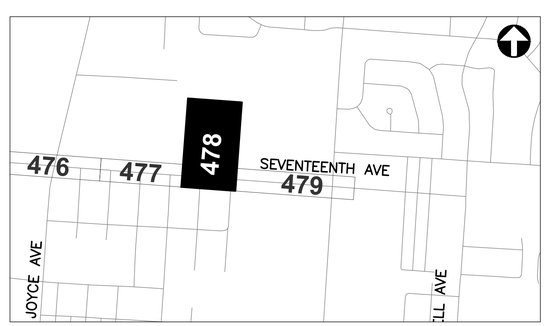
1. SEE SHEET 480 FOR QUANTITIES.
2. SEE SHEETS 676, 984 & 985 FOR COMMUNICATION DETAILS.
3. SEE SHEET 59 FOR CONNECTION DETAILS TO 1820 SEVENTEENTH AVE.
4. 150' ADDITIONAL SLACK QUANTIFIED AT SPLICE LOCATION FOR FUTURE DoT USE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 355.

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- WATER
- POWER
- LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

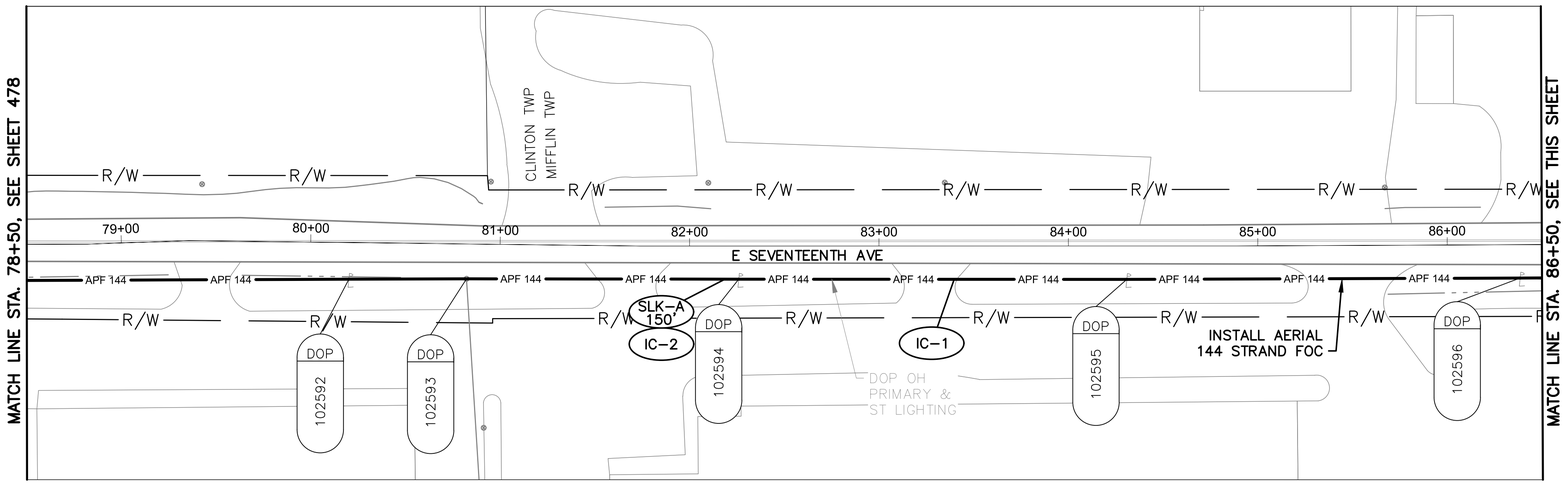
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
SEVENTEENTH AVE BETWEEN STA. 72+50 AND 78+50, FACILITY DETAIL TMWS

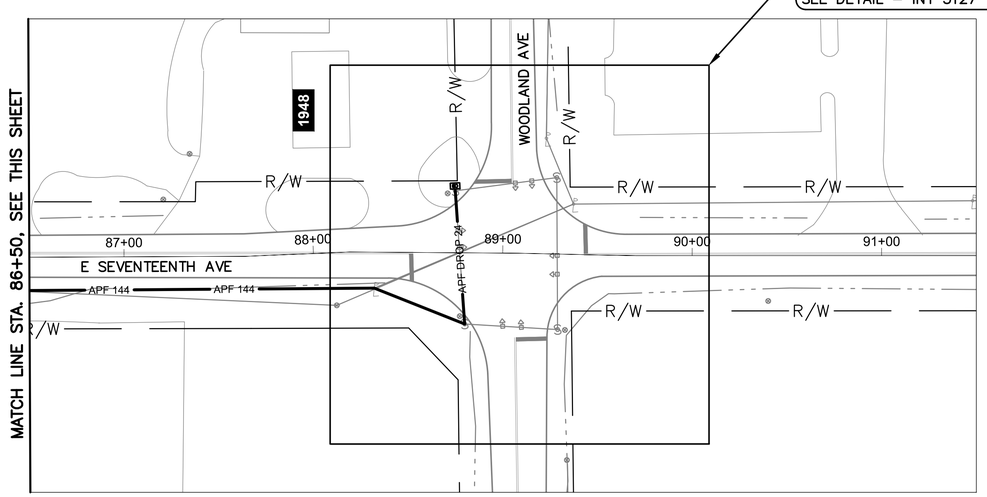
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

478
1000

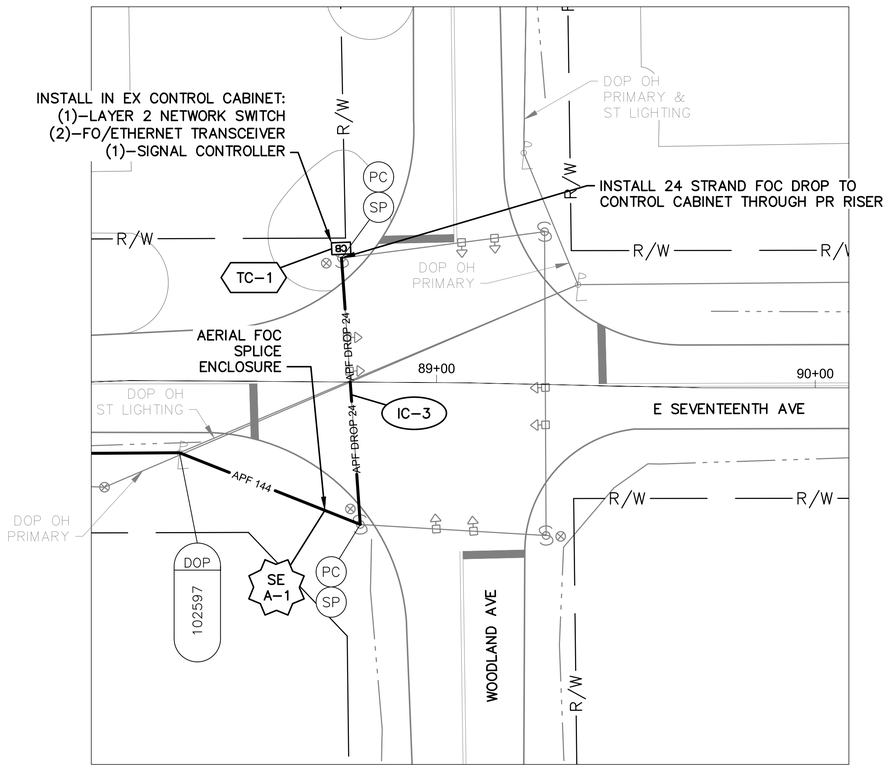
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SEVENTEENTH AVE BETWEEN STATION 78+50 AND 86+50



SEVENTEENTH AVE BETWEEN STATION 86+50 AND 91+50



DETAIL - INT 3127

0 20 40
HORIZONTAL
SCALE IN FEET

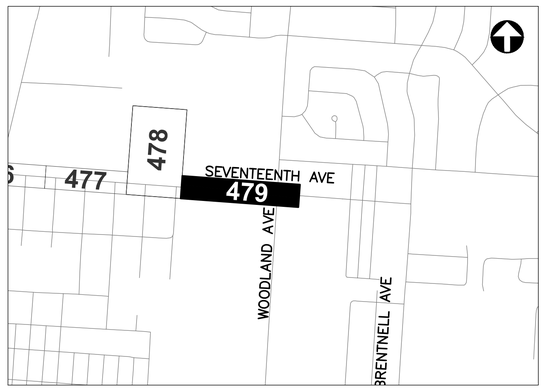
NOTES:

1. SEE SHEET 480 FOR QUANTITIES.
2. SEE SHEETS 676 & 860 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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REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
SEVENTEENTH AVE BETWEEN STA. 78+50 AND 91+50, INT 3127

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

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN FT	625 CONDUIT, 3", AS PER PLAN FT	625 PULL BOX, CONCRETE 32", AS PER PLAN EACH	625 TRENCH, 36" DEEP, AS PER PLAN FT	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH EACH	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH EACH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN EACH			
SEVENTEENTH AVE. BETWEEN STA. 52+50 AND 63+50, INT 3126																										
476	IC-1	SEVENTEENTH AVE	52+50, 22' LT	57+95, 39' LT						555			555													
476	SE A-1	SEVENTEENTH AVE	57+95, 39' LT							300		48														
476	IC-2	SEVENTEENTH AVE	57+95, 39' LT	63+50, 21' RT						662			546													
SEVENTEENTH AVE. BETWEEN STA. 63+50 AND 72+50																										
477	IC-1	SEVENTEENTH AVE	63+50, 21' RT	72+50, 18' RT						900			900													
SEVENTEENTH AVE. BETWEEN STA. 72+50 AND 78+50, INT COC_TMWS																										
478	IC-1	SEVENTEENTH AVE	72+50, 18' RT	74+33, 19' RT						181			181													
478	IC-4	SEVENTEENTH AVE	73+9[illegible], 55' LT								3															
478	IC-3	SEVENTEENTH AVE	73+9[illegible], 55' LT	74+33, 19' RT							4															
478	IC-5	SEVENTEENTH AVE	73+94, 55' LT	74+60, 57' LT							3															
478	SE U-1	SEVENTEENTH AVE	73+94, 495' LT				1				75	24		1												
478	IC-7	SEVENTEENTH AVE	73+94, 495' LT	75+28, 537' LT	165												1									
478	IC-6	SEVENTEENTH AVE	74+[illegible], 57' LT	73+[illegible], 49[illegible] LT		9	1	39			9															
478	SE A-1	SEVENTEENTH AVE	74+[illegible], 19' RT								5	2		1												
478	IC-2	SEVENTEENTH AVE	74+[illegible], 19' RT	78+[illegible], 19' RT						316		3						16								
478	IC-8	SEVENTEENTH AVE	75+28, 537' LT																1			1				
SEVENTEENTH AVE. BETWEEN STA. 78+50 AND 91+50, INT 3127																										
479	IC-1	SEVENTEENTH AVE	78+[illegible], 39' RT	88+80, 38' RT						1,033								33								
479	IC-2	SEVENTEENTH AVE	82+[illegible], 38' RT							150																
479	TC-1	SEVENTEENTH AVE	88+76, 36' LT						1										2		1					
479	IC-3	SEVENTEENTH AVE	88+76, 36' LT	88+80, 38' RT											1			74								
479	SE A-1	SEVENTEENTH AVE	88+80, 38' RT							75		12		1												
SHEET TOTAL					170	439	2	439	1	4,672	713	120	2,182	3	1	1	1,707	3	1	1	1	-	-	-		

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

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

3150-E

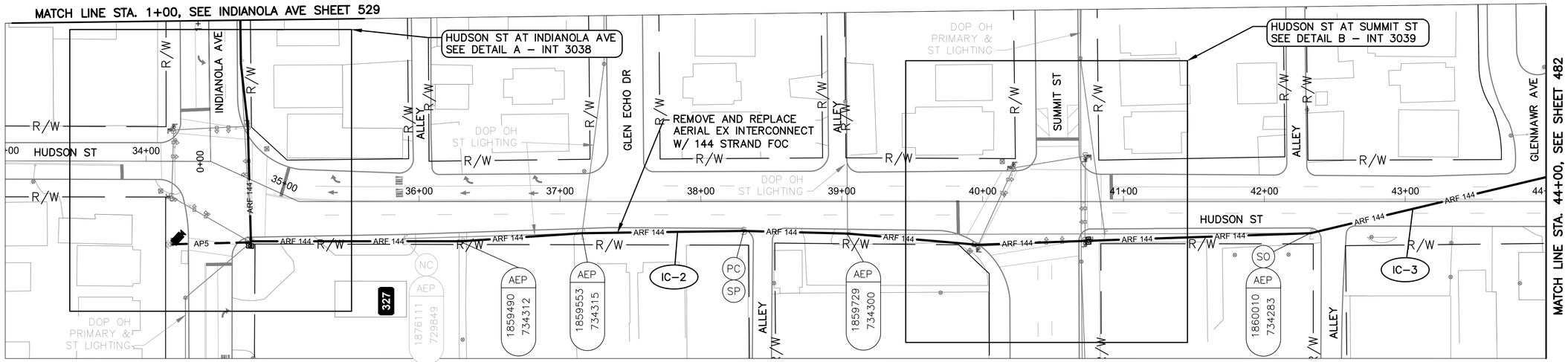
CIP: 540007-100006
PID NUMBER: 82573

SEVENTEENTH AVE BETWEEN STA. 52+50 & 91+50
INTS 3126, COC_TMWS, 3127

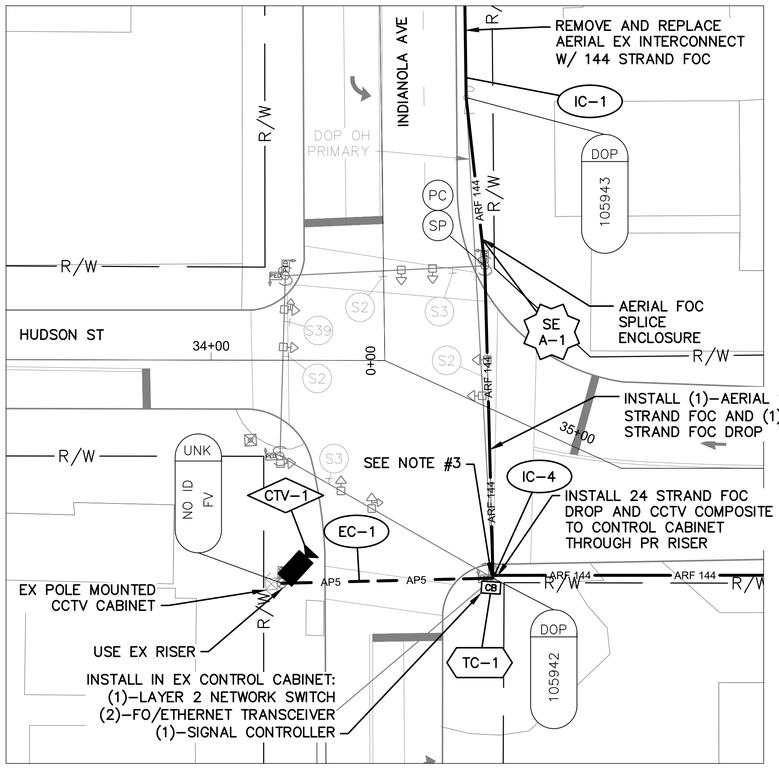
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

480
1000

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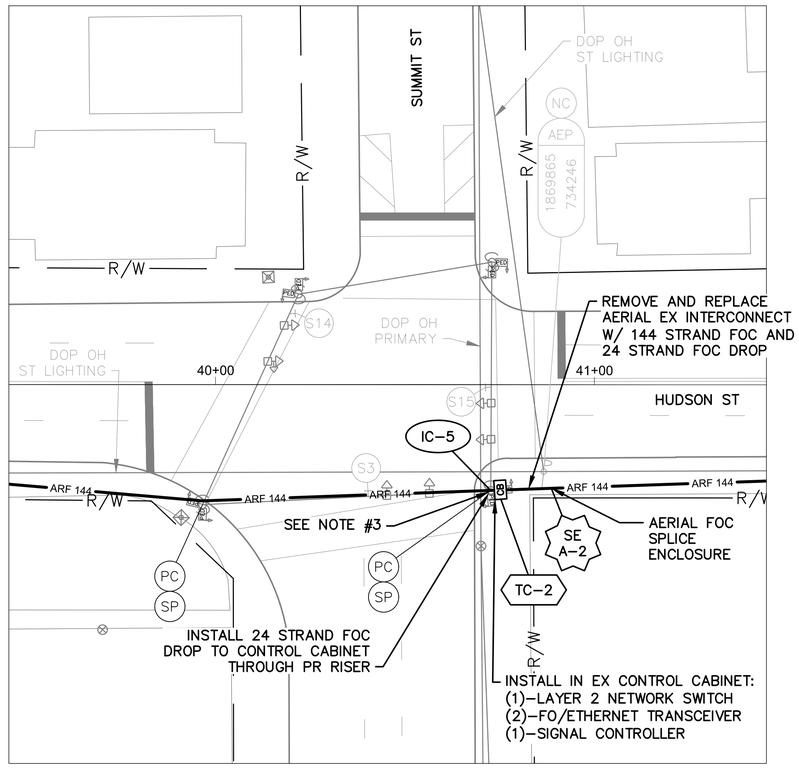


HUDSON ST BETWEEN STATION 33+00 AND 44+00



DETAIL A - INT 3038

0 20 40
HORIZONTAL
SCALE IN FEET



DETAIL B - INT 3039

0 20 40
HORIZONTAL
SCALE IN FEET

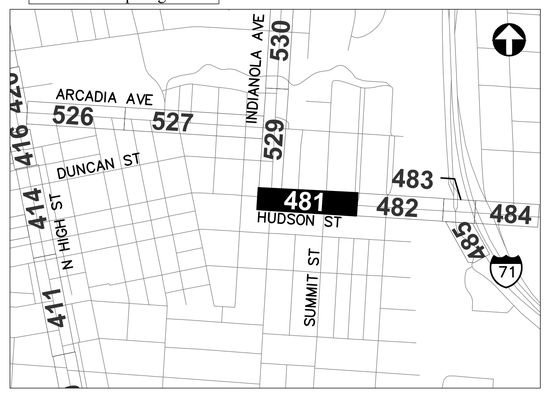
NOTES:

1. SEE SHEET 486 FOR QUANTITIES.
2. SEE SHEETS 669, 784 & 785 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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REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100006
PID NUMBER: 82573

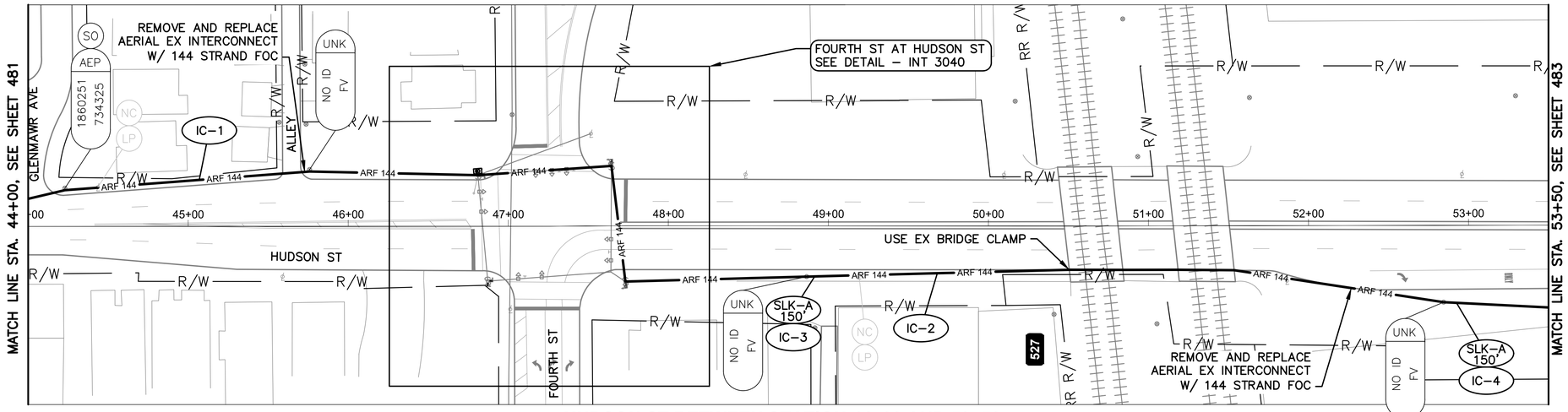
INTERCONNECT PLAN
HUDSON ST BETWEEN STA. 33+00 AND 44+00, INTS 3038 & 3039

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

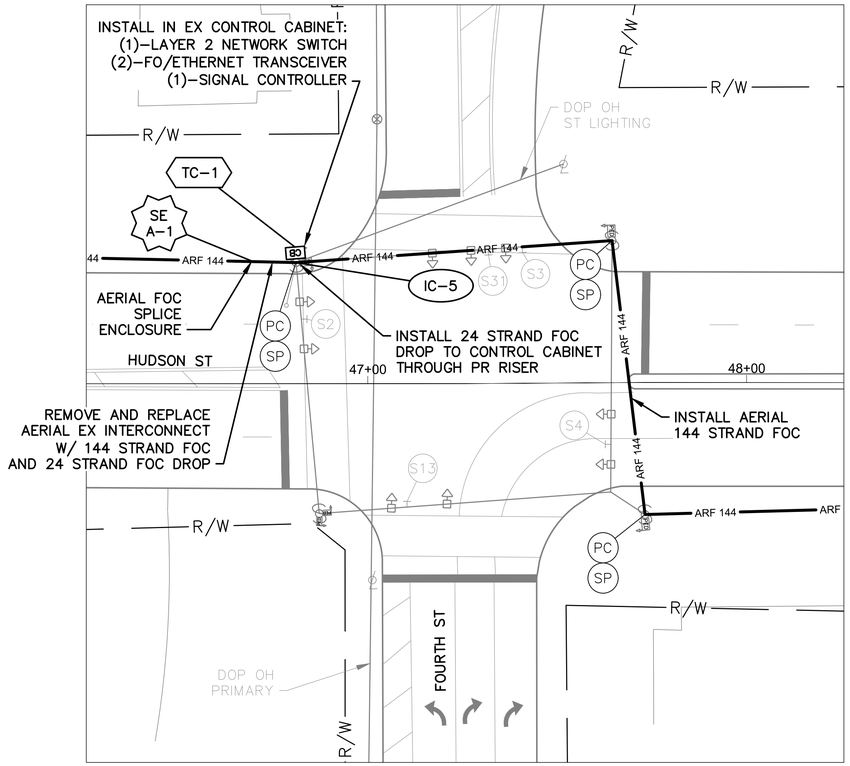
481
1000

3150-E

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HUDSON ST BETWEEN STATION 44+00 AND 53+50



DETAIL - INT 3040

0 20 40

HORIZONTAL SCALE IN FEET

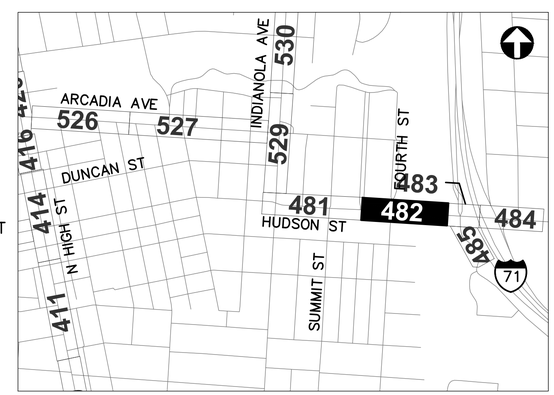
NOTES:

1. SEE SHEET 486 FOR QUANTITIES.
2. SEE SHEETS 669 & 786 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 51+00, 35' RT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.
4. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

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- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80

HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

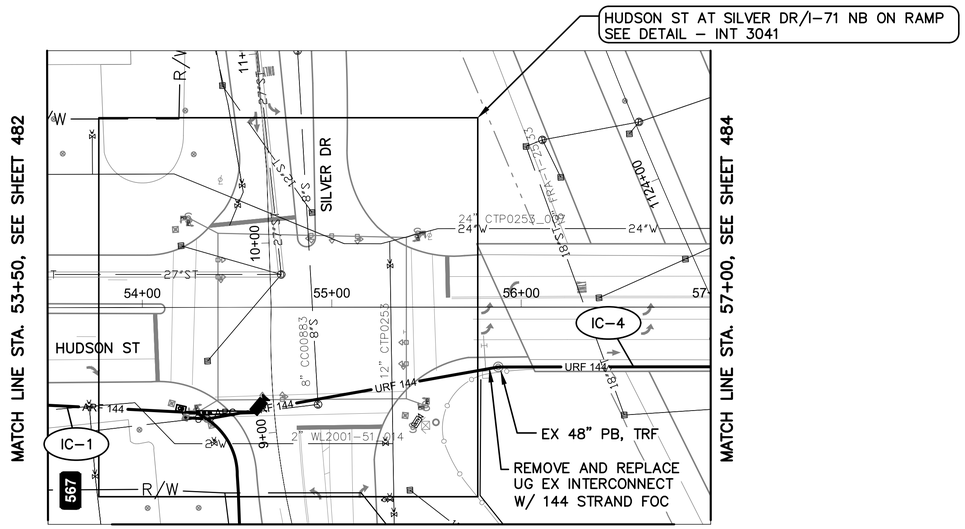
INTERCONNECT PLAN
HUDSON ST BETWEEN STA. 44+00 AND 53+50, INT 3040

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

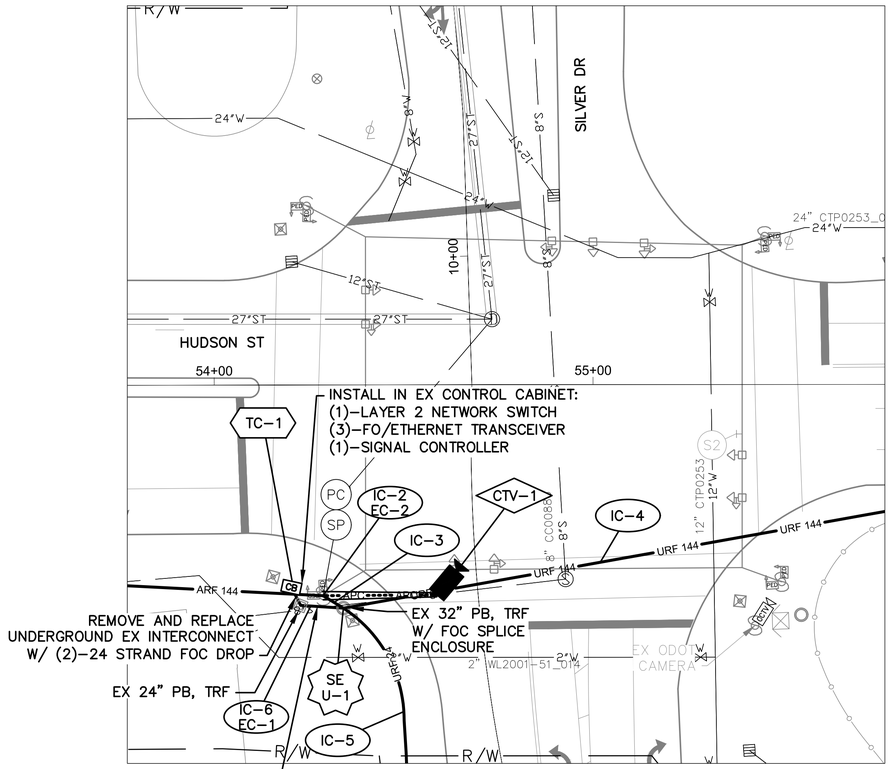
482
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3150-E

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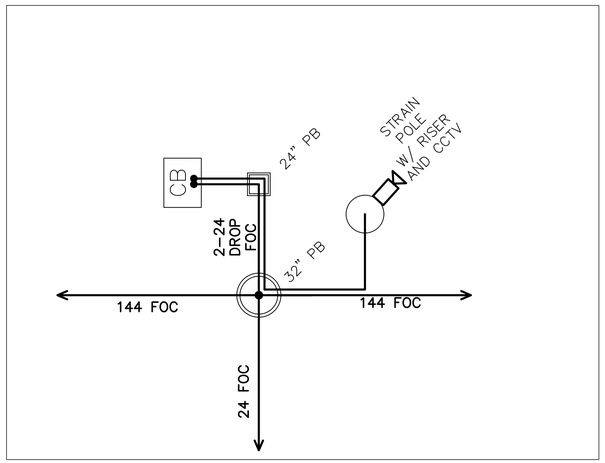


HUDSON ST BETWEEN STATION 53+50 AND 57+00



DETAIL - INT 3041

0 20 40
HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 3041

NOT TO SCALE

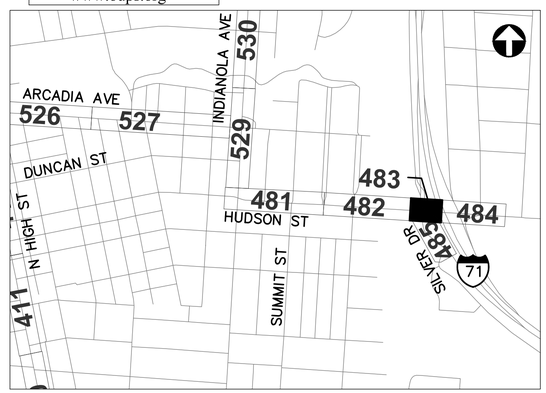
NOTES:

1. SEE SHEET 486 FOR QUANTITIES.
2. SEE SHEETS 669 & 787 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

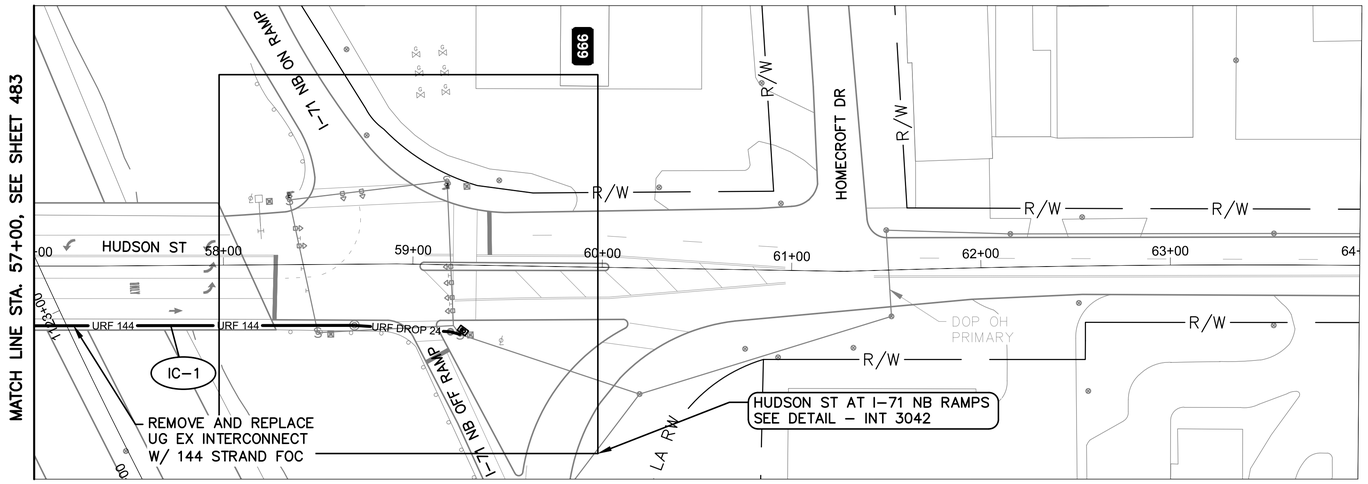
INTERCONNECT PLAN
HUDSON ST BETWEEN STA. 53+50 AND 57+00, INT 3041

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

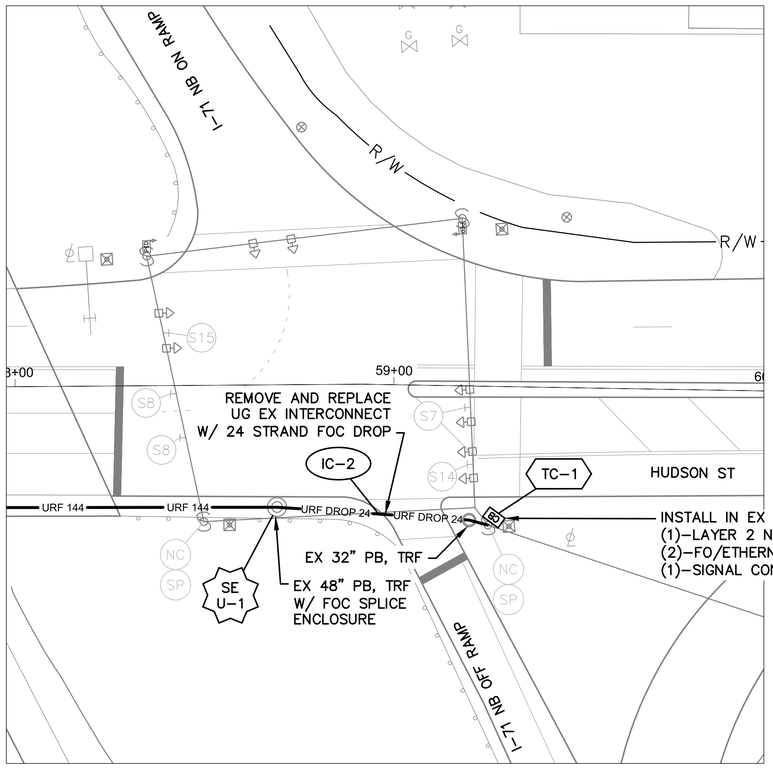
483
1000

3150-E

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HUDSON ST BETWEEN STATION 57+00 AND 64+00



DETAIL - INT 3042

0 20 40

HORIZONTAL
SCALE IN FEET

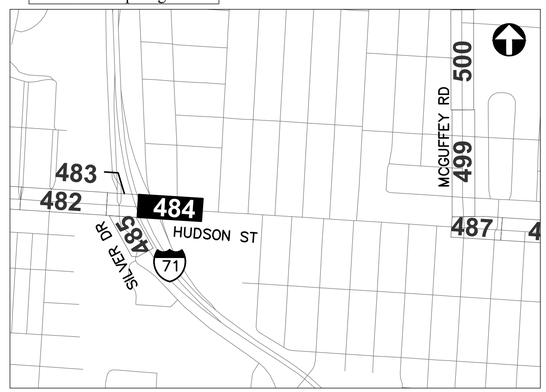
NOTES:

1. SEE SHEET 486 FOR QUANTITIES.
2. SEE SHEETS 669 & 789 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

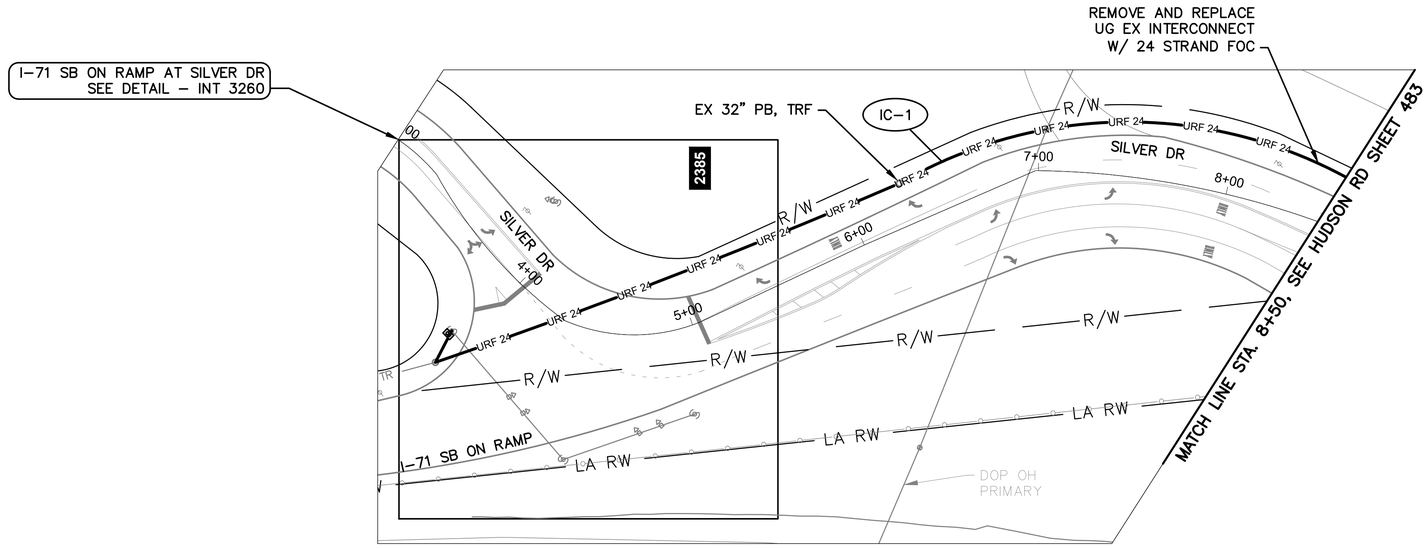
INTERCONNECT PLAN
HUDSON ST BETWEEN STA. 57+00 AND 64+00, INT 3042

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

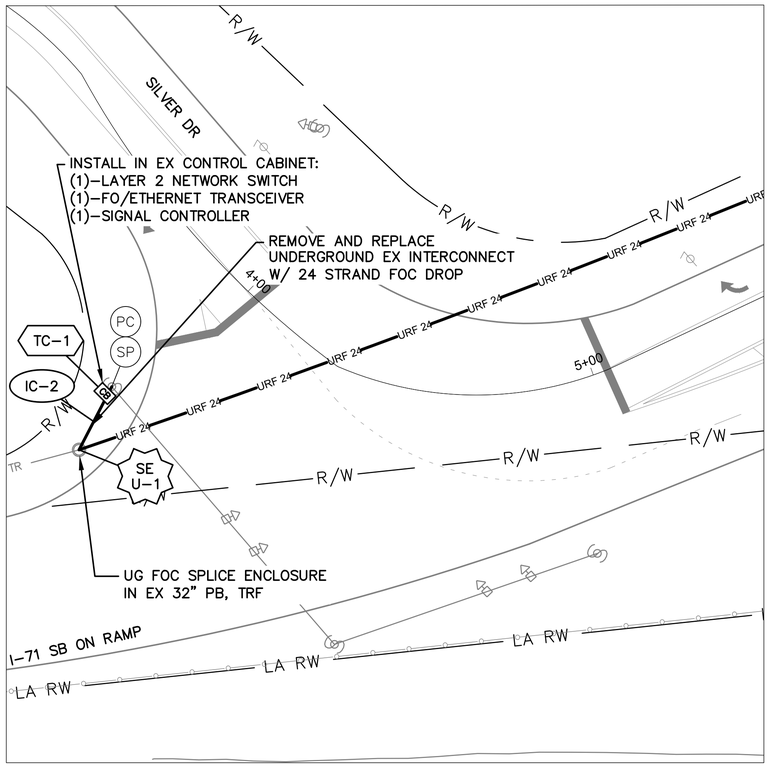
484
1000

3150-E

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SILVER DR BETWEEN STATION 3+00 AND 8+50



DETAIL - INT 3260

0 20 40

HORIZONTAL
SCALE IN FEET

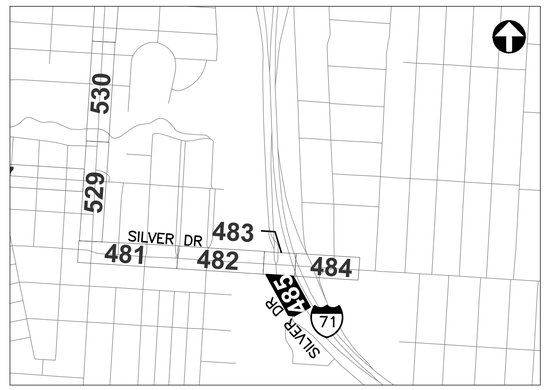
NOTES:

1. SEE SHEET 486 FOR QUANTITIES.
2. SEE SHEETS 669 & 788 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
SILVER DR BETWEEN STA. 3+00 AND 8+50, INT 3260

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

485
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN (FT)	625 BRACKET ARM, 30', AS PER PLAN (EACH)	632 CONDUIT RISER, 2", 725.04, AS PER PLAN (EACH)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND (FT)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND (FT)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE (EACH)	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT (FT)	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE (EACH)	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE (EACH)	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN (FT)	632 SIGNALIZATION, MISC.: CAT 5E CABLE, OUTDOOR RATED (FT)	632 SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE (FT)	632 SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM (EACH)	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE (EACH)	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH (EACH)	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN (EACH)				
HUDSON ST. BETWEEN STA. 33+00 AND 44+00, INTS 3038 & 3039																										
481	CTV-1	HUDSON ST	34+18, 58' RT												90	45	1									
481	EC-1	HUDSON ST	34+18, 59' RT	34+97, 43' RT										57	114											
481	SE A-1	HUDSON ST	34+56, 40' LT					150		156		1														
481	IC-4	HUDSON ST	34+56, 40' LT	34+97, 43' RT									1													
481	TC-1	HUDSON ST	34+97, 43' RT				1								90				2	1	1					
481	IC-2	HUDSON ST	34+56, 40' LT	40+72, 28' RT				694			684			694											
481	IC-1	HUDSON ST	34+56, 40' LT	1+00, 22' RT				39			38			39											
481	IC-3	HUDSON ST	40+82, 28' RT	44+00, 18' LT				327			322			327											
481	SE A-2	HUDSON ST	40+82, 28' RT					150		24		1													
481	IC-5	HUDSON ST	40+82, 28'	40+82,									1												
481	TC-2	HUDSON ST	40+82, 28' R				1												2	1	1					
HUDSON ST. BETWEEN STA. 44+00 AND 53+50, INT 3040																										
482	IC-1	HUDSON ST	44+00, 18' LT	46+71, 32' LT				276			272			276											
482	SE A-1	HUDSON ST	46+71, 32' LT					150		24		1													
482	IC-5	HUDSON ST	46+71, 32'	53+81, 32'																						
482	TC-1	HUDSON ST	46+81, 32'				1														1					
482	IC-2	HUDSON ST	46+71, 32' L	53+50, 51'				7			744			3											
482	IC-3	HUDSON ST	48+91, 32' RT					150																		
482	IC-4	HUDSON ST	52+92, 48' RT					150																		
HUDSON ST. BETWEEN STA. 53+50 AND 57+00, INT 3041																										
483	IC-1	HUDSON ST	53+50, 51' RT	54+29, 57' RT				80			79			0											
483	TC-1	HUDSON ST	54+20, 53' RT													10			3	1	1					
483	IC-6	HUDSON ST	54+20, 53' RT	54+34, 59' RT	21								2													
483	EC-3	HUDSON ST	54+29, 57' RT	54+59, 55' RT		1										30										
483	IC-2	HUDSON ST	54+29, 57' RT					35																		
483	EC-1	HUDSON ST	54+29, 57' RT													5										
483	EC-2	HUDSON ST	54+29, 57' RT	54+34, 59' RT												21										
483	IC-3	HUDSON ST	54+29, 57' RT	54+34, 59' RT	11			11																		
483	SE U-1	HUDSON ST	54+34, 59' RT					150	75	48		1														
483	IC-4	HUDSON ST	54+34, 59' RT		268																					
483	IC-5	SILVER DR	3+50, 2[illegible] LT	8+10, [illegible] LT	6				1																	
483	CTV-1	HUDSON ST	54+59, 55' RT														1									
HUDSON ST. BETWEEN STA. 57+00 AND 64+00, INT 3042																										
484	IC-1	HUDSON ST	57+00, 36' RT	58+69, 32' RT	170			170																		
484	SE U-1	HUDSON ST	58+69, 32' RT					75		12		1														
484	IC-2	HUDSON ST	58+69, 32' RT	59+25, 37' RT	56								1													
484	TC-1	HUDSON ST	59+25, 37' RT																2	1	1					
SILVER DR. BETWEEN STA. 3+00 AND 8+50, INT 3260																										
485	TC-1	SILVER DR	3+92, 43' RT																1	1	1					
485	IC-2	SILVER DR	3+92, 43' RT	3+97, 61' RT	24								1													
485	IC-1	SILVER DR	3+97, 61' RT	8+50, 27' LT	509				509																	
485	SE U-1	SILVER DR	3+97, 61' RT						75	12		1														
SHEET TOTAL					1,120	1	3	3,630	720	276	2,139	6	7	2,228	294	141	2	12	6	6	-	-	-	-		

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

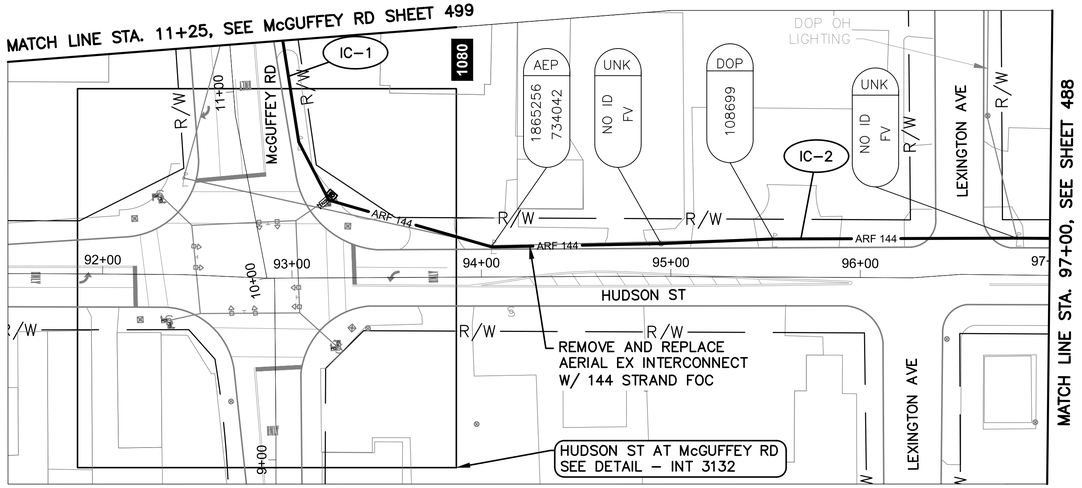
QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.

CIP: 540007–100006
PID NUMBER: 82573

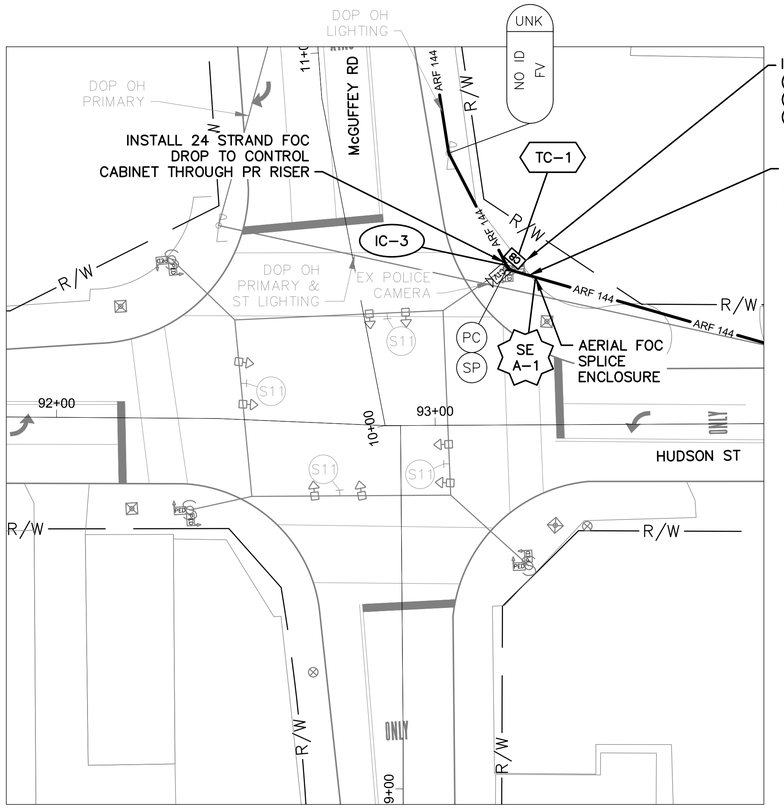
HUDSON RD BTW 33+00 & 44+00, SILVER DR BTW 3+00 & 8+50
INTS 3038, 3039, 3040, 3041, 3042, 3260

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

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HUDSON ST BETWEEN STATION 91+50 AND 97+00



DETAIL - INT 3132

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 494 FOR QUANTITIES.
2. SEE SHEETS 673 & 842 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 UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

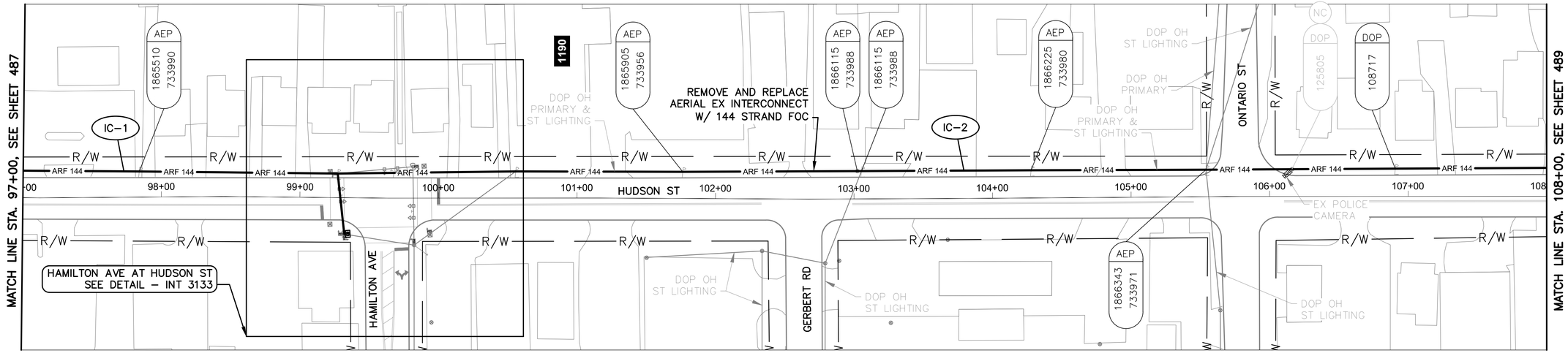
INTERCONNECT PLAN
HUDSON ST BETWEEN STA. 91+50 AND 97+00, INT 3132

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

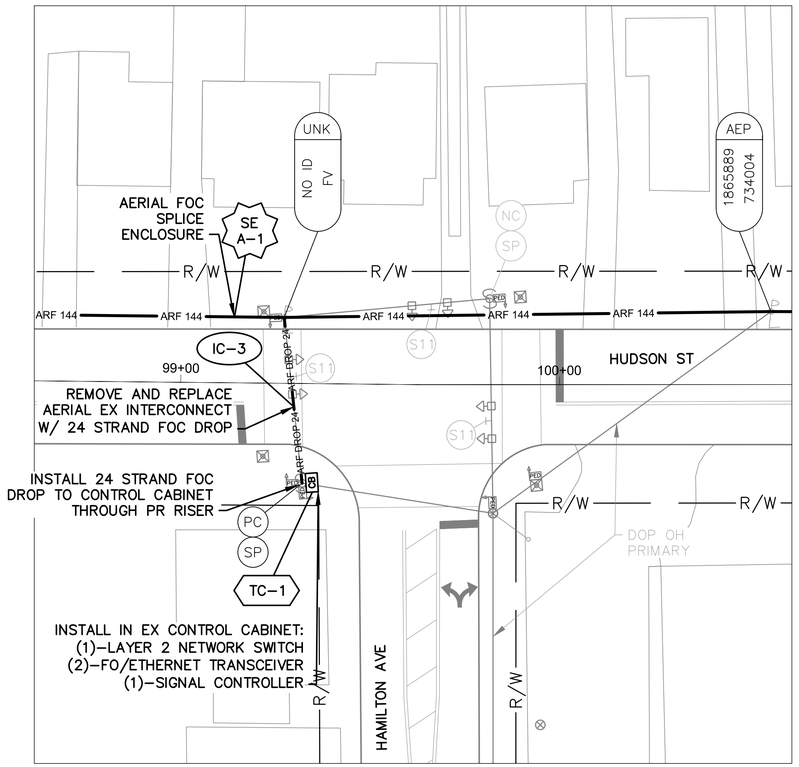
487
1000

3150-E

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HUDSON ST BETWEEN STATION 97+00 AND 108+00



DETAIL - INT 3133

0 20 40

HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 494 FOR QUANTITIES.
2. SEE SHEETS 673 & 843 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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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

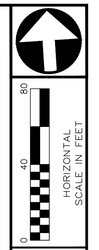
- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E



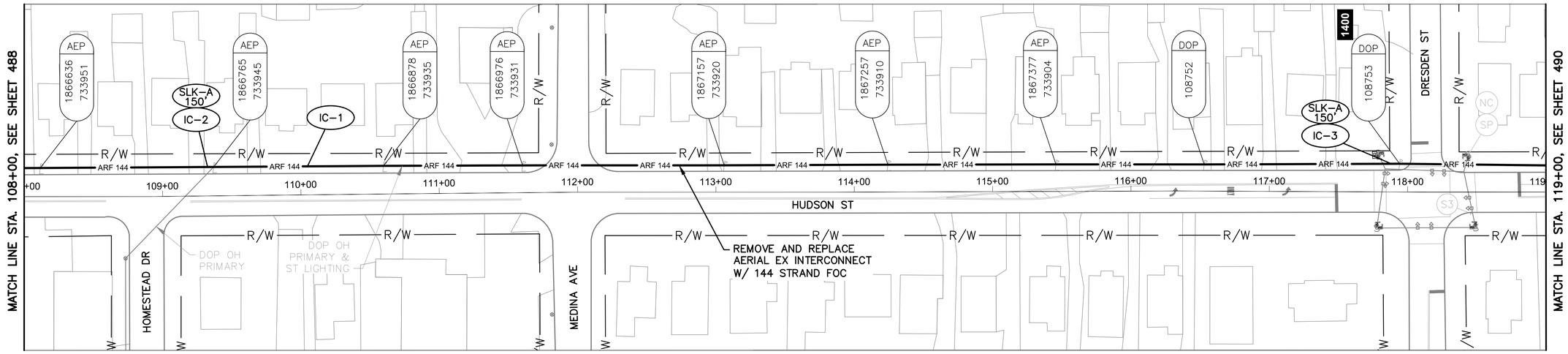
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PID NUMBER: 82573

INTERCONNECT PLAN
HUDSON ST BETWEEN STA. 97+00 AND 108+00, INT 3133

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

488
1000

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HUDSON ST BETWEEN STATION 108+00 AND 119+00

NOTES:

1. SEE SHEET 494 FOR QUANTITIES.
2. SEE SHEET 673 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

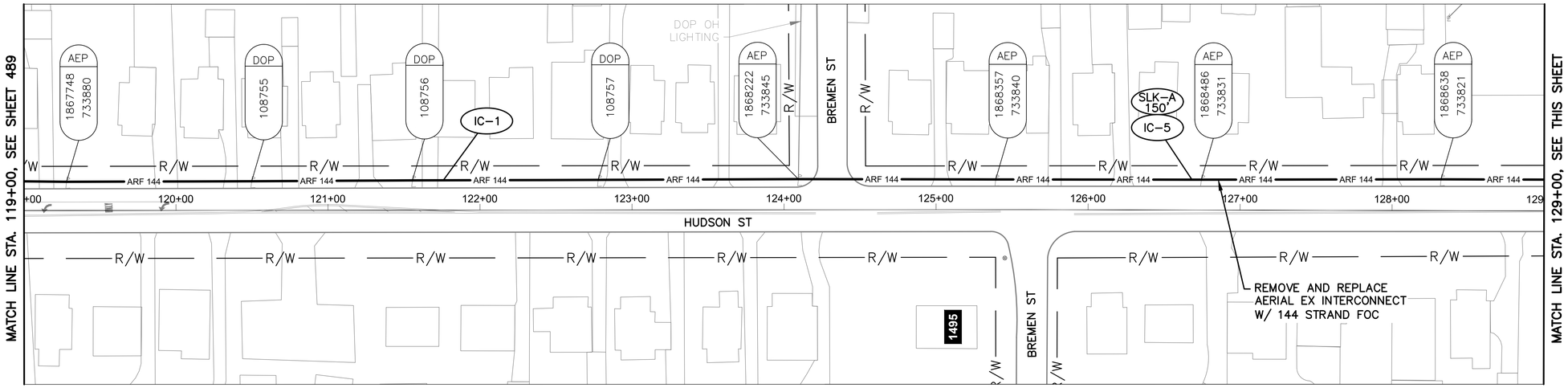
INTERCONNECT PLAN
HUDSON ST BETWEEN STA. 108+00 AND 119+00

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

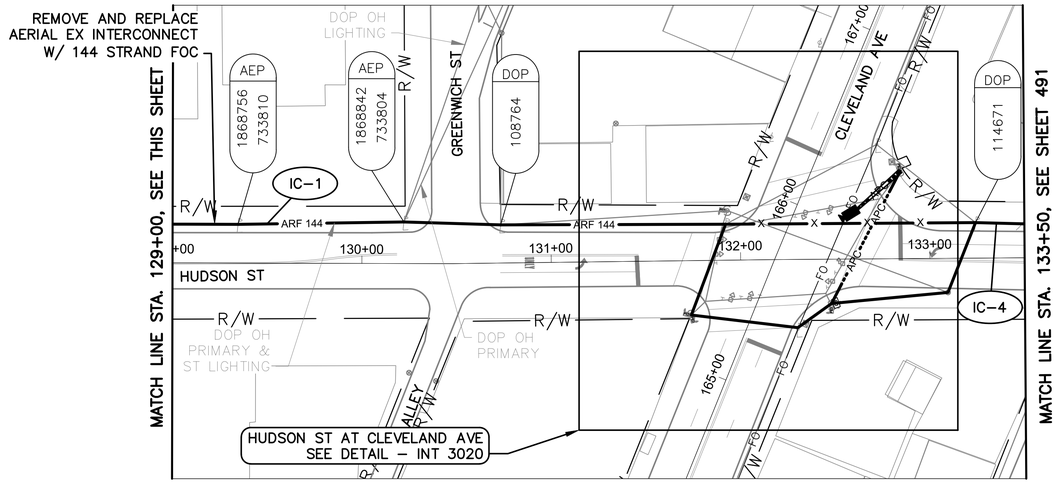
489
1000

3150-E

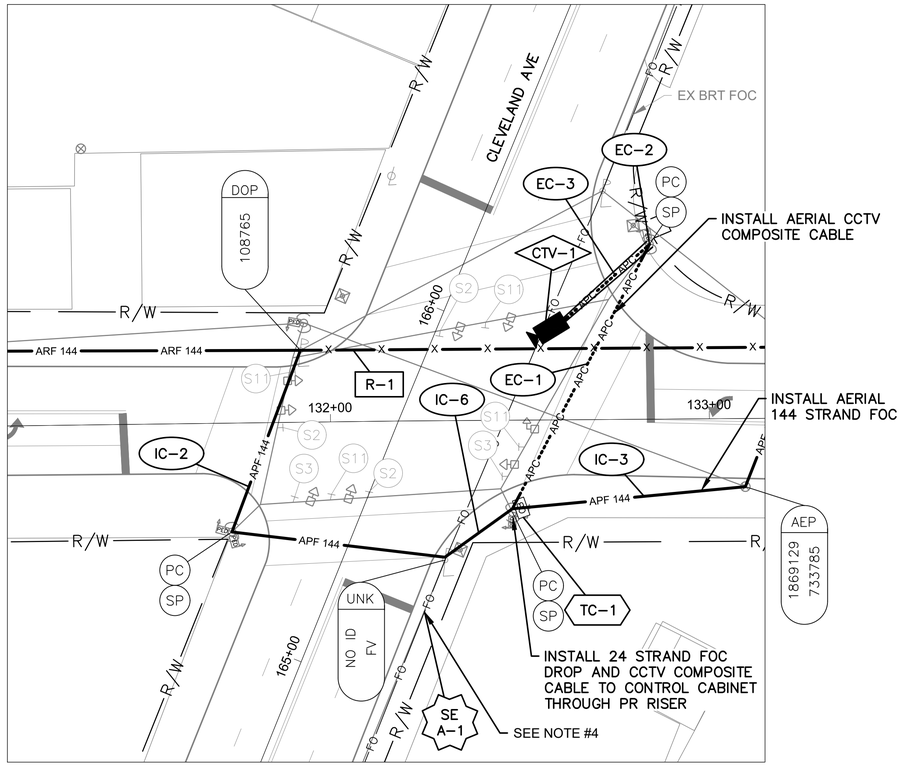
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HUDSON ST BETWEEN STATION 119+00 AND 129+00



HUDSON ST BETWEEN STATION 129+00 AND 133+50



DETAIL - INT 3020

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 494 FOR QUANTITIES.
2. SEE SHEETS 673 & 844 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. SPLICE TO COTA BRT (3163–E) PROJECT INSTALLED FOC ENCLOSURE.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

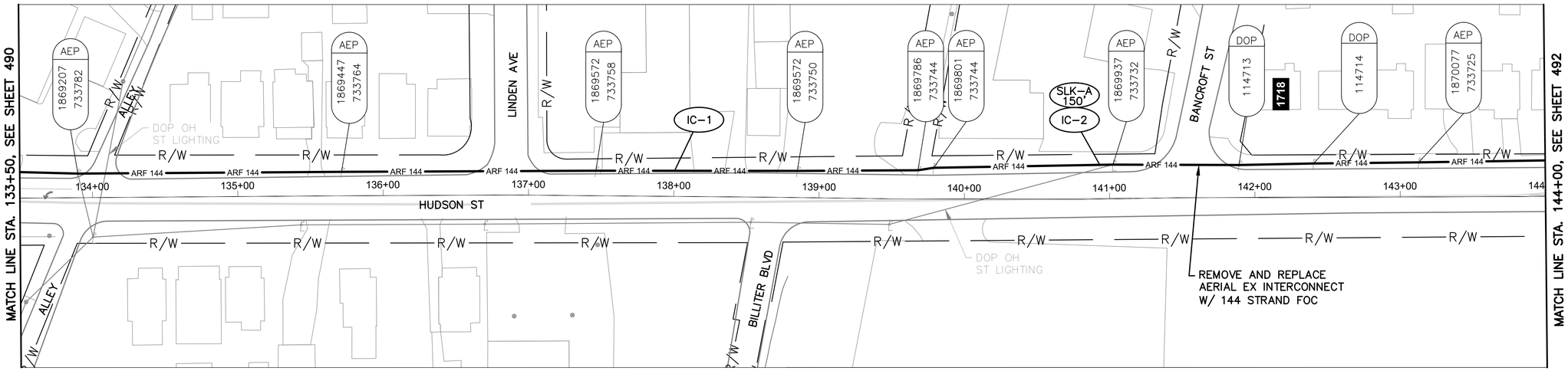
INTERCONNECT PLAN
HUDSON ST BETWEEN STA. 119+00 AND 133+50

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

3150-E

490
1000

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HUDSON ST BETWEEN STATION 133+50 AND 144+00

NOTES:

1. SEE SHEET 494 FOR QUANTITIES.
2. SEE SHEET 673 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

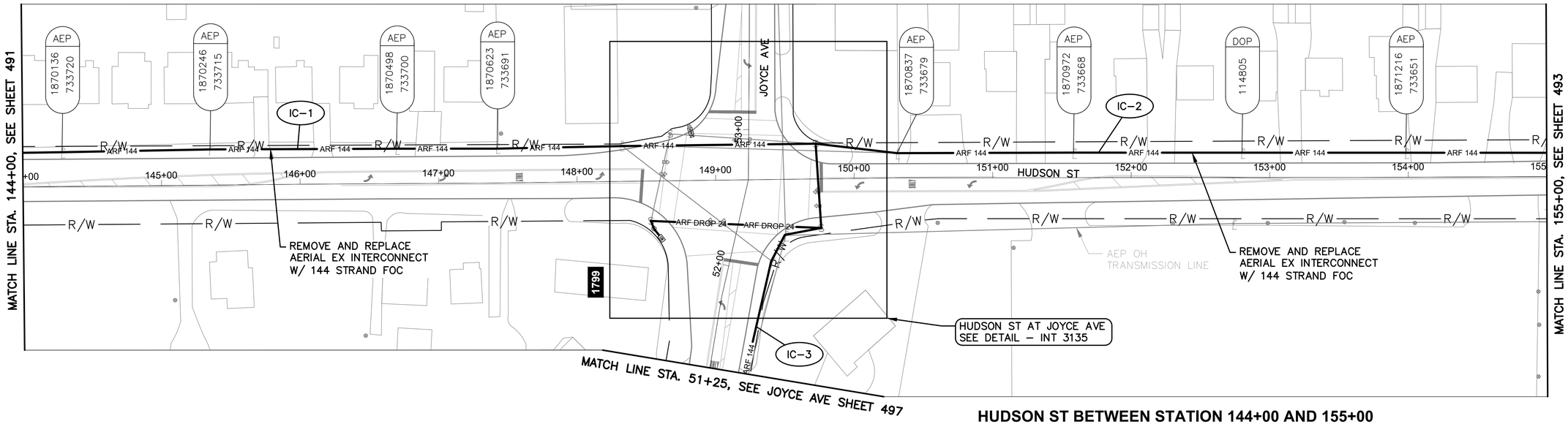
INTERCONNECT PLAN
HUDSON ST BETWEEN STA. 133+50 AND 144+00

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

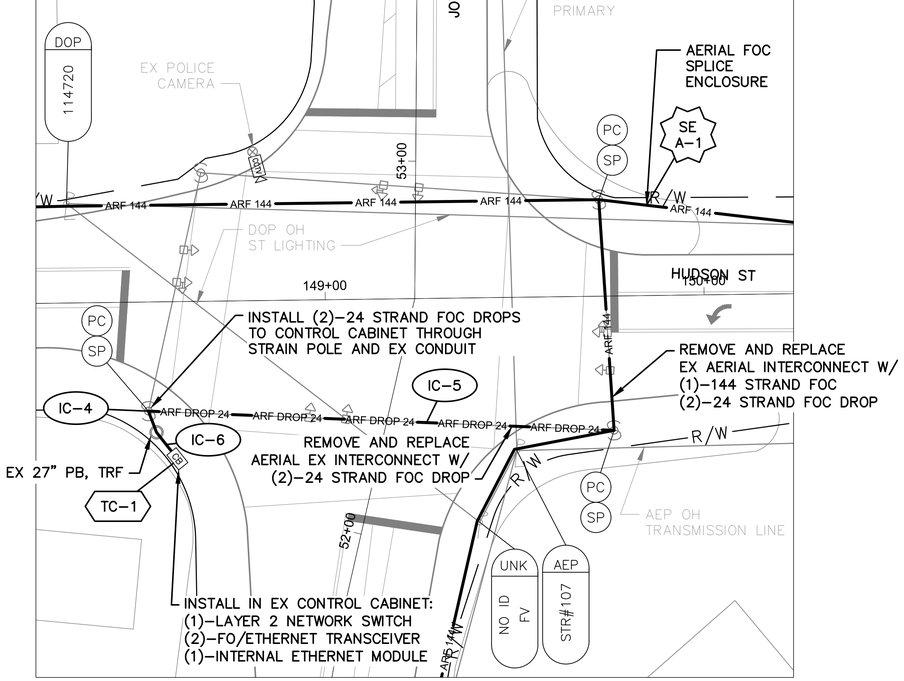
3150-E

491
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk4_HUDSON_INTERCONNECT.dwg – HUDSON-10 layout ~ last saved by jbeans 10/11/2018 02:08pm ~ printed 03/19/2020 04:05pm

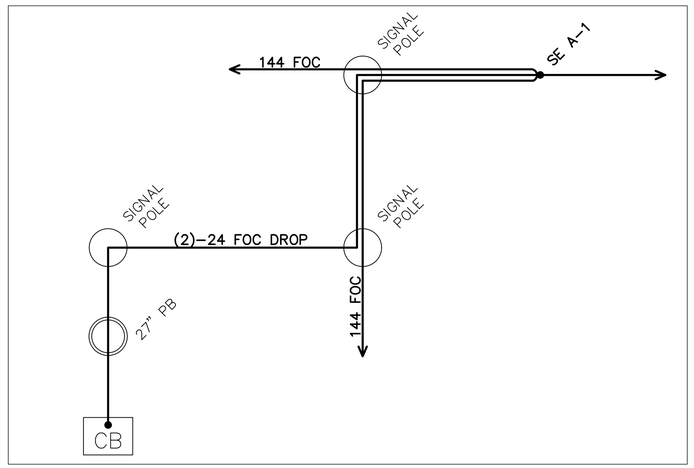


HUDSON ST BETWEEN STATION 144+00 AND 155+00



DETAIL - INT 3135

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 3135

NOT TO SCALE

NOTES:

1. SEE SHEET 494 FOR QUANTITIES.
2. SEE SHEETS 673 & 845 FOR COMMUNICATION DETAILS.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

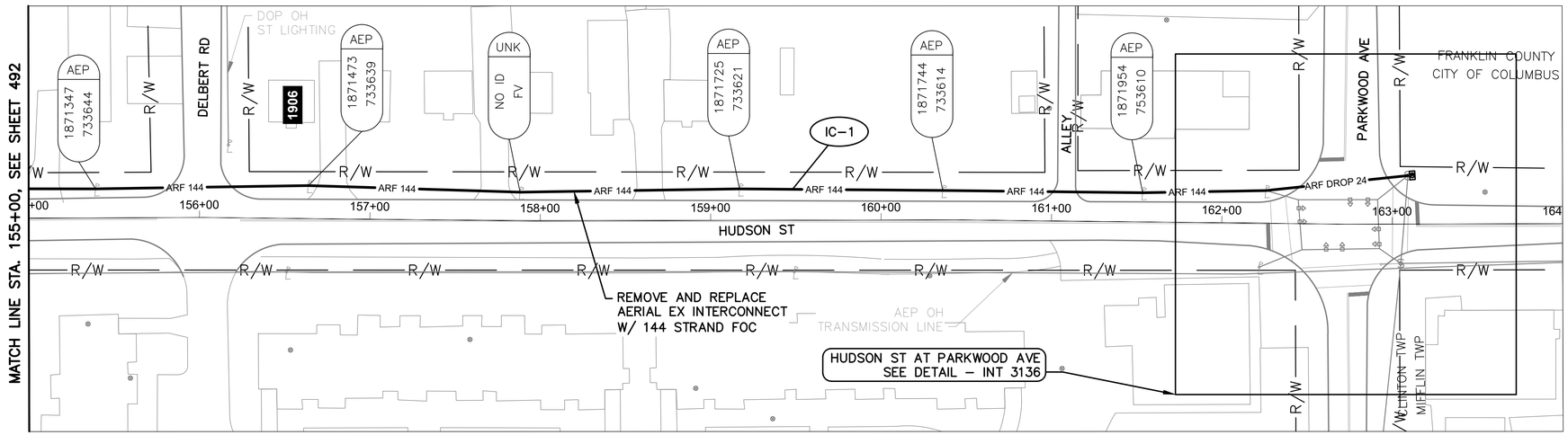
INTERCONNECT PLAN
HUDSON ST BETWEEN STA. 144+00 AND 155+00, INT 3135

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

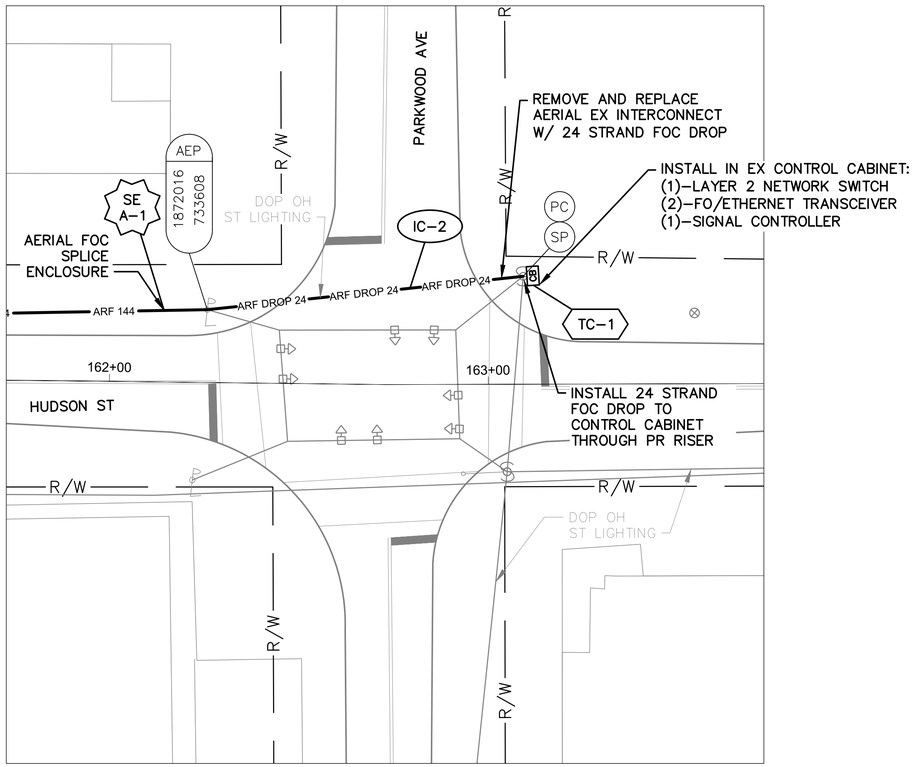
3150-E

492
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HUDSON ST BETWEEN STATION 155+00 AND 164+00



DETAIL - INT 3136

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 494 FOR QUANTITIES.
2. SEE SHEETS 673 & 847 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. AN ADDITIONAL 150' OF SLACK IS PROVIDED AT THE SPLICE ENCLOSURE FOR DoT EXPANSION.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
HUDSON ST BETWEEN STA. 155+00 AND 164+00, INT 3136

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

493
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	633	633	633			
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	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	INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 450FT DROP CABLE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: INTERNAL ETHERNET MODULE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN			
			FROM	TO	FT	EACH	EACH	FT	EACH	FT	EACH	EACH	EACH	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH			
HUDSON ST. BETWEEN STA. 91+50 AND 97+00, INT 3132																								
487	IC-1	McGUFFEY RD	10+37, 40' RT	11+25, 28' RT				85		85					85									
487	SE A-1	HUDSON ST	93+19, 44' LT					150	156		1													
487	IC-3	HUDSON ST	93+19, 44' LT	93+19, 44' LT								1												
487	TC-1	HUDSON ST	93+19, 44' LT				1												2		1	1		
487	IC-2	HUDSON ST	93+19, 44' LT	97+00, 20' LT				390		384					390									
HUDSON ST. BETWEEN STA. 97+00 AND 108+00, INT 3133																								
488	IC-1	HUDSON ST	97+00, 20' LT	99+27, 17' LT				230		227					230									
488	SE A-1	HUDSON ST	99+27, 17' LT					150	24		1													
488	IC-2	HUDSON ST	99+27, 17' LT	108+00, 21' LT				886		873					886									
488	IC-3	HUDSON ST	99+27, 17' LT	99+32, 26' RT						44		1			44									
488	TC-1	HUDSON ST	99+32, 26' RT				1												2		1	1		
HUDSON ST. BETWEEN STA. 108+00 AND 119+00																								
489	IC-1	HUDSON ST	108+00, 21' LT	119+00, 19' LT				1,117		1,100					1,117									
489	IC-2	HUDSON ST	109+32, 21' LT					150																
489	IC-3	HUDSON ST	112+94, 20' LT					150																
HUDSON ST. BETWEEN STA. 119+00 AND 136+50, INT 3020																								
490	IC-1	HUDSON ST	119+00, 19' LT	131+92, 19' LT				1,311		1,292					1,311									
490	IC-5	HUDSON ST	126+68, 20' LT					150																
490	R-1	HUDSON ST	131+92, 19' LT	133+24, 19' LT						132														
490	IC-2	HUDSON ST	131+92, 19' LT	132+28, 47' RT				17							17									
490	IC-6	HUDSON ST	131+92, 19' LT	132+50, 47' RT																				
490	IC-3	HUDSON ST	132+28, 47' RT	133+24, 47' LT				125							125									
490	SE A-1	HUDSON ST	132+21, 51' RT					150	72															
490	EC-1	HUDSON ST	132+50, 29' RT	132+86, 16' LT											80	80								
490	TC-1	HUDSON ST	132+50, 29' RT				1									45								
490	CTV-1	HUDSON ST	132+62, 26' LT																					
490	EC-3	HUDSON ST	132+62, 26' LT	133+85, 46' RT												30								
490	EC-2	HUDSON ST	132+85, 46' RT			1																		
490	IC-4	HUDSON ST	133+24, 19' LT	133+50, 18' LT				26		26					26									
HUDSON ST. BETWEEN STA. 133+50 AND 144+00																								
491	IC-1	HUDSON ST	133+50, 18' LT	144+00, 25' LT				1,066		1,050					1,066									
491	IC-2	HUDSON ST	144+00, 25' LT					1																
HUDSON ST. BETWEEN STA. 144+00 AND 155+00, INT 3135																								
492	IC-1	HUDSON ST	144+00, 25' LT	149+72, 27' LT				581		572					581									
492	IC-6	HUDSON ST	148+52, 29' RT	148+59, 43' RT	15																			
492	IC-5	HUDSON ST	148+52, 29' RT	149+75, 35' RT						123					123									
492	TC-1	HUDSON ST	148+59, 43' RT															2	1	1				
492	IC-4	HUDSON ST	148+59, 43' RT	149+72, 27' LT										2										
492	IC-3	JOYCE AVE	51+25, 27' RT	52+91, 48' RT				192		189					192									
492	SE A-1	HUDSON ST	149+72, 27' LT					225	228		1													
492	IC-2	HUDSON ST	149+72, 27' LT	155+00, 17' LT				536		528					536									
HUDSON ST. BETWEEN STA. 155+00 AND 164+00, INT 3136																								
493	IC-1	HUDSON ST	155+00, 17' LT	162+25, 19' LT				737		726					726									
493	SE A-1	HUDSON ST	162+25, 19' LT					225	12		1													
493	IC-2	HUDSON ST	162+25, 19' LT	163+09, 28' LT						84			1		85									
493	TC-1	HUDSON ST	163+09, 28' LT				1											2		1	1			
SHEET TOTAL					15	1	4	8,899	492	7,435	4	3	1	2	7,720	155	1	8	1	4	3	-	-	-

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.

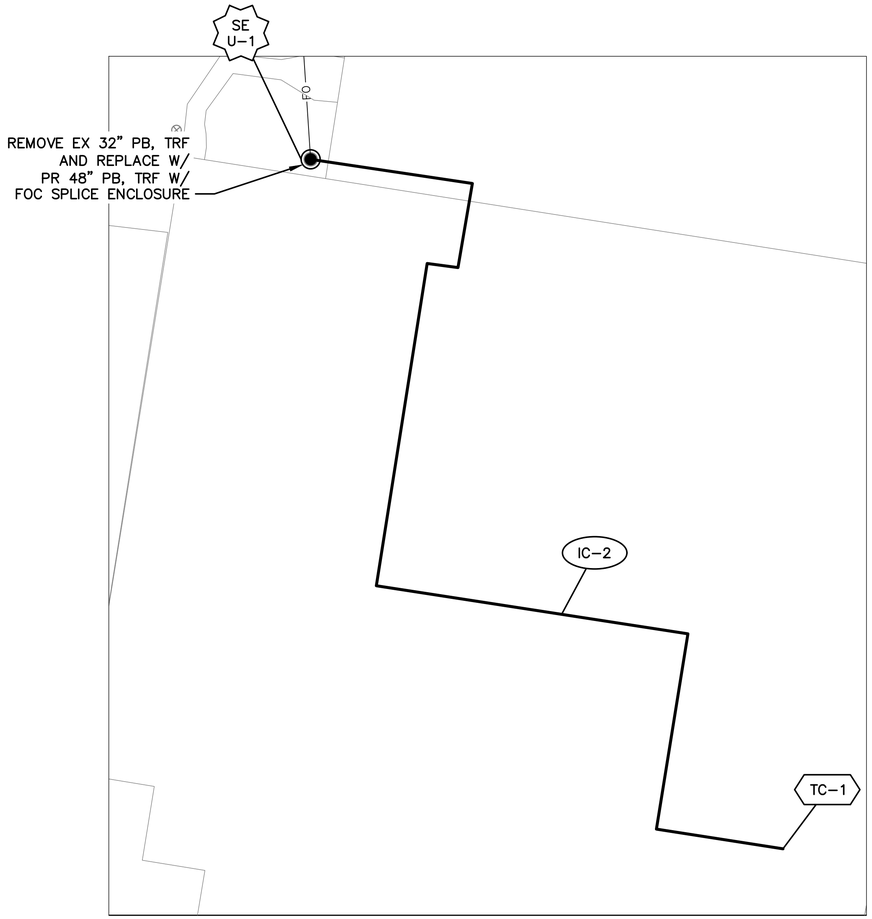
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PID NUMBER: 82573

HUDSON ST BETWEEN STA. 91+50 & 164+00
INTS 3132, 3133, 3020, 3135, 3136

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

494
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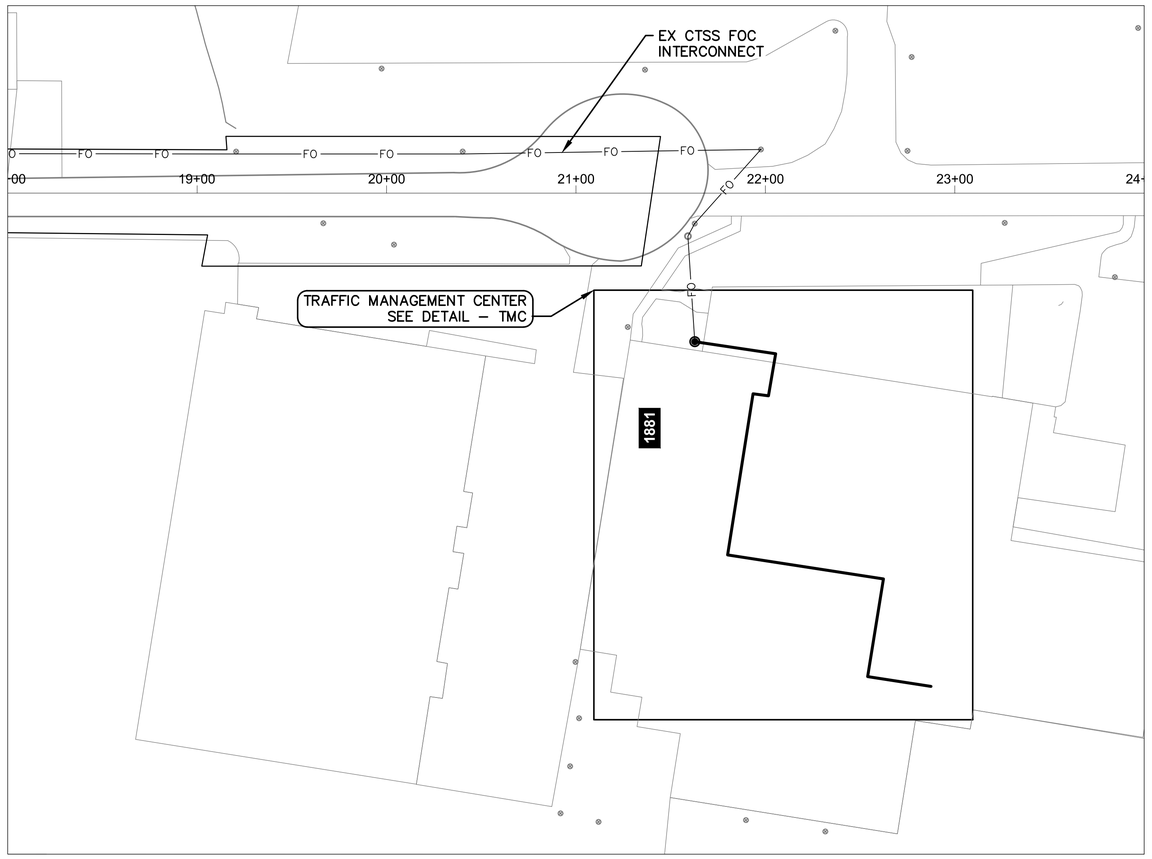
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DETAIL - TMC

0 20 40

HORIZONTAL
SCALE IN FEET



TWENTY FIFTH AVE BETWEEN STATION 18+00 AND 24+00

NOTES:

1. SEE SHEET 498 FOR QUANTITIES.
2. SEE SHEETS 673 & 846 FOR COMMUNICATION DETAILS.
3. CONNECTION TO TRAFFIC MANAGEMENT CENTER TO BE INSTALLED BY OTHERS AS PART OF JOYCE AVE PHASE 3 PROJECT, DR-E 2906.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 347 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

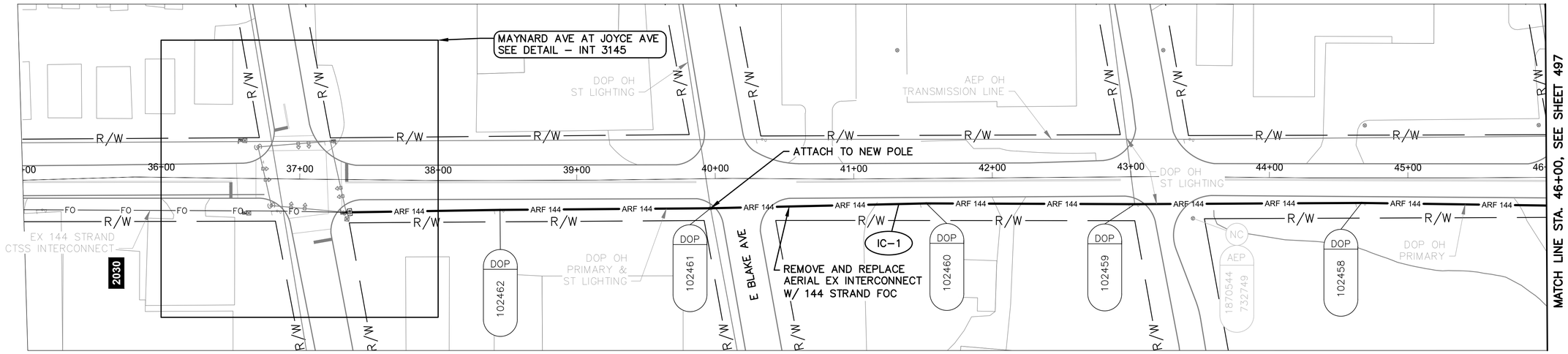
INTERCONNECT PLAN
TWENTY FIFTH AVE BETWEEN STA. 18+00 AND 24+00, TMC

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

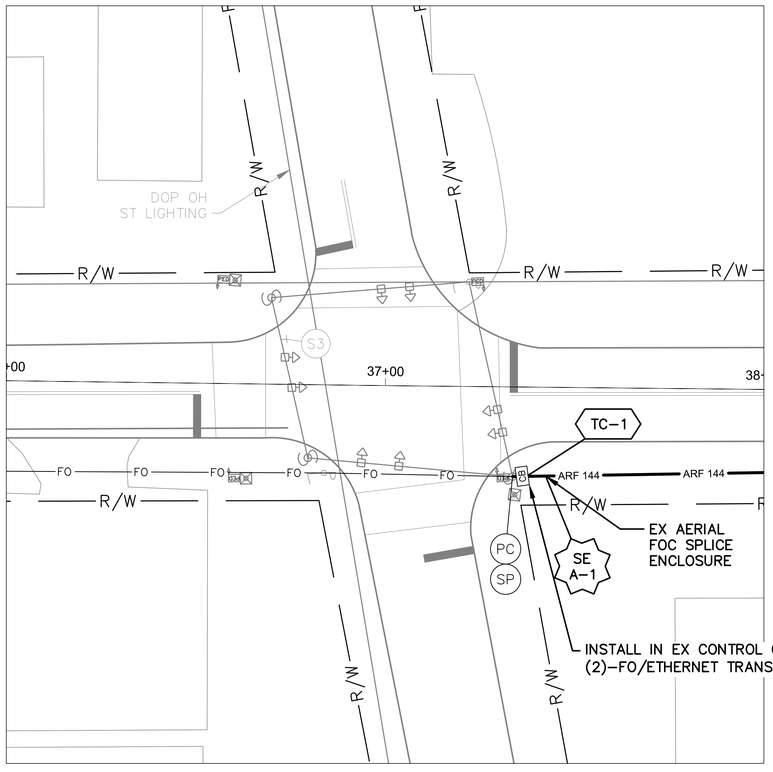
495
1000

3150-E

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JOYCE AVE BETWEEN STATION 35+00 AND 46+00



DETAIL - INT 3145

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 498 FOR QUANTITIES.
2. SEE SHEETS 673 & 846 FOR COMMUNICATION DETAILS.
3. CONNECTION TO TRAFFIC MANAGEMENT CENTER TO BE INSTALLED BY OTHERS AS PART OF JOYCE AVE PHASE 3 PROJECT, DR–E 2906.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

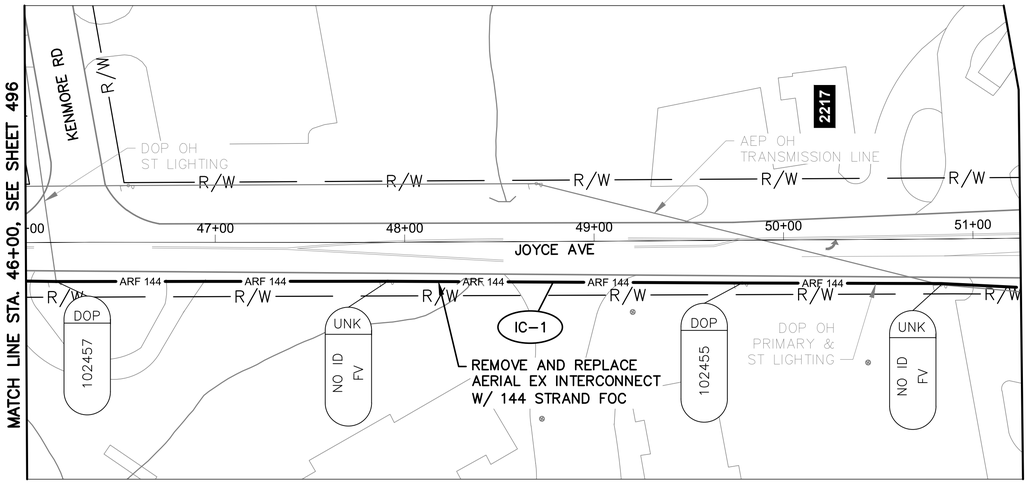
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PID NUMBER: 82573

INTERCONNECT PLAN
JOYCE AVE BETWEEN STA. 35+00 AND 46+00, INT 3145

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

496
1000

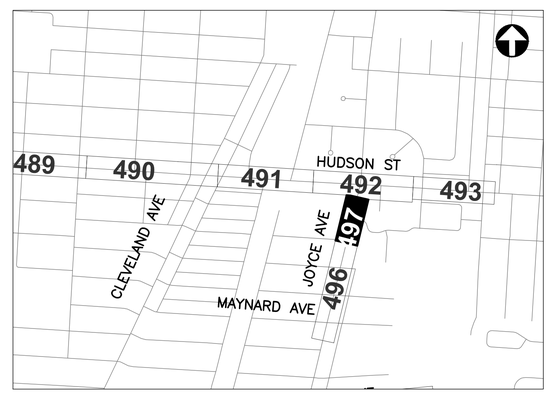
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JOYCE AVE BETWEEN STATION 46+00 AND 51+25

NOTES:

1. SEE SHEET 498 FOR QUANTITIES.
2. SEE SHEET 673 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
JOYCE AVE BETWEEN STA. 46+00 AND 51+25

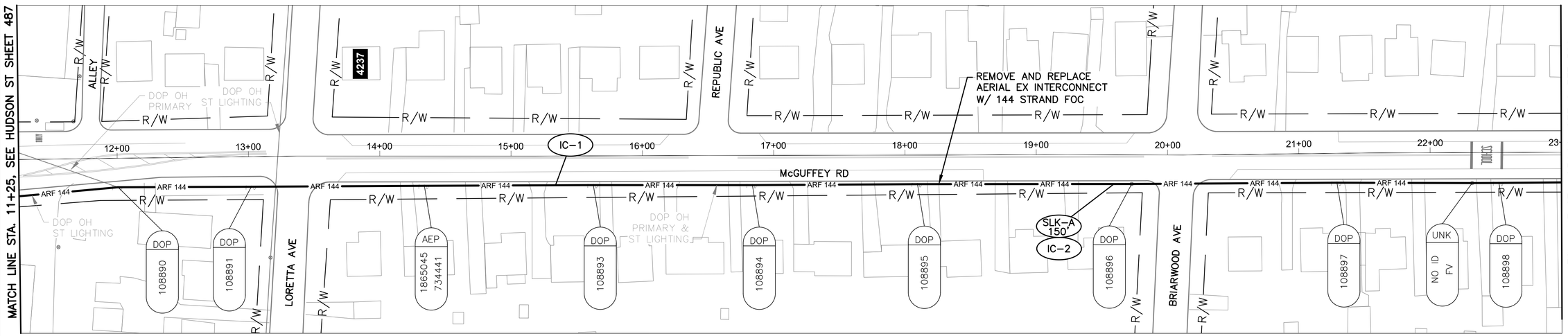
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

497
1000

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ESTIMATED QUANTITIES

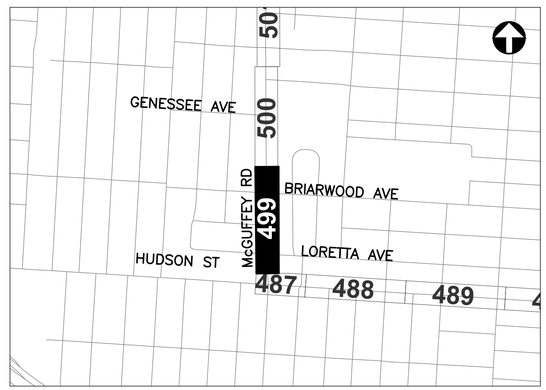
SHEET NO.	REFERENCE NO.	LOCATION	STATION		625 CONDUIT, CONCRETE ENCASED, 2-3", 725.05, AS PER PLAN	625 PULL BOX, CONCRETE 48" , AS PER PLAN	625 TRENCH, 36" DEEP, AS PER PLAN	632 CONDUIT RISER, 2", 725.04, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 475FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH							
			FROM	TO	FT	EACH	FT	EACH	FT	EACH	FT	EACH	EACH	EACH	FT	EACH	EACH								
TWENTY-FIFTH AVE. BETWEEN STA. 18+00 AND 24+00																									
495	TC-1	TWENTY-FIFTH AVE	22+87, 260' RT											1		4	1								
495	SE U-1	TWENTY-FIFTH AVE	21+55, 77' RT			1				144			1												
495	IC-1	TWENTY-FIFTH AVE	21+55, 77' RT	21+63, 78' RT	8		8																		
495	IC-2	TWENTY-FIFTH AVE	21+55, 77' RT	22+87, 260' RT								1													
JOYCE AVE. BETWEEN STA. 35+00 AND 46+00, INT 3145																									
496	SE A-1	JOYCE AVE	37+33, 24' RT						75	144															
496	TC-1	JOYCE AVE	37+33, 24' RT					1								1									
496	IC-1	JOYCE AVE	37+33, 24' RT	46+00, 20' RT					880		867				880										
JOYCE AVE. BETWEEN STA. 46+00 AND 51+25																									
497	IC-1	JOYCE AVE	46+00, [illegible] RT	[illegible]+25, [illegible]					83																



McGUFFEY RD BETWEEN STATION 11+25 AND 23+00

NOTES:

1. SEE SHEET 505 FOR QUANTITIES.
2. SEE SHEET 673 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

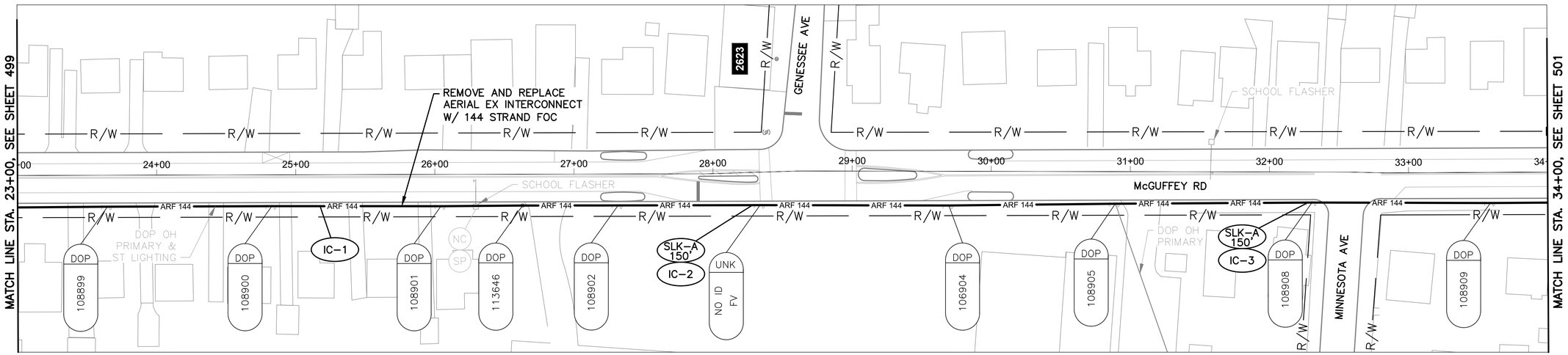
INTERCONNECT PLAN
McGUFFEY RD BETWEEN STA. 11+25 AND 23+00

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

3150-E

499
1000

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McGUFFEY RD BETWEEN STATION 23+00 AND 34+00

NOTES:

1. SEE SHEET 505 FOR QUANTITIES.
2. SEE SHEET 673 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

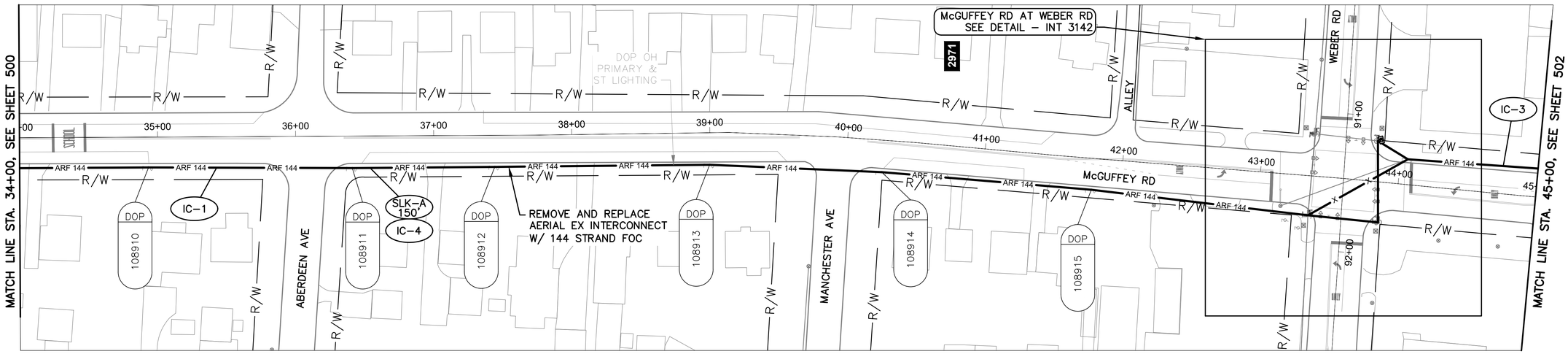
INTERCONNECT PLAN
McGUFFEY RD BETWEEN STA. 23+00 AND 34+00

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

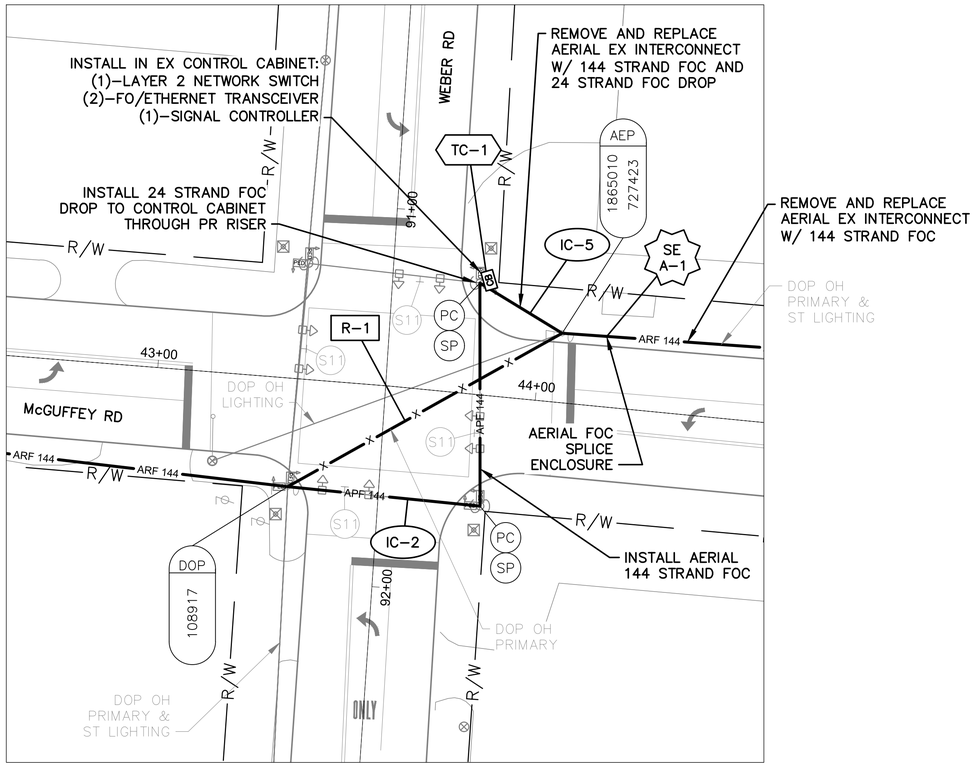
3150-E

500
1000

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McGUFFEY RD BETWEEN STATION 34+00 AND 45+00



DETAIL - INT 3142

0 20 40

HORIZONTAL
SCALE IN FEET

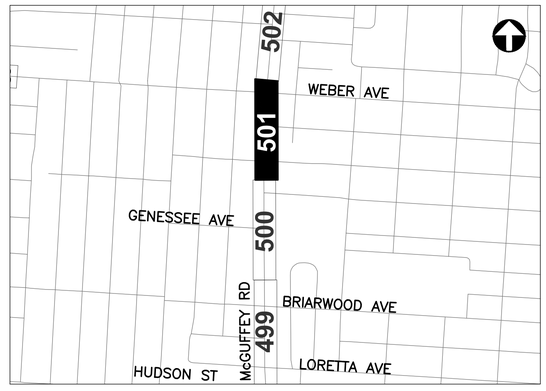
NOTES:

1. SEE SHEET 505 FOR QUANTITIES.
2. SEE SHEETS 673 & 841 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. 150' ADDITIONAL SLACK QUANTIFIED AT SPLICE LOCATION FOR FUTURE DoT USE.

Ohio 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 347 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

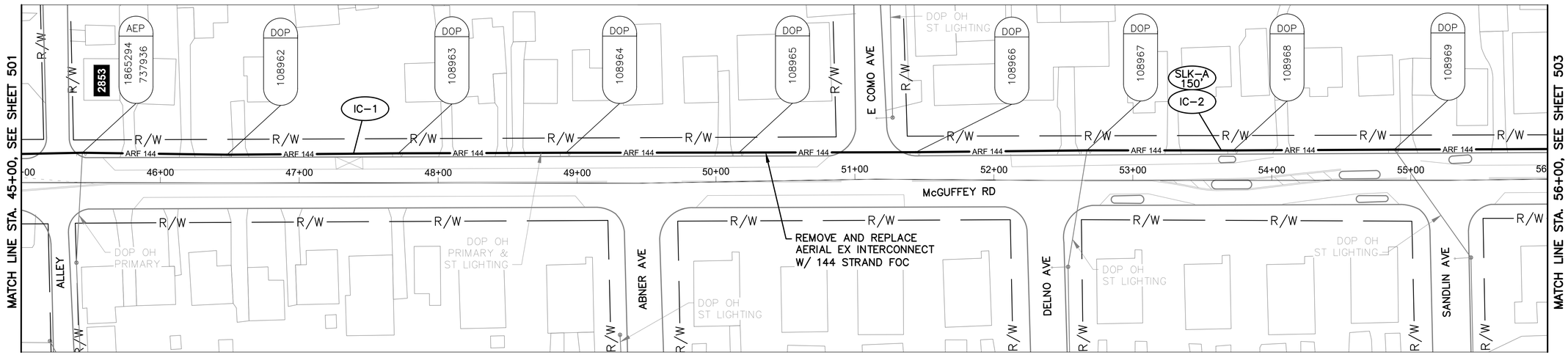
INTERCONNECT PLAN
McGUFFEY RD BETWEEN STA. 34+00 AND 45+00, INT 3142

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

501
1000

3150-E

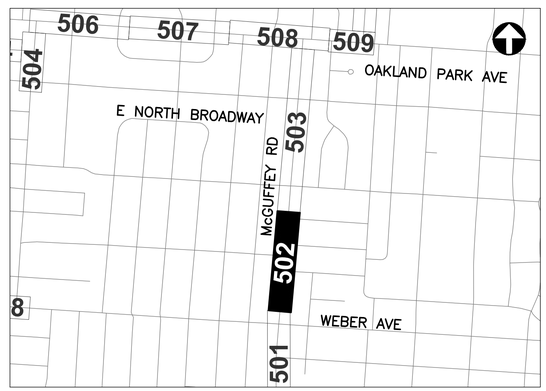
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McGUFFEY RD BETWEEN STATION 45+00 AND 56+00

NOTES:

1. SEE SHEET 505 FOR QUANTITIES.
2. SEE SHEET 672 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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800-362-2764 or 8-1-1
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HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

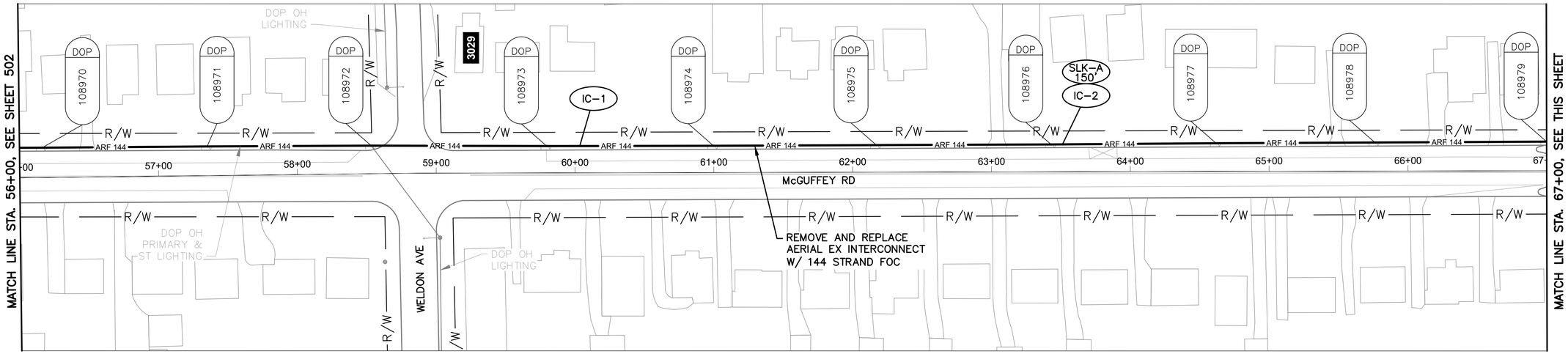
INTERCONNECT PLAN
McGUFFEY RD BETWEEN STA. 45+00 AND 56+00

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

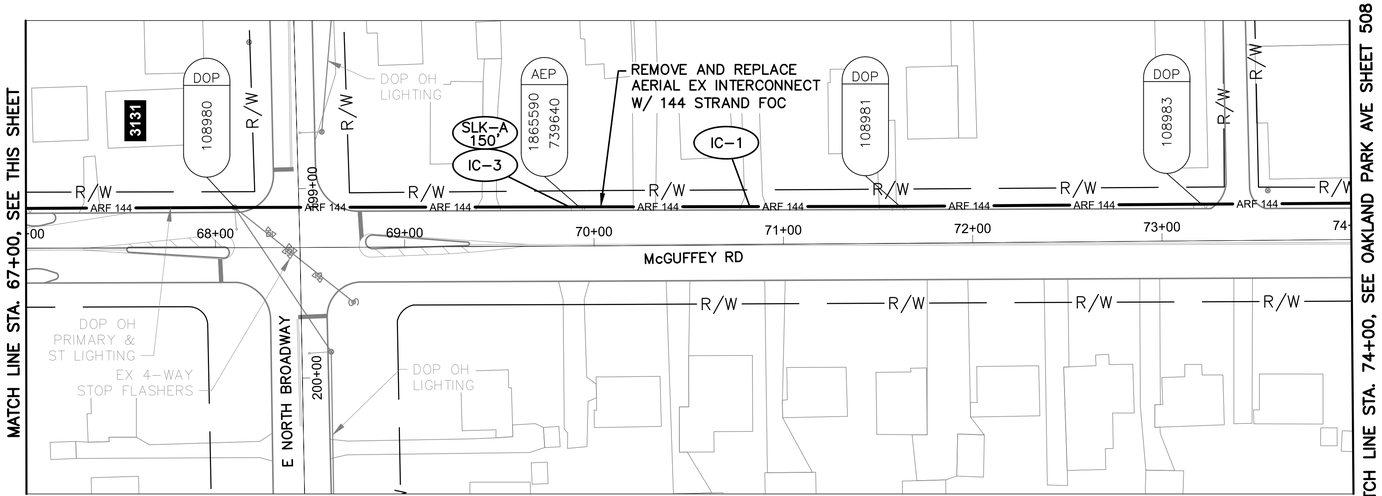
3150-E

502
1000

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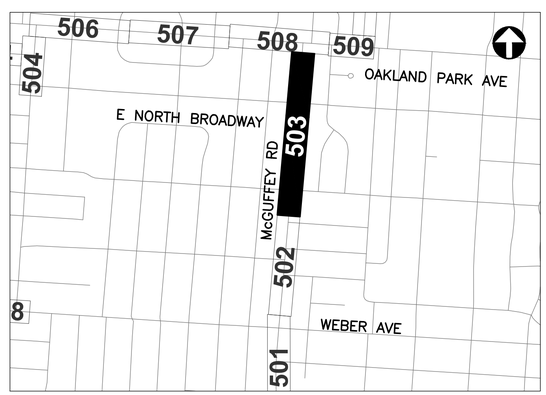
McGUFFEY RD BETWEEN STATION 56+00 AND 67+00



McGUFFEY RD BETWEEN STATION 67+00 AND 74+00

NOTES:

1. SEE SHEET 505 FOR QUANTITIES.
2. SEE SHEET 672 FOR COMMUNICATION DETAILS.



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

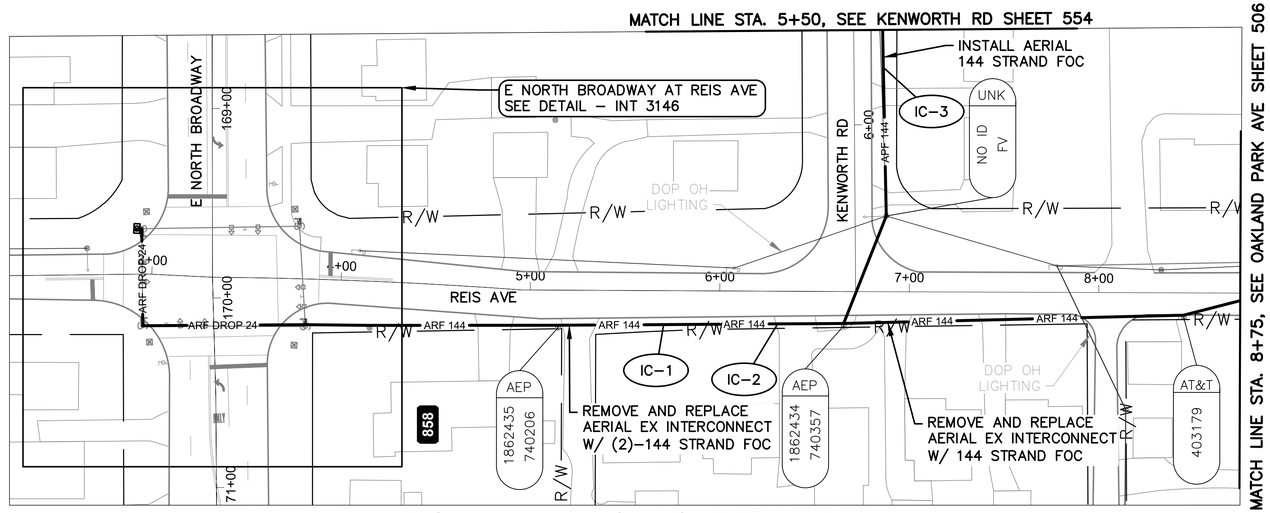
INTERCONNECT PLAN
McGUFFEY RD BETWEEN STA. 56+00 AND 74+00

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

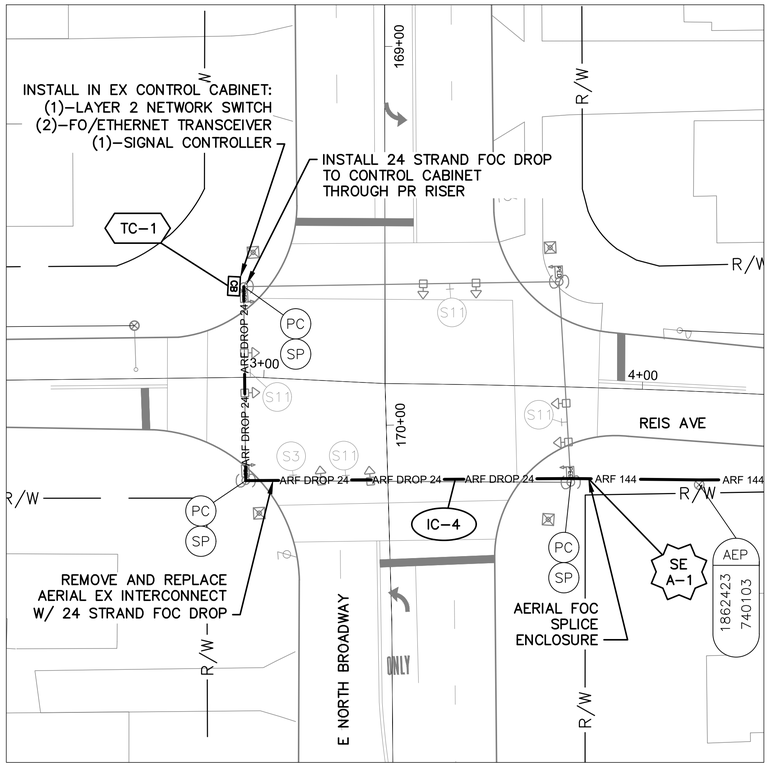
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3150-E

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REIS AVE BETWEEN STATION 2+25 AND 8+75



DETAIL - INT 3146

0 20 40

HORIZONTAL
SCALE IN FEET

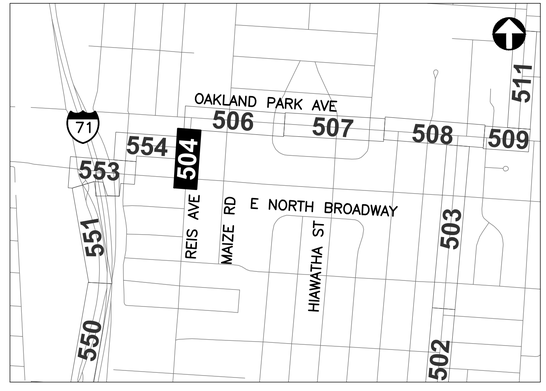
NOTES:

1. SEE SHEET 505 FOR QUANTITIES.
2. SEE SHEETS 672 & 827 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
UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
REIS AVE BETWEEN STA. 2+25 AND 8+75, INT 3146

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

504
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk4_REIS_INTERCONNECT.dwg ~ REIS–1 layout ~ last saved by: gburch 08/18/2016 09:20am ~ printed 03/19/2020 04:16pm

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH EACH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN EACH
MCGUFFEY RD. BETWEEN STA. 11+25 AND 23+00															
499	IC-1	McGUFFEY RD	11+25, 28' RT	23+00, 23' RT		1,193		1,175				1,193			
499	IC-2	McGUFFEY RD	19+59, 22' RT			150									
MCGUFFEY RD. BETWEEN STA. 23+00 AND 34+00															
500	IC-1	McGUFFEY RD	23+00, 23' RT	34+00, 22' RT		1,117		1,100				1,117			
500	IC-2	McGUFFEY RD	28+28, 24' RT			150									
500	IC-3	McGUFFEY RD	32+28, 22' RT			150									
MCGUFFEY RD. BETWEEN STA. 34+00 AND 45+00, INT 3142															
501	IC-1	McGUFFEY RD	34+00, 22' RT	43+36, 29' RT		949		9				949			
501	IC-4	McGUFFEY RD	36+03, 23' RT												
501	IC-2	McGUFFEY RD	42+36, 29' RT	44+05, 18' LT		137						137			
501	R-1	McGUFFEY RD	43+36, 29' RT	44+05, 18' LT				83							
501	TC-1	McGUFFEY RD	43+86, 32' LT		1								2	1	1
501	IC-5	McGUFFEY RD	43+86, 32' LT	44+05, 18' LT						1					
501	SE A-1	McGUFFEY RD	44+05, 18' LT			300	24		1						
501	IC-3	McGUFFEY RD	44+05, 18' LT	45+00, 21' LT		96		95				96			
MCGUFFEY RD. BETWEEN STA. 45+00 AND 56+00															
502	IC-1	McGUFFEY RD	45+00, 21' LT	56+00, 22' LT		1,117		1,100				1,117			
502	IC-2	McGUFFEY RD	51+63, 22'			150									
MCGUFFEY RD. BETWEEN STA. 56+00 AND 74+00															
503	IC-1	McGUFFEY RD	56+00, 22' LT	74+00, 19' LT		1,827		1,800				1,827			
503	IC-2	McGUFFEY RD	63+51, 20' LT			150									
503	IC-3	McGUFFEY RD	69+87, 21' LT			152									
REIS AVE. BETWEEN STA. 2+25 AND 8+75, INT 3142															
504	TC-1	REIS AVE	2+95, 24' LT		1								2	1	1
504	IC-4	REIS AVE	2+95, 24' LT	3+82, 25' RT		150	156	137	1		1	139			
504	SE A-1	REIS AVE	3+82, 25' RT			150									
504	IC-1	REIS AVE	3+82, 25' RT	8+75, 0' RT		602		495				501			
504	IC-2	REIS AVE	3+82, 25' RT	8+75, 0' RT		188									
504	IC-3	REIS AVE	66+[illegible] RT	8+85, 1[illegible] LT		62						1[illegible]			
SHEET TOTAL					2	8,888	180	6,920	2	1	1	7,239	4	2	2

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.

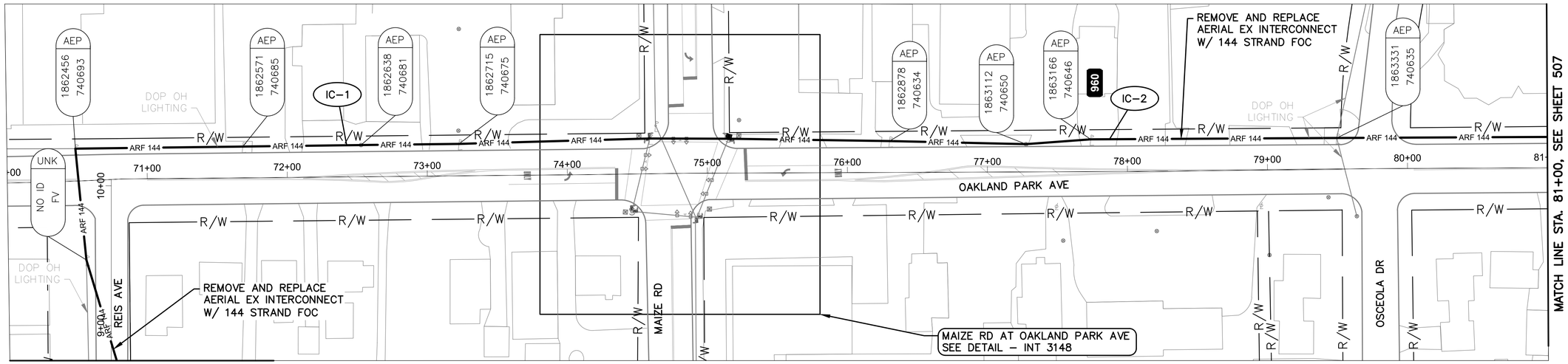
CIP: 540007–100006
PID NUMBER: 82573

McGUFFEY RD BETWEEN STA. 11+25 & 74+00
REIS AVE BETWEEN STA. 2+25 & 8+75, INTS 3142, 3146

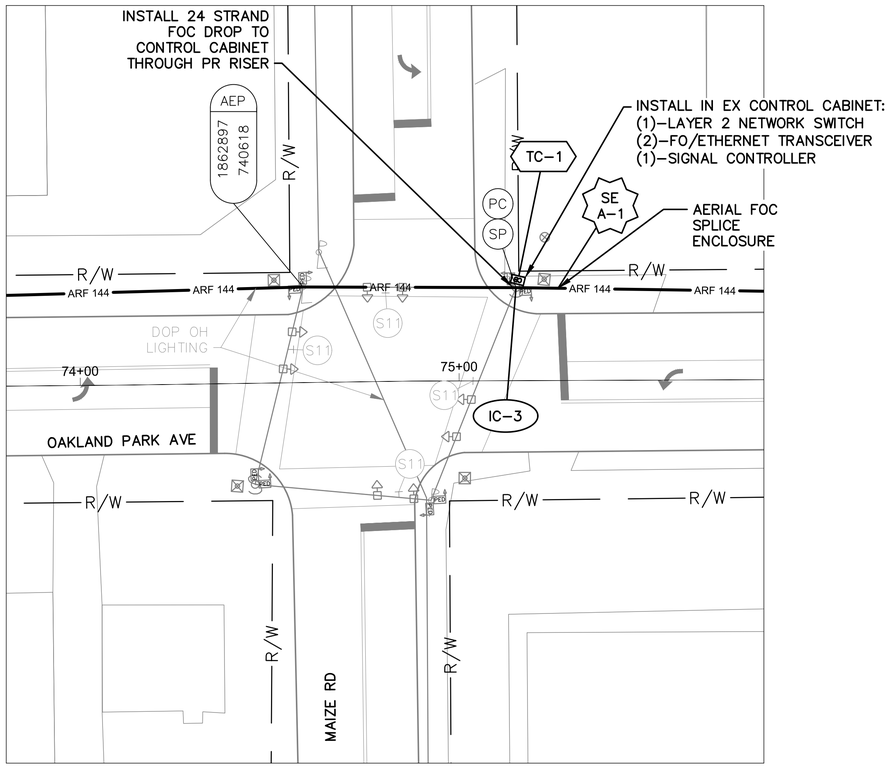
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

505
1000

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OAKLAND PARK AVE BETWEEN STATION 70+00 AND 81+00



DETAIL - INT 3148

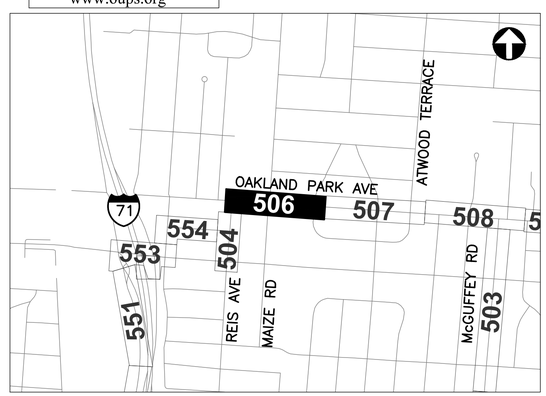
0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 510 FOR QUANTITIES.
2. SEE SHEETS 672 & 828 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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www.oups.org

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

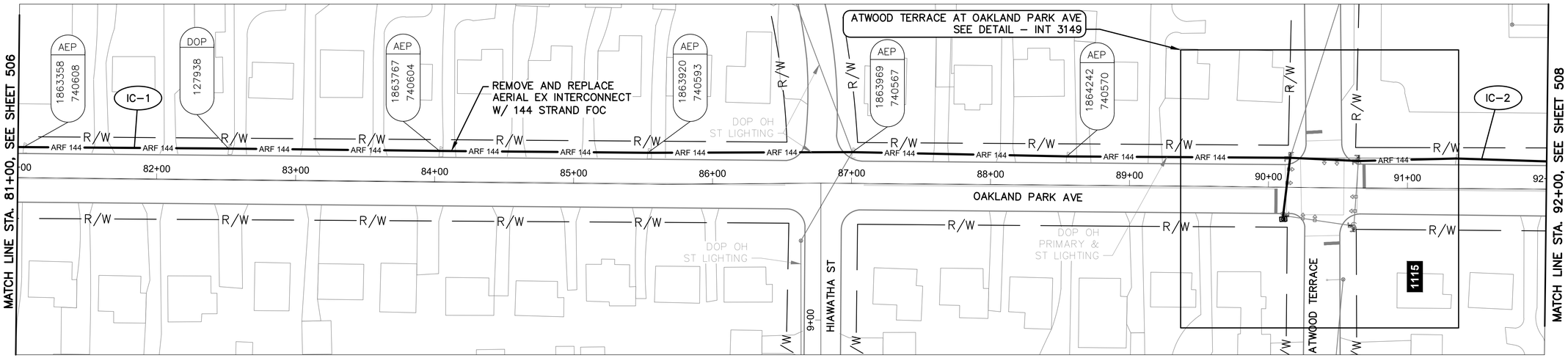
INTERCONNECT PLAN
OAKLAND PARK AVE BETWEEN STA. 70+00 AND 81+00, INT 3148

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

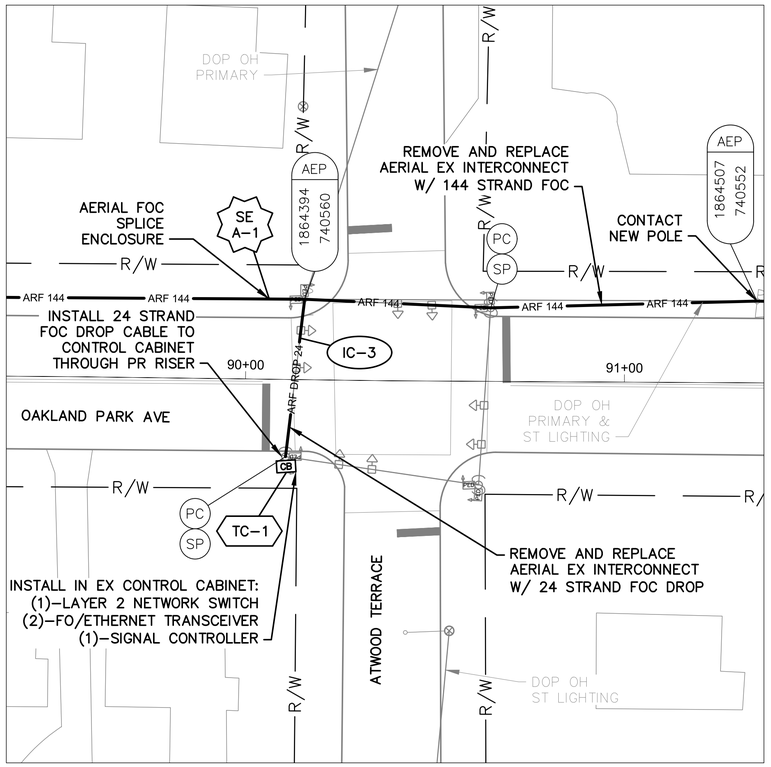
506
1000

3150-E

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OAKLAND PARK AVE BETWEEN STATION 81+00 AND 92+00



DETAIL - INT 3149

0 20 40
HORIZONTAL SCALE IN FEET

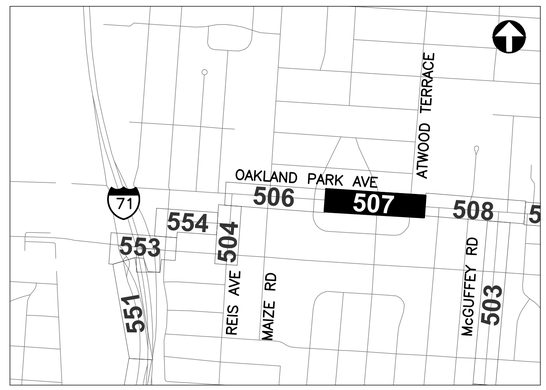
NOTES:

1. SEE SHEET 510 FOR QUANTITIES.
2. SEE SHEETS 672 & 829 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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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

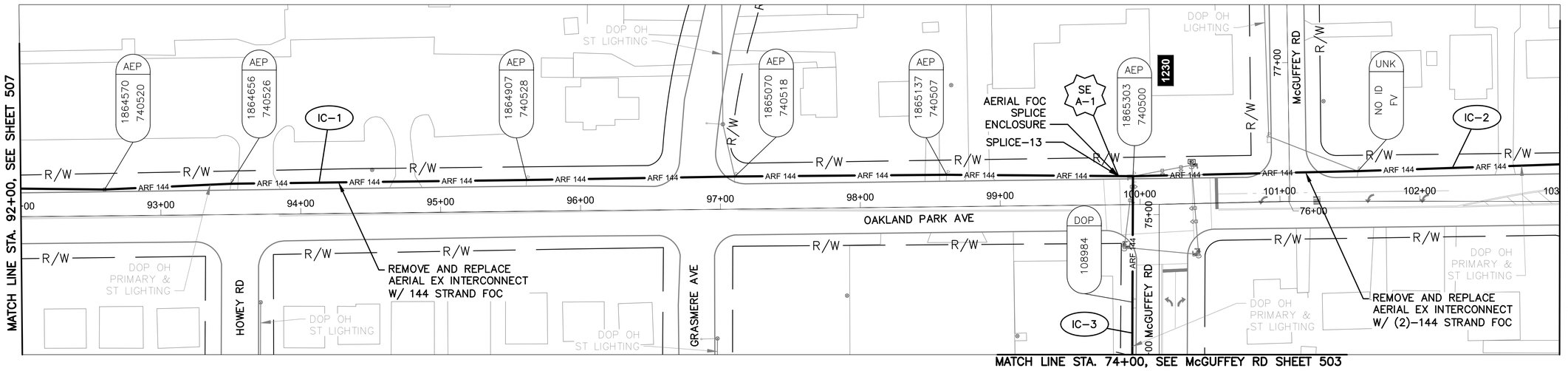
INTERCONNECT PLAN
OAKLAND PARK AVE BETWEEN STA. 81+00 AND 92+00, INT 3149

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

507
1000

3150-E

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OAKLAND PARK AVE BETWEEN STATION 92+00 AND 103+00

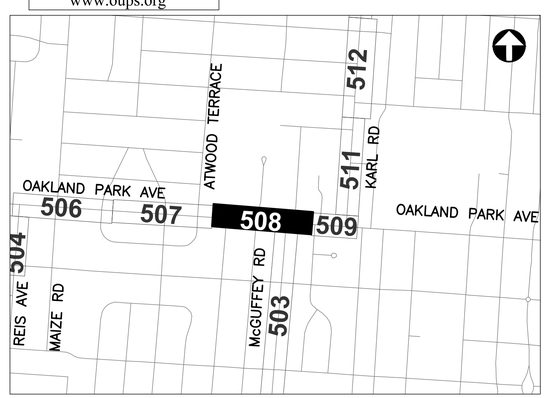
NOTES:

1. SEE SHEET 510 FOR QUANTITIES.
2. SEE SHEETS 672 & 830 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE, PROVIDE 75' OF SLACK FROM ALL FOUR DIRECTIONS FOR THE 300' TOTAL.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

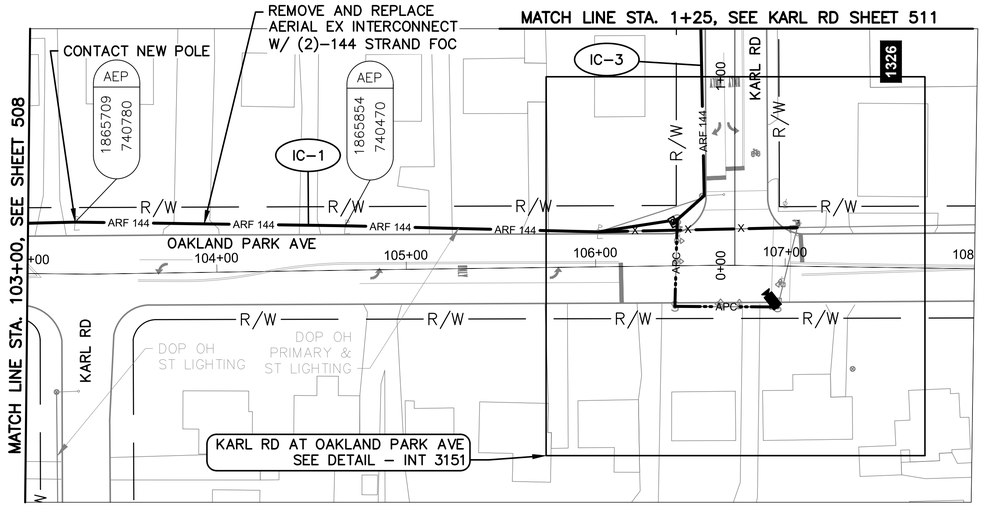
INTERCONNECT PLAN
OAKLAND PARK AVE BETWEEN STA. 92+00 AND 103+00

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

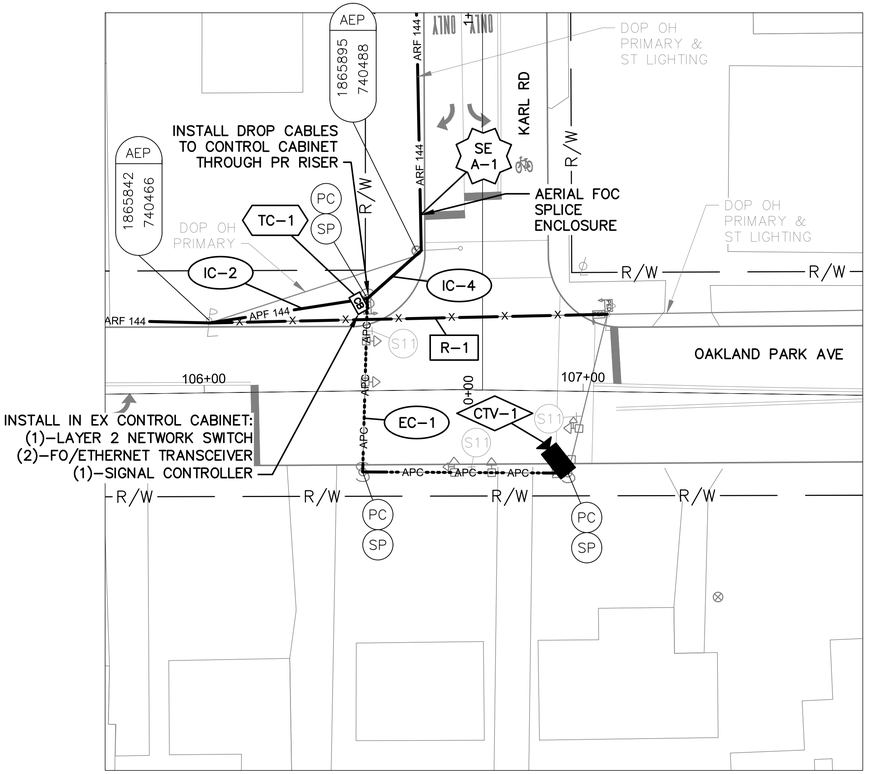
508
1000

3150-E

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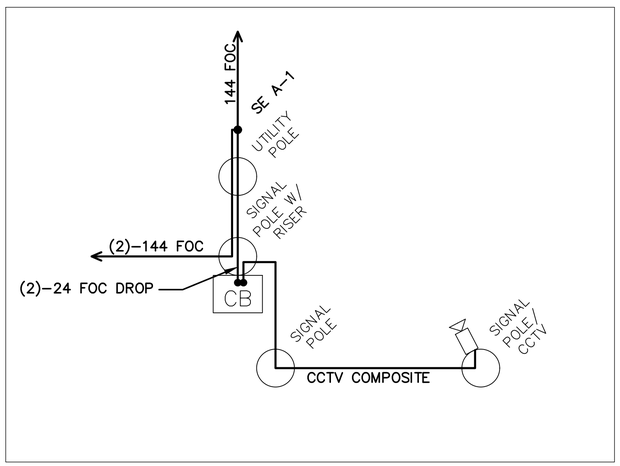


OAKLAND PARK AVE BETWEEN STATION 103+00 AND 108+00



DETAIL - INT 3151

0 20 40
HORIZONTAL SCALE IN FEET



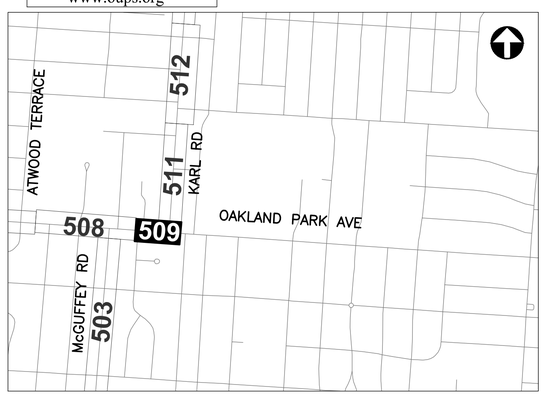
CABLE SCHEMATIC - INT 3151
NOT TO SCALE

NOTES:

1. SEE SHEET 510 FOR QUANTITIES.
2. SEE SHEETS 672 & 831 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 UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
OAKLAND PARK AVE BETWEEN STA. 103+00 AND 108+00, INT 3151

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

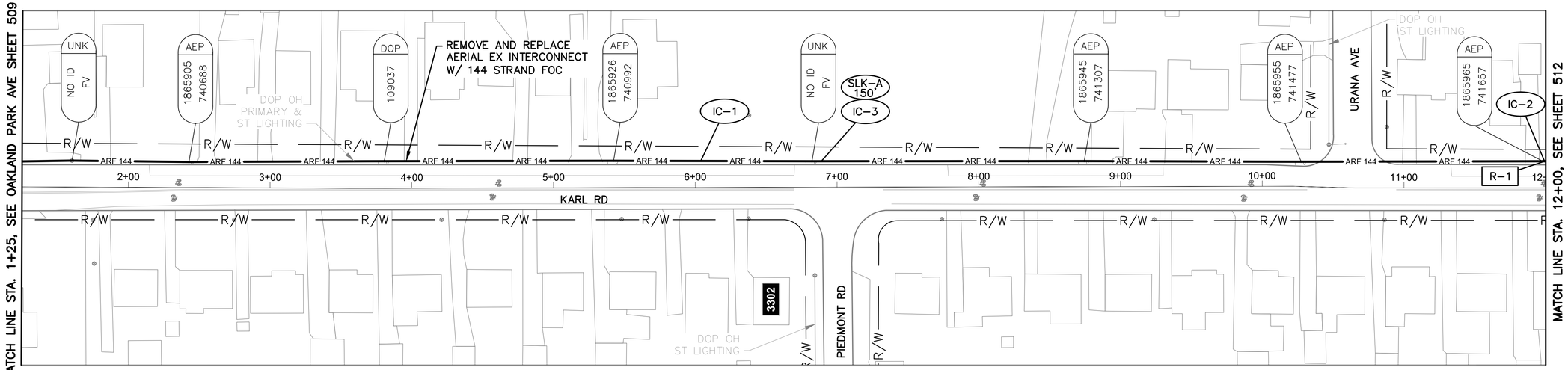
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3150-E

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ESTIMATED QUANTITIES

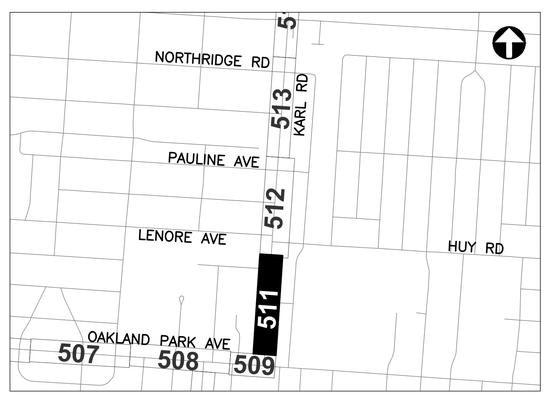
SHEET NO.	REFERENCE NO.	LOCATION	STATION		632 CONDUIT RISER, 2", 725.04, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	632 SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE	632 SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN								
			FROM	TO	EACH	FT	EACH	FT	EACH	EACH	FT	FT	EACH	EACH	EACH	EACH									
OAKLAND PARK AVE. BETWEEN STA. 70+00 AND 81+00, INT 3148																									
506	IC-1	OAKLAND PARK AVE	70+73, 130' RT	75+25, 25' LT		641		632			641														
506	SE A-1	OAKLAND PARK AVE	75+25, 25' LT			150	24		1																
506	IC-3	OAKLAND PARK AVE	75+15, 25' LT	75+25, 25' LT						1															
506	TC-1	OAKLAND PARK AVE	75+15, 25' LT		1										2	1	1								
506	IC-2	OAKLAND PARK AVE	75+25, 25' LT	81+00, 22' LT		584		575			584														
OAKLAND PARK AVE. BETWEEN STA. 81+00 AND 92+00, INT 3149																									
507	IC-1	OAKLAND PARK AVE	81+00, 22' LT	90+15, 21' LT		829		815			829														
507	IC-3	OAKLAND PARK AVE	90+10, 22' LT	90+15, 21' LT				42		1	42														
507	TC-1	OAKLAND PARK AVE	90+10, 22' RT												2	1	1								
507	SE A-1	OAKLAND PARK AVE	90+15, 21' LT			150	24																		
507	IC-2	OAKLAND PARK AVE	90+15, 21' LT	92+00, 20' LT		188		185			188														
OAKLAND PARK AVE. BETWEEN STA. 92+00 AND 103+00, INT SPLICE-13																									
508	IC-1	OAKLAND PARK AVE	92+00, 20' LT	99+95, 20' LT		80		80			80														
508	IC-3	OAKLAND PARK AVE	99+93, 107' RT	99+95, 20' LT		120		27			120														
508	SE A-1	OAKLAND PARK AVE	99+95, 20' LT			30	8		1																
508	IC-2	OAKLAND PARK AVE	99+95, 20' LT	103+00, 27' LT		620		305			310														
OAKLAND PARK AVE. BETWEEN STA. 103+00 AND 111+00, INT 3151																									
509	IC-1	OAKLAND PARK AVE	103+00, 22' LT	111+01, 22' LT		612		301			306														
509	IC-2	OAKLAND PARK AVE	106+01, 22' LT	106+43, 24' LT		86																			
509	R-1	OAKLAND PARK AVE	106+01, 22' LT	107+96, 20' LT				103																	
509	TC-1	OAKLAND PARK AVE	106+43, 24' LT		1							45		2	1	1									
509	IC-4	OAKLAND PARK AVE	106+43, 24' LT	106+52, 39' LT		34		17		2	17														
509	EC-1	OAKLAND PARK AVE	106+43, 24' LT	106+96, 22' RT							0														
509	SE A-1	OAKLAND PARK AVE	106+52, 39' LT			22	16																		
509	IC-3	OAKLAND PARK AVE	106+52, 39' LT	106+[illegible] 125' LT		81		6			7														
509	CTV-1	OAKLAND PARK AVE	106+96, 22' RT										1												



KARL RD BETWEEN STATION 1+25 AND 12+00

NOTES:

1. SEE SHEET 516 FOR QUANTITIES.
2. SEE SHEET 672 FOR COMMUNICATION DETAILS.



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

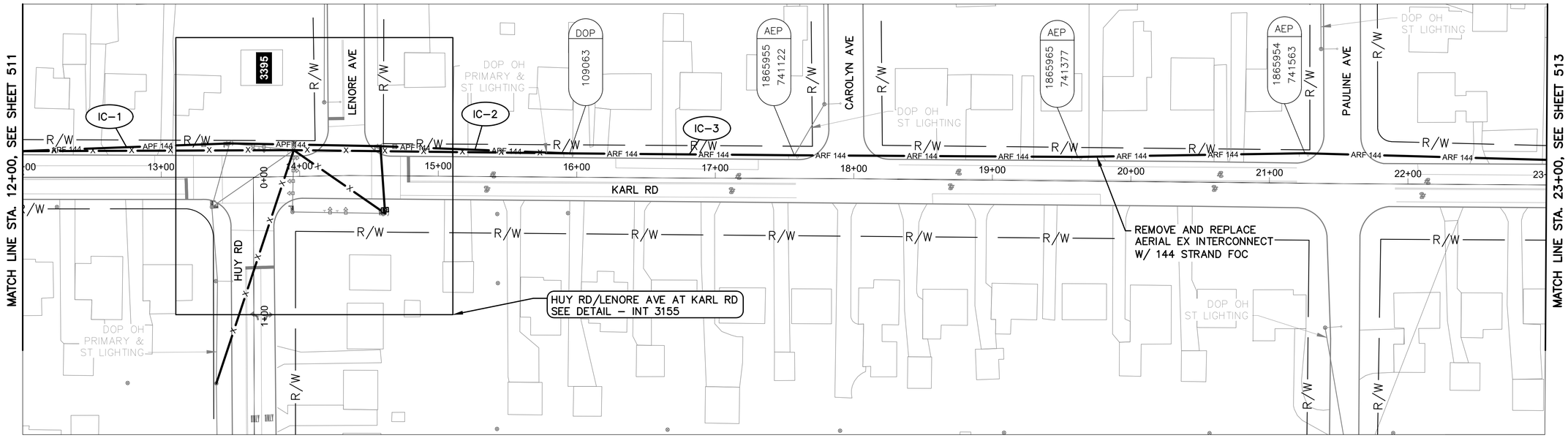
INTERCONNECT PLAN
KARL RD BETWEEN STA. 1+25 AND 12+00

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

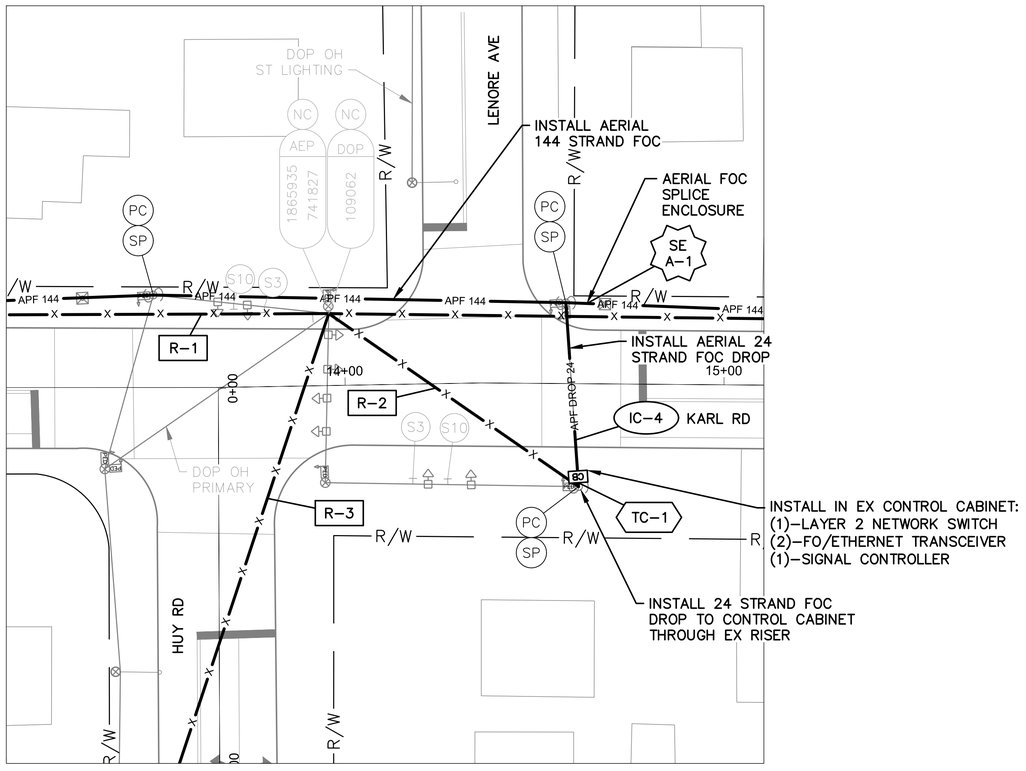
3150-E

511
1000

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KARL RD BETWEEN STATION 12+00 AND 23+00



DETAIL - INT 3155

0 20 40

HORIZONTAL
SCALE IN FEET

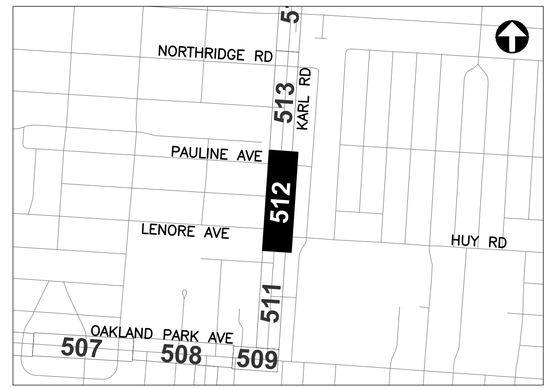
NOTES:

1. SEE SHEET 516 FOR QUANTITIES.
2. SEE SHEETS 672 & 832 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

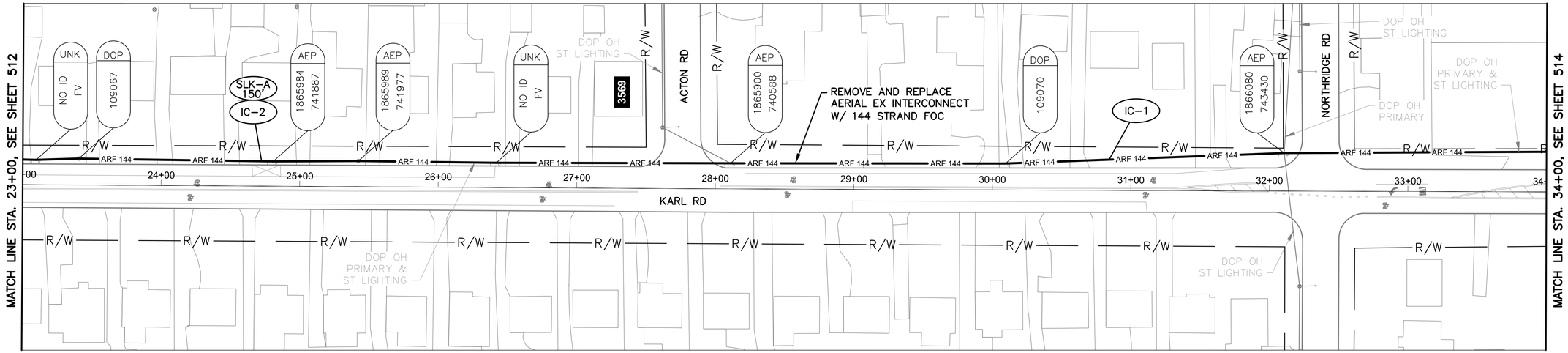
INTERCONNECT PLAN
KARL RD BETWEEN STA. 12+00 AND 23+00, INT 3155

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

512
1000

3150-E

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KARL RD BETWEEN STATION 23+00 AND 34+00

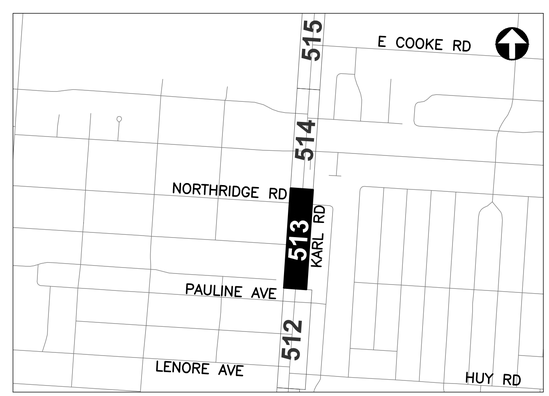
NOTES:

1. SEE SHEET 516 FOR QUANTITIES.
2. SEE SHEET 672 FOR COMMUNICATION DETAILS.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

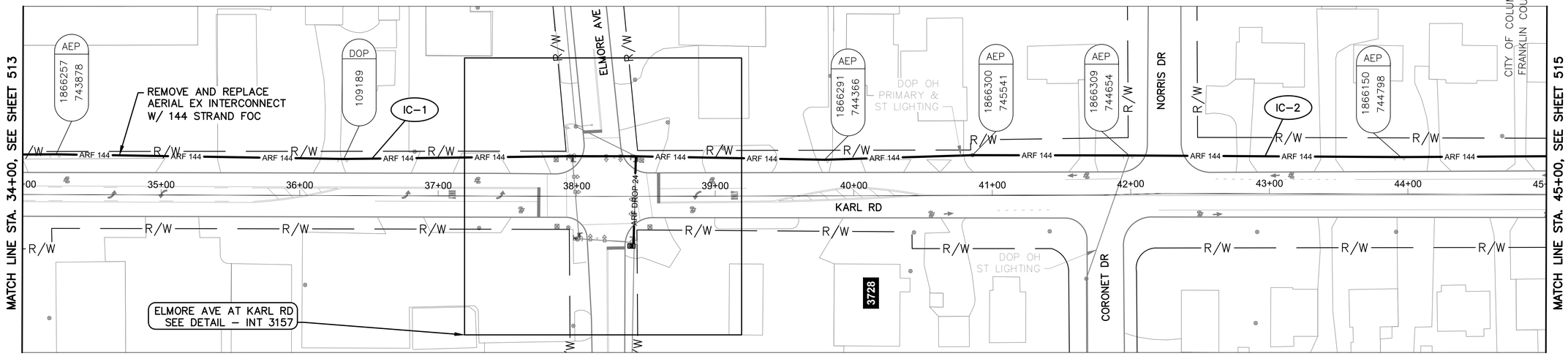
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PID NUMBER: 82573

INTERCONNECT PLAN
KARL RD BETWEEN STA. 23+00 AND 34+00

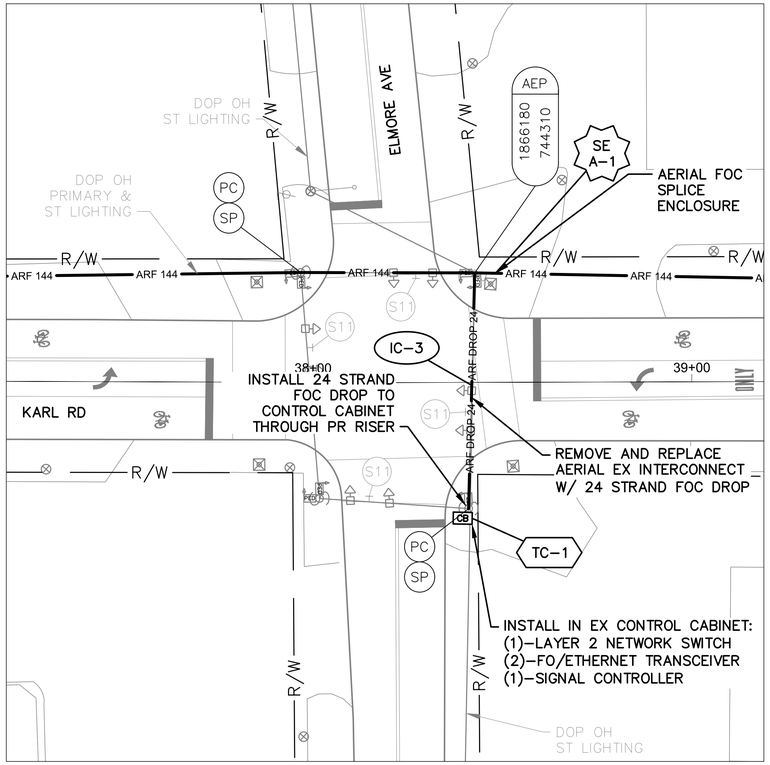
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

513
1000

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KARL RD BETWEEN STATION 34+00 AND 45+00



DETAIL - INT 3157

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 516 FOR QUANTITIES.
2. SEE SHEETS 672 & 833 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 UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL SCALE IN FEET

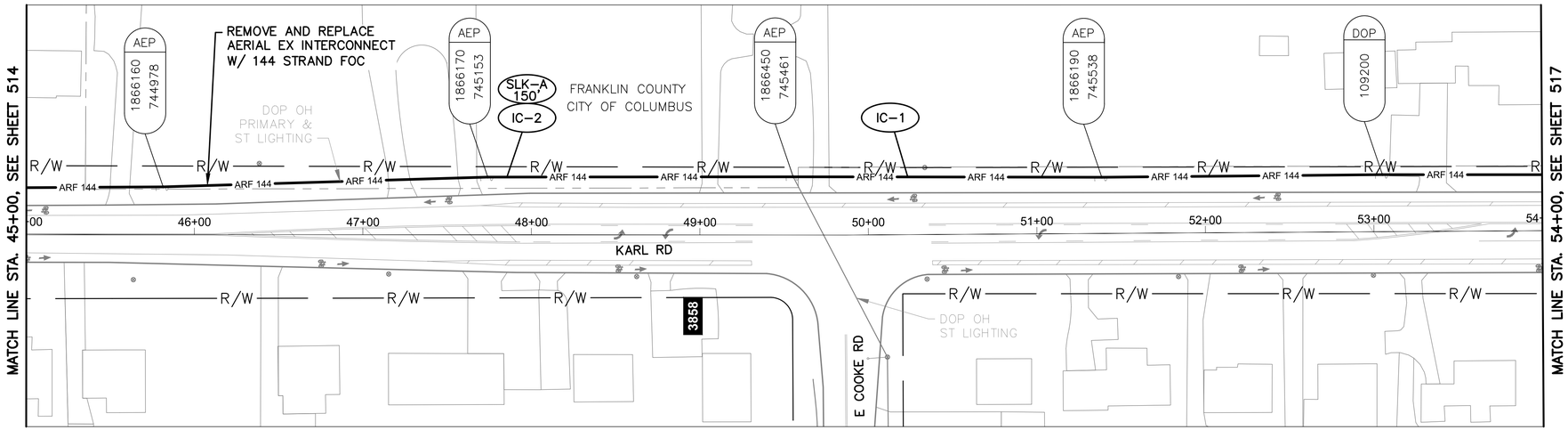
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PID NUMBER: 82573

INTERCONNECT PLAN
KARL RD BETWEEN STA. 34+00 AND 45+00, INT 3157

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

514
1000

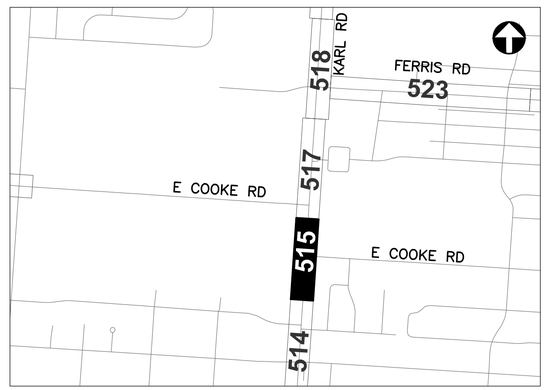
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KARL RD BETWEEN STATION 45+00 AND 54+00

NOTES:

1. SEE SHEET 516 FOR QUANTITIES.
2. SEE SHEET 672 FOR COMMUNICATION DETAILS.



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
KARL RD BETWEEN STA. 45+00 AND 54+00

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

515
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH EACH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN EACH
KARL RD. BETWEEN STA. 1+25 AND 12+00															
511	IC-1	KARL RD	1+25, 20' LT	11+97, 19' LT		1,089		1,073				1,089			
511	IC-3	KARL RD	6+88, 18' LT			150									
511	IC-2	KARL RD	11+97, 19' LT	12+00, 19' LT		3						3			
511	R-1	KARL RD	11+97, 19' LT	12+00, 19' LT				3							
KARL RD. BETWEEN STA. 12+00 AND 23+00, INT 3155															
512	R-1	KARL RD	12+00, 19' LT	15+93, 17' LT				394							
512	IC-1	KARL RD	12+00, 19' LT	14+57, 24' LT		262						262			
512	R-3	KARL RD	13+48, 125' RT	13+95, 19' LT				152							
512	R-2	KARL RD	13+55, 19'	14+61, 27'				0							
512	SE A-1	KARL RD	14+57, 24' LT						1						
512	IC-4	KARL RD	14+57, 24' LT	14+61, 27' RT						1		53			
512	IC-2	KARL RD	14+57, 24' LT	15+94, 17' LT		139						139			
512	TC-1	KARL RD	14+61, 27' RT										2	1	1
512	IC-3	KARL RD	15+94, 17' LT	23+00, 18' LT		716		705				716			
KARL RD. BETWEEN STA. 23+00 AND 34+															
513	IC-1	KARL RD	23+00, 18' LT	24+00, 29'		1,117						1,1			
513	IC-2	KARL RD	24+72, 18' LT			150									
KARL RD. BETWEEN STA. 34+00 AND 45+0 INT 3157															
514	IC-1	KARL RD	34+00, 29' LT	38+42, 29' LT		4		443				4	0		
514	IC-3	KARL RD	34+40, 33' RT	38+42, 29' LT				62			1	3			
514	TC-1	KARL RD	38+40, 33' RT		1								2	1	1
514	SE A-1	KARL RD	38+42, 29' LT			150	24		1						
514	IC-2	KARL RD	38+42, 29' LT	45+00, 28' LT		667		657				667			
KARL RD. BETWEEN STA. 45+00 AND 54+00															
515	IC-1	KARL RD	45+00, 28' LT	54+00, 33'											
515	IC-2	KARL RD	47+85, 34' LT			150									
SHEET TOTAL					1	6,107	48	5,569	2	1	1	5,473	4	2	2

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

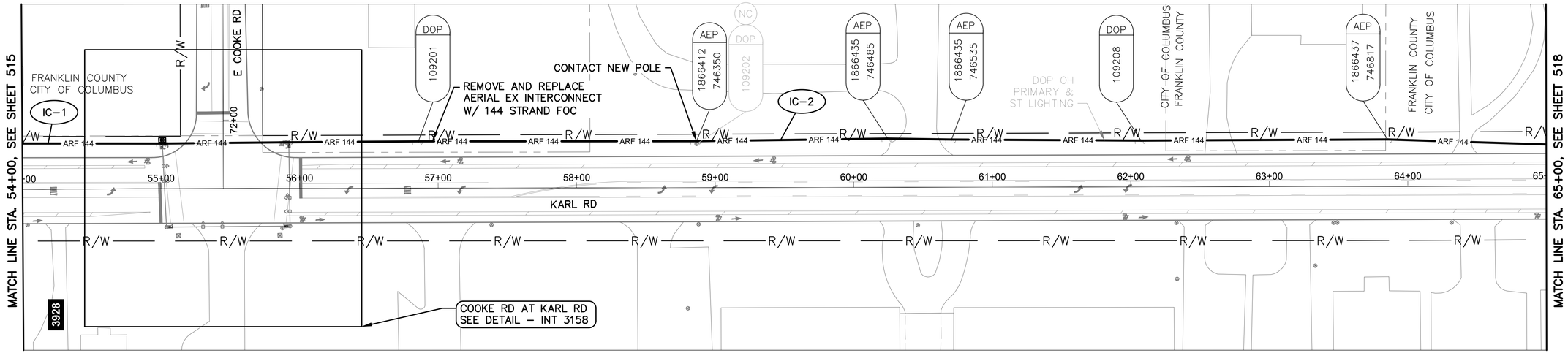
QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.

CIP: 540007-100006
PID NUMBER: 82573

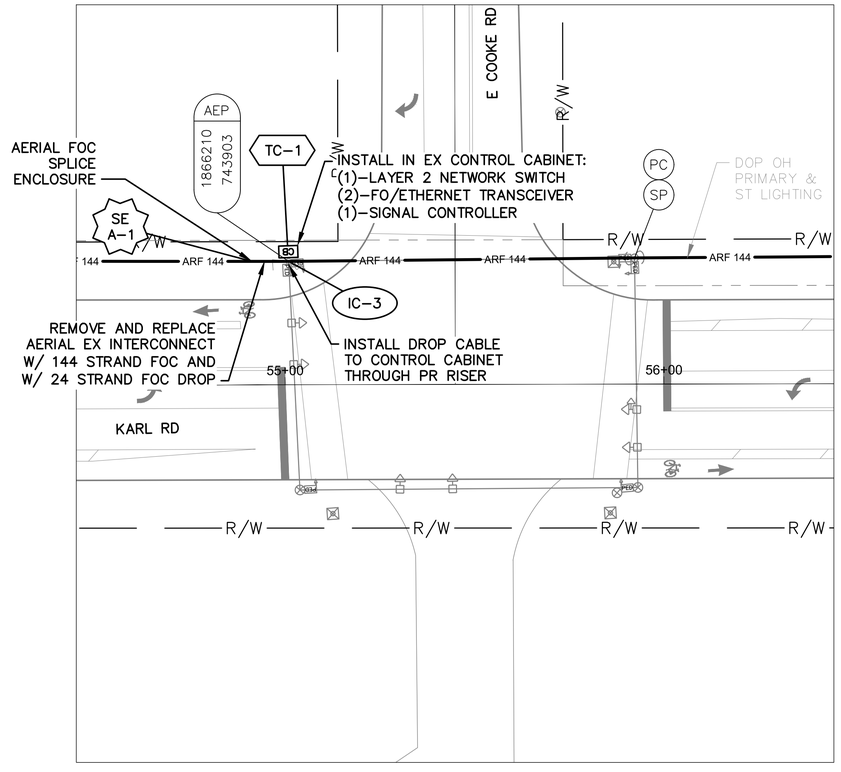
KARL RD BTW STA. 1+25 & 54+00
INTS 3155, 3157

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

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KARL RD BETWEEN STATION 54+00 AND 65+00



DETAIL - INT 3158

0 20 40

HORIZONTAL
SCALE IN FEET

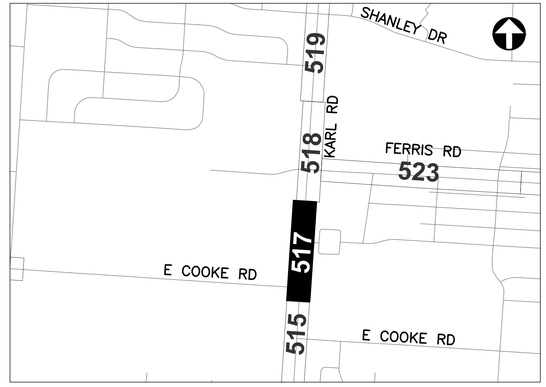
NOTES:

1. SEE SHEET 522 FOR QUANTITIES.
2. SEE SHEETS 672 & 834 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 UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

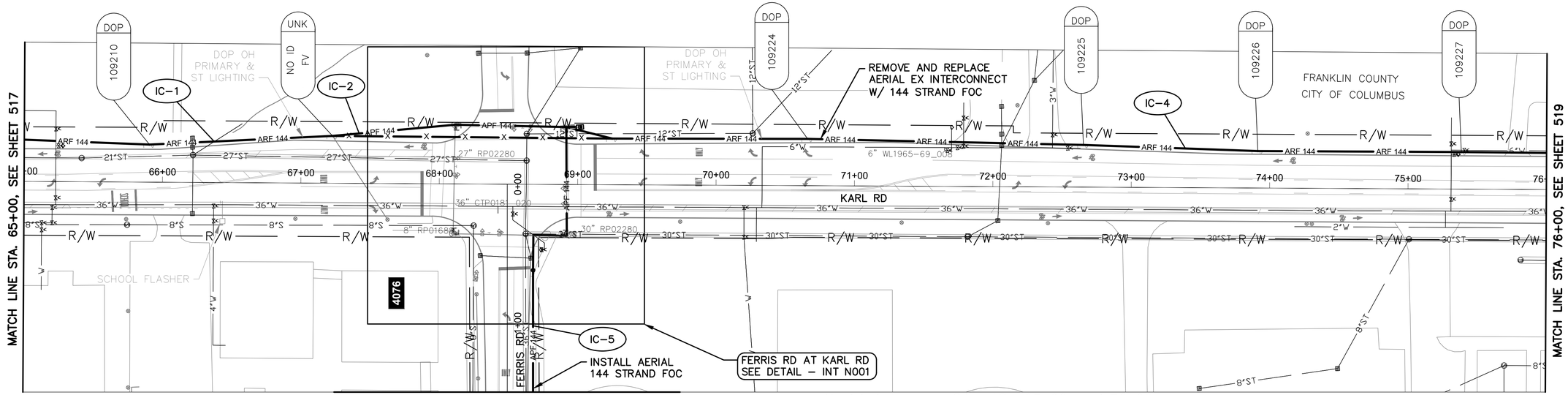
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
KARL RD BETWEEN STA. 54+00 AND 65+00, INT 3158

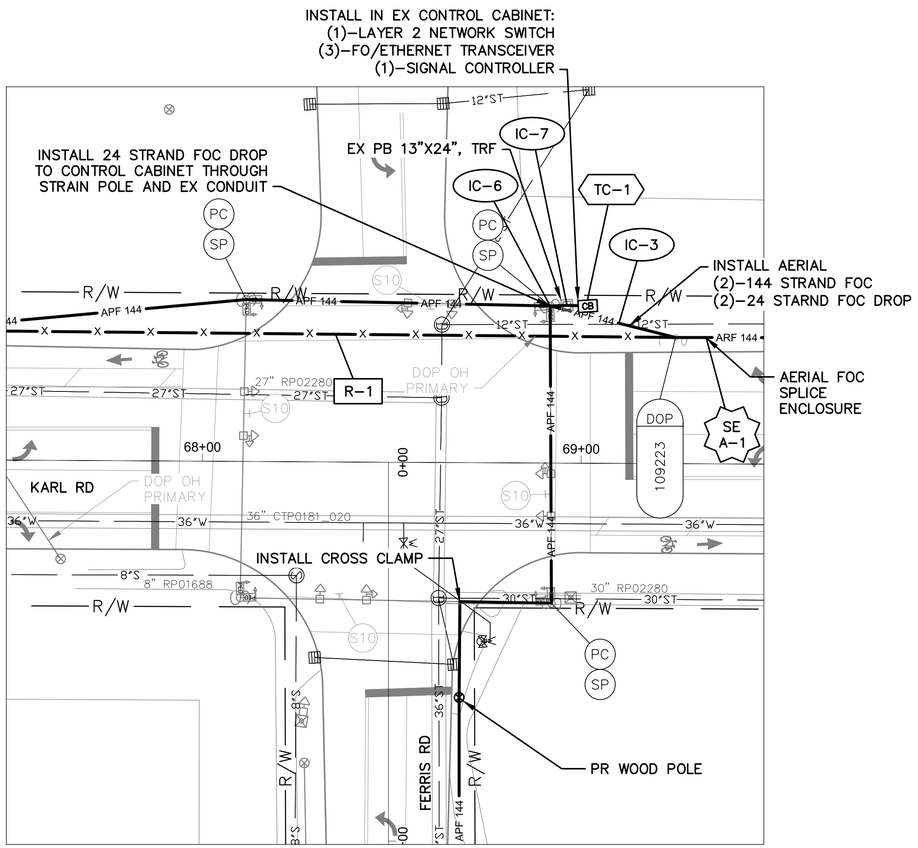
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

517
1000

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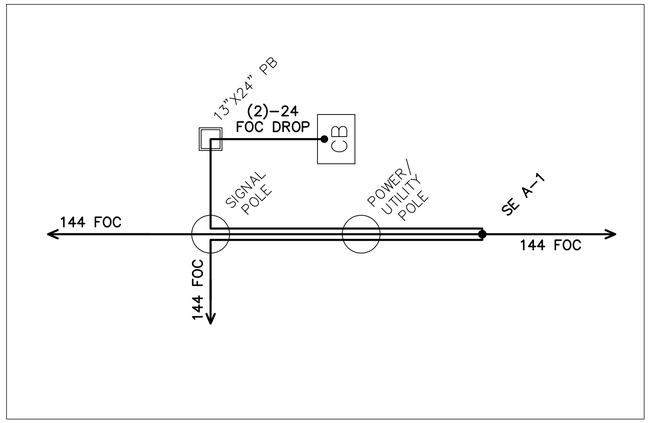


KARL RD BETWEEN STATION 65+00 AND 76+00



DETAIL - INT N001

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT N001

NOT TO SCALE

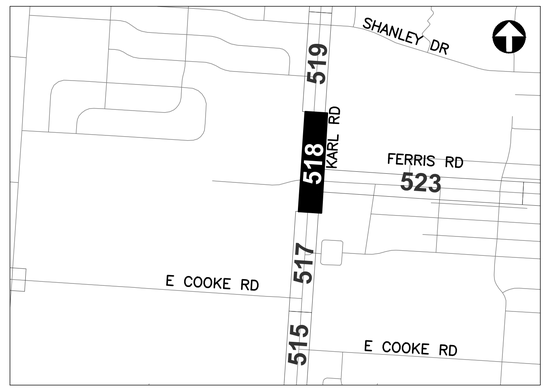
NOTES:

1. SEE SHEET 522 FOR QUANTITIES.
2. SEE SHEETS 672 & 835 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT N001, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.

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CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

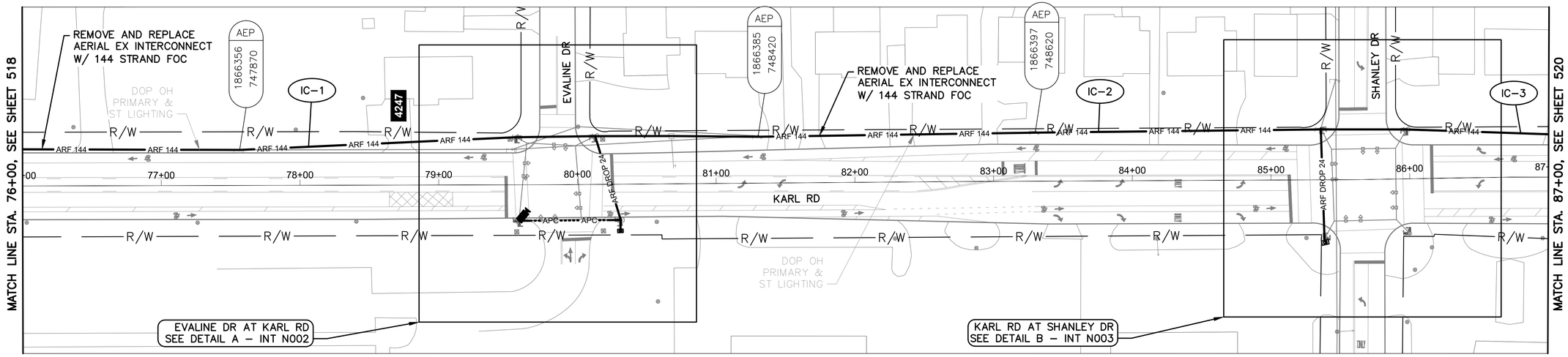
INTERCONNECT PLAN
KARL RD BETWEEN STA. 65+00 AND 76+00, INT N001

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

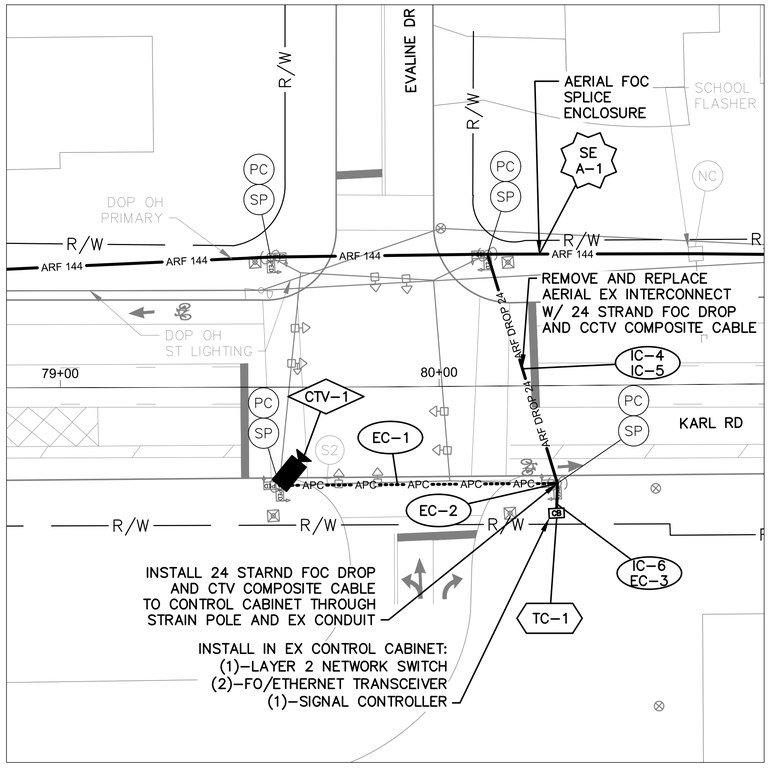
518
1000

3150-E

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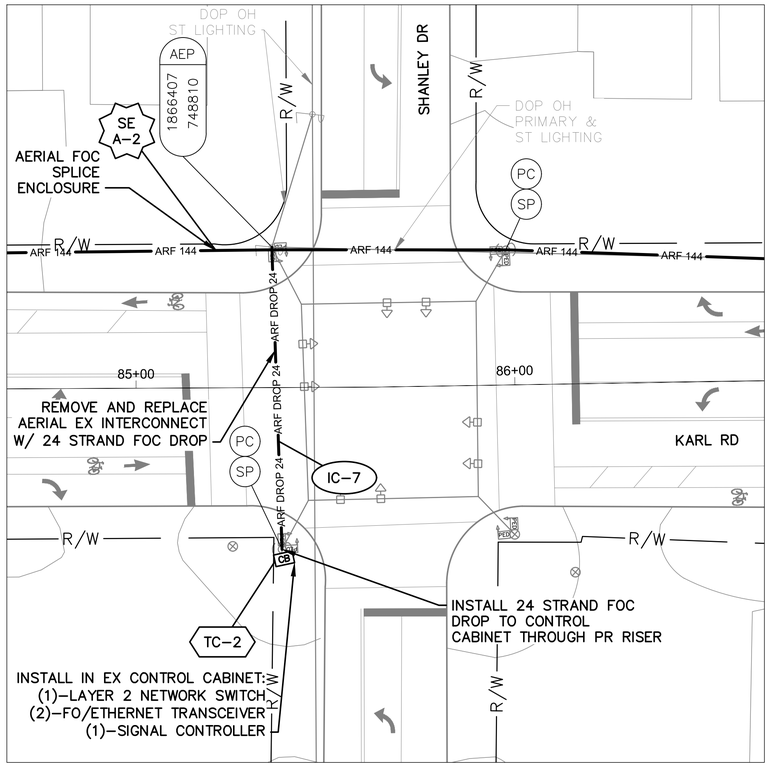
KARL RD BETWEEN STATION 76+00 AND 87+00



DETAIL A - INT N002

0 20 40

HORIZONTAL SCALE IN FEET



DETAIL B - INT N003

0 20 40

HORIZONTAL SCALE IN FEET

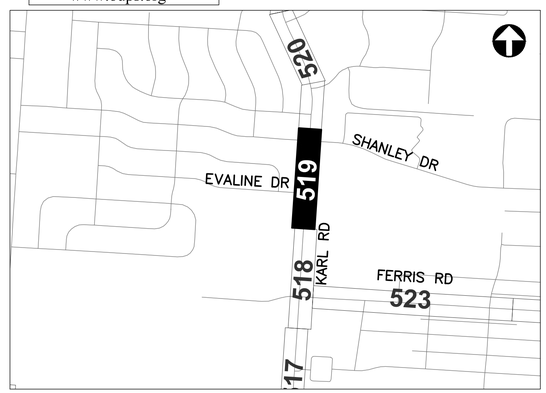
NOTES:

1. SEE SHEET 522 FOR QUANTITIES.
2. SEE SHEETS 672, 837 & 838 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET AT INT N003 IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL SCALE IN FEET

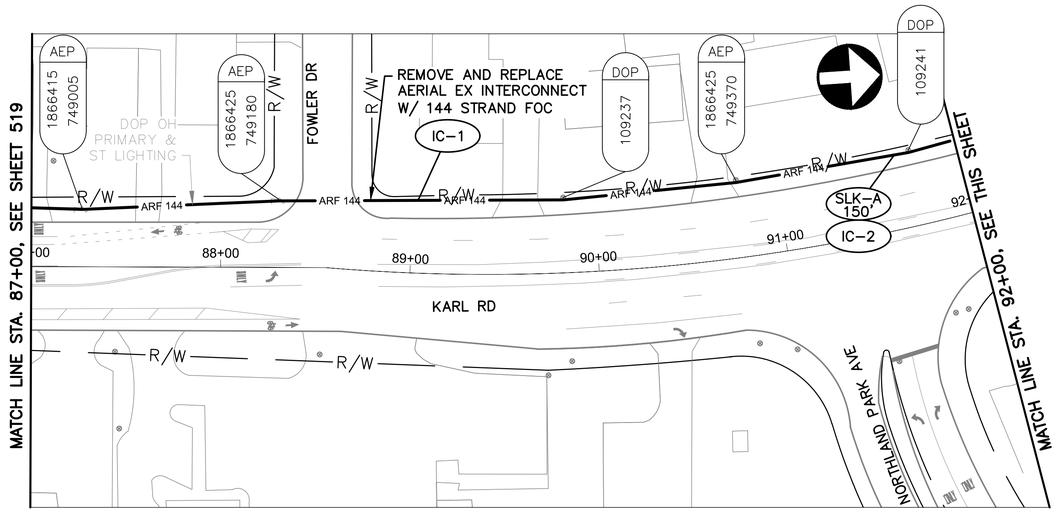
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
76+00 AND 87+00, INTS N002 & N003
KARL RD BETWEEN STA. 76+00

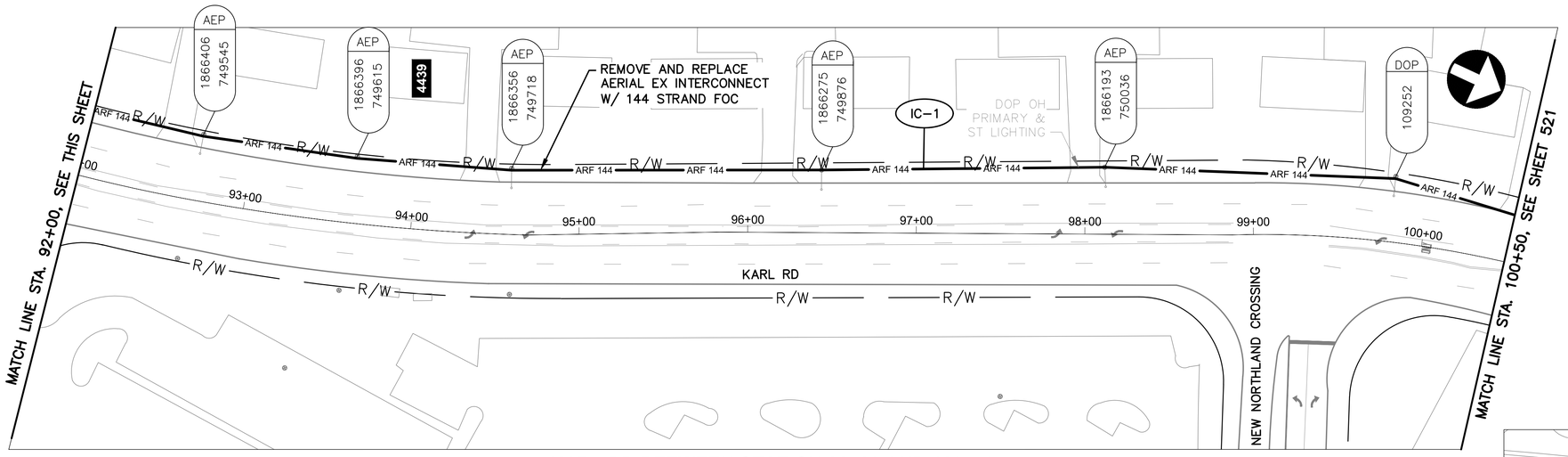
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

519
1000

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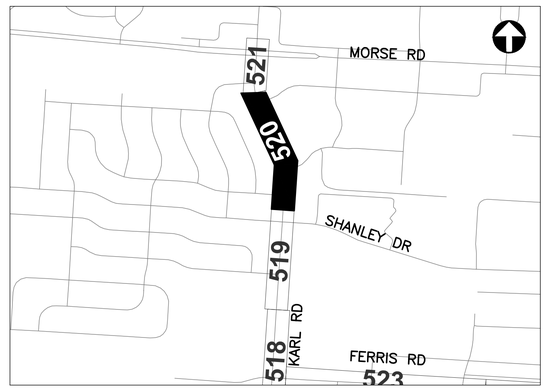
KARL RD BETWEEN STATION 87+00 AND 92+00



KARL RD BETWEEN STATION 92+00 AND 100+50

NOTES:

1. SEE SHEET 522 FOR QUANTITIES.
2. SEE SHEET 672 FOR COMMUNICATION DETAILS.



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

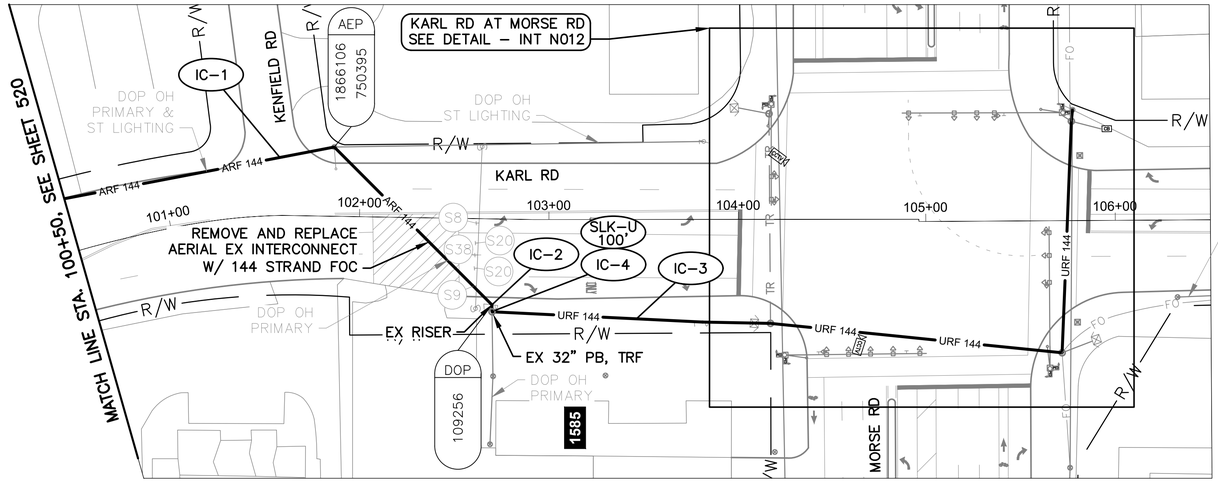
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PID NUMBER: 82573

INTERCONNECT PLAN
KARL RD BETWEEN STA. 87+00 AND 100+50

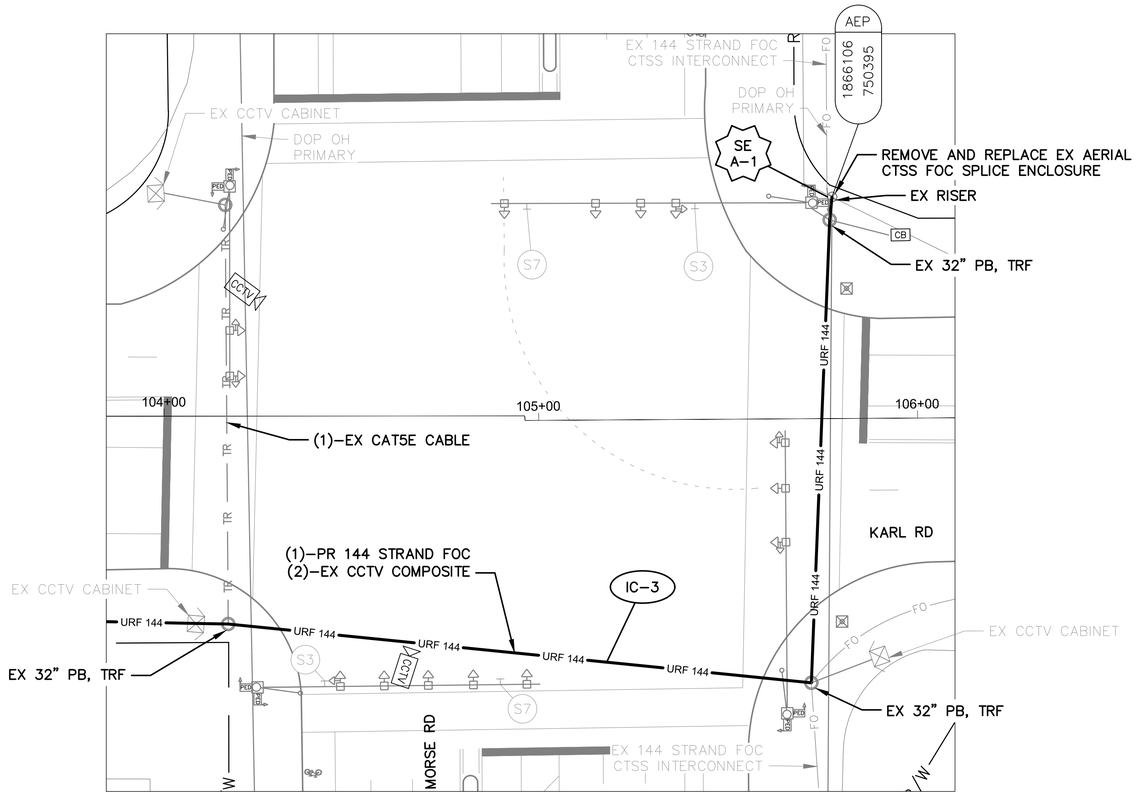
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

520
1000

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KARL RD BETWEEN STATION 100+50 AND 106+50



DETAIL - INT N012

0 20 40

HORIZONTAL
SCALE IN FEET

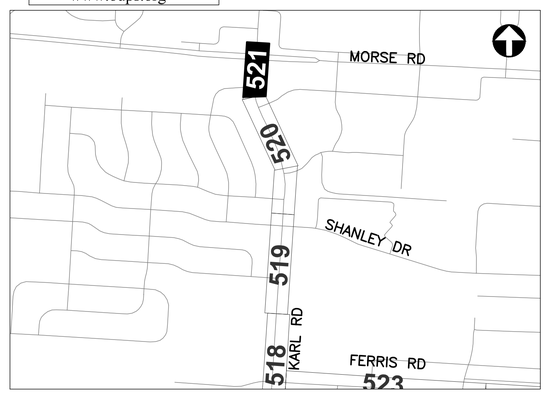
NOTES:

1. SEE SHEET 522 FOR QUANTITIES.
2. SEE SHEETS 672 & 839, & 840 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
KARL RD BETWEEN STA. 100+50 AND 106+50, INT N012

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

521
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN FT	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	632 SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE FT	632 SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM EACH	632 WOOD POLE, CLASS 5, 35 FT EACH	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH EACH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN EACH					
KARL RD. BETWEEN STA. 54+00 AND 65+00, INT 3158																									
517	IC-1	KARL RD	54+00, 33' LT	54+90, 33' LT			93		91				93												
517	SE A-1	KARL RD	54+90, 33' LT				150	24		1															
517	IC-3	KARL RD	54+90, 33' LT	55+00, 33' LT							1														
517	TC-1	KARL RD	55+00, 33' LT			1													2	1	1				
517	IC-2	KARL RD	54+90, 33' LT	65+00, 30' LT			1,024		1,009				1,024												
KARL RD. BETWEEN STA. 65+00 AND 76+00, INT N001																									
518	IC-1	KARL RD	65+00, 30' LT	67+22, 34' LT			226		223				226												
518	IC-2	KARL RD	67+22, 34' LT	69+24, 33' LT			207						207												
518	R-1	KARL RD	67+22, 34' LT	69+24, 33' LT					202																
518	IC-5	KARL RD	68+ [illegible] 150' LT	68+ [illegible] 41' LT			226						226												
518	IC-7	KARL RD	68+ [illegible] 42' LT	[illegible] 42' LT		15																			
518	IC-3	KARL RD	[illegible] LT	69+24, 33' LT																					
518	TC-1	KARL RD	69+01, 42' LT																3	1	1				
518	IC-6	KARL RD	69+01, 42' LT	69+24, 33' LT							2														
518	SE A-1	KARL RD	69+24, 33' LT	[illegible]			22	22																	
518	IC-4	KARL RD	69+24, 33' LT	[illegible]+00 LT			685		675				68												
KARL RD. BETWEEN STA. 76+00 AND 87+00, INTS N002 & N003																									
519	IC-1	KARL RD	76+00, 26' LT	80+13, 35' LT			419		413				419												
519	CTV-1	KARL RD	79+58, 26' RT													1									
519	EC-1	KARL RD	79+[illegible] 26' RT	80+31, [illegible]' RT										75											
519	SE A-1	KARL RD	80+13, [illegible]' LT				50	24		1															
519	IC-2	KARL RD	80+13, [illegible]' LT	[illegible]+36, [illegible]' LT			531		523				531												
519	IC-4	KARL RD	80+13, 35' LT	80+31, 26' RT					63				64												
519	IC-5	KARL RD	80+13, 35' LT	80+30, 37' RT								1													
519	TC-1	KARL RD	80+30, 37' RT																2						
519	IC-6	KARL RD	80+30, 37' RT	[illegible]+31, [illegible] RT		16																			
519	EC-3	KARL RD	80+30, 37' RT	[illegible]+31, 26' RT												16									
519	EC-2	KARL RD	80+31, 26' RT													35									
519	IC-7	KARL RD	85+34, 43' RT	85+36, 37' LT					80			1	81												
519	TC-2	KARL RD	85+34, 43' RT			1													2	1	1				
519	SE A-2	KARL RD	85+36, 37' LT	[illegible]+00, [illegible] LT			150	24		1															
519	IC-3	KARL RD	85+36, 37' LT	[illegible]+00, [illegible] LT			166		164				166												
KARL RD. BETWEEN STA. 87+00 AND 100+50																									
520	IC-1	KARL RD	87+00, 32' LT	100+50, 28' LT			1,359		1,339				1,359												
520	IC-2	KARL RD	91+65, 40' LT				150																		
KARL RD. BETWEEN STA. 100+50 AND 106+50, INT N012																									
521	IC-1	KARL RD	100+50, 28' RT	102+70, 45' RT			267		263				267												
521	IC-3	KARL RD	102+70, 45' RT	105+76, 61' LT	436		436																		
521	IC-2	KARL RD	102+70, 45' RT				35																		
521	IC-4	KARL RD	102+70, 49' RT				100																		
521	SE A-1	KARL RD	105+76, 61' LT				110	132																	
SHEET TOTAL					467	2	6,744	432	5,045	4	3	2	5,423	136	1	1	9	4	4	-	-	-	-	-

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.

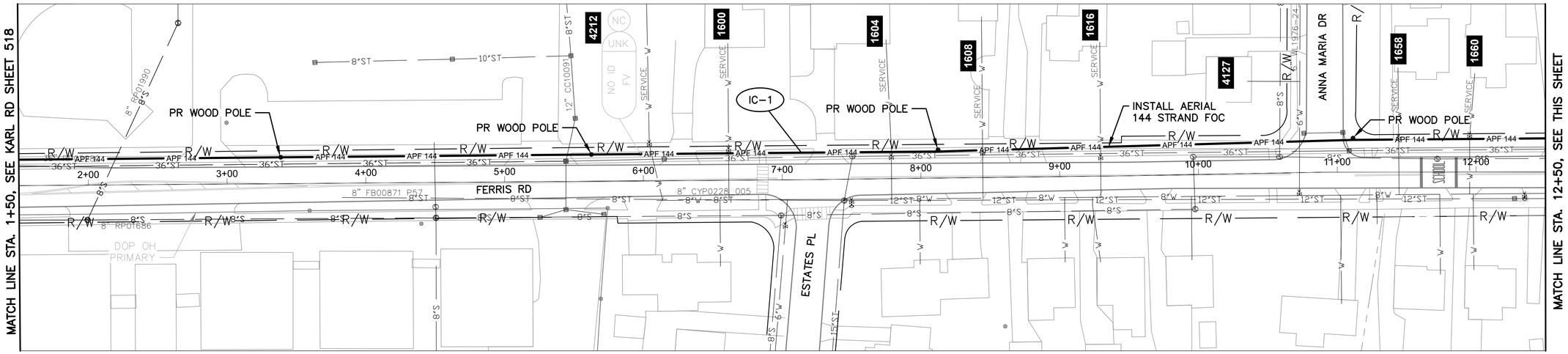
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PID NUMBER: 82573

KARL RD BETWEEN STA. 54+00 & 106+50
INTS 3158, N001, N002, N003, N012

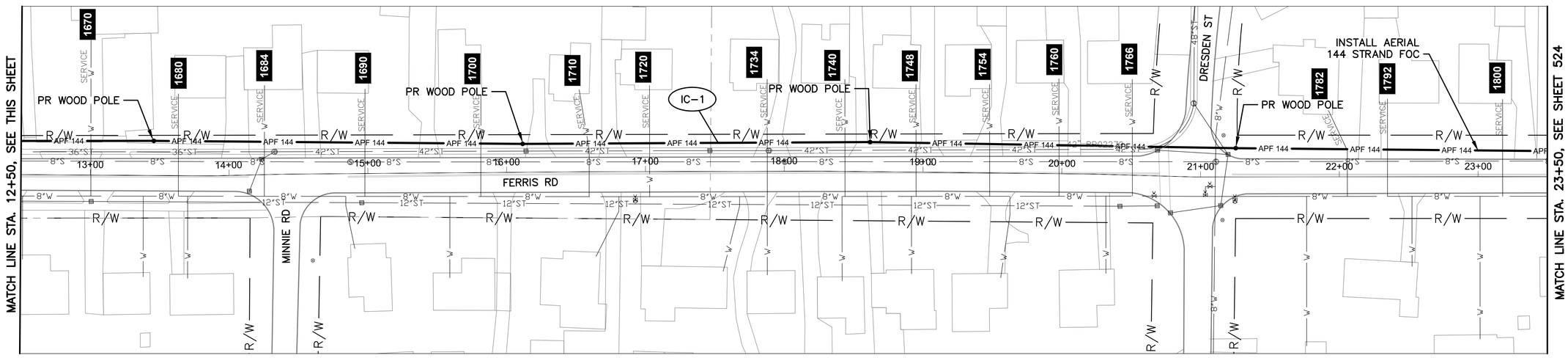
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

522
1000

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FERRIS RD BETWEEN STATION 1+50 AND 12+50



FERRIS RD BETWEEN STATION 12+50 AND 23+50

NOTES:

1. SEE SHEET 525 FOR QUANTITIES.
2. SEE SHEET 672 FOR COMMUNICATION DETAILS.



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

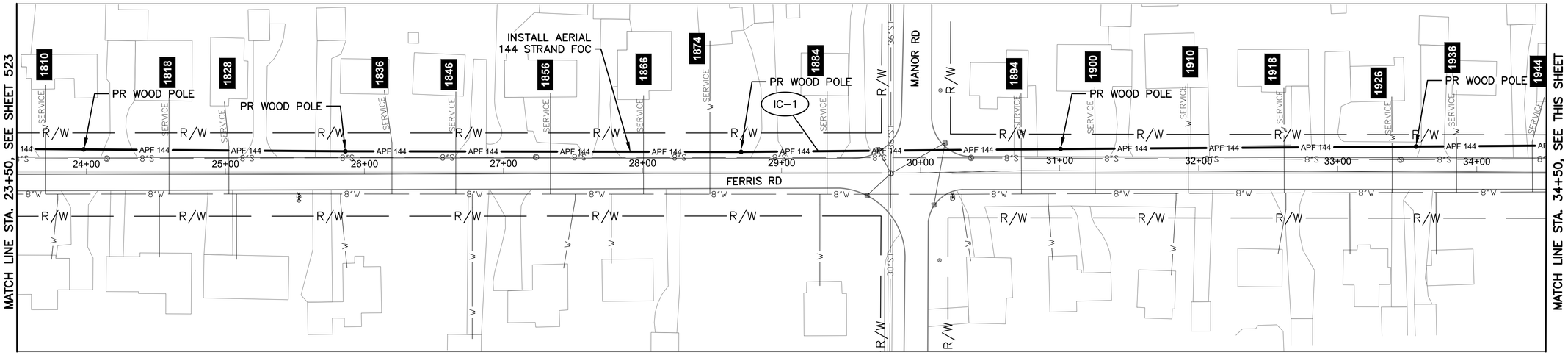
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
FERRIS RD BETWEEN STA. 1+50 AND 23+50

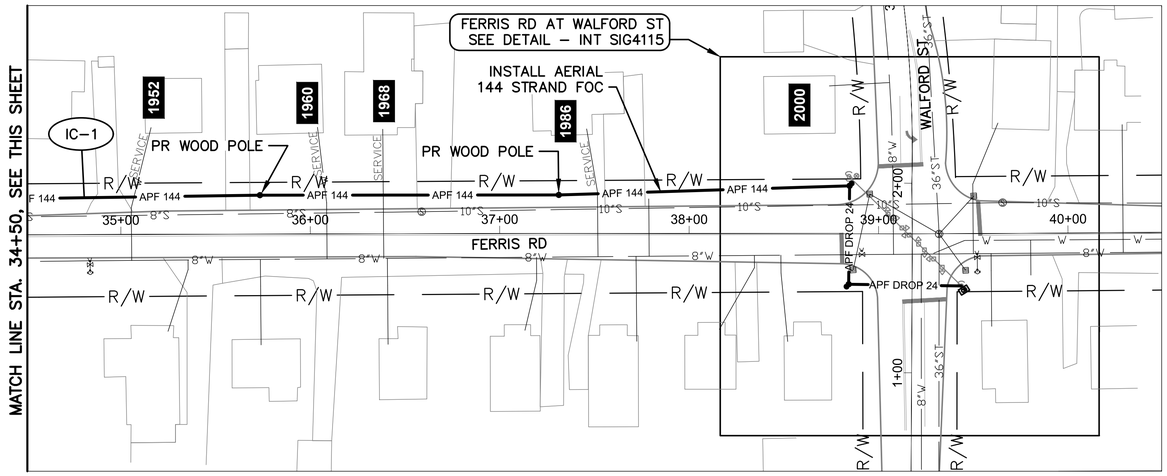
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

523
1000

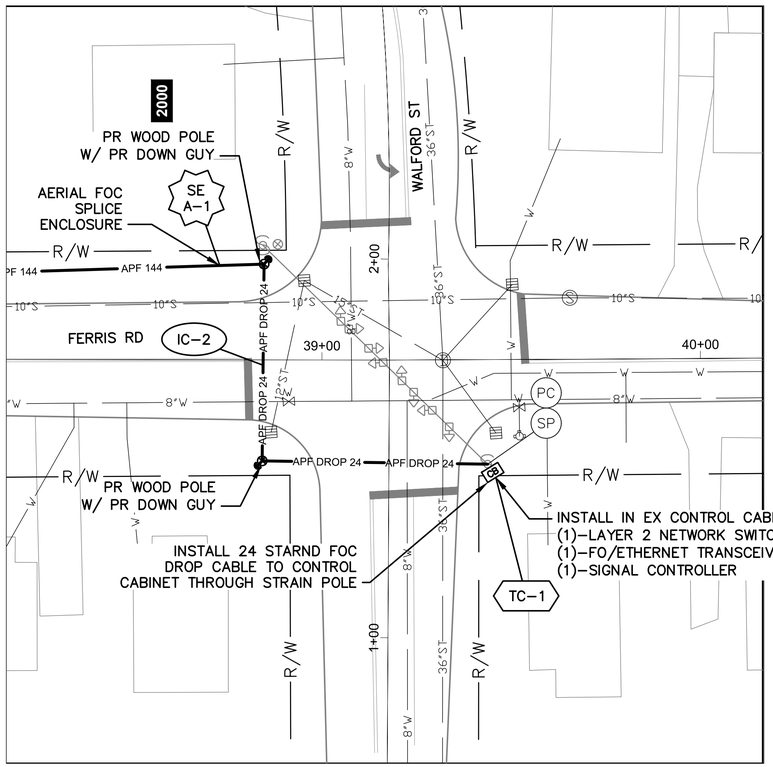
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FERRIS RD BETWEEN STATION 23+50 AND 34+50



FERRIS RD BETWEEN STATION 34+50 AND 40+50



DETAIL - INT SIG4115

0 20 40
HORIZONTAL
SCALE IN FEET

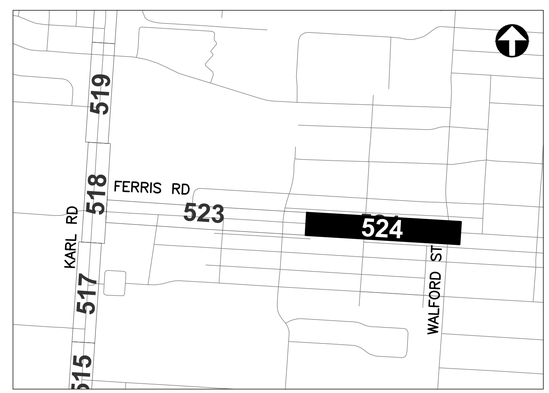
NOTES:

1. SEE SHEET 525 FOR QUANTITIES.
2. SEE SHEETS 672 & 836 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
FERRIS RD BETWEEN STA. 23+50 AND 40+50, INT SIG4115

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

524
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632 DOWN GUY	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	632 WOOD POLE, CLASS 5, 35 FT	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN										
			FROM	TO	EACH	FT	EACH	EACH	EACH	FT	EACH	EACH	EACH	EACH									
FERRIS RD. BETWEEN STA. 1+50 AND 23+50																							
523	IC-1	FERRIS RD	1+50, 29' LT	23+50, 151' LT		2,233				2,233	8												
FERRIS RD. BETWEEN STA. 23+50 AND 40+50, INT SIG4115																							
524	IC-1	FERRIS RD	23+50, 151' LT	38+88, 31' LT	1	1,556				1,556	8												
524	SE A-1	FERRIS RD	38+88, 31' LT			75	12	1															
524	IC-2	FERRIS RD	38+88, 31' LT	39+43, 28' RT	1				1	114	1												
524	TC-1	FERRIS RD	39+43, 28' RT									1	1	1									
SHEET TOTAL					2	3,864	12	1	1	3,903	17	1	1	1	-	-	-	-	-	-	-	-	-

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

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

3150-E

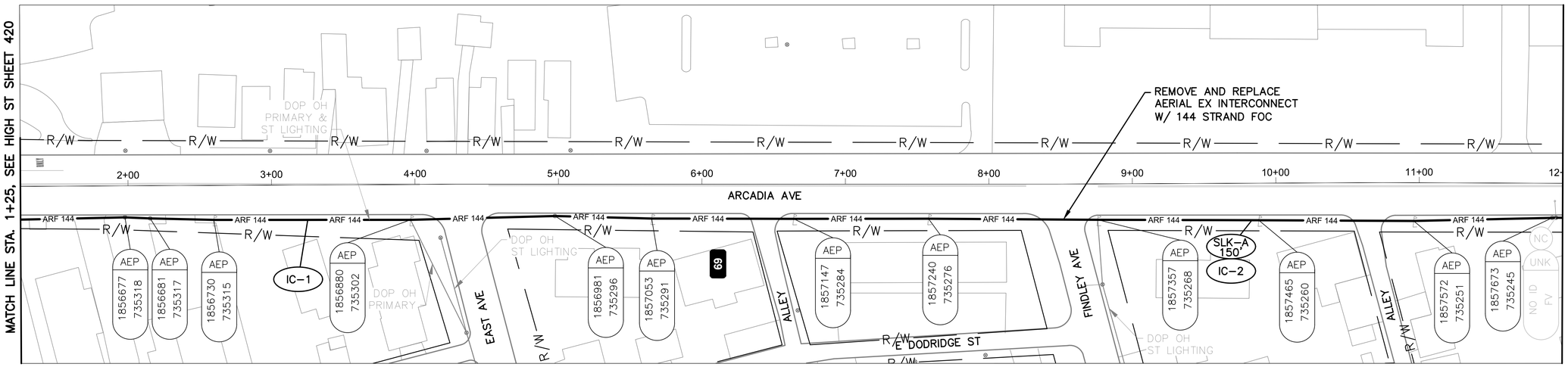
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PID NUMBER: 82573

FERRIS RD BETWEEN STA. 1+50 & 40+50
INT SIG4115

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

525
1000

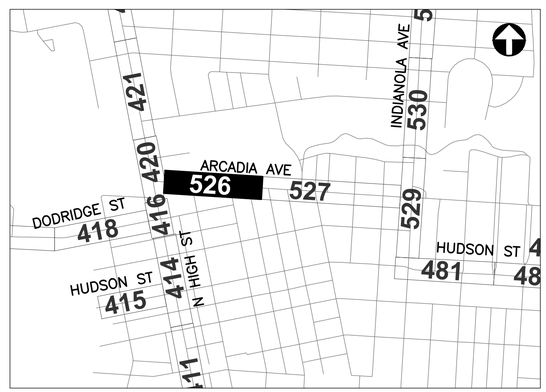
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ARCADIA AVE BETWEEN STATION 1+25 AND 12+00

NOTES:

1. SEE SHEET 528 FOR QUANTITIES.
2. SEE SHEET 668 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

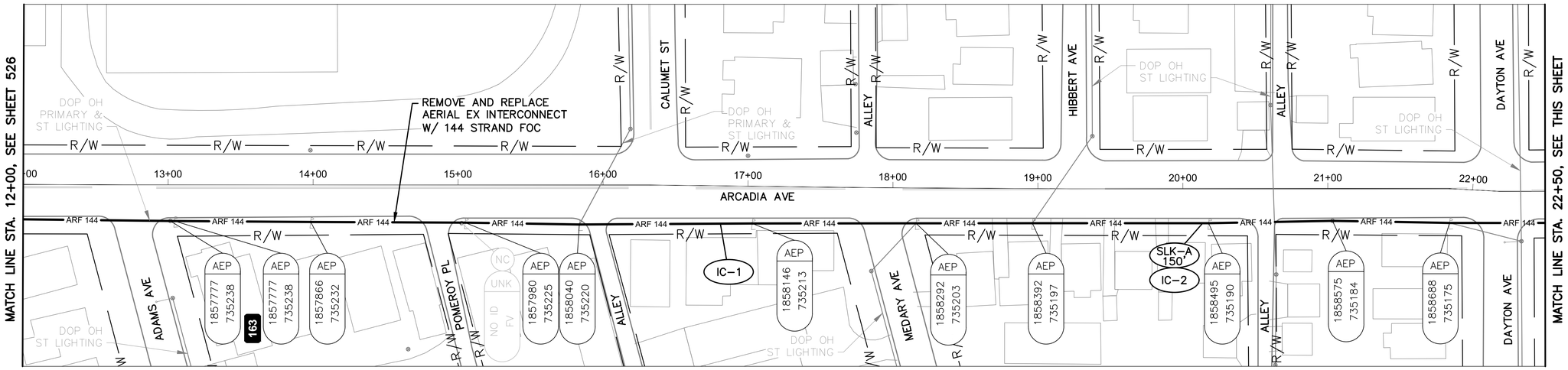
INTERCONNECT PLAN
ARCADIA AVE BETWEEN STA. 1+25 AND 12+00

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

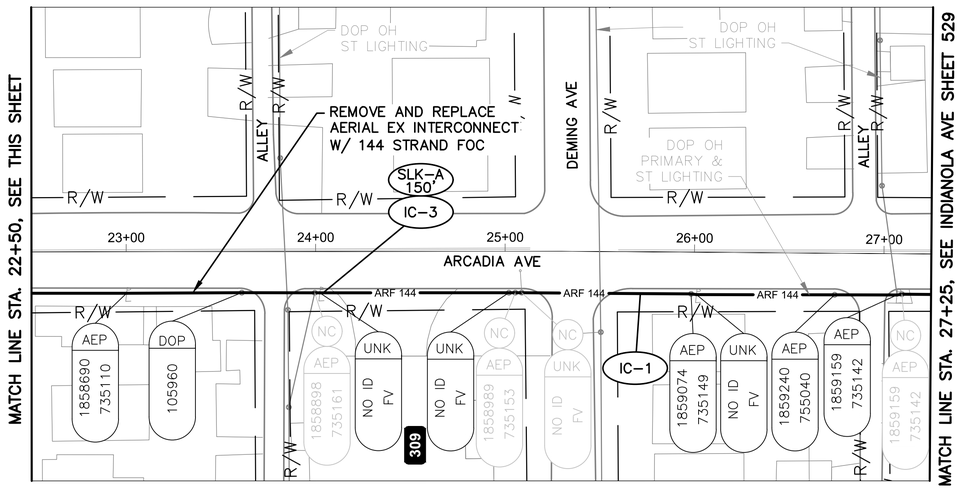
3150-E

526
1000

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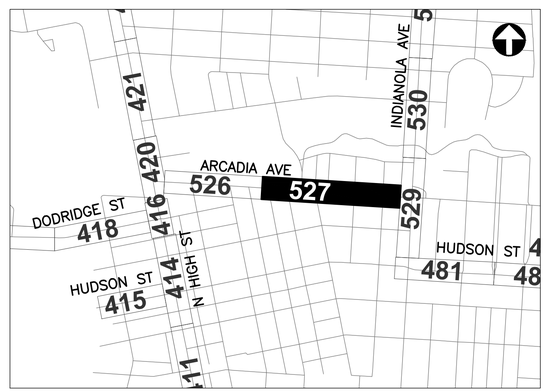
ARCADIA AVE BETWEEN STATION 12+00 AND 22+50



ARCADIA AVE BETWEEN STATION 22+50 AND 27+25

NOTES:

1. SEE SHEET 528 FOR QUANTITIES.
2. SEE SHEET 668 FOR COMMUNICATION DETAILS.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
ARCADIA AVE BETWEEN STA. 12+00 AND 27+25

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

3150-E

527
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk3_ARCADIA_INTERCONNECT.dwg - ARCADIA-2 layout ~ last saved by: gburch 08/18/2016 12:41pm ~ printed 03/19/2020 04:50pm

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN
			FROM	TO	FT	FT	FT
ARCADIA AVE. BETWEEN STA. 1+25 AND 12+00							
526	IC-1	ARCADIA AVE	1+25, 23' RT	12+00, 24' RT	1,091	1,075	1,091
526	IC-2	ARCADIA AVE	9+83, 26' RT		150		
ARCADIA AVE. BETWEEN STA. 12+00 AND 27+25							
527	IC-1	ARCADIA AVE	12+00, 24' RT	27+25, 21' RT	1,548	1,525	1,548
527	IC-2	ARCADIA AVE	20+13, 24' RT		150		
527	IC-3	ARCADIA AVE	24+04, 22' RT		150		
SHEET TOTAL					3,089	2,600	2,639

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

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

3150-E

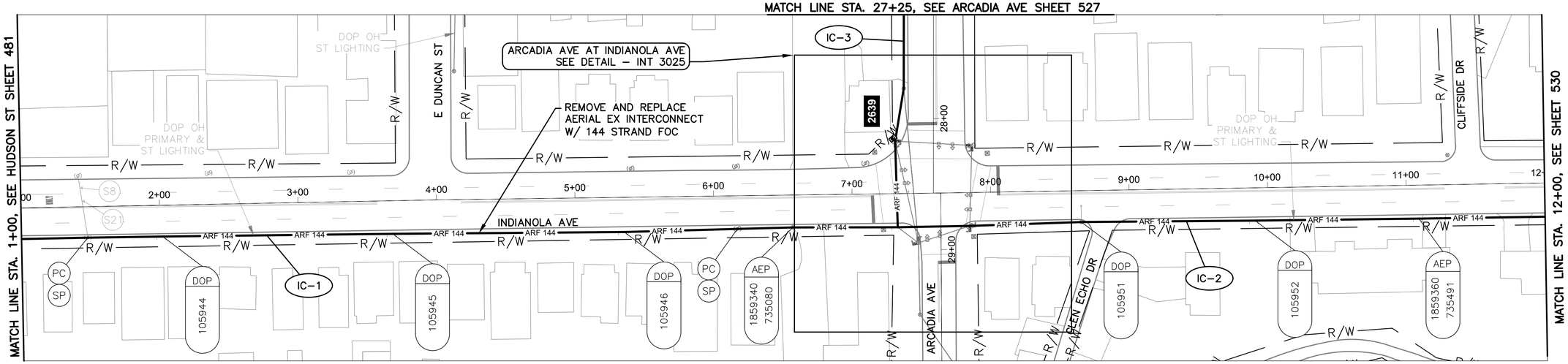
CIP: 540007-100006
PID NUMBER: 82573

ARCADIA AVE BETWEEN STA. 1+25 & 27+25

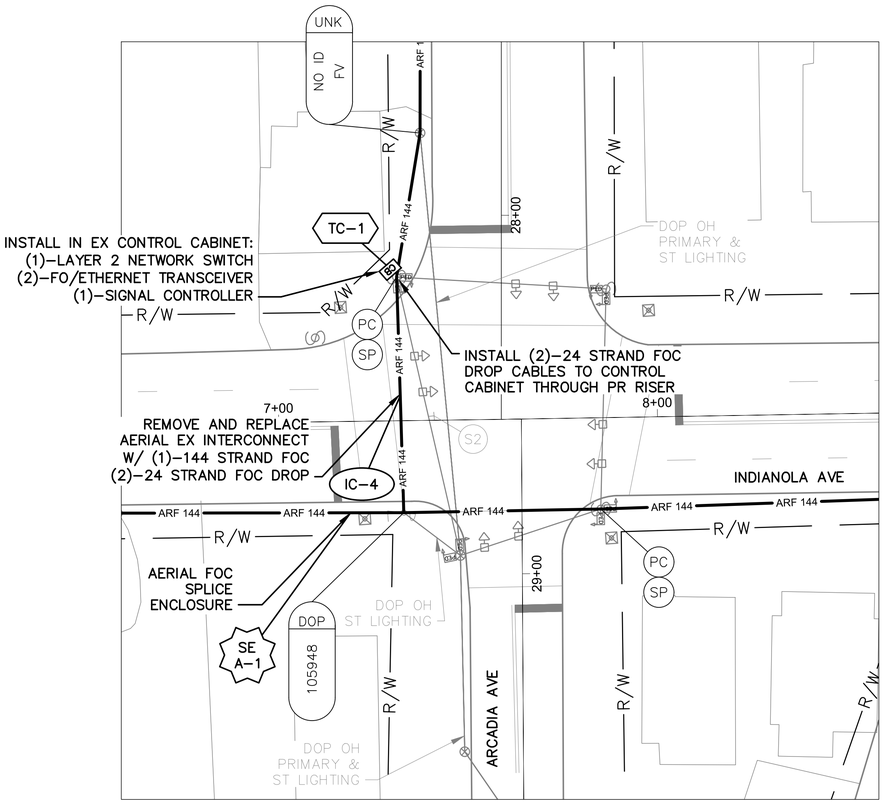
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

528
1000

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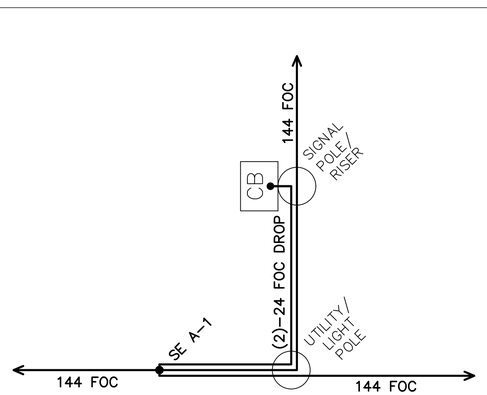


INDIANOLA AVE BETWEEN STATION 1+00 AND 12+00



DETAIL - INT 3025

0 20 40
HORIZONTAL
SCALE IN FEET



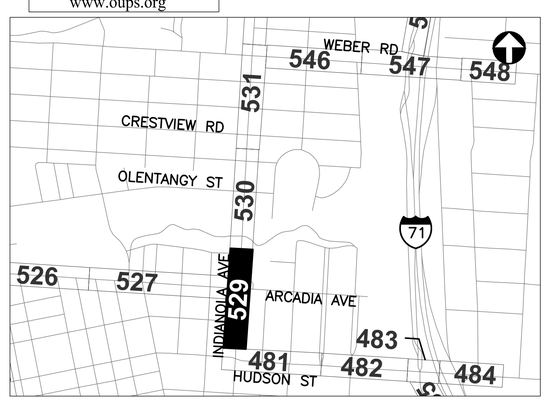
CABLE SCHEMATIC - INT 3025
NOT TO SCALE

NOTES:

1. SEE SHEET 535 FOR QUANTITIES.
2. SEE SHEETS 669 & 790 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. FOR THE SPLICE ENCLOSURE AT INT 3025, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.
5. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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www.oups.org

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100006
PID NUMBER: 82573

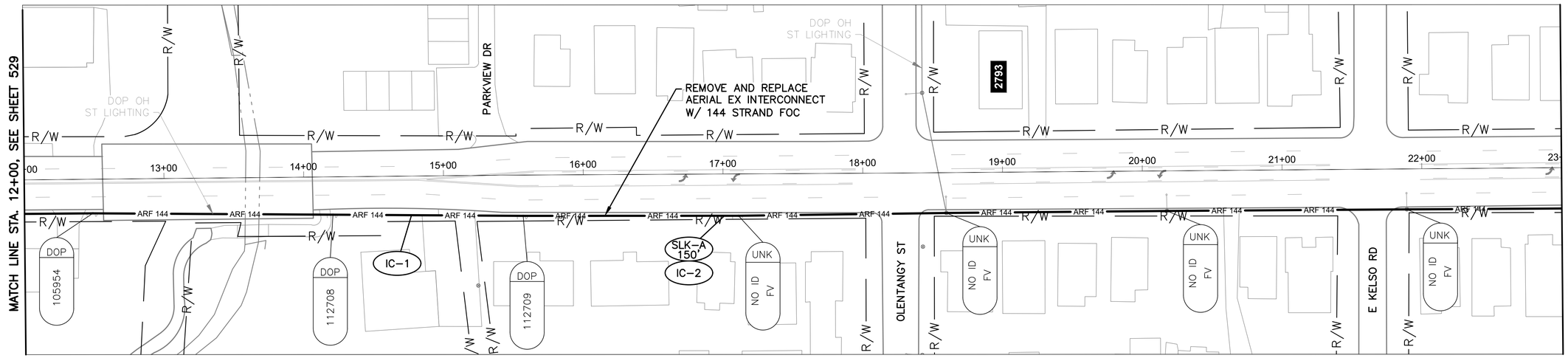
INTERCONNECT PLAN
INDIANOLA AVE BETWEEN STA. 1+00 AND 12+00, INT 3025

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

529
1000

3150-E

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INDIANOLA AVE BETWEEN STATION 12+00 AND 23+00

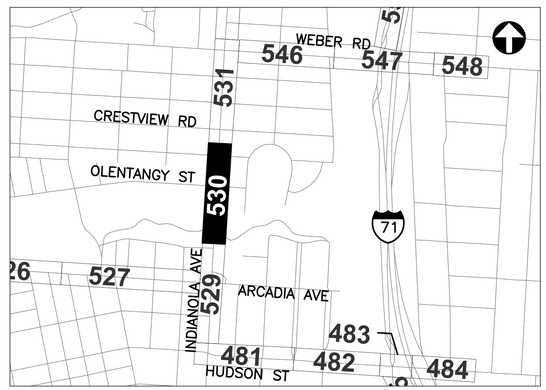
NOTES:

1. SEE SHEET 535 FOR QUANTITIES.
2. SEE SHEET 669 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

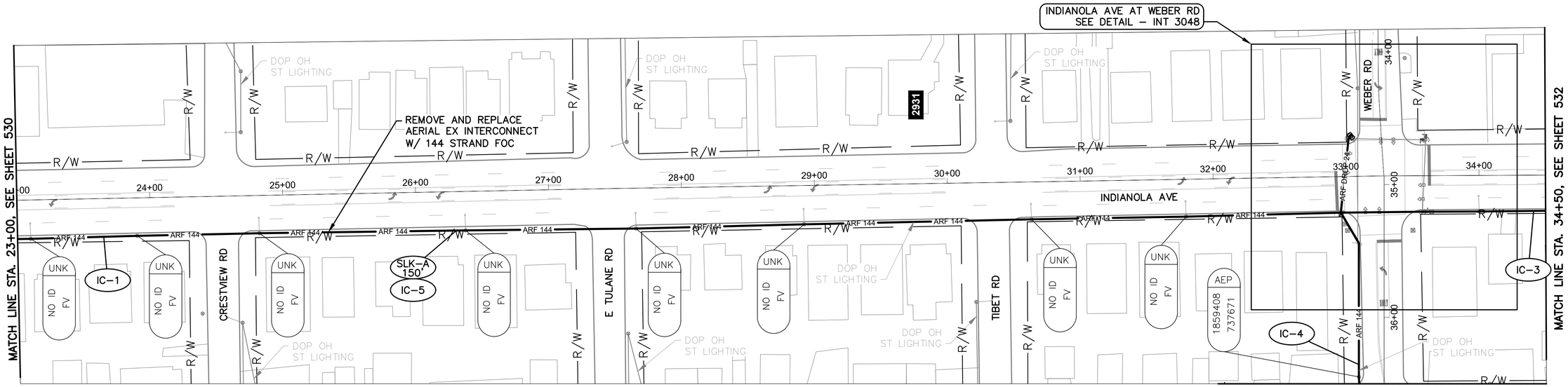
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
INDIANOLA AVE BETWEEN STA. 12+00 AND 23+00

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

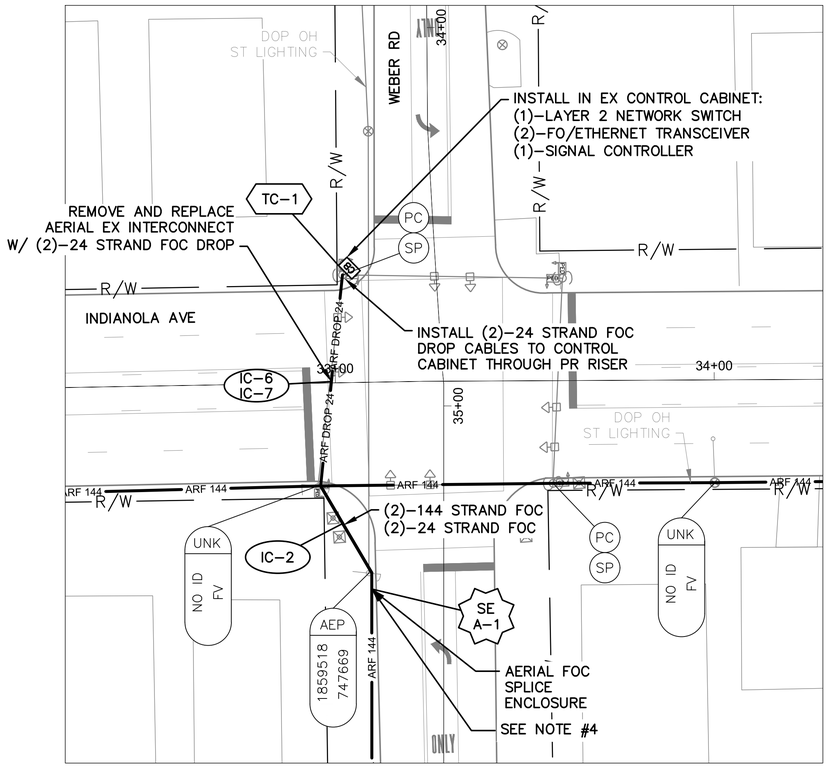
530
1000

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INDIANOLA AVE BETWEEN STATION 23+00 AND 34+50

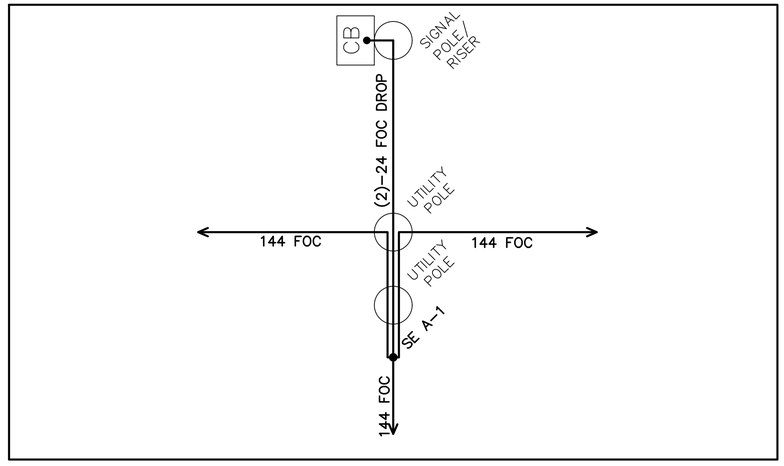
MATCH LINE STA. 36+50, SEE WEBER RD SHEET 546



DETAIL - INT 3048

0 20 40

HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 3048

NOT TO SCALE

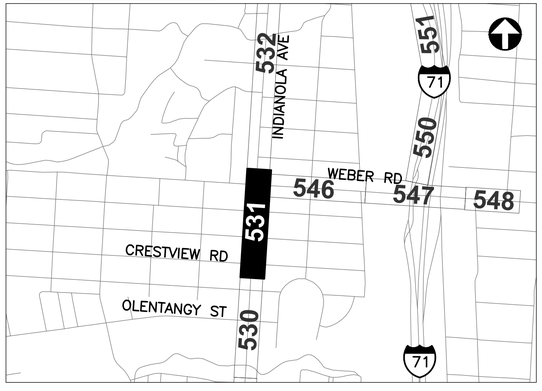
NOTES:

1. SEE SHEET 535 FOR QUANTITIES.
2. SEE SHEETS 669 & 791 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. FOR THE SPLICE ENCLOSURE AT INT 3048, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.
5. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.
6. COORDINATE WITH DIVISION OF POWER PROJECT #14153 THAT IS REPLACING POLES IN THE AREA.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR
INTERCONNECT SHEET INDEX

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

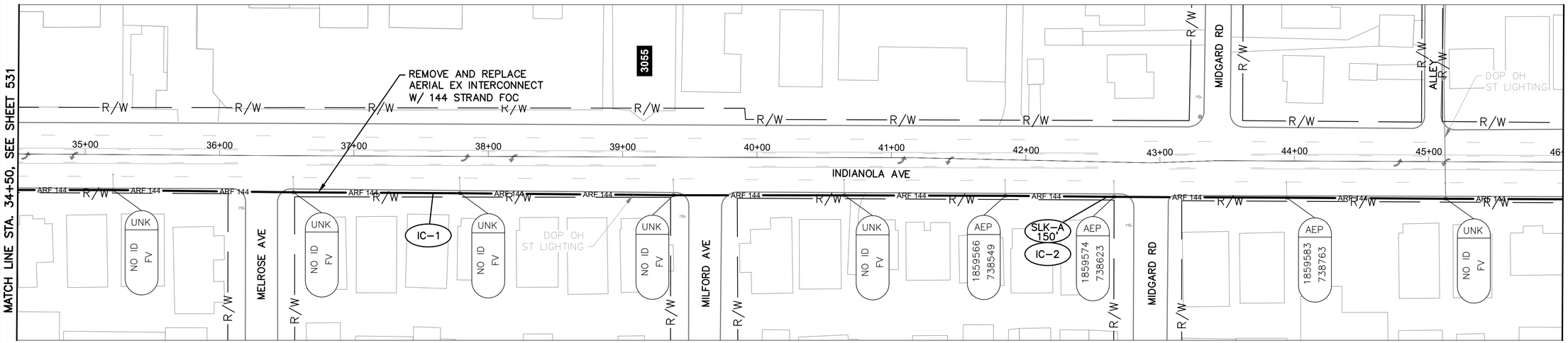
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
STA. 23+00 AND 34+50, INT 3048
INDIANOLA AVE BETWEEN STA. 23+00 AND 34+50

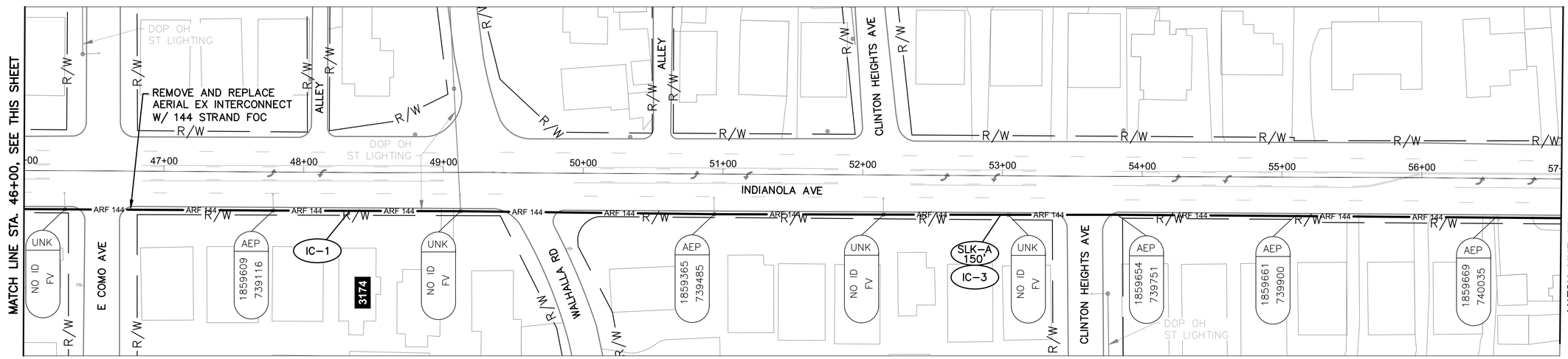
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

531
1000

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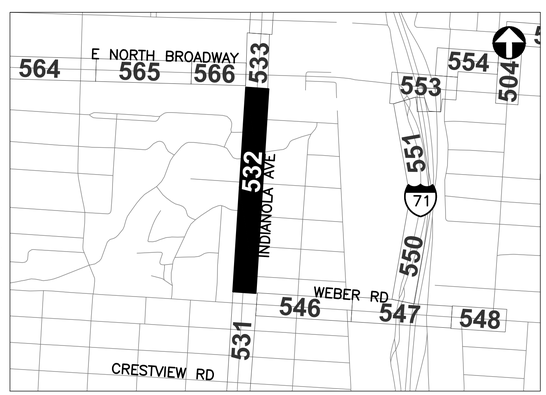
INDIANOLA AVE BETWEEN STATION 34+50 AND 46+00



INDIANOLA AVE BETWEEN STATION 46+00 AND 57+00

NOTES:

1. SEE SHEET 535 FOR QUANTITIES.
2. SEE SHEETS 666 & 669 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

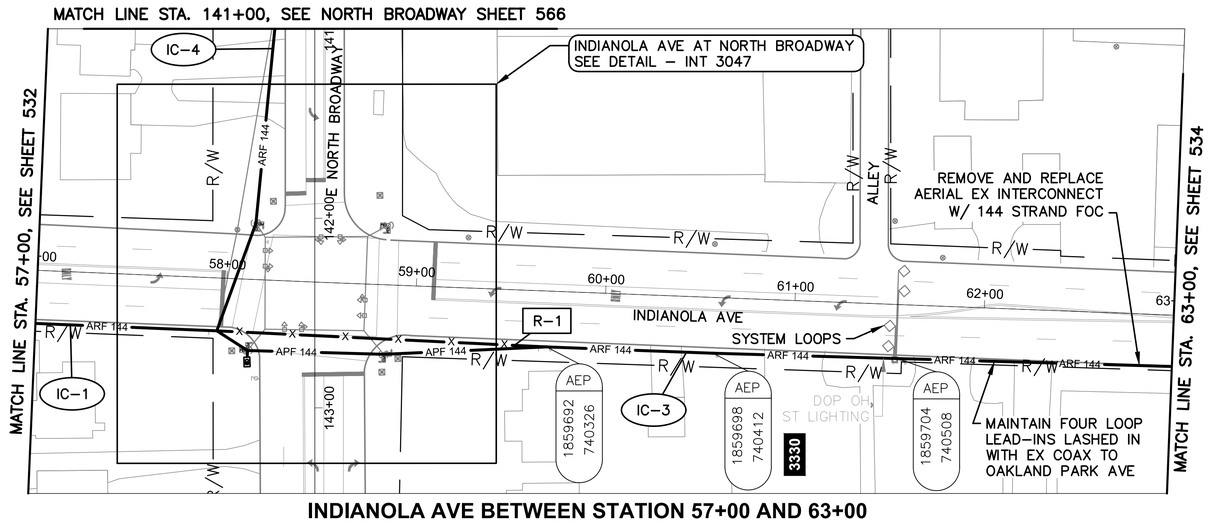
INTERCONNECT PLAN
INDIANOLA AVE BETWEEN STA. 34+50 AND 57+00

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

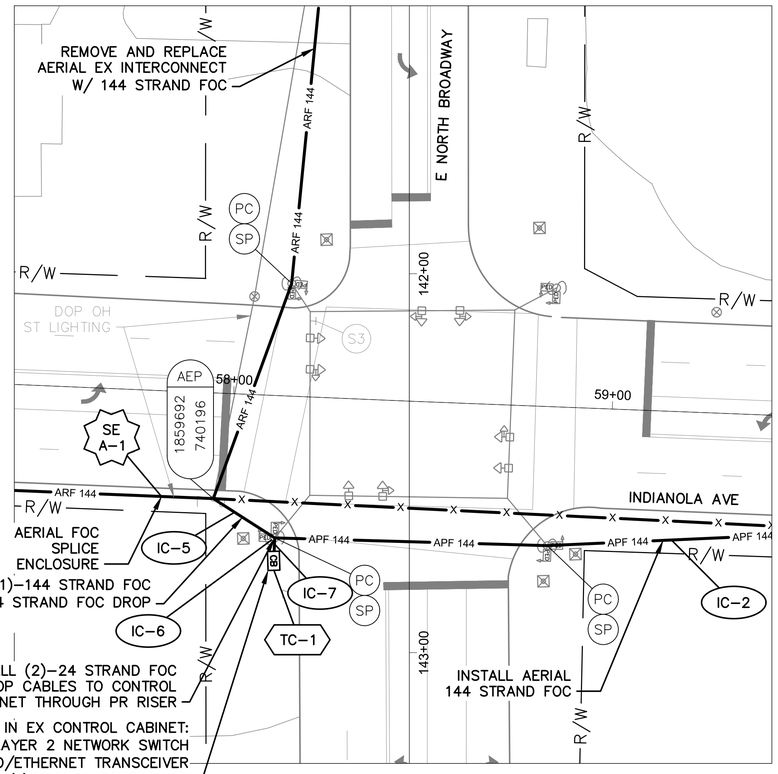
3150-E

532
1000

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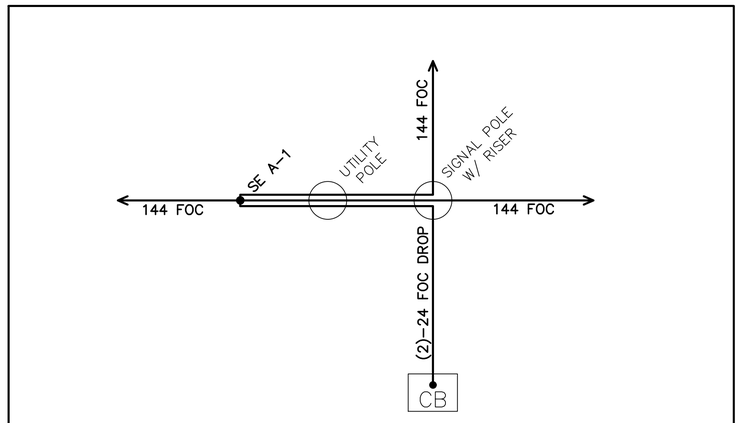
INDIANOLA AVE BETWEEN STATION 57+00 AND 63+00



DETAIL - INT 3047

0 20 40

HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 3047

NOT TO SCALE

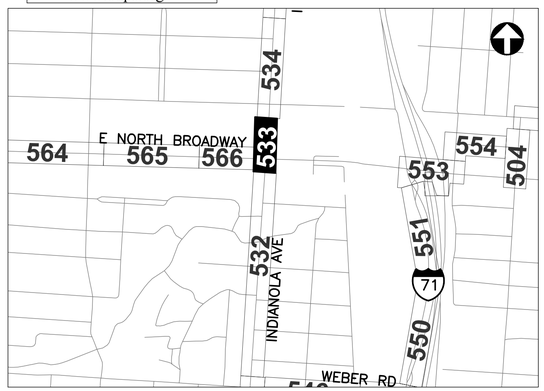
NOTES:

1. SEE SHEET 535 FOR QUANTITIES.
2. SEE SHEETS 666 & 797 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 3047, 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.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

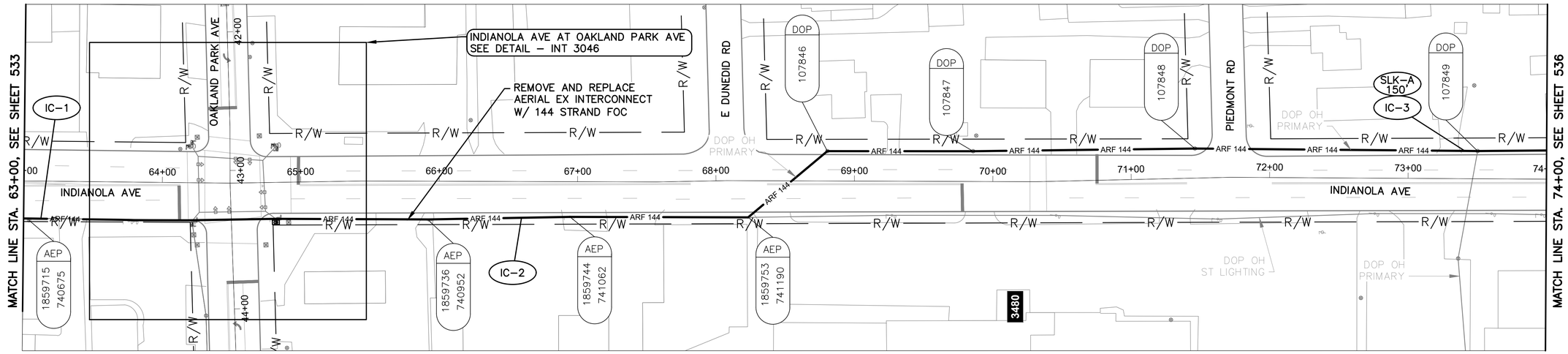
INTERCONNECT PLAN
INDIANOLA AVE BETWEEN STA. 57+00 AND 63+00, INT 3047

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

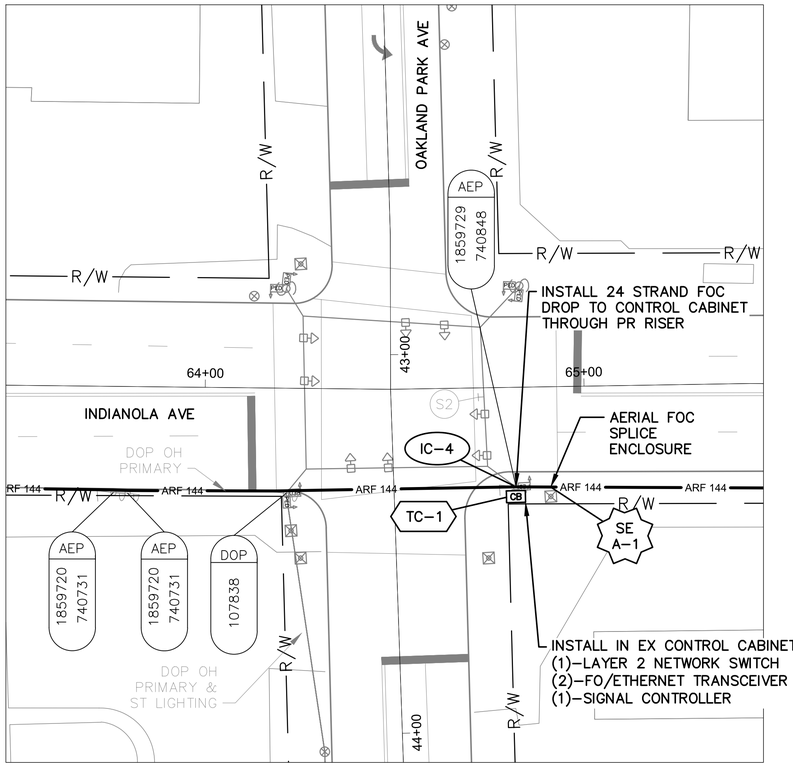
533
1000

3150-E

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INDIANOLA AVE BETWEEN STATION 63+00 AND 74+00



DETAIL - INT 3046

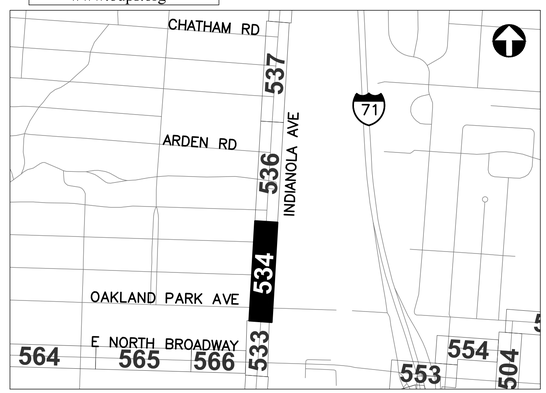
0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 535 FOR QUANTITIES.
2. SEE SHEETS 666 & 798 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 UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
INDIANOLA AVE BETWEEN STA. 63+00 AND 74+00, INT 3046

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

534
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN FT	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH EACH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN EACH
INDIANOLA AVE. BETWEEN STA. 1+00 AND 12+00, INT 3025																
529	IC-1	INDIANOLA AVE	1+00, 22' RT	7+32, 24' RT			642		633				642			
529	TC-1	INDIANOLA AVE	7+31, 38' LT			1								2	1	1
529	IC-4	INDIANOLA AVE	7+31, 38' LT	7+32, 24' RT								2				
529	IC-3	INDIANOLA AVE	7+32, 24' LT	7+39, 129' LT			156		154				156			
529	SE A-1	INDIANOLA AVE	7+32, 24' RT				225	228		1						
529	IC-2	INDIANOLA AVE	7+32, 24' RT	12+00, 24' RT			474		467				474			
INDIANOLA AVE. BETWEEN STA. 12+00 AND 23+00																
530	IC-1	INDIANOLA AVE	12+00, 24' RT	23+00, 29' RT			1,117		1,100				1,117			
530	IC-2	INDIANOLA AVE	12+00, 30' RT				1									
INDIANOLA AVE. BETWEEN STA. 23+00 AND 34+50, INT 3048																
531	IC-1	INDIANOLA AVE	23+00, 29' RT	33+ , RT			1		1				,036			
531	IC-5	INDIANOLA AVE	26+32, 29' RT				150									
531	IC-2	INDIANOLA AVE	32+9 , 27' RT	33+ , 50' RT			26						26			
531	IC-3	INDIANOLA AVE	32+96, 27' RT	34+50, 27' RT			156		154				156			
531	IC-7	INDIANOLA AVE	32+96, 27' RT	32+99, 28' LT					82				83			
531	TC-1	INDIANOLA AVE	32+99, 28' LT			1								2	1	1
531	IC-6	INDIANOLA AVE	3 , 28' LT	3 +07, 50' RT								2				
531	IC-4	INDIANOLA AVE	3 , 50' RT	3 +07, 156' RT			10		106				108			
531	SE A-1	INDIANOLA AVE	3 , 50' RT	3			1	2		1						
INDIANOLA AVE. BETWEEN STA. 34+50 AND 57+00																
532	IC-1	INDIANOLA AVE	3 , 2	4' RT			2,2						2,284			
532	IC-2	INDIANOLA AVE	42+61, 2 RT				1									
532	IC-3	INDIANOLA AVE	52+98, 2 RT				1									
INDIANOLA AVE. BETWEEN STA. 57+00 AND 63+00, INT 3047																
533	IC-1	INDIANOLA AVE	57+00, 31' RT	57+95, 28' RT			97		96				97			
533	SE A-1	INDIANOLA AVE	57+ , 28' RT				6	6								
533	R-1	INDIANOLA AVE	57+ , 28' RT	9+ RT			1		1							
533	IC-4	INDIANOLA AVE	57+ , 28' RT	58+ , 133'			1		1							
533	IC-2	INDIANOLA AVE	57+95, 28' RT	59+69, 29' RT			180						180			
533	IC-5	INDIANOLA AVE	57+95, 28' RT	58+12, 44' RT							2					
533	IC-6	INDIANOLA AVE	58+12, 38' RT			1										
533	IC-7	INDIANOLA AVE	58+12, 38' RT	58+12, 44' RT	11											
533	TC-1	INDIANOLA AVE	58+12, 44' RT											2	1	1
533	IC-3	INDIANOLA AVE	59+69, 29' RT	63+00, 29' RT			335		330				335			
INDIANOLA AVE. BETWEEN STA. 63+00 AND 74+00, INT 3046																
534	IC-1	INDIANOLA AVE	63+00, 29' RT	64+91, 28' RT			195		192				195			
534	IC-2	INDIANOLA AVE	64+91, 28' RT	74+00, 21' LT			940		926				940			
534	SE A-1	INDIANOLA AVE	64+91, 28' RT				150	24		1						
534	IC-4	INDIANOLA AVE	64+81, 28' RT	64+91, 28' RT							1					
534	TC-1	INDIANOLA AVE	64+81, 28' RT			1								2	1	1
534	IC-3	INDIANOLA AVE	73+41, 20' LT				150									
SHEET TOTAL					11	4	9,486	684	7,848	4	3	4	7,994	8	4	4

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

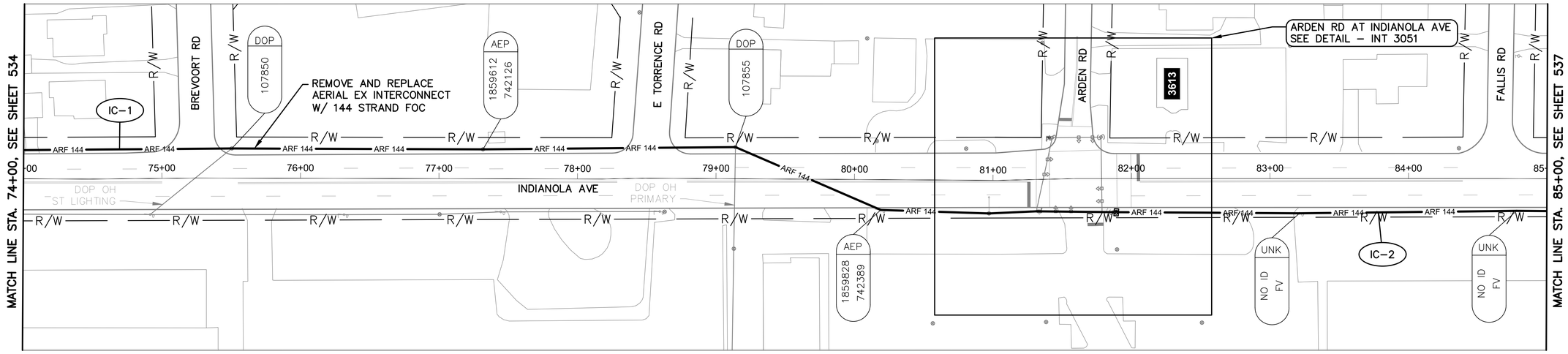
QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.

CIP: 540007–100006
PID NUMBER: 82573

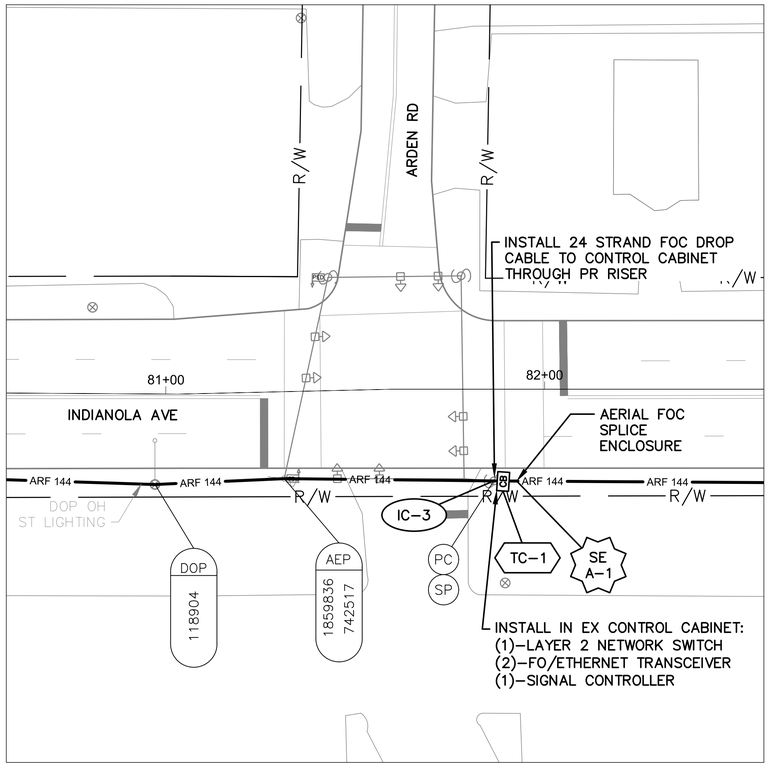
INDIANOLA AVE BETWEEN STA. 1+00 & 74+00
INTS 3025, 3048, 3047, 3046

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

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INDIANOLA AVE BETWEEN STATION 74+00 AND 85+00



DETAIL - INT 3051

0 20 40

HORIZONTAL SCALE IN FEET

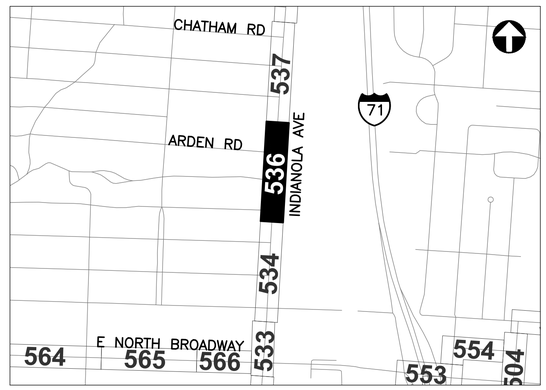
NOTES:

1. SEE SHEET 541 FOR QUANTITIES.
2. SEE SHEETS 666 & 799 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 UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

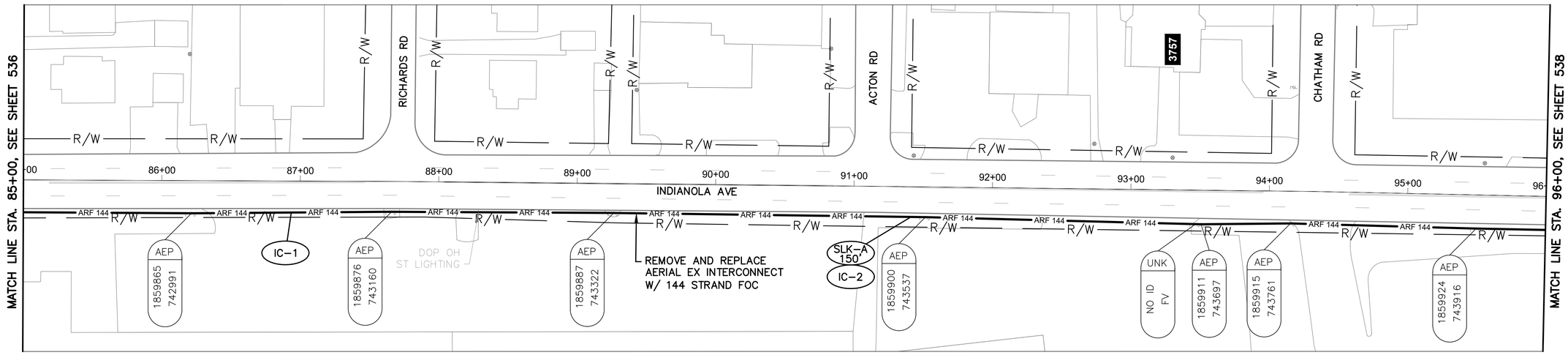
INTERCONNECT PLAN
INDIANOLA AVE BETWEEN STA. 74+00 AND 85+00, INT 3051

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

536
1000

3150-E

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INDIANOLA AVE BETWEEN STATION 85+00 AND 96+00

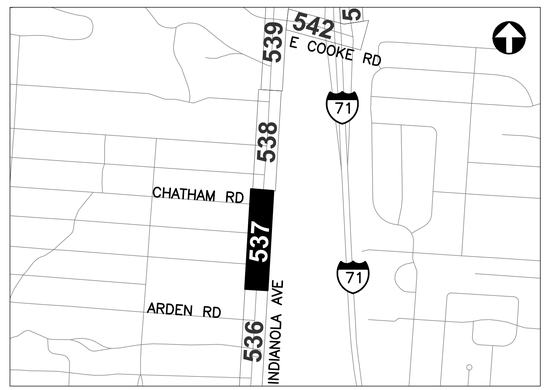
NOTES:

1. SEE SHEET 541 FOR QUANTITIES.
2. SEE SHEET 666 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

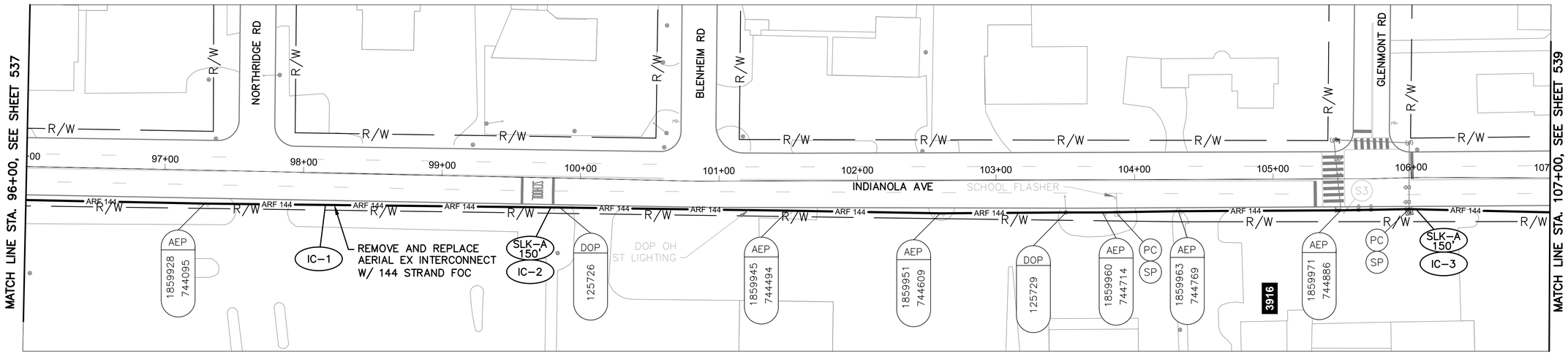
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PID NUMBER: 82573

INTERCONNECT PLAN
INDIANOLA AVE BETWEEN STA. 85+00 AND 96+00

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

537
1000

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INDIANOLA AVE BETWEEN STATION 96+00 AND 107+00

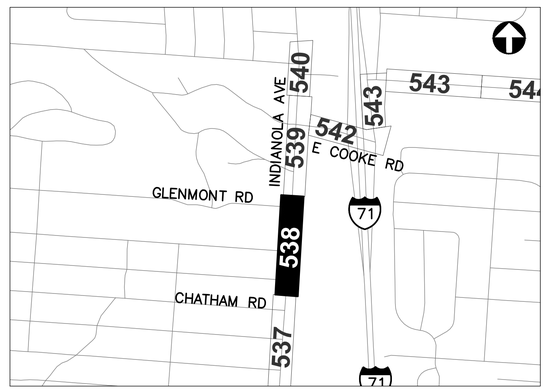
NOTES:

1. SEE SHEET 541 FOR QUANTITIES.
2. SEE SHEET 666 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

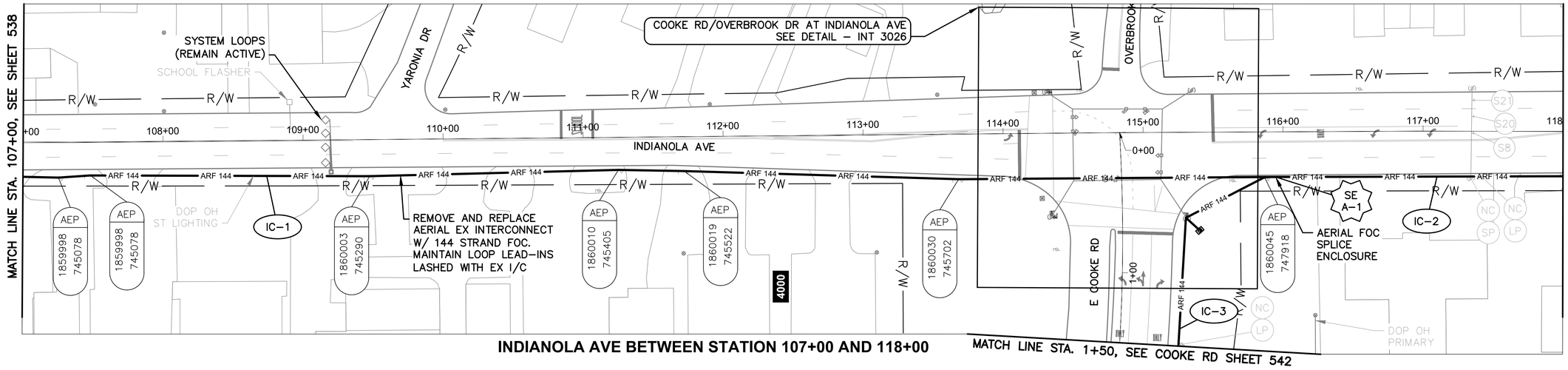
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
INDIANOLA AVE BETWEEN STA. 96+00 AND 107+00

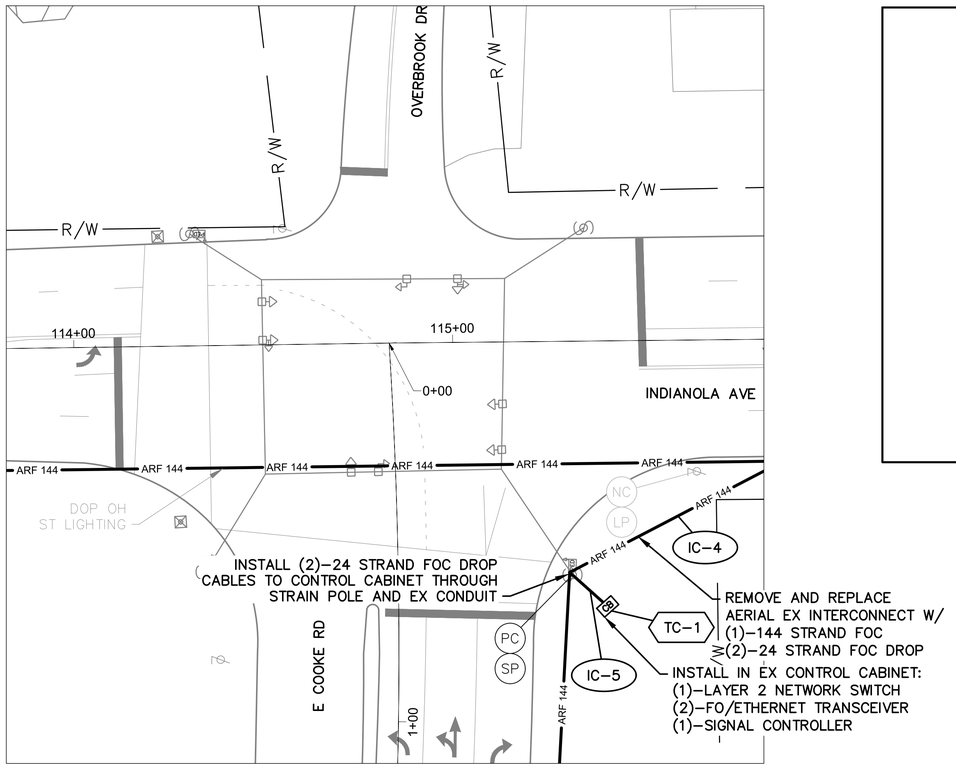
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

538
1000

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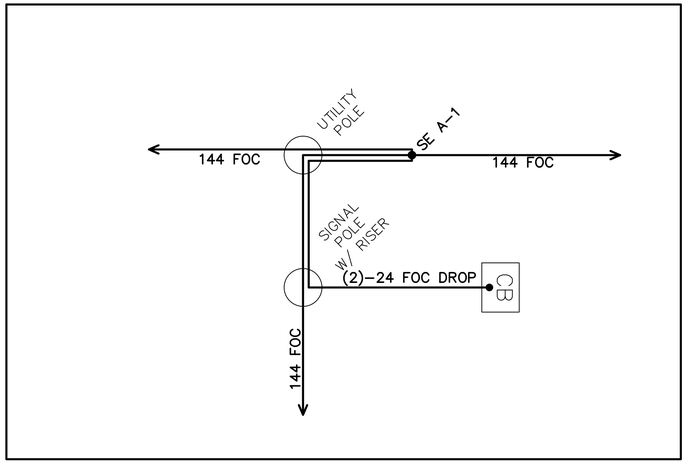


INDIANOLA AVE BETWEEN STATION 107+00 AND 118+00



DETAIL - INT 3026

0 20 40
HORIZONTAL SCALE IN FEET



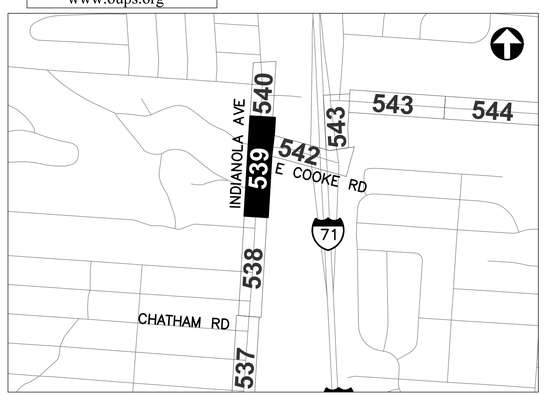
CABLE SCHEMATIC - INT 3026
NOT TO SCALE

NOTES:

1. SEE SHEET 541 FOR QUANTITIES.
2. SEE SHEETS 666 & 800 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 3026, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

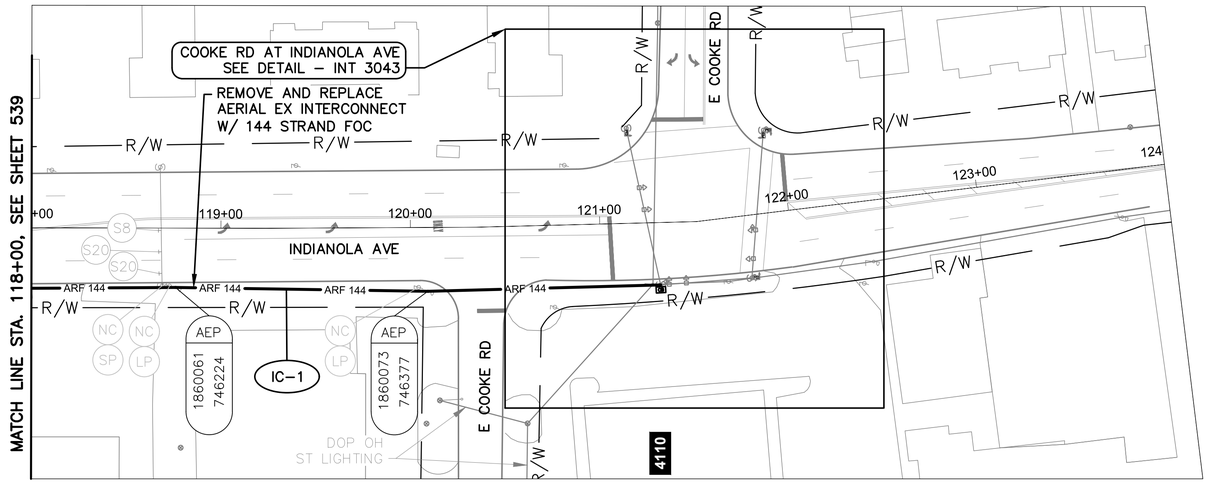
INTERCONNECT PLAN
INDIANOLA AVE BETWEEN STA. 107+00 AND 118+00, INT 3026

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

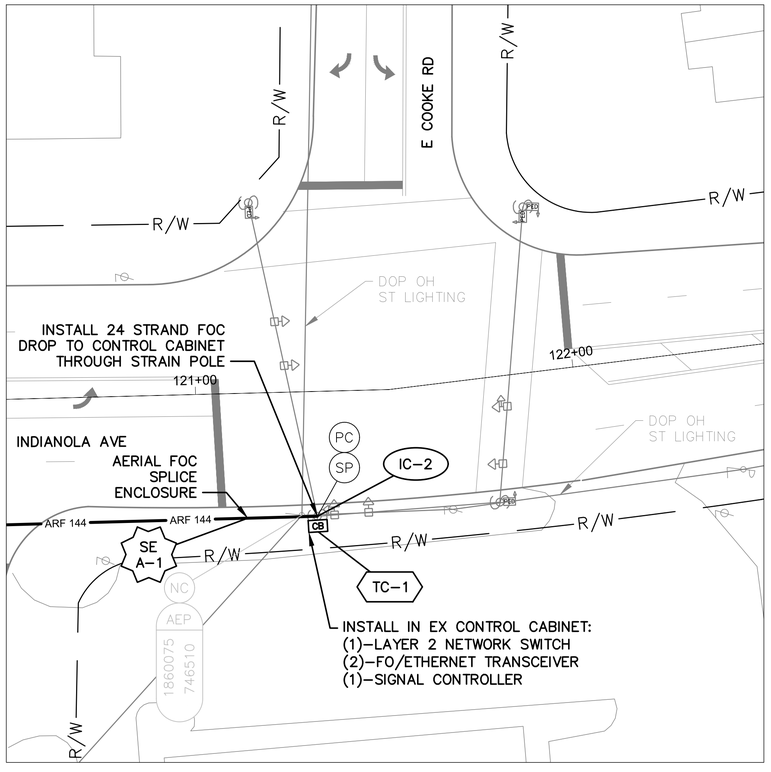
539
1000

3150-E

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INDIANOLA AVE BETWEEN STATION 118+00 AND 124+00



DETAIL - INT 3043

HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 541 FOR QUANTITIES.
2. SEE SHEETS 666 & 801 FOR COMMUNICATION DETAILS.

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- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 348 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
INDIANOLA AVE BETWEEN STA. 118+00 AND 124+00, INT 3043

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

540
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN (FT)	632 CONDUIT RISER, 2", 725.04, AS PER PLAN (EACH)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND (FT)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE (EACH)	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT (FT)	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE (EACH)	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE (EACH)	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN (FT)	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE (EACH)	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH (EACH)	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN (EACH)
INDIANOLA AVE. BETWEEN STA. 74+00 AND 85+00, INT 3051															
536	IC-1	INDIANOLA AVE	74+00, 21' LT	81+96, 26' RT			818		806			818			
536	SE A-1	INDIANOLA AVE	81+96, 26' RT				150	24		1					
536	IC-3	INDIANOLA AVE	81+96, 26' RT	81+86, 26' RT							1				
536	TC-1	INDIANOLA AVE	81+86, 26' RT			1							2	1	1
536	IC-2	INDIANOLA AVE	81+96, 26' RT	85+00, 23' RT			308		303			308			
INDIANOLA AVE. BETWEEN STA. 85+00 AND 96+00															
537	IC-1	INDIANOLA AVE	85+00, 23' RT	96+00, 24' RT			1,117		1,100			1,117			
537	IC-2	INDIANOLA AVE	91+41, 22' RT				150								
INDIANOLA AVE. BETWEEN STA. 96+00 AND 107+00															
538	IC-1	INDIANOLA AVE	96+00, 24' RT	107+00, 25' RT			1,[illegible]		1,101			1118			
538	IC-2	INDIANOLA AVE	99+79, 23' RT				150								
538	IC-3	INDIANOLA AVE	106+02, 23' RT				150								
INDIANOLA AVE. BETWEEN STA. 107+00 AND 118+00, INT 3026															
539	IC-1	INDIANOLA AVE	107+00, 25' RT	115+86, 33' RT			900		887			900			
539	IC-3	INDIANOLA AVE	112+24, 153' RT	115+86, 33' RT			156		4			156			
539	IC-5	INDIANOLA AVE	115+04, 32' RT	115+40, 70' RT	17										
539	IC-4	INDIANOLA AVE	115+40, 70' RT	115+86, 33' RT							2				
539	TC-1	INDIANOLA AVE	115+40, 70' RT										2	1	1
539	SE A-1	INDIANOLA AVE	115+86, 33' RT				222	22		1					
539	IC-2	INDIANOLA AVE	117+[illegible], 32' RT	118+02, 32' RT			21[illegible]		213			216			
INDIANOLA AVE. BETWEEN STA. 118+00 AND 124+00, INT 3043															
540	IC-1	INDIANOLA AVE	118+00, 32' RT	121+21, 33' RT			327		322			327			
540	SE A-1	INDIANOLA AVE	121+[illegible], 33' RT				[illegible]	12		1					
540	IC-2	INDIANOLA AVE	121+[illegible], 33' RT	121+31, 33' RT							1				
540	TC-1	INDIANOLA AVE	121+[illegible], 33' RT												
SHEET TOTAL					17	1	5,860	264	4,886	3	4	4,960	6	3	3

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

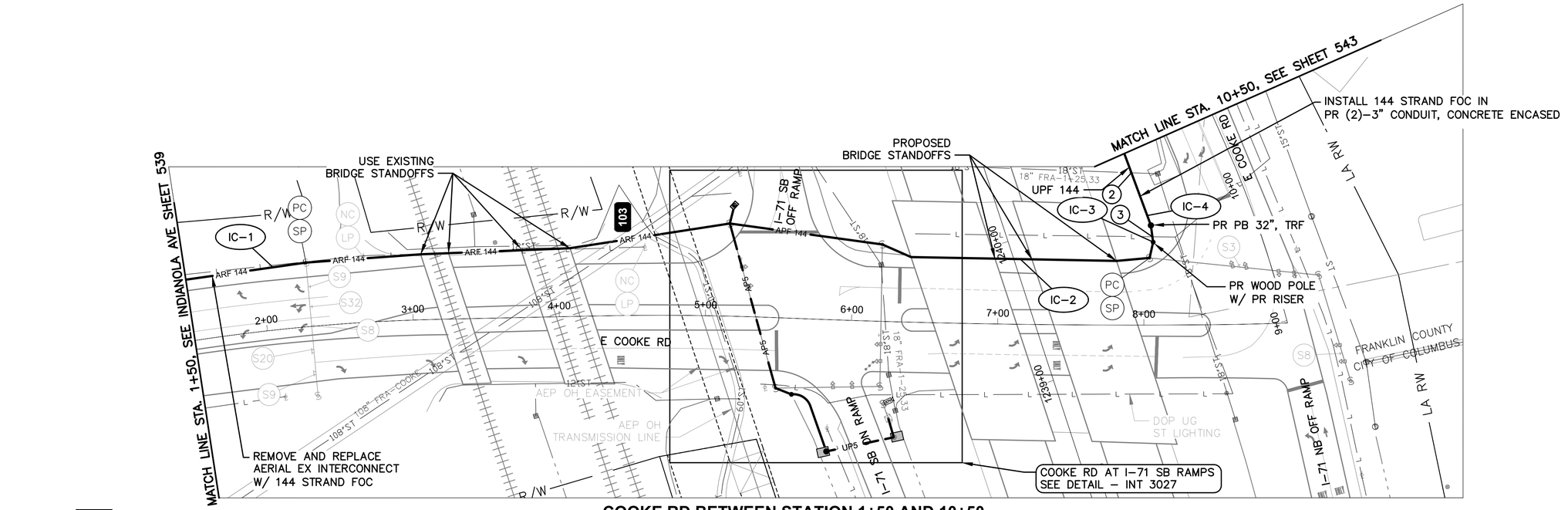
QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.

CIP: 540007-100006
PID NUMBER: 82573

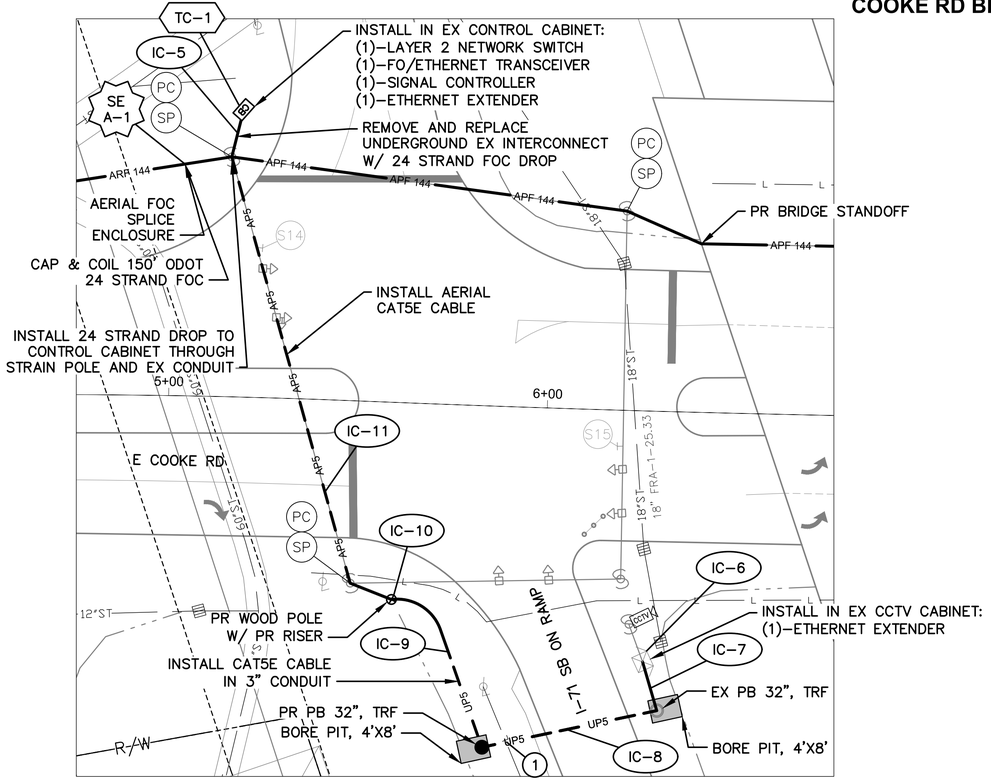
INDIANOLA AVE BETWEEN STA. 74+00 & 124+00
INTS 3051, 3026, 3043

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

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COOKE RD BETWEEN STATION 1+50 AND 10+50



DETAIL - INT 3027

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

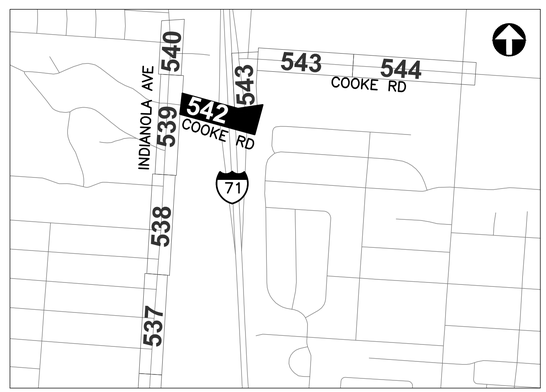
1. SEE SHEET 545 FOR QUANTITIES.
2. SEE SHEETS 666 & 802 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 3+52, 58' LT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.
4. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 355.

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CITY OF COLUMBUS UTILITY LEGEND

- [X] SEWER
- [ ] WATER
- [ ] POWER
- [X] LIGHTING



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

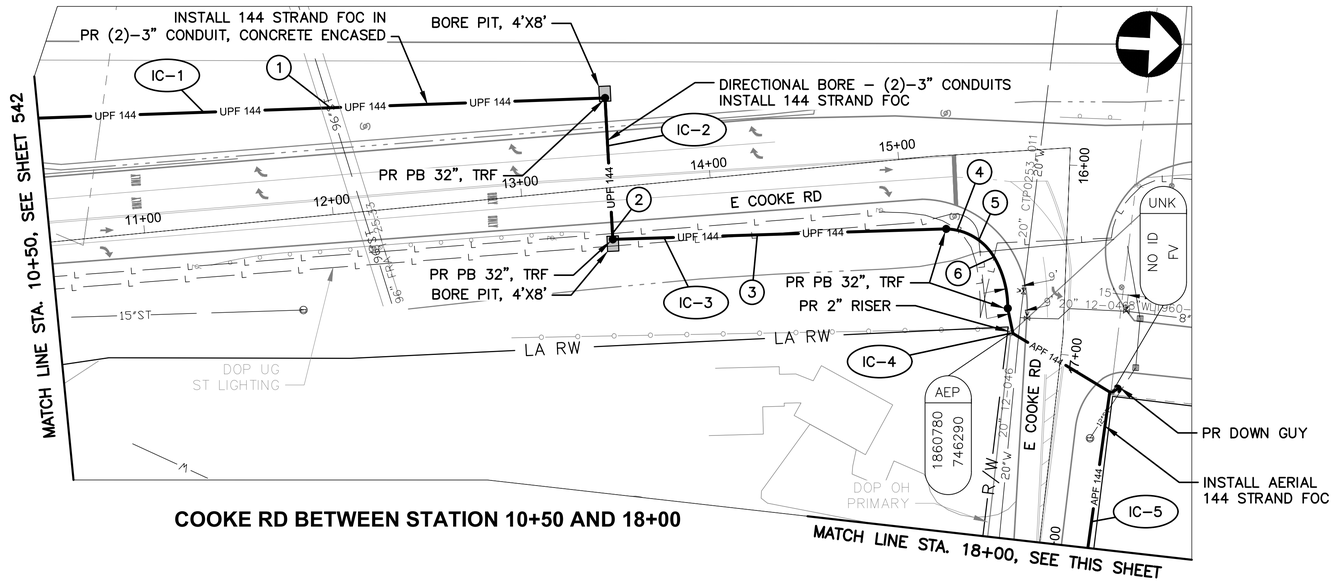
INTERCONNECT PLAN
COOKE RD BETWEEN STA. 1+50 AND 10+50, INT 3027

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

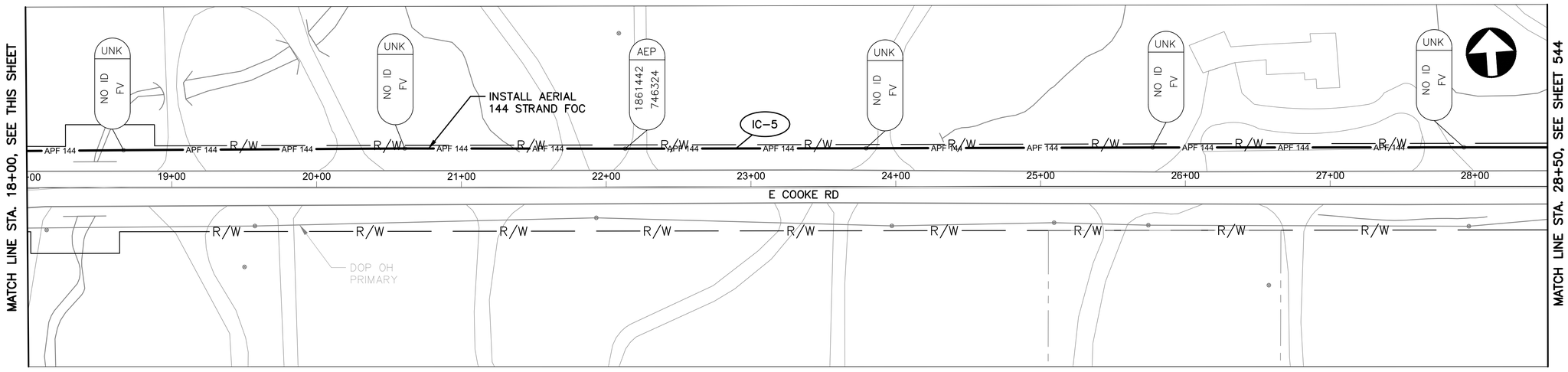
3150-E

542
1000

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COOKE RD BETWEEN STATION 10+50 AND 18+00



COOKE RD BETWEEN STATION 18+00 AND 28+50

NOTES:

1. SEE SHEET 545 FOR QUANTITIES.
2. SEE SHEET 666 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 355.

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CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

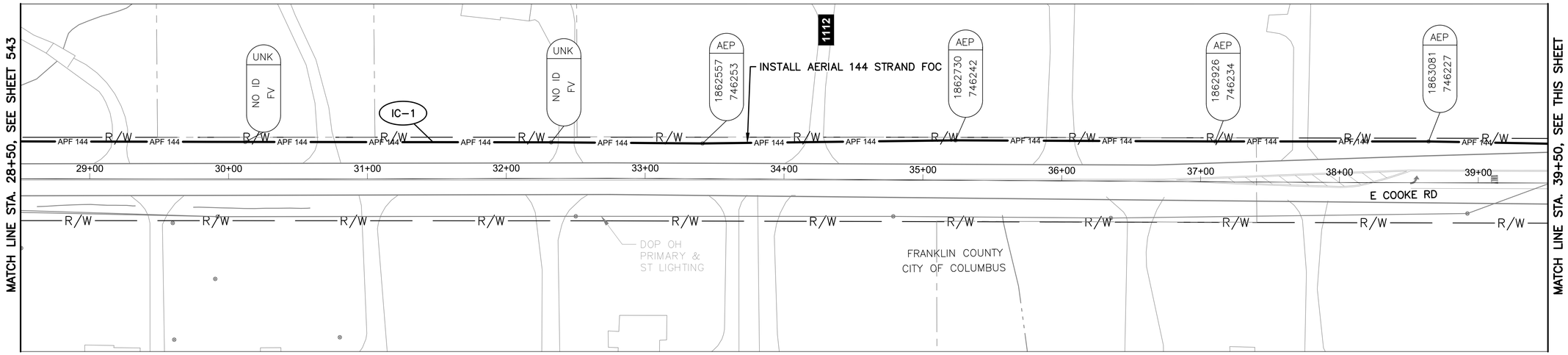
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
COOKE RD BETWEEN STA. 10+50 AND 28+50

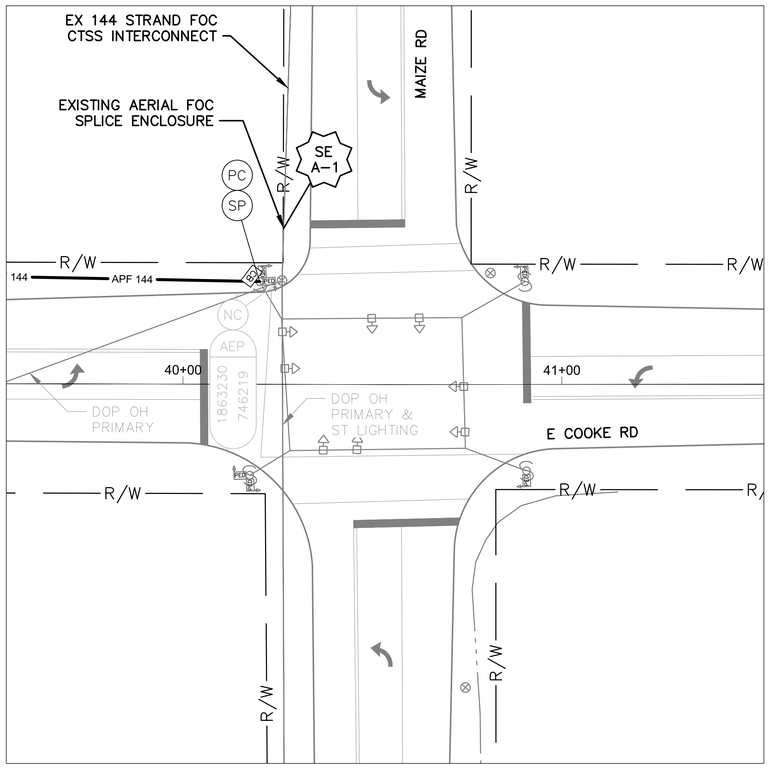
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

543
1000

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COOKE RD BETWEEN STATION 28+50 AND 39+50

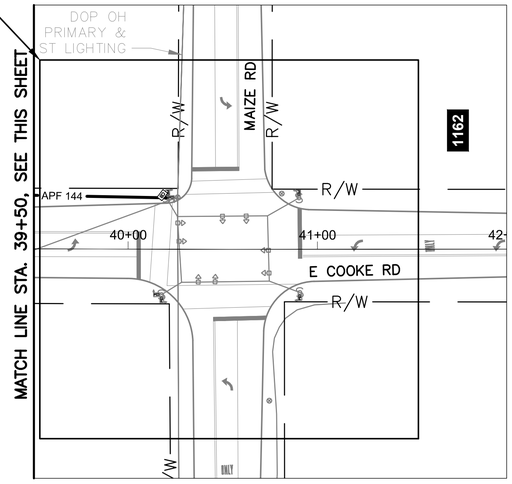


DETAIL - INT 3029

0 20 40

HORIZONTAL
SCALE IN FEET

COOKE RD AT MAIZE RD
SEE DETAIL – INT 3029



COOKE RD BETWEEN STATION 39+50 AND 42+00

NOTES:

1. SEE SHEET 545 FOR QUANTITIES.
2. SEE SHEETS 666 & 803 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 348 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
COOKE RD BETWEEN STA. 28+50 AND 42+00, INT 3029

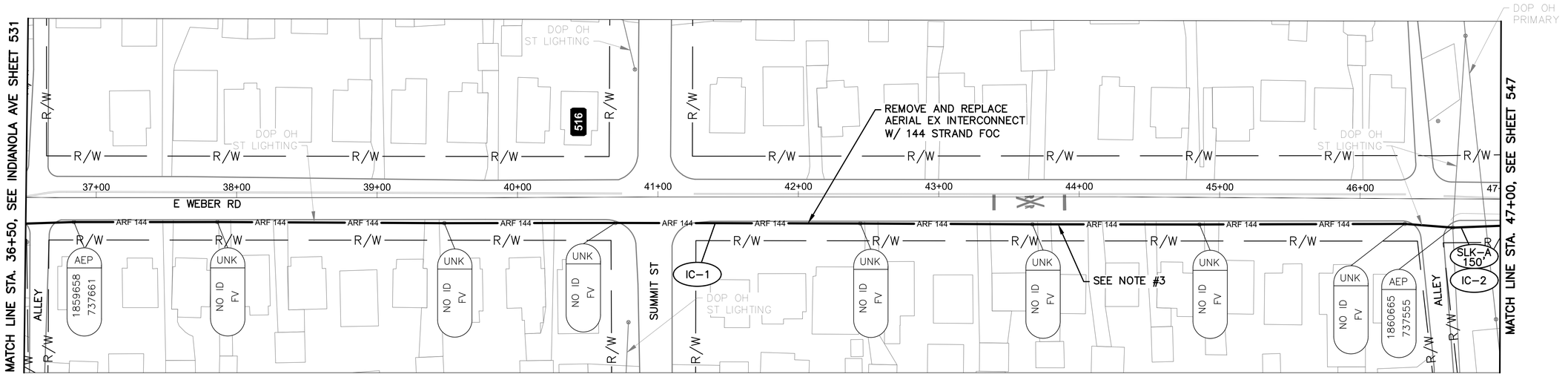
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

544
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	632	632	632	632	632	632	632	632	632	632	633	633	633	633
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.05, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, 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 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	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: AERIAL STANDOFF, ATTACHED TO BRIDGE	SIGNALIZATION, MISC.: CAT 5E CABLE, OUTDOOR RATED	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: ETHERNET EXTENDER	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
			FROM	TO	FT	FT	FT	EACH	FT	EACH	EACH	FT	FT	EACH	FT	EACH	EACH	FT	EACH	FT	EACH	EACH	EACH	EACH	EACH
COOKE RD. BETWEEN STA. 1+50 AND 10+50, INT 3027																									
542	IC-1	COOKE RD	1+50, 42' LT	5+15, 63' LT								381			375			381							
542	SE A-1	COOKE RD	5+15, 63' LT									150	150	42		1				35					
542	IC-5	COOKE RD	5+15, 63' LT	5+17, 76' LT	18												1			18					
542	IC-2	COOKE RD	5+15, 63' LT	8+06, 57' LT								303						303	4						
542	IC-11	COOKE RD	5+15, 63' LT	5+54, 51' RT														123		123					
542	TC-1	COOKE RD	5+17, 76' LT																			1	2	1	1
542	IC-10	COOKE RD	5+54, 51' RT							1										35	1				
542	IC-9	COOKE RD	5+54, 51' RT	5+85, 90' RT		55			55											55					
542	IC-8	COOKE RD	5+85, 9[illegible] RT	8+31, 7[illegible] RT																					
542	IC-6	COOKE RD	6+[illegible] RT	[illegible]																		1			
542	IC-7	COOKE RD	6+[illegible] RT	[illegible], 7[illegible] RT	13															13					
542	IC-4	COOKE RD	[illegible]06, 117' LT	8+06, 57' LT		64			64			64													
542	IC-3	COOKE RD	8+06, 57' LT							1		35									1				
COOKE RD. BETWEEN STA. 10+50 [illegible] 28+50																									
543	IC-1	COOKE [illegible]	10[illegible] LT	13+48, 4[illegible] LT		29[illegible]			299			99													
543	IC-2	COOKE [illegible]	13[illegible] RT	16+48, [illegible] LT			50	[illegible]				75													
543	IC-3	COOKE RD	13+45, 27' RT	16+92, 29' RT		250		2	250			250													
543	IC-5	COOKE RD	16+92, 29' RT	28+50, 27' LT							1	1,216						1,216							
543	IC-4	COO[illegible]	[illegible]9' RT									35													
COOKE RD. BETWEEN STA. 28+50 AND 42+[illegible] INT 3029																									
544	IC-1	COOKE RD	28+50, 27' LT	40+24, 31' LT								1,193						1,193							
544	SE A-1	COOKE RD	40+24, 31' LT									75		144											



WEBER RD BETWEEN STATION 36+50 AND 47+00

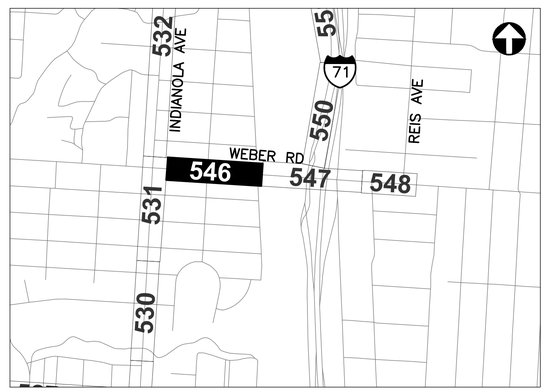
NOTES:

1. SEE SHEET 549 FOR QUANTITIES.
2. SEE SHEET 669 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

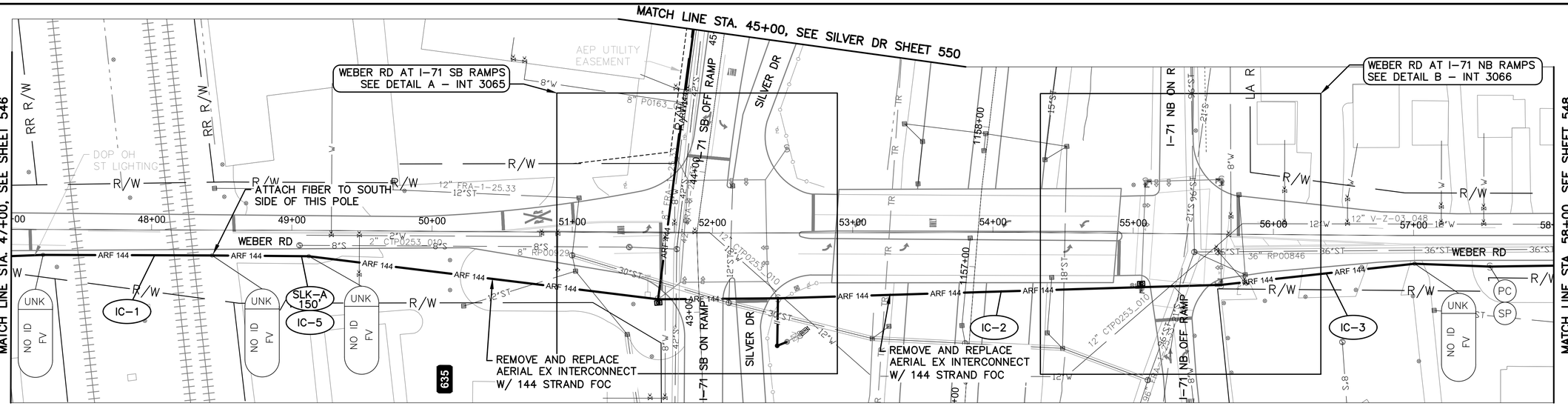
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
WEBER RD BETWEEN STA. 36+50 AND 47+00

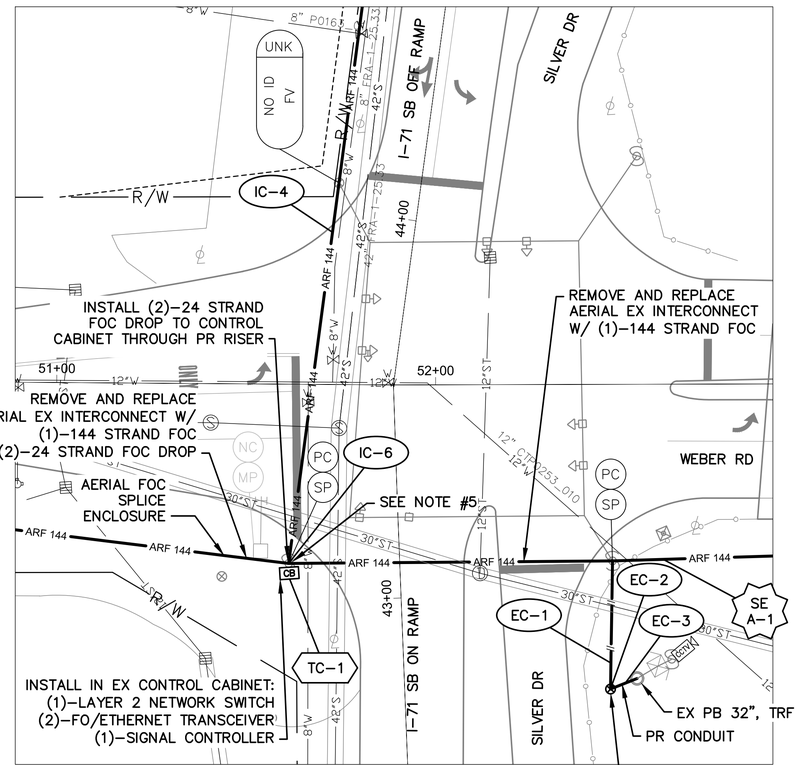
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

546
1000

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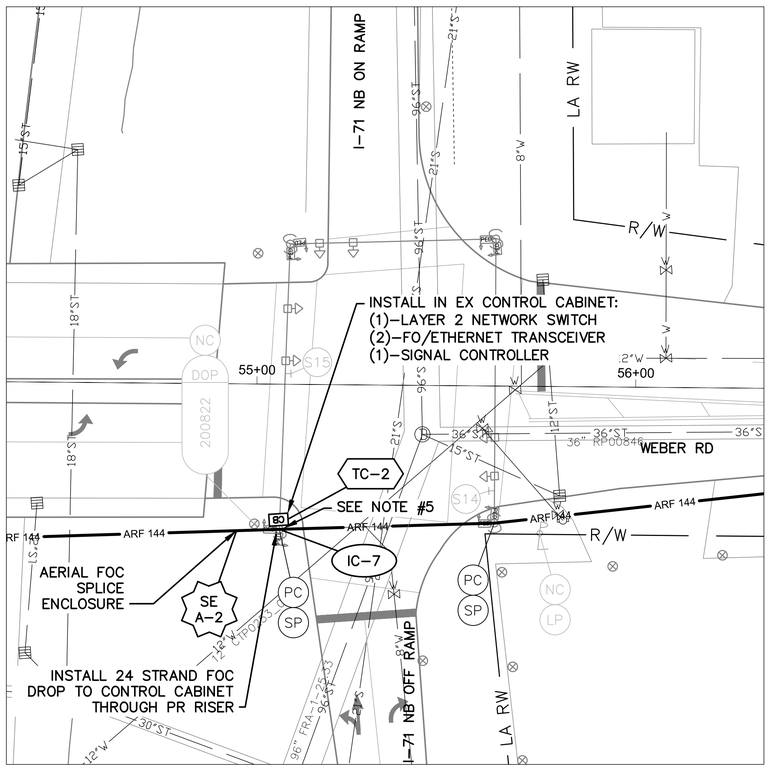


WEBER RD BETWEEN STATION 47+00 AND 58+00



DETAIL A - INT 3065

0 20 40
HORIZONTAL SCALE IN FEET



DETAIL B - INT 3066

0 20 40
HORIZONTAL SCALE IN FEET

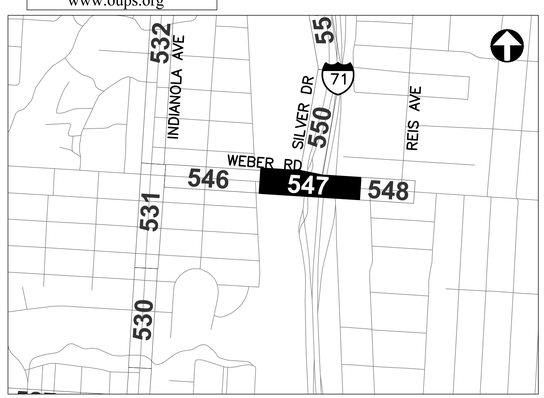
NOTES:

1. SEE SHEET 549 FOR QUANTITIES.
2. SEE SHEETS 669, 792 & 793 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 47+40, 25' RT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.
4. FOR THE SPLICE ENCLOSURE AT INT 3065, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.
5. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

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☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

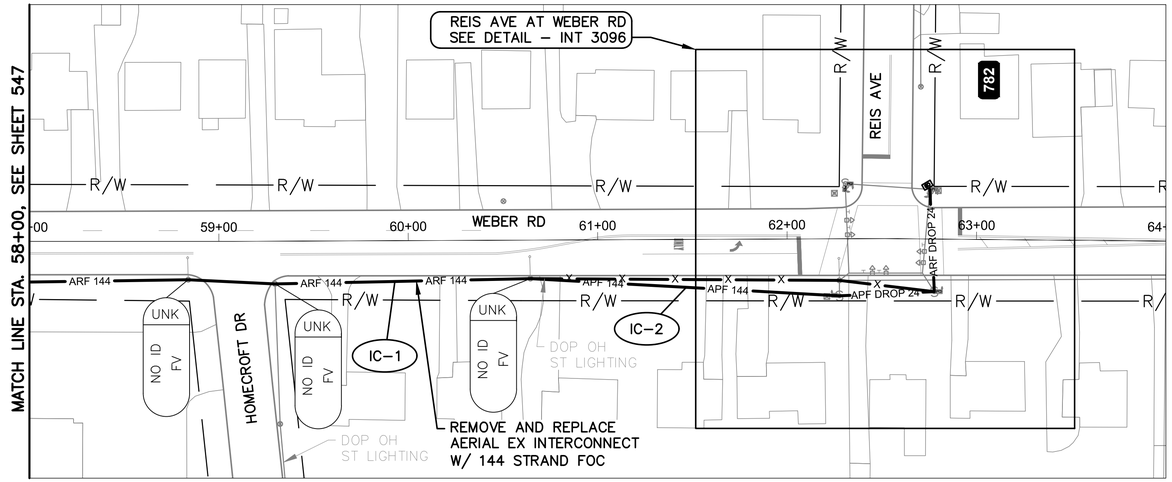
INTERCONNECT PLAN
WEBER RD BETWEEN STA. 47+00 AND 58+00, INTS 3065 & 3066

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

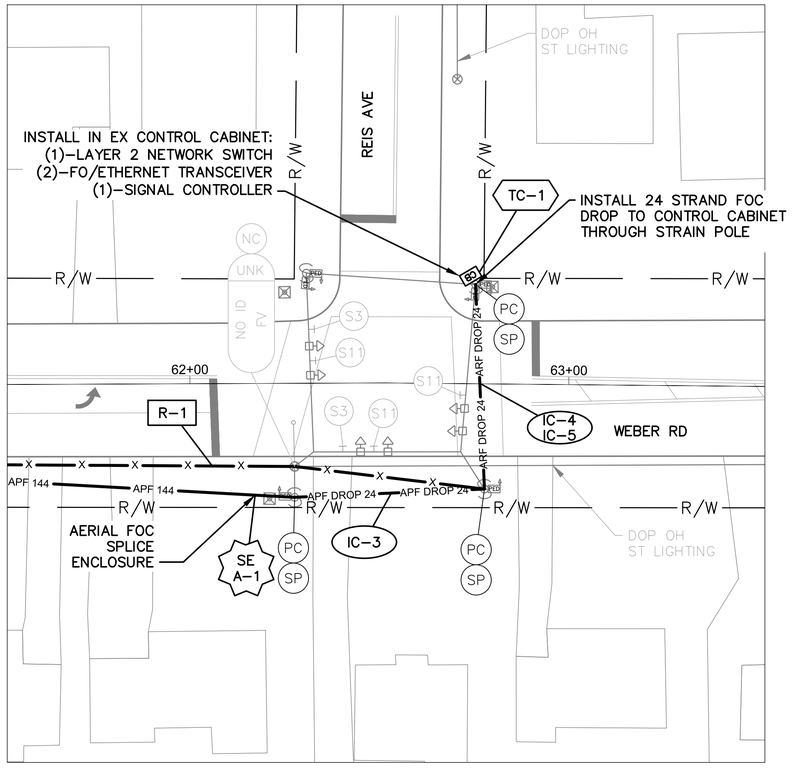
547
1000

3150-E

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WEBER RD BETWEEN STATION 58+00 AND 64+00



DETAIL - INT 3096

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 549 FOR QUANTITIES.
2. SEE SHEETS 669 & 794 FOR COMMUNICATION DETAILS.

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- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 347 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
WEBER RD BETWEEN STA. 58+00 AND 64+00, INT 3096

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

548
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	625 CONDUIT, CONCRETE ENCASED, 2-3", 725.05, AS PER PLAN (FT)	625 TRENCH, 36" DEEP, AS PER PLAN (FT)	632 CONDUIT RISER, 2", 725.04, AS PER PLAN (EACH)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND (FT)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE (EACH)	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT (FT)	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE (EACH)	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE (EACH)	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE (EACH)	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN (FT)	632 WOOD POLE, CLASS 5, 35 FT (EACH)	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE (EACH)	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH (EACH)	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN (EACH)
WEBER RD. BETWEEN STA. 36+50 AND 47+00																		
546	IC-1	WEBER RD	36+50, 19' RT	47+00, 19' RT				1,066		1,050				1,066				
546	IC-2	WEBER RD	46+72, 20' RT					150										
WEBER RD. BETWEEN STA. 47+00 AND 58+00, INTS 3065 & 3066																		
547	IC-1	WEBER RD	47+00, 19' RT	51+51, 47' RT				460		453				460				
547	IC-5	WEBER RD	49+06, 18' RT					150										
547	IC-4	WEBER RD	51+51, 47' RT	51+86, 145' LT				207		204				207				
547	SE A-1	WEBER RD	51+51, 47' RT					225	228		1							
547	IC-6	WEBER RD	51+51, 47' RT	51+[illegible]								2						
547	TC-1	WEBER RD	51+51, 47' RT				1										1	1
547	IC-2	WEBER RD	51+51, 47' RT	[illegible]6, 38' RT				36[illegible]		355				360				
547	EC-1	WEBER RD	52+41, 74' RT	52+46, 45' RT										34				
547	EC-2	WEBER RD	52+41, 74' RT				1								1			
547	EC-3	WEBER RD	52+41, 74' RT	52+50, 73' RT	9	9												
547	SE A-2	WEBER RD	5[illegible]+96, 38' RT					150	24		1							
547	IC-7	WEBER RD	5[illegible]+96, 38' RT	[illegible]8' RT								1						
547	TC-2	WEBER RD	5[illegible] RT														1	1
547	IC-3	WEBER RD	54+96, 38' RT	58+00, 21' RT				310		306				310				
WEBER RD. BETWEEN STA. 58+00 AND 64+[illegible]3096																		
548	IC-1	WEBER RD	5[illegible]	60+64, 20' RT				69		265				26[illegible]				
548	R-1	WEBER RD	60+64, [illegible]	62+78, 3' RT						214								
548	IC-2	WEBER RD	60+64, 20' RT	62+27, 30' RT				165						165				
548	IC-3	WEBER RD	62+27, 30' RT	62+78, 28' RT										51				
548	SE A-1	WEBER RD	62+27, 30' RT					75	12		1							
548	IC-4	WEBER RD	62+2[illegible] 30' RT	62+75, [illegible] LT									1					
548	TC-1	WEBER RD	62+7[illegible] 30' LT														1	
548	IC-5	WEBER RD	62+7[illegible] 28' RT	62+75, 3[illegible] LT						[illegible]8				59				
SHEET TOTAL					9	9	3	3,587	264	2,905	3	3	1	2,981	1	6	3	3

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.

CIP: 540007–100006
PID NUMBER: 82573

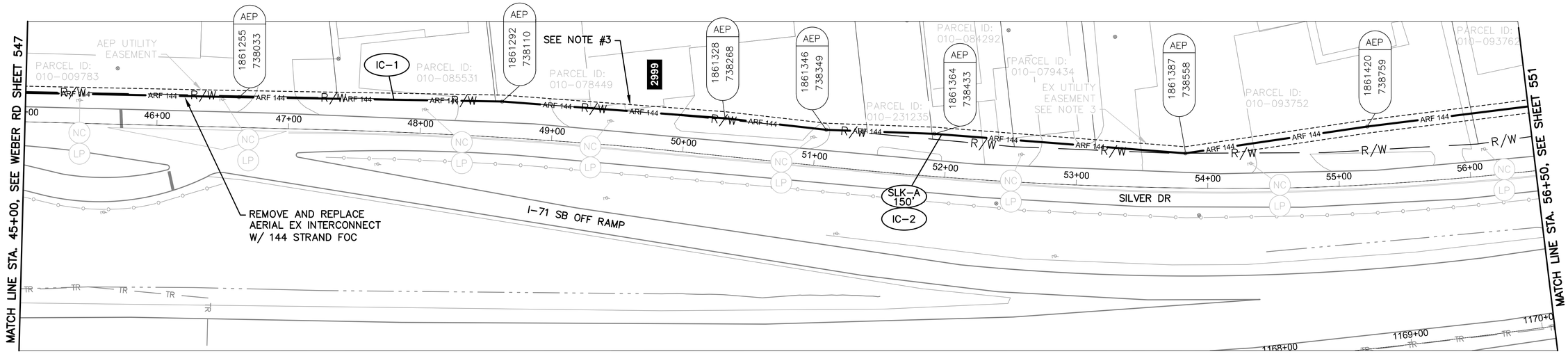
WEBER RD BETWEEN STA. 36+50 & 64+00
INTS 3065, 3066, 3096

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

549
1000

3150-E

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SILVER DR BETWEEN STATION 45+00 AND 56+50

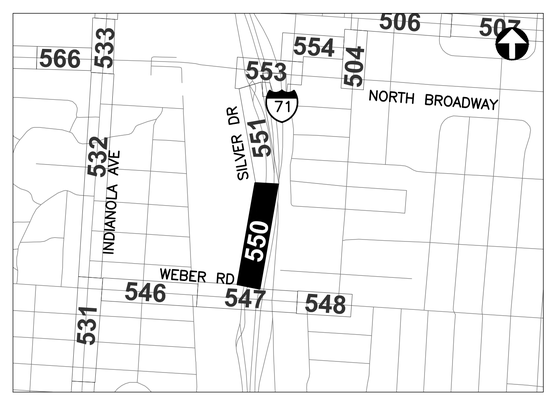
NOTES:

1. SEE SHEET 552 FOR QUANTITIES.
2. SEE SHEET 669 FOR COMMUNICATION DETAILS.
3. EXISTING AEP POLE LINE BETWEEN WEBER RD AND NORTH BROADWAY IS DESCRIBED UNDER EASEMENT – VOL 2189, PAGES 690 & 692, AND VOL 2190, PAGES 3, 4, & 12.

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- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

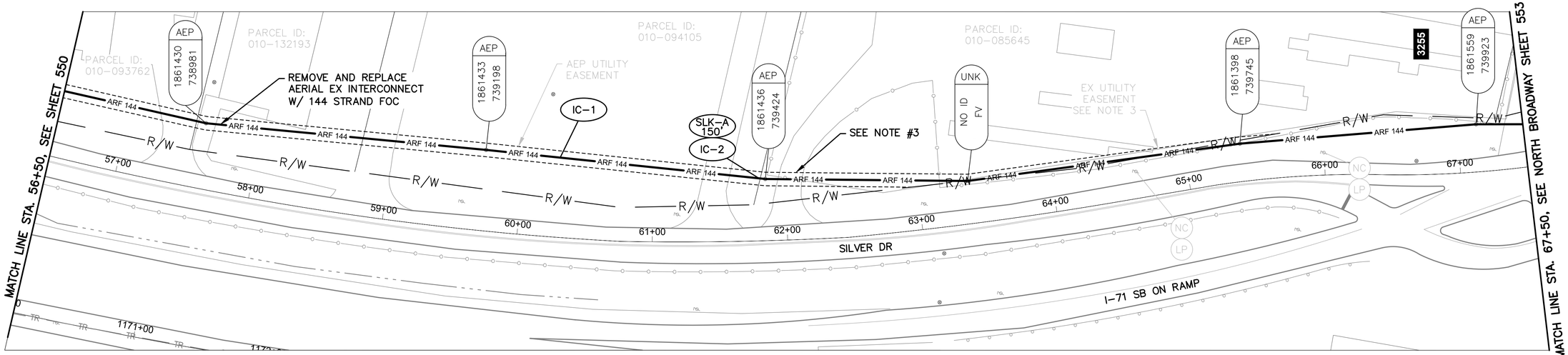
INTERCONNECT PLAN
SILVER DR BETWEEN STA. 45+00 AND 56+50

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

3150-E

550
1000

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SILVER DR BETWEEN STATION 56+50 AND 67+50

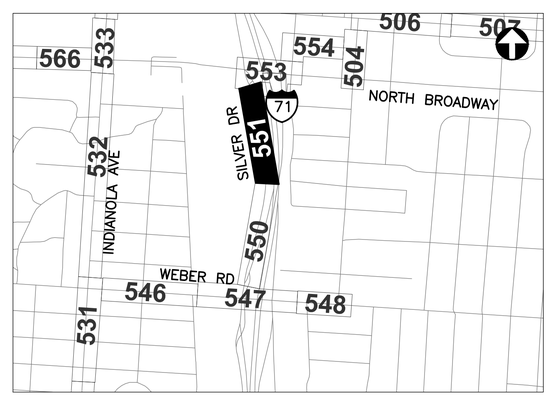
NOTES:

1. SEE SHEET 552 FOR QUANTITIES.
2. SEE SHEET 669 FOR COMMUNICATION DETAILS.
3. EXISTING AEP POLE LINE BETWEEN WEBER RD AND NORTH BROADWAY IS DESCRIBED UNDER EASEMENT – VOL 2189, PAGES 690 & 692, AND VOL 2190, PAGES 3, 4, & 12.

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- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
SILVER DR BETWEEN STA. 56+50 AND 67+50

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

551
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT FT	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT
SILVER DR. BETWEEN STA. 45+00 AND 56+50							
550	IC-1	SILVER DR	45+00, 21' LT	56+50, 50' LT	1,162	1,145	1,162
550	IC-2	SILVER DR	51+96, 29' LT		150		
SILVER DR. BETWEEN STA. 56+50 AND 67+50							
551	IC-1	SILVER DR	56+50, 50' LT	67+50, 33' LT	1,099	1,083	1,099
551	IC-2	SILVER DR	61+80, 46' LT		150		
SHEET TOTAL					2,561	2,228	2,261

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

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

3150-E

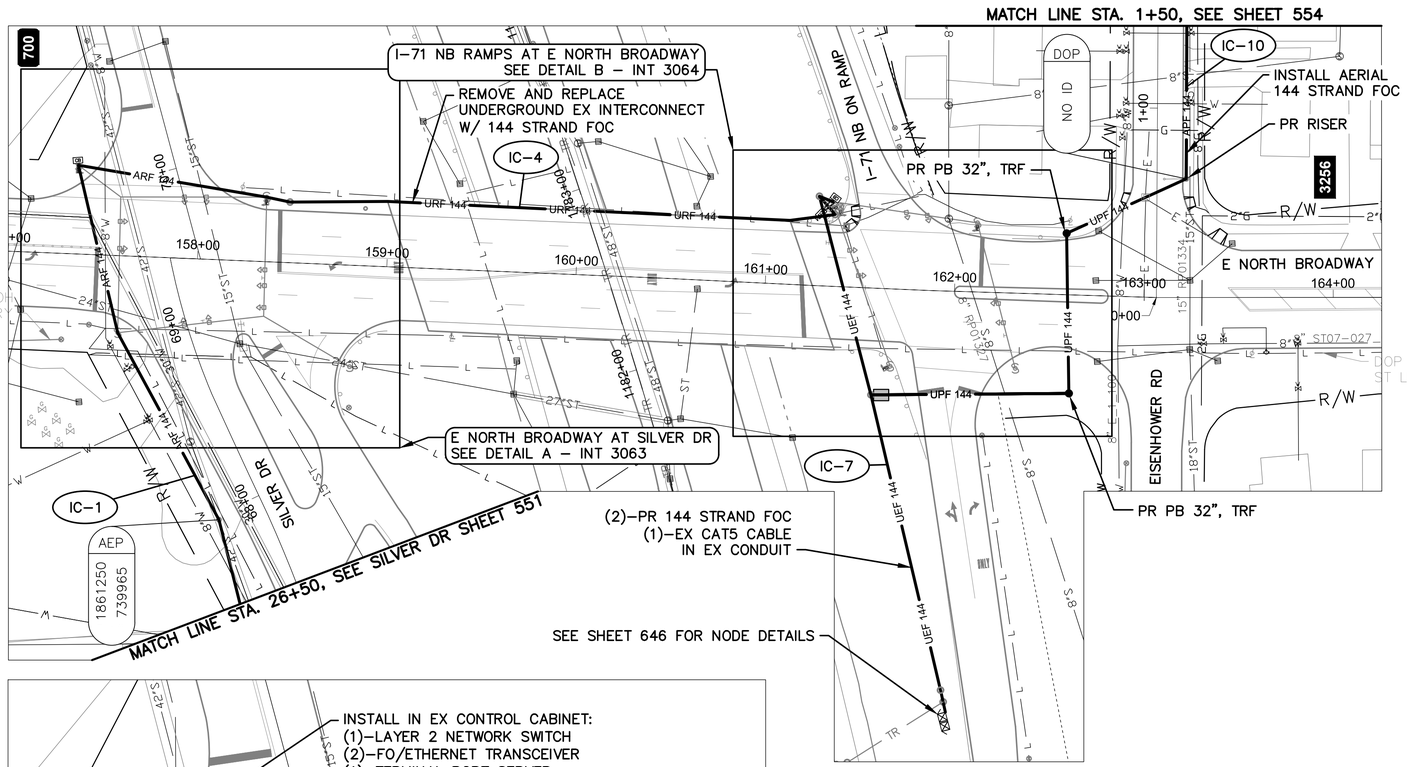
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PID NUMBER: 82573

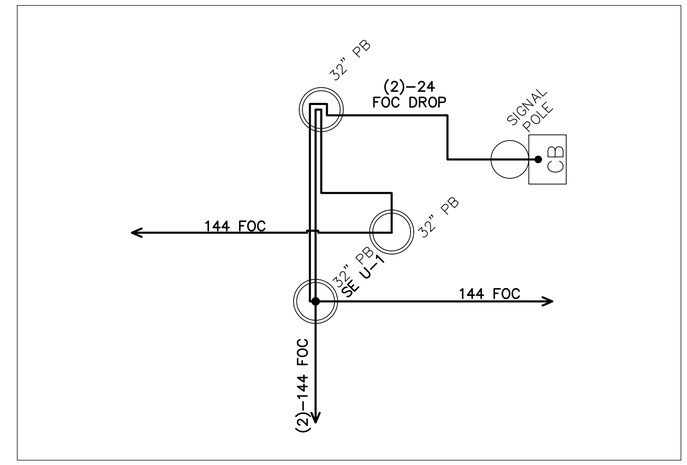
SILVER RD BETWEEN STA. 45+00 & 67+50

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

552
1000

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CABLE SCHEMATIC - INT 3064
NOT TO SCALE

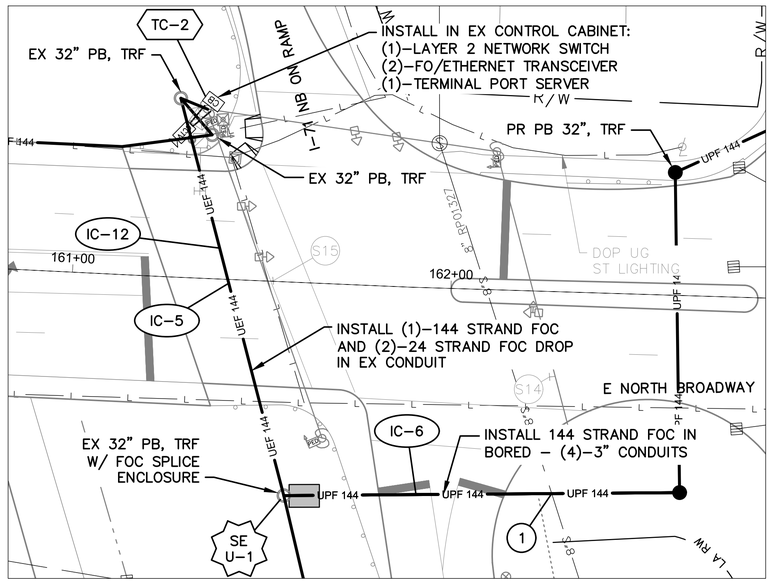
E NORTH BROADWAY BETWEEN STATION 157+50 AND 164+25

NOTES:

1. SEE SHEET 558 FOR QUANTITIES.
2. SEE SHEETS 672, 795 & 796 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET AT INT 3063 IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

DETAIL A - INT 3063

0 20 40
HORIZONTAL
SCALE IN FEET



DETAIL B - INT 3064

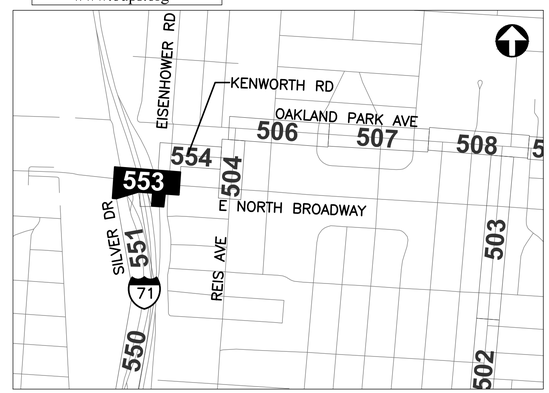
0 20 40
HORIZONTAL
SCALE IN FEET

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 355.

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- WATER
- POWER
- LIGHTING



REFER TO SHEET 348 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL
SCALE IN FEET
0 40 80

CIP: 540007–100006
PID NUMBER: 82573

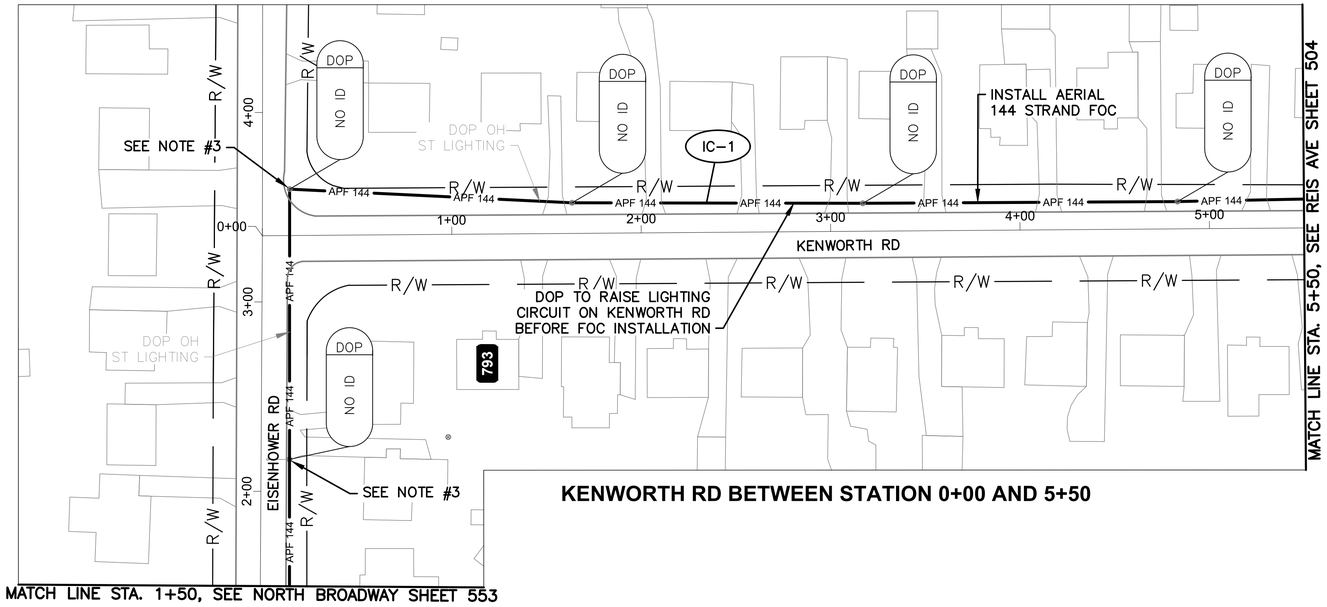
INTERCONNECT PLAN
E NORTH BROADWAY BETWEEN STA. 157+00 AND 164+25, INTS 3063 & 3064

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

553
1000

3150-E

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KENWORTH RD BETWEEN STATION 0+00 AND 5+50

NOTES:

1. SEE SHEET 567 FOR QUANTITIES.
2. SEE SHEET 672 FOR COMMUNICATION DETAILS.
3. EXISTING DOP POLES TO BE REPLACED BY STRONGER AND/OR ADDITIONAL POLES DURING CONSTRUCTION AT THE DIRECTION OF DOP.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
KENWORTH RD BETWEEN STA. 0+00 AND 5+50

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

554
1000

3150-E

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SHEET INTENTIONALLY LEFT BLANK

3150-E

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE D – CONSTRUCTION AS–BUILT	INTERCONNECT PLAN W NORTH BROADWAY BETWEEN STA. 23+00 AND 34+00, INT 4105
	CIP: 540007–100006 PID NUMBER: 82573
555 1000	0 40 80 HORIZONTAL SCALE IN FEET

d:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk3_N–BROADWAY_INTERCONNECT.dwg – W–NORTH BROADWAY–1 layout ~ last saved by: jkeans 03/19/2020 01:08pm ~ printed 03/19/2020 05:23pm

SHEET INTENTIONALLY LEFT BLANK

0 20 40
HORIZONTAL
SCALE IN FEET

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

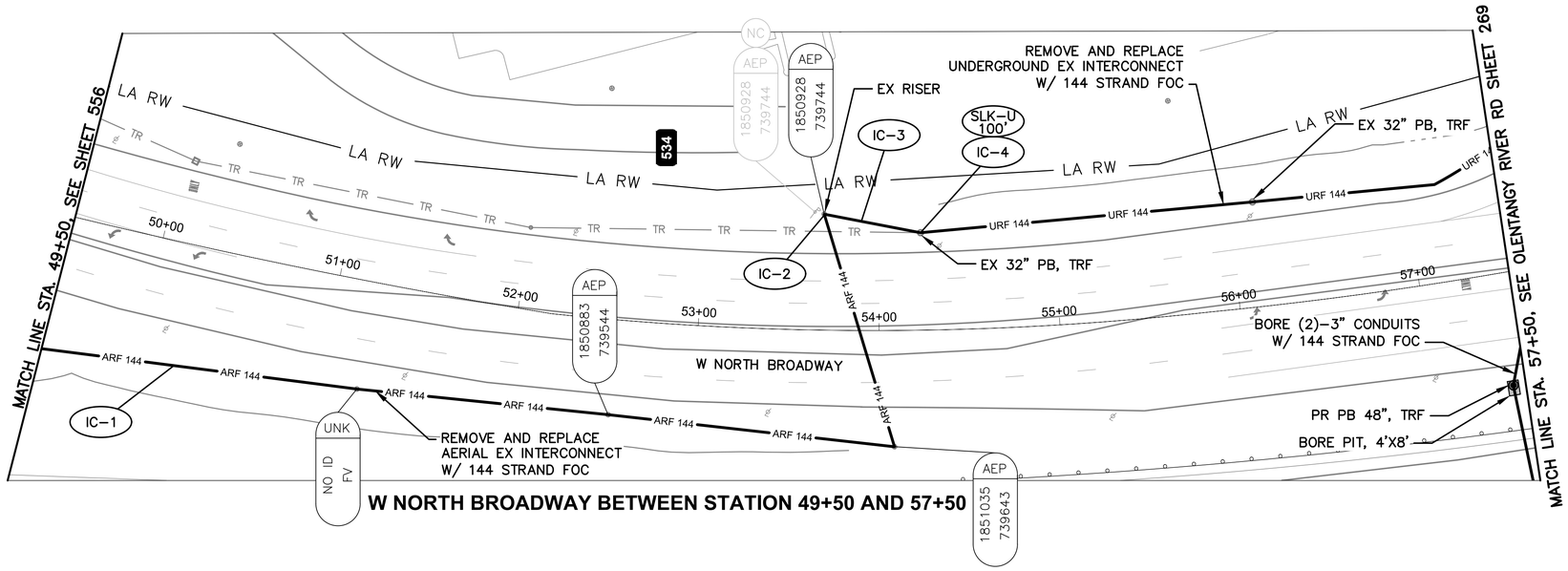
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
W NORTH BROADWAY BETWEEN STA. 34+00 AND 49+50, INT 4062

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

556
1000

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W NORTH BROADWAY BETWEEN STATION 49+50 AND 57+50

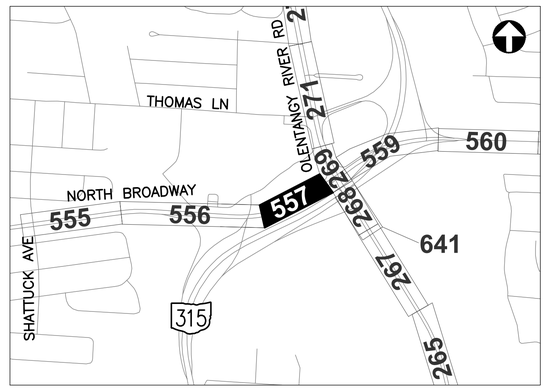
NOTES:

1. SEE SHEET 558 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.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
W NORTH BROADWAY BETWEEN STA. 49+50 AND 57+50

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

557
1000

3150-E

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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 CLEANED, AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.05, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	DOWN GUY	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/ 300FT DROP CABLE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 35 FT	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	FT	FT	EACH	FT	EACH	EACH	FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH	EACH	EACH		
E NORTH BROADWAY BETWEEN STA. 157+50 AND 164+25, INTS 3063 & 3064																								
553	TC-1	E NORTH BROADWAY	157+35, 47' LT							1									2	1	1			
553	IC-11	E NORTH BROADWAY	157+35, 47' LT	157+59, 41' RT												1								
553	SE A-1	E NORTH BROADWAY	157+59, 41' RT									150	24		1									
553	IC-1	E NORTH BROADWAY	157+59, 41' RT	158+29, 182' LT								160		158			160							
553	IC-2	E NORTH BROADWAY	157+59, 41' RT	158+35, 34' LT								195		192			195							
553	IC-3	E NORTH BROADWAY	158+35, 34' LT									35												
553	IC-4	E NORTH BROADWAY	158+35, 34' LT	161+26, 47' LT	314							314												
553	SE U-1	E NORTH BROADWAY	161+58, 56' RT									225	228		1									
553	IC-12	E NORTH BROADWAY	161+32, 37' LT	161+58, 56' RT												2								
553	IC-6	E NORTH BROADWAY	161+58, 56' RT	161+46, 50' RT				1				190												
553	IC-5	E NORTH BROADWAY	161+26, 47' LT	163+58, 50' RT	108							108												
553	TC-2	E NORTH BROADWAY	161+32, 37' LT																2	1	1			
553	IC-8	E NORTH BROADWAY	163+46, 50' RT	163+45, 43' RT		7			7			7												
553	IC-9	E NORTH BROADWAY	163+45, 43' RT							1	1	35						1						
553	IC-7	E NORTH BROADWAY	161+58, 56' RT	162+05, 22' RT								2												
553	IC-10	E NORTH BROADWAY	161+23, 145' LT	163+45, 43' RT								192					192							
KENWORTH RD. BETWEEN STA. 0+00 AND 5+50																								
554	IC-1	KENWORTH RD	0+12, 185' RT	5+50, 15' LT								756					756							
W NORTH BROADWAY BETWEEN STA. 23+ AND 34+ INT 4105																								
555	TC-1	W NORTH BROADWAY	24+58, 49' RT							1									2	1	1			
555	IC-2	W NORTH BROADWAY	23+97, 49' RT	24+58, 49' RT												1	61							
555	SE A-1	W NORTH BROADWAY	24+58, 49' RT									75	12		1									
555	IC-1	W NORTH BROADWAY	24+58, 49' RT	34+00, 77' RT								955					955							
W NORTH BROADWAY BETWEEN STA. 34+00 AND 49+ INT 406																								
556	IC-	W NORTH BROADWAY	34+ RT	37+37, 4																				
556	IC-3	W NORTH BROADWAY	35+43, 81' RT									150												
556	IC-4	W NORTH BROADWAY	37+24, 74' RT									150												
556	TC-1	W NORTH BROADWAY	+32, 5' R																2	1	1			
556	IC-5	W NORTH BROADWAY	7+32, F	7+37, 4' F												1								
556	SE A-1	W NORTH BROADWAY	7+37, 4' R									0			1									
556	IC-2	W NORTH BROADWAY	47+37, 44' RT	49+50, 75' RT								242		238			242							
W NORTH BROADWAY BETWEEN STA. 49+50 AND 57+50																								
557	IC-1	W NORTH BROADWAY	49+50, 75' RT	53+68, 64' LT								618		609			618							
557	IC-2	W NORTH BROADWAY	53+68, 64' LT									35												
557	IC-3	W NORTH BROADWAY	53+68, 64' LT	57+50, 52' LT	373							373												
557	IC-4	W NORTH BROADWAY	54+23, 54' LT									100												
SHEET TOTAL					973	7	760	1	7	3	1	6,740	288	1,197	4	5	4,532	1	8	4	3	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.

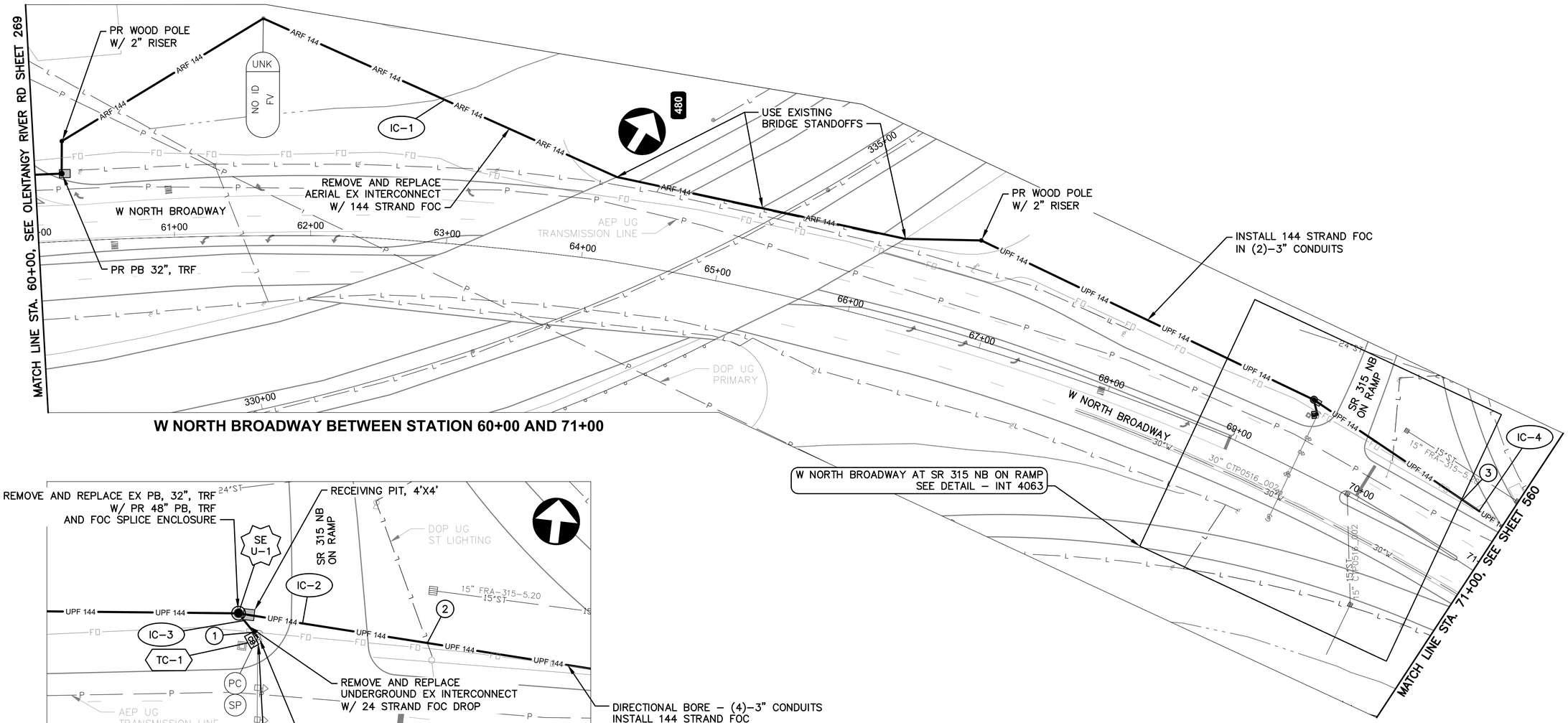
CIP: 540007-100006
PID NUMBER: 82573

NORTH BROADWAY BETWEEN STA. 157+50 & 164+25 AND 45+00 & 57+50
KENWORTH RD BTW STA. 0+00 & 5+50, INTS 3063, 3064, 4105, 4062

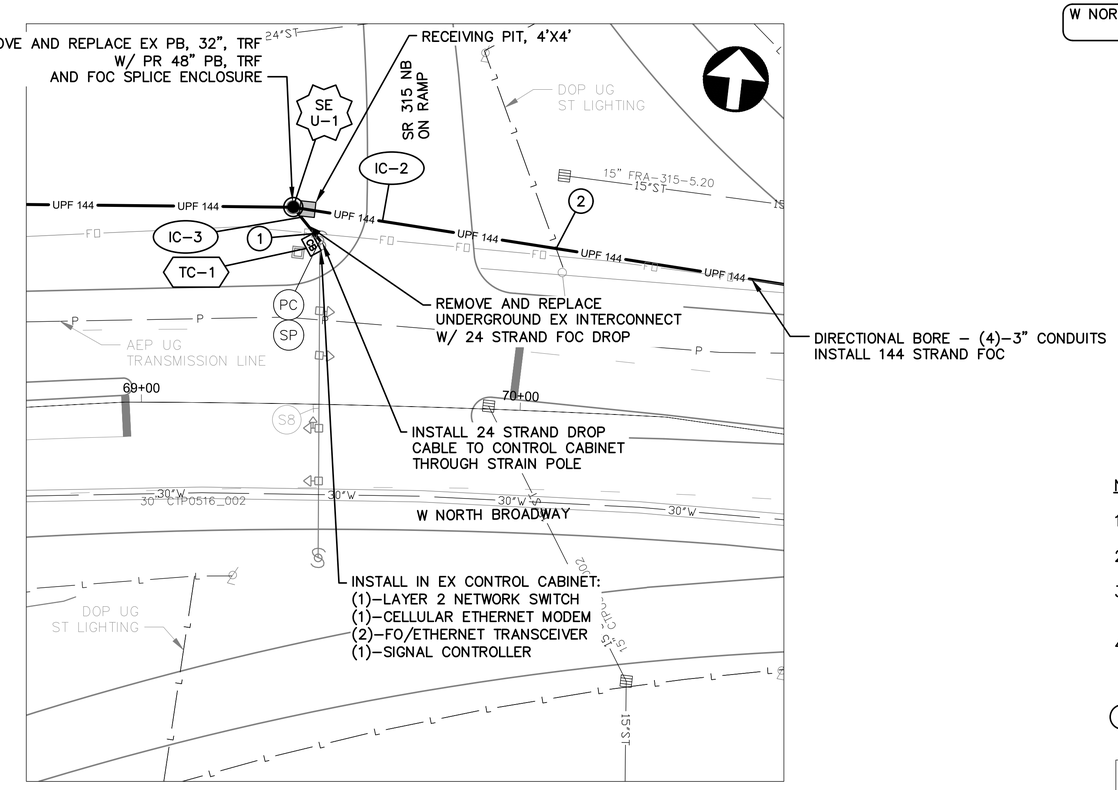
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

558
1000

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W NORTH BROADWAY BETWEEN STATION 60+00 AND 71+00



DETAIL - INT 4063

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

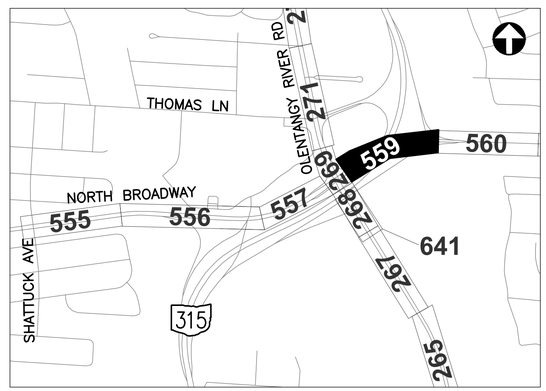
1. SEE SHEET 567 FOR QUANTITIES.
2. SEE SHEETS 671 & 781 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
4. BORE PIT BETWEEN FIVE TO EIGHT FEET OF A STRAIN POLE WILL REQUIRE A TEMPORARY STRAIN POLE SUPPORT.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 355.

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CITY OF COLUMBUS UTILITY LEGEND

- [x] SEWER
- [ ] WATER
- [x] POWER
- [x] LIGHTING



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

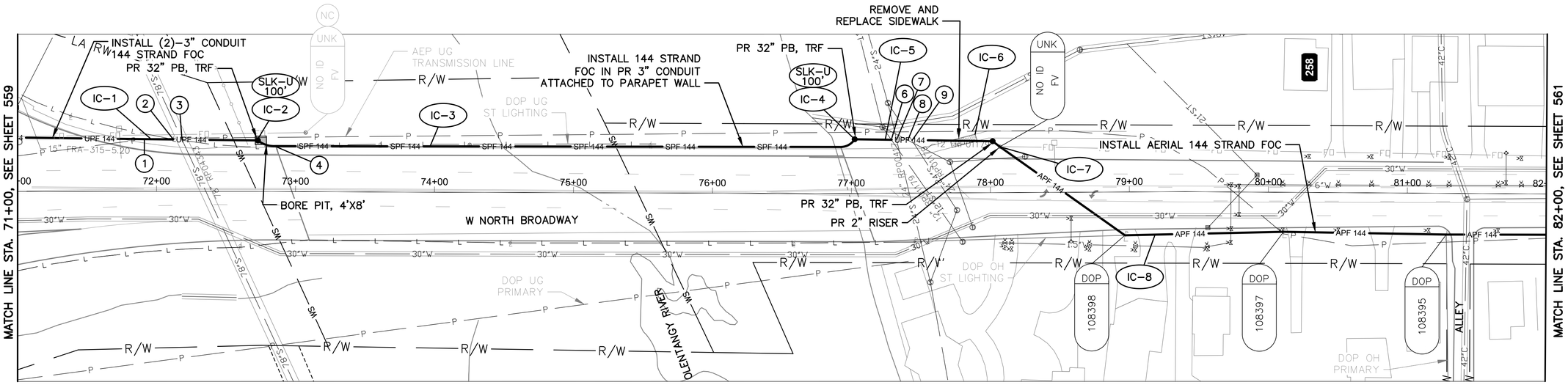
INTERCONNECT PLAN
W NORTH BROADWAY BETWEEN STA. 60+00 AND 71+00, INT 4063

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

559
1000

3150-E

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W NORTH BROADWAY BETWEEN STATION 71+00 AND 82+00

NOTES:

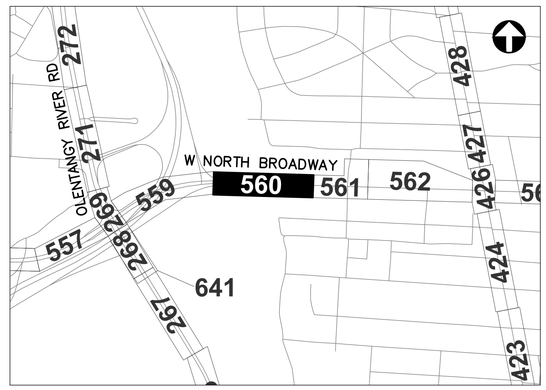
1. SEE SHEET 567 FOR QUANTITIES.
2. SEE SHEET 667 FOR COMMUNICATION DETAILS.
3. SEE SHEET 46 FOR BRIDGE ATTACHMENT DETAILS.
4. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 355.

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CITY OF COLUMBUS
UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 348 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL
SCALE IN FEET
0
40
80

CIP: 540007-100006
PID NUMBER: 82573

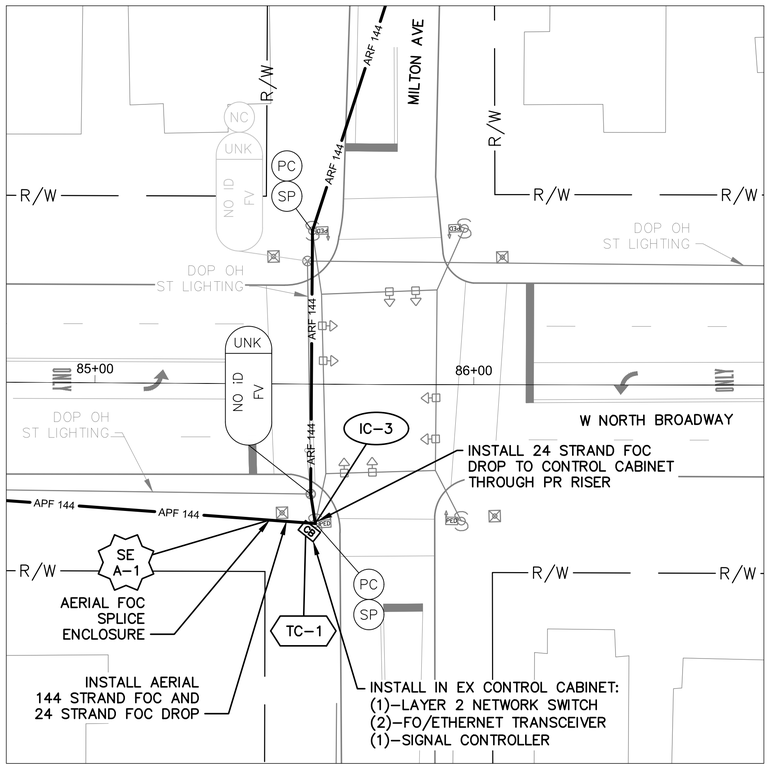
INTERCONNECT PLAN
W NORTH BROADWAY BETWEEN STA. 71+00 AND 82+00

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

560
1000

3150-E

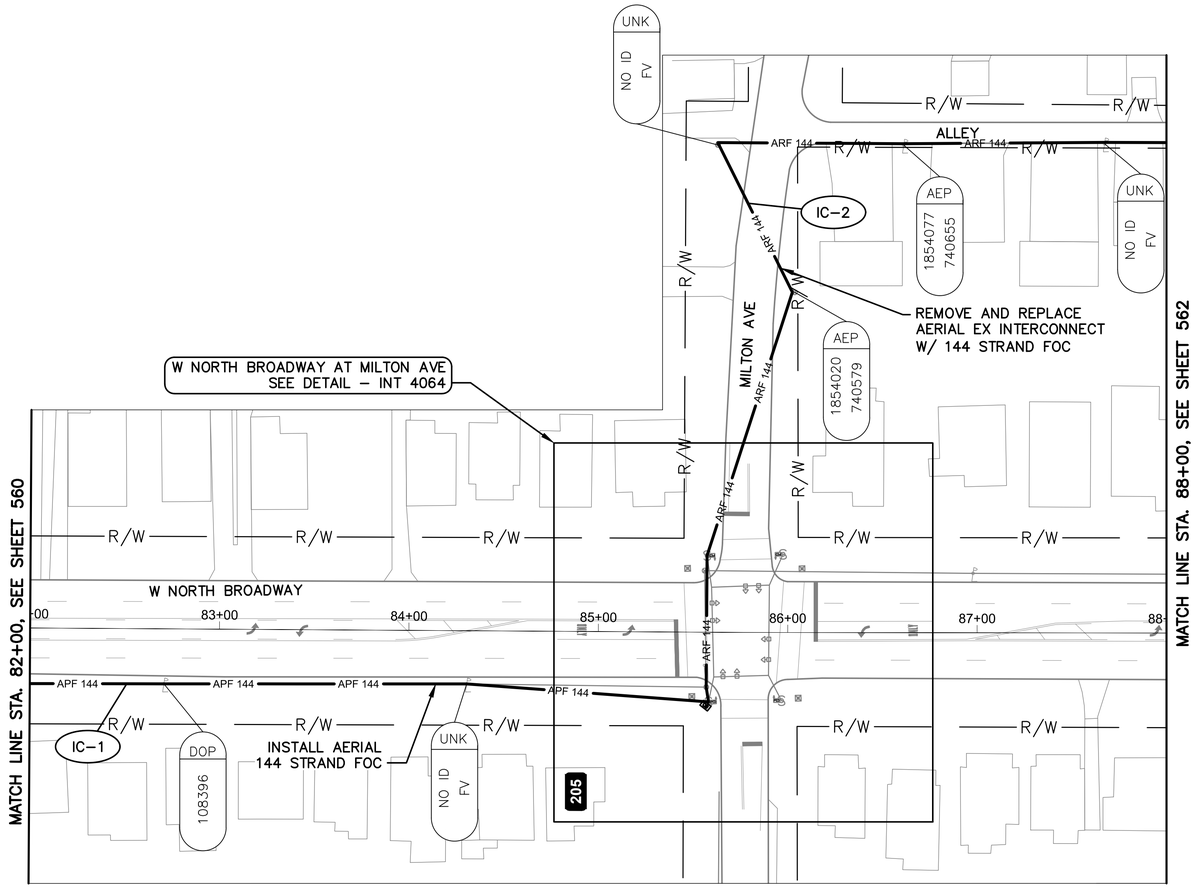
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DETAIL - INT 4064

0 20 40

HORIZONTAL
SCALE IN FEET



W NORTH BROADWAY BETWEEN STATION 82+00 AND 88+00

NOTES:

1. SEE SHEET 567 FOR QUANTITIES.
2. SEE SHEETS 665 & 782 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 348 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

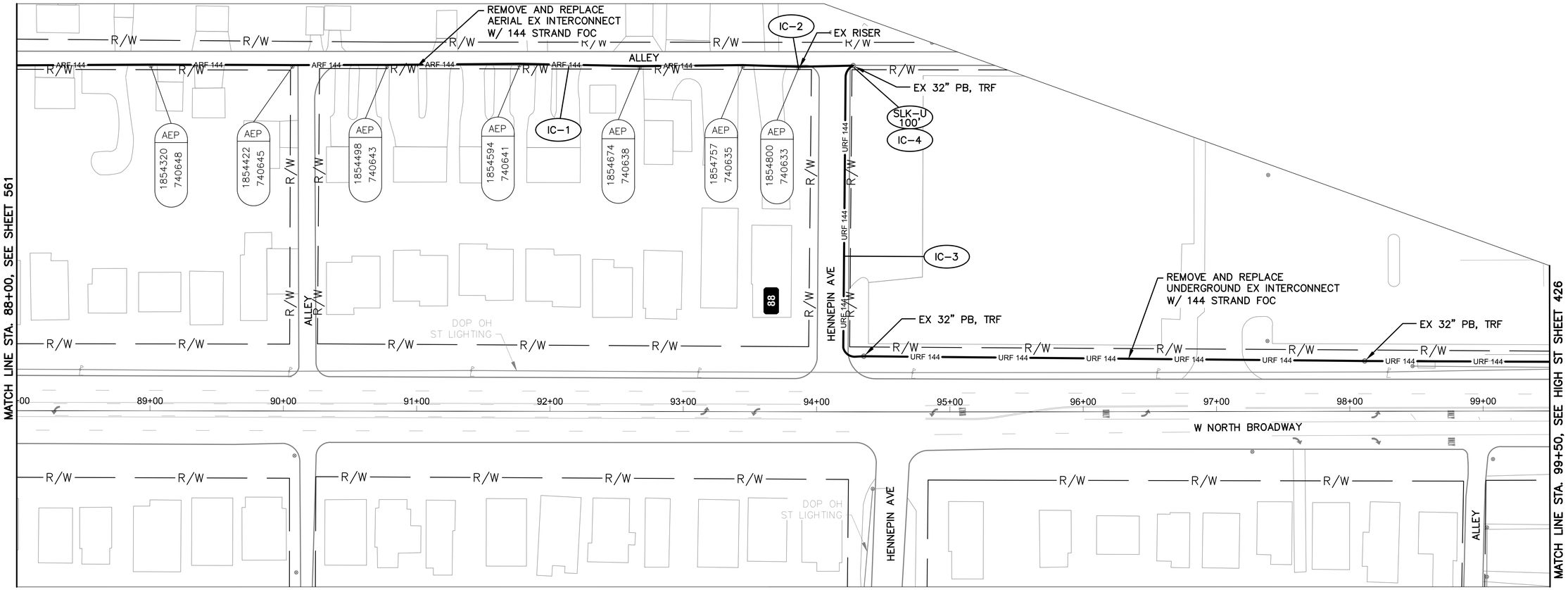
INTERCONNECT PLAN
W NORTH BROADWAY BETWEEN STA. 82+00 AND 88+00, INT 4064

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

561
1000

3150-E

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W NORTH BROADWAY BETWEEN STATION 88+00 AND 99+50

NOTES:

1. SEE SHEET 567 FOR QUANTITIES.
2. SEE SHEET 665 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS
UTILITY LEGEND

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

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www.oups.org

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

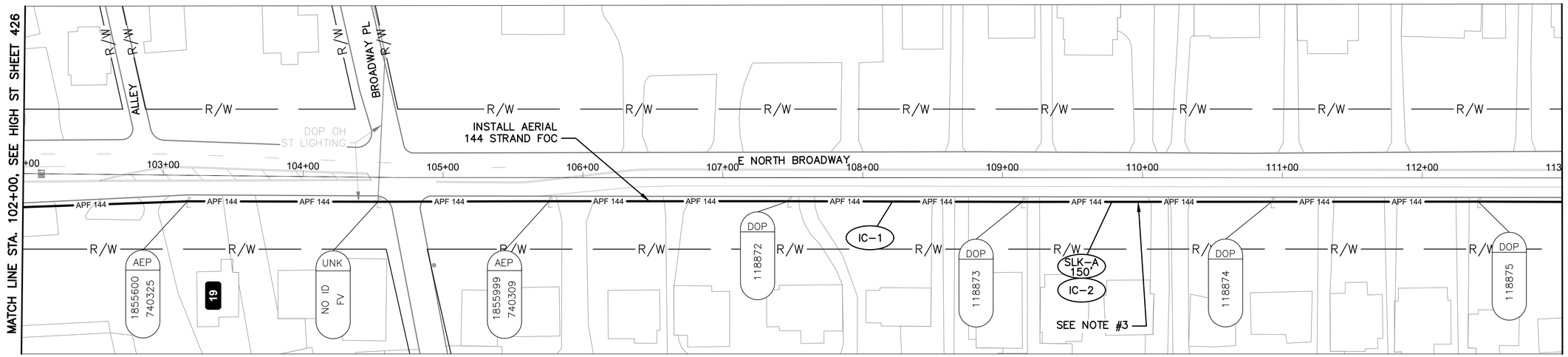
INTERCONNECT PLAN
NORTH BROADWAY BETWEEN STA. 88+00 AND 99+50

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

3150-E

562
1000

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E NORTH BROADWAY BETWEEN STATION 102+00 AND 113+00

NOTES:

1. SEE SHEET 567 FOR QUANTITIES.
2. SEE SHEET 666 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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www.oups.org

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

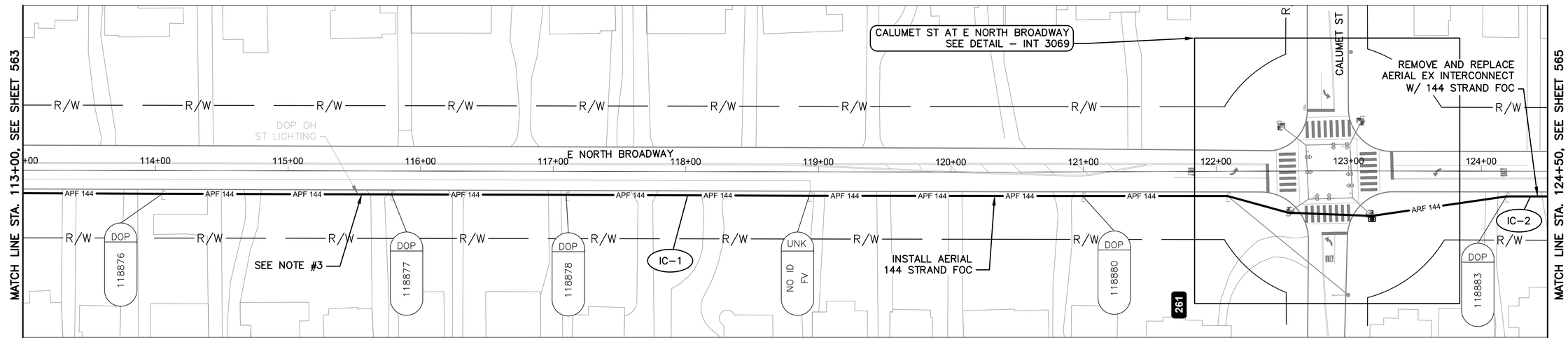
INTERCONNECT PLAN
NORTH BROADWAY BETWEEN STA. 102+00 AND 113+00

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

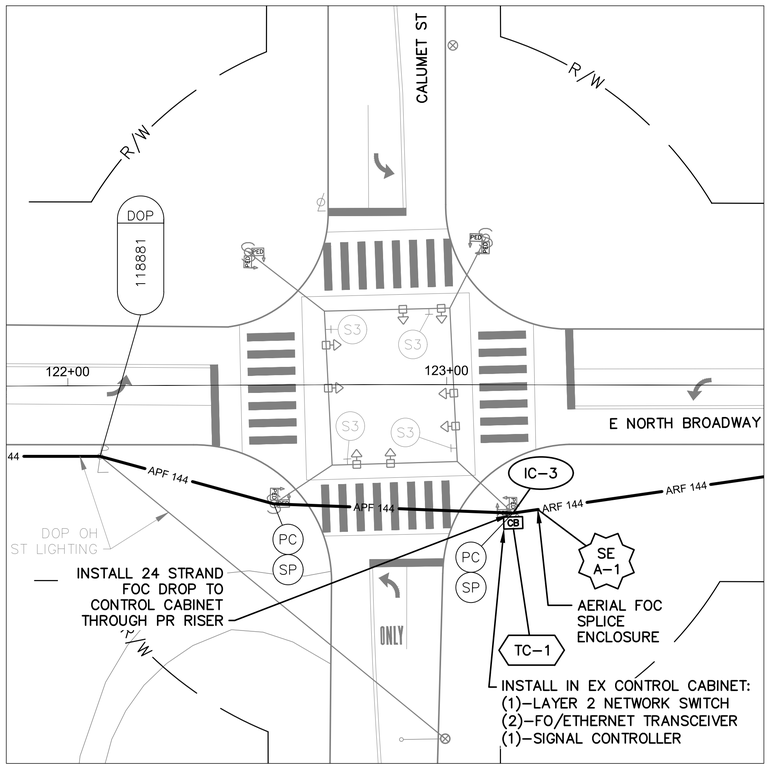
563
1000

3150-E

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E NORTH BROADWAY BETWEEN STATION 113+00 AND 124+50



DETAIL - INT 3069

0 20 40
HORIZONTAL SCALE IN FEET

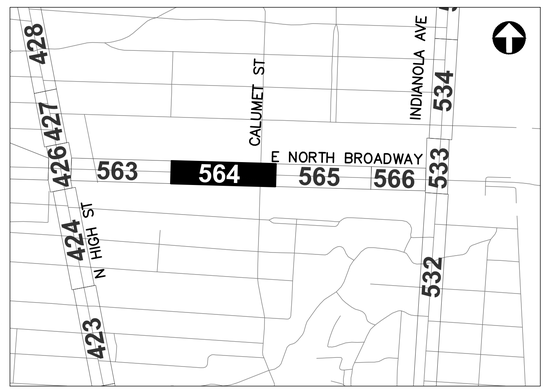
NOTES:

1. SEE SHEET 567 FOR QUANTITIES.
2. SEE SHEETS 666 & 783 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL SCALE IN FEET

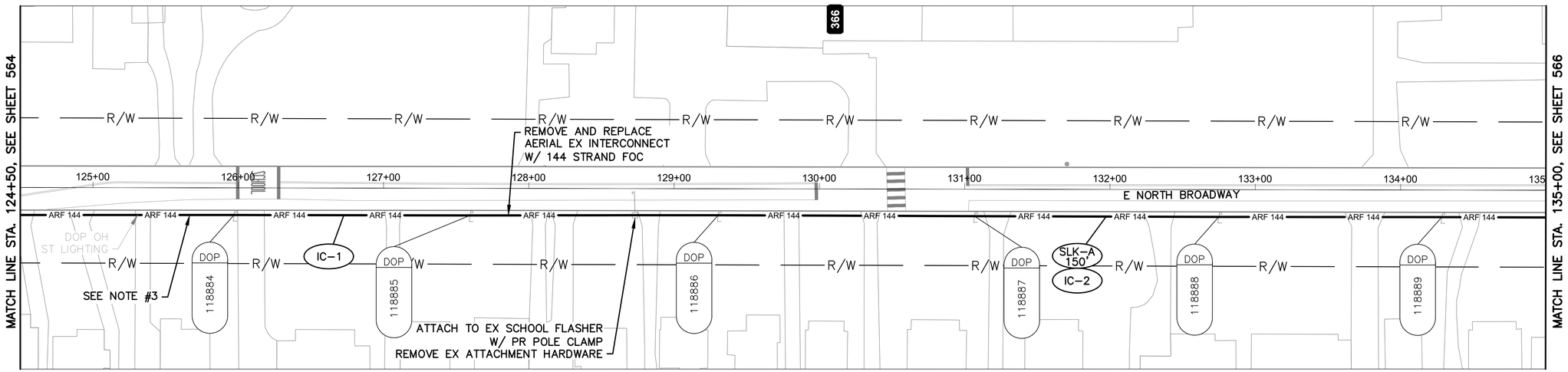
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
E NORTH BROADWAY BETWEEN STA. 113+00 AND 124+50, INT 3069

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

564
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk3_N–BROADWAY2_INTERCONNECT.dwg – E–NORTH BROADWAY–8 layout ~ last saved by: jbeans 03/19/2020 01:05pm ~ printed 03/19/2020 05:34pm



E NORTH BROADWAY BETWEEN STATION 124+50 AND 135+00

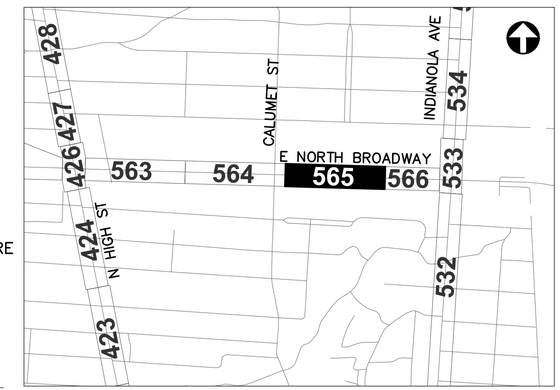
NOTES:

1. SEE SHEET 567 FOR QUANTITIES.
2. SEE SHEETS 666 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

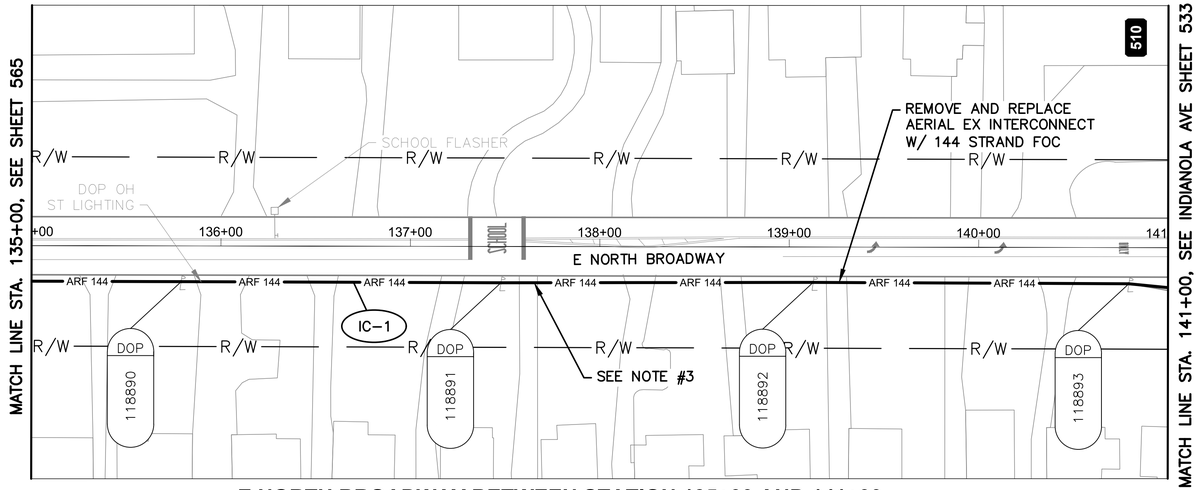
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
E NORTH BROADWAY BETWEEN STA. 124+50 AND 135+00

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

565
1000

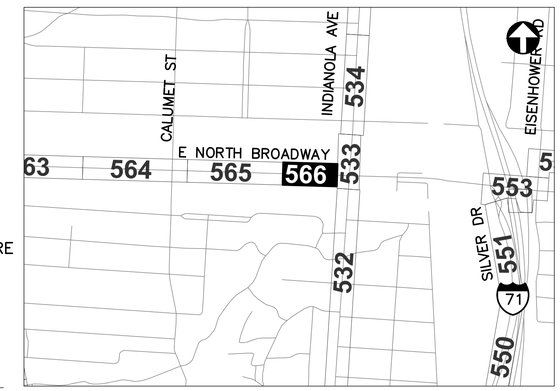
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E NORTH BROADWAY BETWEEN STATION 135+00 AND 141+00

NOTES:

1. SEE SHEET 567 FOR QUANTITIES.
2. SEE SHEET 666 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

Ohio Utilities Protection Service
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www.oups.org

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
NORTH BROADWAY BETWEEN STA. 135+00 AND 141+00

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

566
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN (FT)	202 WALK REMOVED (SF)	608 8" CONCRETE WALK (SF)	625 CONDUIT, CONCRETE ENCASED, 4-3", 725.05, AS PER PLAN (FT)	625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN (FT)	625 CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE (FT)	625 PULL BOX, CONCRETE 32", AS PER PLAN (EACH)	625 TRENCH, 36" DEEP, AS PER PLAN (FT)	632 CONDUIT RISER, 2", 725.04, AS PER PLAN (EACH)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND (FT)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE (EACH)	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT (FT)	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE (EACH)	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE (EACH)	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN (FT)	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE (EACH)	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH (EACH)	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN (EACH)		
W NORTH BROADWAY BETWEEN STA. 60+00 AND 71+00, INT 4063																									
559	IC-1	W NORTH BROADWAY	60+00, 76' LT	69+46, 43' LT										1,038		1,023			1,038						
559	SE U-1	W NORTH BROADWAY	69+39, 52' LT											150	24		1								
559	IC-2	W NORTH BROADWAY	69+39, 52' LT	69+46, 43' LT	16									16				1							
559	IC-3	W NORTH BROADWAY	69+39, 52' LT	70+74, 99' LT					612		1			153											
559	TC-1	W NORTH BROADWAY	69+46, 43' LT											35							2	1	1		
559	IC-4	W NORTH BROADWAY	70+74, 99' LT	71+00, 91' LT				27				27		27											
W NORTH BROADWAY BETWEEN STA. 71+00 AND 82+00																									
560	IC-1	W NORTH BROADWAY	71+00, 91' LT	72+72, 37' LT				181				181		181											
560	IC-2	W NORTH BROADWAY	72+72, 37' LT								1			100											
560	IC-3	W NORTH BROADWAY	72+72, 37' LT	77+02, 39' LT						432															
560	IC-4	W NORTH BROADWAY	77+02, 39' LT								1			100											
560	IC-5	W NORTH BROADWAY	77+02, 39' LT	78+10, 37' LT				108			1	108		108											
560	IC-6	W NORTH BROADWAY	77+71, 38' LT	77+91, 37' LT		100	100																		
560	IC-7	W NORTH BROADWAY	78+10, 37' LT										1	35											
560	IC-8	W NORTH BROADWAY	78+10, 37' LT	82+00, 29' RT										419							41				
W NORTH BROADWAY BETWEEN STA. 82+00 AND 88+00, INT 4064																									
561	IC-1	W NORTH BROADWAY	82+00, 29' RT	85+48, 37' RT										354					354						
561	IC-2	W NORTH BROADWAY	85+48, 37' RT	88+00, 258' LT										567		559			567						
561	SE A-1	W NORTH BROADWAY	85+48, 37' RT											150	24		1								
561	IC-3	W NORTH BROADWAY	85+48, 37' RT	85+58, 37' RT														1							
561	TC-1	W NORTH BROADWAY	85+58, 37' RT																		2	1	1		
W NORTH BROADWAY BETWEEN STA. 88+00 AND 99+50																									
562	IC-1	W NORTH BROADWAY	88+00, 258' LT	93+80, 257' LT										526					526						
562	IC-2	W NORTH BROADWAY	93+80, 257' LT											3											
562	IC-3	W NORTH BROADWAY	93+80, 257' LT	94+50, 76' LT										76											
562	IC-4	W NORTH BROADWAY	94+50, 76' LT											100											
E NORTH BROADWAY BETWEEN STA. 102+00 AND 113+00																									
563	IC-1	E NORTH BROADWAY	102+00, 76' RT	113+00, 17' RT										1,117					1,117						
563	IC-2	E NORTH BROADWAY	112+33, 17' RT											150											
E NORTH BROADWAY BETWEEN STA. 113+00 AND 124+50, INT 3069																									
564	IC-1	E NORTH BROADWAY	113+00, 17' RT	123+27, 34' RT										1,044					1,044						
564	SE A-1	E NORTH BROADWAY	123+27, 34' RT											150	24		1								
564	IC-3	E NORTH BROADWAY	123+17, 34' RT	123+27, 34' RT														1							
564	TC-1	E NORTH BROADWAY	123+17, 34' RT										1								2	1	1		
564	IC-2	E NORTH BROADWAY	123+27, 34' RT	124+50, 19' RT										125		123			125						
E NORTH BROADWAY BETWEEN STA. 124+50 AND 135+00																									
565	IC-1	E NORTH BROADWAY	124+50, 19' RT	135+00, 19' RT										1,066		1,050			1,066						
565	IC-2	E NORTH BROADWAY	131+05, 19' RT											150											
E NORTH BROADWAY BETWEEN STA. 135+00 AND 141+00																									
566	IC-1	E NORTH BROADWAY	135+00, 19' RT	141+00, 21' RT										609		600			609						
SHEET TOTAL					792	100	100	316	612	432	4	316	3	9,783	72	3,942	3	3	6,935	6	3	3	-	-	

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

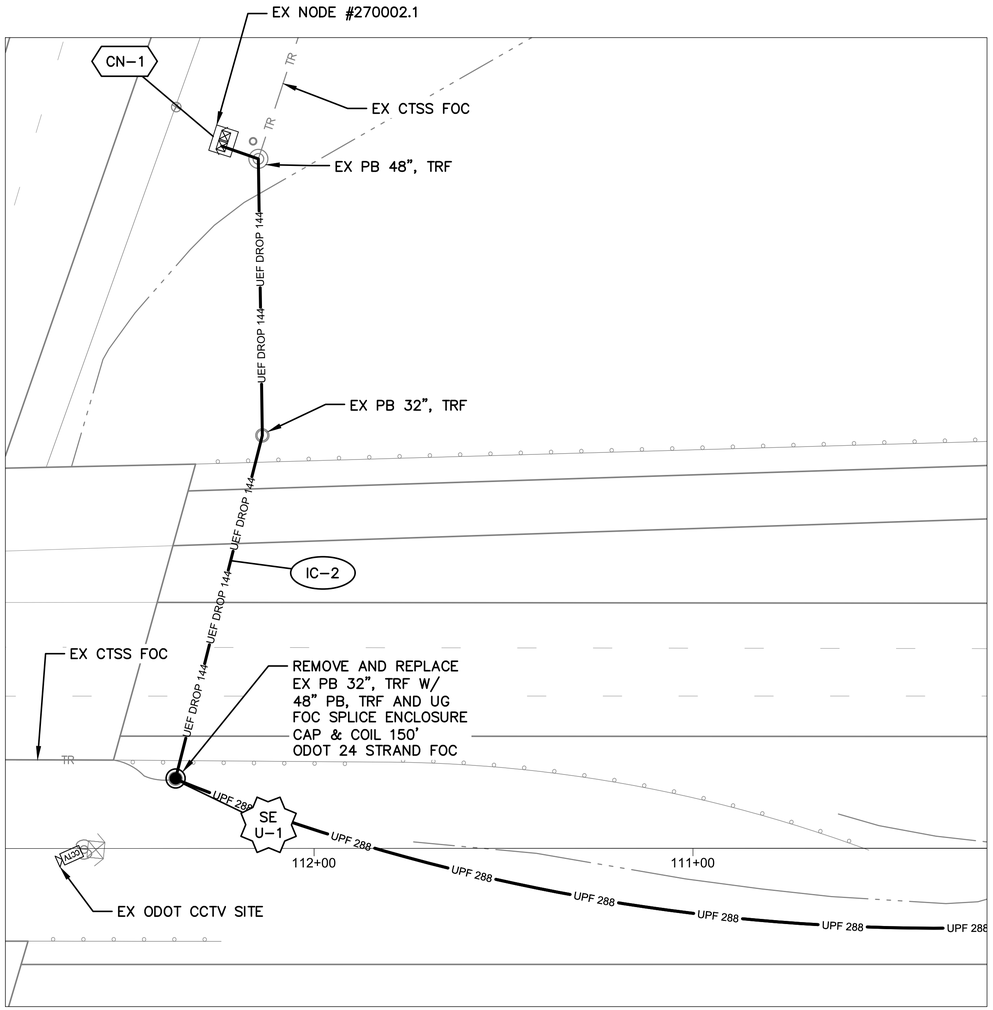
QUANTITIES WERE USED FOR DEVELOPING CONSTRUCTION COST ESTIMATES ONLY AND WERE NOT REVISED TO REFLECT CHANGES MADE DURING CONSTRUCTION.

CIP: 540007–100006
PID NUMBER: 82573

NORTH BROADWAY BETWEEN STA. 60+00 & 141+00
INTS 4063, 4064, 3069, 3069

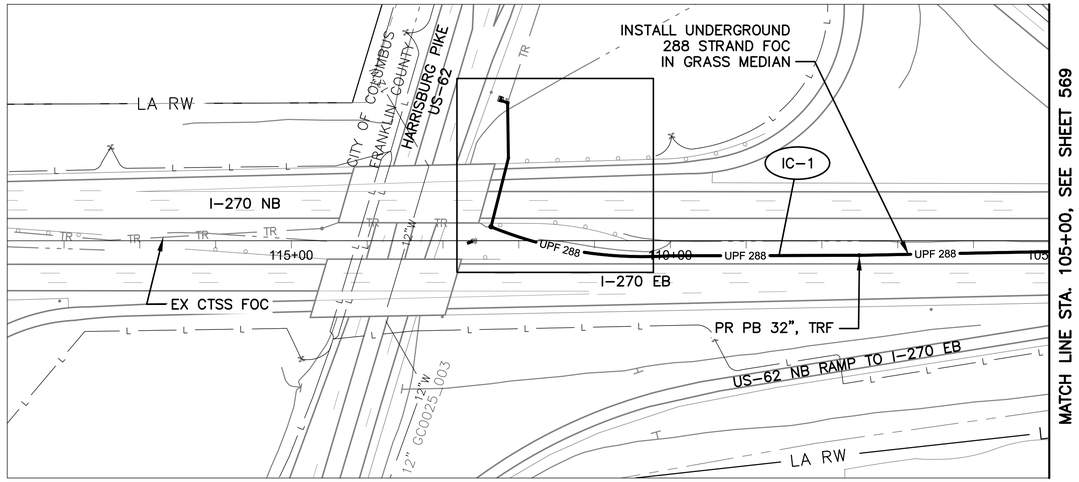
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

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COMMUNICATION DETAIL
NODE #270002.1

0 20 40
HORIZONTAL
SCALE IN FEET



I-270 BETWEEN STATION 105+00 AND 118+75

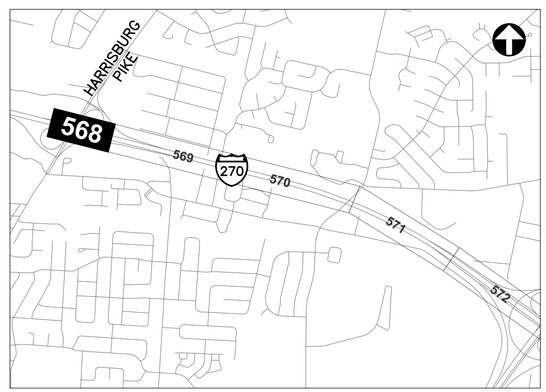
NOTES:

1. SEE SHEET 574 FOR QUANTITIES.
2. SEE SHEETS 682 & 975–977 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 100 200
HORIZONTAL
SCALE IN FEET

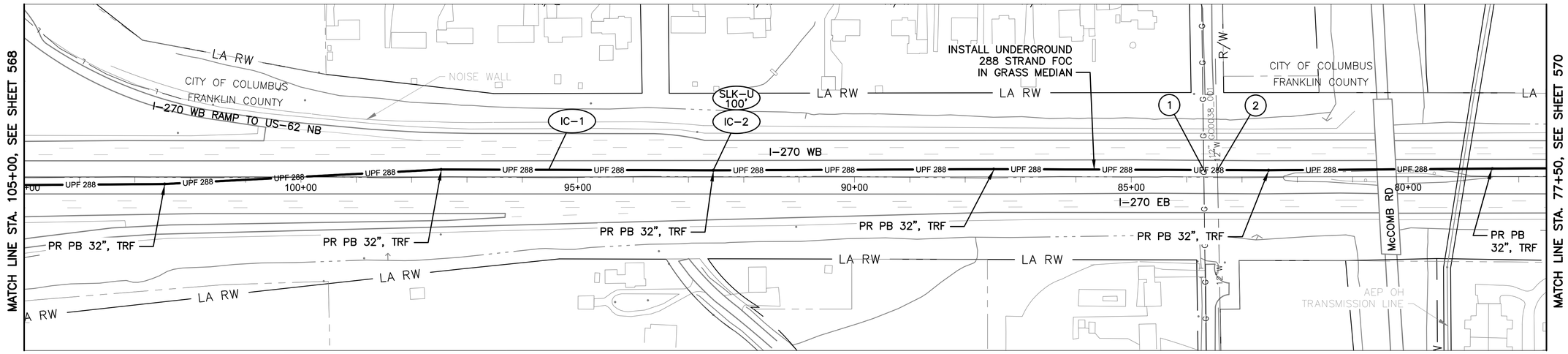
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
I–270 BETWEEN STA. 105+00 AND 118+75

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

568
1000

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I-270 BETWEEN STATION 77+50 AND 105+00

NOTES:

1. SEE SHEET 574 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 355.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

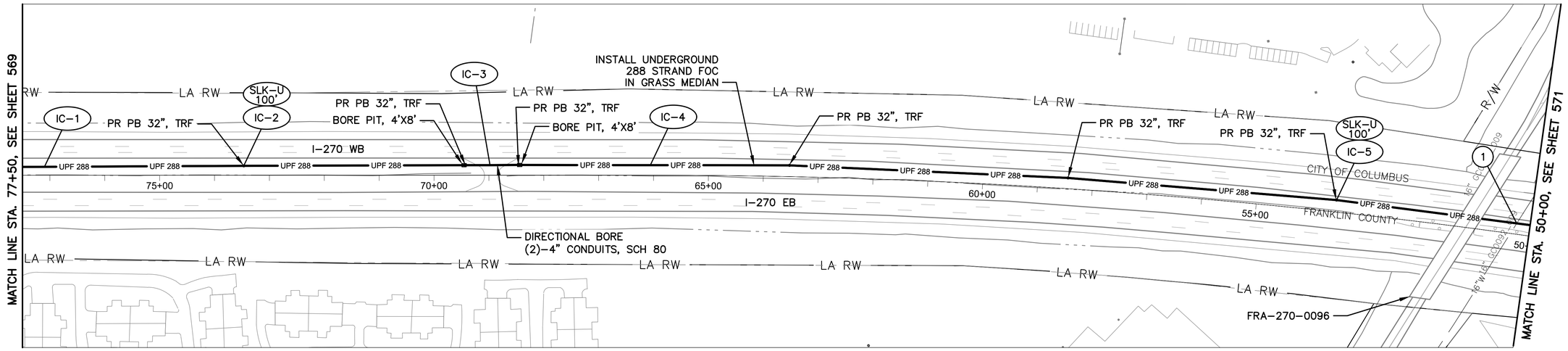
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 77+50 AND 105+00

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

569
1000

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I-270 BETWEEN STATION 50+00 AND 77+50

NOTES:

1. SEE SHEET 574 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 355.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 100 200

CIP: 540007-100006
PID NUMBER: 82573

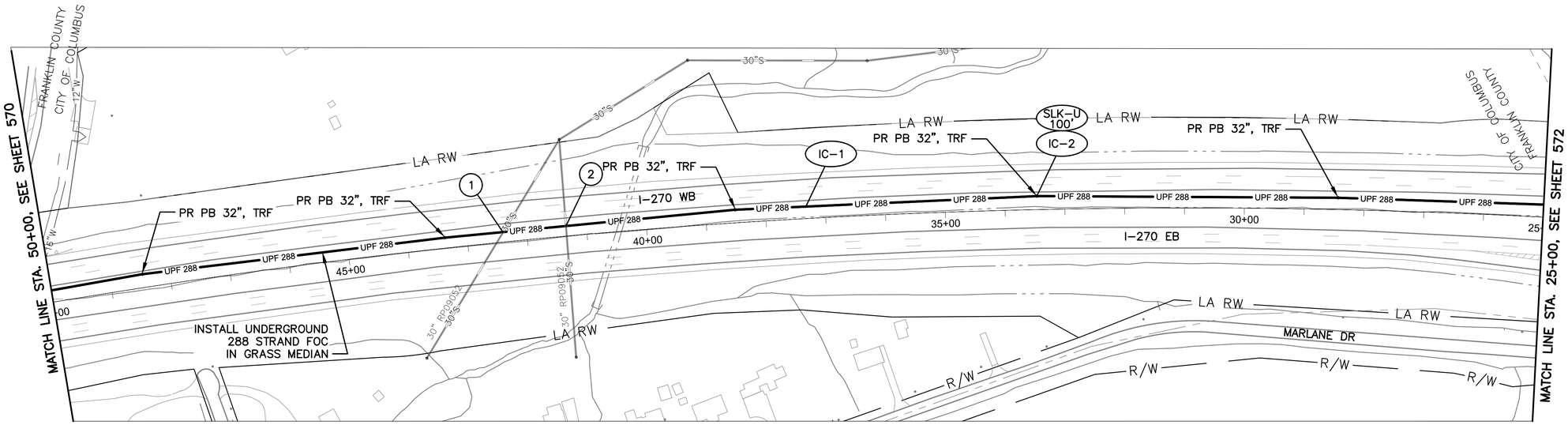
INTERCONNECT PLAN
I-270 BETWEEN STA. 50+00 AND 77+50

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

570
1000

3150-E

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I-270 BETWEEN STATION 25+00 AND 50+00

NOTES:

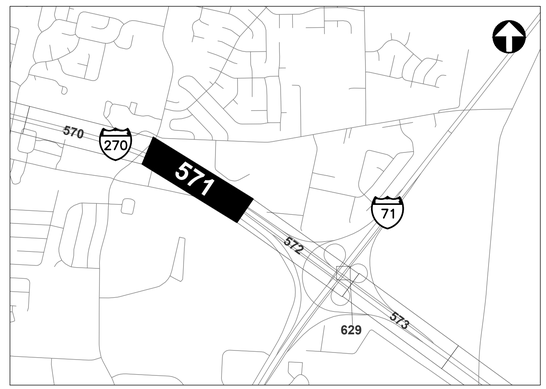
1. SEE SHEET 574 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 355.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 351 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL
SCALE IN FEET
0
100
200

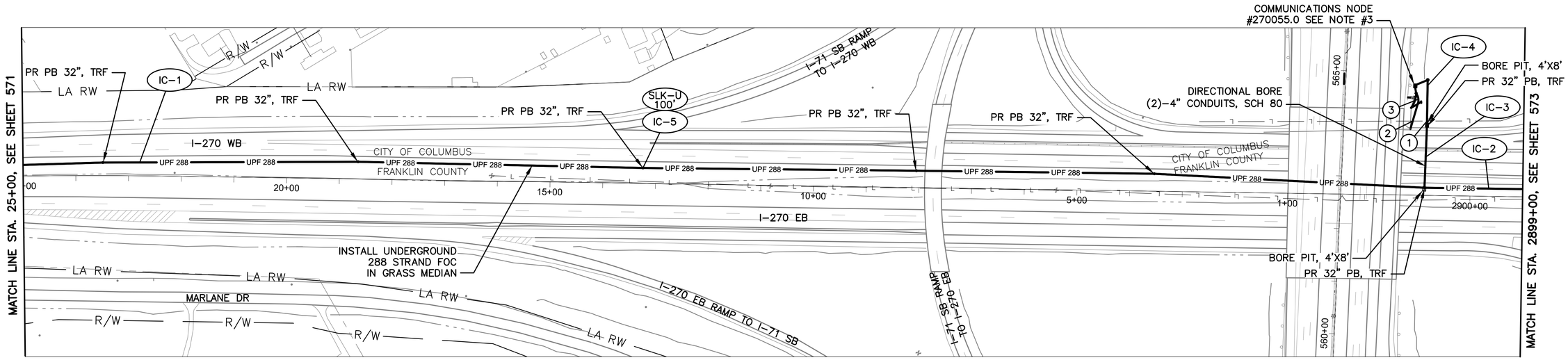
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 25+00 AND 50+00

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

571
1000

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I-270 BETWEEN STATION 2899+00 AND 25+00

NOTES:

1. SEE SHEET 574 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. SEE SHEET 629 FOR NODE #270055.0 DETAIL.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 355.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

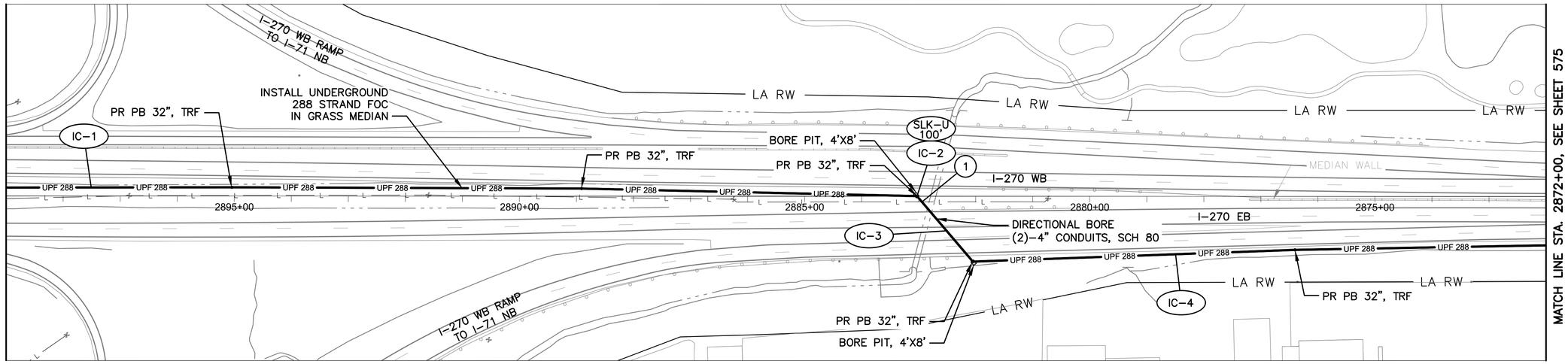
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PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2899+00 AND 25+00

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

572
1000

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I-270 BETWEEN STATION 2872+00 AND 2899+00

NOTES:

1. SEE SHEET 574 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2872+00 AND 2899+00

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

573
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	625	625	632	632	632	632	632	632	633						
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, 4", AS PER PLAN	CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN	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	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 475FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE						
			FROM	TO	FT	FT	FT	EACH	EACH	EACH	FT	FT	FT	EACH	EACH	EACH	EACH	EACH						
I-270 BETWEEN STA. 105+00 AND 118+75, NODE 270002.1																								
568	IC-1	I-270	105+00, 14' RT	112+36, 18' RT		1,474		1			737		737											
568	CN-1	I-270	112+24, 187' RT														2	1						
568	IC-2	I-270	112+24, 187' RT	112+36, 18' RT	177										2									
568	SE U-1	I-270	112+36, 18' RT						1	1		150	75	288		1								
I-270 BETWEEN STA. 77+50 AND 105+00																								
569	IC-1	I-270	77+50, 15' RT	105+00, 14' RT		5,500		5			2,750		2,750											
569	IC-2	I-270	92+55, 12' RT					1					100											
I-270 BETWEEN STA. 50+00 AND 77+50																								
570	IC-4	I-270	50+00, 20' RT	68+46, 19' RT		69		2			1,840		1,[illegible]9											
570	IC-5	I-270	53+55, 22' RT					1					0											
570	IC-3	I-270	68+46, 19' RT	69+43, 18' RT			194	2					97											
570	IC-1	I-270	69+43, 18' RT	77+50, 15' RT		1,614					807		807											
570	IC-2	I-270	73+47, 17' RT					1					100											
I-270 BETWEEN STA. 25+00 AND 50+00																								
571	IC-1	I-270	25+00, 20' RT	50+00, 20' RT		[illegible]					2,50[illegible]		[illegible]											
571	IC-2	I-270	33+46, 23' RT					1					100											
I-270 BETWEEN STA. 2899+00 AND 25+00																								
572	IC-1	I-270	25[illegible]+00, 20' RT	2900, 21' RT		5,320					[illegible]660		[illegible],660											
572	IC-5	I-270	1[illegible]24, 29' RT					1					100											
572	IC-2	I-270	2899+00, 15' RT	2900+87, 14' RT		374					187		187											
572	IC-3	I-270	2900+84, 131' RT	2900+87, 14' RT			234	2					234											
572	IC-4	I-270	2900+84, 131' RT	2900+84, 329' RT		196		1			98		196											
I-270 BETWEEN STA. 2872+00 AND 2899+00																								
573	IC-4	I-270	2872+00, 20' RT	2882+05, 115' LT		[illegible]01					1,[illegible]5		1,[illegible]5											
573	IC-3	I-270	2882+05, 115' LT				302	1					151											
573	IC-2	I-270	2883+03, 0' RT					1					100											
573	IC-1	I-270	2883+03, 0' RT	2899+[illegible], 15' RT		[illegible],19[illegible]					1,[illegible]96		[illegible]96											
SHEET TOTAL					177	28,386	730	31	1	1	14,193	150	15,448	288	2	1	2	1	-	-	-	-	-	-

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

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

3150-E

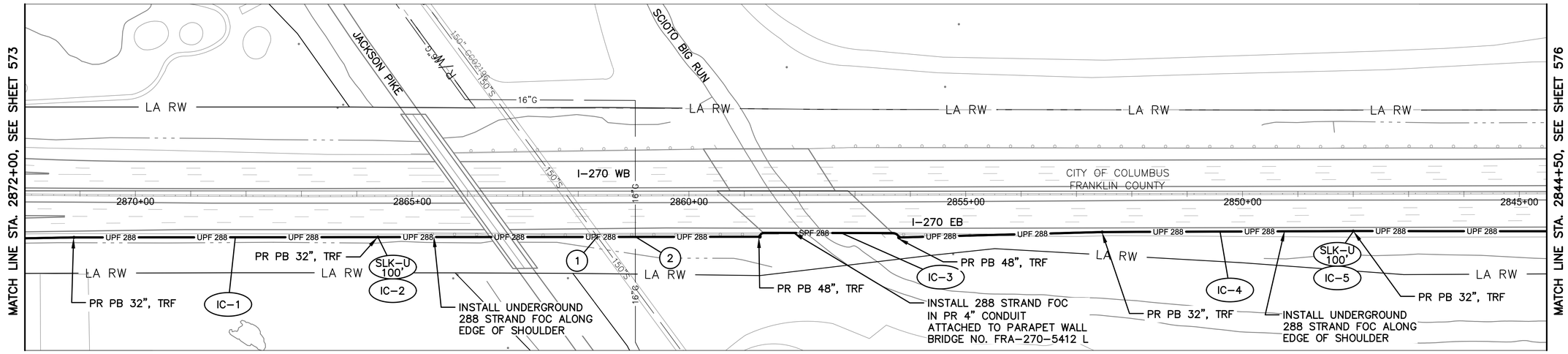
CIP: 540007–100006
PID NUMBER: 82573

I–270 BTW STA. 3+00 & 118+75 AND BTW STA. 2872+00 & 2899+00

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

574
1000

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I-270 BETWEEN STATION 2844+50 AND 2872+00

NOTES:

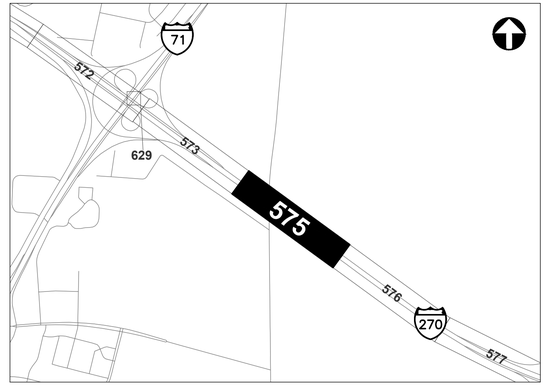
1. SEE SHEET 581 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

- [X] SEWER
- [ ] WATER
- [ ] POWER
- [ ] LIGHTING



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

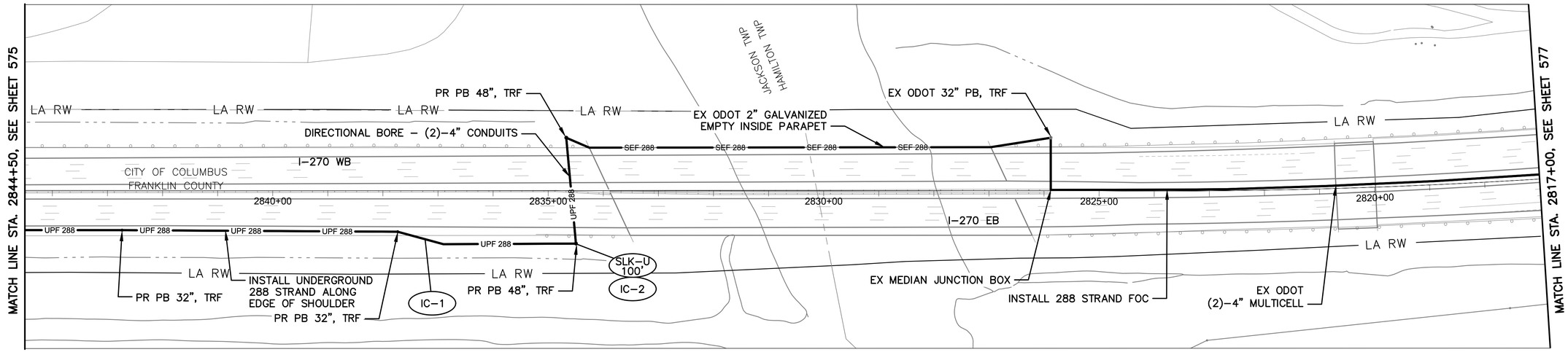
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2844+50 AND 2872+00

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

575
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_I-270_INTERCONNECT.dwg ~ I-270-7 layout ~ last saved by: jbeans 03/19/2020 01:10pm ~ printed 03/19/2020 05:44pm



I-270 BETWEEN STATION 2817+00 AND 2844+50

NOTES:

1. SEE SHEET 581 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. SEE SHEET 45 FOR BRIDGE ATTACHMENT DETAILS.



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

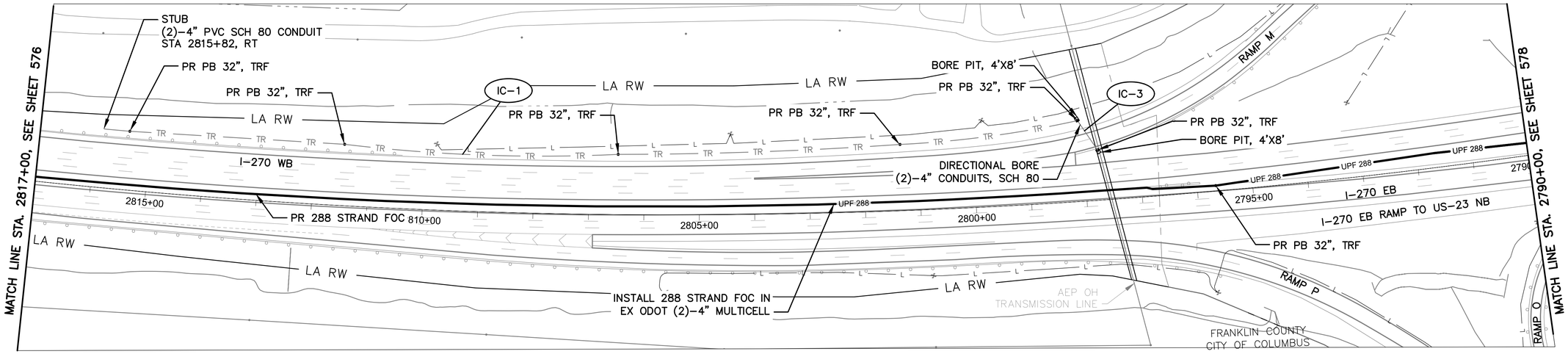
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PID NUMBER: 82573

INTERCONNECT PLAN
I–270 BETWEEN STA. 2817+00 AND 2844+50

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

576
1000

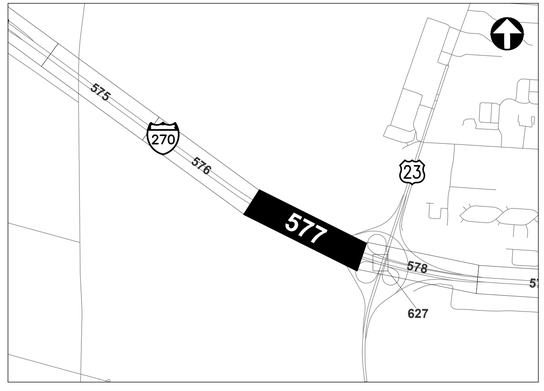
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I-270 BETWEEN STATION 2790+00 AND 2817+00

NOTES:

1. SEE SHEET 581 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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3150-E

HORIZONTAL SCALE IN FEET
0 100 200

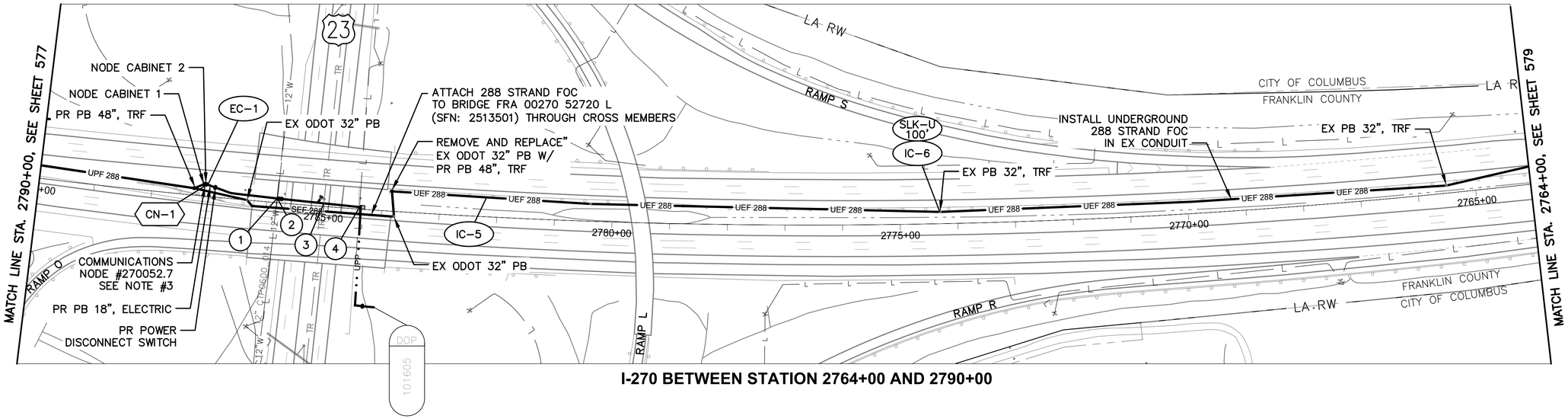
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PID NUMBER: 82573

INTERCONNECT PLAN
I–270 BETWEEN STA. 2790+00 AND 2817+00

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

577
1000

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I-270 BETWEEN STATION 2764+00 AND 2790+00

NOTES:

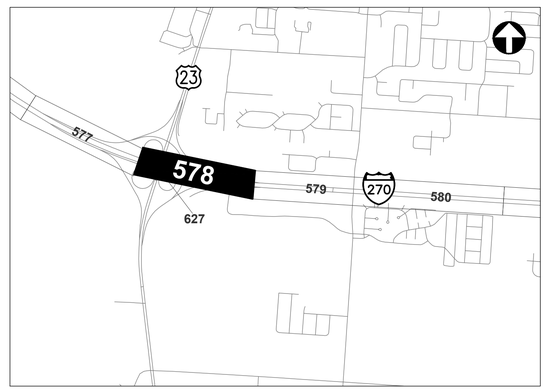
1. SEE SHEET 581 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. SEE SHEET 627 FOR NODE #270052.7 DETAIL AND POWER SERVICE PLAN.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

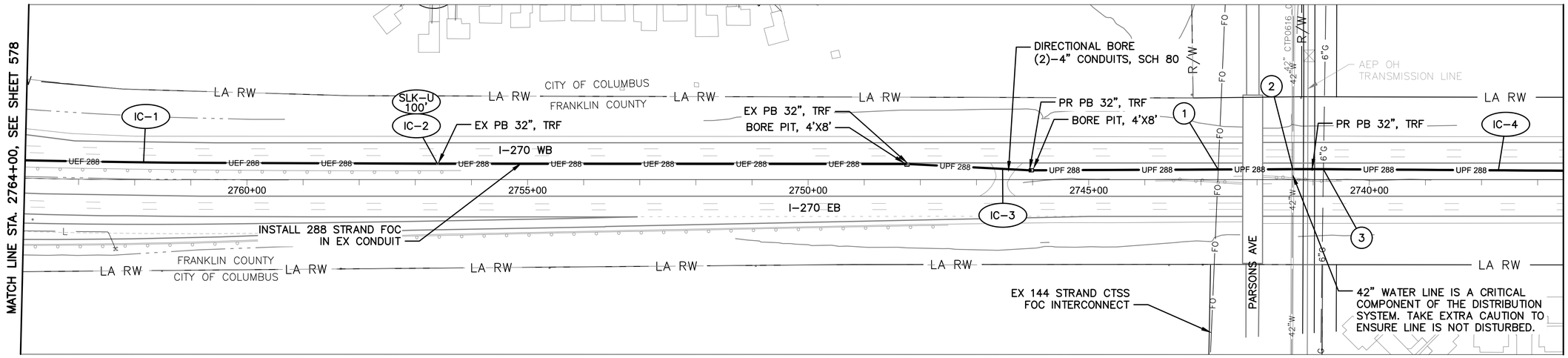
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PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2764+00 AND 2790+00

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

578
1000

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I-270 BETWEEN STATION 2736+50 AND 2764+00

NOTES:

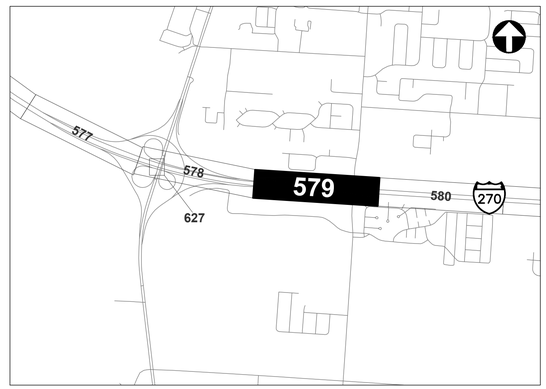
1. SEE SHEET 581 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 356.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 351 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

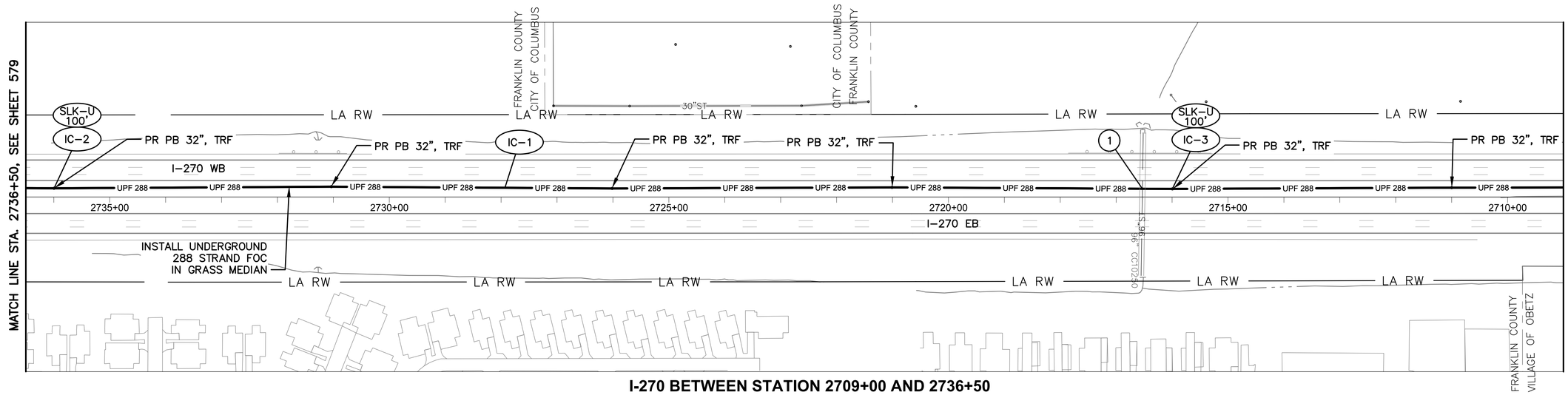
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2736+50 AND 2764+00

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

579
1000

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I-270 BETWEEN STATION 2709+00 AND 2736+50

NOTES:

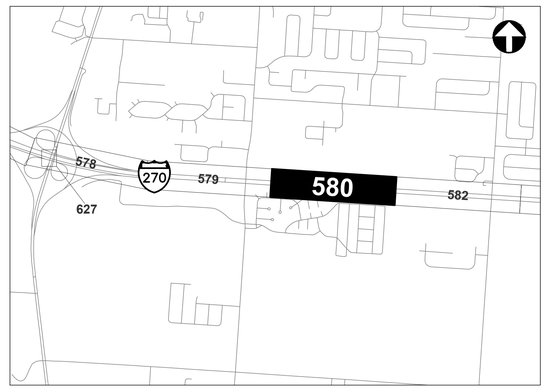
1. SEE SHEET 581 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2709+00 AND 2736+50

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

580
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_I-270-2_INTERCONNECT.dwg ~ I-270-12 layout ~ last saved by: jbeans 12/20/2019 10:54am ~ printed 03/19/2020 05:47pm

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	625 CONDUIT, 4", AS PER PLAN FT	625 CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN FT	625 CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE FT	625 PULL BOX, CONCRETE 32", AS PER PLAN EACH	625 PULL BOX, CONCRETE 48", AS PER PLAN EACH	625 TRENCH, 36" DEEP, AS PER PLAN FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND FT
I-270 BETWEEN STA. 2844+50 AND 2872+00											
575	IC-4	I-270	2844+50, 72' LT	2856+80, 84' LT	2,340			1		1,170	1,170
575	IC-5	I-270	2848+00, 72' LT					1			100
575	IC-3	I-270	2856+80, 84' LT	2858+72, 82' LT			518		2		259
575	IC-1	I-270	2858+72, 82' LT	2872+00, 86' LT	2,656			1		1,328	1,328
575	IC-2	I-270	2865+62, 83' LT					1			100
I-270 BETWEEN STA. 2817+00 AND 2844+50											
576	IC-6	I-270	2817+00, 105' RT	2818+67, 101' RT	330					165	165
576	IC-5	I-270	2818+67, 101' RT	2820+38, 81' LT		49		2			246
576	IC-4	I-270	2820+38, 81' LT	2820+00, 93' LT	1,15					577	
576	IC-3	I-270	2820+00, 93' LT	2833+61, 97' LT			1,5				76
576	IC-2	I-270	2833+61, 97' LT						1		100
576	IC-1	I-270	2833+61, 97' LT	2844+50, 72' LT	2,178			2		1,089	1,089
I-270 BETWEEN STA. 2790+00 AND 28 +00											
577	IC-4	I-270	2790+ 104' RT	2797+74, 90' RT						768	76
577	IC-5	I-270	2792+98, 103' RT					1			100
577	IC-3	I-270	2797+74, 90' RT	2798+08, 146' RT		130		2			65
577	IC-1	I-270	2798+08, 146' RT	2817+00, 105' RT	3,750			3		1,875	1,875
577	IC-2	I-270	28 +4 11'								0
I-270 BETWEEN STA. 2764+00 AND 2790+00											
578	IC-5	I-270	2764+00, 27' RT	2783+84, 34' RT	3,958			3		1,979	1,979
578	IC-6	I-270	2774+30, 34' RT					1			100
578	IC-4	I-270	2 4,	2 2, 35'			4		2		0
578	IC-3	I-270	2786+32, 5' RT	2786+94, 36' RT	12					62	62
578	IC-2	I-270	2786+94, 5' RT	2787+98, 100' RT		24		1	1		22
578	IC-1	I-270	2787+98, 100' RT	2790+00, 104' RT	398					199	199
I-270 BETWEEN STA. 2736+50 AND 2764+00											
579	IC-4	I-270	2736+ 0, 16' RT	2746+ 4, 17' RT	1,91			1		9	955
579	IC-3	I-270	2746+ 4, 17'	2746+ 7, 17' RT		10		2			75
579	IC-1	I-270	2746+ 7, 17' RT	2764+ 0, 27' RT	3,4					1,72	1,720
579	IC-2	I-270	2759+48, 21' RT					1			100
I-270 BETWEEN STA. 2709+00 AND 2736+50											
580	IC-1	I-270	2709+00, 17' RT	2736+50, 16' RT	5,500			4		2,750	2,750
580	IC-3	I-270	2715+99, 14' RT					1			100
580	IC-2	I-270	2735+99, 15' RT					1			100
SHEET TOTAL					29,274	1,018	2,550	32	7	14,637	17,320

-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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.

3150-E

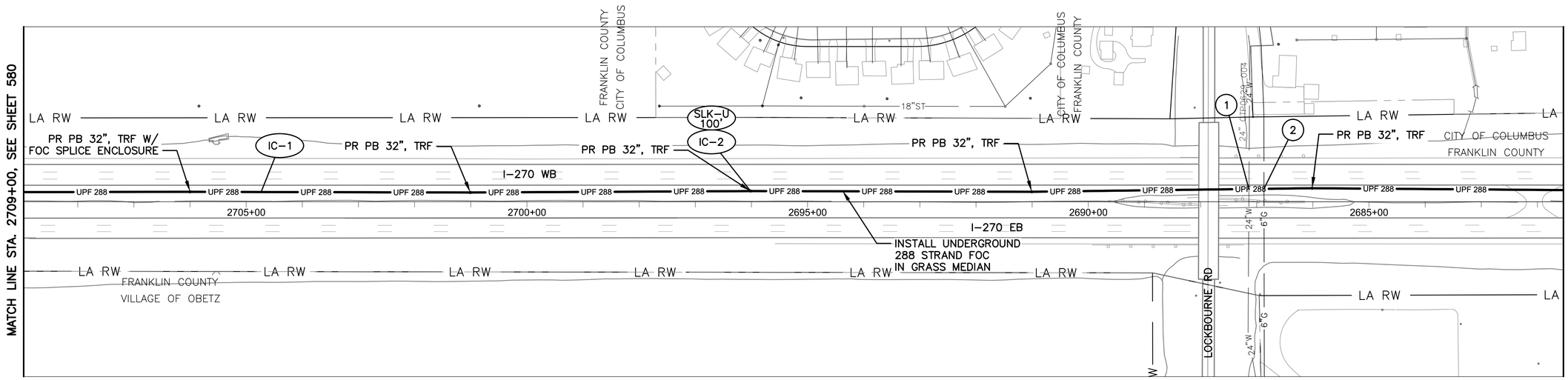
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PID NUMBER: 82573

I–270 BETWEEN STA. 2709+00 & 2872+00

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

581
1000

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I-270 BETWEEN STATION 2681+50 AND 2709+00

NOTES:

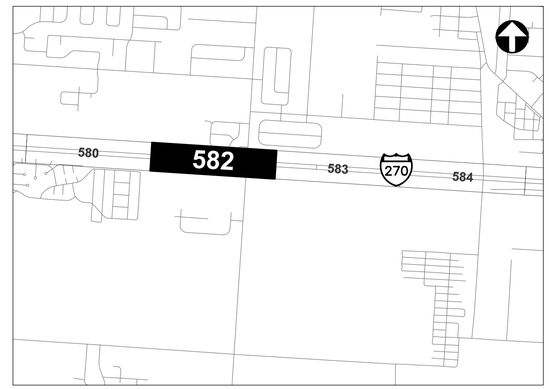
1. SEE SHEET 588 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

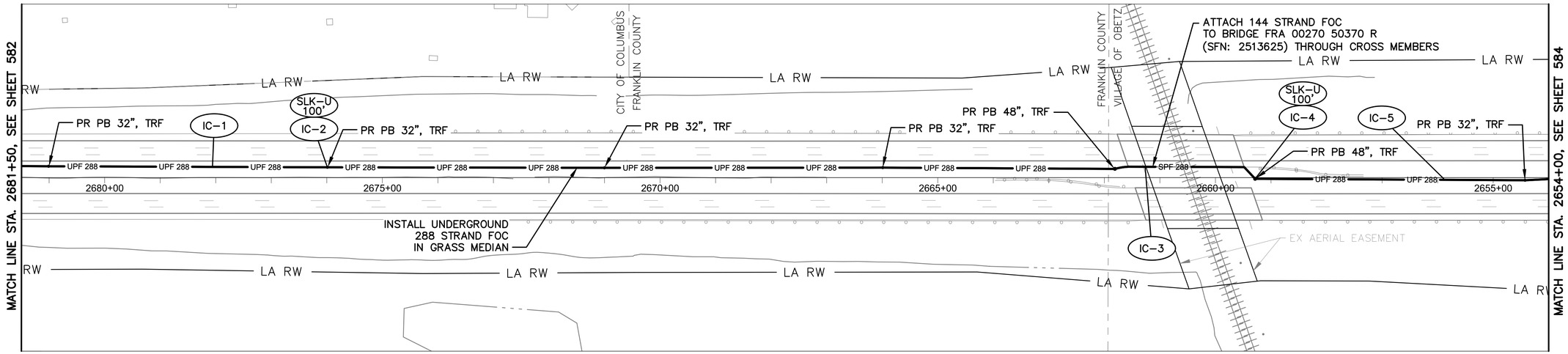
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PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2681+50 AND 2709+00

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

582
1000

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I-270 BETWEEN STATION 2654+00 AND 2681+50

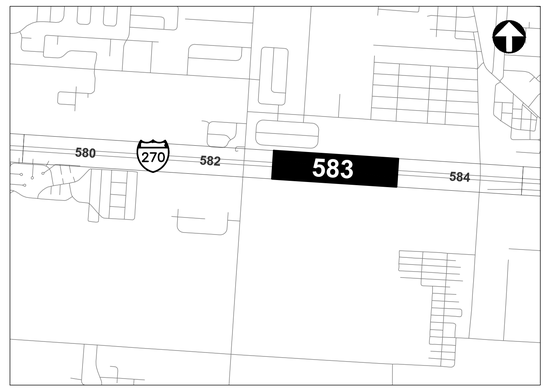
NOTES:

1. SEE SHEET 588 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 2660+71, 78' RT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

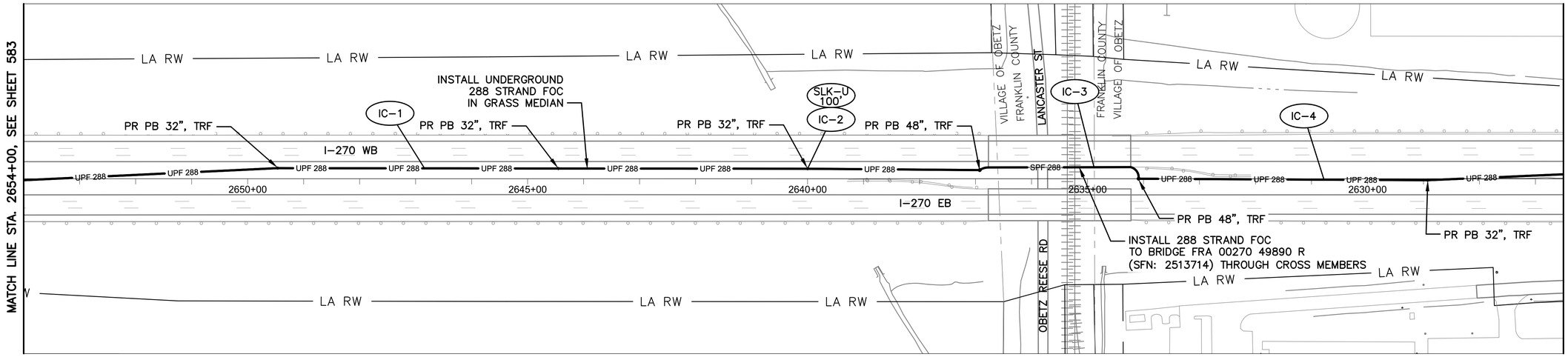
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PID NUMBER: 82573

INTERCONNECT PLAN
I–270 BETWEEN STA. 2654+00 AND 2681+50

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

583
1000

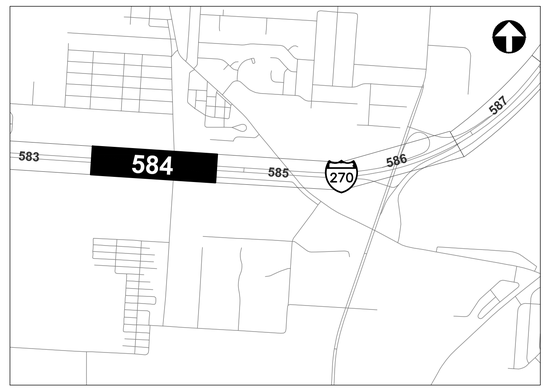
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I-270 BETWEEN STATION 2626+50 AND 2654+00

NOTES:

1. SEE SHEET 588 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 2635+29 78' RT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

HORIZONTAL SCALE IN FEET
0 100 200

CIP: 540007-100006
PID NUMBER: 82573

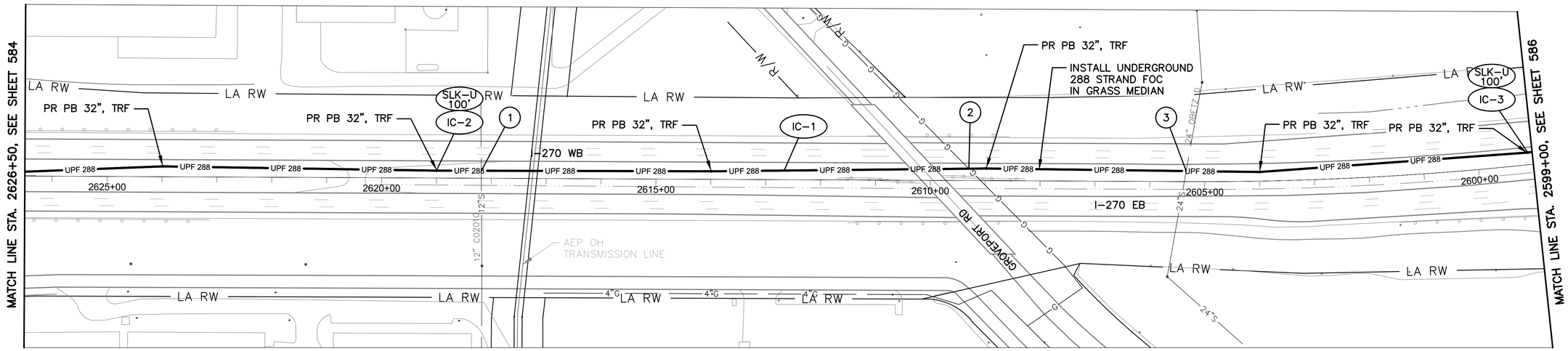
INTERCONNECT PLAN
I-270 BETWEEN STA. 2626+50 AND 2654+00

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

584
1000

3150-E

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_I-270-2_INTERCONNECT.dwg ~ I-270-15 layout ~ last saved by: jbeans 12/20/2019 10:54am ~ printed 03/19/2020 05:50pm



I-270 BETWEEN STATION 2599+00 AND 2626+50

NOTES:

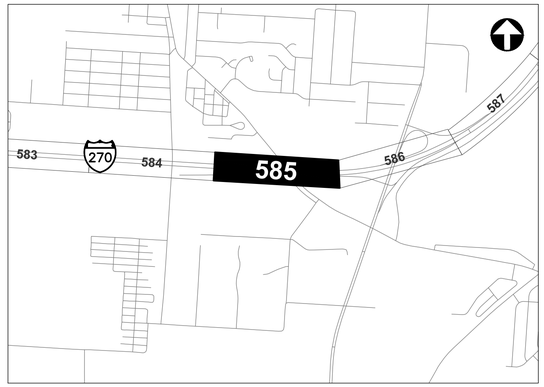
1. SEE SHEET 588 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

OHIO Utilities Protection SERVICE
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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- [x] SEWER
- [ ] WATER
- [ ] POWER
- [ ] LIGHTING



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

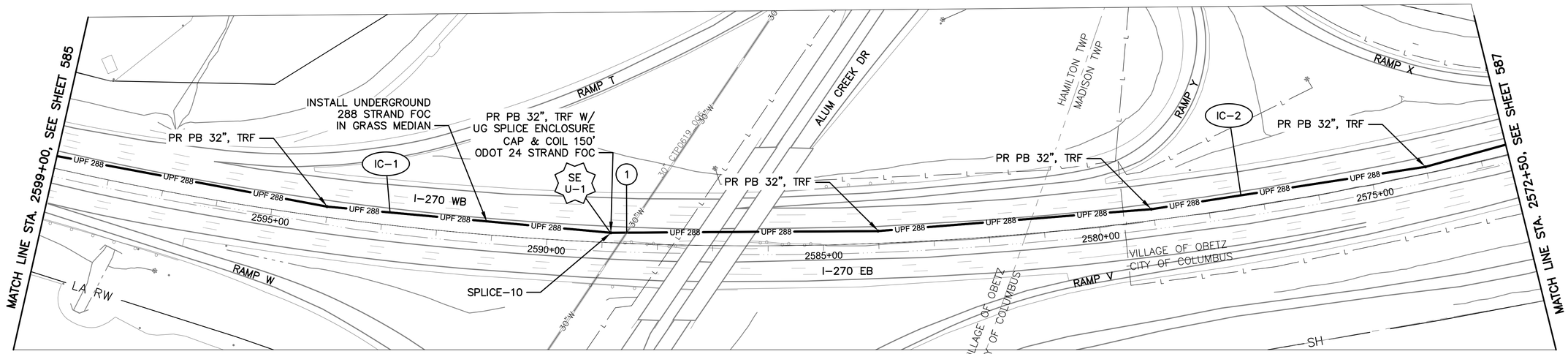
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2599+00 AND 2626+50

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

585
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_I-270-2_INTERCONNECT.dwg ~ I-270-16 layout ~ last saved by: jbeans 12/20/2019 10:54am ~ printed 03/19/2020 05:50pm



I-270 BETWEEN STATION 2572+50 AND 2599+00

NOTES:

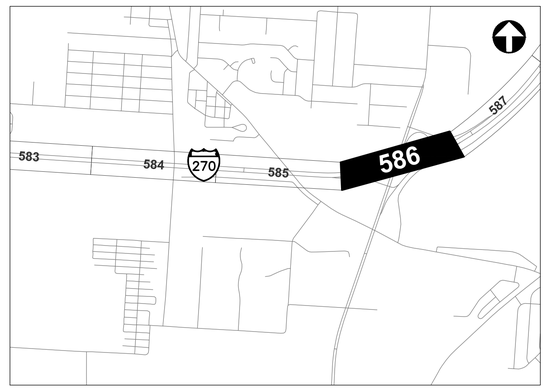
1. SEE SHEET 588 FOR QUANTITIES.
2. SEE SHEETS 682 & 959 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 356.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 351 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL
SCALE IN FEET
0 100 200

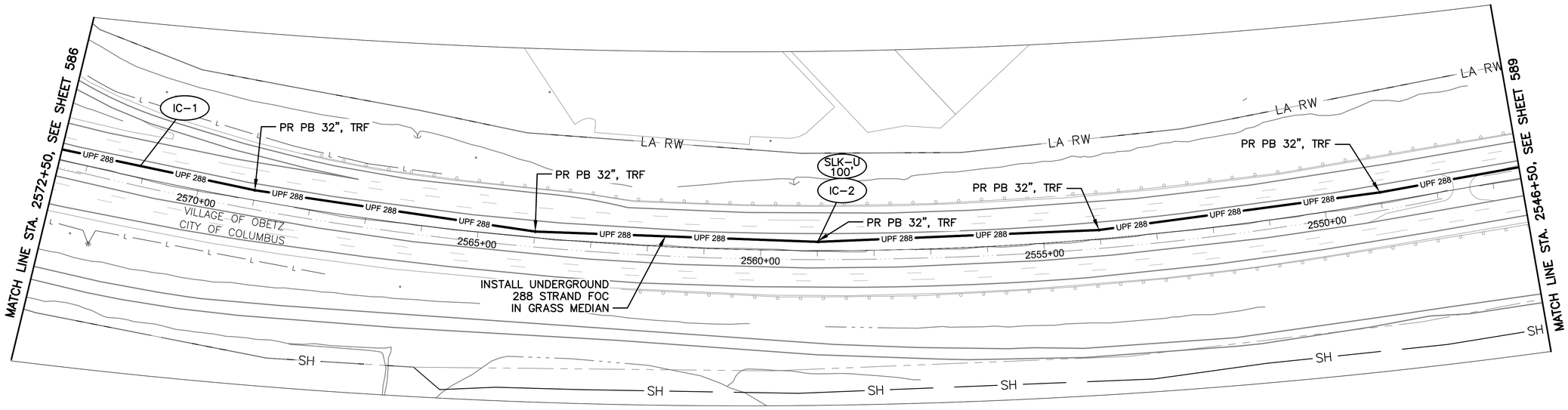
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PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2572+50 AND 2599+00

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

586
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_I-270-2_INTERCONNECT.dwg ~ I-270-17 layout ~ last saved by: jbeans 12/20/2019 10:54am ~ printed 03/19/2020 05:51pm



I-270 BETWEEN STATION 2546+50 AND 2572+50

NOTES:

1. SEE SHEET 588 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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3150-E

HORIZONTAL SCALE IN FEET
0 100 200

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
I–270 BETWEEN STA. 2546+50 AND 2572+50

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

587
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_I-270-2_INTERCONNECT.dwg ~ I-270-18 layout ~ last saved by: jbeans 12/20/2019 10:54am ~ printed 03/19/2020 05:51pm

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	625 CONDUIT, 4", AS PER PLAN (FT)	625 CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE (FT)	625 PULL BOX, CONCRETE 32", AS PER PLAN (EACH)	625 PULL BOX, CONCRETE 48", AS PER PLAN (EACH)	625 TRENCH, 36" DEEP, AS PER PLAN (FT)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND (FT)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND (FT)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE (EACH)	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE (EACH)
I-270 BETWEEN STA. 2681+50 AND 2709+00													
582	IC-1	I-270	2681+50, 21' RT	2709+00, 17' RT	5,500		4		2,750		2,750		
582	IC-2	I-270	2696+01, 19' RT				1				100		
I-270 BETWEEN STA. 2654+00 AND 2681+50													
583	IC-5	I-270	2654+00, 3' LT	2659+28, 2' LT	1,058		1		529		529		
583	IC-4	I-270	2659+28, 2' LT					1			100		
583	IC-3	I-270	2659+28, 2' LT	2661+81, 16' RT		524		1			262		
583	IC-1	I-270	2661+81, 16' RT	2681+50, 21' RT	3,938		3		1,969		1,969		
583	IC-2	I-270	2675+99, 18' RT				1				100		
I-270 BETWEEN STA. 2626+50 AND 2654+00													
584	IC-4	I-270	2626+ , 8' R	2634+ , 0' L	1,5		1		759		75		
584	IC-3	I-270	2634+ , 0' L	26 , 15' R		5		2					
584	IC-1	I-270	26 , 1 RT	265 , 3' L	3,4				1,		1,70		
584	IC-2	I-270	2639+99, 18' RT				1				100		
I-270 BETWEEN STA. 2599+00 AND 2													
585	IC-1	70	2599 , 22' RT	262 , 8' RT	5,		4		2,		2,7		
585	IC-3	70	2599 , 22' RT				1						
585	IC-2	I-270	2619+00, 13' RT				1				100		
I-270 BETWEEN STA. 2572+50 AND 2599+00, INT SPLICE-10													
586	IC-2	I-270	2 72+ 18'	288+15, RT	3,0		1		1,530		5		
586	SE U-1	I-270	2 38+ 5, 8' RT							150	4	24	1
586	IC-1	I-270	2 38+ 5, RT	25 +00, RT	2,0		1		1,011		1,011		
I-270 BETWEEN STA. 2546+50 AND 2572+50													
587	IC-1	I-270	25 50	25 18'	5,1								
587	IC-2	I-270	2558+98 5' RT				1				100		
SHEET TOTAL					31,196	1,120	30	4	15,598	150	16,958	24	1

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

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

3150-E

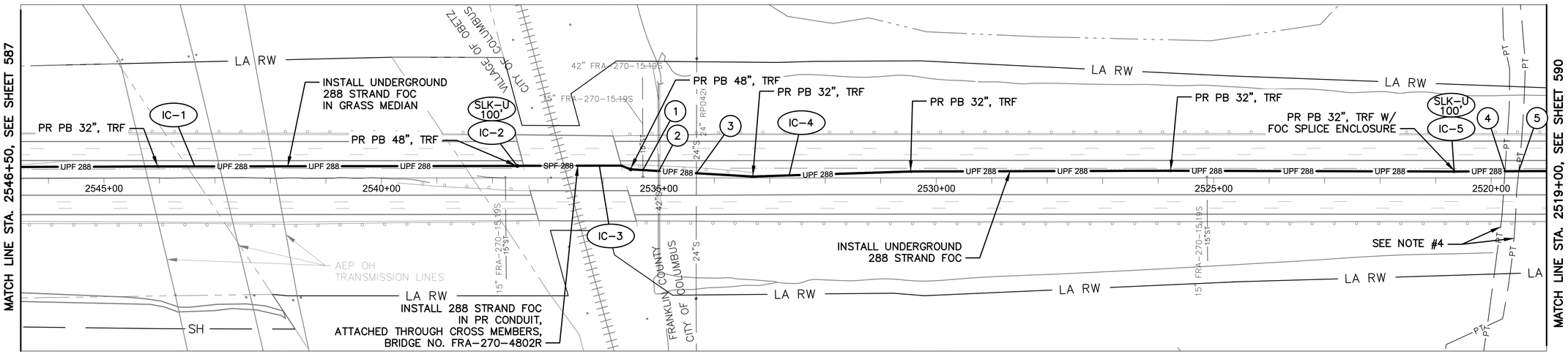
CIP: 540007–100006
PID NUMBER: 82573

I–270 BETWEEN STA. 2546+50 & 2709+00

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

588
1000

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I-270 BETWEEN STATION 2519+00 AND 2546+50

NOTES:

1. SEE SHEET 596 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 2536+86, 77' RT. SEE SHEET 20 FOR RAILROAD COORDINATION DETAILS.
4. LOCATION IS APPROXIMATE. SUBMIT OUPS TICKET – COLUMBIA PIPELINE PERSONNEL WILL RESPOND TO MARK PIPELINE AND/OR MEET CONTRACTOR AT SITE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

- [X] SEWER
- [ ] WATER
- [ ] POWER
- [ ] LIGHTING



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

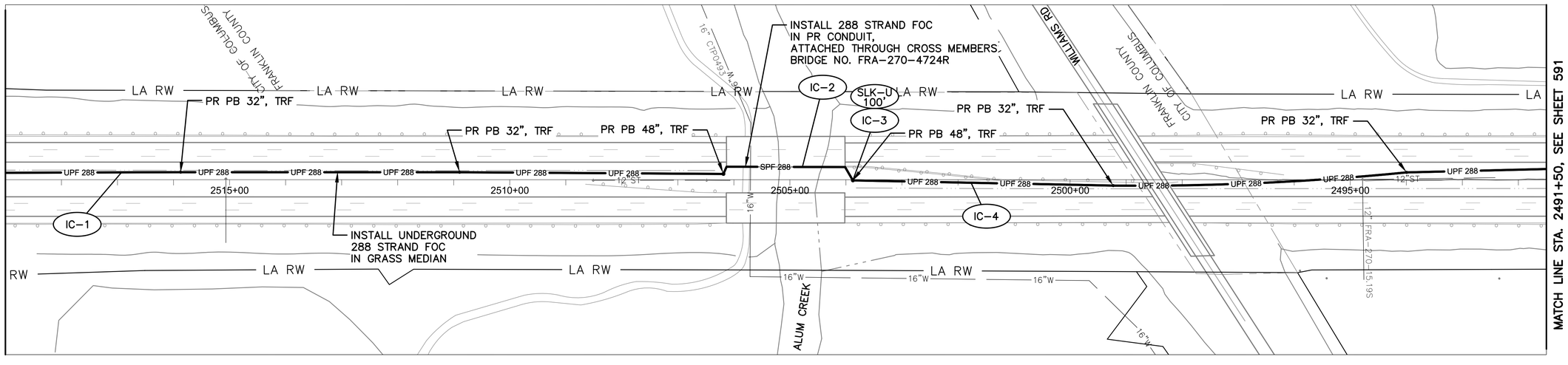
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2519+00 AND 2546+50

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

589
1000

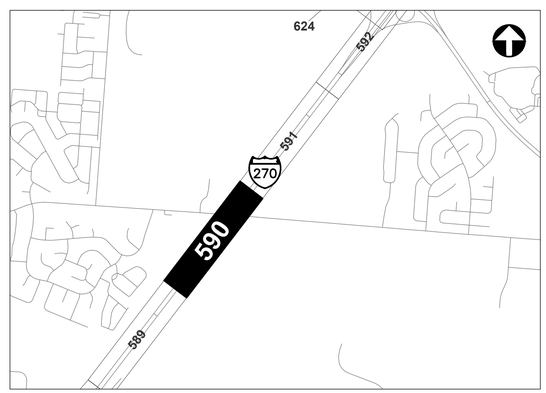
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I-270 BETWEEN STATION 2491+50 AND 2519+00

NOTES:

1. SEE SHEET 596 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. SEE SHEET 45 FOR BRIDGE ATTACHMENT DETAILS.



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

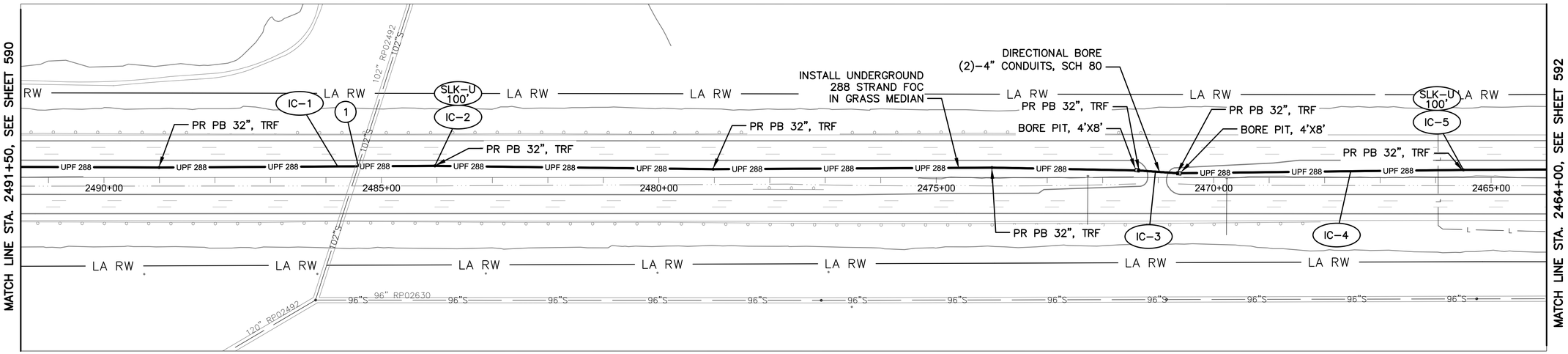
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PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2491+50 AND 2519+00

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

590
1000

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I-270 BETWEEN STATION 2464+00 AND 2491+50

NOTES:

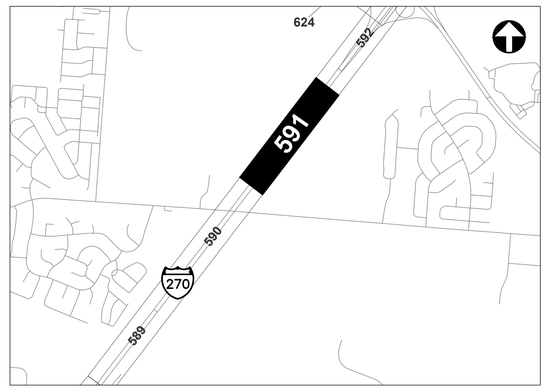
1. SEE SHEET 596 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

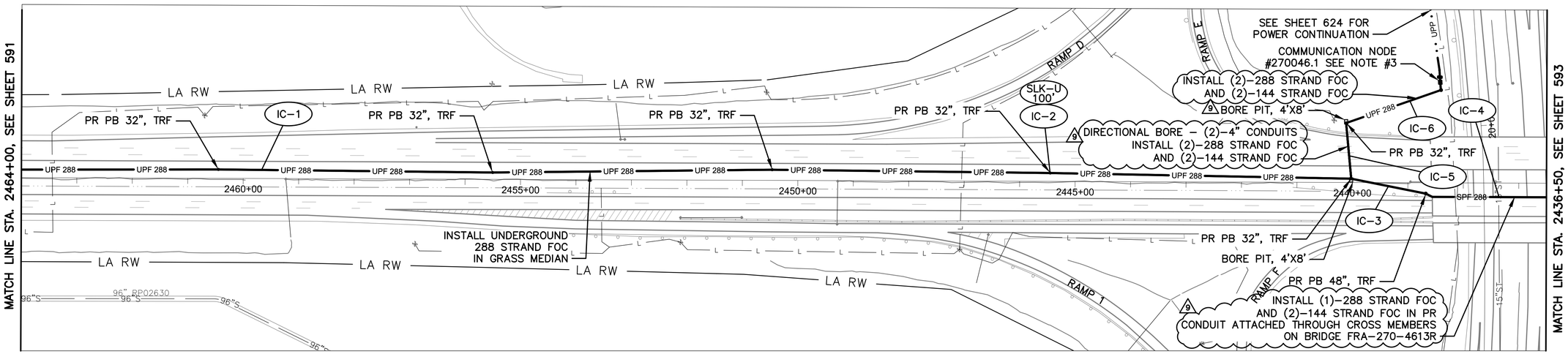
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2464+00 AND 2491+50

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

591
1000

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I-270 BETWEEN STATION 2436+50 AND 2464+00

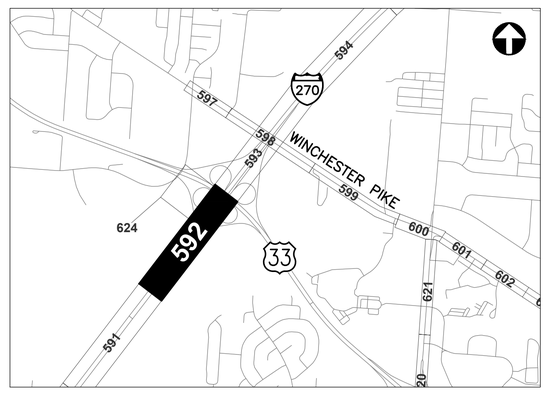
NOTES:

1. SEE SHEET 596 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. SEE SHEET 624 FOR NODE #270046.1 DETAIL.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

9 REVISION 9.0
12-17-2018

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

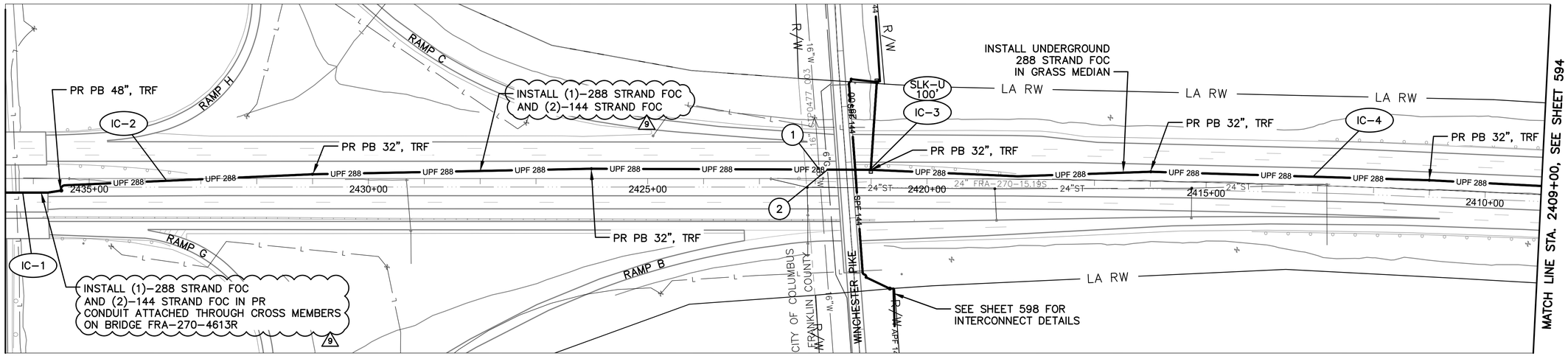
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PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2436+50 AND 2464+00

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

592
1000

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I-270 BETWEEN STATION 2409+00 AND 2436+50

NOTES:

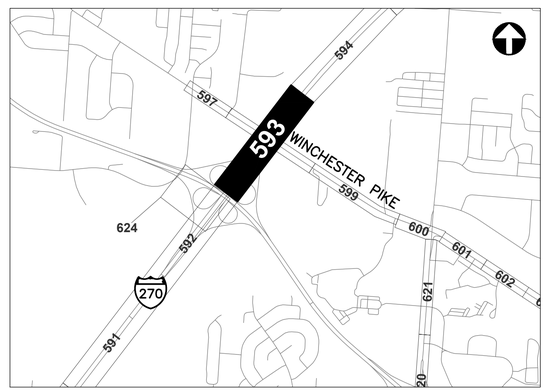
1. SEE SHEET 596 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 356.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 350 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

9 REVISION 9.0
12-17-2018

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

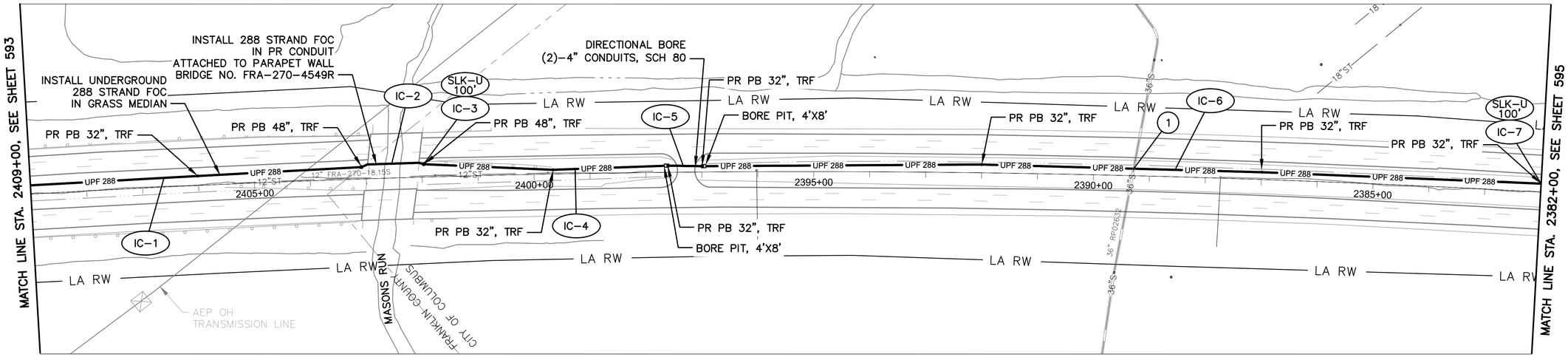
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PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2409+00 AND 2436+50

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

593
1000

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I-270 BETWEEN STATION 2382+00 AND 2409+00

NOTES:

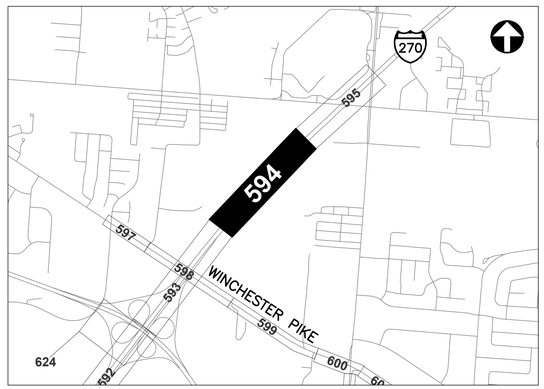
1. SEE SHEET 596 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. SEE SHEET 46 FOR BRIDGE ATTACHMENT DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 100 200

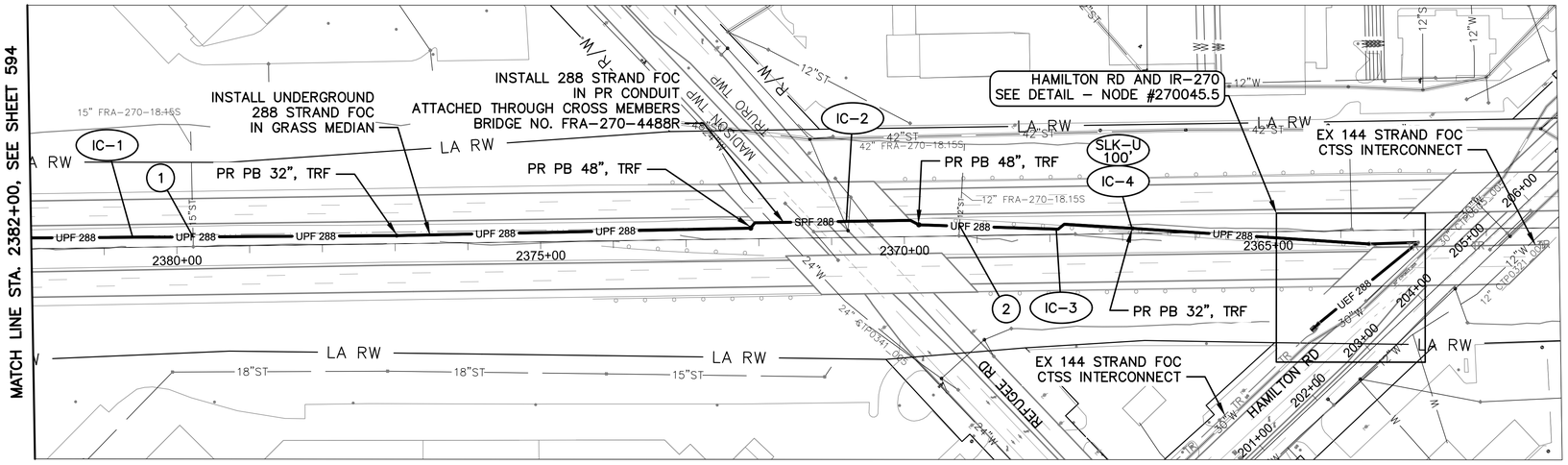
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2382+00 AND 2409+00

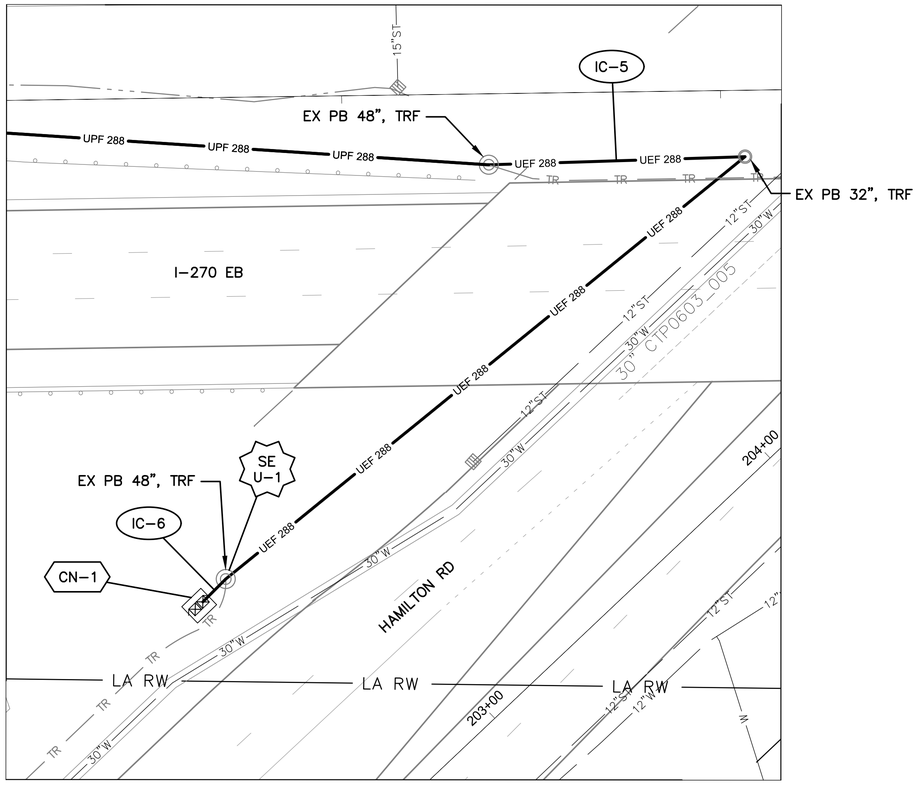
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

594
1000

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I-270 BETWEEN STATION 2361+00 AND 2382+00



COMMUNICATION DETAIL
NODE #270045.5

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

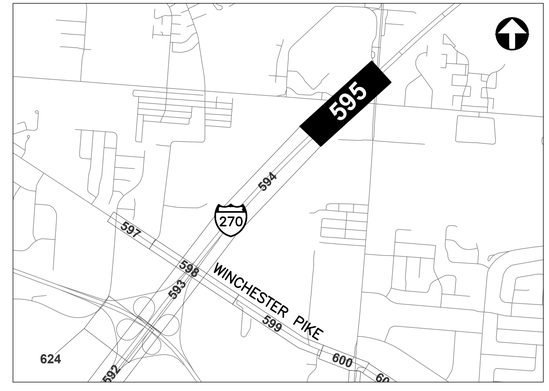
1. SEE SHEET 596 FOR QUANTITIES.
2. SEE SHEETS 682, 986, & 987 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

- [X] SEWER
- [X] WATER
- [ ] POWER
- [ ] LIGHTING



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 100 200
HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
I-270 BETWEEN STA. 2361+00 AND 2382+00

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

595
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN FT	625 CONDUIT, 4", AS PER PLAN FT	625 CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN FT	625 CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE FT	625 PULL BOX, CONCRETE 32", AS PER PLAN EACH	625 PULL BOX, CONCRETE 48", AS PER PLAN EACH	625 TRENCH, 36" DEEP, AS PER PLAN FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT EACH	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE EACH	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH
I-270 BETWEEN STA. 2519+00 AND 2546+50																	
589	IC-4	I-270	2519+00, 12' RT	2535+50, 15' RT		3,304			4		1,652		1,652				
589	IC-5	I-270	2520+66, 12' RT										100				
589	IC-3	I-270	2535+50, 15' RT	2537+55, 21' RT				410		1			205				
589	IC-2	I-270	2537+55, 21' RT							1			100				
589	IC-1	I-270	2537+55, 21' RT	2546+50, 20' RT		1,788			1		894		894				
I-270 BETWEEN STA. 2491+50 AND 2519+00																	
590	IC-4	I-270	2491+50, 19' RT	2503+90, 18' RT		2,482			2		1,241		1,241				
590	IC-3	I-270	2503+88, 1' LT							1			100				
590	IC-2	I-270	2503+88, [illegible] RT	2504+[illegible]				108					25				
590	IC-1	I-270	2504+18, [illegible] RT	2504+00, [illegible] RT		562			2		287		1,28				
I-270 BETWEEN STA. 2464+00 AND 2491+50																	
591	IC-4	I-270	2464+00, 14' RT	2470+64, 8' RT		1,330					665		665				
591	IC-5	I-270	2465+49, 14' RT						1				100				
591	IC-3	I-270	2470+64, 8' RT	2471+[illegible] RT				1[illegible]					[illegible]1				
591	IC-1	I-270	2471+35, 1[illegible] RT	2[illegible] RT		1,030					2,015		2,5				
591	IC-2	I-270	2471+03, 21' LT	2[illegible]									00				
I-270 BETWEEN STA. 2436+50 AND 2464+00																	
592	IC-4	I-270	2[illegible]+50, [illegible] LT	24[illegible]				43		1	19		219				
592	IC-6	I-270	24[illegible]31, [illegible] RT	2440+[illegible] 107' RT		2					181		81				
592	IC-3	I-270	24[illegible]8, 20' LT	2440+[illegible]2, 7' RT		2[illegible]					137		37				
592	IC-5	I-270	2440+02, 7' RT	2440+12, 107' RT			202		2			101	202				
592	IC-1	I-270	2440+02, 7' RT	2464+00, 14' RT		4,794			3		2,397		2,397				
592	IC-2	I-270	2445+45, 15' RT						1				100				
I-270 BETWEEN STA[illegible] AND [illegible]50																	
593	IC[illegible]	I-270	2409[illegible] RT	2421+00[illegible] RT		404			2		1,202		1,20				
593	IC-2	I-270	2421+00, 16' RT	2435+49, 22' LT		2,914			2		1,457	1,457	1,457				
593	IC-3	I-270	2421+00, 16' RT						1				100				
593	IC-1	I-270	[illegible], 22' LT	25[illegible]								00	1				
I-270 BETWEEN STA. 2382+00 AND 2409+00																	
594	IC-7	I-270	2382+00, 15' RT						1				100				
594	IC-6	I-270	2382+00, 15' RT	2396+98, 10' RT		3,000			2		1,500		1,500				
594	IC-5	I-270	2396+98, 10' RT	2397+60, 12' RT			124		2				62				
594	IC-4	I-270	2397+60, 12' RT	2401+96, 23' RT		874			1		437		437				
594	IC-3	I-270	2401+96, 23' RT							1			100				
594	IC-2	I-270	2401+96, 23' RT	2403+07, 21' RT				226		1			113				
594	IC-1	I-270	2403+07, 21' RT	2409+00, 16' RT		1,186			1		593		593				
I-270 BETWEEN STA. 2361+00 AND 2382+00, NODE 270045.5																	
595	IC-5	I-270	2363+61, 19' LT	2364+32, 127' LT	245								245				
595	IC-3	I-270	2363+61, 19' LT	2369+79, 16' RT		1,240					620		620				
595	SE U-1	I-270	2364+32, 127' LT										75	408		1	
595	IC-6	I-270	2364+32, 127' LT	2364+39, 134' LT											2		1
595	CN-1	I-270	2364+39, 134' LT														
595	IC-4	I-270	2366+86, 7' RT						1				100				
595	IC-2	I-270	2369+79, 16' RT	2372+11, 15' RT				472		2			236				
595	IC-1	I-270	2372+11, 15' RT	2382+00, 15' RT		1,978			1		989		989				
SHEET TOTAL					245	34,522	468	2,254	36	10	17,261	2,195	20,224	408	2	1	1

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

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

3150-E

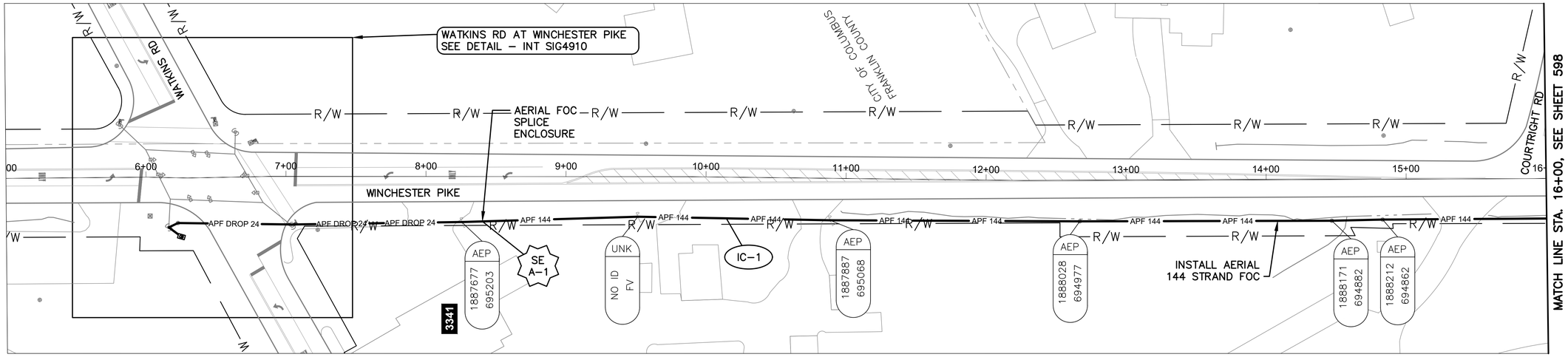
CIP: 540007–100006
PID NUMBER: 82573

I–270 BETWEEN STA. 2361+00 & 2546+50

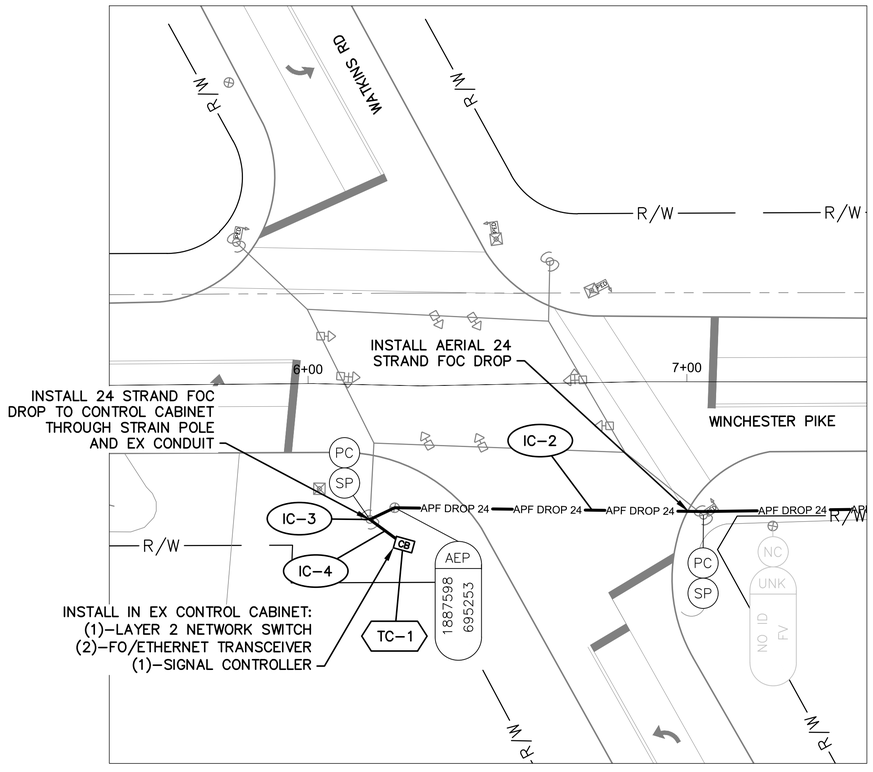
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

596
1000

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WINCHESTER PIKE BETWEEN STATION 5+00 AND 16+00



DETAIL - INT SIG4910

0 20 40
HORIZONTAL SCALE IN FEET

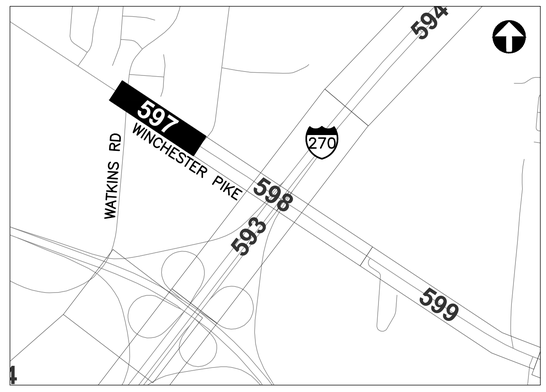
NOTES:

1. SEE SHEET 604 FOR QUANTITIES.
2. SEE SHEETS 682 & 922 FOR COMMUNICATION DETAILS.
3. 150' ADDITIONAL SLACK QUANTIFIED AT SPLICE LOCATION FOR FUTURE DoT USE.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL SCALE IN FEET

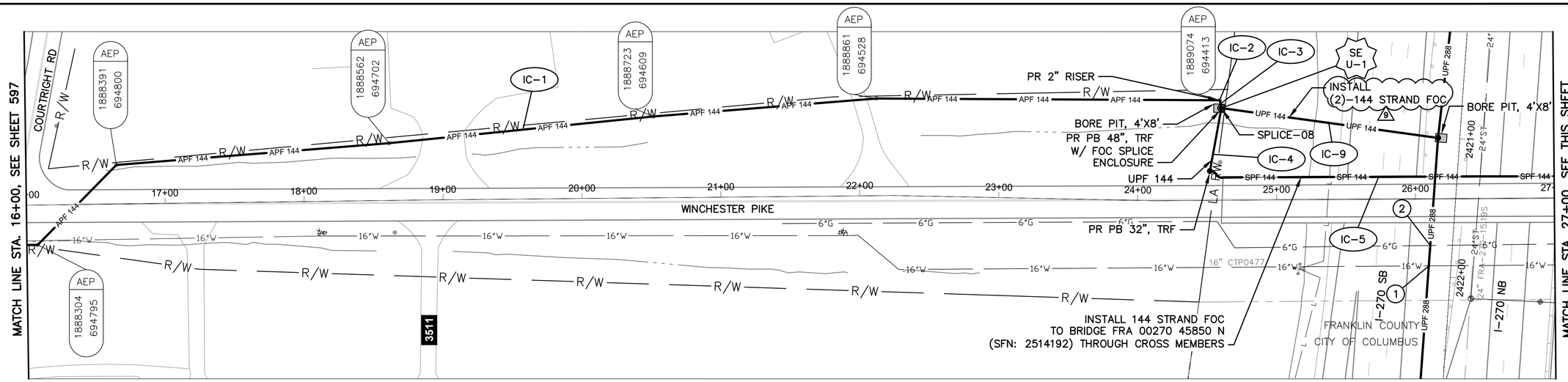
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 5+00 AND 16+00, INT SIG4910

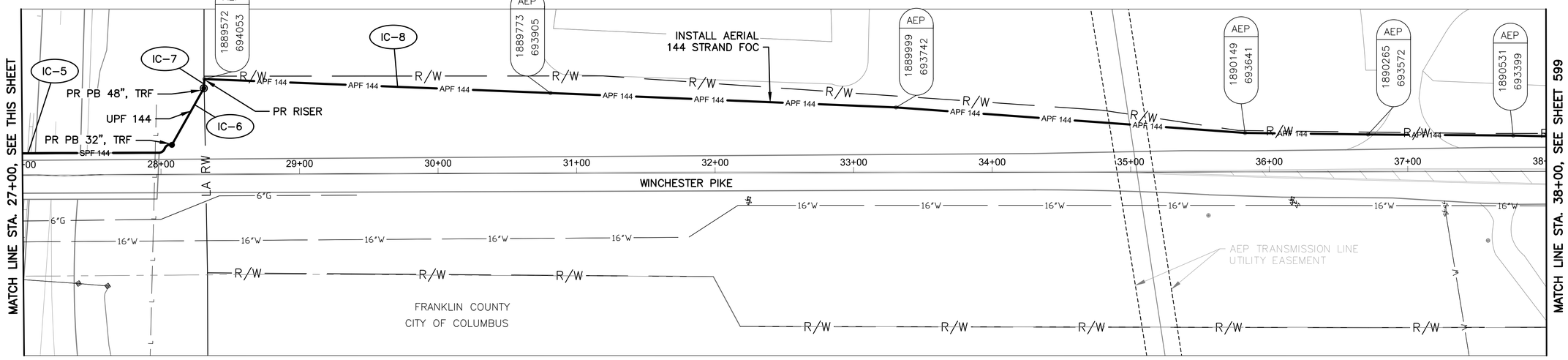
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

597
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_WINCHESTER_INTERCONNECT1.dwg – WINCHESTER–1 layout ~ last saved by: jbeans 02/01/2019 11:16am ~ printed 03/19/2020 05:58pm



WINCHESTER PIKE BETWEEN STATION 16+00 AND 27+00



WINCHESTER PIKE BETWEEN STATION 27+00 AND 38+00

NOTES:

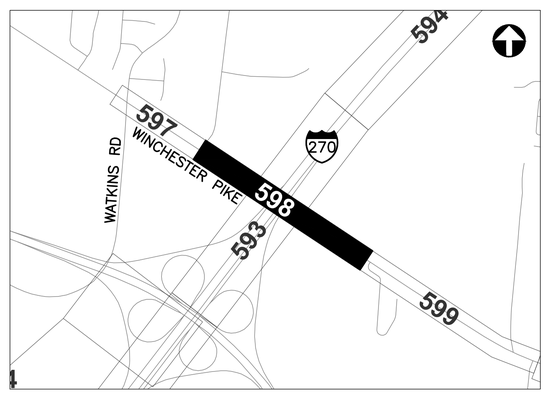
1. SEE SHEET 604 FOR QUANTITIES.
2. SEE SHEETS 682 & 923 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

9 REVISION 9.0
12-17-2018

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

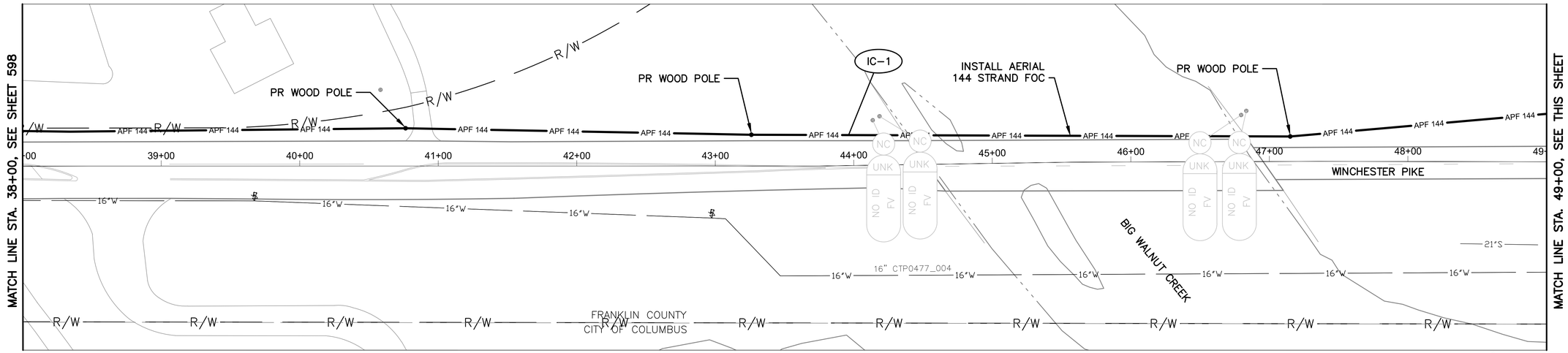
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PID NUMBER: 82573

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 16+00 AND 38+00

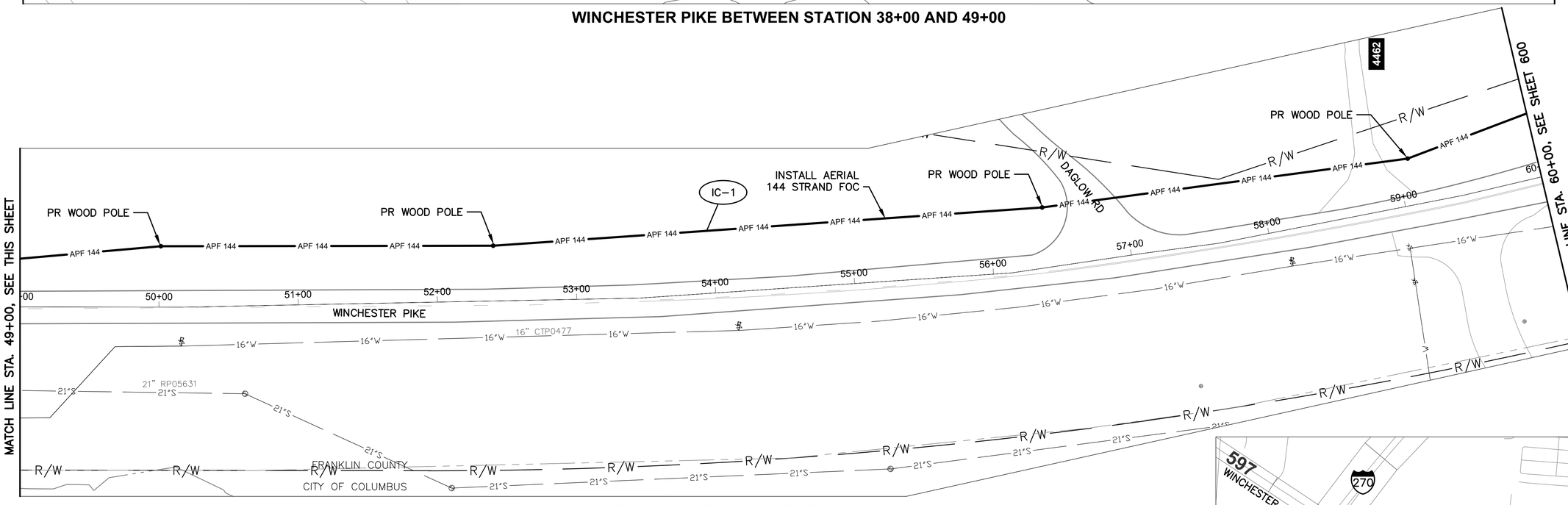
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

598
1000

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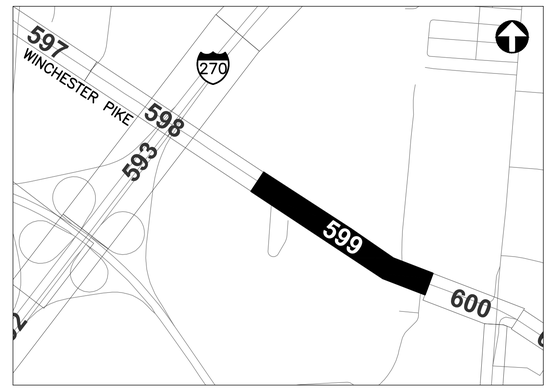
WINCHESTER PIKE BETWEEN STATION 38+00 AND 49+00



WINCHESTER PIKE BETWEEN STATION 49+00 AND 60+00

NOTES:

1. SEE SHEET 604 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

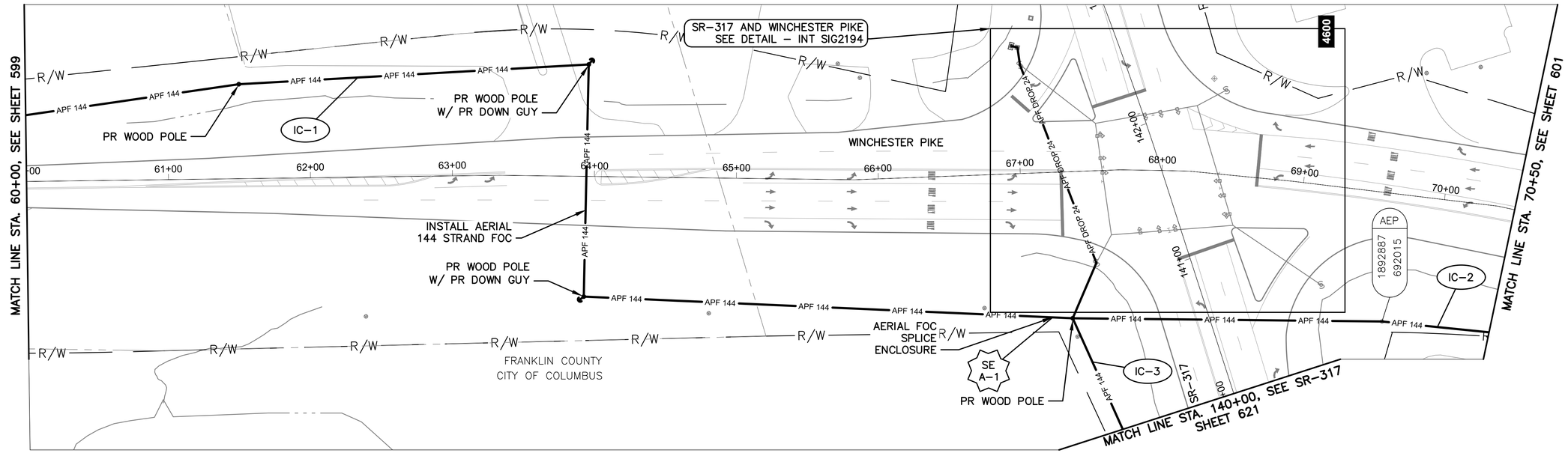
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 38+00 AND 60+00

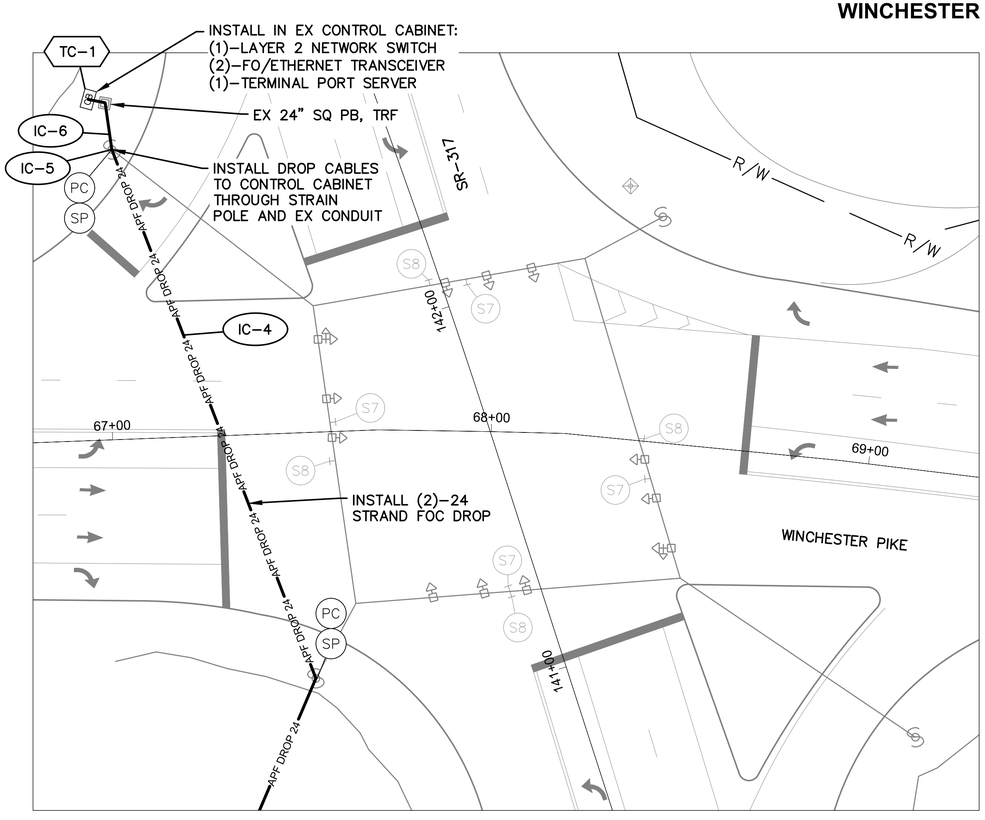
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

599
1000

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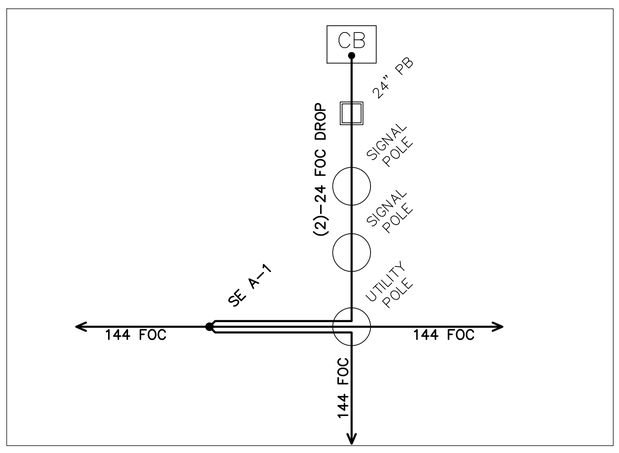


WINCHESTER PIKE BETWEEN STATION 60+00 AND 70+50



DETAIL - INT 2194

0 20 40
HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 2194
NOT TO SCALE

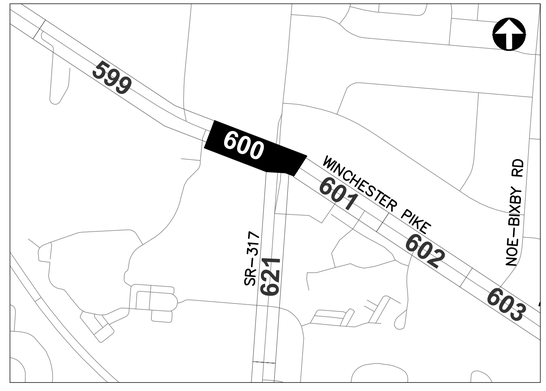
NOTES:

1. SEE SHEET 604 FOR QUANTITIES.
2. SEE SHEETS 682 & 924 FOR COMMUNICATION DETAILS.
3. FOR THE SPLICE ENCLOSURE AT INT 2194, PROVIDE 75' OF SLACK FROM ALL THREE DIRECTIONS FOR THE 225' TOTAL.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

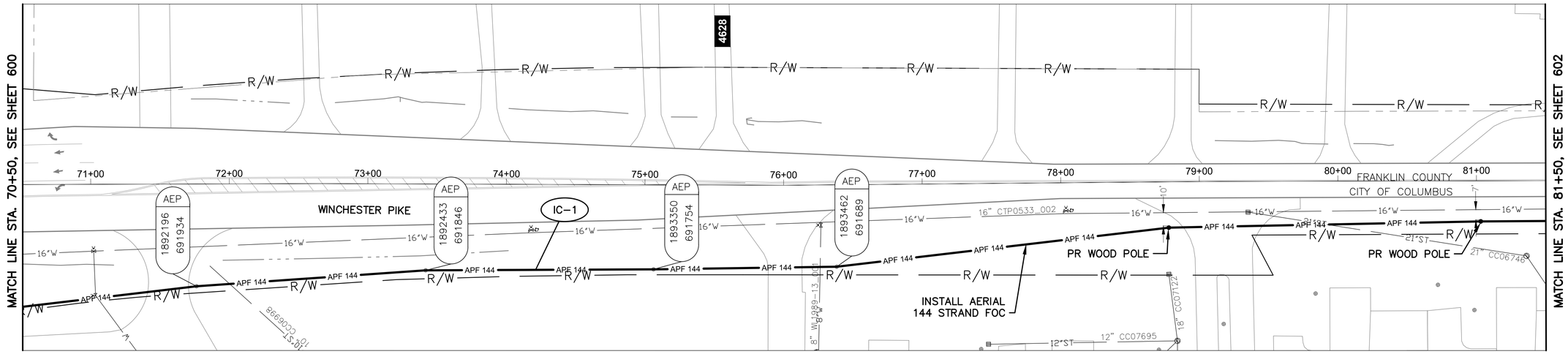
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 60+00 AND 70+50, INT 2194

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

600
1000

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WINCHESTER PIKE BETWEEN STATION 70+50 AND 81+50

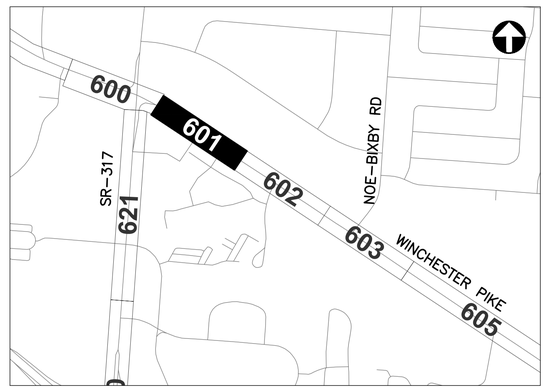
NOTES:

1. SEE SHEET 604 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

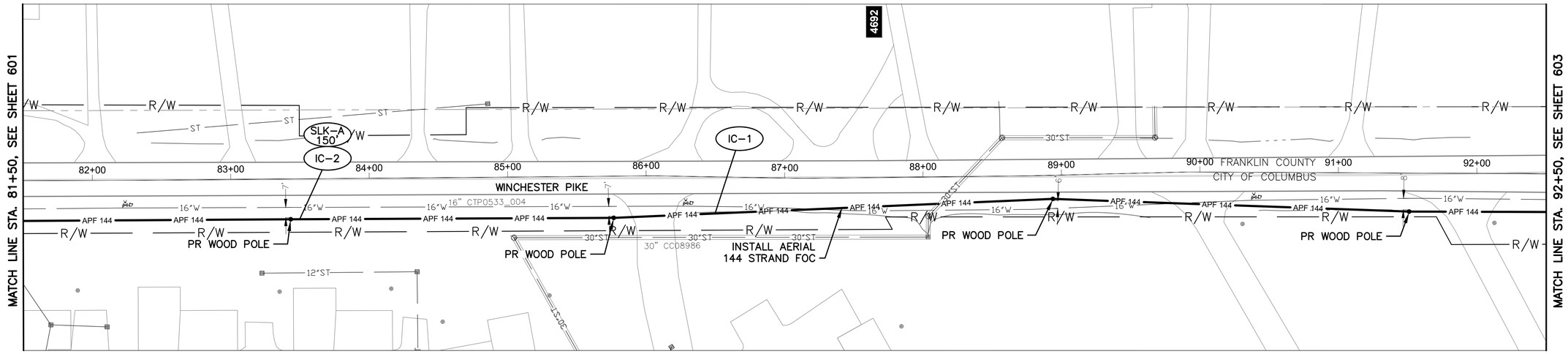
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 70+50 AND 81+50

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

601
1000

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WINCHESTER PIKE BETWEEN STATION 81+50 AND 92+50

NOTES:

1. SEE SHEET 604 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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3150-E

HORIZONTAL SCALE IN FEET
0 40 80

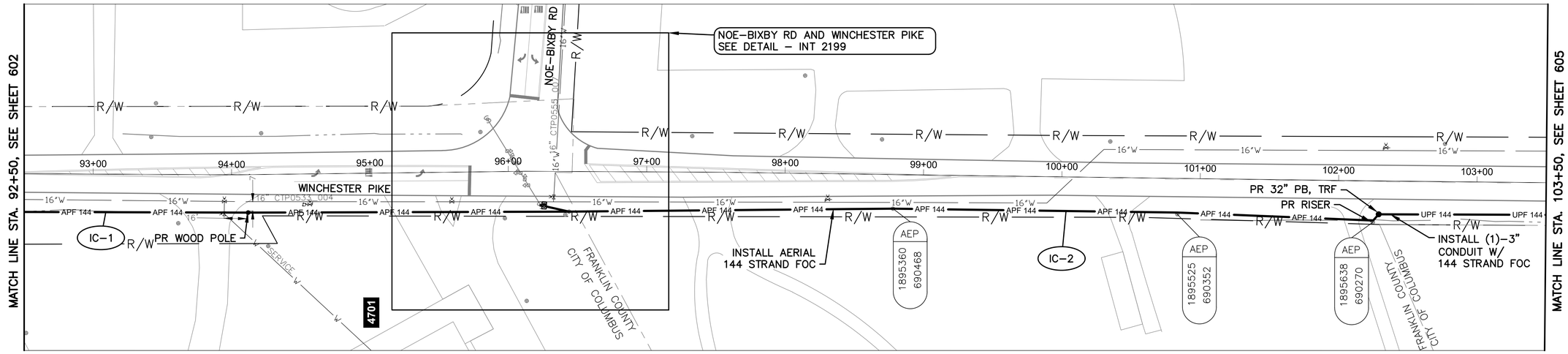
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 81+50 AND 92+50

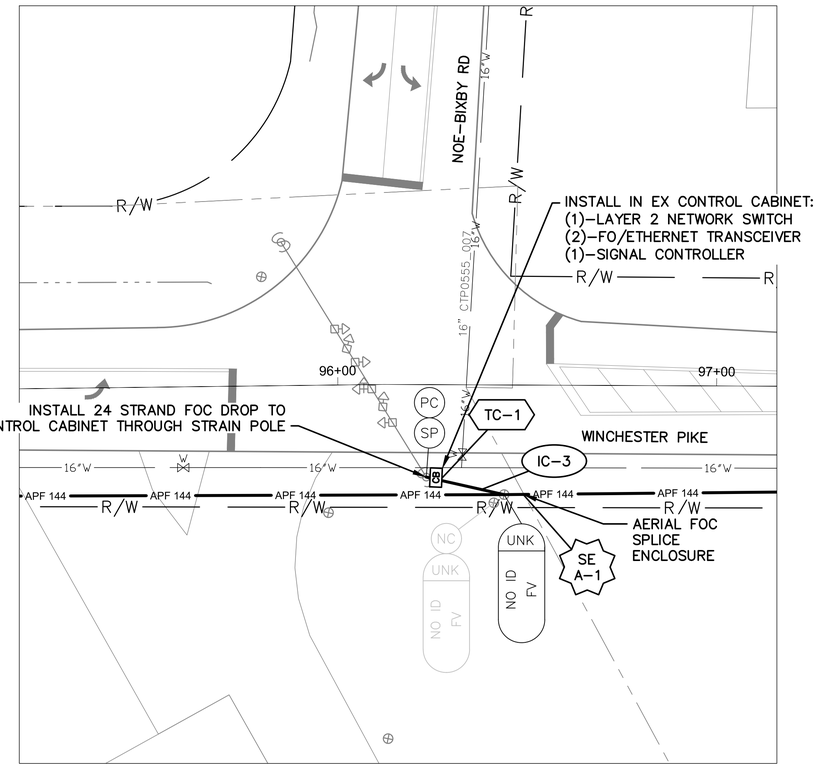
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

602
1000

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WINCHESTER PIKE BETWEEN STATION 92+50 AND 103+50



DETAIL - INT 2199

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 604 FOR QUANTITIES.
2. SEE SHEETS 682 & 926 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 350 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 92+50 AND 103+50, INT 2199

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

603
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN FT	625 CONDUIT, 3", AS PER PLAN FT	625 CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN FT	625 CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE FT	625 PULL BOX, CONCRETE 32", AS PER PLAN EACH	625 PULL BOX, CONCRETE 48", AS PER PLAN EACH	625 TRENCH, 36" DEEP, AS PER PLAN FT	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 DOWN GUY EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 200FT DROP CABLE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 450FT DROP CABLE EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	632 WOOD POLE, CLASS 5, 35 FT EACH	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH EACH	633 CONTROLLER ITEM, MISC.: TERMINAL PORT SERVER EACH	633 CONTROLLER UNIT, SIGNAL CONTROLLER, TYPE TS2/A2, AS PER PLAN EACH
WINCHESTER PIKE BETWEEN STA. 5+00 AND 16+00, INT SIG4910																								
597	IC-4	WINCHESTER PIKE	6+17, 36' RT	6+26, 42' RT	11																			
597	IC-2	WINCHESTER PIKE	6+17, 36' RT	8+25, 32' RT																223				
597	IC-3	WINCHESTER PIKE	6+26, 42' RT	7+18, 29' LT														1						
597	TC-1	WINCHESTER PIKE	6+26, 42' RT																			2	1		1
597	SE A-1	WINCHESTER PIKE	7+18, 29' LT											225	24	1								
597	IC-1	WINCHESTER PIKE	7+18, 29' LT	16+00, 18' LT										896					896	4				
WINCHESTER PIKE BETWEEN STA. 16+00 AND 38+00, INT SPLICE-08																								
598	IC-1	WINCHESTER PIKE	16+00, 18' LT	24+59, 72' LT										877					877	3				
598	IC-4	WINCHESTER PIKE	24+52, 21' LT	24+61, 66' LT		46								46										
598	IC-5	WINCHESTER PIKE	24+52, 21' LT	28+07, 41' LT				360						360										
598	IC-2	WINCHESTER PIKE	24+59, 72' LT									1		35										
598	IC-3	WINCHESTER PIKE	24+59, 72' LT	24+61, 66' LT		6					6			6										
598	SE U-1	WINCHESTER PIKE	24+61, 66' LT							1				225	210	1								
598	IC-9	WINCHESTER PIKE	24+61, 66' LT	26+17, 44' LT			157							157										
598	IC-6	WINCHESTER PIKE	28+07, 2[illegible] LT	28+[illegible] LT		108			1	1	5			54										
598	IC-7	WINCHESTER PIKE	28+36, [illegible] LT											35						1				
598	IC-8	WINCHESTER PIKE	64	38+00, 2[illegible] LT										979										
WINCHESTER PIKE BETWEEN STA. 38+00 AND 60+00																								
599	IC-1	WINCHESTER PIKE	38+00, [illegible] LT	60+[illegible], 47'										2[illegible]					2,2[illegible]	6				
WINCHESTER PIKE BETWEEN STA. 60+[illegible] AND 70+50, INT 2194																								
600	IC-1	WINCHESTER PIKE	60+00, 47' LT	67+36, 116' RT									2	921					921	3				
600	TC-1	WINCHESTER PIKE	66+97, 90' LT																		2	1	1	
600	IC-6	WINCHESTER PIKE	66+97, 90' LT	67+02, 77' LT	17																			
600	IC-5	WINCHESTER PIKE	66+01, 9[illegible] RT	67+[illegible] 103' R														2						
600	IC-4	WINCHESTER PIKE	66+02, 77' LT	67+[illegible] 103' R																[illegible]				
600	SE A-1	WINCHESTER PIKE	67[illegible] 103' RT											2[illegible]	4	1				1				
600	IC-3	WINCHESTER PIKE	67+33, 103' RT	67+56, 185' RT										73					73					
600	IC-2	WINCHESTER PIKE	67+33, 103' RT	70+50, 88' RT										294					294					
WINCHESTER PIKE BETWEEN STA. 70+50 AND 81+50																								
601	IC-1	WINCHESTER PIKE	70+[illegible] 88' RT	81+[illegible] 29' RT										1,119					1,119	2				
WINCHESTER PIKE BETWEEN STA. 81+50 AND 92+50																								
602	IC-1	WINCHESTER PIKE	81+50, 29' RT	92+50, 24' RT										1,117					1,117	4				
602	IC-2	WINCHESTER PIKE	83+50, 28' RT											150										
WINCHESTER PIKE BETWEEN STA. 92+50 AND 103+50, INT 2199																								
603	IC-1	WINCHESTER PIKE	92+50, 24' RT	96+44, 29' RT										400					400	1				
603	TC-1	WINCHESTER PIKE	96+23, 24' RT																		2	1		1
603	IC-3	WINCHESTER PIKE	96+23, 24' RT	96+44, 29' RT													1		21					
603	SE A-1	WINCHESTER PIKE	96+44, 29' RT											150	24	1								
603	IC-2	WINCHESTER PIKE	96+44, 29' RT	103+50, 30' RT										717					717					
SHEET TOTAL					28	160	157	360	2	2	106	2	2	11,286	492	4	1	3	10,069	30	6	3	1	2

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

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

3150-E

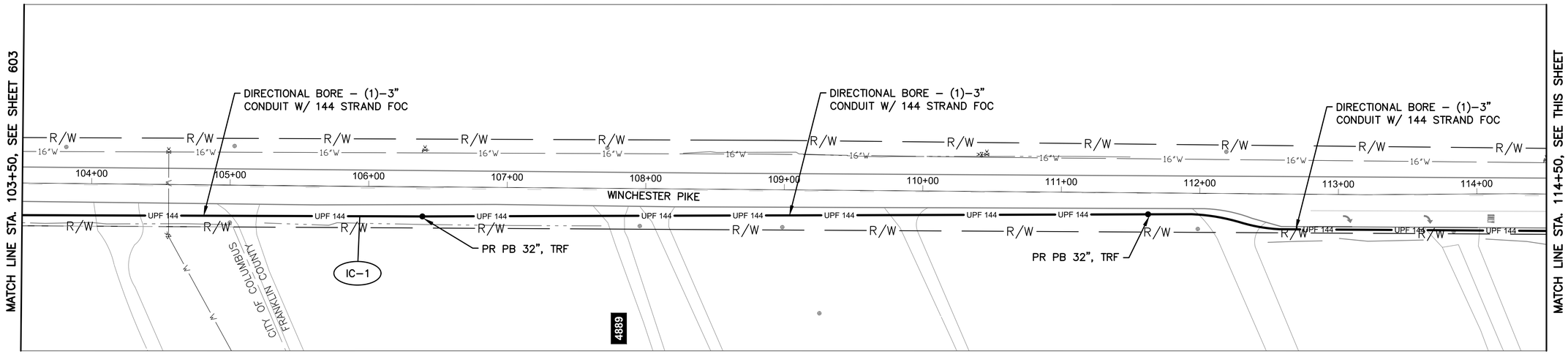
CIP: 540007–100006
PID NUMBER: 82573

WINCHESTER PIKE BETWEEN STA. 5+00 & 103+50
INTS SIG4910, 2194, 2199

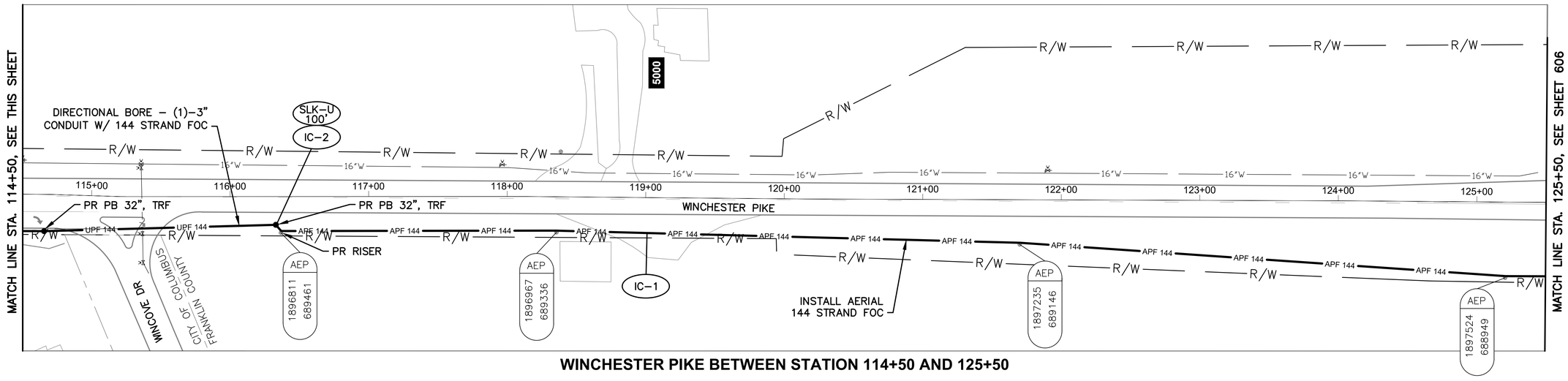
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

604
1000

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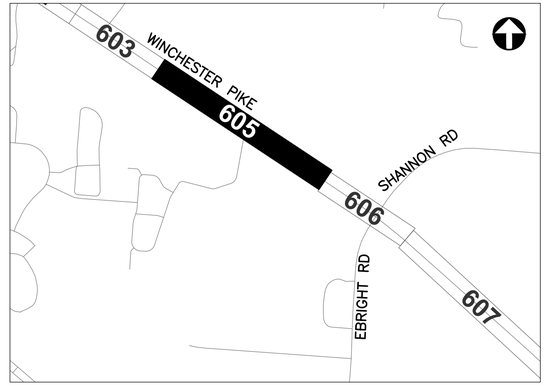
WINCHESTER PIKE BETWEEN STATION 103+50 AND 114+50



WINCHESTER PIKE BETWEEN STATION 114+50 AND 125+50

NOTES:

1. SEE SHEET 612 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

Ohio Utilities Protection Service
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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100006
PID NUMBER: 82573

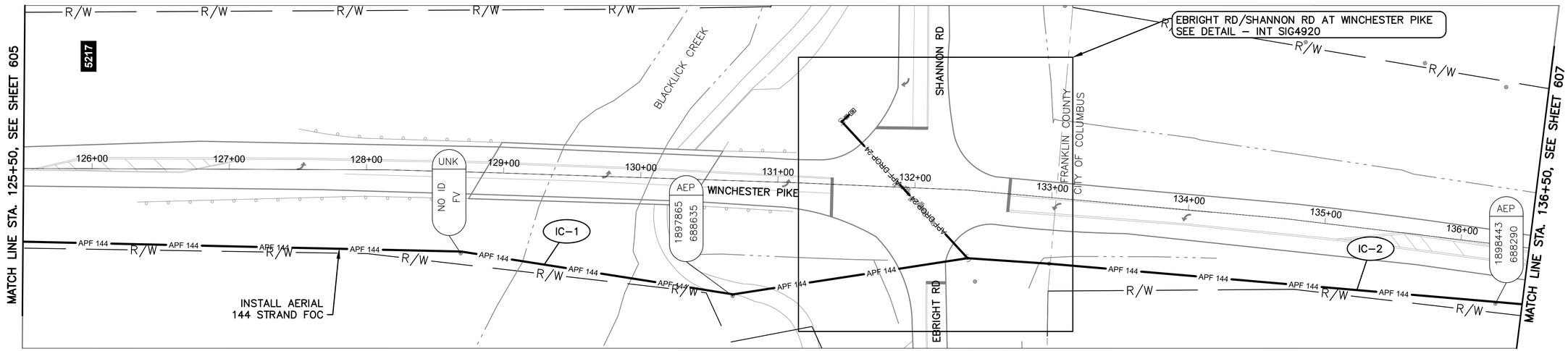
INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 103+50 AND 125+50

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

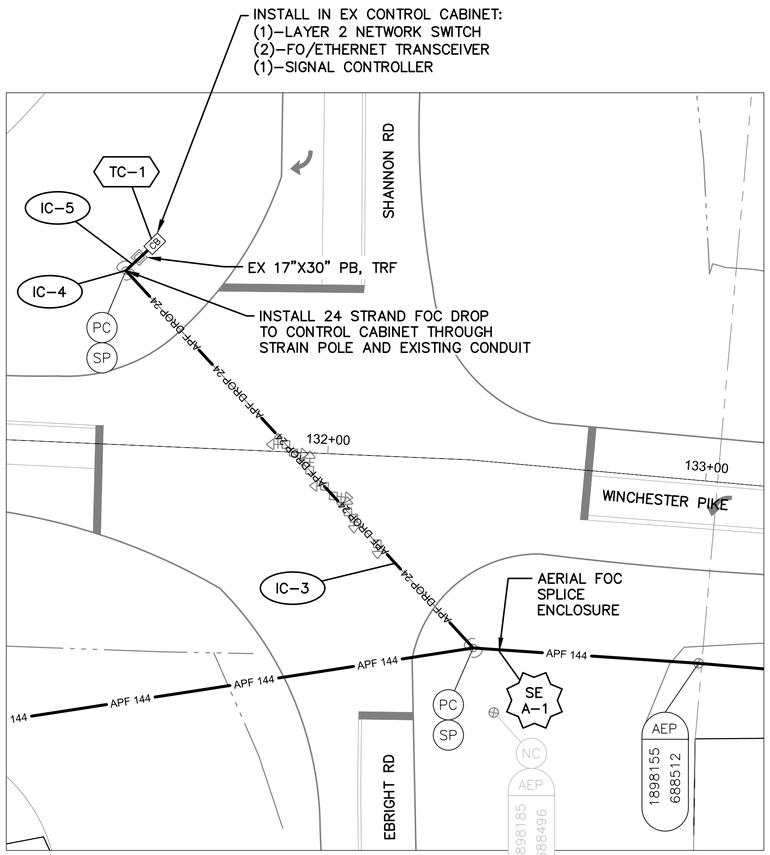
605
1000

3150-E

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_WINCHESTER_INTERCONNECT.dwg – WINCHESTER–6 layout ~ last saved by: jbeans 02/01/2019 11:16am ~ printed 03/19/2020 06:04pm



WINCHESTER PIKE BETWEEN STATION 125+50 AND 136+50



DETAIL - INT SIG4920

0 20 40

HORIZONTAL
SCALE IN FEET

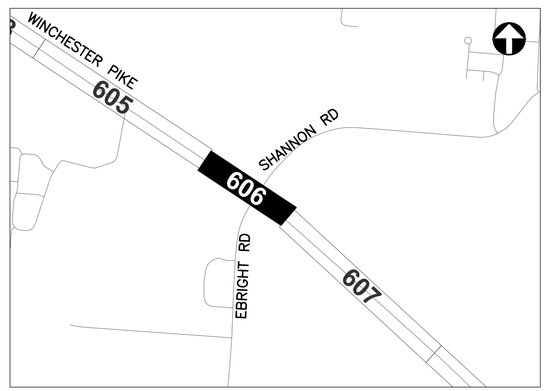
NOTES:

1. SEE SHEET 612 FOR QUANTITIES.
2. SEE SHEETS 682 & 927 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

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



REFER TO SHEET 350 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 40 80
HORIZONTAL
SCALE IN FEET

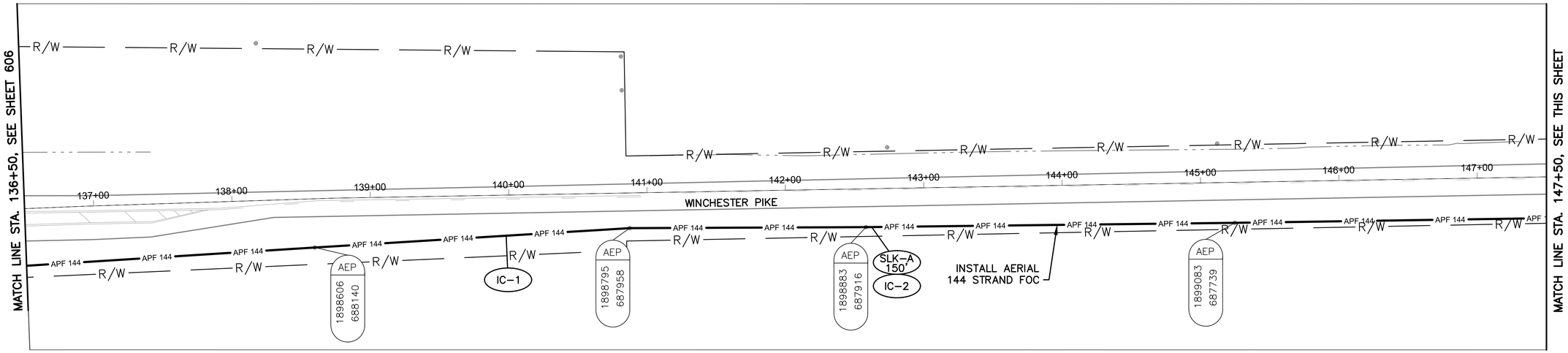
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PID NUMBER: 82573

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 125+50 AND 136+50, INT SIG4920

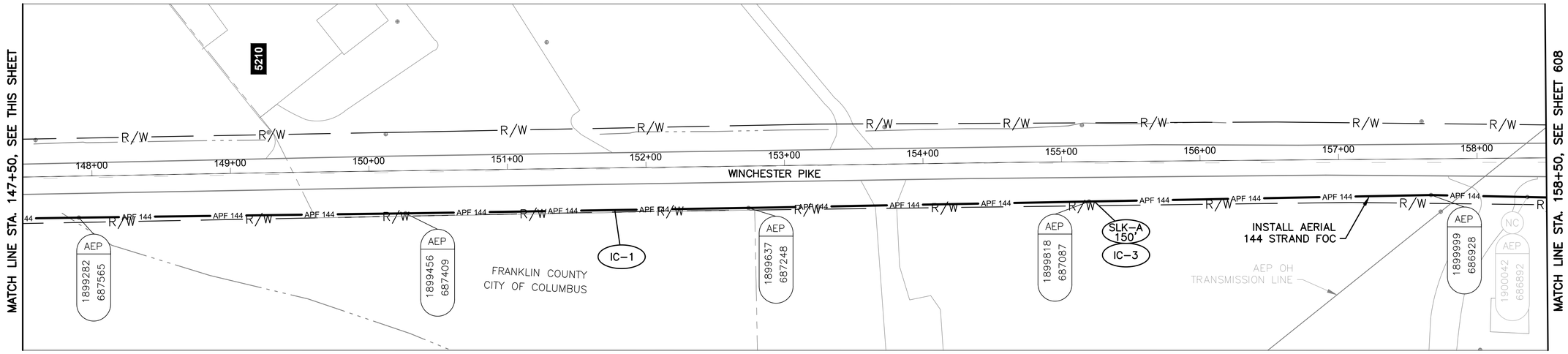
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

606
1000

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WINCHESTER PIKE BETWEEN STATION 136+50 AND 147+50



WINCHESTER PIKE BETWEEN STATION 147+50 AND 158+50

NOTES:

1. SEE SHEET 612 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

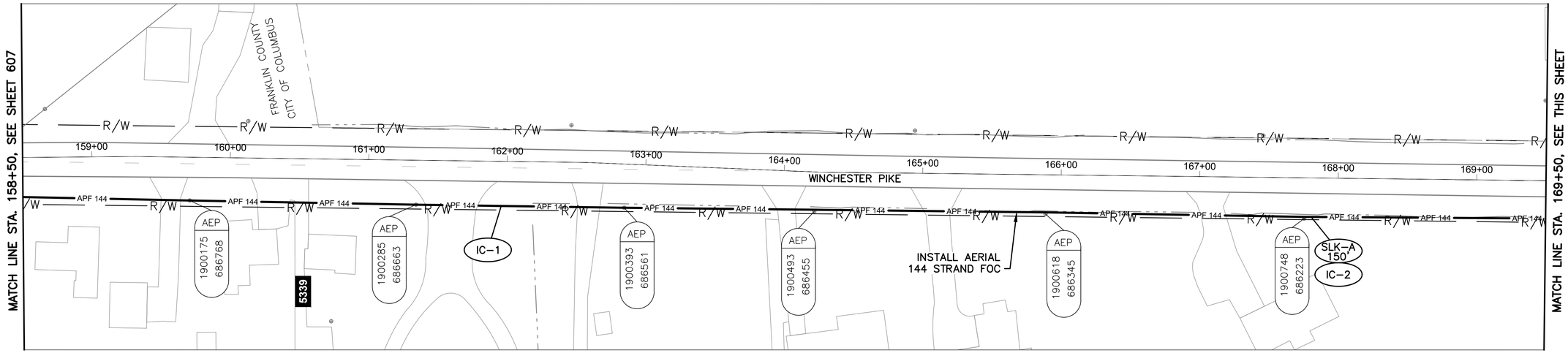
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PID NUMBER: 82573

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 136+50 AND 158+50

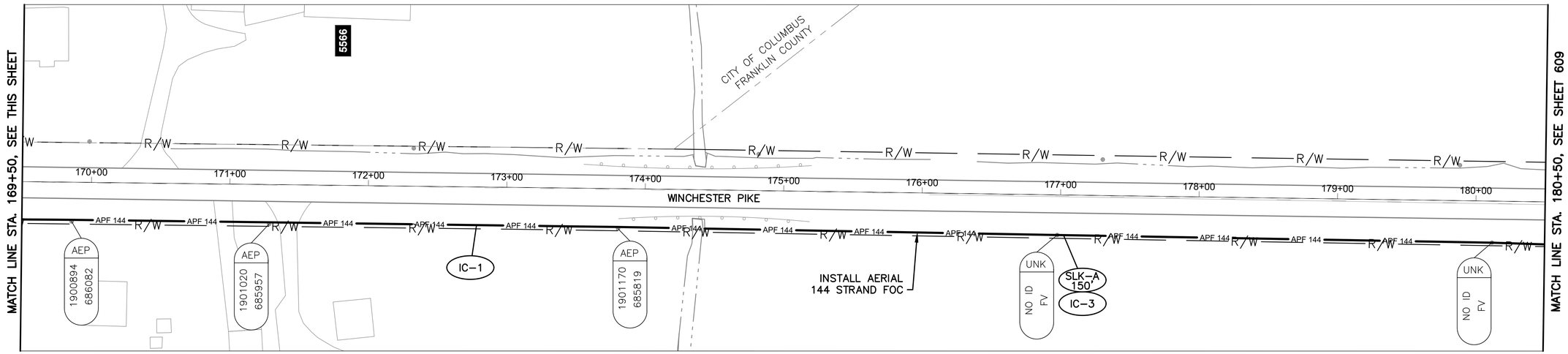
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

607
1000

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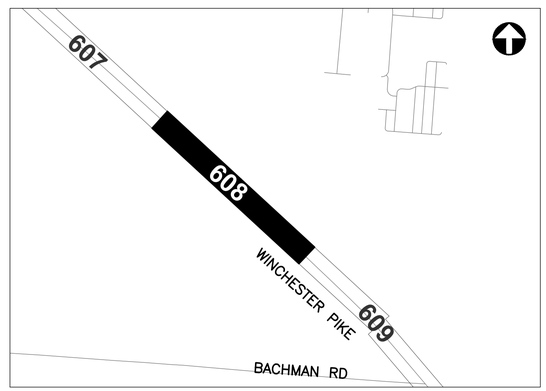
WINCHESTER PIKE BETWEEN STATION 158+50 AND 169+50



WINCHESTER PIKE BETWEEN STATION 169+50 AND 180+50

NOTES:

1. SEE SHEET 612 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

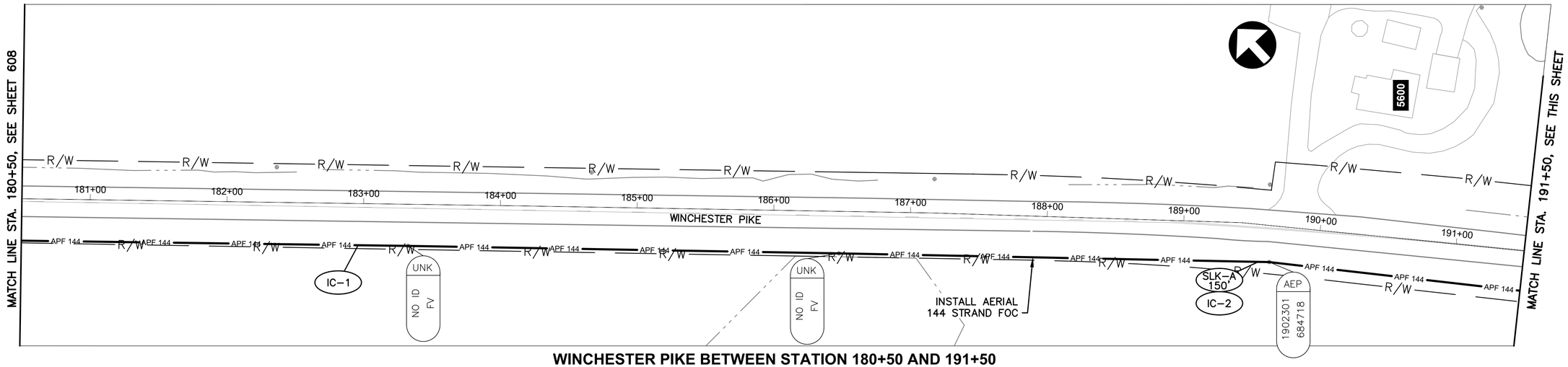
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PID NUMBER: 82573

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 158+50 AND 180+50

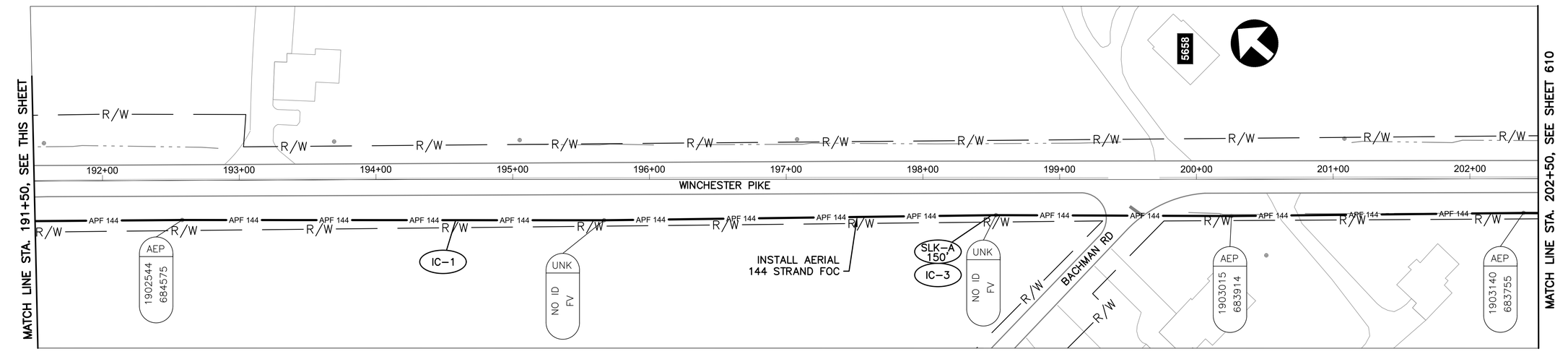
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

608
1000

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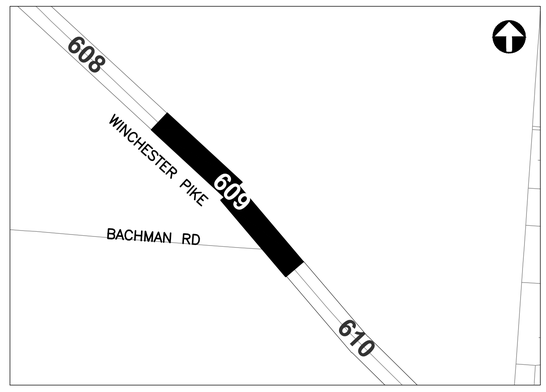
WINCHESTER PIKE BETWEEN STATION 180+50 AND 191+50



WINCHESTER PIKE BETWEEN STATION 191+50 AND 202+50

NOTES:

1. SEE SHEET 612 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

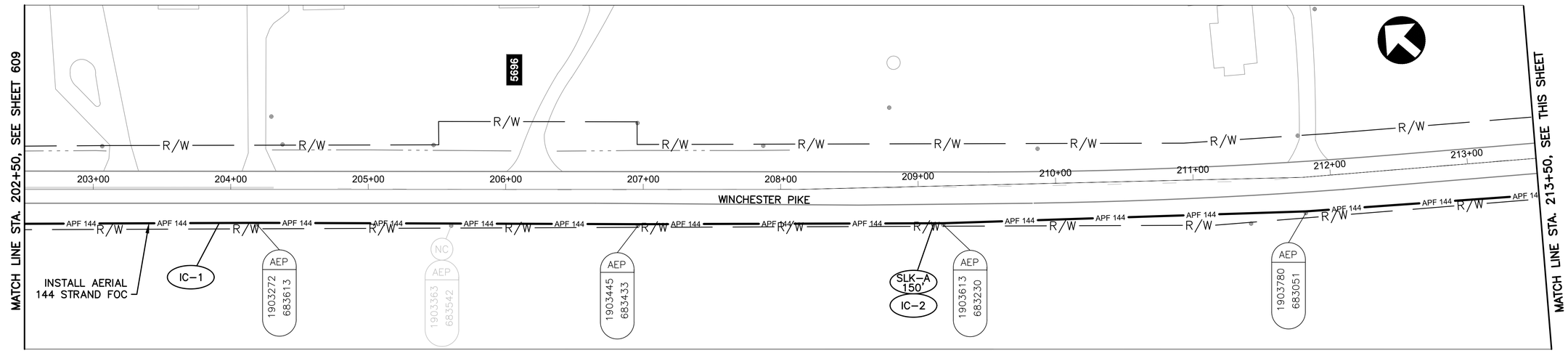
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PID NUMBER: 82573

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 191+50 AND 202+50

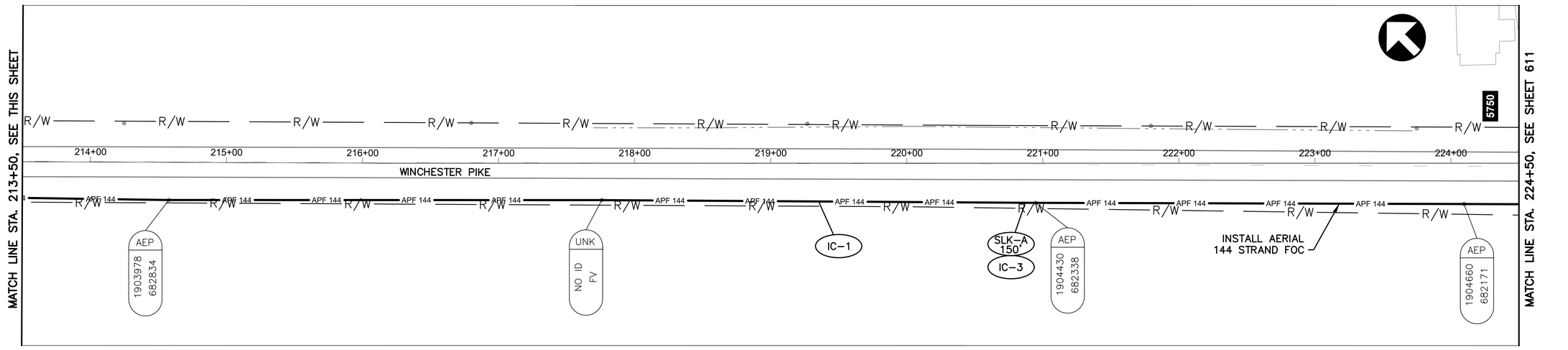
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

609
1000

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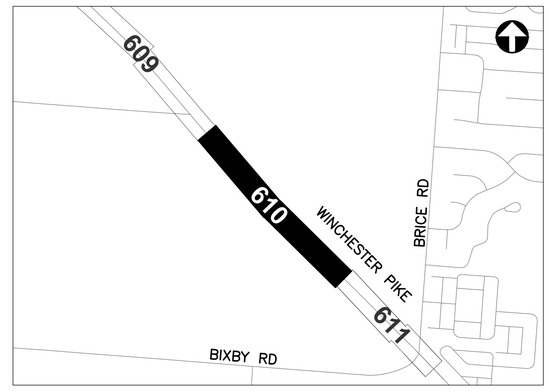
WINCHESTER PIKE BETWEEN STATION 202+50 AND 213+50



WINCHESTER PIKE BETWEEN STATION 213+50 AND 224+50

NOTES:

1. SEE SHEET 612 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

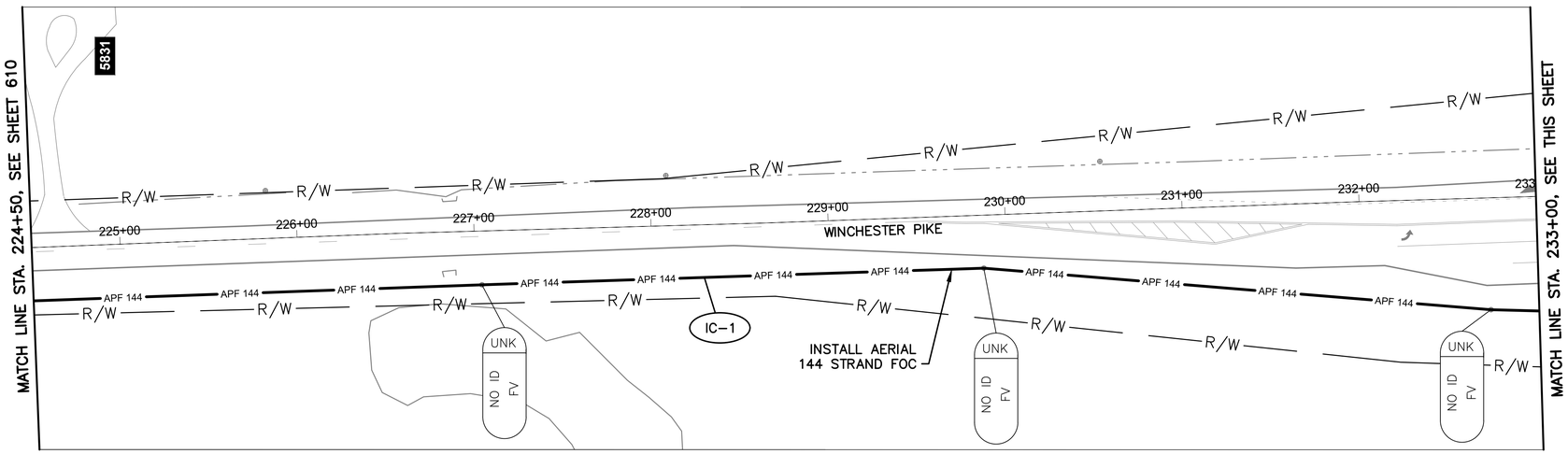
INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 202+50 AND 224+50

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

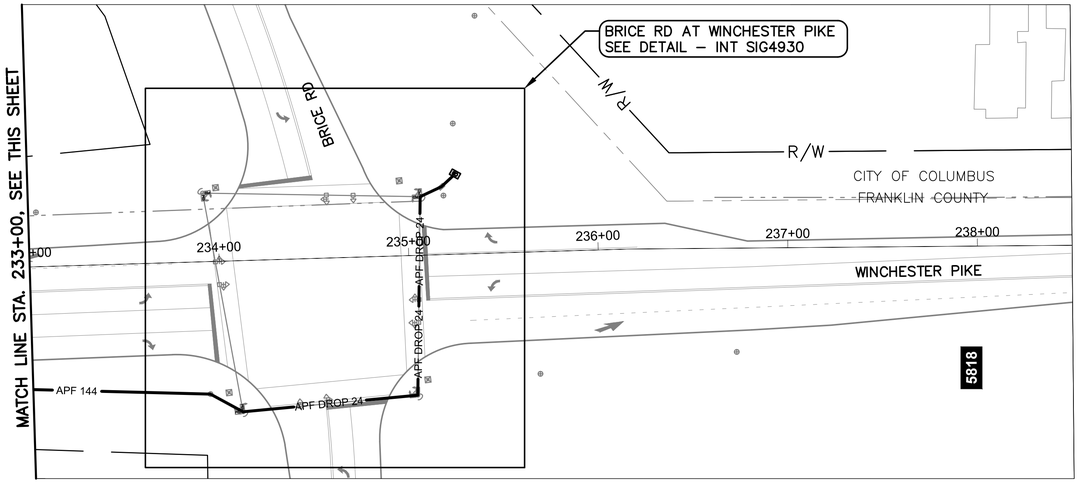
610
1000

3150-E

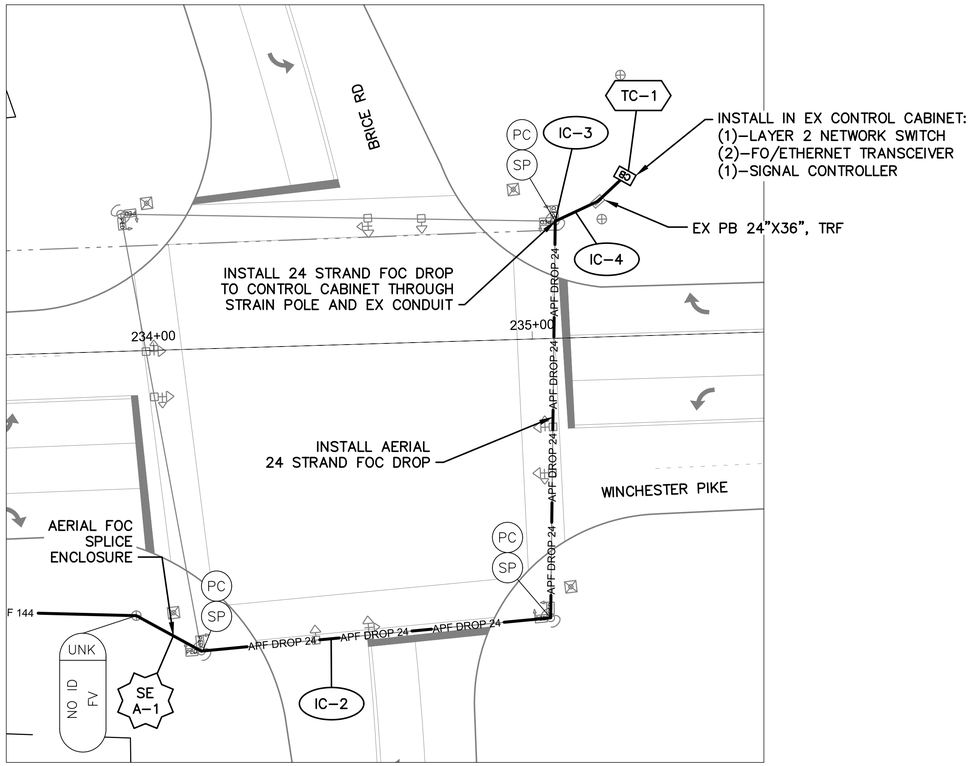
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WINCHESTER PIKE BETWEEN STATION 224+50 AND 233+00



WINCHESTER PIKE BETWEEN STATION 233+00 AND 238+50



DETAIL - INT SIG4930

0 20 40
HORIZONTAL
SCALE IN FEET

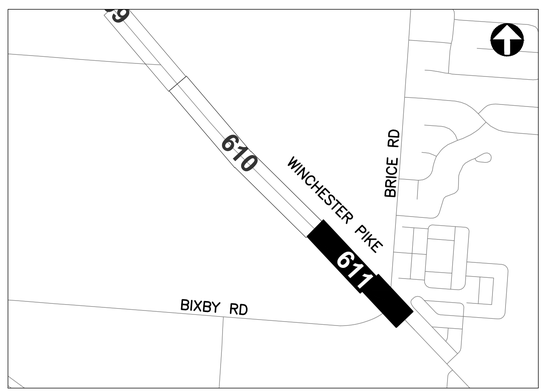
NOTES:

1. SEE SHEET 612 FOR QUANTITIES.
2. SEE SHEETS 682 & 928 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 224+50 AND 238+50, INT SIG4930

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

611
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	632	632	633	633	633											
					EXISTING CONDUIT CLEANED, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE	INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 450FT 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										
			FROM	TO	FT	FT	EACH	EACH	EACH	EACH	FT	EACH	EACH	EACH											
WINCHESTER PIKE BETWEEN STA. 103+50 AND 125+50																									
605	IC-1	WINCHESTER PIKE	103+50, 30' RT	125+50, 58' RT		2,233					2,233														
605	IC-2	WINCHESTER PIKE	116+41, 27' RT			150																			
WINCHESTER PIKE BETWEEN STA. 125+50 AND 136+50, INT SIG4920																									
606	IC-1	WINCHESTER PIKE	125+50, 58' RT	132+41, 50' RT		731					731														
606	TC-1	WINCHESTER PIKE	131+52, 53' LT									2	1	1											
606	IC-5	WINCHESTER PIKE	131+52, 53' LT	131+45, 46' LT	15																				
606	IC-4	WINCHESTER PIKE	131+52, 53' LT	132+41, 50' RT					1																
606	IC-3	WINCHESTER PIKE	131+45, 46' LT	132+41, 50' RT							138														
606	SE A-1	WINCHESTER PIKE	132+41, 50' RT			150	24	1																	
606	IC-2	WINCHESTER PIKE	132+41, 50' RT	136+50, 43' RT		384					384														
WINCHESTER PIKE BETWEEN STA. 136+50 AND 158+50																									
607	IC-1	WINCHESTER PIKE	136+50, 43' RT	158+50, 29' RT		2,232					2,232														
607	IC-2	WINCHESTER PIKE	142+62, 28' RT			150																			
607	IC-3	WINCHESTER PIKE	155+23, 29' RT			150																			
WINCHESTER PIKE BETWEEN STA. 158+50 AND 180+50																									
608	IC-1	WINCHESTER PIKE	158+50, 29' RT	180+50, 31' RT		2,232					2,232														
608	IC-2	WINCHESTER PIKE	167+80, 29' RT			150																			
608	IC-3	WINCHESTER PIKE	177+03, 29' RT			150																			
WINCHESTER PIKE BETWEEN STA. 180+50 AND 202+50																									
609	IC-1	WINCHESTER PIKE	180+50, 31' RT	202+50, 25' RT		2,232					2,232														
609	IC-2	WINCHESTER PIKE	189+57, 27' RT			150																			
609	IC-3	WINCHESTER PIKE	198+50, 26' RT			150																			
WINCHESTER PIKE BETWEEN STA. 202+50 AND 224+50																									
610	IC-1	WINCHESTER PIKE	202+50, 25' RT	224+50, 30' RT		2,235					2,235														
610	IC-2	WINCHESTER PIKE	209+12, 28' RT			150																			
610	IC-3	WINCHESTER PIKE	220+87, 29' RT			150																			
WINCHESTER PIKE BETWEEN STA. 224+50 AND 238+50, INT SIG4940																									
611	IC-1	WINCHESTER PIKE	224+50, 30' RT	235+10, 80' RT		979					979														
611	IC-2	WINCHESTER PIKE	234+10, 80' RT	235+06, 31' LT							200														
611	SE A-1	WINCHESTER PIKE	234+10, 80' RT			75	12	1																	
611	IC-3	WINCHESTER PIKE	234+10, 80' RT	235+25, 42' LT						1															
611	IC-4	WINCHESTER PIKE	235+06, 31' LT	235+25, 42' LT	27																				
611	TC-1	WINCHESTER PIKE	235+25, 42' LT									2	1	1											
SHEET TOTAL					42	14,831	36	2	1	1	13,594	4	2	2	-	-	-	-	-	-	-	-	-	-	

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

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

3150-E

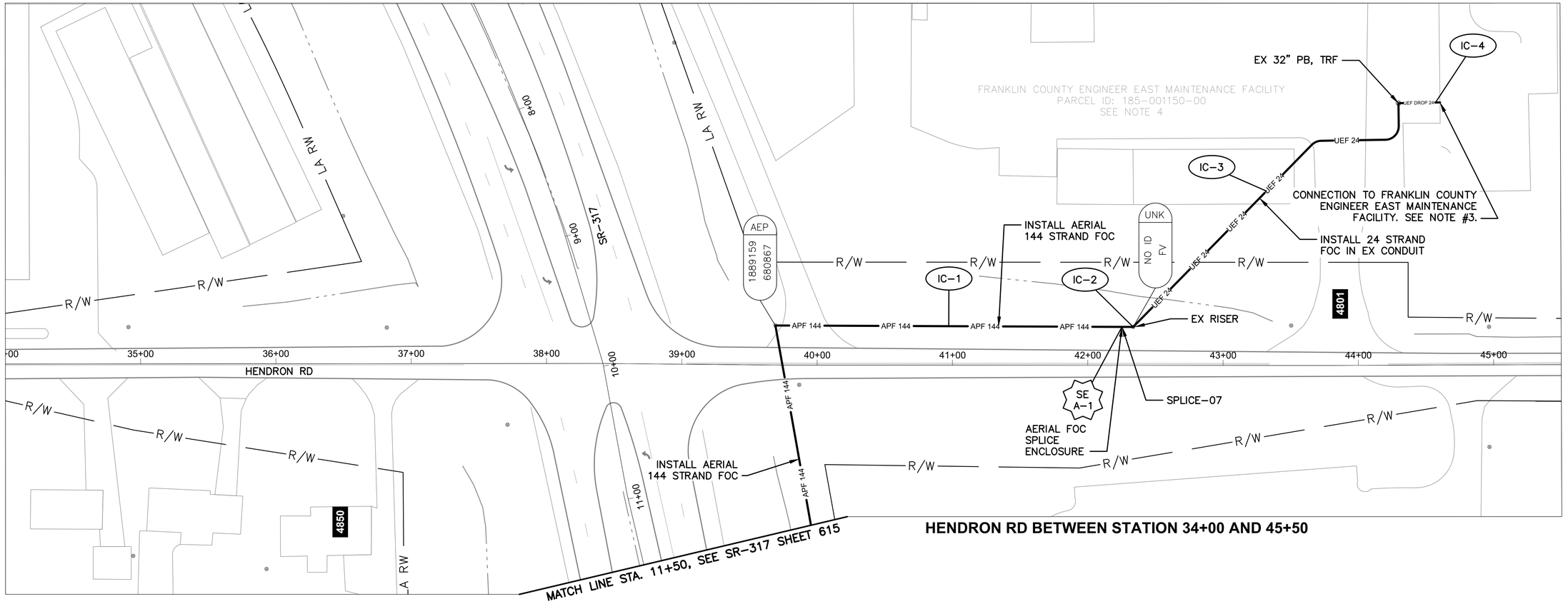
CIP: 540007–100006
PID NUMBER: 82573

WINCHESTER PIKE BETWEEN STA. 103+50 & 238+50
INTS SIG4920, SIG4930

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

612
1000

J:\Jobs\601351\TECHPROD\Sheets\CTSS_PhD_Trunk1_WINCHESTER_JC_QUANTITIES.dwg – WINCHESTER-02 layout ~ last saved by: gburch 12/09/2016 09:36am ~ printed 03/19/2020 06:10pm



HENDRON RD BETWEEN STATION 34+00 AND 45+50

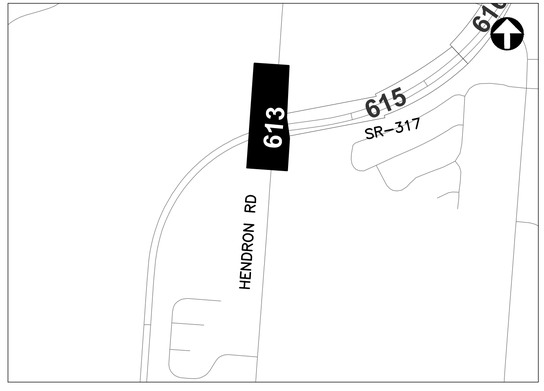
NOTES:

1. SEE SHEET 614 FOR QUANTITIES.
2. SEE SHEETS 682 & 930–931 FOR COMMUNICATION DETAILS.
3. SEE SHEET 58 FOR COMMUNICATION FIBER ROUTING 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.
5. EXISTING PARCEL LINES FOR THE FRANKLIN COUNTY ENGINEER MAINTENANCE CENTER ARE SHOWN OUTSIDE OF THE EXTENT OF THE VIEWPORT SHOWN ABOVE.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
HENDRON RD BETWEEN STA. 34+00 AND 45+50, FACILITY DETAIL

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

613
1000

3150-E

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_HENDRON_INTERCONNECT.dwg – HENDRON-3 layout ~ last saved by: jbeans 12/19/2019 04:15pm ~ printed 03/19/2020 06:11pm

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, W/ 300FT DROP CABLE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN
					FT	FT	FT	EACH	EACH	EACH	FT
HENDRON RD. (EAST MAINTENANCE) BETWEEN STA. 34+00 AND 45+50, INTS FCEO FACILITY2 & SPLICE-07											
613	SE A-1	HENDRON RD	39+68, 29' LT			150		144	1		
613	IC-1	HENDRON RD	39+68, 29' LT	42+33, 28' LT		268					268
613	IC-2	HENDRON RD	39+68, 29' LT	39+95, 118' RT			152				152
613	IC-3	HENDRON RD	42+33, 28' LT				35				
613	IC-4	HENDRON RD	42+33, 28' LT	44+30, 194' LT	276		276				
613	SE U-1	HENDRON RD	44+30, 194' LT				75	12	1		
613	IC-5	HENDRON RD	44+30, 194' LT	44+61, 194' LT	31					1	
SHEET TOTAL					307	418	538	156	2	1	420

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

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

3150-E

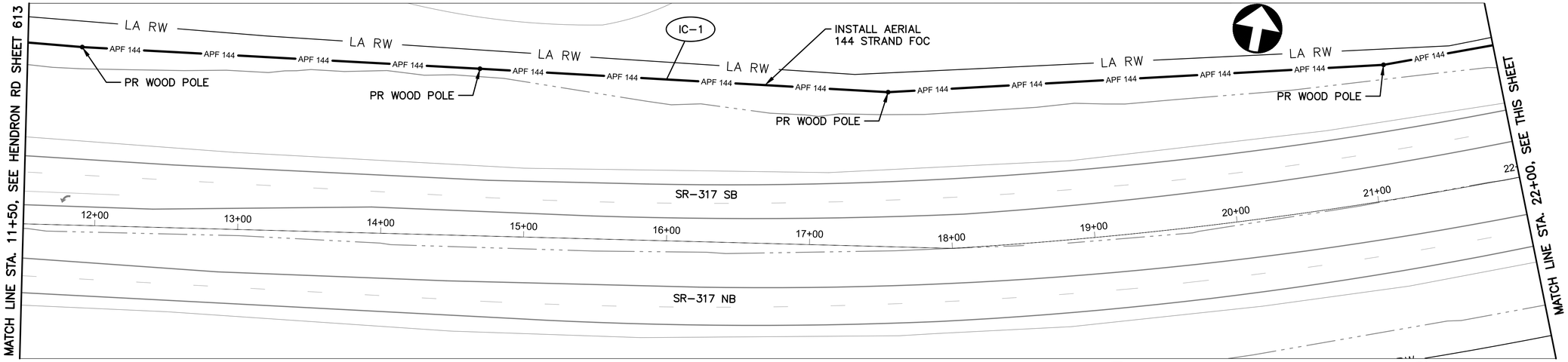
CIP: 540007-100006
PID NUMBER: 82573

HENDRON RD BETWEEN STA. 34+00 & 45+50

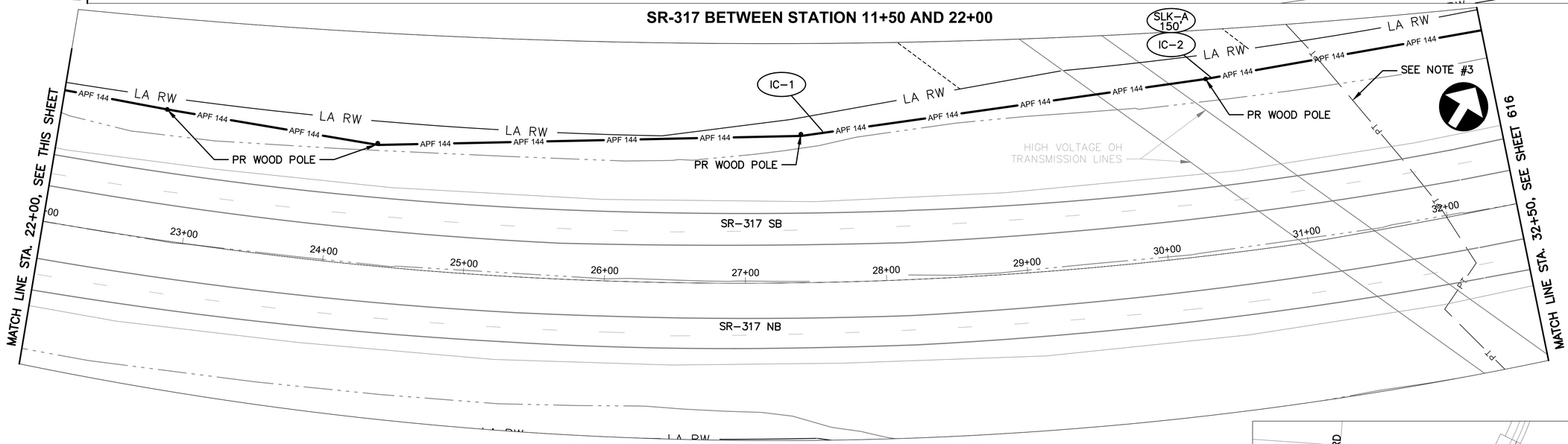
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

614
1000

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SR-317 BETWEEN STATION 11+50 AND 22+00



SR-317 BETWEEN STATION 22+00 AND 32+50

NOTES:

1. SEE SHEET 622 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. LOCATION IS APPROXIMATE. SUBMIT OUPS TICKET – COLUMBIA PIPELINE PERSONNEL WILL RESPOND TO MARK PIPELINE AND/OR MEET CONTRACTOR AT SITE. ENSURE THAT PROPOSED POLES ARE NOT INSTALLED WITHIN 25' OF PIPELINE.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

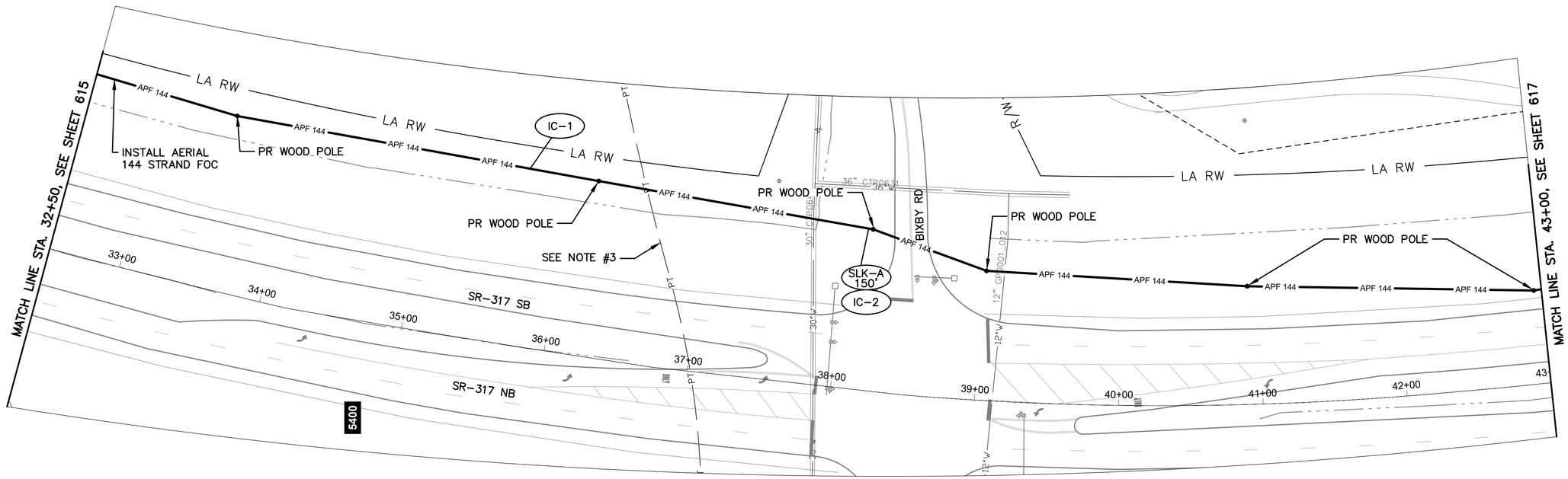
INTERCONNECT PLAN
SR-317 BETWEEN STA. 11+50 AND 32+50

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

615
1000

3150-E

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SR-317 BETWEEN STATION 32+50 AND 43+00

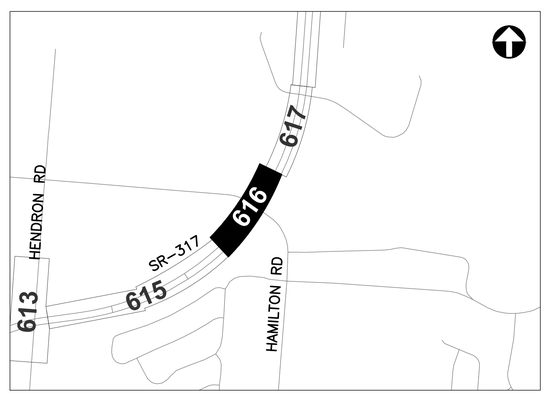
NOTES:

1. SEE SHEET 622 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. LOCATION OF PIPELINE IS APPROXIMATE. SUBMIT OUPS TICKET – COLUMBIA PIPELINE PERSONNEL WILL RESPOND TO MARK PIPELINE AND/OR MEET CONTRACTOR AT SITE. ENSURE THAT PROPOSED POLES ARE NOT INSTALLED WITHIN 25' OF PIPELINE.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

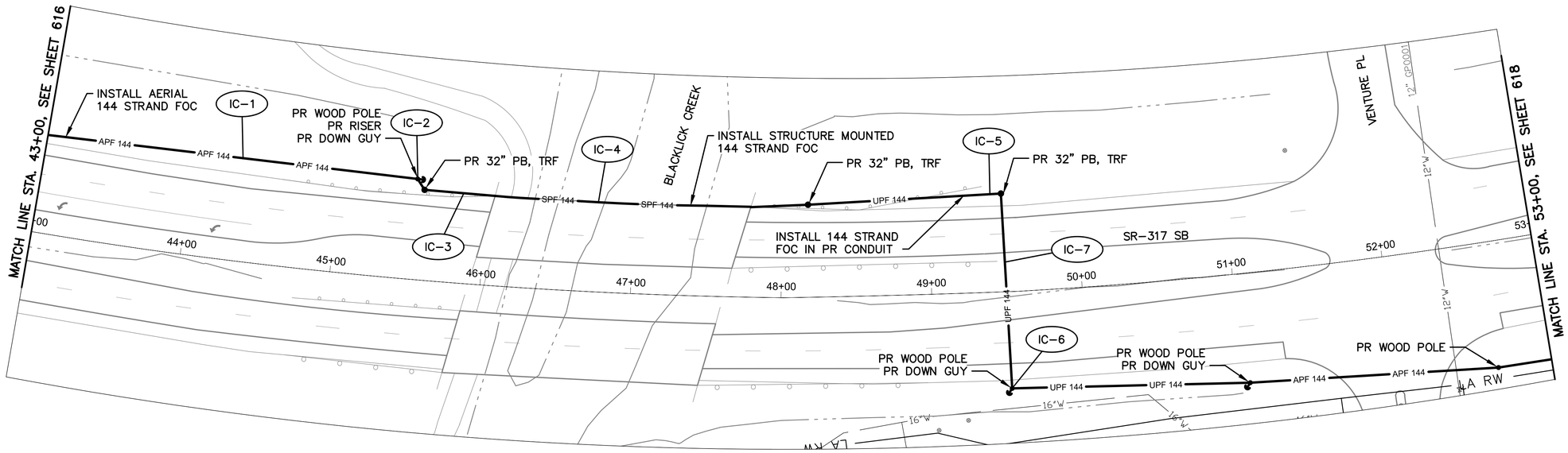
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
SR-317 BETWEEN STA. 32+50 AND 43+00

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

616
1000

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SR-317 BETWEEN STATION 43+00 AND 53+00

NOTES:

1. SEE SHEET 622 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. EXISTING AEP POLE LINE BETWEEN BIXBY RD AND WILLIAMS RD IS DESCRIBED UNDER EASEMENTS – VOL 3138 PAGE 634, VOL 3325 PAGE D-19, VOL 3336 PAGE 482, VOL 3837 PAGE D-09, VOL 7545 PAGE C-08, VOL 7989 PAGE B-16, VOL 11157 PAGE F-13, VOL 11395 PAGE B-08.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

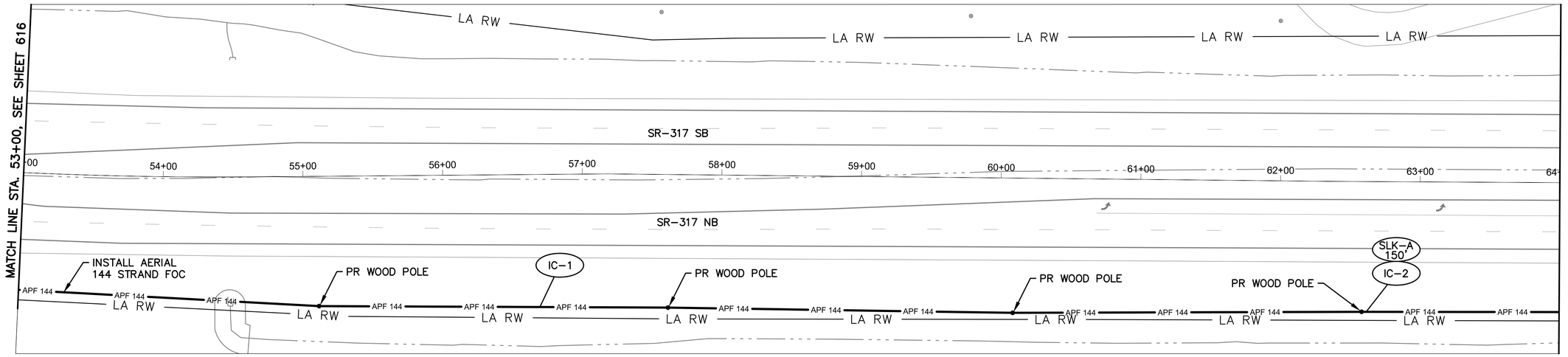
CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
SR-317 BETWEEN STA. 43+00 AND 53+00

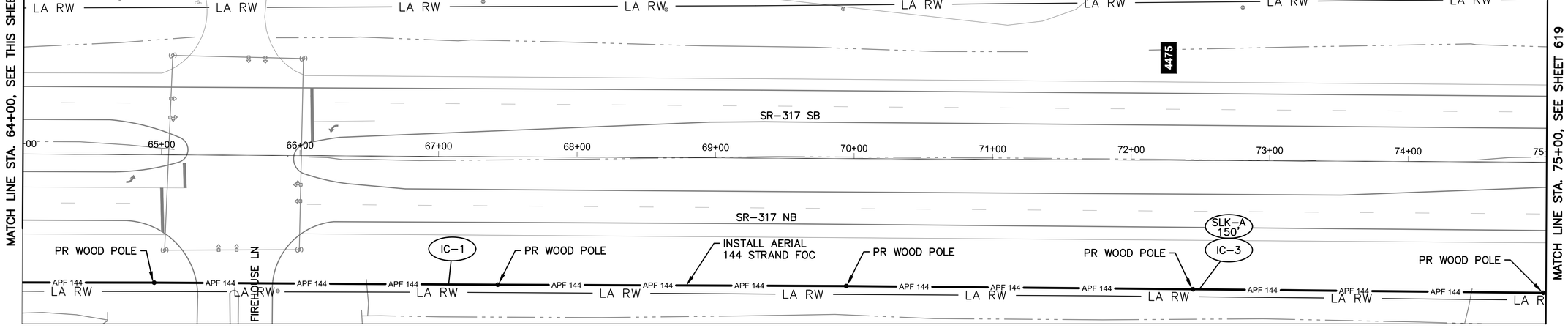
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

617
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_HAMILTON_INTERCONNECT.dwg – SR-317-2A layout ~ last saved by jbeans 12/20/2019 09:34am ~ printed 03/19/2020 06:16pm



SR-317 BETWEEN STATION 53+00 AND 64+00



SR-317 BETWEEN STATION 64+00 AND 75+00

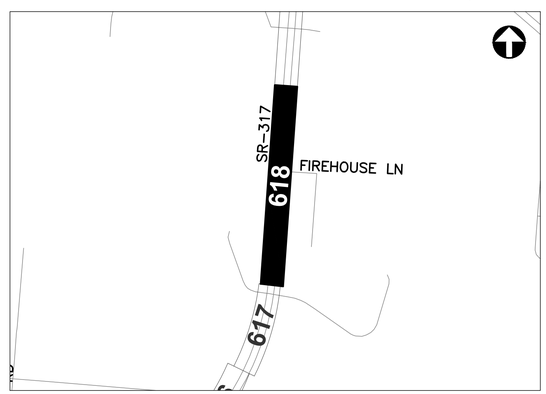
NOTES:

1. SEE SHEET 622 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

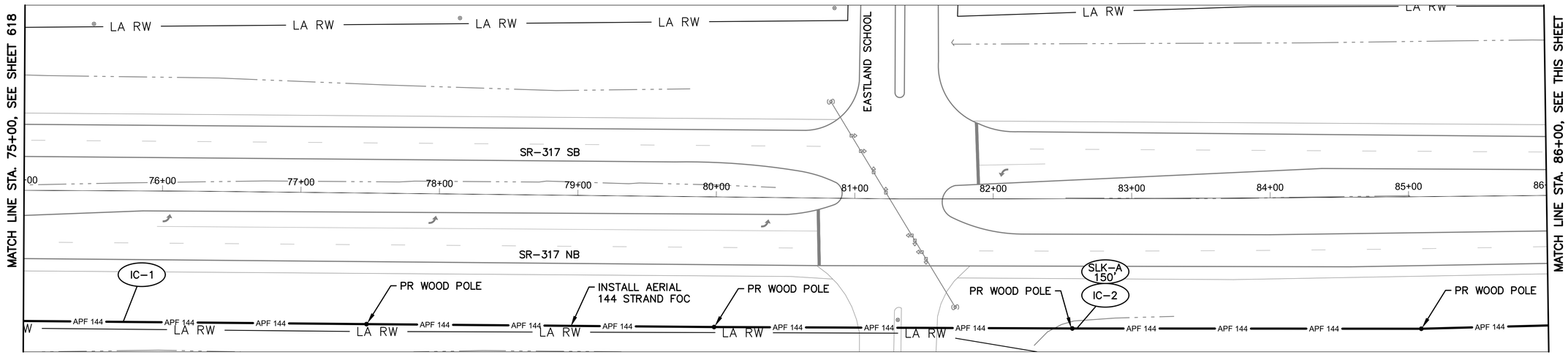
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
SR–317 BETWEEN STA. 53+00 AND 75+00

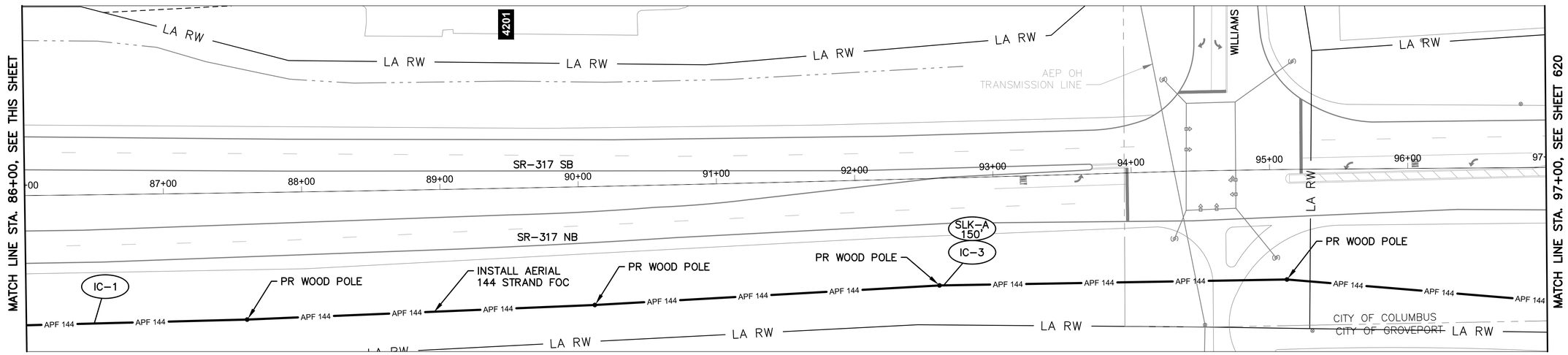
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

618
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_HAMILTON_INTERCONNECT.dwg ~ SR–317–3 layout ~ last saved by: jbeans 12/20/2019 09:34am ~ printed 03/19/2020 06:18pm



SR-317 BETWEEN STATION 75+00 AND 86+00



SR-317 BETWEEN STATION 86+00 AND 97+00

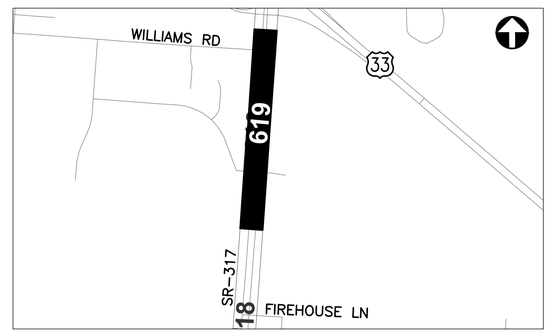
NOTES:

1. SEE SHEET 622 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 40 80

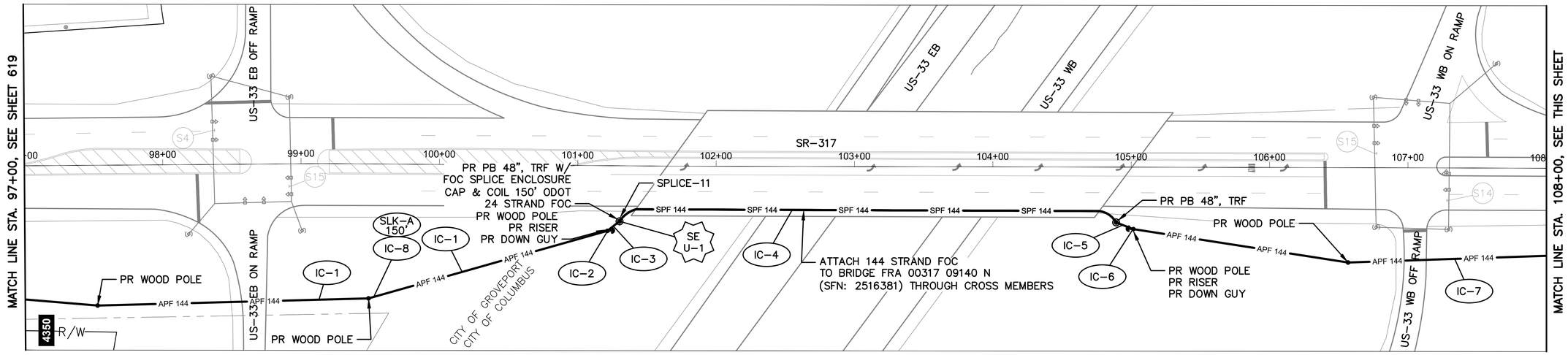
CIP: 540007–100006
PID NUMBER: 82573

INTERCONNECT PLAN
SR–317 BETWEEN STA. 75+00 AND 97+00

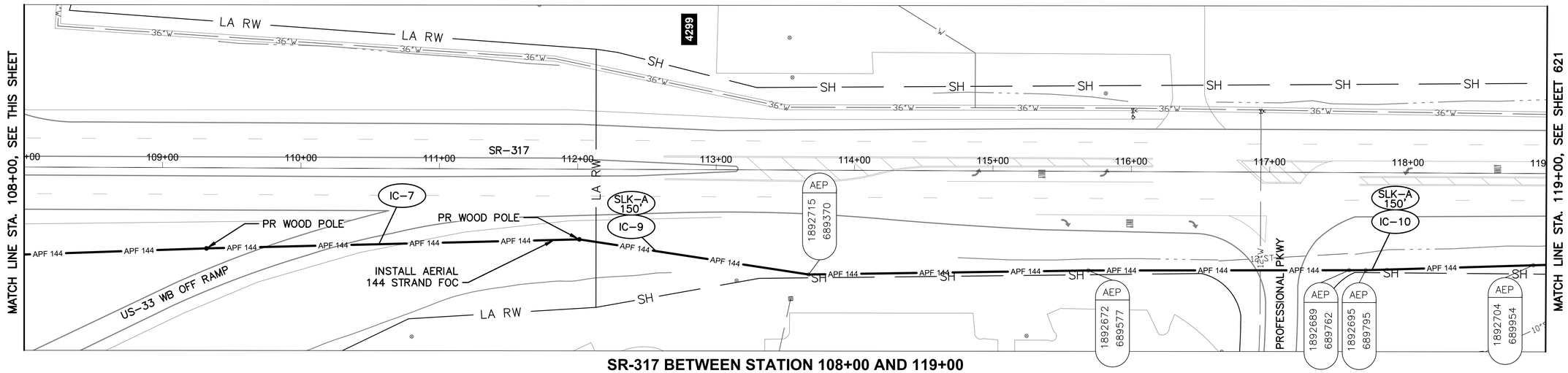
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

619
1000

J:\Jobs\601353\TECHPROD\Sheets\CTSS_PhD_Trunk1_HAMILTON_INTERCONNECT.dwg ~ SR–317–4 layout ~ last saved by: jbeans 12/20/2019 09:34am ~ printed 03/19/2020 06:19pm



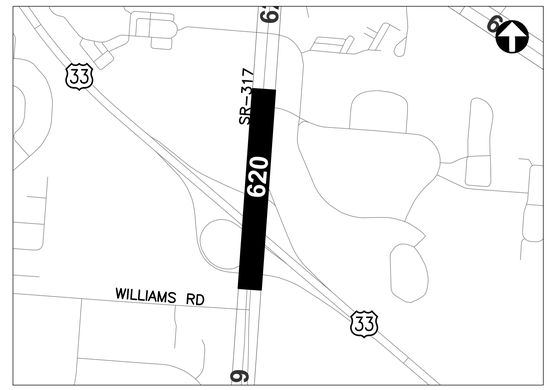
SR-317 BETWEEN STATION 97+00 AND 108+00



SR-317 BETWEEN STATION 108+00 AND 119+00

NOTES:

1. SEE SHEET 622 FOR QUANTITIES.
2. SEE SHEETS 682 & 929 FOR COMMUNICATION DETAILS.



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

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

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HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

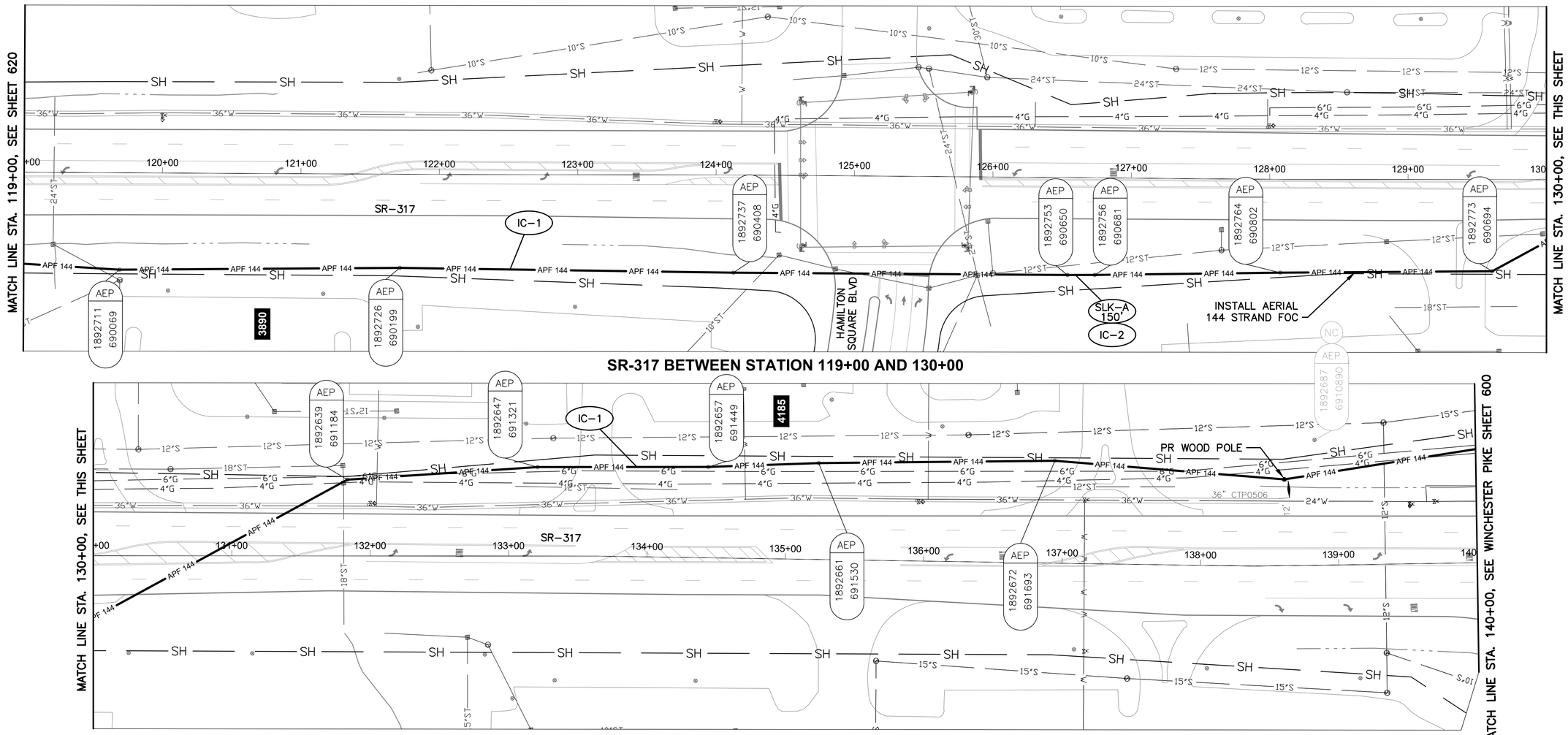
INTERCONNECT PLAN
SR-317 BETWEEN STA. 97+00 AND 119+00

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

620
1000

3150-E

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_HAMILTON_INTERCONNECT.dwg - SR-317-5 layout ~ last saved by: jbeans 12/20/2019 09:34am ~ printed 03/19/2020 06:21pm

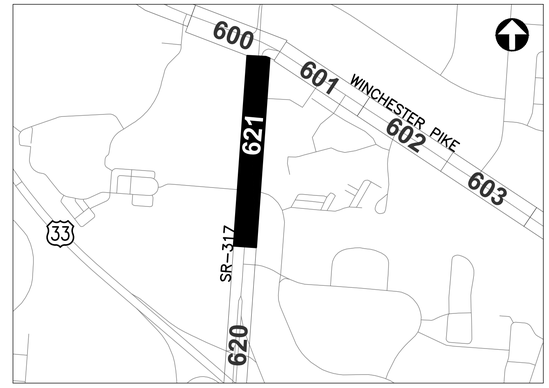


SR-317 BETWEEN STATION 119+00 AND 130+00

SR-317 BETWEEN STATION 130+00 AND 140+00

NOTES:

1. SEE SHEET 622 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.



REFER TO SHEET 350 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

- [X] SEWER
- [X] WATER
- [ ] POWER
- [ ] LIGHTING

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100006
PID NUMBER: 82573

INTERCONNECT PLAN
SR-317 BETWEEN STA. 119+00 AND 140+00

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

621
1000

3150-E

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_HAMILTON_INTERCONNECT.dwg – SR-317-6 layout ~ last saved by: jbeans 12/20/2019 09:34am ~ printed 03/19/2020 06:23pm

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625	625	625	625	625	632	632	632	632	632	632	632							
					CONDUIT, 3", AS PER PLAN	CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE	PULL BOX, CONCRETE 32", AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, 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 FUSION SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 35 FT						
			FROM	TO	FT	FT	EACH	EACH	FT	EACH	EACH	FT	FT	EACH	EACH	FT	EACH						
SR-317 BETWEEN STA. 11+50 AND 32+50																							
615	IC-1	SR-317	11+50, 127' LT	32+50, 125' LT								2,069				2,069	8						
615	IC-2	SR-317	30+46, 125' LT									150											
SR-317 BETWEEN STA. 32+50 AND 43+00																							
616	IC-1	SR-317	32+50, 125' LT	43+00, 65' LT								1,032				1,032	6						
616	IC-2	SR-317	38+14, 112' LT									150											
SR-317 BETWEEN STA. 43+00 AND 53+00																							
617	IC-1	SR-317	43+00, 65' LT	45+53, 67' LT								251				251							
617	IC-2	SR-317	45+53, 67' LT							1	1	35					1						
617	IC-3	SR-317	45+53, 67' LT	46+06, 80' LT					47														
617	IC-4	SR-317	46+06, 80' LT	47+79, 80' LT		17																	
617	IC-5	SR-317	47+79, 80' LT	51+68' LT	32		2		3			320											
617	IC-6	SR-317	51+05, 68' LT							1	1												
617	IC-7	SR-317	51+05, 68' LT	53+00, 84' RT								346				346							
SR-317 BETWEEN STA. 53+00 AND 75+00																							
618	IC-1	SR-317	53+00, 84' RT	5+ RT												2,166	0						
618	IC-2	SR-317	+5									150											
618	IC-3	SR-317	72+50, 93' RT									150											
SR-317 BETWEEN STA. 75+00 AND 97+00																							
619	IC-1	SR-317	+00, 9 RT	9+00, 97 T								2,135					8						
619	IC-2	SR-317	+6 94 T									150											
619	IC-3	SR-317	92+62, 77' RT									150											
SR-317 BETWEEN STA. 97+00 AND 119+00, INT SPLICE-11																							
620	IC-1	SR-317	97+00, 9 RT	101 1, 47 T								34					2						
620	IC-8	SR-317	99+53, 9 RT									50											
620	IC-2	SR-317	,								1												
620	IC-3	SR-317	101+21, 47' RT	101+30, 40' RT	11				11			11											
620	SE U-1	SR-317	101+30, 40' RT				1	1				150	150	18	1								
620	IC-4	SR-317	101+ , 40 T	4+ , 40								361											
620	IC-5	SR-317	104+ , 40' R	5+ , 47 T		1						12											
620	IC-6	SR-317	105+ , 45' R								1	35											
620	IC-7	SR-317	105+01, 45' RT	119+00, 70' RT								1,423				1,423	3						
620	IC-9	SR-317	109+24, 59' RT									150											
620	IC-10	SR-317	117+74, 103' RT									150											
SR-317 BETWEEN STA. 119+00 AND 140+00																							
621	IC-1	SR-317	119+00, 75' RT	140+00, 92' LT								2,164				2,164	1						
621	IC-2	SR-317	126+60, 70' RT									150											
SHEET TOTAL					391	531	5	2	391	4	4	14,867	150	18	1	12,190	41	-	-	-	-	-	-	-

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

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

SR–317 BETWEEN STA. 11+50 & 140+00

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

622
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_HAMILTON_IC_QUANTITIES.dwg – SR317-Q1 layout ~ last saved by: gburch 07/29/2016 03:52pm ~ printed 03/19/2020 06:23pm

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH EACH
GEORGESVILLE RD AT SULLIVANT AVE, INT 1034							
958	SE U-1	GEORGESVILLE RD			36		
NODE #315007.8: SR315 AT HENDERSON RD							
988	CN-1	SR-315				4	
NODE #071109.0: IR-71 AT IR-670							
995	CN-1	IR-71				2	1
NODE #071116.2: MORSE RD AT IR-71							
999	CN-1	IR-71				1	
NODE #270004.5: GEORGESVILLE RD AT IR-270							
1000	CN-1	IR-270				2	1
SHEET TOTAL					36	9	2

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

NO PLAN SHEETS PROVIDED. SEE COMMUNICATION SHEETS FOR DETAILS.

3150-E

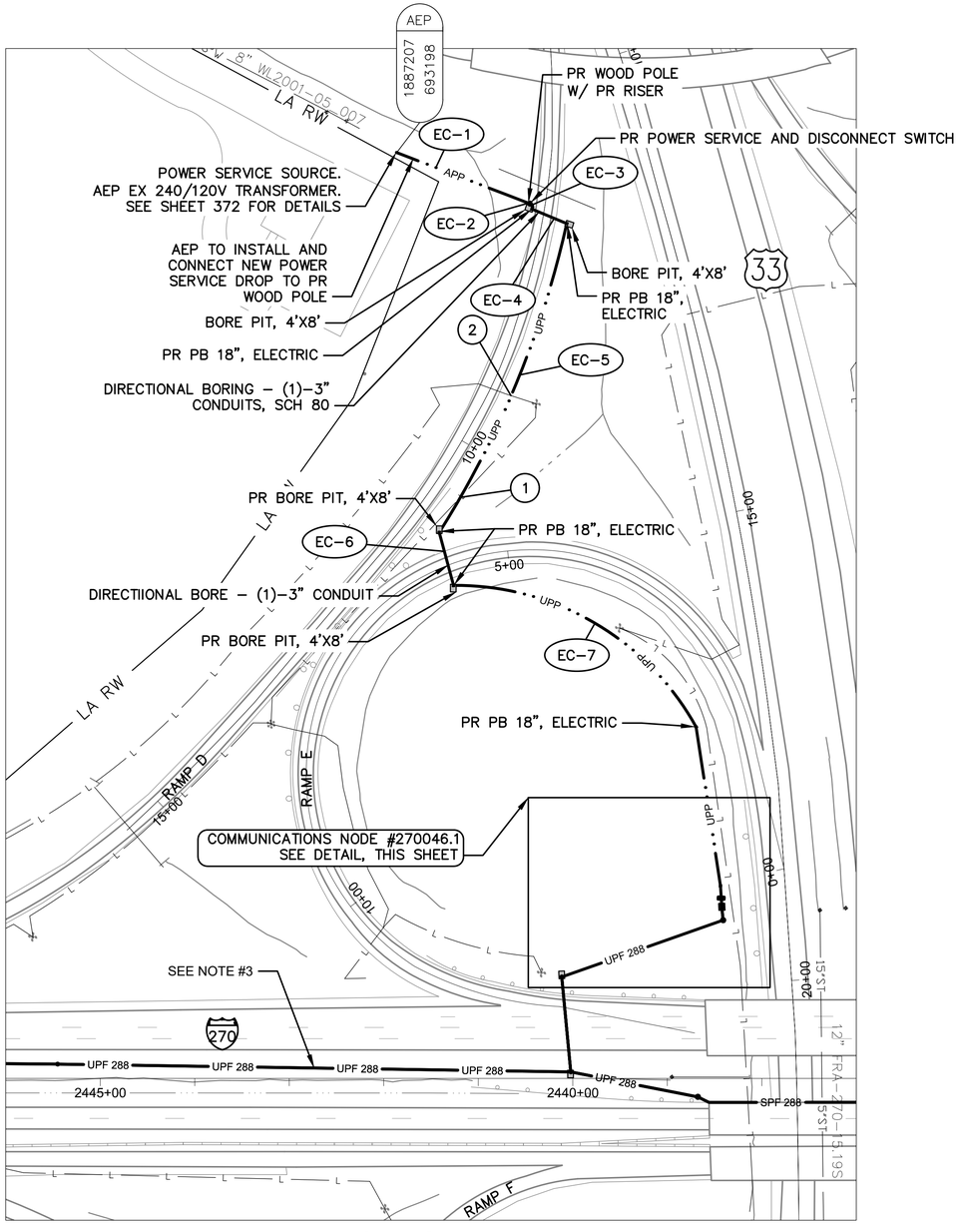
CIP: 540007–100006
PID NUMBER: 82573

ADDITIONAL QUANTITIES

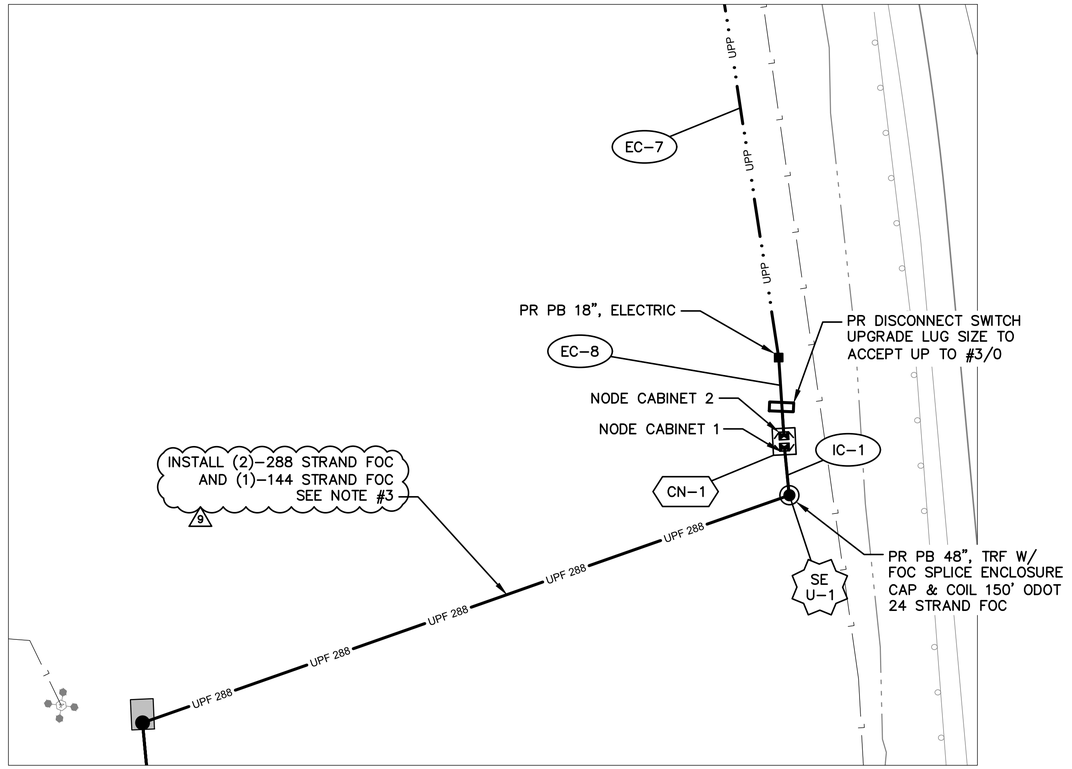
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

623
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_Trunk1_HAMILTON_JC_QUANTITIES.dwg – ADDITIONAL layout ~ last saved by: gburch 07/29/2016 03:52pm ~ printed 03/19/2020 06:24pm



IR-270 BETWEEN STATION 2437+00 AND 2446+00



DETAIL - COMMUNICATIONS NODE #270046.1

0 20 40
HORIZONTAL
SCALE IN FEET

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 356.

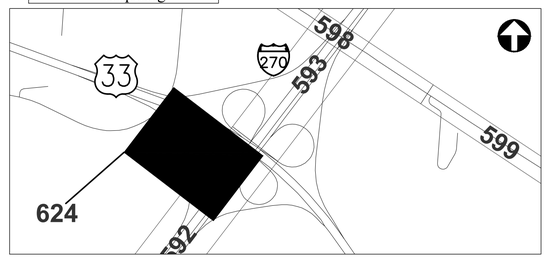
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CITY OF COLUMBUS
UTILITY LEGEND

- [X] SEWER
- [ ] WATER
- [ ] POWER
- [ ] LIGHTING

NOTES:

1. SEE SHEETS 625 & 626 FOR QUANTITIES.
2. SEE SHEETS 682 & 980 FOR COMMUNICATION DETAILS.
3. SEE SHEET 592 FOR INTERCONNECT PLAN.
4. SEE SHEET 372 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.



REFER TO SHEET 350 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

9 REVISION 9.0
12-17-2018

3150-E

HORIZONTAL
SCALE IN FEET
0 80 160

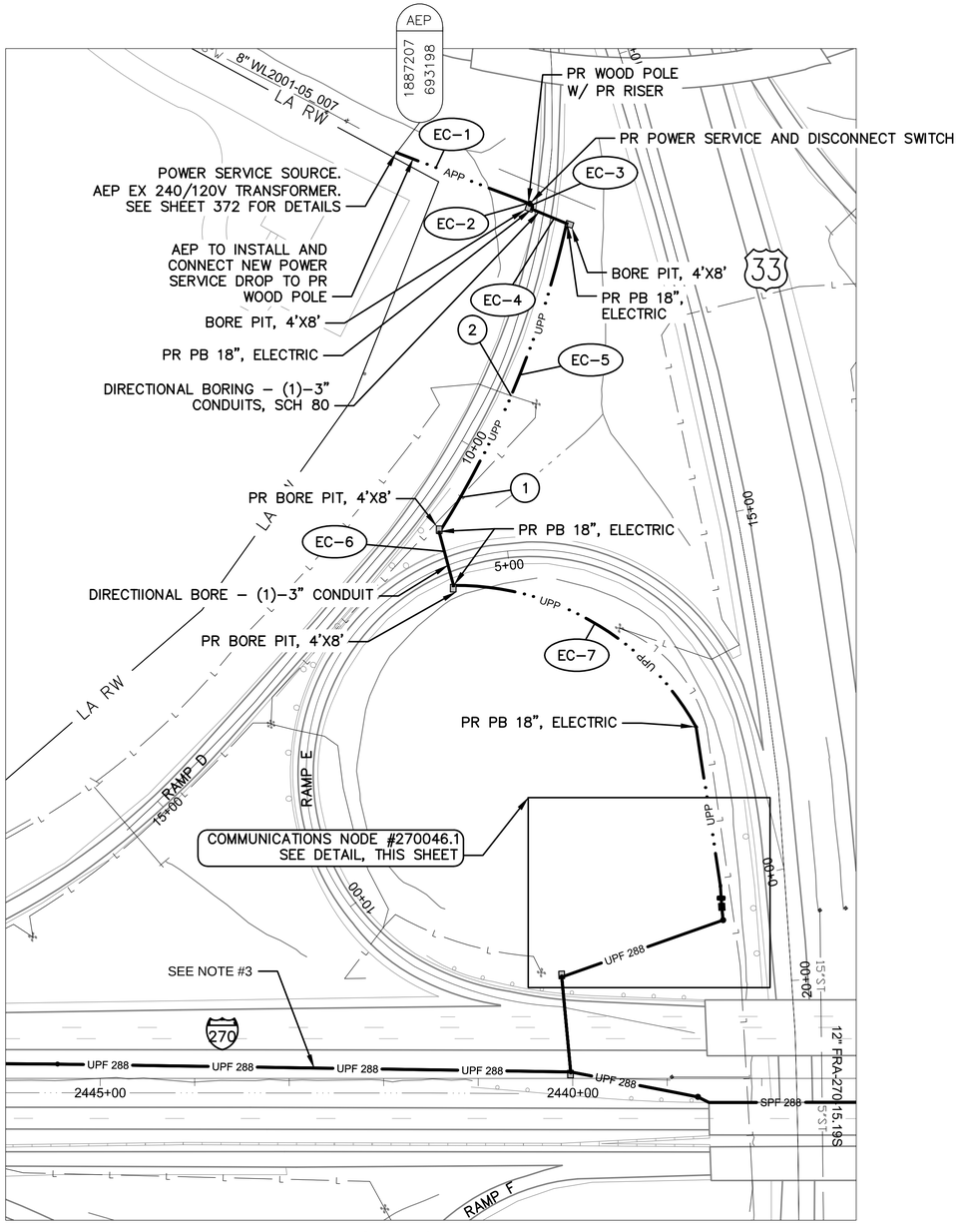
CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
IR-270 BETWEEN STATION 2437+00 AND 2446+00, NODE #270046.1

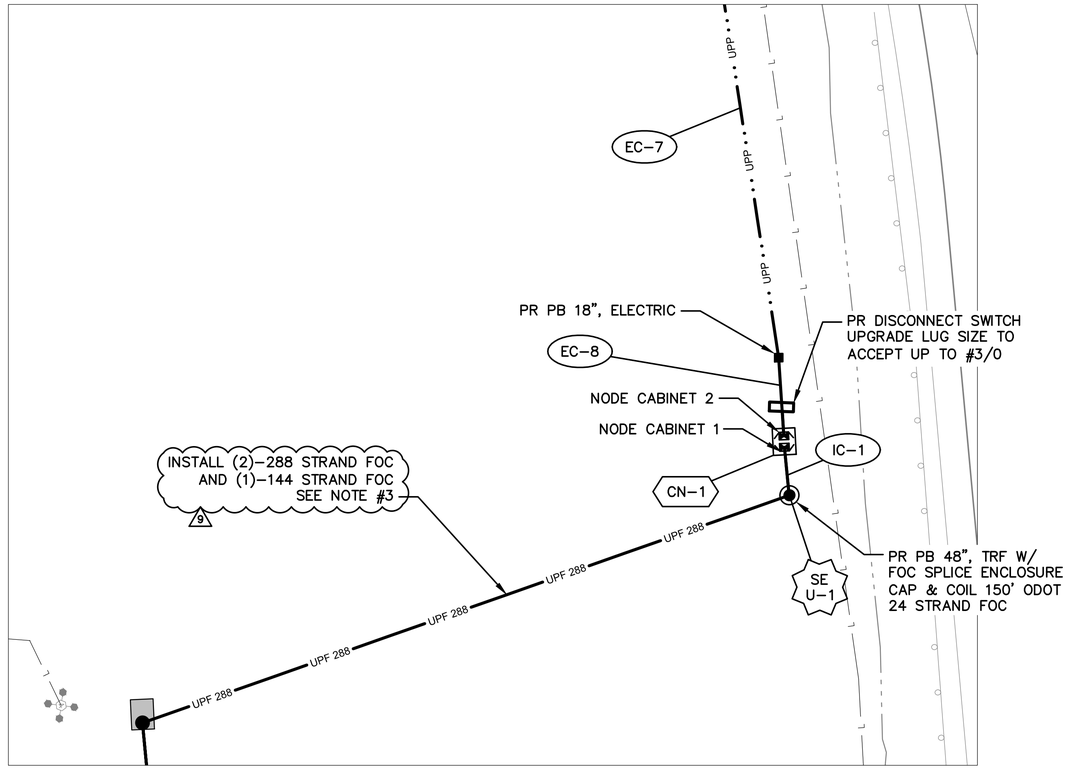
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS-BUILT

624
1000

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IR-270 BETWEEN STATION 2437+00 AND 2446+00



DETAIL - COMMUNICATIONS NODE #270046.1

0 20 40
HORIZONTAL
SCALE IN FEET

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 356.

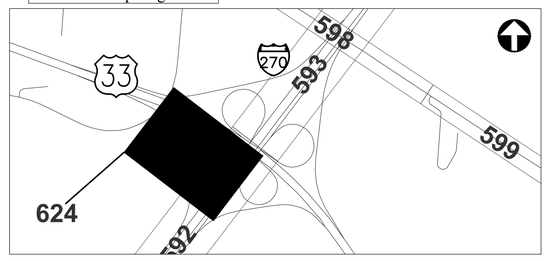
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CITY OF COLUMBUS
UTILITY LEGEND

- [X] SEWER
- [ ] WATER
- [ ] POWER
- [ ] LIGHTING

NOTES:

1. SEE SHEETS 625 & 626 FOR QUANTITIES.
2. SEE SHEETS 682 & 980 FOR COMMUNICATION DETAILS.
3. SEE SHEET 592 FOR INTERCONNECT PLAN.
4. SEE SHEET 372 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.



REFER TO SHEET 350 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

9 REVISION 9.0
12–17–2018

3150-E

0 80 160
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
IR–270 BETWEEN STATION 2437+00 AND 2446+00, NODE #270046.1

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

624
1000

J:\Jobs\60135\TECHPROD\Sheets\Details\CTSS_PhD_TRUNK1-NODE_270046.dwg - NODE #270046.1 layout - last saved by: skgunti 12/17/2018 05:27pm ~ printed 12/17/2018 05:56pm

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625	625	625	625	625	625	625	625	625	625	632	632	632	632	632	632	632	632	632
					CONDUIT, 2", AS PER PLAN	CONDUIT, 3", AS PER PLAN	CONDUIT, 4", AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	DISTRIBUTION CABLE, NO. 2/0	DISTRIBUTION CABLE, NO. 6	GROUND ROD	POWER SERVICE, TYPE G, AS PER PLAN	PULL BOX, 18", 725.08, AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.051, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU
			FROM	TO	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH
NODE #270046.1: IR-270 AT US-33																							
624	IC-1	I-270	2438+41, 167' RT	2438+42, 180' RT			30								15						2	1	
624	SE U-1	I-270	2438+41, 167' RT											1			150	150	192				2
624	CN-1	I-270	2438+42, 182' RT							30	2									1			
624	EC-8	I-270	2438+42, 183' RT	2438+44, 204' RT	21					63					21								2
624	EC-7	I-270	2438+44, 204' RT	2441+26, 541' RT		481			1443				2		481								
624	EC-4	I-270	2440+06, 904' RT	2440+53, 927' RT				41	123				2										
624	EC-5	I-270	2440+06, 904' RT	2441+41, 577' RT		355			1065						355								
624	EC-3	I-270	2440+53, 927' RT	2440+66, 932' RT	10				30						10								
624	EC-1	I-270	2440+66, 932' RT	2441+86, 979' RT					450														
624	EC-2	I-270	2440+66, 93[illegible] RT						105				1										
624	EC-6	I-270	2441+26, 5[illegible] RT	2441+41, 57[illegible] RT				58	74				2										
SHEET TOTAL					31	836	30	99	3390	93	3	1	6	1	882	1	150	150	192	1	2	1	2	2

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

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

IR-270 AT US-33
NODE #270046.1

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

625
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_TrunkAll_NODE_IC_QUANTITIES.dwg - IR-270 at US-33 layout ~ last saved by: gburch 07/29/2016 05:07pm ~ printed 03/19/2020 06:27pm

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632	632	632	633	633	633														
					INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH														
			FROM	TO	EACH	FT	EACH	EACH	EACH	EACH														
NODE #270046.1: IR-270 AT US-33																								
624	IC-1	I-270	2438+41, 167' RT	2438+42, 180' RT																				
624	SE U-1	I-270	2438+41, 167' RT																					
624	CN-1	I-270	2438+42, 182' RT		1			1	4	1														
624	EC-8	I-270	2438+42, 183' RT	2438+44, 204' RT																				
624	EC-7	I-270	2438+44, 204' RT	2441+26, 541' RT																				
624	EC-4	I-270	2440+06, 904' RT	2440+53, 927' RT																				
624	EC-5	I-270	2440+06, 904' RT	2441+41, 577' RT																				
624	EC-3	I-270	2440+53, 927' RT	2440+66, 932' RT																				
624	EC-1	I-270	2440+66, 932' RT	2441+86, 979' RT		150																		
624	EC-2	I-270	24 +66, 2 RT				1																	
624	EC-6	I-270	24 +26, 41 RT	24 +41, 7 RT																				
SHEET TOTAL					1	150	1	1	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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

3150-E

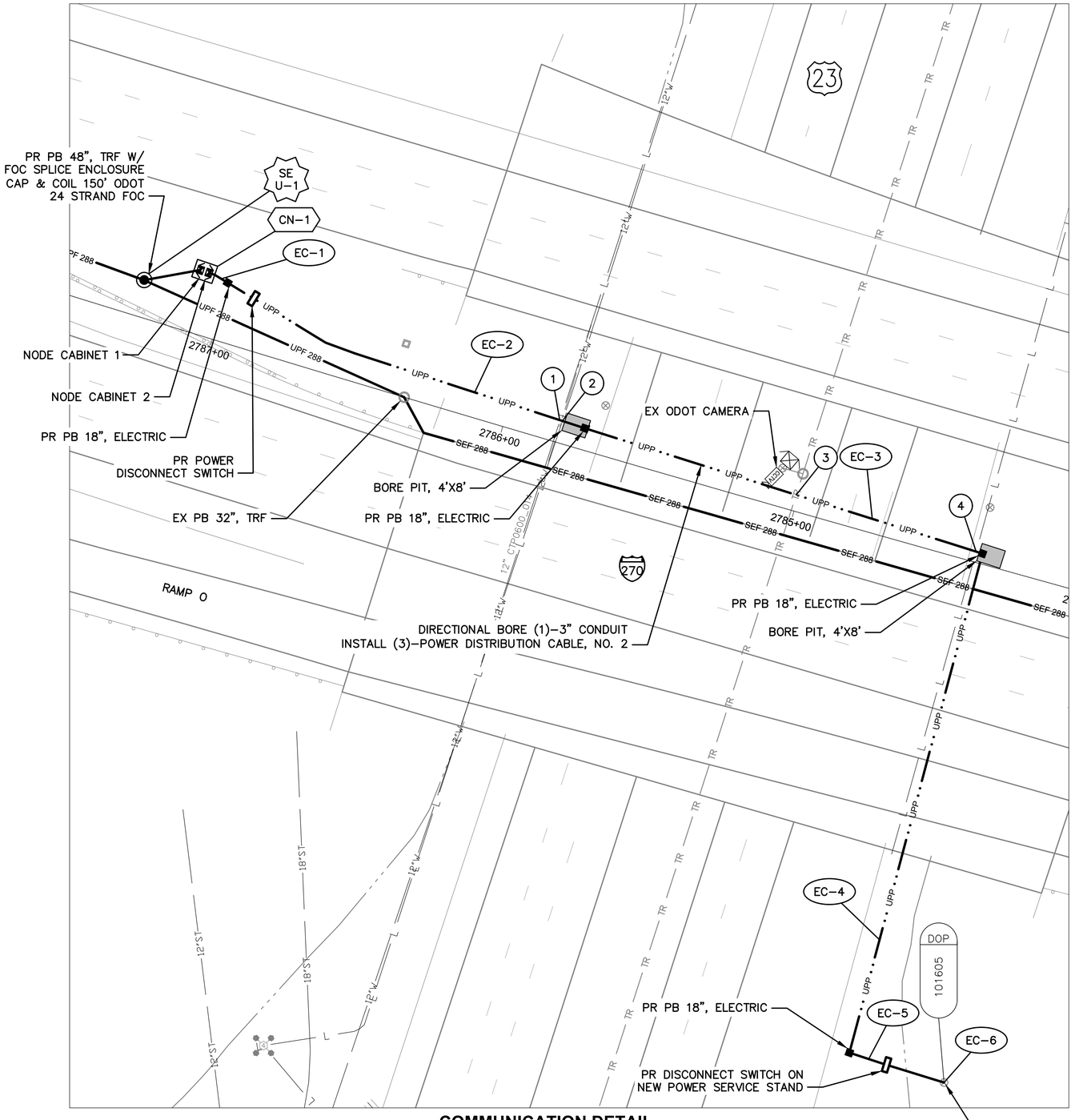
CIP: 540007-100006
PID NUMBER: 82573

IR-270 AT US-33
NODE #270046.1

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

626
1000

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COMMUNICATION DETAIL
NODE # 270052.7

NOTES:

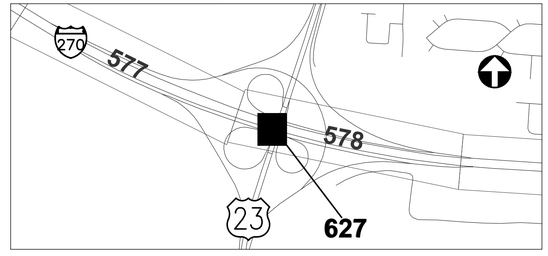
1. SEE SHEET 628 FOR QUANTITIES.
2. SEE SHEETS 682 & 982 FOR COMMUNICATION DETAILS.
3. SEE SHEET 578 FOR INTERCONNECT PLAN.
4. SEE SHEET 373 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100006
PID NUMBER: 82573

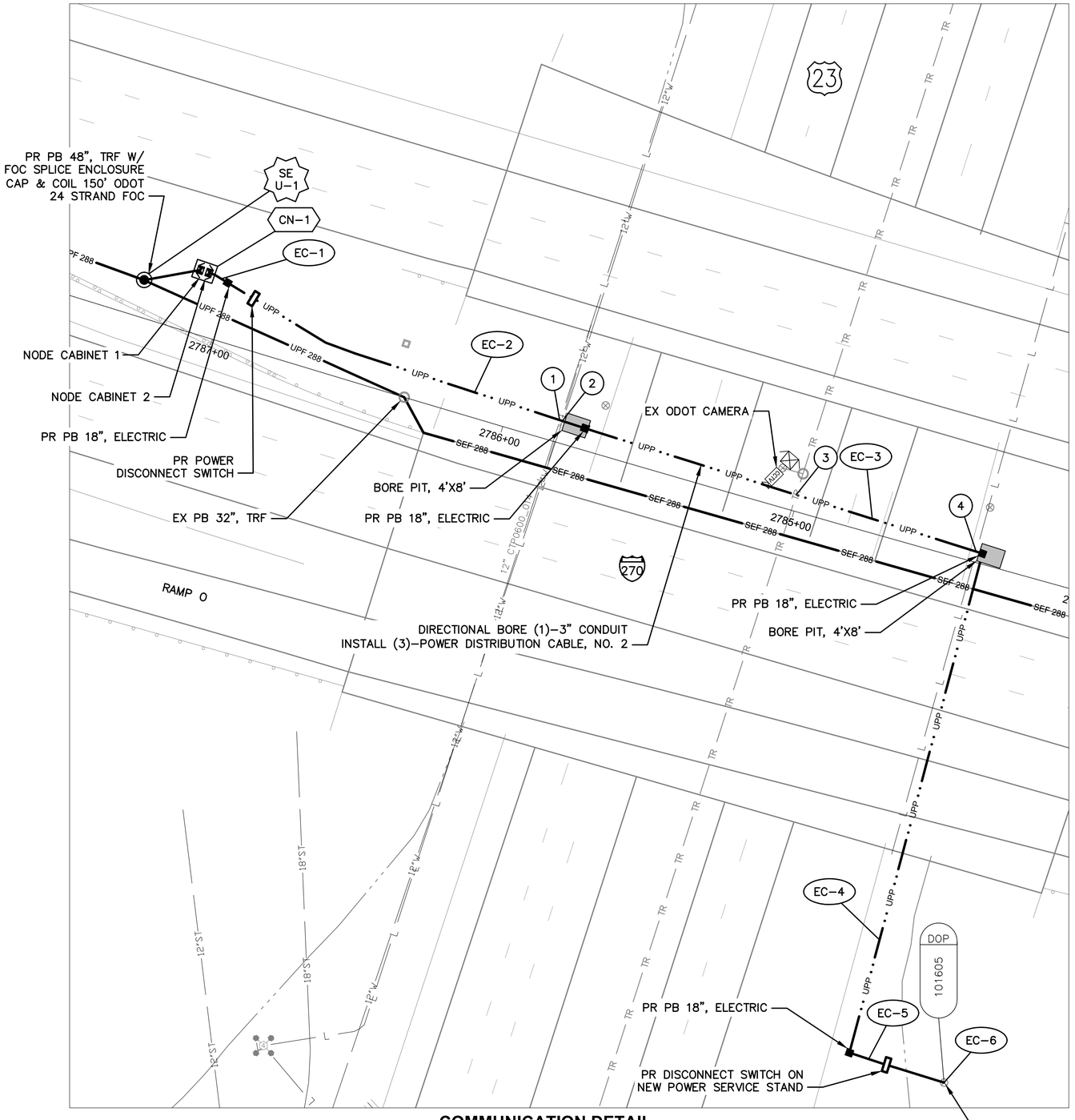
COMMUNICATIONS NODE PLAN
I-270 AT US-23, NODE #270052.7

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

627
1000

3150-E

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COMMUNICATION DETAIL
NODE # 270052.7

NOTES:

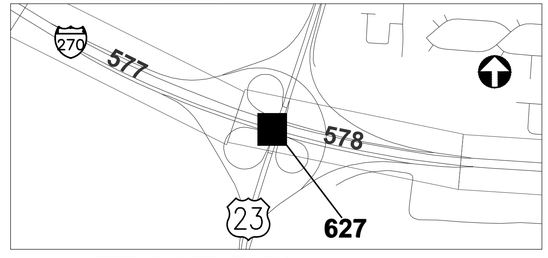
1. SEE SHEET 628 FOR QUANTITIES.
2. SEE SHEETS 682 & 982 FOR COMMUNICATION DETAILS.
3. SEE SHEET 578 FOR INTERCONNECT PLAN.
4. SEE SHEET 373 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 351 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
I-270 AT US-23, NODE #270052.7

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

627
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	625 CONDUIT, 2", AS PER PLAN	625 CONDUIT, 3", AS PER PLAN	625 CONDUIT, 4", AS PER PLAN	625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	625 DISTRIBUTION CABLE, NO. 2	625 GROUND ROD	625 POWER SERVICE, TYPE H, AS PER PLAN	625 PULL BOX, 18", 725.08, AS PER PLAN	625 PULL BOX, CONCRETE 48", AS PER PLAN	625 TRENCH, 36" DEEP, AS PER PLAN	632 CONDUIT RISER, 2", 725.051, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	633 CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH
					FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
NODE #270052.7: IR-270 AT US-23																									
627	EC-3	I-270	2784+46, 4' RT	2785+74, 7' RT				138	414			1													
627	EC-4	I-270	2784+35, 167' LT	2784+46, 4' RT		170			510			1		170											
627	EC-5	I-270	2784+35, 167' LT	2784+02, 168' LT	33				99					33											
627	EC-6	I-270	2784+02, 168' LT						105	1	1				1										
627	EC-2	I-270	2785+74, 7' RT	2786+64, 10' RT		90			270			2		90											
627	EC-1	I-270	2786+64, 10' RT	2786+65, 18' RT	8				24					8											
627	CN-1	I-270	2786+65, 18' RT						30	2									1			1	1	2	1
627	IC-1	I-270	2786+65, 18' RT	2786+95, 36' RT			66							33						1					
627	SE U-1	I-270	2786+95, 36' RT										1				150				1				
SHEET TOTAL					41	260	66	138	1452	3	1	4	1	334	1	150	150	48	1	1	1	1	1	2	1

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

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

3150-E

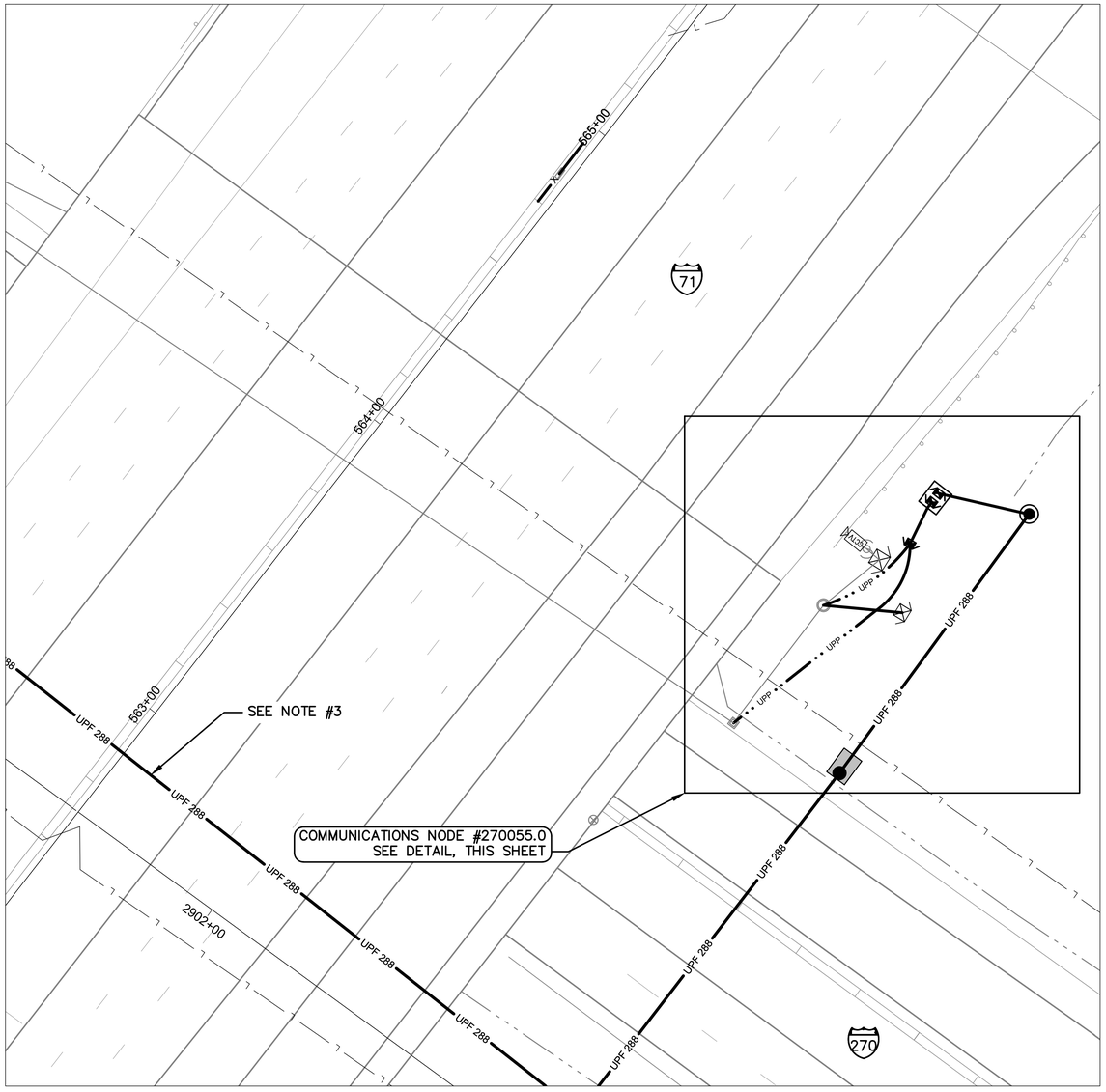
CIP: 540007–100006
PID NUMBER: 82573

IR–270 AT US–23
NODE #270052.7

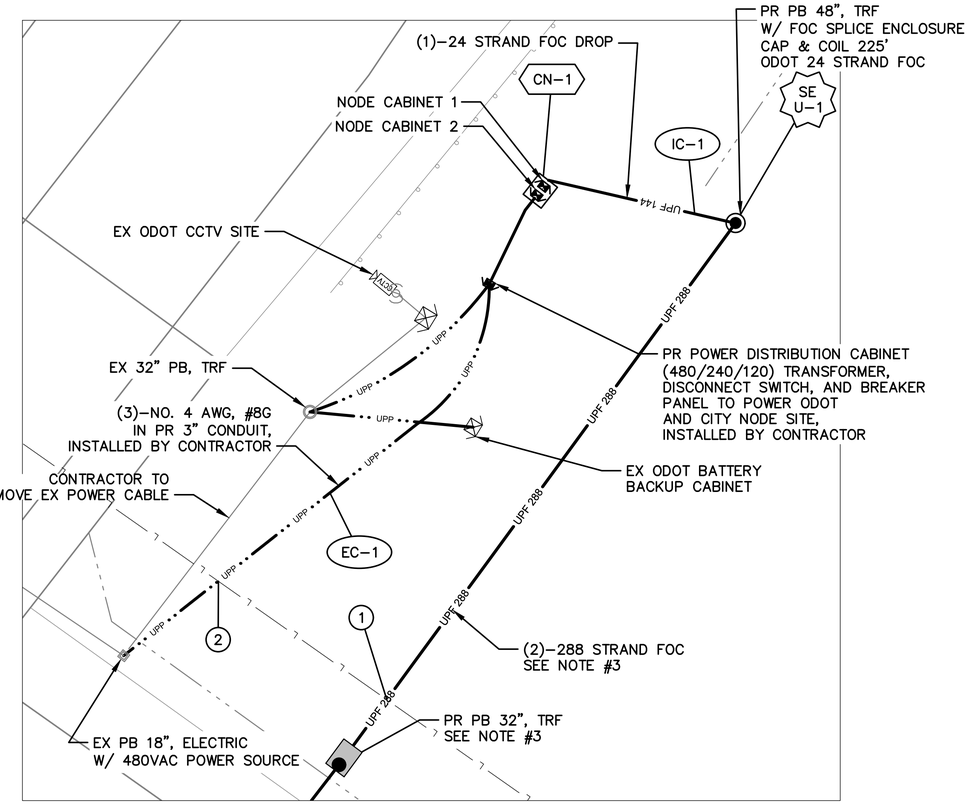
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

628
1000

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COMMUNICATION DETAIL
NODE # 270055.0



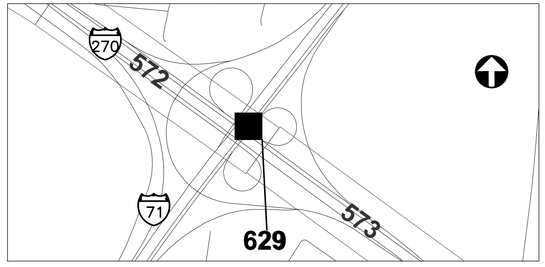
DETAIL - COMMUNICATIONS NODE #270055.0

0 10 20
HORIZONTAL
SCALE IN FEET

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 356.

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



REFER TO SHEET 351 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

NOTES:

1. SEE SHEET 630 FOR QUANTITIES.
2. SEE SHEETS 682 & 983 FOR COMMUNICATION DETAILS.
3. SEE SHEET 572 FOR INTERCONNECT PLAN.
4. SEE SHEETS 374–375 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

0 20 40
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

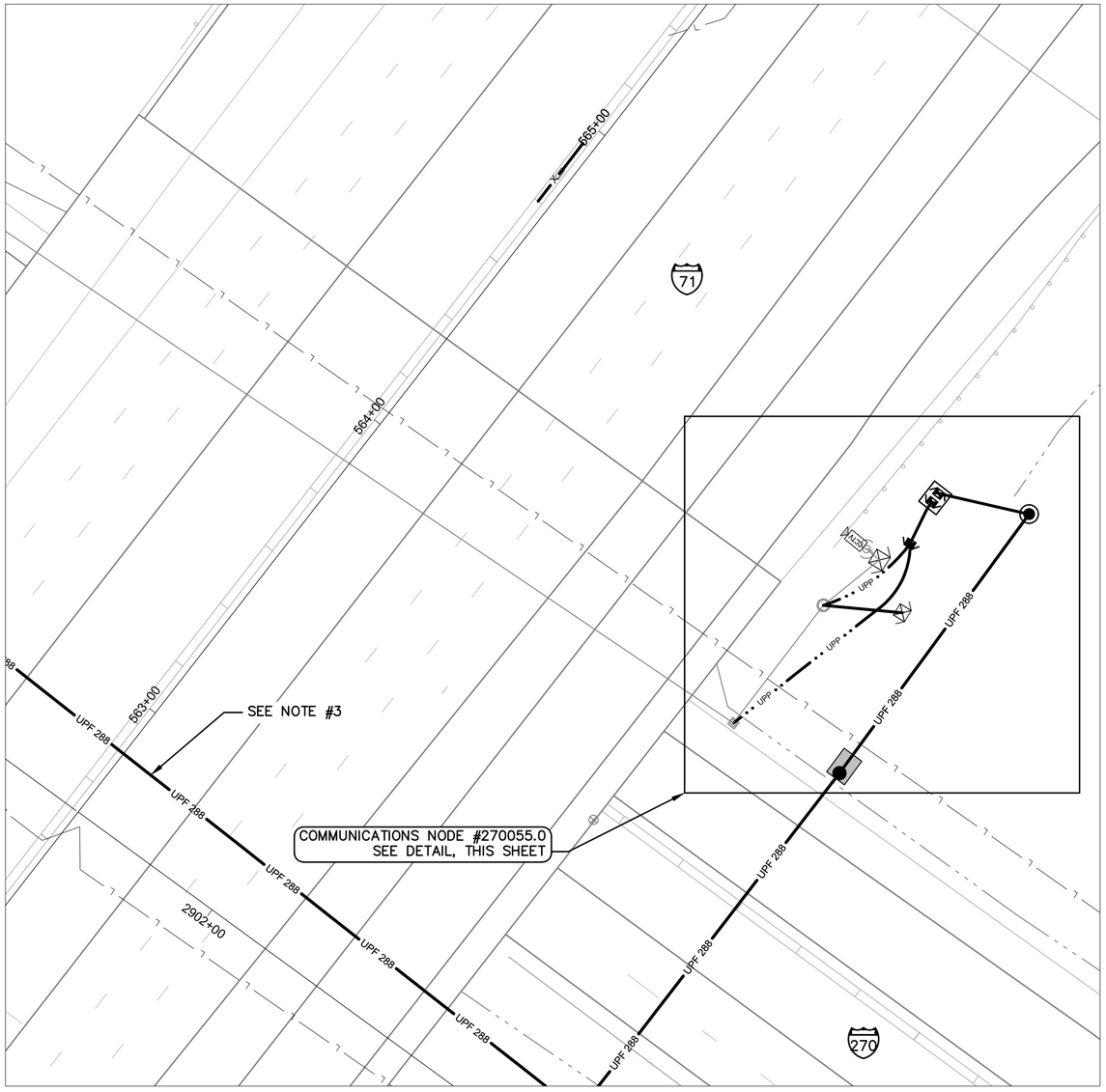
COMMUNICATIONS NODE PLAN
I–270 AT I–71 (SOUTH), NODE #270055.0

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

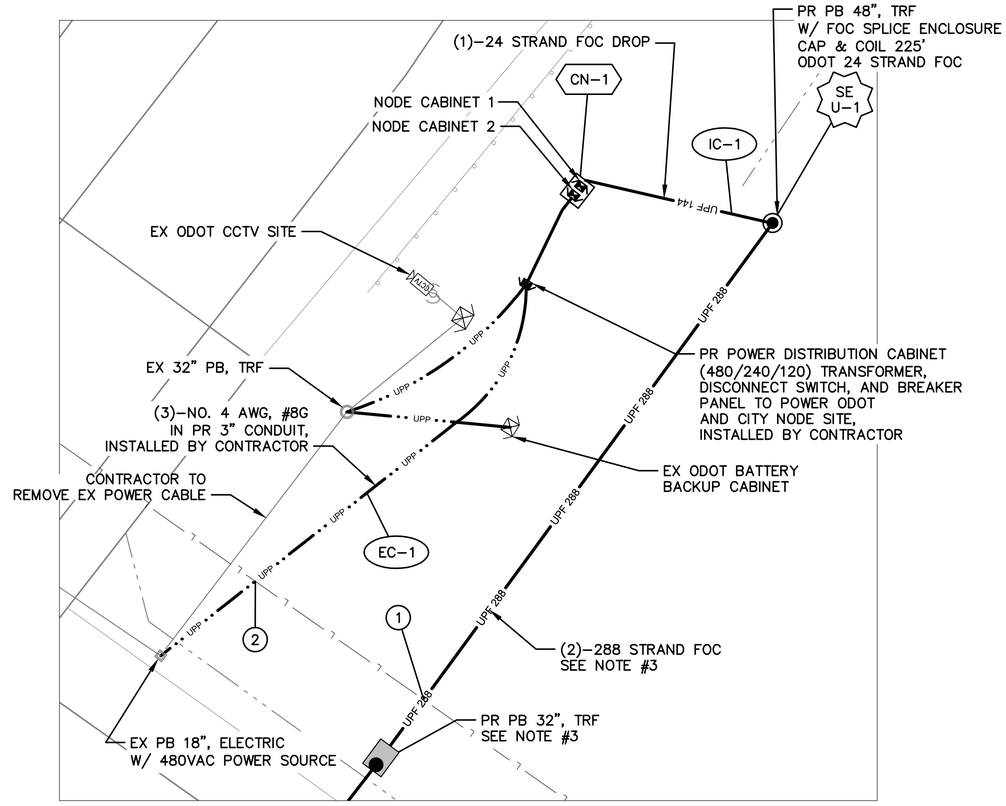
629
1000

3150-E

J:\Jobs\60135\TECHPROD\Sheets\Details\CTSS_PhD_TRUNK1-NODE_2700550.dwg - NODE #270055.0 layout - last saved by: gburch 11/08/2018 08:57am - printed 03/19/2020 06:34pm



COMMUNICATION DETAIL
NODE # 270055.0



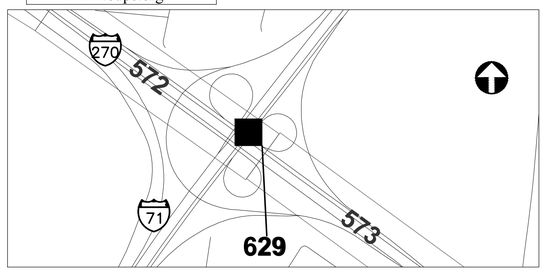
DETAIL - COMMUNICATIONS NODE #270055.0

0 10 20
HORIZONTAL
SCALE IN FEET

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 356.

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



REFER TO SHEET 351 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

NOTES:

1. SEE SHEET 630 FOR QUANTITIES.
2. SEE SHEETS 682 & 983 FOR COMMUNICATION DETAILS.
3. SEE SHEET 572 FOR INTERCONNECT PLAN.
4. SEE SHEETS 374–375 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

0 20 40
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
I–270 AT I–71 (SOUTH), NODE #270055.0

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

3150-E

629
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625	625	625	625	625	625	625	625	632	632	632	632	632	632	632	633	633	633		
					CONDUIT, 3", AS PER PLAN	CONDUIT, 4", AS PER PLAN	DISTRIBUTION CABLE, NO. 4	GROUND ROD	POWER SERVICE, TYPE I, AS PER PLAN	PULL BOX, 18", 725.08, AS PER PLAN	PULL BOX, CONCRETE 48", , AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH		
			FROM	TO	FT	FT	FT	EACH	EACH	EACH	EACH	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		
NODE #270055.0: IR-270 AT IR-71																								
629	EC-1	I-71	563+95, 126' RT	564+77, 132' RT	91		273	1	1	1		91												
629	EC-3	I-71	564+35, 126' RT	564+43, 138' RT	14							14												
629	EC-2	I-71	564+55, 126' RT	564+63, 126' RT	39							39												
629	CN-1	I-71	564+77, 132' RT				30	2								1			1	1	2	1		
629	IC-1	I-71	564+79, 132' RT	565+00, 165' RT		62											1							
629	SE U-1	I-71	565+00, 165' RT								1		225	150	48			1						
SHEET TOTAL					144	62	303	3	1	1	1	175	225	150	48	1	1	1	1	1	2	1	-	-

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

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

3150-E

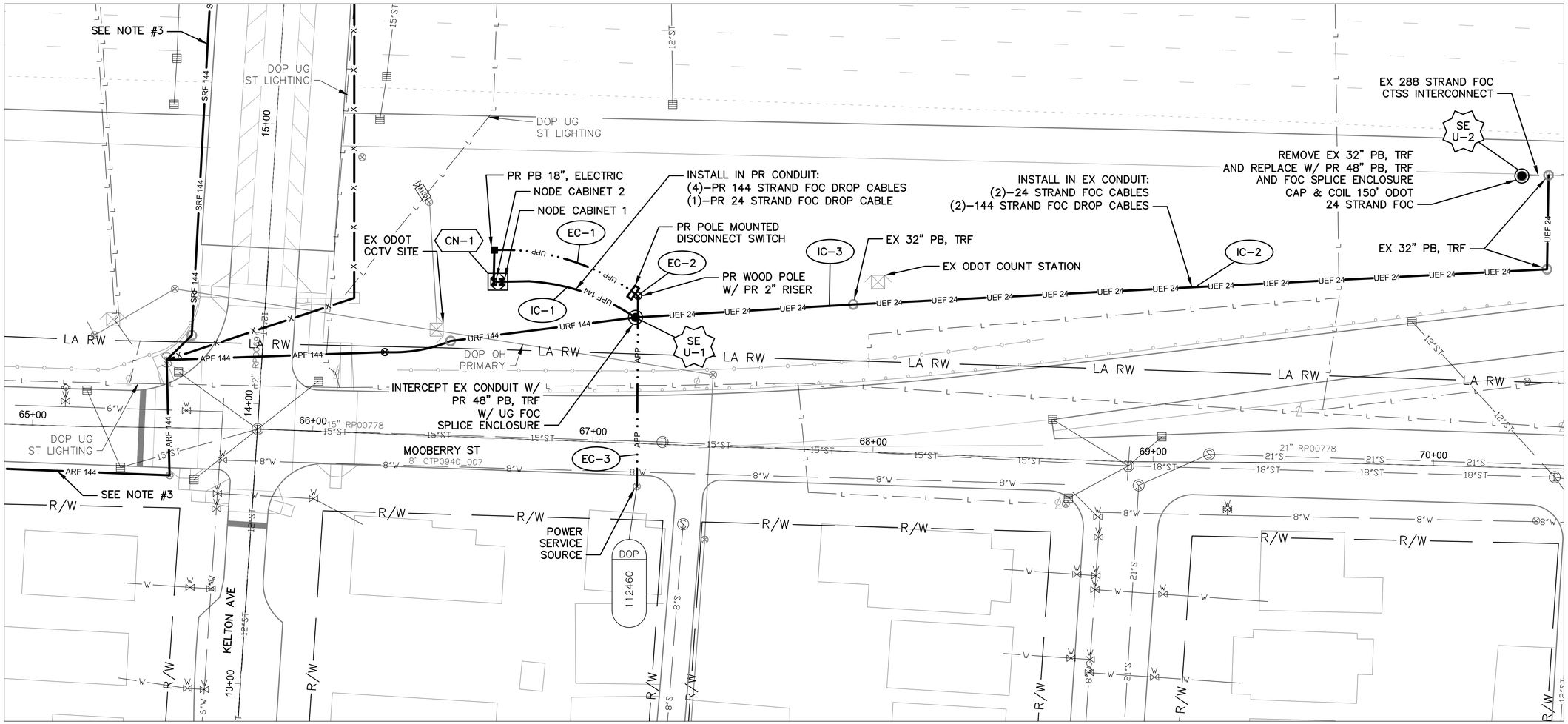
CIP: 540007-100006
PID NUMBER: 82573

IR-270 AT IR-71
NODE #270055.0

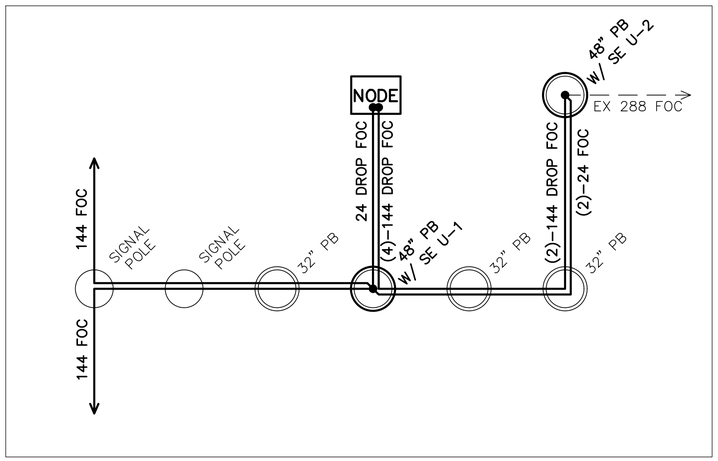
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

630
1000

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COMMUNICATION DETAIL
NODE #070102.3



CABLE SCHEMATIC - NODE #070102.3
NOT TO SCALE

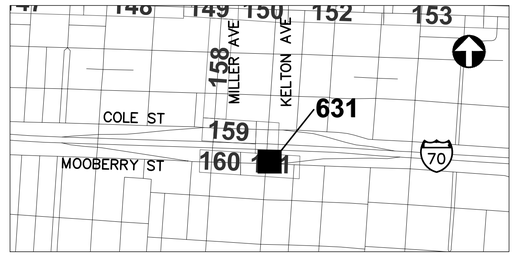
NOTES:

1. SEE SHEETS 632 & 633 FOR QUANTITIES.
2. SEE SHEETS 680, 962 & 963 FOR COMMUNICATION DETAILS.
3. SEE SHEET 161 FOR INTERCONNECT PLAN.
4. SEE SHEET 369 FOR POWER SERVICE DETAILS.

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 20 40

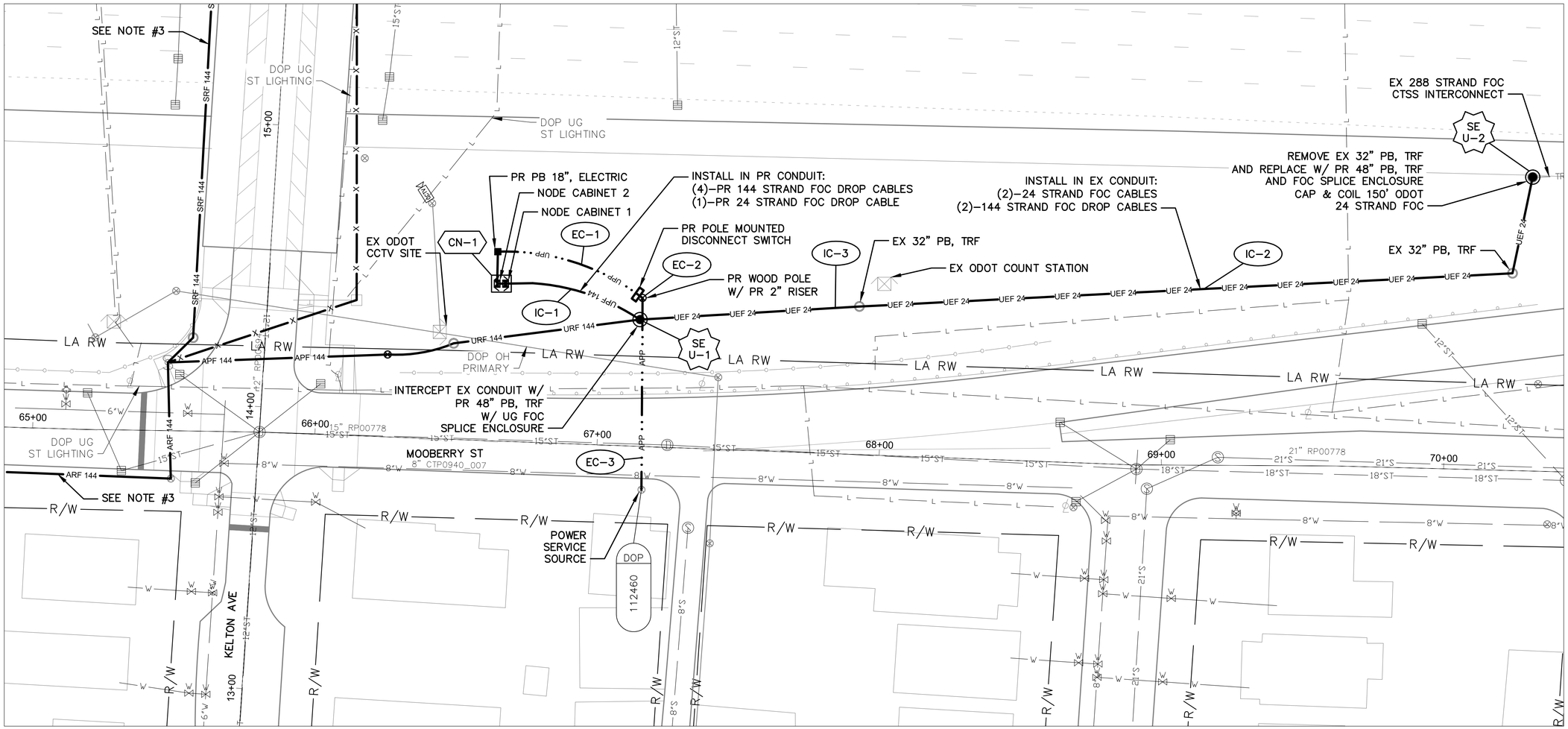
CIP: 540007–100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
IR–70 AT KELTON AVE, NODE #070102.3

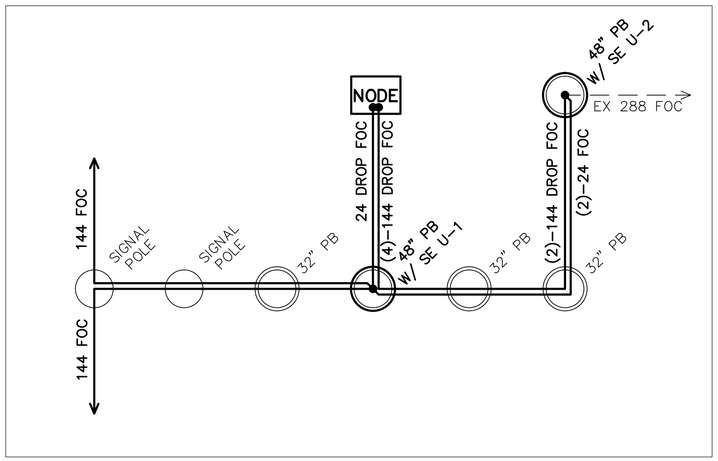
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

631
1000

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COMMUNICATION DETAIL
NODE #070102.3



CABLE SCHEMATIC - NODE #070102.3
NOT TO SCALE

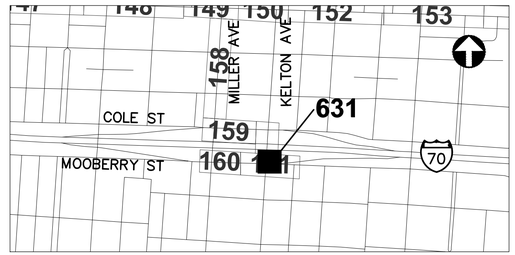
NOTES:

1. SEE SHEETS 632 & 633 FOR QUANTITIES.
2. SEE SHEETS 680, 962 & 963 FOR COMMUNICATION DETAILS.
3. SEE SHEET 161 FOR INTERCONNECT PLAN.
4. SEE SHEET 369 FOR POWER SERVICE DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
IR-70 AT KELTON AVE, NODE #070102.3

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

631
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	625	625	625	625	625	632	632	632	632	632	632	632	632	632
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, 2", AS PER PLAN	CONDUIT, 4", AS PER PLAN	DISTRIBUTION CABLE, NO. 6	GROUND ROD	POWER SERVICE, TYPE B, AS PER PLAN	PULL BOX, 18", 725.08, AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	PULL BOX, REMOVED, AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.051, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	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.: SPLICE ENCLOSURE, DOME, 800 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU
			FROM	TO	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH
NODE #070102.3: IR-70 AT MILLER AVE.																								
631	EC-1	I-70	66+64, 56' LT	67+14, 53' LT		66		198			1			66										
631	EC-2	I-70	67+14, 53' LT					105	1						1									
631	EC-3	I-70	67+14, 53' LT	67+16, 15' RT				204		1														
631	CN-1	I-70	66+64, 56' LT					30	2										1					2
631	IC-1	I-70	66+66, 56' LT	67+14, 45' LT			100							50						2		1		
631	IC-3	I-70	66+66, 56' LT	70+29, 104' LT																	2			
631	SE U-1	I-70	67+14, 45' LT									1				225	75	312					1	
631	IC-2	I-70	67+14, 45' LT	70+29, 104' LT	344												688							
631	SE U-2	I-70	70+29, 104' LT									1	1				450	336					1	
SHEET TOTAL					344	66	100	537	3	1	1	2	1	116	1	225	1213	648	1	2	2	1	2	2

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

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

IR–70 AT MILLER AVE.
NODE #070102.3

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

632
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632	632	632	632	633	633	633
					INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH
			FROM	TO	EACH	EACH	FT	EACH	EACH	EACH	EACH
NODE #070102.3: IR-70 AT MILLER AVE.											
631	EC-1	I-70	66+64, 56' LT	67+14, 53' LT							
631	EC-2	I-70	67+14, 53' LT					1			
631	EC-3	I-70	67+14, 53' LT	67+16, 15' RT			68				
631	CN-1	I-70	66+64, 56' LT		1	1			1	5	1
631	IC-1	I-70	66+66, 56' LT	67+14, 45' LT							
631	IC-3	I-70	66+66, 56' LT	70+29, 104' LT							
631	SE U-1	I-70	67+14, 45' LT								
631	IC-2	I-70	67+14, 45' LT	70+29, 104' LT							
631	SE U-2	I-70	70+29, 104' LT								
SHEET TOTAL					1	1	68	1	1	5	1

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

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

3150-E

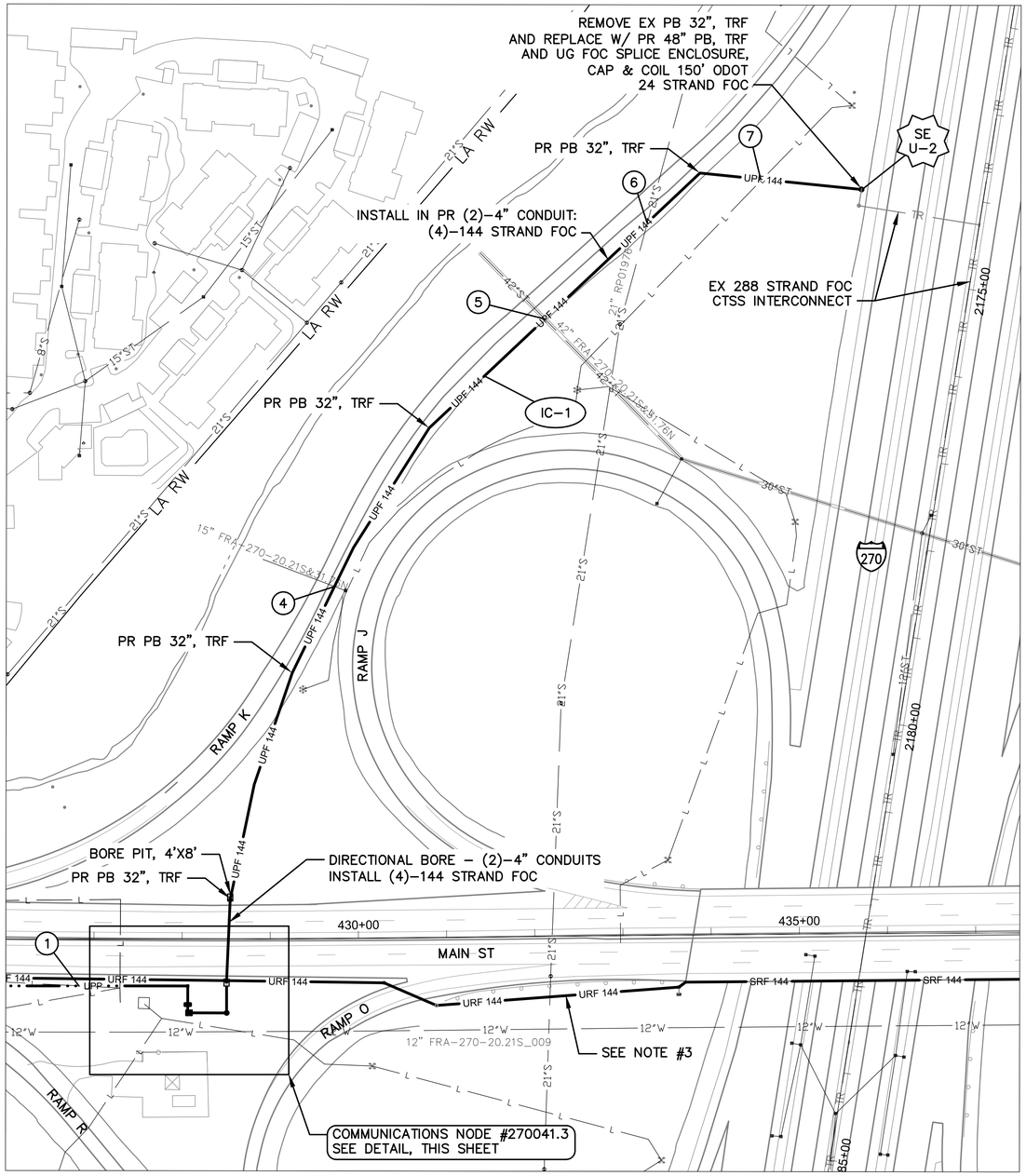
CIP: 540007-100006
PID NUMBER: 82573

IR-70 AT MILLER AVE.
NODE #070102.3

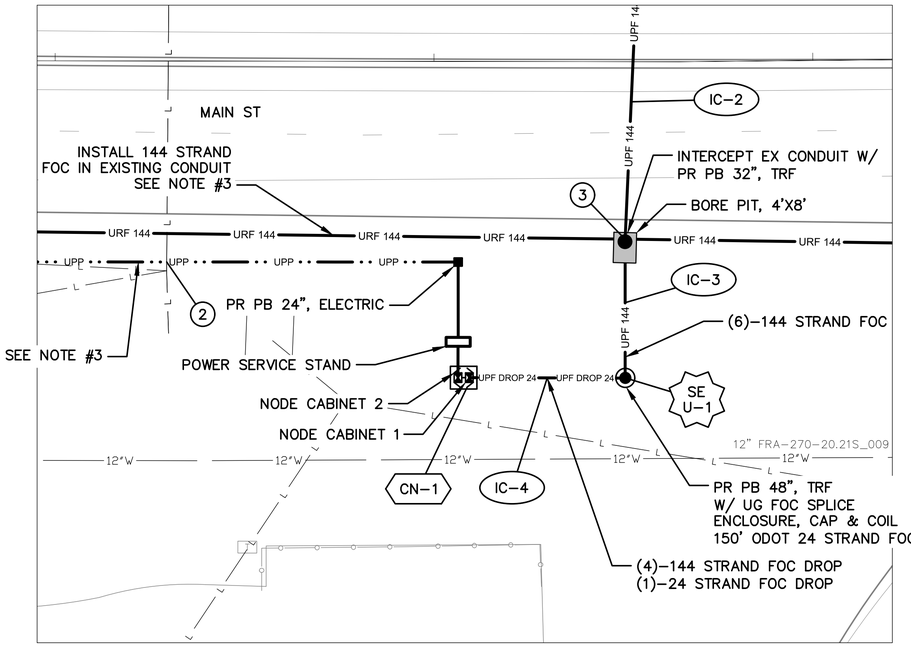
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

633
1000

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MAIN ST BETWEEN STATION 426+00 AND 437+50

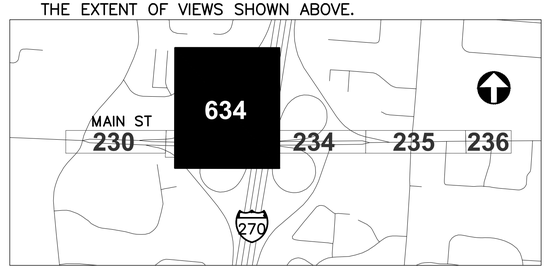


DETAIL - COMMUNICATIONS NODE #270041.3

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 635 FOR QUANTITIES.
2. SEE SHEET 679, 978 & 979 FOR COMMUNICATION DETAILS.
3. SEE SHEETS 230–231 FOR INTERCONNECT AND POWER SERVICE PLAN.
4. SEE SHEET 371 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.



REFER TO SHEET 349 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING

3150-E

0 80 160
HORIZONTAL
SCALE IN FEET

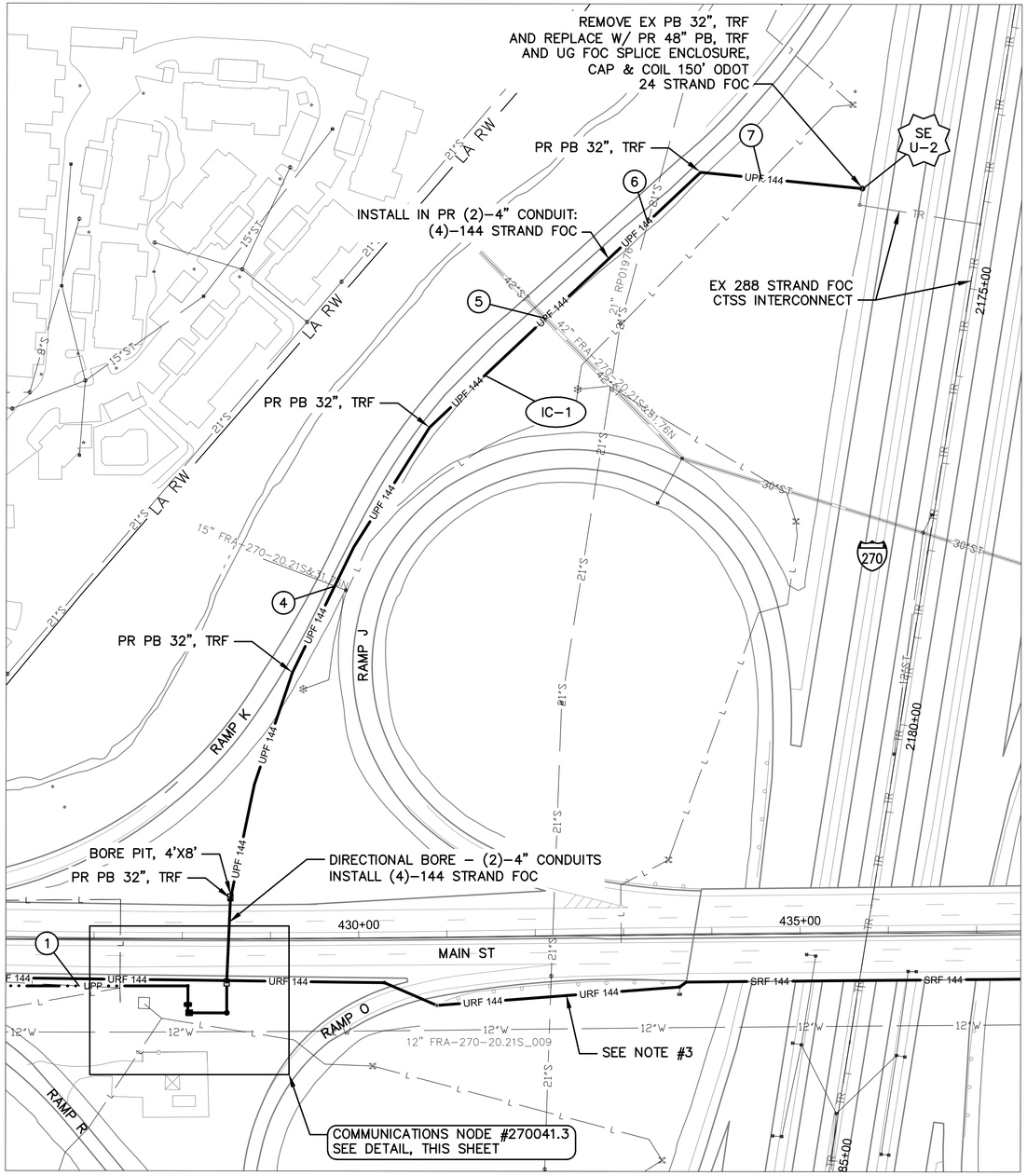
CIP: 540007–100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
MAIN ST BETWEEN STATION 433+00 AND 445+00, NODE #270041.3

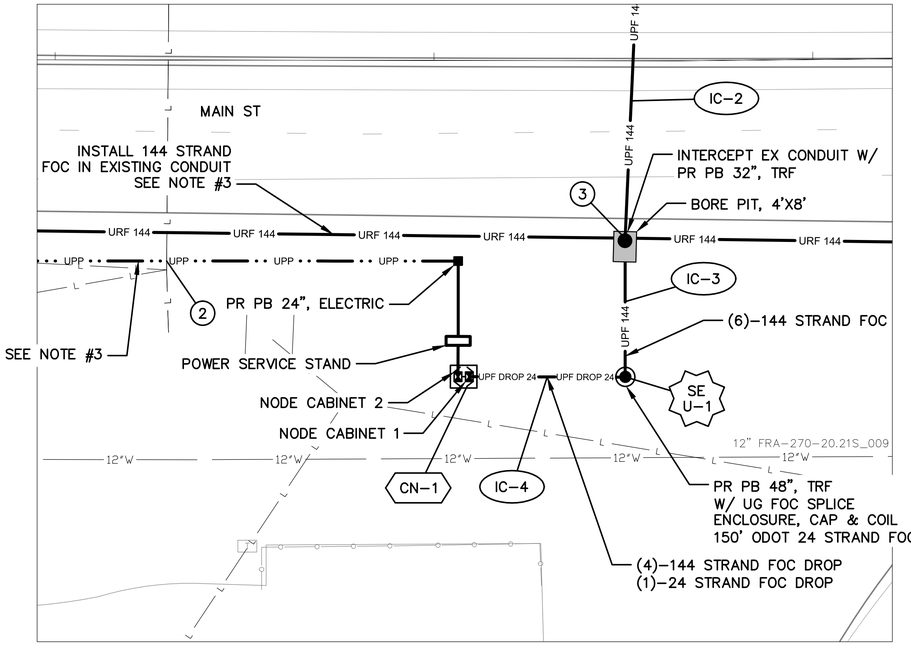
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D – CONSTRUCTION AS–BUILT

634
1000

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MAIN ST BETWEEN STATION 426+00 AND 437+50

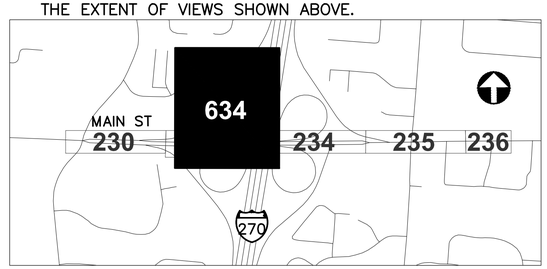


DETAIL - COMMUNICATIONS NODE #270041.3

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 635 FOR QUANTITIES.
2. SEE SHEET 679, 978 & 979 FOR COMMUNICATION DETAILS.
3. SEE SHEETS 230–231 FOR INTERCONNECT AND POWER SERVICE PLAN.
4. SEE SHEET 371 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.



REFER TO SHEET 349 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING

0 80 160
HORIZONTAL
SCALE IN FEET

CIP: 540007–100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
MAIN ST BETWEEN STATION 433+00 AND 445+00, NODE #270041.3

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

3150-E

634
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625 CONDUIT, 4", AS PER PLAN	625 CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN	625 GROUND ROD	625 PULL BOX, CONCRETE 32", AS PER PLAN	625 PULL BOX, CONCRETE 48", AS PER PLAN	625 PULL BOX, REMOVED, AS PER PLAN	625 TRENCH, 36" DEEP, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	632 INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU	633 CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH
			FROM	TO	FT	FT	EACH	EACH	EACH	EACH	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
NODE #270041.3: IR-270 AT MAIN ST.																										
634	CN-1	MAIN ST	428+08, 83' RT				2									1				2	1	1	1	6	1
634	IC-4	MAIN ST	428+08, 83' RT	428+51, 83' RT	82						41						4	1							
634	SE U-1	MAIN ST	428+51, 83' RT						1			450			600				1						
634	IC-3	MAIN ST	428+51, 83' RT	428+51, 47' RT	76						38	228	38												
634	IC-2	MAIN ST	428+51, 47' RT	428+54, 45' LT		184		2				368	92												
634	IC-1	MAIN ST	428+54, 45' LT	435+97, 954' LT	2412			2			1206	4824	1206												
634	SE U-2	MAIN ST	435+97, 954' LT						1	1			300	150	336					1					
SHEET TOTAL					2570	184	2	4	2	1	1285	5870	1636	150	936	1	4	1	2	2	1	1	1	6	1

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

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

3150-E

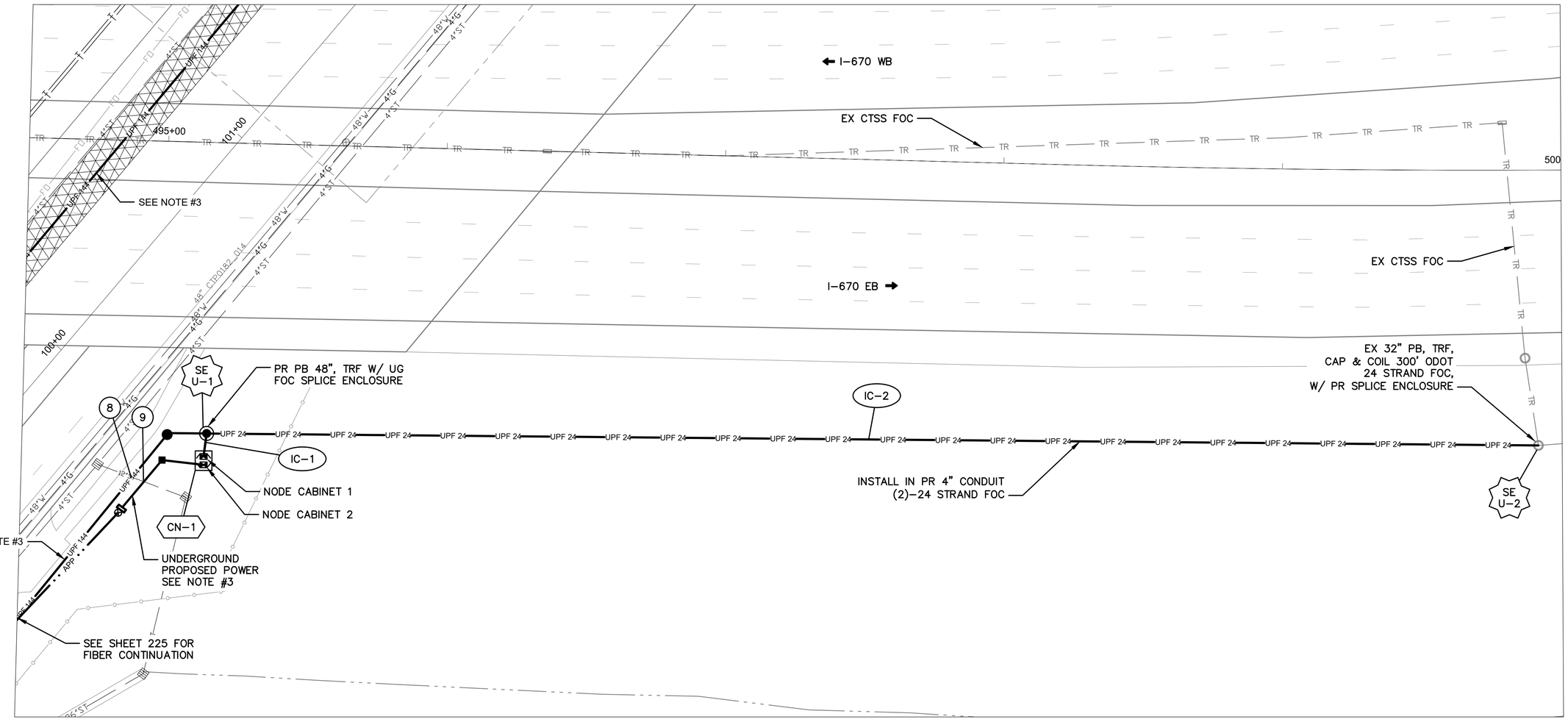
CIP: 540007–100006
PID NUMBER: 82573

IR–270 AT MAIN ST.
NODE #270041.3

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

635
1000

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I-670 BETWEEN STATION 494+50 AND 500+00
COMMUNICATION DETAIL NODE #670009.0

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☐	LIGHTING

NOTES:

1. SEE SHEET 637 FOR QUANTITIES.
2. SEE SHEETS 681, 960 & 961 FOR COMMUNICATION DETAILS.
3. SEE SHEET 225 FOR INTERCONNECT PLAN AND POWER SERVICE PLAN.
4. SEE SHEET 368 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.
6. UTILITY CROSSINGS 1-7 ARE SHOWN ON SHEET 225.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100006
PID NUMBER: 82573

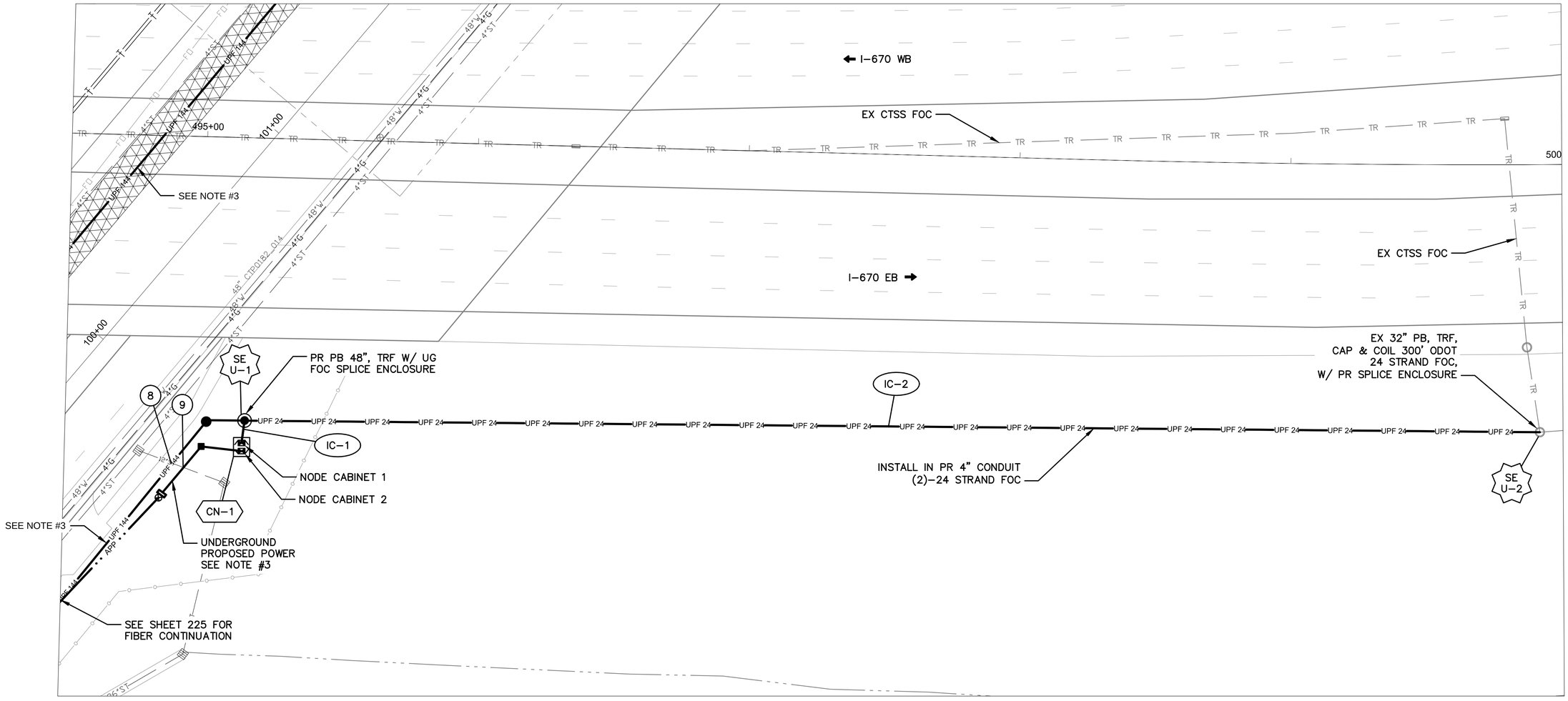
COMMUNICATIONS NODE PLAN
IR-670 AT STELZER RD, NODE #670009.0

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

636
1000

3150-E

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I-670 BETWEEN STATION 494+50 AND 500+00
COMMUNICATION DETAIL NODE #670009.0

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

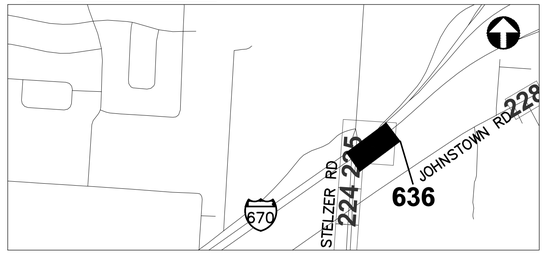
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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☐	LIGHTING

NOTES:

1. SEE SHEET 637 FOR QUANTITIES.
2. SEE SHEETS 681, 960 & 961 FOR COMMUNICATION DETAILS.
3. SEE SHEET 225 FOR INTERCONNECT PLAN AND POWER SERVICE PLAN.
4. SEE SHEET 368 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.
6. UTILITY CROSSINGS 1–7 ARE SHOWN ON SHEET 225.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
IR-670 AT STELZER RD, NODE #670009.0

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

636
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625	625	625	625	632	632	632	632	632	632	632	632	633	633	633			
					CONDUIT, 4", AS PER PLAN	GROUND ROD	PULL BOX, CONCRETE 48", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH			
			FROM	TO	FT	EACH	EACH	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH			
NODE #670009.0: IR-670 AT STELZER RD.																							
636	CN-1	I-670	495+15, 114' RT			2						1					2	1	1	4	1			
636	IC-1	I-670	495+15, 113' RT	495+16, 104' RT	16			8					2	1										
636	SE U-1	I-670	495+16, 104' RT				1		75	75	312					1								
636	IC-2	I-670	495+16, 104' RT	499+92, 99' RT	956			478		956														
636	SE U-2	I-670	499+92, 99' RT							375	48				1									
SHEET TOTAL					972	2	1	486	75	1406	360	1	2	1	1	1	2	1	1	4	1	-	-	-

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

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

3150-E

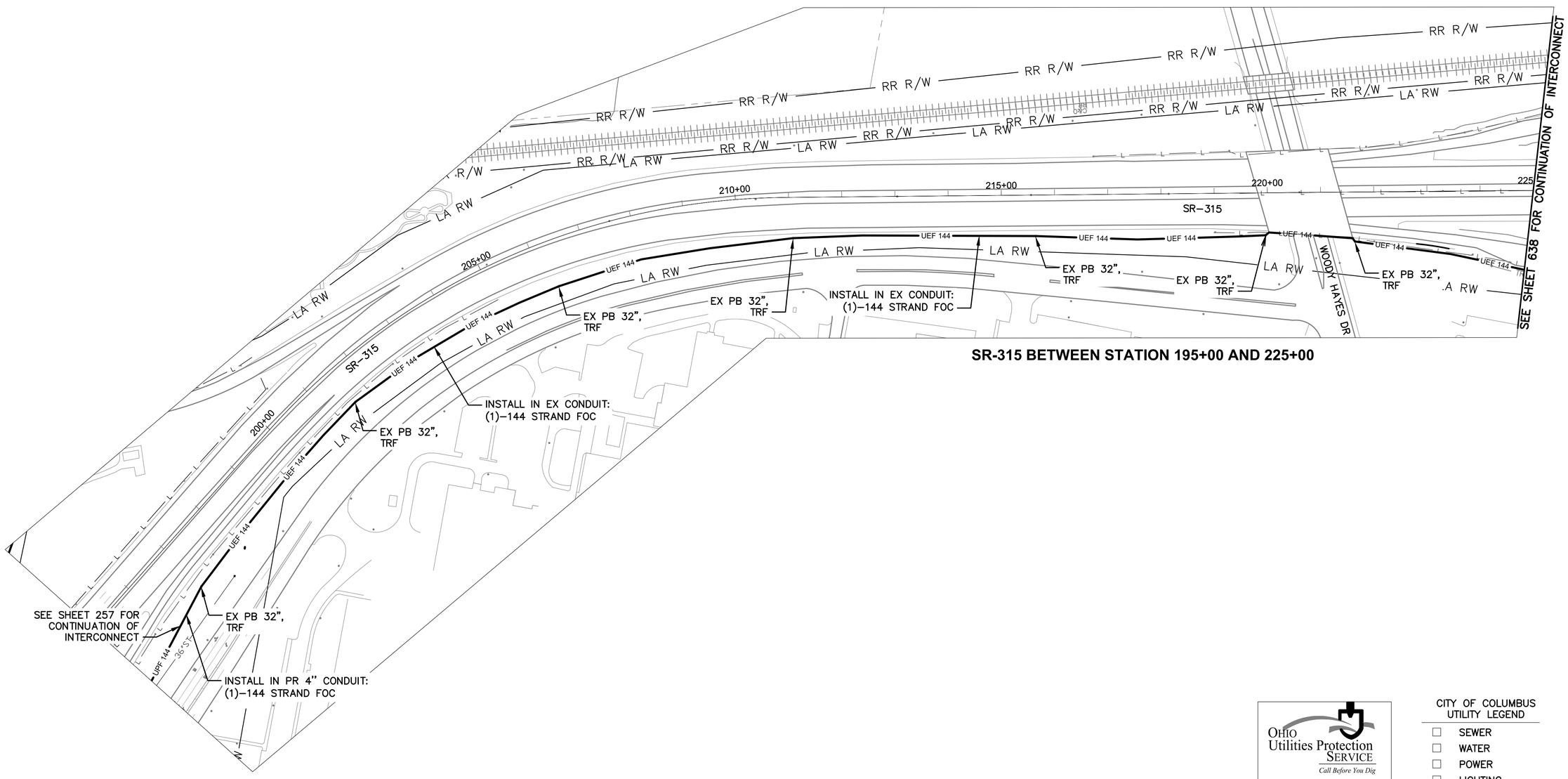
CIP: 540007–100006
PID NUMBER: 82573

IR–670 AT STELZER RD.
NODE #670009.0

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

637
1000

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SR-315 BETWEEN STATION 195+00 AND 225+00

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

9 REVISION 9.0
12-17-2018

3150-E

HORIZONTAL SCALE IN FEET
0 50 100 150 200

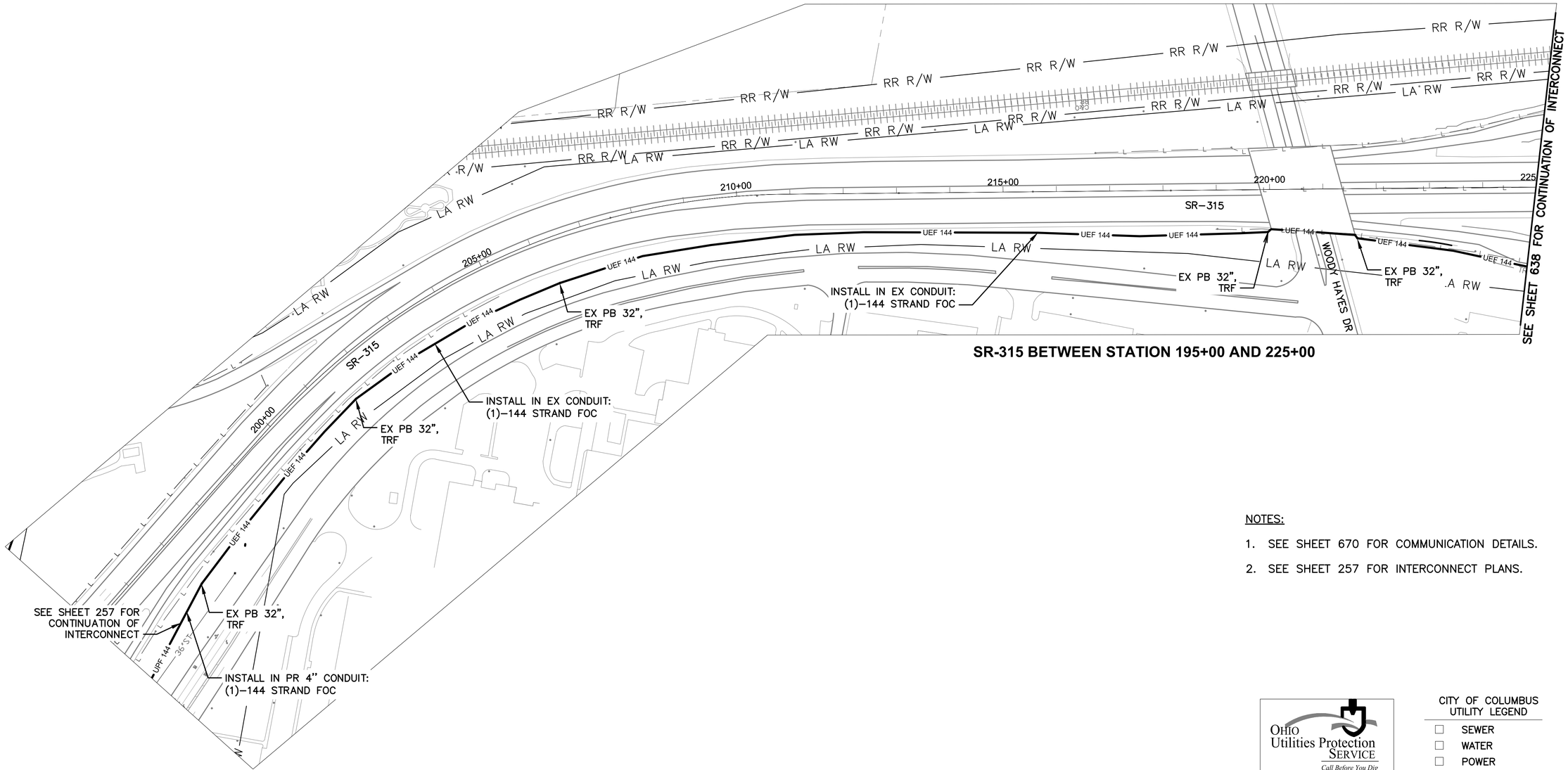
CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
SR-315 BETWEEN STATION 195+00 AND 225+00

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

637A
1000

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SR-315 BETWEEN STATION 195+00 AND 225+00

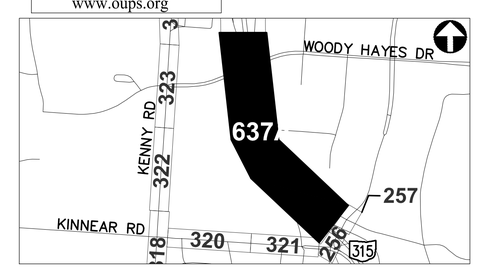
NOTES:

1. SEE SHEET 670 FOR COMMUNICATION DETAILS.
2. SEE SHEET 257 FOR INTERCONNECT PLANS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

9 REVISION 9.0
12-17-2018

3150-E

HORIZONTAL SCALE IN FEET
0 50 100 150 200

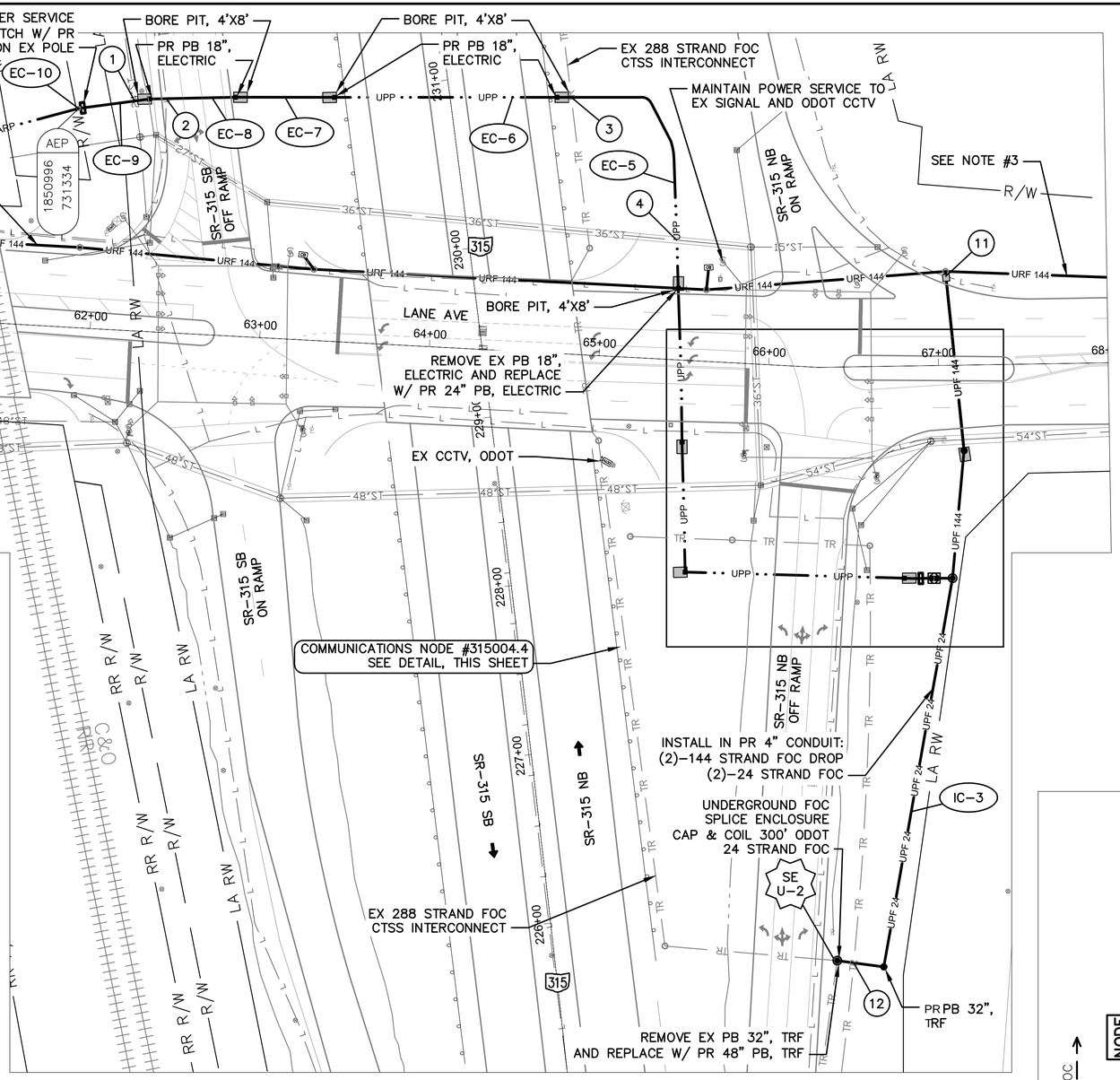
CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
SR-315 BETWEEN STATION 195+00 AND 225+00

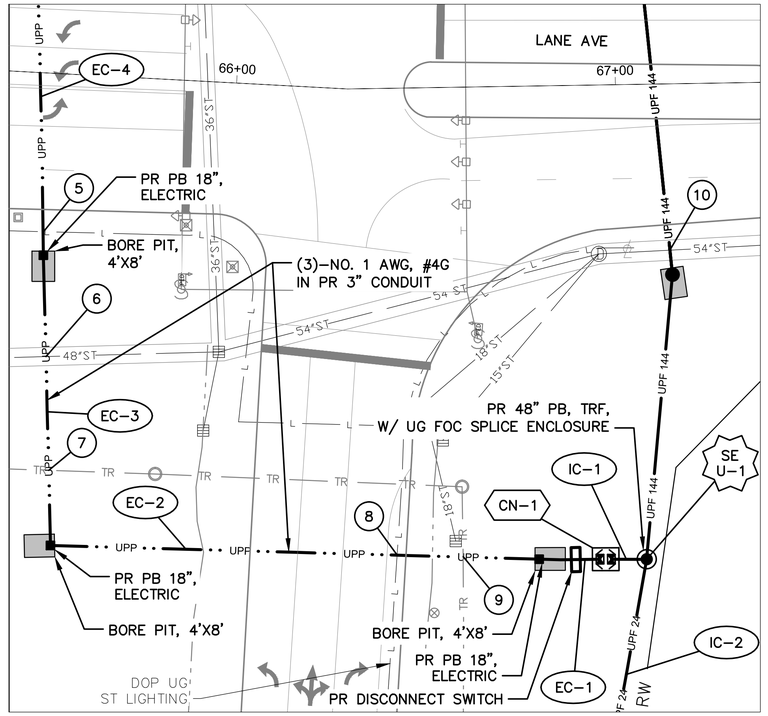
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE D - CONSTRUCTION AS-BUILT

637A
1000

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LANE AVE BETWEEN STATION 60+50 AND 68+00



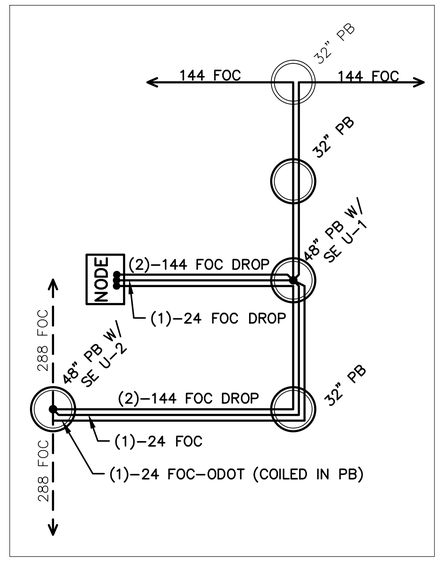
DETAIL - COMMUNICATIONS NODE #315004.4

HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEETS 639 & 640 FOR QUANTITIES.
2. SEE SHEETS 670, 968 & 969 FOR COMMUNICATION DETAILS.
3. SEE SHEETS 326 & 327 FOR INTERCONNECT PLANS.
4. SEE SHEET 376 FOR POWER SERVICE DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

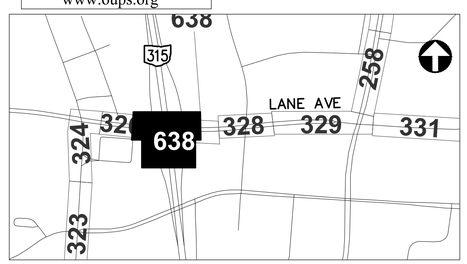


CABLE SCHEMATIC - NODE #315004.4
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET

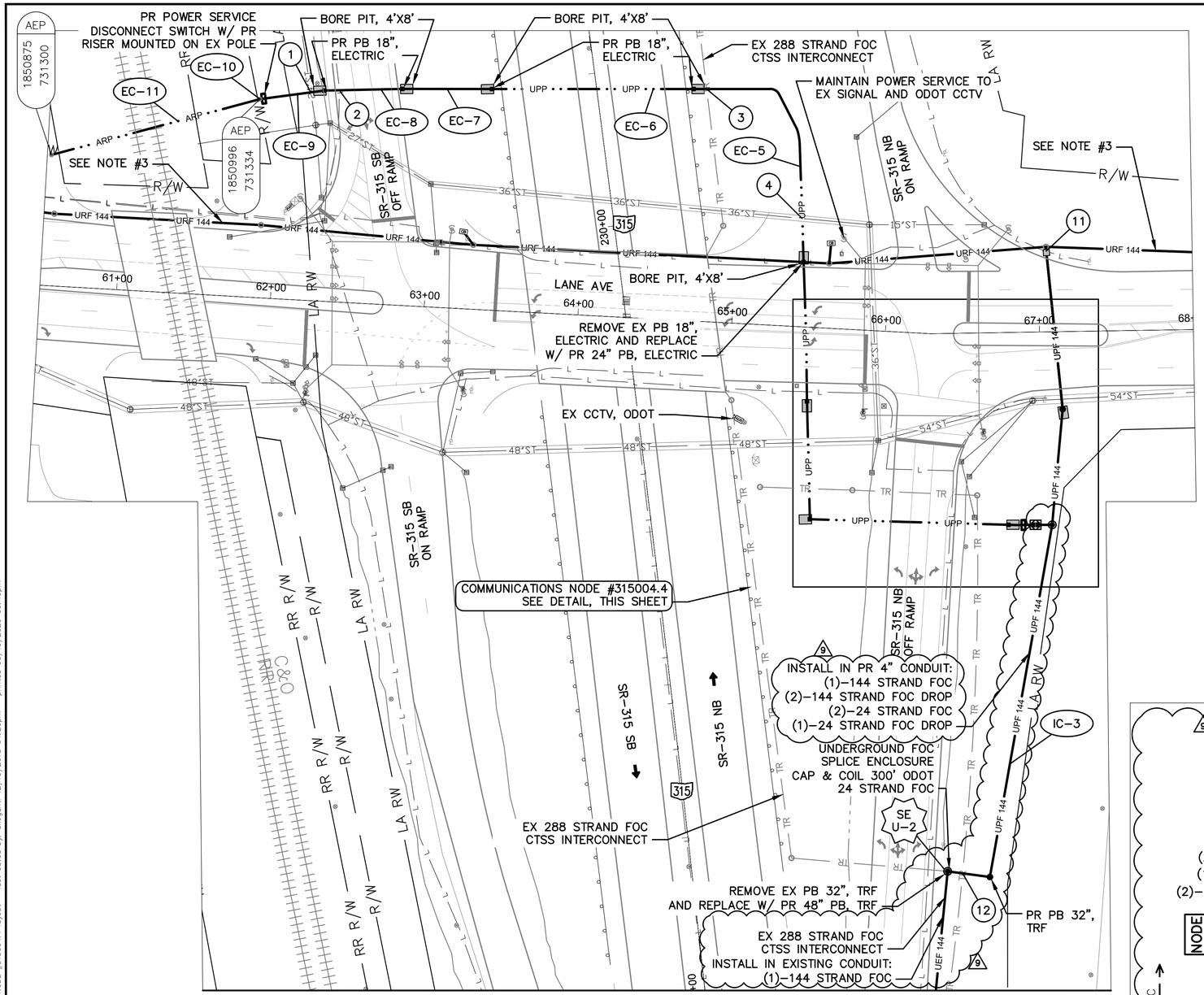
CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
LANE AVE BETWEEN STATION 60+50 AND 68+00, NODE #315004.4

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

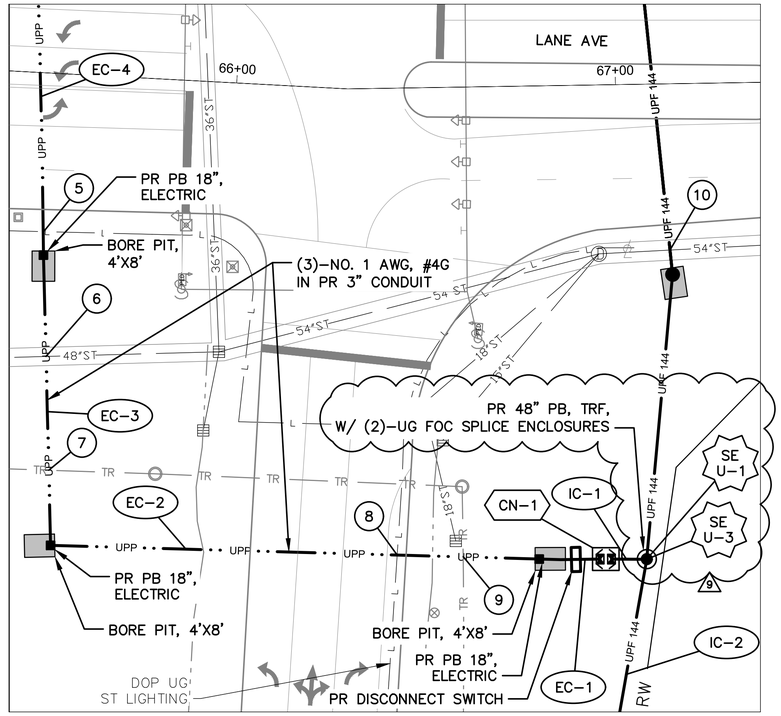
638
1000

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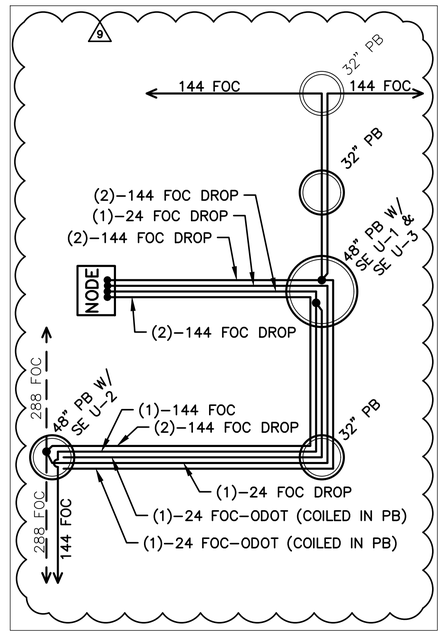
SEE SHEET 637A FOR CONTINUATION OF INTERCONNECT

SR-315 BETWEEN STATION 225+00 AND 231+25



DETAIL - COMMUNICATIONS NODE #315004.4

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - NODE #315004.4

NOT TO SCALE

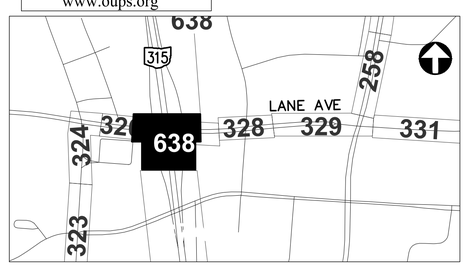
NOTES:

1. SEE SHEETS 639 & 640 FOR QUANTITIES.
2. SEE SHEETS 670, 968 & 969 FOR COMMUNICATION DETAILS.
3. SEE SHEETS 326 & 327 FOR INTERCONNECT PLANS.
4. SEE SHEET 376 FOR POWER SERVICE DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

9 REVISION 9.0 12-17-2018

3150-E

0 40 80
HORIZONTAL SCALE IN FEET

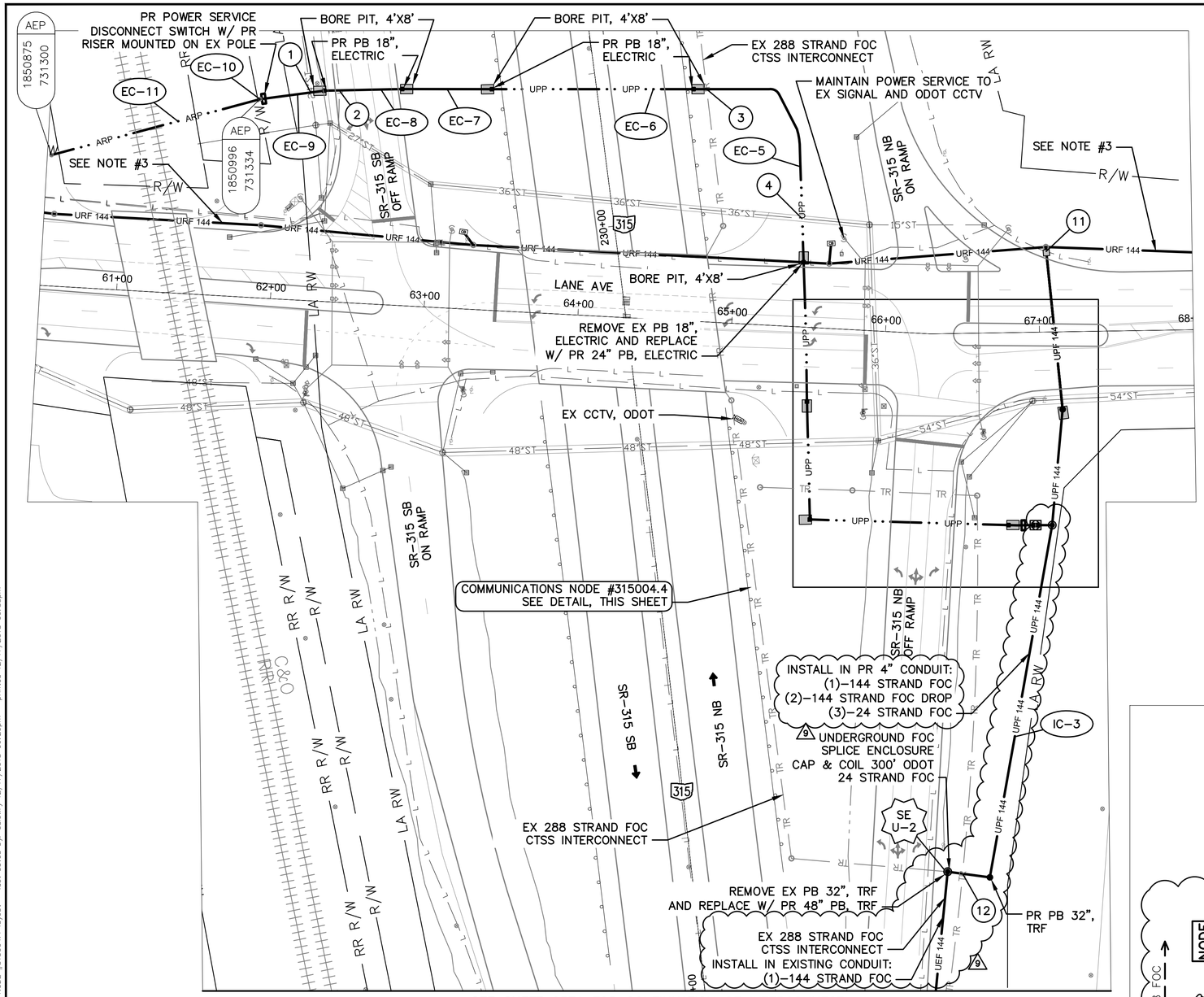
CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
LANE AVE BETWEEN STATION 60+50 AND 68+00, NODE #315004.4

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

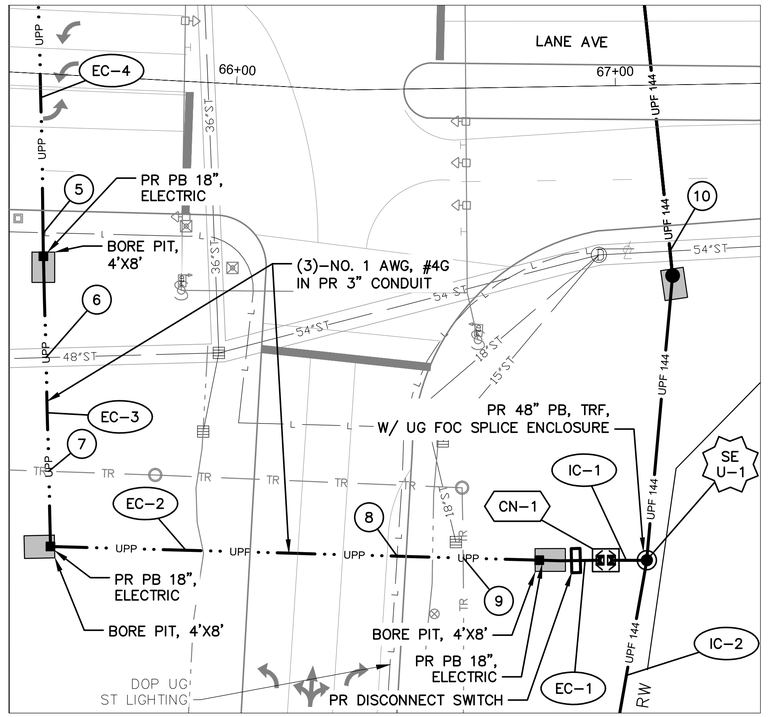
638
1000

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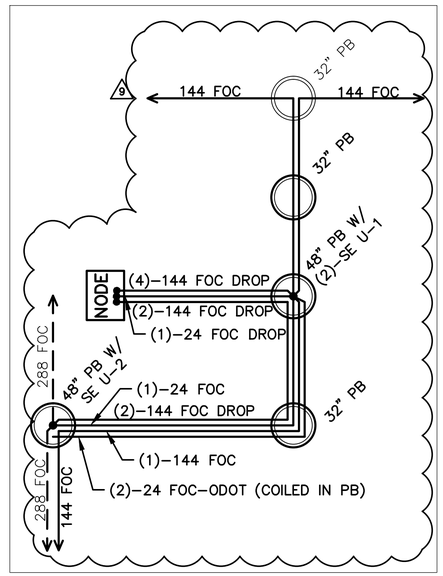
SEE SHEET 637A FOR CONTINUATION OF INTERCONNECT

SR-315 BETWEEN STATION 225+00 AND 231+25



DETAIL - COMMUNICATIONS NODE #315004.4

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - NODE #315004.4

NOT TO SCALE

NOTES:

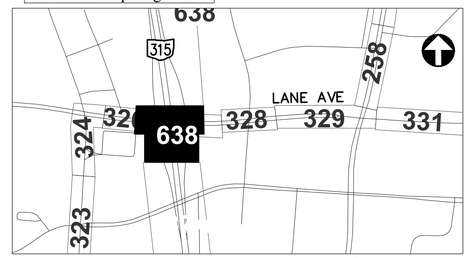
1. SEE SHEETS 639 & 640 FOR QUANTITIES.
2. SEE SHEETS 670, 968 & 969 FOR COMMUNICATION DETAILS.
3. SEE SHEETS 326 & 327 FOR INTERCONNECT PLANS.
4. SEE SHEET 376 FOR POWER SERVICE DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

- [X] SEWER
- [ ] WATER
- [ ] POWER
- [X] LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

9 REVISION 9.0
12-17-2018

3150-E

HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
LANE AVE BETWEEN STATION 60+50 AND 68+00, NODE #315004.4

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

638
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625 CONDUIT, 2", AS PER PLAN	625 CONDUIT, 3", AS PER PLAN	625 CONDUIT, 4", AS PER PLAN	625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	625 DISTRIBUTION CABLE, NO. 1	625 GROUND ROD	625 POWER SERVICE, TYPE J, AS PER PLAN	625 PULL BOX, 18", 725.08, AS PER PLAN	625 PULL BOX, 24", 725.08	625 PULL BOX, CONCRETE 48", AS PER PLAN	625 PULL BOX, REMOVED, AS PER PLAN	625 TRENCH, 36" DEEP, AS PER PLAN	632 CONDUIT RISER, 2", 725.051, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 475FT	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT
			FROM	TO	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH
NODE #315004.4: LANE AVE. AT SR-315																								
638	EC-11	LANE AVE	60+53, 85' LT	61+86, 129' LT					420															
638	EC-10	LANE AVE	61+86, 129' LT						105	1	1						1							
638	EC-9	LANE AVE	61+86, 129' LT	62+28, 137' LT	42				126							42								
638	EC-8	LANE AVE	62+28, 137' LT	62+78, 140' LT				51	103			2												
638	EC-7	LANE AVE	62+78, 140' LT	63+36, 144' LT		58			174							58								
638	EC-6	LANE AVE	63+36, 144' LT	64+67, 150' LT				131	393			2												
638	EC-5	LANE AVE	64+67, 150' LT	65+44, 42' LT		169			507							169								
638	EC-4	LANE AVE	65+44, 42' LT	65+51, 48' RT				90	270				1		1									
638	EC-3	LANE AVE	65+ 48' R	65+5 1		77			1															
638	EC-2	LANE AVE	65+ 124' LT	+8 125'				135				2												
638	SE U-2	LANE AVE	66+ 349'											1					45	336				
638	IC-2	LANE AVE	66+35, 349' RT	67+06, 125' RT		518										259			518					
638	IC-3	LANE AVE	66+35, 349' RT	66+97, 125' RT																			2	
638	EC-1	LANE AVE	66+84, 125' RT	66+94, 125' RT	10				30							10								
638	IC-1	LA AVE	66+ , 125' RT	67+ 6, 12 RT																		2		1
638	CN-1	LA AVE	66+ , 125' RT							2														
638	SE U-1	LA AVE	67+ 125' RT															150						

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU EACH	633 CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE EACH	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH EACH
NODE #315004.4: LANE AVE. AT SR-315											
638	EC-11	LANE AVE	60+53, 85' LT	61+86, 129' LT							
638	EC-10	LANE AVE	61+86, 129' LT								
638	EC-9	LANE AVE	61+86, 129' LT	62+28, 137' LT							
638	EC-8	LANE AVE	62+28, 137' LT	62+78, 140' LT							
638	EC-7	LANE AVE	62+78, 140' LT	63+36, 144' LT							
638	EC-6	LANE AVE	63+36, 144' LT	64+67, 150' LT							
638	EC-5	LANE AVE	64+67, 150' LT	65+44, 42' LT							
638	EC-4	LANE AVE	65+44, 42' LT	65+51, 48' RT							
638	EC-3	LANE AVE	65+51, 48' RT	65+57, 124' RT							
638	EC-2	LANE AVE	65+57, 124' RT	66+84, 125' RT							
638	SE U-2	LANE AVE	66+35, 349' RT		1						
638	IC-2	LANE AVE	66+35, 349' RT	67+01, 125' RT							
638	IC-3	LANE AVE	66+35, 349' RT	66+97, 125' RT							
638	EC-1	LANE AVE	66+84, 125' RT	66+94, 125' RT							
638	IC-1	LANE AVE	66+97, 125' RT	67+01, 125' RT					1	9	
638	CN-1	LANE AVE	66+97, 125' RT			2					
638	SE U-1	LANE AVE	67+01, 125' RT								
SHEET TOTAL					2	2	1	1	1	9	1

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

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

3150-E

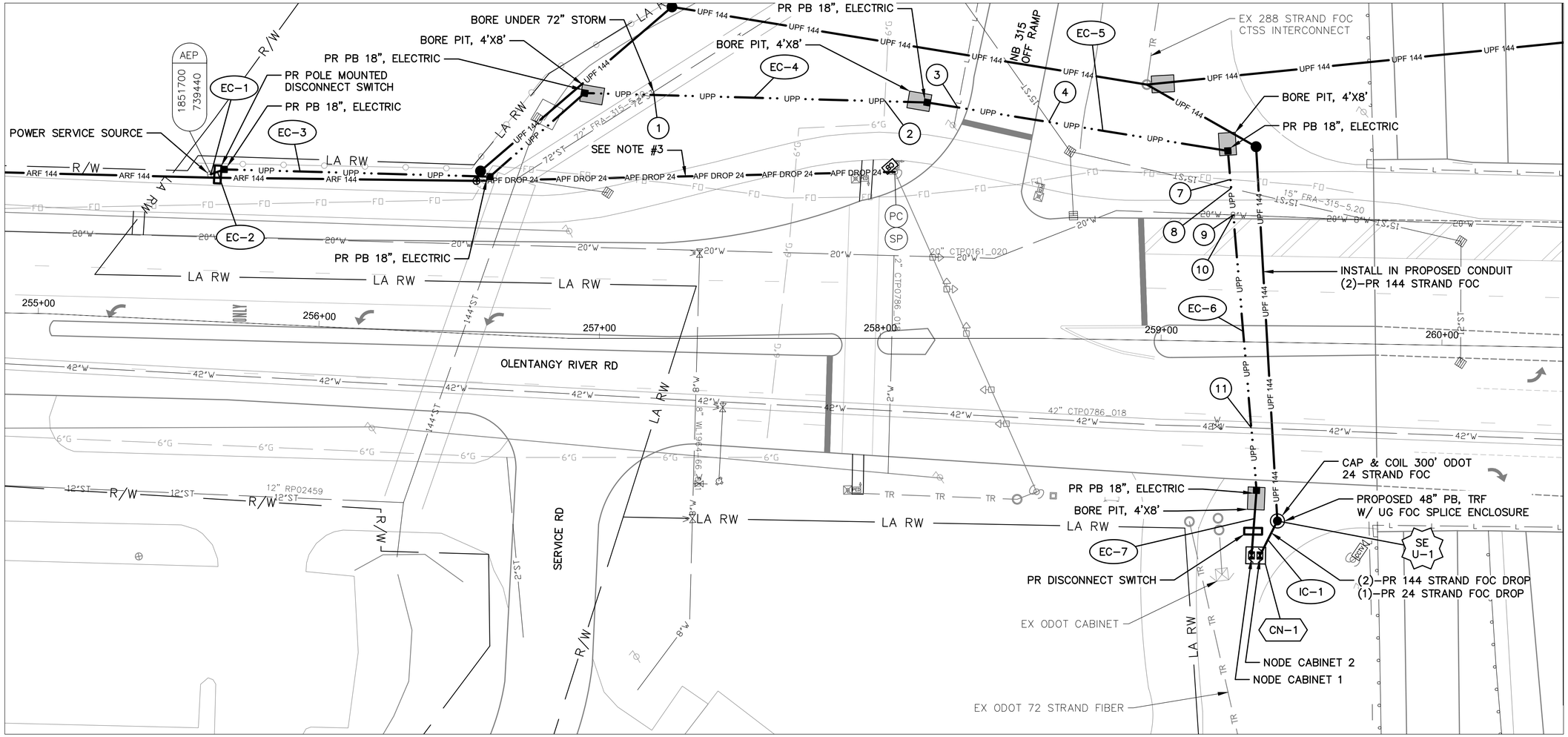
CIP: 540007–100006
PID NUMBER: 82573

SR–315 AT LANE AVE.
NODE #315004.4

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

640
1000

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COMMUNICATION DETAIL
NODE # 315006.2

NOTES:

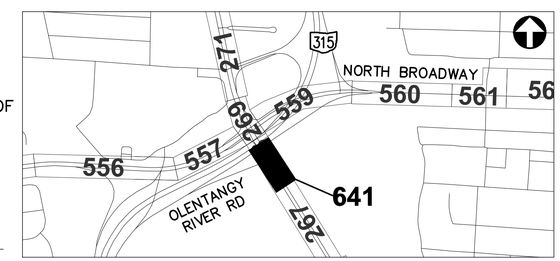
1. SEE SHEETS 642 & 643 FOR QUANTITIES.
2. SEE SHEETS 665, 970 & 971 FOR COMMUNICATION DETAILS.
3. SEE SHEET 268 FOR INTERCONNECT PLAN.
4. SEE SHEET 377 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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☐	POWER
☒	LIGHTING



REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100006
PID NUMBER: 82573

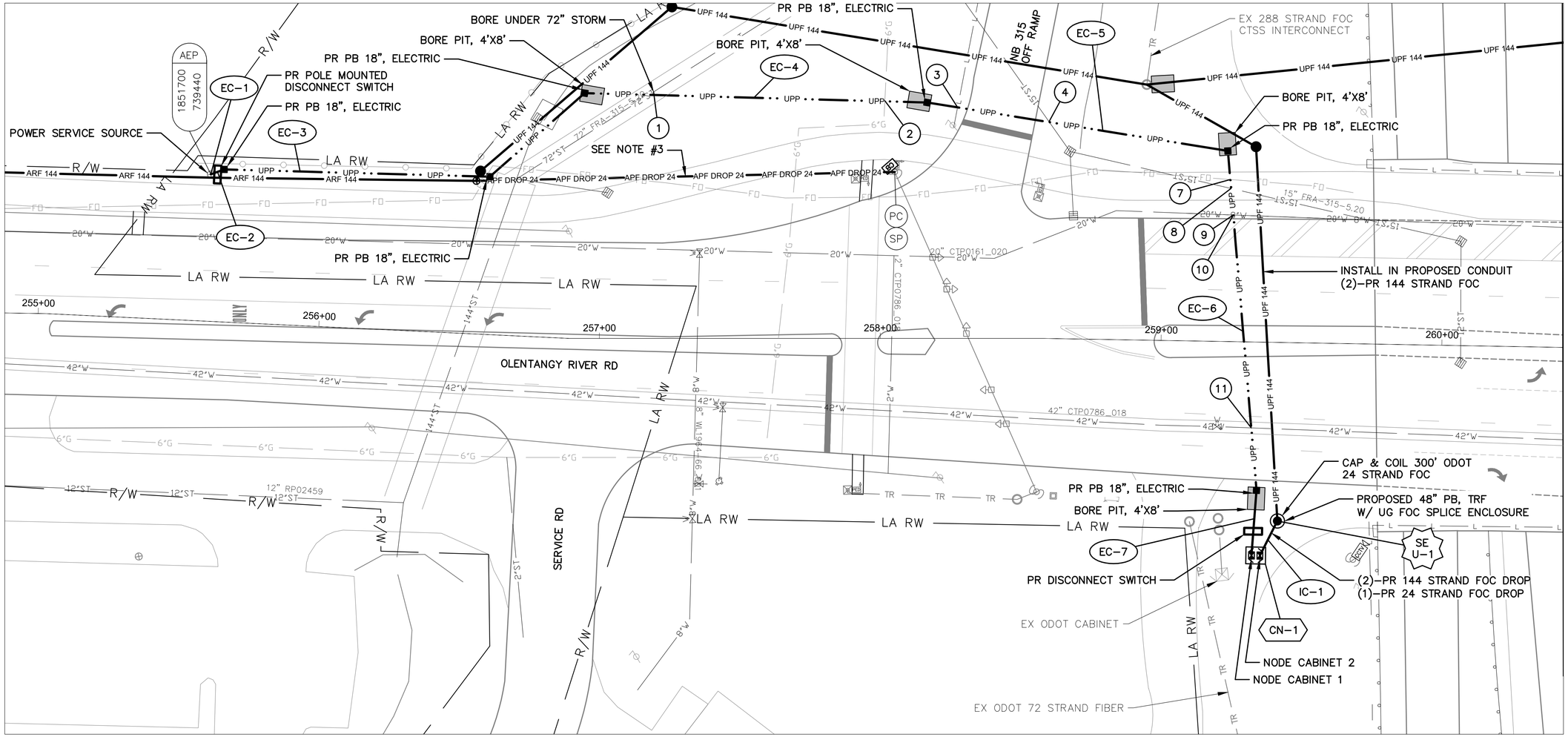
COMMUNICATIONS NODE PLAN
SR-315 AT NORTH BROADWAY, NODE #315006.2

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

641
1000

3150-E

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COMMUNICATION DETAIL
NODE # 315006.2

NOTES:

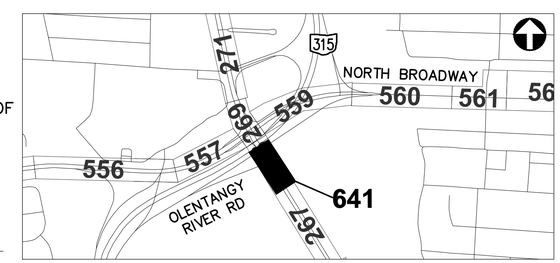
1. SEE SHEETS 642 & 643 FOR QUANTITIES.
2. SEE SHEETS 665, 970 & 971 FOR COMMUNICATION DETAILS.
3. SEE SHEET 268 FOR INTERCONNECT PLAN.
4. SEE SHEET 377 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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REFER TO SHEET 348 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
SR-315 AT NORTH BROADWAY, NODE #315006.2

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

641
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625	625	625	625	625	625	625	625	625	625	632	632	632	632	632	632	632	632	632
					CONDUIT, 2", AS PER PLAN	CONDUIT, 3", AS PER PLAN	CONDUIT, 4", AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	DISTRIBUTION CABLE, NO. 2	GROUND ROD	POWER SERVICE, TYPE K, AS PER PLAN	PULL BOX, 18", 725.08, AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.051, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU
			FROM	TO	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH
NODE #315006.2: NORTH BROADWAY AT SR-315																							
641	EC-1	NORTH BROADWAY	255+59, 54' LT						105	1	1				1								
641	EC-2	NORTH BROADWAY	255+59, 54' LT	255+64, 54' LT	5				15			1		5									
641	EC-3	NORTH BROADWAY	255+64, 54' LT	256+78, 89' LT		130			420			2		130									
641	EC-4	NORTH BROADWAY	256+78, 89' LT	258+17, 84' LT				135	405			1											
641	EC-5	NORTH BROADWAY	258+17, 84' LT	259+26, 68' LT				112	336			1											
641	EC-6	NORTH BROADWAY	259+26, 68' LT	259+38, 53' RT				122	366			1											
641	SE U-1	NORTH BROADWAY	259+28, 62' RT										1			150	300	624				1	1
641	IC-1	NORTH BROADWAY	259+28, 62' RT	259+35, 76' RT			22							11						2	1		
641	CN-1	NORTH BROADWAY	259+35, 76' RT				30			2									1				2
641	EC-7	NORTH BROADWAY	259+38, 53' RT	259+35, 76' RT	23				69	1				23									
SHEET TOTAL					28	130	52	369	1716	4	1	6	1	169	1	150	300	624	1	2	1	1	2

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

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

SR-315 AT NORTH BROADWAY.
NODE #315006.2

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

642
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	632 INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU	633 CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH
					EACH	EACH	EACH	EACH	EACH
NODE #315006.2: NORTH BROADWAY AT SR-315									
641	EC-1	NORTH BROADWAY	255+59, 54' LT						
641	EC-2	NORTH BROADWAY	255+59, 54' LT	255+64, 54' LT					
641	EC-3	NORTH BROADWAY	255+64, 54' LT	256+78, 89' LT					
641	EC-4	NORTH BROADWAY	256+78, 89' LT	258+17, 84' LT					
641	EC-5	NORTH BROADWAY	258+17, 84' LT	259+26, 68' LT					
641	EC-6	NORTH BROADWAY	259+26, 68' LT	259+38, 53' RT					
641	SE U-1	NORTH BROADWAY	259+28, 62' RT						
641	IC-1	NORTH BROADWAY	259+28, 62' RT	259+35, 76' RT					
641	CN-1	NORTH BROADWAY	259+35, 76' RT		1	1	1	9	1
641	EC-7	NORTH BROADWAY	259+38, 53' RT	259+35, 76' RT					
SHEET TOTAL					1	1	1	9	1

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

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

3150-E

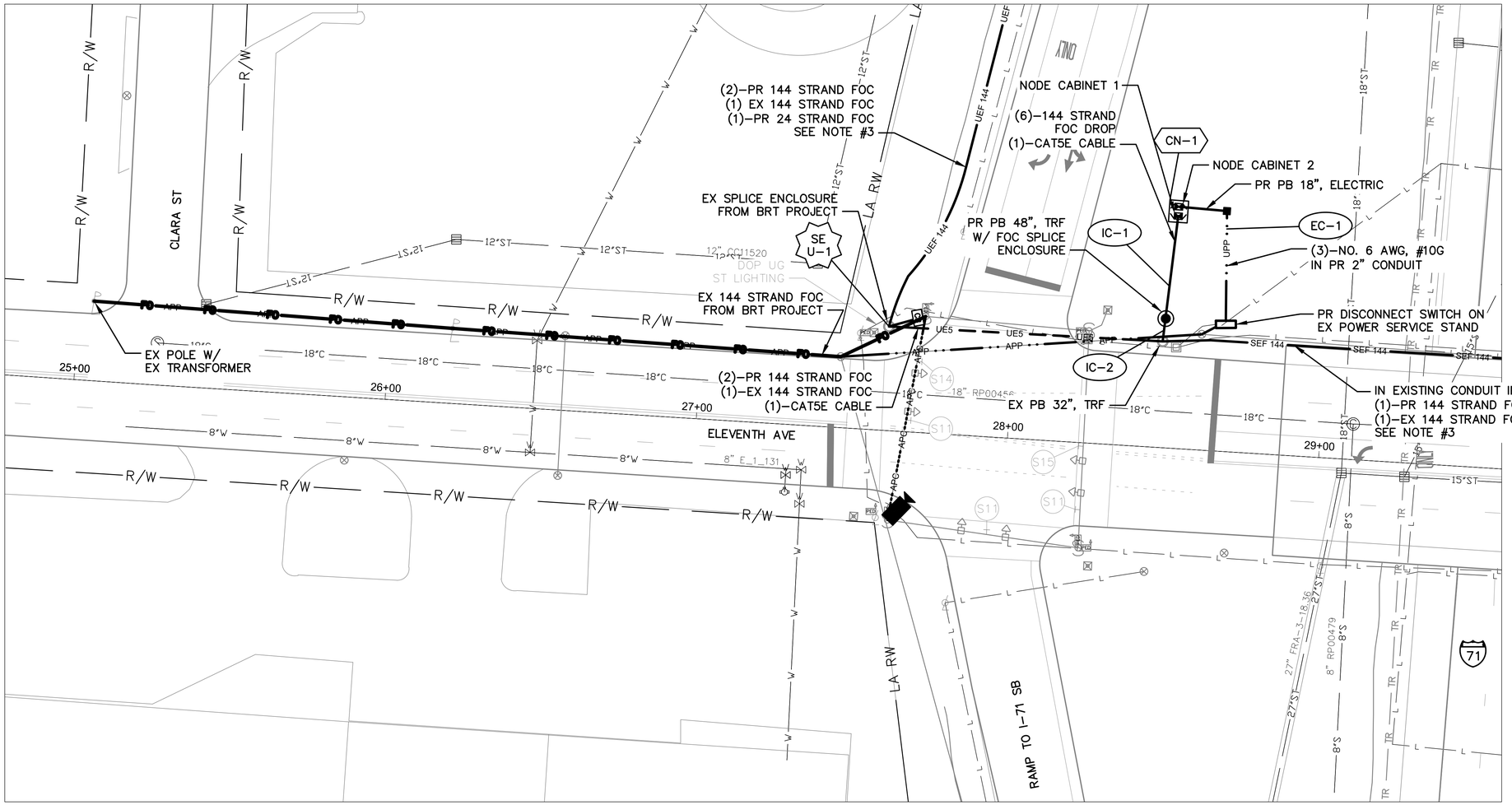
CIP: 540007-100006
PID NUMBER: 82573

SR-315 AT NORTH BROADWAY.
NODE #315006.2

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

643
1000

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COMMUNICATION DETAIL
NODE #071110.9

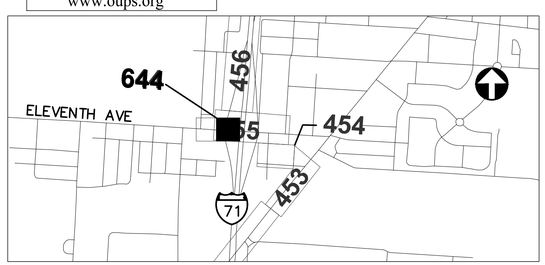
NOTES:

1. SEE SHEET 645 FOR QUANTITIES.
2. SEE SHEETS 675, 964–966 FOR COMMUNICATION DETAILS.
3. SEE SHEET 455 FOR INTERCONNECT PLAN.
4. SEE SHEET 370 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

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- ☒ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007–100006
PID NUMBER: 82573

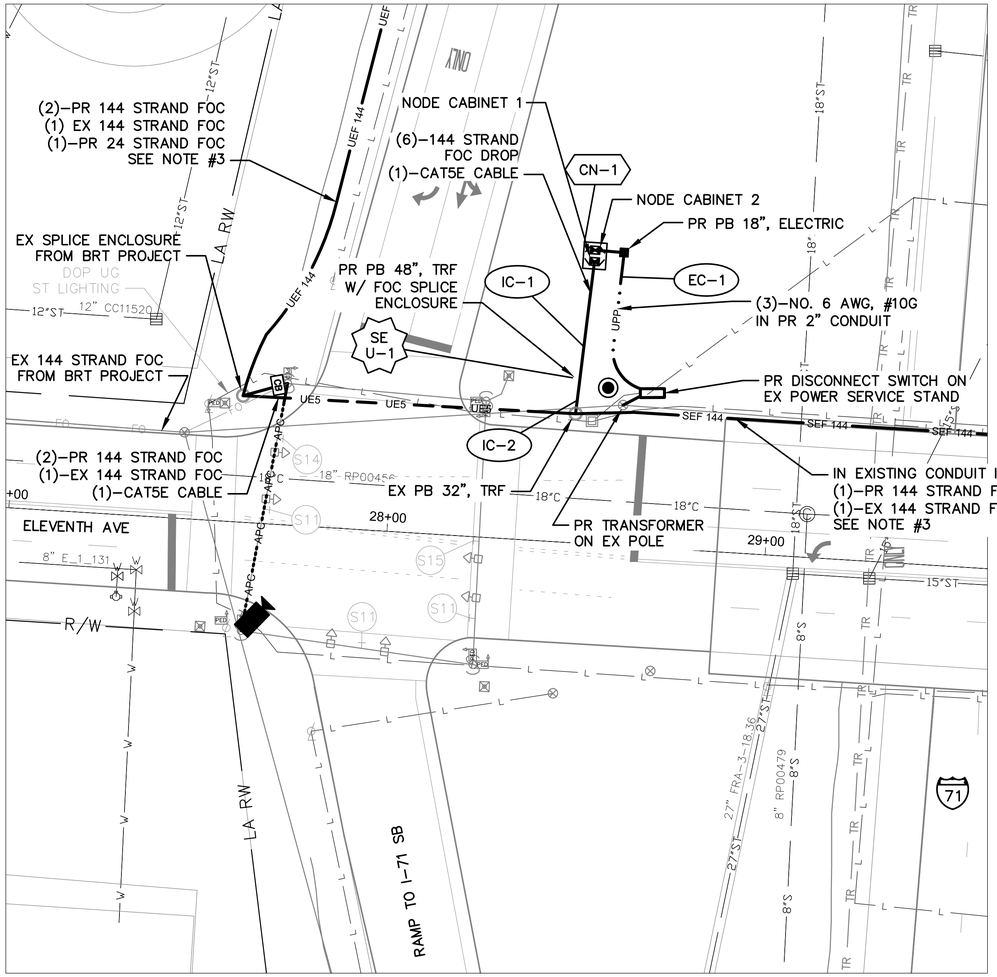
COMMUNICATIONS NODE PLAN
IR–71 AT ELEVENTH AVE, NODE #071110.9

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

644
1000

3150-E

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COMMUNICATION DETAIL
NODE #071110.9

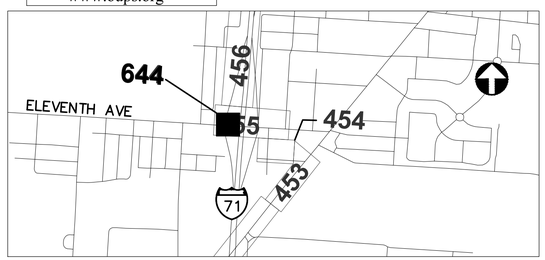
NOTES:

1. SEE SHEET 645 FOR QUANTITIES.
2. SEE SHEETS 675, 964–966 FOR COMMUNICATION DETAILS.
3. SEE SHEET 455 FOR INTERCONNECT PLAN.
4. SEE SHEET 370 FOR POWER SERVICE DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007–100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
IR–71 AT ELEVENTH AVE, NODE #071110.9

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

644
1000

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625 CONDUIT, 2", AS PER PLAN	625 CONDUIT, 4", AS PER PLAN	625 DISTRIBUTION CABLE, NO. 6	625 GROUND ROD	625 POWER SERVICE, TYPE C, AS PER PLAN	625 PULL BOX, 18", 725.08, AS PER PLAN	625 PULL BOX, CONCRETE 48", AS PER PLAN	625 TRENCH, 36" DEEP, AS PER PLAN	632 CONDUIT RISER, 2", 725.051, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU	632 SIGNALIZATION, MISC.: CAT 5E CABLE, OUTDOOR RATED	633 CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH
			FROM	TO	FT	FT	FT	EACH	EACH	EACH	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	FT	EACH	EACH	EACH
NODE #071110.9: ELEVENTH AVE. AT IR-71																									
644	IC-2	ELEVENTH AVE	28+48, 34' LT	28+48, 42' LT		16						8		16	8							8			
644	SE U-1	ELEVENTH AVE	28+48, 42' LT								1			225	75	852				1	1				
644	IC-1	ELEVENTH AVE	28+48, 42' LT	28+50, 74' LT		66						33							6			33			
644	CN-1	ELEVENTH AVE	28+50, 76' LT				30	2									1				3	10	1	7	1
644	EC-1	ELEVENTH AVE	28+50, 77' LT	28+66, 41' LT	60		180	1	1	1		60	1												
SHEET TOTAL					60	82	210	3	1	1	1	101	1	241	83	852	1	6	1	1	3	51	1	7	1

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

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

3150-E

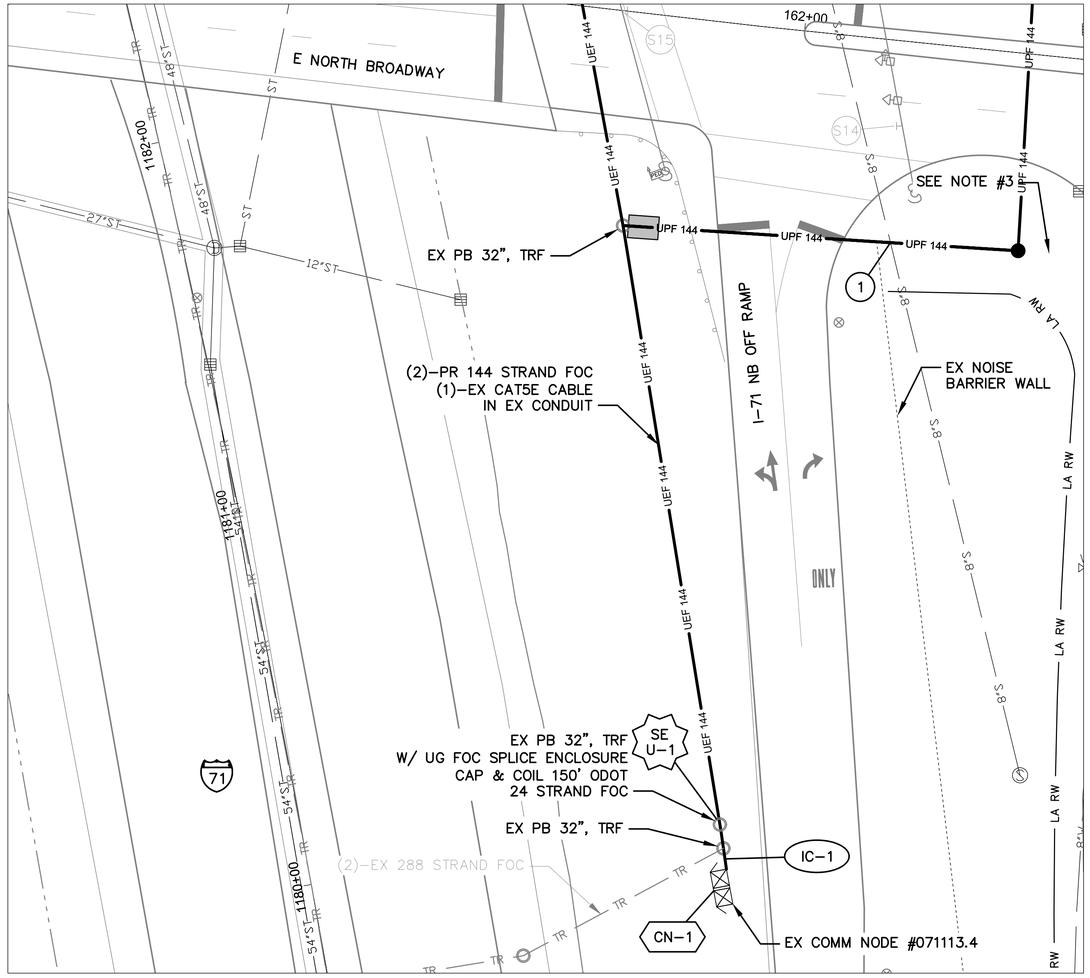
CIP: 540007-100006
PID NUMBER: 82573

IR-71 AT ELEVENTH AVE.
NODE #071110.9

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

645
1000

J:\Jobs\60135\TECHPROD\Sheets\CTSS_PhD_TrunkAll_NODE_JC_QUANTITIES.dwg ~ IR-71 at ELEVENTH layout ~ last saved by: gburch 07/29/2016 05:07pm ~ printed 03/19/2020 06:57pm



COMMUNICATION DETAIL
NODE #071113.4

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

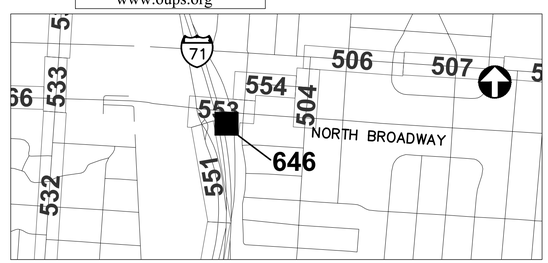
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- ☒ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING

NOTES:

1. SEE SHEET 647 FOR QUANTITIES.
2. SEE SHEETS 672, 996 & 997 FOR COMMUNICATION DETAILS.
3. SEE SHEET 553 FOR INTERCONNECT PLAN.
4. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100006
PID NUMBER: 82573

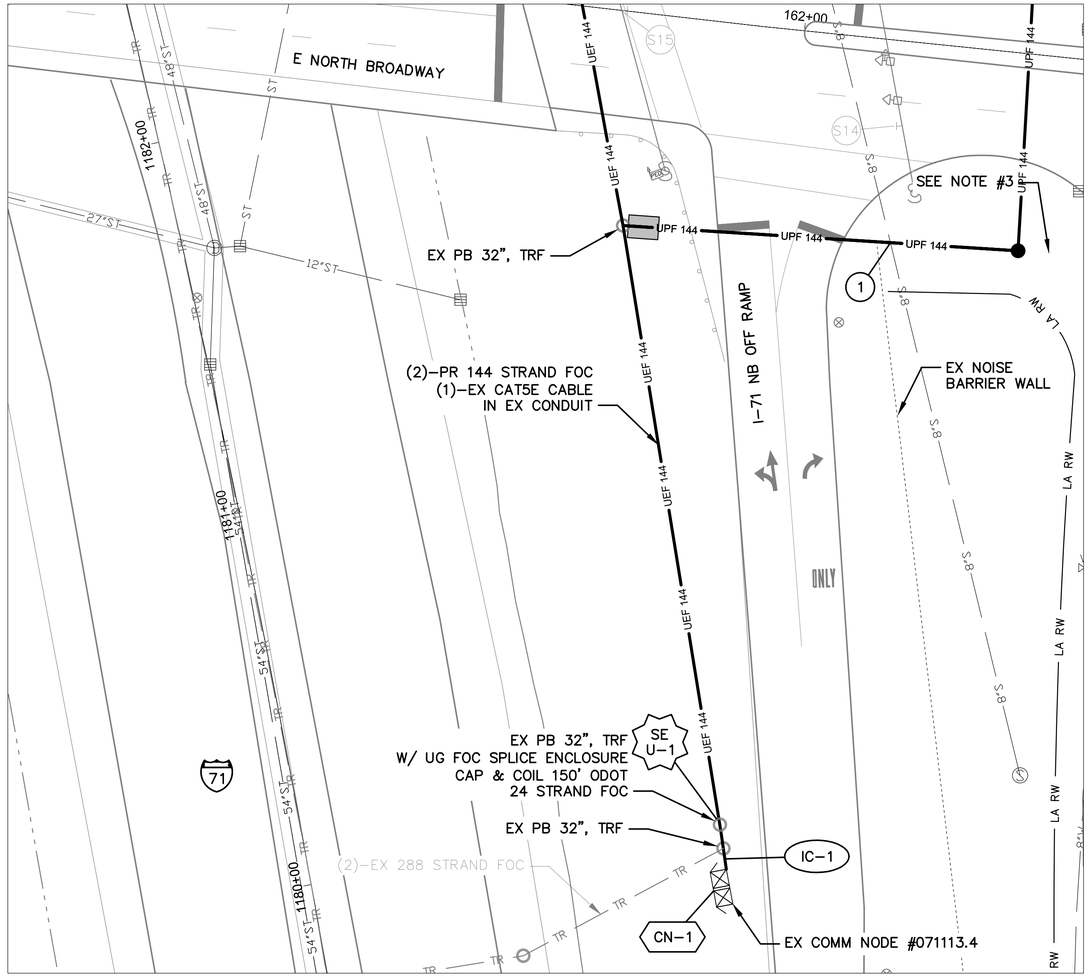
COMMUNICATIONS NODE PLAN
IR-71 AT NORTH BROADWAY, NODE #071113.4

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

646
1000

3150-E

d:\Jobs\60135\TECHPROD\Sheets\Details\CTSS_PhD_TRUNK3-NODE-071113.4.dwg NODE #071113.4 layout - last saved by: eldowry 10/17/2017 01:26pm - printed 03/19/2020 06:59pm



COMMUNICATION DETAIL
NODE #071113.4

NOTES:

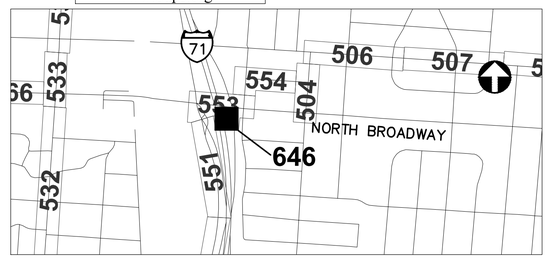
1. SEE SHEET 647 FOR QUANTITIES.
2. SEE SHEETS 672, 996 & 997 FOR COMMUNICATION DETAILS.
3. SEE SHEET 553 FOR INTERCONNECT PLAN.
4. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 356.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007–100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
IR–71 AT NORTH BROADWAY, NODE #071113.4

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

646
1000

3150-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN (FT)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND (FT)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND (FT)	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE (EACH)	632 INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED (EACH)	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT (EACH)	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE (EACH)	632 INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU (EACH)	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE (EACH)
NODE #071113.4: IR-71 AT NORTH BROADWAY													
646	CN-1	I-71	1179+80, 107' RT						1			2	4
646	IC-1	I-71	1179+80, 107' RT	1179+94, 109' RT	14					2			
646	SE U-1	I-71	1179+94, 109' RT			150	150	144			1		
SHEET TOTAL					14	150	150	144	1	2	1	2	4

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

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

3150-E

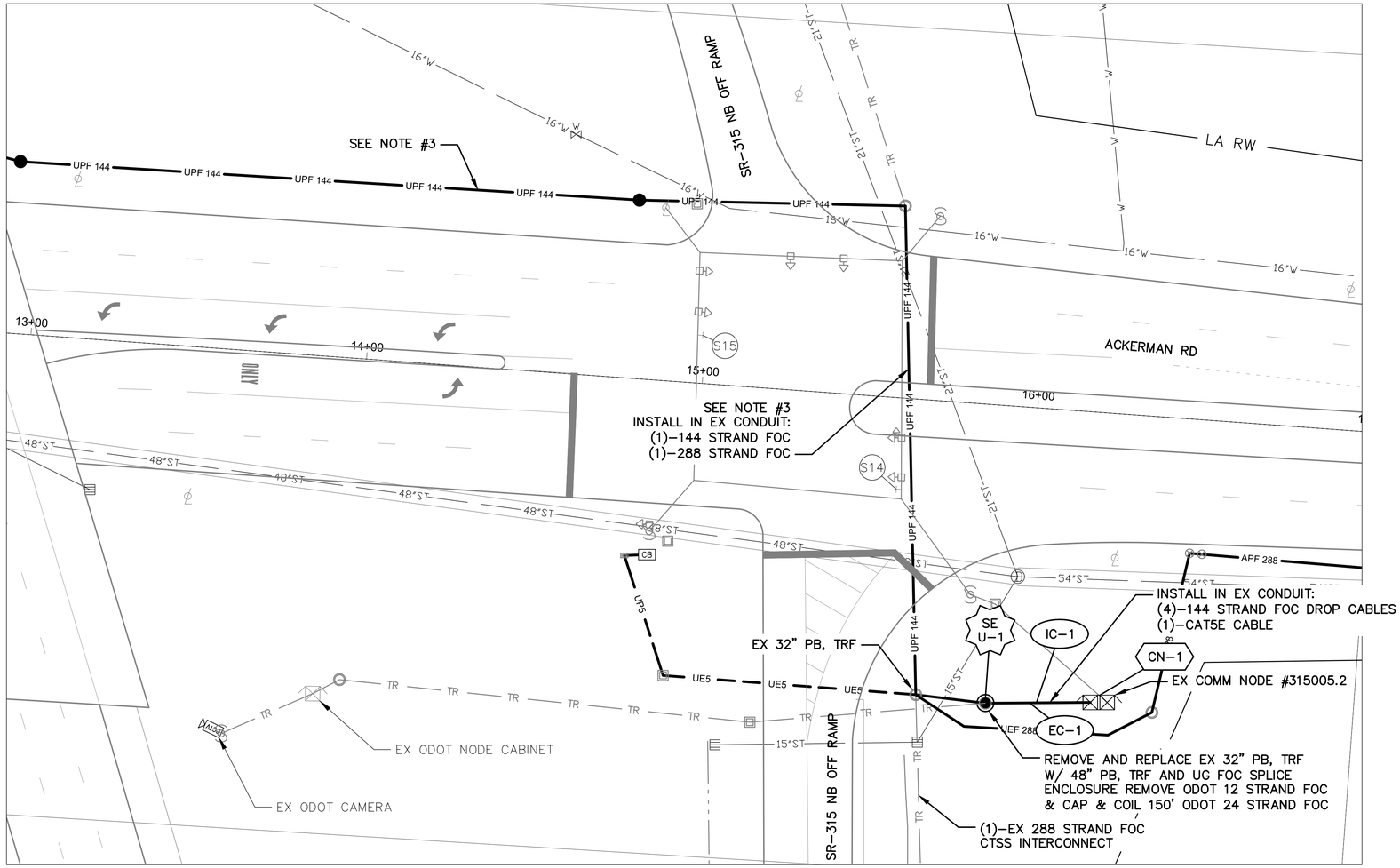
CIP: 540007–100006
PID NUMBER: 82573

IR–71 AT NORTH BROADWAY.
NODE #071113.4

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

647
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DETAIL - COMMUNICATIONS NODE #315005.2

0 20 40

HORIZONTAL SCALE IN FEET

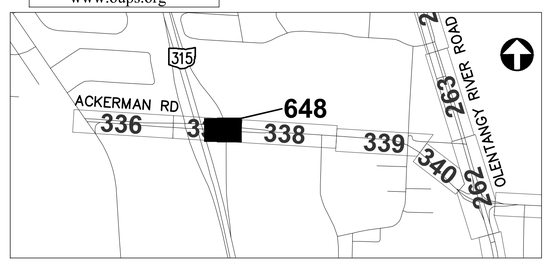
NOTES:

1. SEE SHEET 649 FOR QUANTITIES.
2. SEE SHEETS 668, 972 & 973 FOR COMMUNICATION DETAILS.
3. SEE SHEET 337 FOR INTERCONNECT PLANS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 80 160
HORIZONTAL SCALE IN FEET

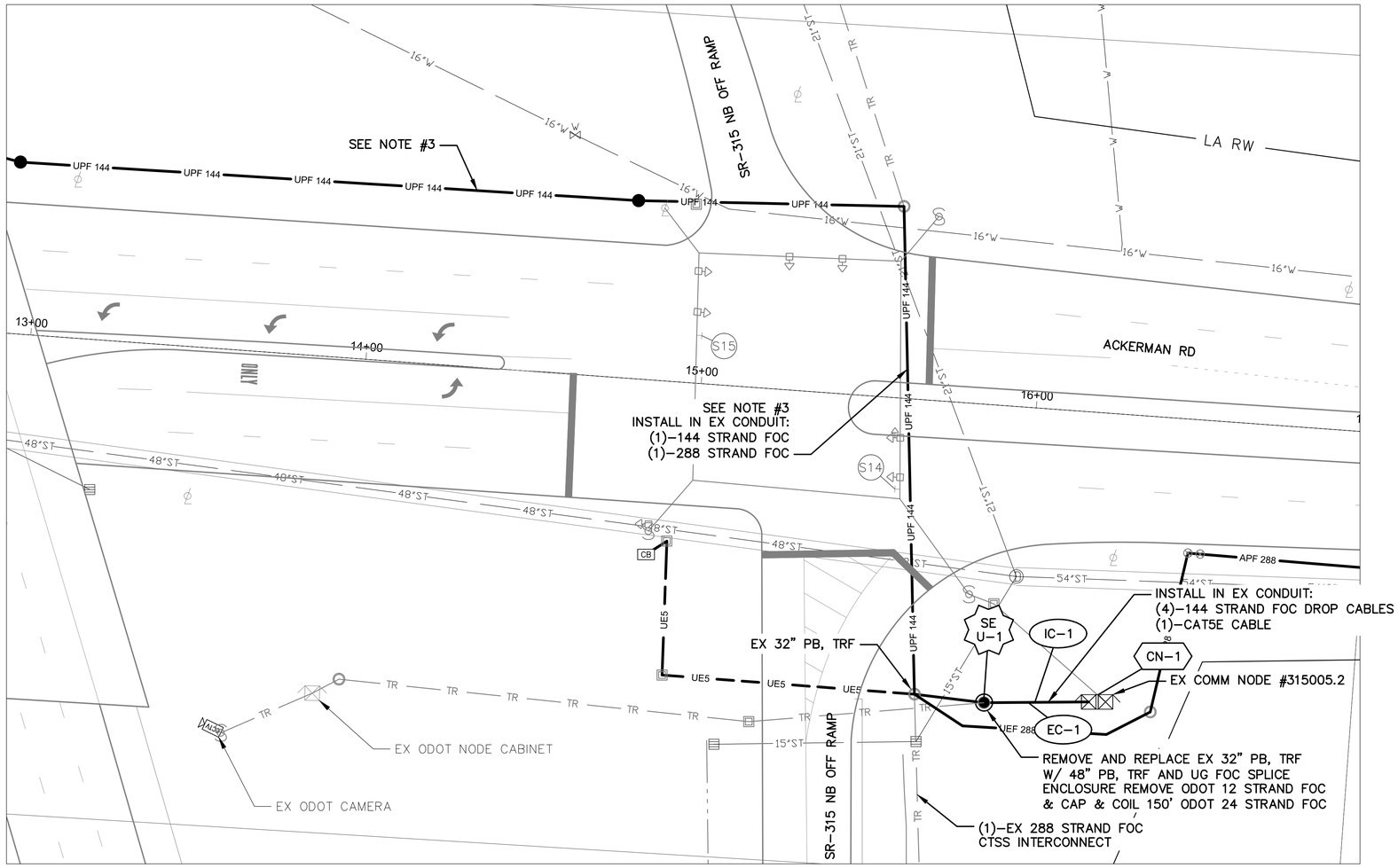
CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
NODE #315005.2

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

3150-E

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DETAIL - COMMUNICATIONS NODE #315005.2

0 20 40

HORIZONTAL SCALE IN FEET

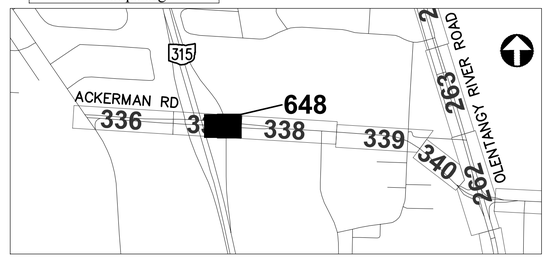
NOTES:

1. SEE SHEET 649 FOR QUANTITIES.
2. SEE SHEETS 668, 972 & 973 FOR COMMUNICATION DETAILS.
3. SEE SHEET 337 FOR INTERCONNECT PLANS.

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CITY OF COLUMBUS UTILITY LEGEND

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



REFER TO SHEET 347 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3150-E

0 80 160
HORIZONTAL SCALE IN FEET

CIP: 540007-100006
PID NUMBER: 82573

COMMUNICATIONS NODE PLAN
NODE #315005.2

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

648
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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								
					EXISTING CONDUIT CLEANED, AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	PULL BOX, REMOVED, AS PER PLAN	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, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU	SIGNALIZATION, MISC.: CAT 5E CABLE, OUTDOOR RATED	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE							
			FROM	TO	FT	EACH	EACH	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	FT	EACH							
NODE #315005.2: ACKERMAN RD. AT SR-315																									
648	EC-1	SR-315	15+91, 89' RT	16+24, 86' RT													32								
648	SE U-1	SR-315	15+91, 89' RT			1	1	75	150	75	456			1											
648	IC-1	SR-315	15+91, 89' RT	16+24, 86' RT	34								4												
648	CN-1	SR-315	16+24, 86' RT									1			2	10	5								
SHEET TOTAL					34	1	1	75	150	75	456	1	4	1	2	42	5	-	-	-	-	-	-	-

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

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

SR–315 AT ACKERMAN RD.
NODE #315005.2

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

649
1000

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