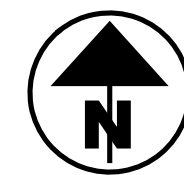


SEE SHEET P.2

LOCATION MAP



PORTION TO BE IMPROVED	-----	=====
INTERSTATE HIGHWAY	-----	=====
FEDERAL ROUTES	-----	=====
STATE ROUTES	-----	=====
COUNTY & TOWNSHIP ROADS	-----	=====
OTHER ROADS	-----	=====

DESIGN DESIGNATION

CURRENT ADT (2025)	-----	N/A
DESIGN YEAR ADT (2025)	-----	N/A
DESIGN HOURLY VOLUME (2025)	-----	N/A
DIRECTIONAL DISTRIBUTION	-----	N/A
TRUCKS (24 HOUR B&C)	-----	N/A
DESIGN SPEED	-----	N/A
LEGAL SPEED	-----	N/A
DESIGN FUNCTIONAL CLASSIFICATION:		
01 INTERSTATE (URBAN)		
02 FREEWAY & EXPRESSWAY (URBAN)		
NHS PROJECT	-----	YES

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:

CRAWFORD, MURPHY & TILLY, INC.

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

CUY-VAR DMS & QWS-FY2026

CITY OF CLEVELAND CUYAHOGA COUNTY

INDEX OF SHEETS:

TITLE SHEET	P.1
SCHEMATIC PLAN	P.2
GENERAL NOTES	P.3 - P.4
MAINTENANCE OF TRAFFIC	P.5 - P.6
GENERAL SUMMARY	P.7 - P.8
SUBSUMMARIES	P.9 - P.10
TRAFFIC CONTROL AND ITS PLANS	P.11 - P.22

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
MGS-2.1	7/18/25	ITS-14.11	7/18/25	TC-41.20	10/18/13	800-2023	1/16/26
MGS-3.2	7/18/25	ITS-14.50	7/18/25	TC-41.30	4/21/23	804	1/16/26
MGS-4.2	7/18/25	ITS-15.10	7/18/25	TC-42.10	10/18/13	809	1/16/26
MGS-4.3	7/18/25	ITS-15.11	7/18/25	TC-42.20	10/18/13	832	7/18/25
MGS-5.3	7/15/16	ITS-18.10	7/16/21	TC-51.11	7/18/25	904	7/15/22
HL-40.20	7/18/25	ITS-50.10	7/15/22	TC-51.12	7/18/25	909	1/16/26
		ITS-50.11	7/18/25	TC-52.10	10/18/13		
		ITS-50.12	7/19/24				
ITS-10.10	1/17/25						
ITS-10.11	7/18/25	MT-95.30	7/18/25				
ITS-11.10	1/17/25	MT-95.31	7/18/25				
ITS-12.10	7/18/25	MT-95.32	7/18/25				
ITS-12.11	7/18/25	MT-95.45	7/21/23				
ITS-12.50	1/17/25	MT-95.50	7/21/17				
ITS-13.10	7/19/24						
ITS-14.10	1/17/25	TC-41.10	7/19/13				

FEDERAL PROJECT NUMBER

NON-FEDERAL

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT WILL CONSIST OF THE INSTALLATION OF NEW DYNAMIC MESSAGE SIGNS (DMS), QUEUE DETECTION CAMERAS, AND ASSOCIATED INFRASTRUCTURE AT VARIOUS LOCATIONS IN CUYAHOGA COUNTY.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	.368 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A NOI NOT REQUIRED

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, AND CHANGES LISTED IN THE PROPOSAL, SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE SET FORTH ON THE PLANS AND ESTIMATES.

John Picuri, P.E., P.S.
District 12 Deputy Director

Pamela Boratyn
Director, Department of Transportation

<p>ENGINEER'S SEAL</p> <p>ROADWAY</p>	<p>ENGINEER'S SEAL</p> <p>TRAFFIC</p>
--	--

DESIGN AGENCY

CRAWFORD, MURPHY & TILLY, INC.
1000 W. 10TH STREET
SUITE 100
COLUMBUS, OHIO 43236
www.cmteng.com

DESIGNER

GSH

REVIEWER

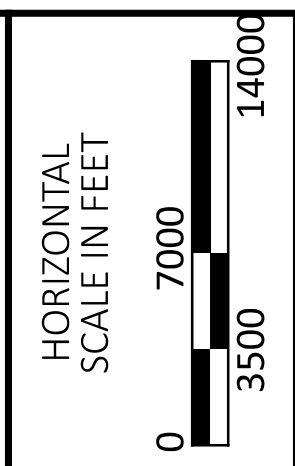
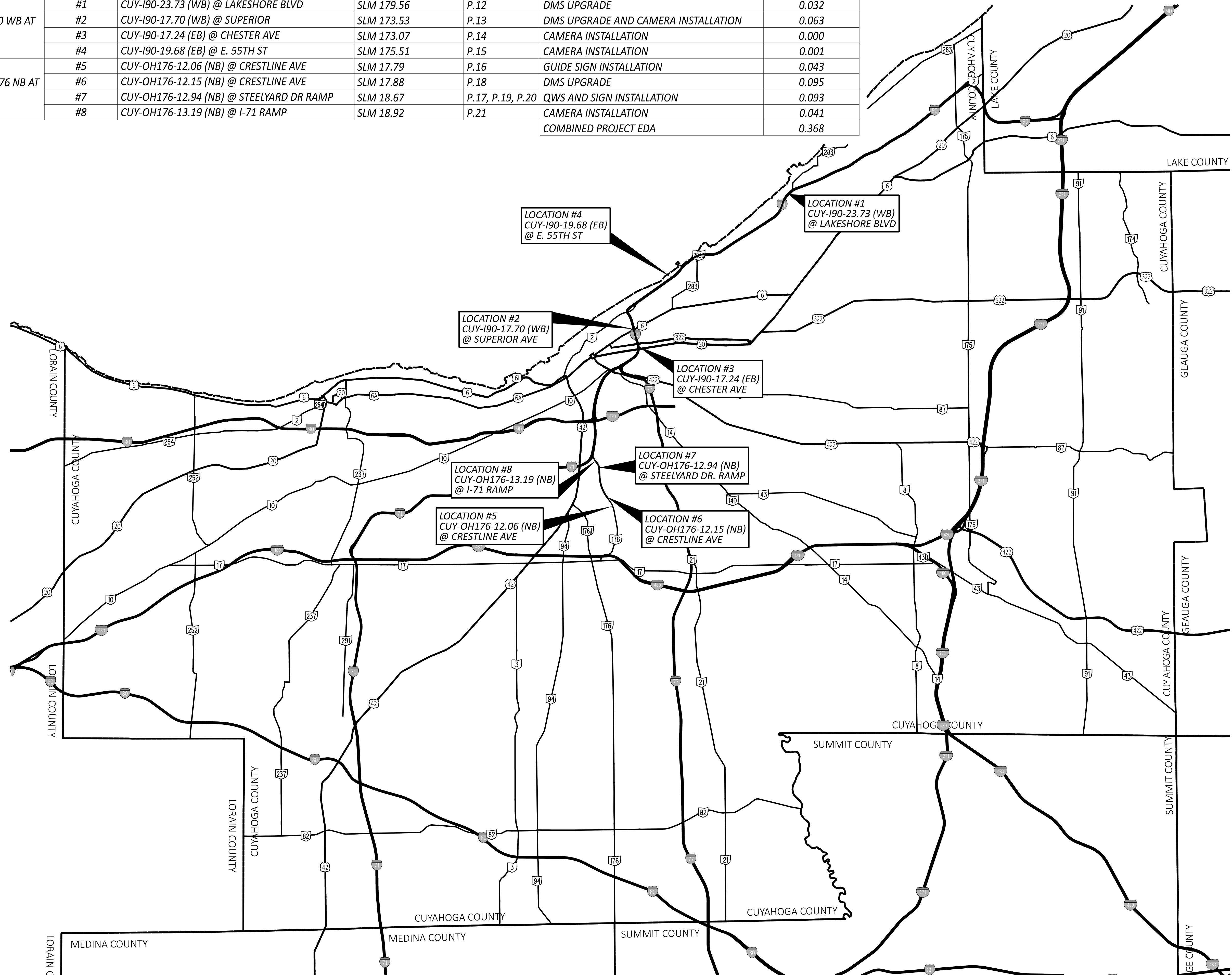
JWL 03/03/26

PROJECT ID

122285

SHEET	TOTAL
P.1	22

QUEUE WARNING SYSTEM ID	LOCATION ID	LOCATION	STATE LOG MILEAGE	SHEET NO.	PROPOSED WORK	SITE EDA (ACRES)
QWS-OVRHD-D12-I-90 WB AT DOWNTOWN	#1	CUY-I90-23.73 (WB) @ LAKESHORE BLVD	SLM 179.56	P.12	DMS UPGRADE	0.032
	#2	CUY-I90-17.70 (WB) @ SUPERIOR	SLM 173.53	P.13	DMS UPGRADE AND CAMERA INSTALLATION	0.063
	#3	CUY-I90-17.24 (EB) @ CHESTER AVE	SLM 173.07	P.14	CAMERA INSTALLATION	0.000
	#4	CUY-I90-19.68 (EB) @ E. 55TH ST	SLM 175.51	P.15	CAMERA INSTALLATION	0.001
QWS-GRND-D12-OH-176 NB AT STEELYARD	#5	CUY-OH176-12.06 (NB) @ CRESTLINE AVE	SLM 17.79	P.16	GUIDE SIGN INSTALLATION	0.043
	#6	CUY-OH176-12.15 (NB) @ CRESTLINE AVE	SLM 17.88	P.18	DMS UPGRADE	0.095
	#7	CUY-OH176-12.94 (NB) @ STEELYARD DR RAMP	SLM 18.67	P.17, P.19, P.20	QWS AND SIGN INSTALLATION	0.093
	#8	CUY-OH176-13.19 (NB) @ I-71 RAMP	SLM 18.92	P.21	CAMERA INSTALLATION	0.041
COMBINED PROJECT EDA						0.368



LOCATION MAP

DESIGN AGENCY
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 1500 W. 19th STREET
 SUITE 100
 CLEVELAND, OH 44125
 www.cmtengr.com

DESIGNER
NCB

REVIEWER
JWL 03/03/26

PROJECT ID
122285

SHEET TOTAL
P.2 22

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

POWER

FIRST ENERGY
 NIKETAS KATSAROS
 NKATSAROS@FIRSTENERGYCORP.COM
 6326 LAKE AVENUE
 ELYRIA, OH 44035
 (440) 824-3211

JOHN ZASSICK
 JMZASSICK@FIRSTENERGYCORP.COM
 6896 MILLER RD., SUITE 101
 BRECKSVILLE, OH 44141
 (440) 546-8706

JEFFERY HEURING, PE
 JHEURING@FIRSTENERGYCORP.COM
 6326 LAKE AVENUE
 ELYRIA, OH 44035
 (440) 853-3309

BRINTON MCINTOSH
 BMCINTOSH@FIRSTENERGYCORP.COM
 6326 LAKE AVENUE
 ELYRIA, OH 44035
 (330) 835-4202

DUCKCREEK ENERGY
 LEAN WATTS
 7033 MILL RD.
 BRECKSVILLE, OHIO 44141
 (440) 838-5135

GAS
 ENBRIDGE GAS OHIO (DOMINION ENERGY)
 320 SPRINGSIDE DR., SUITE 320
 AKRON, OHIO 44333
 (330) 664-2409

NORTHEAST OHIO GAS
 QUEENIE RAGLAND
 5640 LANCASTER-NEWARK RD NE.
 PLEASANTVILLE, OHIO 43147
 (740) 400-4319

TELECOM
 VERIZON BUSINESS (MCI)
 11427 EUCLID AVENUE
 CLEVELAND, OHIO 44106
 (866) 644-4532
 VZFIBER-CENTRALOHIO@VERIZON.COM

AT&T
 WILLIAM TAGGART
 8372 E. BROAD ST.
 REYNOLDSBURG, OHIO 43068
 (614) 868-2511

COGENT COMMUNICATIONS (SPRINT)
 1621 EUCLID AVE.
 CLEVELAND, OHIO 44115
 (330) 203-0076

CITY OF CLEVELAND WATER
 ALEX MARGEVICIUS
 1201 LAKESIDE AVE.
 CLEVELAND, OHIO 44114
 (216) 664-2444

WATER POLLUTION CONTROL
 RYAN LOPEZ
 12302 KIRBY AVE.
 CLEVELAND, OHIO 44108
 (216) 664-2513

DIVISION OF CLEVELAND PUBLIC POWER
 AMMON DANIELSON
 1300 LAKESIDE AVE.
 CLEVELAND, OHIO 44114
 (216) 664-3922

TRAFFIC
 ODOT CO ITS
 1606 W. BROAD ST.
 COLUMBUS, OHIO 43223
 (614) 387-4113
 CEN.ITS.LAB@DOT.OHIO.GOV

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

THE CONTRACTOR SHALL GIVE NOTICE OF INTENT TO CONSTRUCT TO THE OHIO UTILITIES PROTECTION SERVICE (OUPS), AND ANY NON-MEMBERS OF A REGISTERED PROTECTION SERVICE AT LEAST TWO (2) WORKING DAYS BEFORE CONSTRUCTION AND IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE.

IT IS REQUIRED OF THE CONTRACTOR TO SCHEDULE A FIELD REVIEW A MINIMUM OF TWO (2) WEEKS PRIOR TO EQUIPMENT INSTALLATION TO INSURE ALL UTILITIES ARE CLEAR AND ALL CURRENT LOCATIONS ARE KNOWN.

THE CONTRACTOR SHALL TAKE ALL UTILITY MARKINGS INTO CONSIDERATION PRIOR TO INSTALLING ANY NEW EQUIPMENT TO AVOID ANY CONFLICTS. THE CONTRACTOR SHALL MODIFY PLACEMENT OF NEW EQUIPMENT TO ACCOMMODATE EXISTING UTILITIES SO THAT THEY ARE NOT IMPACTED IF FEASIBLE. IF A UTILITY CONFLICT CANNOT BE AVOIDED, THE CONTRACTOR SHALL NOTIFY ODOT AND THE IMPACTED UTILITY PRIOR TO INSTALLING THE EQUIPMENT TO REVIEW OPTIONS FOR RESOLUTION WITH THE IMPACTED UTILITY OWNER.

IF ANY UTILITY ISSUES ARISE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO WORK OUT AN ACCEPTABLE SOLUTION WITH THE UTILITY AND ODOT.

SURVEYING PARAMETERS - OHIO COUNTY COORDINATE SYSTEM (OCCS)

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS SHEET OF THE PLANS FOR PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL POSITIONING METHOD: OHIO REAL TIME NETWORK (RTN)

VERTICAL POSITIONING
 ORTHOMETRIC HEIGHT DATUM: NAVD88
 GEOID: GEOID 18

HORIZONTAL POSITIONING (OCCS)
 REFERENCE FRAME: NAD83 (2011)
 ELLIPSOID: GRS80
 MAP PROJECTION: TRANSVERSE MERCATOR
 COORDINATE SYSTEM: ODOT LDP - CUYAHOGA COUNTY
 COMBINED SCALE FACTOR: 1.000029
 ORIGIN OF COORDINATE SYSTEM: 40°09'00.00000"N, 81°45'0.00000"W

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623. UNITS ARE IN U.S. SURVEY FEET.

WORK AREAS

THE WORK AREAS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK AREAS.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION AREAS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION AREAS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, AREAS SHOULD NOT EXTEND FURTHER THAN 30 FEET BEYOND THE EDGE OF PAVEMENT OR PROPOSED WORK.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION AREAS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 80 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN SUBMITTING FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FEDERAL AVIATION ADMINISTRATION
 SOUTHWEST REGIONAL OFFICE
 OBSTRUCTION EVALUATION GROUP
 10101 HILLWOOD PARKWAY
 FORT WORTH, TX 76177
 FAX: (817) 222-5920
 HTTP://CEAAA.FAA.GOV

OHIO DEPARTMENT OF TRANSPORTATION
 OFFICE OF AVIATION
 2829 WEST DUBLIN-GRANVILLE ROAD
 COLUMBUS, OHIO 43235
 OHIO.AIRPORT.PROTECTION@DOT.OHIO.GOV

EXCAVATION AND GRADING, AS PER PLAN

ACCESS DRIVES SHALL HAVE A MAXIMUM CROSS SLOPE OF 6:1 AND BE LEVEL WHEN ADJACENT TO PROPOSED ITS EQUIPMENT TO PROVIDE A LEVEL SURFACE FOR ACCESS TO THE ITS EQUIPMENT.

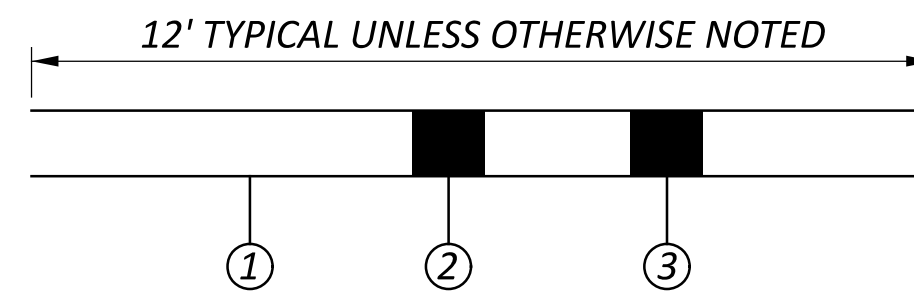
IN AREAS WHERE THE EXISTING SLOPE IS STEEPER THAN 6:1, THE EXISTING SLOPE SHALL BE REGRADED TO PROVIDE A SURFACE THAT IS 6:1 OR FLATTER. WHEN BEHIND GUARDRAIL, THE ADJACENT AREA SHALL BE REGRADED TO A SLOPE NO STEEPER THAN 2:1. WHEN THE AREA IS NOT PROTECTED BY GUARDRAIL, THE ADJACENT SLOPE SHALL BE REGRADED TO A SLOPE NO STEEPER THAN 4:1.

ASSOCIATED CLEARING AND GRUBBING SHALL BE INCLUDED IN THE COST OF ITEM 201 CLEARING AND GRUBBING. THE FOLLOWING CONTINGENCY QUANTITIES ARE PROVIDED FOR THIS WORK AND SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY.

100 CY OF ITEM 203 EMBANKMENT, AS PER PLAN
 100 CY OF ITEM 203 EXCAVATION, AS PER PLAN

ACCESS DRIVE

AGGREGATE DRIVES WILL BE UTILIZED ON VARIOUS SITES TO ACCESS CCTV, ITS AND DMS EQUIPMENT. SEE PLAN SHEETS FOR ADDITIONAL DETAILS OF LOCATION AND LAYOUTS. SEE TYPICAL BELOW FOR MATERIAL BUILDUP.



AGGREGATE ACCESS DRIVE

LEGEND

- ① ITEM 204 - SUBGRADE COMPACTION
- ② ITEM 304 - 8" AGGREGATE BASE
- ③ ITEM 203 - EXCAVATION

CLEARING AND GRUBBING

THIS PROJECT ONLY REQUIRES TREE TRIMMING AND NOT THE FULL REMOVAL OF TREES OR STUMPS. ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201 - CLEARING AND GRUBBING.

GUARDRAIL REPLACEMENT

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE THE EXISTING GUARDRAIL, PREPARE THE SITE, AND INSTALL THE NEW GUARDRAIL/BARRIER IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL/BARRIER SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL/BARRIER SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED UNTIL SUCH TIME AS THE ENGINEER IS ASSURED OF COMPLIANCE.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

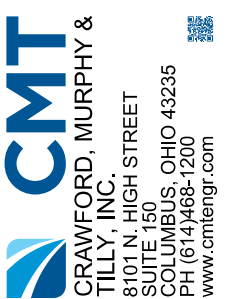
SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST	2 EACH
659, TOPSOIL	30 CY
659, SEEDING AND MULCHING	272 SY
659, COMMERCIAL FERTILIZER	0.04 TON
659, LIME	0.06 ACRES
659, WATER	1 MGAL

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

DESIGN AGENCY



DESIGNER

GSH

REVIEWER

JWL 03/03/26

PROJECT ID

122285

SHEET

P.3

TOTAL

22

POWER SERVICE COORDINATION

NEW AND REUSED POWER SERVICES ARE PROPOSED AS PART OF THE PROJECT. CONTRACTOR TO COORDINATE NEW AND REUSED POWER SERVICE WITH THE UTILITY COMPANY (FIRST ENERGY) AT (800)589-3101 PRIOR TO BEGINNING WORK.

ACCESSING EXISTING FIBER PULLBOXES

EXISTING FIBER PULLBOXES MAY CONTAIN FIBER OPTIC CABLE SLACK. CONTRACTOR SHALL USE CAUTION WHEN ENTERING FIBER PULLBOXES. EXISTING FIBER OPTIC CABLES SHALL BE MAINTAINED AT ALL TIMES.

ITEM 625 CONDUIT CLEANED AND CABLES REMOVED, AS PER PLAN

THIS ITEM SHALL CONSIST OF CLEANING AN EXISTING CONDUIT BY REMOVING EXISTING UNUSED CABLES, MUD AND DEBRIS, AND MAINTAIN ALL ACTIVE CABLES PRIOR TO BEING REUSED. INCIDENTAL TO THE CLEANING IS THE INSTALLATION OF BUSHINGS AND/OR COUPLINGS ON THE ENDS OF EXISTING CONDUIT AS REQUIRED. MATERIALS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR FOR PROPER DISPOSAL OFF OF THE PROJECT SITE. DISTURBED AREAS SHALL BE PROPERLY RESTORED.

PAYMENT WILL BE MADE AT THE UNIT PRICE BID UNDER C&MS ITEM 625 CONDUIT CLEANED AND CABLES REMOVED, AS PER PLAN PER FOOT OF CONDUIT CLEANED WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 625 PULL BOX CLEANED

THIS ITEM OF WORK SHALL CONSIST OF CLEANING AN EXISTING PULL BOX BY REMOVING EXISTING UNUSED CABLES, MUD AND DEBRIS, AND MAINTAIN ALL ACTIVE CABLES. ANY UNUSED OPENINGS SHALL BE CLOSED. DISTURBED AREAS NEAR THE PULL BOX SHALL BE CLEARED OF WEEDS OR DEBRIS AND SHALL BE FULLY RESTORED. MATERIAL REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OFF OF THE PROJECT SITE.

PAYMENT WILL BE MADE AT THE UNIT PRICE BID UNDER C&MS ITEM 625 PULL BOX CLEANED FOR EACH PULL BOX CLEANED WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 625 ARC FLASH CALCULATIONS AND LABEL, BY TYPE

THIS ITEM SHALL INCLUDE PROGRAMMING ARC FLASH HAZARD CALCULATIONS AND LABELS PER SUPPLEMENTAL SPECIFICATION 825. A SINGLE ARC FLASH HAZARD STUDY SHALL BE PERFORMED FOR EACH SITE FROM UTILITY INTERCONNECTION TO ALL DOWNSTREAM DEVICES. LABELS FOR SITES SHALL BE APPLIED TO THE OUTSIDE OF EACH ITS CABINET ON BOTH DOORS AND ALL DISCONNECTS/SAFETY SWITCHES. LABELS SHALL NOT COVER ANY EXISTING NAMEPLATES OR LABELS ON DISCONNECTS/SAFETY SWITCHES WHEN APPLIED. LABELS SHALL BE PROVIDED BY THE CONTRACTOR. CALCULATIONS SHALL BE GIVEN TO THE PROJECT ENGINEER AND ITS ENGINEER AS DESCRIBED IN THE SUPPLEMENTAL.

USE LABEL 825.08.A, ODOT VERSION "A".

PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR EACH ITEM 625 ARC FLASH CALCULATIONS AND LABEL, BY TYPE FOR EACH SITE INCLUDING ALL LABOR, MATERIALS AND INCIDENTALS NECESSARY.

ITEM 632 REUSE OF TRAFFIC CONTROL ITEM: ELECTRIC PULLBOX

EXISTING ELECTRIC PULLBOXES THAT ARE NOTED AS BEING REUSED IN THE PLANS ARE EXPECTED TO BE DISTURBED DUE TO NEW CABLE OR CONDUIT INSTALLATION. WHEN CONDUIT IS INSTALLED INTO EXISTING PULL BOXES, THE CONTRACTOR SHALL ENSURE ALL KNOCKOUTS ARE FULLY MORTARED AND SEALED.

IN ADDITION TO THE REQUIREMENTS OF ODOT C&MS 632.27, THIS ITEM OF WORK SHALL CONSIST OF CLEANING AN EXISTING PULL BOX BY REMOVING ANY EXISTING UNUSED CABLES, MUD AND DEBRIS, AND MAINTAIN ALL ACTIVE CABLES INSIDE THE EXISTING PULLBOX AS NEEDED PRIOR TO BEING REUSED. ANY UNUSED OPENINGS SHALL BE CLOSED. DISTURBED AREAS NEAR THE PULL BOX SHALL BE CLEARED OF WEEDS OR DEBRIS AND SHALL BE FULLY RESTORED. MATERIAL REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OFF OF THE PROJECT SITE.

PAYMENT WILL BE MADE AT THE UNIT PRICE BID OF EACH ITEM 632 REUSE OF TRAFFIC CONTROL ITEM: ELECTRIC PULLBOX WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 633 CABINET FOUNDATION, AS PER PLAN

THE CONTRACTOR SHALL INSTALL A CABINET FOUNDATION FOR EACH ITS GROUND MOUNTED CABINET. SEE SUPPLEMENTAL SPECIFICATION 809 FOR CONDUIT REQUIREMENTS ENTERING THE ITS GROUND MOUNTED CABINET.

ITEM 809 AS-BUILT CONSTRUCTION PLANS AND GPS COORDINATES

PRIOR TO THE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE AS-BUILT PLANS AND GPS COORDINATES PER THE REQUIREMENTS IN SUPPLEMENTAL SPECIFICATION 809.

ITEM 809 CONDUIT, 4", MULTICELL, HDPE WITH 4 - 1" INNERDUCTS

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS.

ITEM 809 DYNAMIC MESSAGE SIGN (DMS), FULL-SIZE WALK-IN

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS.

DYNAMIC MESSAGE SIGN (DMS), FULL-SIZE WALK-IN LOCATIONS:

1. DMS AT LOCATION #1 I-90 WB SLM 23.73 (LAKESHORE BLVD ENTRANCE RAMP)
2. DMS AT LOCATION #2 I-90 WB SLM 17.70 (SUPERIOR AVE)
3. DMS AT LOCATION #6 OH-176 NB SLM 12.15 (CRESTLINE AVE)

ITEM 809 DYNAMIC MESSAGE SIGN (DMS), FRONT-ACCESS

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS.

DYNAMIC MESSAGE SIGN (DMS), FRONT-ACCESS LOCATIONS:

1. QWS PANEL AT LOCATION #7 OH-176 NB SLM 12.94 (STEELYARD DR ENTRANCE RAMP)

ITEM 809 ITS DEVICE, MISC.: REMOVAL OF EXISTING ITS CABINET

THE EXISTING CABINET SHALL BE REMOVED IN ACCORDANCE WITH C&MS 632.26 AND AS INDICATED ON THE PLANS. EXISTING ITS EQUIPMENT IN THE EXISTING ITS CABINET IS TO BE RELOCATED INTO NEW ITS CABINET BY ODOT FORCES. THE CONTRACTOR SHALL COORDINATE WITH ODOT ITS AND ODOT DISTRICT 12 PRIOR TO REMOVING THE EXISTING ITS CABINET. REMOVED ITS CABINET SHALL BE DELIVERED TO ODOT DISTRICT 12.

COST ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN UNIT PRICE BID OF EACH ITEM 809 ITS DEVICE, MISC.: REMOVAL OF EXISTING ITS CABINET.

ITEM 809 ITS DEVICE, MISC.: REMOVAL OF EXISTING DMS

THE EXISTING CABINET SHALL BE REMOVED IN ACCORDANCE WITH C&MS 632.26 AND AS INDICATED ON THE PLANS.

THE EXISTING DMS SHALL BE REMOVED UPON THE COMPLETION OF RELOCATING EXISTING ITS EQUIPMENT INTO NEW ITS CABINET. REMOVED DMS AND ASSOCIATED EQUIPMENT SHALL BE DELIVERED TO ODOT DISTRICT 12.

COST ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN UNIT PRICE BID OF EACH ITEM 809 ITS DEVICE, MISC.: REMOVAL OF EXISTING DMS.

ITEM 809 ITS DEVICE, MISC.: MAINTENANCE OF EXISTING POWER SERVICE

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS NECESSARY FOR MAINTENANCE OF AN EXISTING POLE-MOUNTED POWER SERVICE PER ODOT STANDARD CONSTRUCTION DRAWINGS ITS-15.11, PRIOR TO ESTABLISHING A CONNECTION TO NEW ITS EQUIPMENT AS NOTED IN THE PLANS.

THE EXISTING POLE-MOUNTED POWER SERVICE FOR THE SITE SHALL BE MAINTAINED. THIS PAY ITEM SHALL INCLUDE THE REPLACEMENT OF EXISTING OR INSTALLATION OF NEW DISCONNECT SWITCHES USED TO DIRECTLY POWER THE ITS SITE, INSTALLING NEW CONDUIT CONNECTIONS, AND INSTALLING A NEW METER BASE ON AN EXISTING POLE MOUNTED POWER SERVICE. THIS PAY ITEM SHALL ALSO INCLUDE THE CONSTRUCTION OF A NEW POWER SERVICE RACK, AS DIRECTED BY THE ENGINEER.

THE FINAL MODIFIED POWER SERVICE SHALL BE LIKE NEW PER ITS-15.11. THE ITS RELATED POWER SERVICES SHALL BE MARKED WITH "ITS". SEPARATE DISCONNECT SWITCHES SHALL BE INSTALLED AND SHALL BE FUSIBLE. FOR 60 AMP SERVICES, DISCONNECT SWITCHES SHALL BE RATED FOR 60 AMPS WITH NEMA 4X ENCLOSURE, AND FUSED AT 30 AMPS. FOR 100 AMP SERVICES, DISCONNECT SWITCHES SHALL BE RATED FOR 100 AMPS WITH NEMA 4X ENCLOSURE, AND FUSED AT 80 AMPS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE APPROPRIATE CONTACT WITH THE POWER COMPANY FOR DEENERGIZING AND ENERGIZING OF ANY POWER LINES.

SALVAGE EXISTING METER BASES AND DISCONNECT SWITCHES. COORDINATE WITH ODOT D12 FOR RETRIEVAL. ALL OTHER EXISTING POWER SERVICE ITEMS SHALL BE DISPOSED OF BY CONTRACTOR.

ITEM 809 - MAINTAINING ITS DURING CONSTRUCTION

THE CONTRACTOR SHALL MAINTAIN ALL PREEXISTING OR NEWLY INSTALLED PERMANENT ITS/TRAFFIC DEVICES AND INFRASTRUCTURE DURING CONSTRUCTION ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809.

DESIGN AGENCY



DESIGNER

GSH

REVIEWER

JWL 03/03/26

PROJECT ID

122285

SHEET TOTAL

P.4 | 22

ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN

ALL EXISTING LANE(S) OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES EXCEPT AS DEFINED BY THE PERMITTED LANE CLOSURE SCHEDULE (PLCS) BY USE OF THE EXISTING PAVEMENT.

THE CONTRACTOR SHALL REVIEW ALL INSTALLATION LOCATIONS AND DETERMINE THE NECESSARY MAINTENANCE OF TRAFFIC REQUIRED TO PERFORM ALL PROPOSED WORK INCLUDING REPLACEMENT OR EXTENSION OF GUARDRAIL OR REPLACEMENT OF MEDIAN BARRIER WALL. THE CONTRACTOR SHALL DEVELOP A PLAN FOR ALL LOCATIONS WHERE ANY TEMPORARY TRAFFIC CONTROL ARE DETERMINED NECESSARY. THE MAINTENANCE OF TRAFFIC PLAN SHALL BE PROVIDED TO THE PROJECT ENGINEER 14 DAYS PRIOR TO INSTALLATION OF ANY TEMPORARY TRAFFIC CONTROL DEVICES. THE PLAN SHALL INCLUDE THE LAYOUT DURING WORKING AND NON-WORKING HOURS, PLANNED DATE OF INSTALLATION AND DURATION OF INSTALLATION. ALL TEMPORARY TRAFFIC CONTROL DEVICES, SIGNAGE, PORTABLE BARRIER WALL, ADDITIONAL MATERIALS AND LABOR NECESSARY TO SAFELY MAINTAIN TRAFFIC TO THE SATISFACTION OF THE ENGINEER SHALL BE INCLUDED IN THE COST OF ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR SPECIAL EVENTS:

- NEW YEAR'S (OBSERVED)
- LABOR DAY
- CHRISTMAS (OBSERVED)
- FOURTH OF JULY (OBSERVED)
- THANKSGIVING
- MEMORIAL DAY
- GENERAL/REGULAR ELECTION DAY (NOV)

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR SPECIAL EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY (GEN./REG. ELECTION)
TUESDAY	5:00 AM TUESDAY THROUGH 12:00 AM
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
WEDNESDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY (THANKSGIVING ONLY)
THURSDAY	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

DURING THE SAME PERIODS, MAINTAIN PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION. SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT TABLE (PN 127).

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

NOTIFICATION OF CONSTRUCTION INITIATION

AT LEAST FOURTEEN DAYS PRIOR TO STARTING INITIAL CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ADVISE THE DISTRICT OFFICE OF COMMUNICATIONS VIA EMAIL AT d12.public.information@dot.ohio.gov AND THE CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION VIA EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV OF THE ANTICIPATED START DATE OF ANY CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE PLACING OF WORK ZONE SIGNS. THE NOTIFICATION SHALL ALSO INCLUDE THE PROJECT NUMBER, PID, NAME AND PHONE NUMBER OF THE CONTRACTOR, A POINT OF CONTACT AND THE ANTICIPATED IMPACT ON TRAFFIC. THE CONTRACTOR WILL IMMEDIATELY INFORM THE DISTRICT OFFICE OF COMMUNICATIONS AND THE DISTRICT WORK ZONE TRAFFIC MANAGER OF ANY AND ALL DELAYS AND/OR CHANGES REGARDING THE CONSTRUCTION INITIATION DATE.

WEEKLY MAINTENANCE OF TRAFFIC MEETING

AFTER THE INITIAL PRE-MAINTENANCE OF TRAFFIC MEETING, THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER ON A WEEKLY BASIS TO GO OVER A DETAILED MAINTENANCE OF TRAFFIC REPORT OF AT LEAST 7 CALENDAR DAYS. THIS MEETING SHOULD BE HELD ON THE SAME DAY AND TIME OF EACH WEEK.

THE CONTRACTOR WILL PROVIDE TO THE PROJECT ENGINEER A WRITTEN DETAIL OF THE INFORMATION REQUIRED BY THE NOTIFICATION OF TRAFFIC RESTRICTIONS NOTE PRIOR TO THE MEETING.

IN ADDITION TO THE DETAILED MAINTENANCE OF TRAFFIC REPORT THE CONTRACTOR SHALL GIVE A GENERAL LOOK AHEAD OF AN ADDITIONAL 2 WEEKS OF UPCOMING WORK ACTIVITIES. THIS WILL INCLUDE ANY NOTIFICATION REQUIREMENTS FOR RESTRICTIONS THAT HAVE A DURATION GREATER THAN 12 HOURS.

PERMITTED LANE CLOSURE SCHEDULE (PLCS)

LANE CLOSURE(S) SHALL CONFORM TO THE PLCS. PUBLISHED PLCS INFORMATION CAN BE FOUND ON THE ODOT WEBSITE AT:

[HTTPS://WWW.TRANSPORTATION.OHIO.GOV/WPS/PORTAL/GOV/ODOT/WORKING/DATA-TOOLS/RESOURCES/PERMITTED-LANE-CLOSURE](https://www.transportation.ohio.gov/wps/portal/gov/odot/working/data-tools/resources/permited-lane-closure)

THE MONTHLY PUBLISHED SCHEDULES REQUIRED TO BE USED, FOR EACH PLCS SEGMENT WITHIN THE PROJECT AREA, ARE THOSE THAT COMPRISE THE CONSECUTIVE 12-MONTH PERIOD BEGINNING 15 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE AND ENDING 4 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE. THESE SAME 12 MONTHS APPLY FOR THE LIFE OF THE PROJECT AND SHALL BE APPLIED TO EACH RESPECTIVE MONTH OF CONSTRUCTION (MONTH OF LANE CLOSURE(S) SHALL MATCH MONTH OF PLCS USED). LANE CLOSURE(S) IN PLACE FOR MULTIPLE MONTHS SHALL ALWAYS COMPLY WITH THE CURRENT RESPECTIVE MONTH.

MORE RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE AT THE DISCRETION OF THE ENGINEER IN ORDER TO COMPLY WITH THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

LESS RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE SUBJECT TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)) AND SHALL NOT BE IMPLEMENTED UNTIL, AND UNLESS, APPROVED BY THE PROPER ODOT AUTHORITY.

LANE VALUE CONTRACT TABLE

THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE FOR EACH UNIT OF TIME A LANE/SHOULDER/RAMP IS CLOSED BY THE CONTRACTOR'S ACTION WHILE NOT OTHERWISE BY THE PERMITTED LANE CLOSURE SCHEDULE (PLCS).

LANE VALUE CONTRACT TABLE	
DESCRIPTION OF ROUTE	DISINCENTIVE
CUY-90	\$385/MINUTE
CUY-OH176	\$425/MINUTE

WORK SITE LIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 50 M. GAL.

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL, AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB OR PERMANENT BARRIER (INCLUDING BRIDGE PARAPETS) CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1 (ONE-WAY) 4 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

DELINEATION OF TEMPORARY AND PERMANENT GUARDRAIL

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL, AND, ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE (2, 3, 4, OR 5) (ONE-WAY) 9 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE ABOVE ITEM(S).

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW SHALL NOT BE PERMITTED AT PROJECT COST NOR TIME COMPENSATION. LEOS SHOULD NOT BE USED WHERE THE ODOT INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE ODOT, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

DURING PERIODS WHERE TRAFFIC NEEDS TO BE DIRECTED CONTRARY TO A TRAFFIC CONTROL DEVICE (FLAGGER, SIGN

[E.G. STOP SIGN, STREET OR HIGHWAY SIGNS, ETC], SIGNAL OR OTHER DEVICE USED TO REGULATE, WARN OR GUIDE TRAFFIC), TRAFFIC IN THIS INSTANCE INCLUDES VEHICULAR, PEDESTRIAN AND/OR SHARED USE PATH USERS. IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE ODOT, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES THAT MEET ALL OF THE CRITERIA LISTED BELOW: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP). CRITERIA ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY, AND AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION, AND, AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS AND/OR IN CONTRARY TO OTHER TRAFFIC CONTROL DEVICE IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE SHIFT DURATION SHALL NOT BE LESS THAN THE LEO'S MINIMUM SHOW-UP TIME REQUIRED BY THEIR LAW ENFORCEMENT AGENCY. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 160 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS. INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HRS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

PROJECT COORDINATION

CUY-SR176-10.65 – PID 120469 WILL INSTALL PAVEMENT MARKING AND SIGNS ALONG THE SR 176 CORRIDOR AT VARIOUS LOCATIONS FOR ALTERNATE ROUTE DURING MULTIPLE CONSTRUCTION PROJECTS LOCATED IN THE CITY OF CLEVELAND, CUYAHOGA COUNTY. THE NOTED PROJECT IS SCHEDULED TO BE UNDER CONSTRUCTION FROM APRIL 1, 2026 TO OCTOBER 30, 2026, THE CONTRACTOR SHALL COORDINATE THE PROPOSED WORK AND MAINTENANCE OF TRAFFIC IN ORDER TO NOT ADVERSELY AFFECT THE MAINTENANCE OF TRAFFIC FOR THE NOTED PROJECT.



DESIGN AGENCY

DESIGNER
NCB

REVIEWER
GSH 03/03/26

PROJECT ID
122285

SHEET TOTAL
P.6 | 22

SHEET NO.	LOCATION	CAD MEASURED AREA	202	203	203	204	304	606	606	606												
			GUARDRAIL REMOED	EXCAVATION, AS PER PLAN	EMBANKMENT, AS PER PLAN	SUBGRADE COMPACTION	AGGREGATE BASE	GUARDRAIL, TYPE MGS	ANCHOR ASSEMBLY, TYPE T	BRIDGE TERMINAL ASSEMBLY, TYPE 2												
		SF	FT	FT	FT	SY	CY	SY	EACH	EACH												
12	CUY-90-23.73 (WB)	710		18	11	79	18															
13	CUY-90-17.70 (WB)	602	64	15	10	67	15	50	1													
17	CUY-OH176-12.94 (NB)	865		22	14	97	22															
18	CUY-OH176-12.15 (NB)	2039		51	32	227	51															
21	CUY-OH176-13.19 (NB)	360		9	6	40	9	25	1	1												
TOTALS TO BE CARRIED TO GENSUM			64	115	73	510	115	75	2	1												

ROADWAY SUBSUMMARY

DESIGN AGENCY

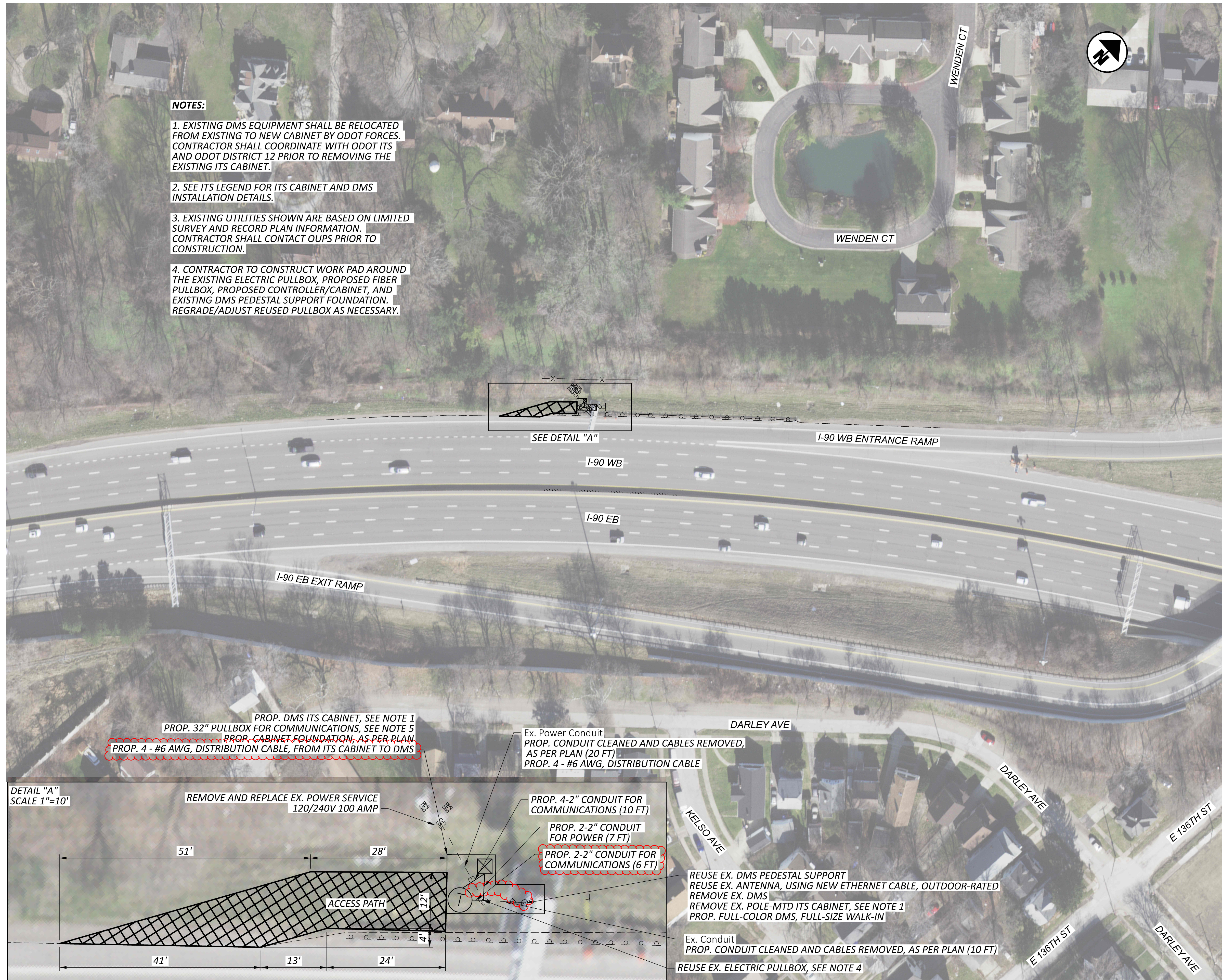
 CRAWFORD, MURPHY & TILLY, INC.
 11114 WOODBURN STREET
 SUITE 100
 COLUMBUS, OHIO 43235
 www.cmtengr.com

DESIGNER
NCB

REVIEWER
 JWL 03/03/26

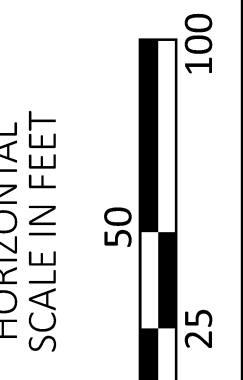
PROJECT ID
 122285

SHEET TOTAL
 P.9 | 22



NOTES:

1. EXISTING DMS EQUIPMENT SHALL BE RELOCATED FROM EXISTING TO NEW CABINET BY ODOT FORCES. CONTRACTOR SHALL COORDINATE WITH ODOT ITS AND ODOT DISTRICT 12 PRIOR TO REMOVING THE EXISTING ITS CABINET.
2. SEE ITS LEGEND FOR ITS CABINET AND DMS INSTALLATION DETAILS.
3. EXISTING UTILITIES SHOWN ARE BASED ON LIMITED SURVEY AND RECORD PLAN INFORMATION. CONTRACTOR SHALL CONTACT OUPS PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO CONSTRUCT WORK PAD AROUND THE EXISTING ELECTRIC PULLBOX, PROPOSED FIBER PULLBOX, PROPOSED CONTROLLER/CABINET, AND EXISTING DMS PEDESTAL SUPPORT FOUNDATION. REGRADE/ADJUST REUSED PULLBOX AS NECESSARY.



ITS PLAN
LOCATION #1: CUY-I90-23.73 (WB)

DESIGN AGENCY



DESIGNER

GSH

REVIEWER

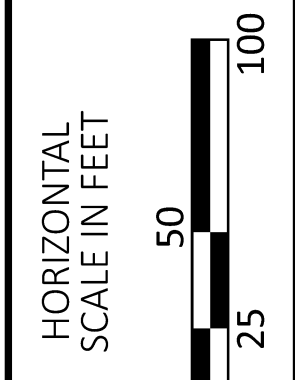
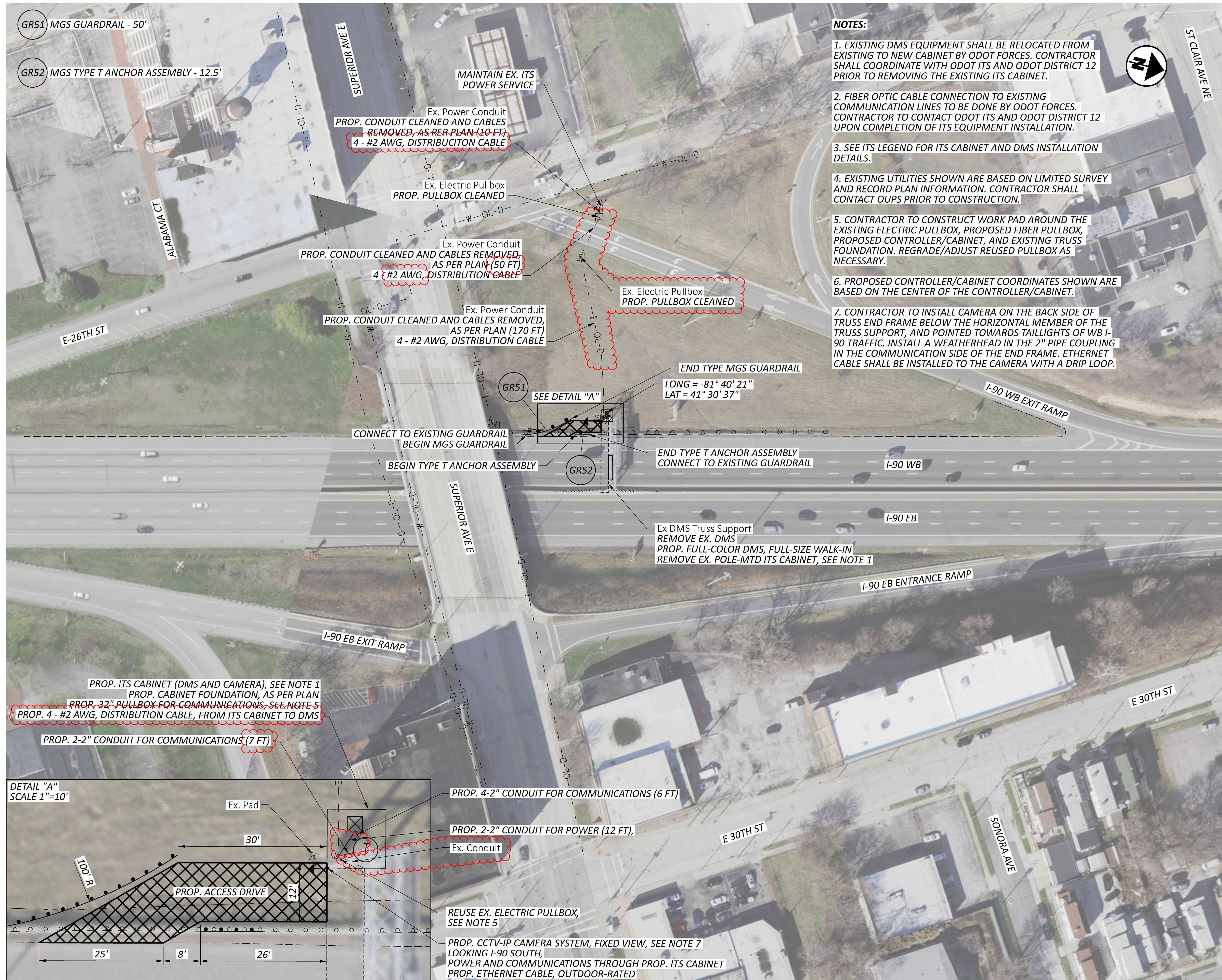
SAK 03/03/26

PROJECT ID

122285

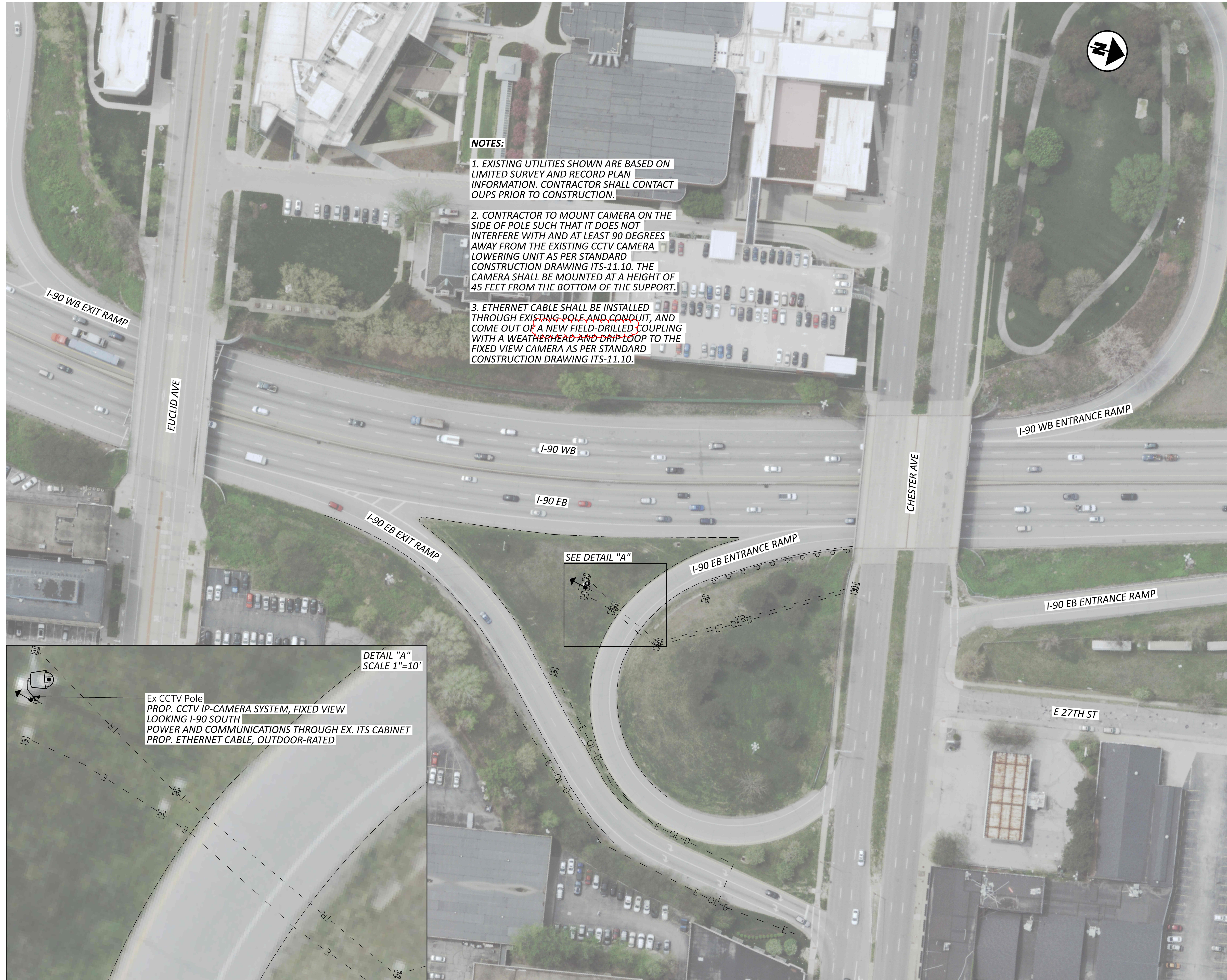
SHEET TOTAL

P.12 22



ITS PLAN
 LOCATION #2: CUY-I90-17.70 (WB)

DESIGN AGENCY	
 CRAWFORD, MURPHY & TILLY, INC. 1000 W. 10TH STREET SUITE 100 COLUMBUS, OHIO 43265 www.cmtengr.com	
DESIGNER	
GSH	
REVIEWER	
SAK 03/03/26	
PROJECT ID	
122285	
SHEET	TOTAL
P.13	22



NOTES:

1. EXISTING UTILITIES SHOWN ARE BASED ON LIMITED SURVEY AND RECORD PLAN INFORMATION. CONTRACTOR SHALL CONTACT OUPS PRIOR TO CONSTRUCTION.

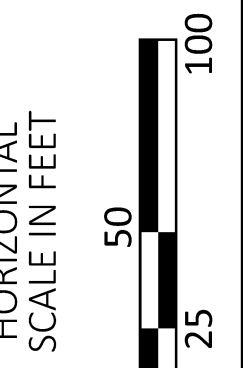
2. CONTRACTOR TO MOUNT CAMERA ON THE SIDE OF POLE SUCH THAT IT DOES NOT INTERFERE WITH AND AT LEAST 90 DEGREES AWAY FROM THE EXISTING CCTV CAMERA LOWERING UNIT AS PER STANDARD CONSTRUCTION DRAWING ITS-11.10. THE CAMERA SHALL BE MOUNTED AT A HEIGHT OF 45 FEET FROM THE BOTTOM OF THE SUPPORT.

3. ETHERNET CABLE SHALL BE INSTALLED THROUGH EXISTING POLE AND CONDUIT, AND COME OUT OF A NEW FIELD-DRILLED COUPLING WITH A WEATHERHEAD AND DRIP LOOP TO THE FIXED VIEW CAMERA AS PER STANDARD CONSTRUCTION DRAWING ITS-11.10.

**DETAIL "A"
SCALE 1"=10'**

Ex CCTV Pole
 PROP. CCTV IP-CAMERA SYSTEM, FIXED VIEW
 LOOKING I-90 SOUTH
 POWER AND COMMUNICATIONS THROUGH EX. ITS CABINET
 PROP. ETHERNET CABLE, OUTDOOR-RATED

SEE DETAIL "A"



**ITS PLAN
 LOCATION #3: CUY-190-17.24 (EB)**

DESIGN AGENCY



DESIGNER

GSH

REVIEWER

SAK 03/03/26

PROJECT ID

122285

SHEET TOTAL

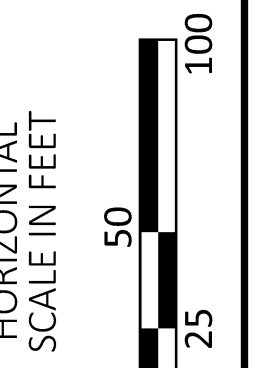
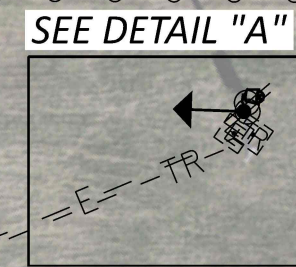
P.14 22



NOTES:

1. EXISTING UTILITIES SHOWN ARE BASED ON LIMITED SURVEY AND RECORD PLAN INFORMATION. CONTRACTOR SHALL CONTACT OUPS PRIOR TO DIGGING AND INSTALLING THE ITS EQUIPMENT.
2. CONTRACTOR TO MOUNT CAMERA ON THE SIDE OF POLE SUCH THAT IT DOES NOT INTERFERE WITH AND AT LEAST 90 DEGREES AWAY FROM THE EXISTING CCTV CAMERA LOWERING UNIT AS PER STANDARD CONSTRUCTION DRAWING ITS-11.10. THE CAMERA SHALL BE MOUNTED AT A HEIGHT OF 45 FEET FROM THE BOTTOM OF THE SUPPORT.
3. ETHERNET CABLE SHALL BE INSTALLED THROUGH EXISTING POLE AND CONDUIT, AND COME OUT OF A NEW FIELD-DRILLED COUPLING WITH A WEATHERHEAD AND DRIP LOOP TO THE FIXED VIEW CAMERA AS PER STANDARD CONSTRUCTION DRAWING ITS-11.10.

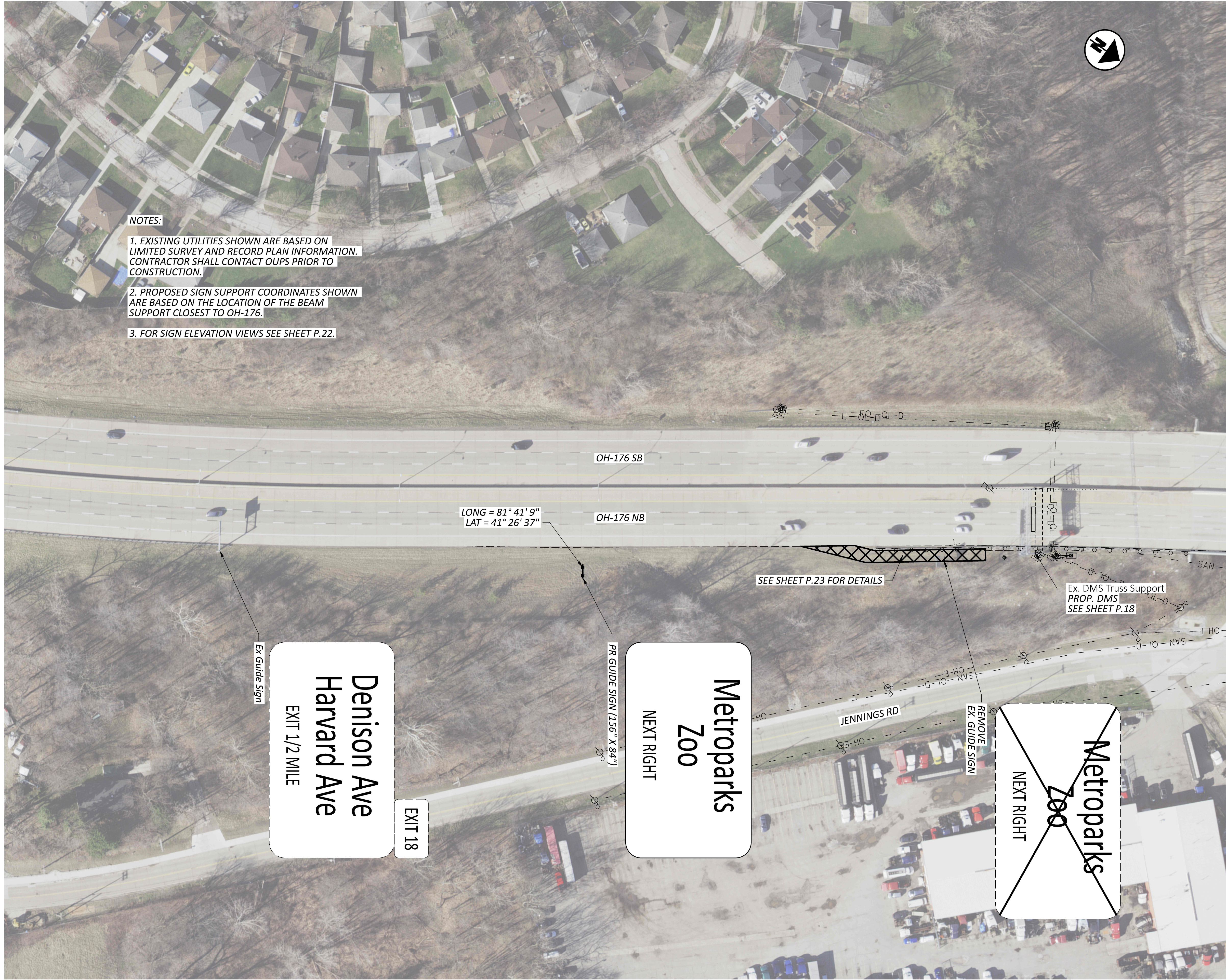
Ex CCTV Pole
 PROP. CCTV IP-CAMERA SYSTEM, FIXED VIEW
 LOOKING I-90 WEST,
 POWER AND COMMUNICATIONS THROUGH EX. ITS CABINET
 PROP. ETHERNET CABLE, OUTDOOR-RATED



ITS PLAN
 LOCATION #4: CUY-190-19.68 (EB)

DESIGN AGENCY
CMT
 CRAWFORD, MURPHY &
 TILLY, INC.
 1000 W. 10TH STREET
 SUITE 100
 COLUMBUS, OHIO 43205
 www.cmtengr.com

DESIGNER	GSH
REVIEWER	SAK
PROJECT ID	03/03/26
	122285
SHEET	TOTAL
P.15	22



NOTES:

- 1. EXISTING UTILITIES SHOWN ARE BASED ON LIMITED SURVEY AND RECORD PLAN INFORMATION. CONTRACTOR SHALL CONTACT OUPS PRIOR TO CONSTRUCTION.
- 2. PROPOSED SIGN SUPPORT COORDINATES SHOWN ARE BASED ON THE LOCATION OF THE BEAM SUPPORT CLOSEST TO OH-176.
- 3. FOR SIGN ELEVATION VIEWS SEE SHEET P.22.

LONG = 81° 41' 9"
LAT = 41° 26' 37"

SEE SHEET P.23 FOR DETAILS

Ex. DMS Truss Support
PROP. DMS
SEE SHEET P.18

Denison Ave
Harvard Ave
EXIT 1/2 MILE

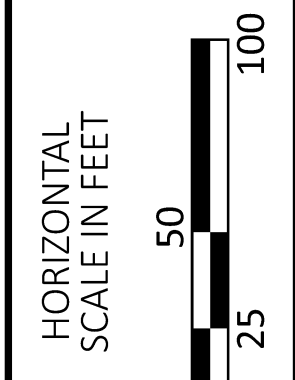
EXIT 18

PR GUIDE SIGN (156" X 84")

Metroparks
Zoo
NEXT RIGHT

REMOVE
EX. GUIDE SIGN

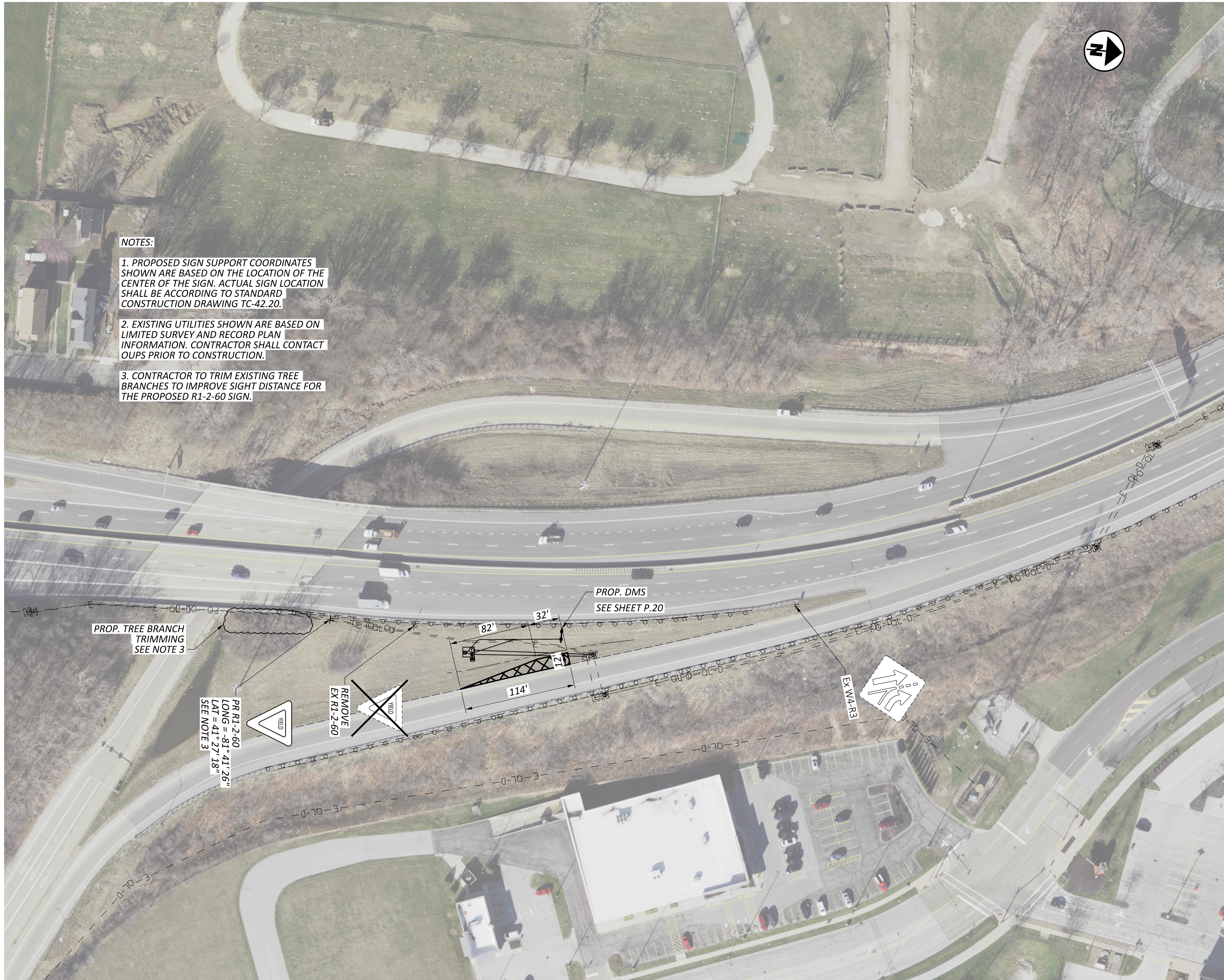
Metroparks
Zoo
NEXT RIGHT



SIGNING PLAN
LOCATION #5: CUY-OH176-12.06 (NB)

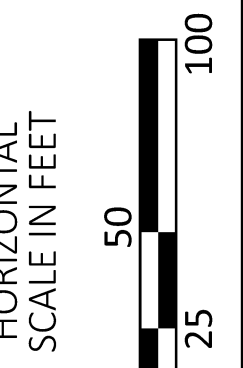
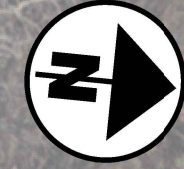
DESIGN AGENCY
CMT
CRAWFORD, MURPHY &
TILLY, INC.
1000 W. 10TH STREET
SUITE 100
COLUMBUS, OHIO 43225
www.cmtengr.com

DESIGNER
GSH
REVIEWER
SAK 03/03/26
PROJECT ID
122285
SHEET TOTAL
P.16 22



NOTES:

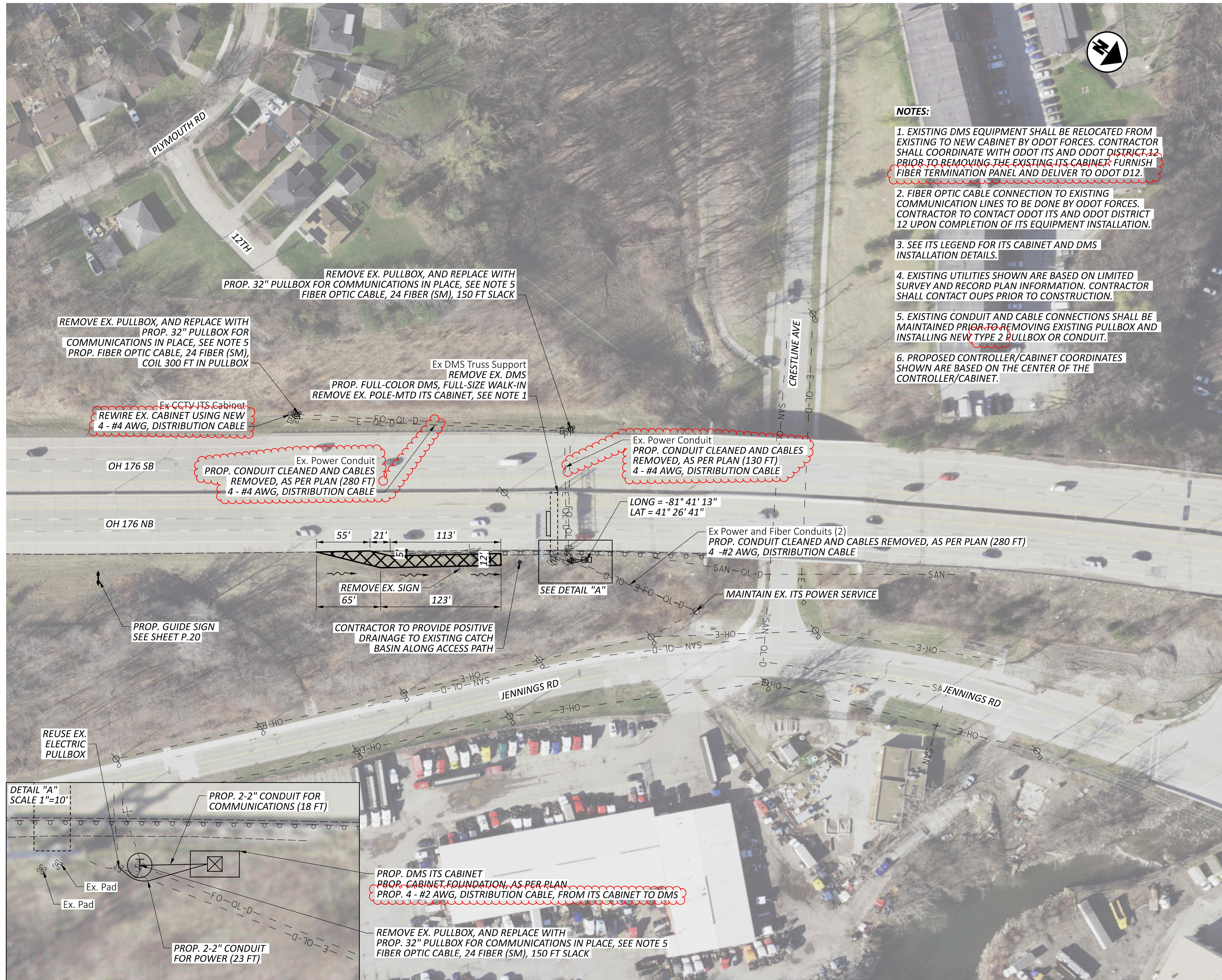
1. PROPOSED SIGN SUPPORT COORDINATES SHOWN ARE BASED ON THE LOCATION OF THE CENTER OF THE SIGN. ACTUAL SIGN LOCATION SHALL BE ACCORDING TO STANDARD CONSTRUCTION DRAWING TC-42.20.
2. EXISTING UTILITIES SHOWN ARE BASED ON LIMITED SURVEY AND RECORD PLAN INFORMATION. CONTRACTOR SHALL CONTACT OUPS PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO TRIM EXISTING TREE BRANCHES TO IMPROVE SIGHT DISTANCE FOR THE PROPOSED R1-2-60 SIGN.



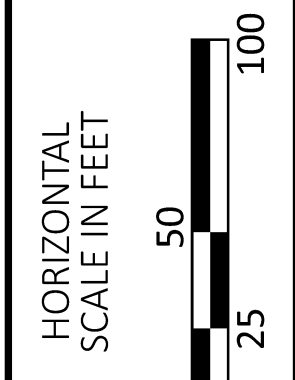
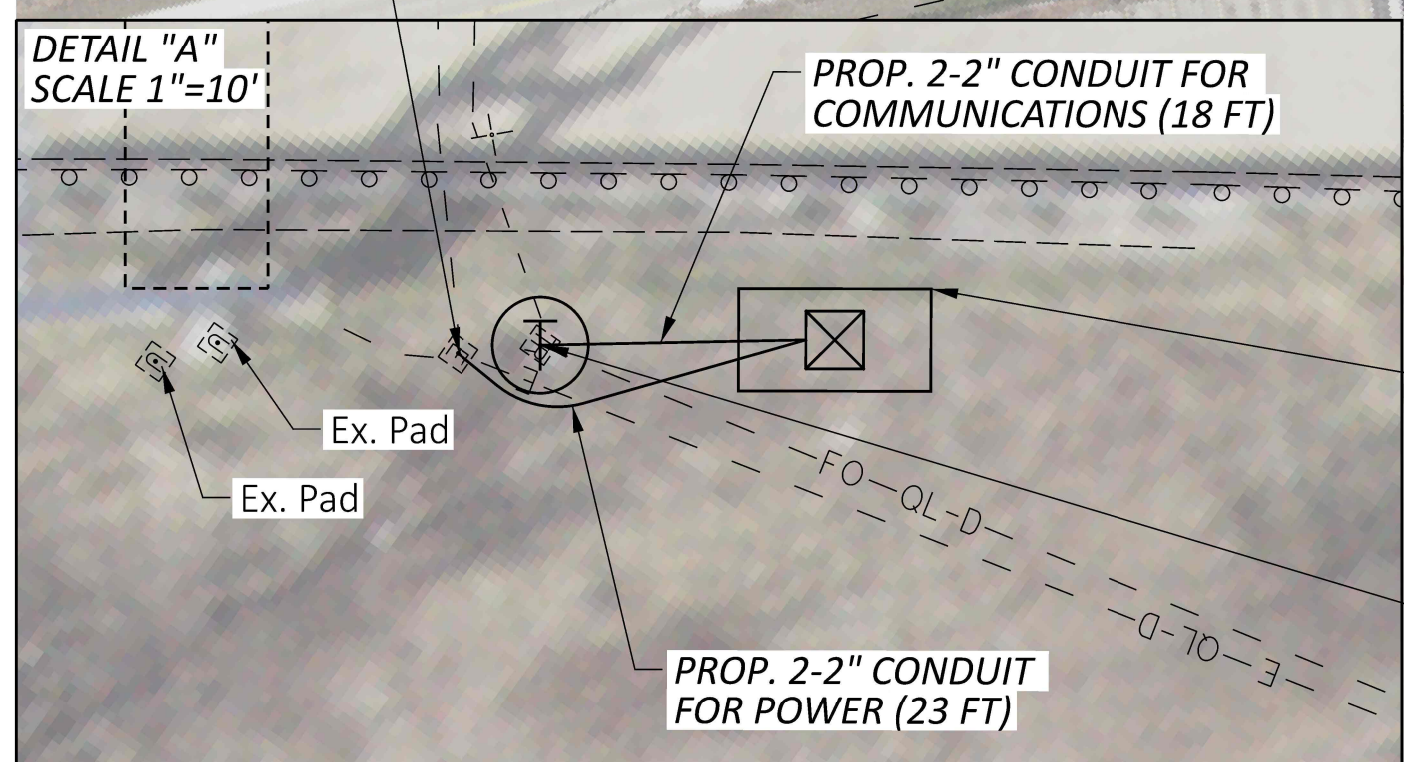
SIGNING PLAN
LOCATION #7: CUY-OH176-12.94 (NB)

DESIGN AGENCY
CMT
 CRAWFORD, MURPHY &
 TILLY, INC.
 1000 W. 10TH STREET
 SUITE 100
 COLUMBUS, OHIO 43225
 www.cmtengr.com

DESIGNER	GSH
REVIEWER	SAK
DATE	03/03/26
PROJECT ID	122285
SHEET	TOTAL
P.17	22

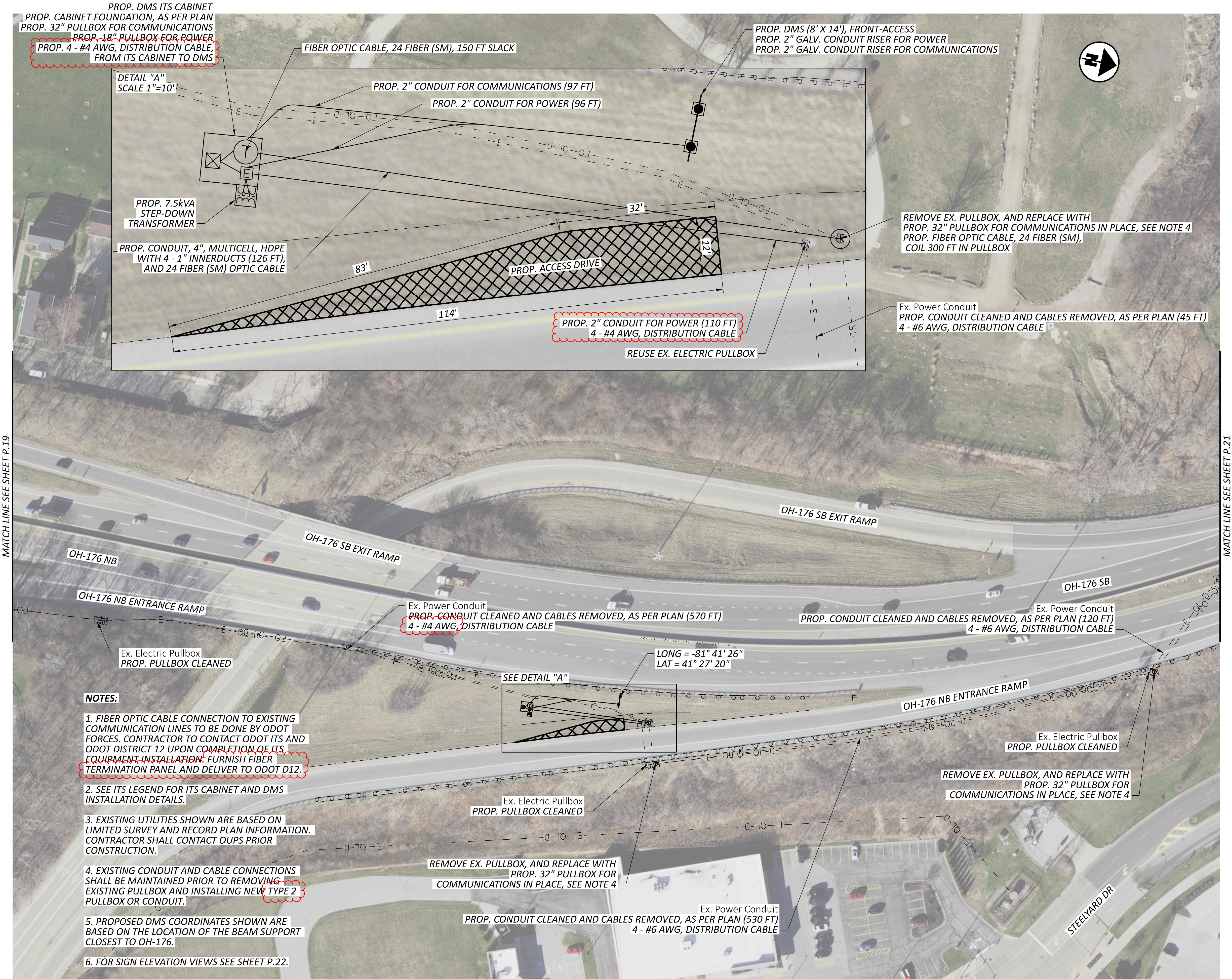


- NOTES:**
- EXISTING DMS EQUIPMENT SHALL BE RELOCATED FROM EXISTING TO NEW CABINET BY ODOT FORCES. CONTRACTOR SHALL COORDINATE WITH ODOT ITS AND ODOT DISTRICT 12 PRIOR TO REMOVING THE EXISTING ITS CABINET. FURNISH FIBER TERMINATION PANEL AND DELIVER TO ODOT D12.
 - FIBER OPTIC CABLE CONNECTION TO EXISTING COMMUNICATION LINES TO BE DONE BY ODOT FORCES. CONTRACTOR TO CONTACT ODOT ITS AND ODOT DISTRICT 12 UPON COMPLETION OF ITS EQUIPMENT INSTALLATION.
 - SEE ITS LEGEND FOR ITS CABINET AND DMS INSTALLATION DETAILS.
 - EXISTING UTILITIES SHOWN ARE BASED ON LIMITED SURVEY AND RECORD PLAN INFORMATION. CONTRACTOR SHALL CONTACT OUPS PRIOR TO CONSTRUCTION.
 - EXISTING CONDUIT AND CABLE CONNECTIONS SHALL BE MAINTAINED PRIOR TO REMOVING EXISTING PULLBOX AND INSTALLING NEW TYPE 2 PULLBOX OR CONDUIT.
 - PROPOSED CONTROLLER/CABINET COORDINATES SHOWN ARE BASED ON THE CENTER OF THE CONTROLLER/CABINET.



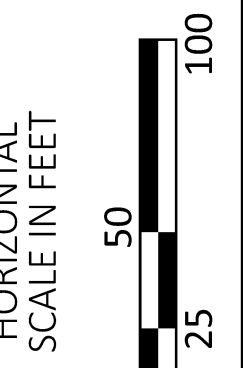
ITS PLAN
 LOCATION #6: CUY-OH176-12.15 (NB)

DESIGN AGENCY	
 CRAWFORD, MURPHY & TILLY, INC. 500 WEST STREET SUITE 150 COLUMBUS, OHIO 43205 www.cmteng.com	
DESIGNER	
GSH	
REVIEWER	
SAK 03/03/26	
PROJECT ID	
122285	
SHEET	TOTAL
P.18	22

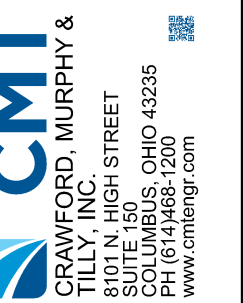


NOTES:

1. FIBER OPTIC CABLE CONNECTION TO EXISTING COMMUNICATION LINES TO BE DONE BY ODOT FORCES. CONTRACTOR TO CONTACT ODOT ITS AND ODOT DISTRICT 12 UPON COMPLETION OF ITS EQUIPMENT INSTALLATION. FURNISH FIBER TERMINATION PANEL AND DELIVER TO ODOT D12.
2. SEE ITS LEGEND FOR ITS CABINET AND DMS INSTALLATION DETAILS.
3. EXISTING UTILITIES SHOWN ARE BASED ON LIMITED SURVEY AND RECORD PLAN INFORMATION. CONTRACTOR SHALL CONTACT OUPS PRIOR CONSTRUCTION.
4. EXISTING CONDUIT AND CABLE CONNECTIONS SHALL BE MAINTAINED PRIOR TO REMOVING EXISTING PULLBOX AND INSTALLING NEW TYPE 2 PULLBOX OR CONDUIT.
5. PROPOSED DMS COORDINATES SHOWN ARE BASED ON THE LOCATION OF THE BEAM SUPPORT CLOSEST TO OH-176.
6. FOR SIGN ELEVATION VIEWS SEE SHEET P.22.



DESIGN AGENCY



DESIGNER

GSH

REVIEWER

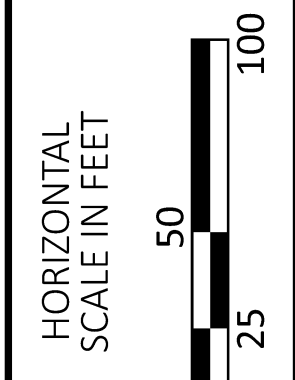
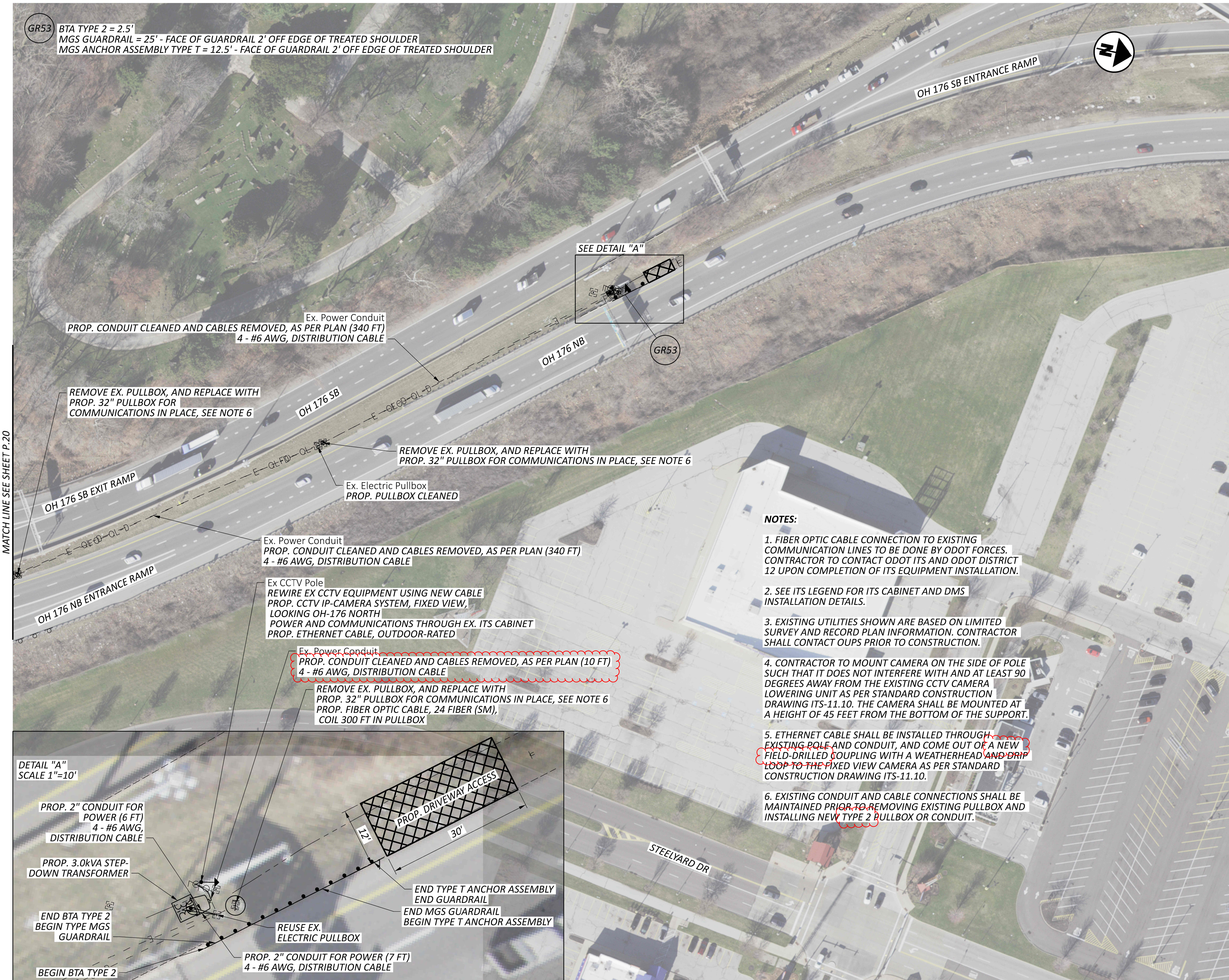
SAK 03/03/26

PROJECT ID

122285

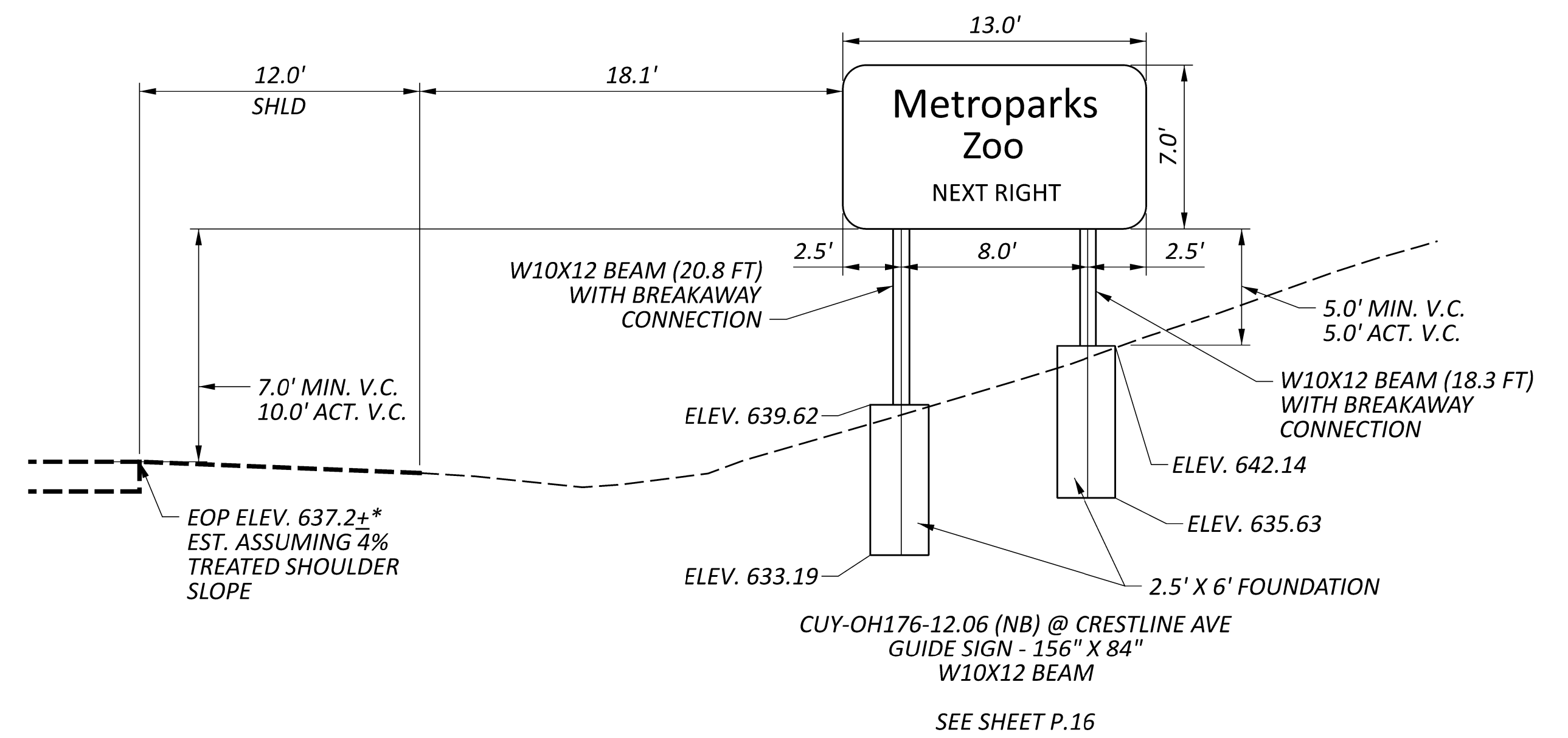
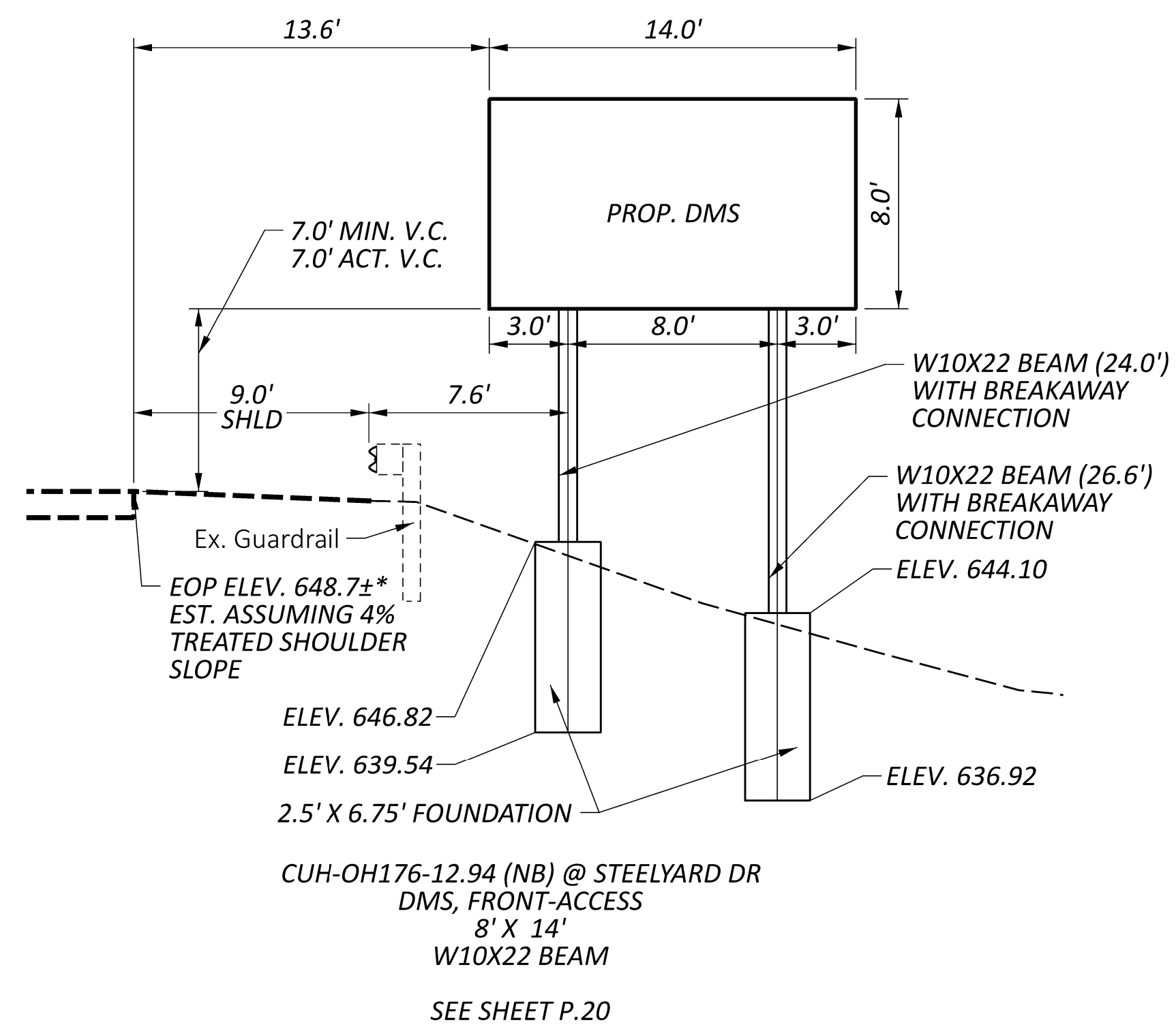
SHEET TOTAL

P.20 22

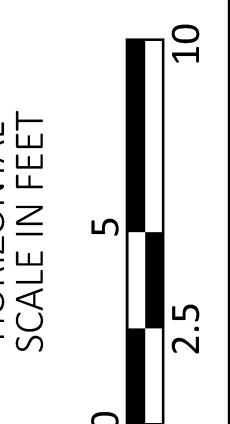


ITS PLAN
LOCATION #8: CUY-OH176-13.19 (NB)

DESIGN AGENCY	
 CRAWFORD, MURPHY & TILLY, INC. 1000 W. 10TH STREET SUITE 100 COLUMBUS, OHIO 43225 www.cmteng.com	
DESIGNER	
GSH	
REVIEWER	
SAK 03/03/26	
PROJECT ID	
122285	
SHEET	TOTAL
P.21	22



DMS AND SIGN DETAIL
 ELEVATION VIEW



DESIGN AGENCY	
 CRAWFORD, MURPHY & TILLY, INC. 5000 WOODBURN STREET SUITE 100 COLUMBUS, OHIO 43228 www.cmtengr.com	
DESIGNER	
GSH	
REVIEWER	
SAK	03/03/26
PROJECT ID	
122285	
SHEET	TOTAL
P.22	22