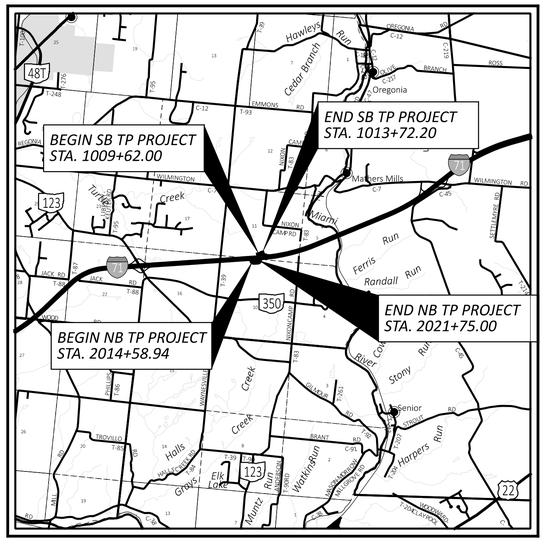
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

WAR-IR 71 REST AREAS TP

TURTLE CREEK TOWNSHIP

WARREN COUNTY



LOCATION MAP

LATITUDE: 39°24'54" LONGITUDE: -84°07'23"

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

DESIGN DESIGNATION

CURRENT ADT (2027)	*51,500*
DESIGN YEAR ADT (2047)	*64,000*
DESIGN HOURLY VOLUME (2027)	*7,700*
DIRECTIONAL DISTRIBUTION	*65.7%*
TRUCKS (24 HOUR B&C)	*26%*
DESIGN SPEED	*75*
LEGAL SPEED	*70*

DESIGN FUNCTIONAL CLASSIFICATION:
01 - INTERSTATE (RURAL)
NHS PROJECT — *YES*

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

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:
WOOLPERT

INDEX OF SHEETS:

TITLE SHEET	*P.1*
SCHEMATIC PLAN	*P.2 - P.3*
TYPICAL SECTIONS	*P.4 - P.16*
GENERAL NOTES	*P.17 - P.18*
MAINTENANCE OF TRAFFIC	*P.19*
GENERAL SUMMARY	*P.20 - P.22*
SUBSUMMARIES	*P.23 - P.28*
PROJECT SITE PLAN	*P.29 - P.31*
PLAN AND PROFILE	
I.R. 71 SB REST AREA TP	*P.32 - P.41*
I.R. 71 NB WEST REST AREA TP	*P.42 - P.45*
I.R. 71 NB EAST REST AREA TP	*P.46 - P.51*
CROSS SECTIONS	
I.R. 71 SB REST AREA TP	*P.52 - P.79*
I.R. 71 NB WEST REST AREA TP	*P.80 - P.93*
I.R. 71 NB EAST REST AREA TP	*P.94 - P.112*
PAVEMENT DETAILS	*P.113 - P.123*
TRUCK PARKING ISLAND ELEVATION DETAILS	*P.124 - P.129*
CONCRETE PAVEMENT JOINT DETAILS	*P.130 - P.140*
GRADING PLANS	*P.141 - P.144*
MAINTENANCE VEHICLE PARKING AND DUMPSTER PAD DETAILS	*P.145 - P.148*
DRIVE DETAILS	*P.149 - P.150*
DRAINAGE DETAILS	
STORM SEWER PROFILES	*P.151 - P.159*
CULVERT DETAILS	*P.160*
BMP DETAILS	*P.161 - P.164*
WATER WORK	*P.165 - P.168*
TRAFFIC CONTROL	*P.169 - P.176*
LIGHTING	*P.177 - P.191*
ENCLOSURE DETAIL	*P.192*
FENCE PLAN	*P.193 - P.196*
GEOTECHNICAL PROFILE - ROADWAY	*P.197 - P.205*

FEDERAL PROJECT NUMBER

NON-FEDERAL

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT ADDS ADDITIONAL TRUCK PARKING FACILITIES TO TWO REST AREA LOCATIONS ALONG NORTHBOUND AND SOUTHBOUND I.R. 71 IN WARREN COUNTY. THE PROJECT INCLUDES FULL DEPTH PAVEMENT, MINOR WIDENING, DRAINAGE INSTALLATION WITHIN TRUCK PARKING FACILITIES, PAVEMENT MARKING AND SIGNING.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	*23.90 ACRES*
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	*3.40 ACRES*
NOTICE OF INTENT EARTH DISTURBED AREA:	*27.30 ACRES*

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 EXCEPT FOR THE REST AREA RAMPS AS DESCRIBED ON SHEET P.19 AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Douglas A. Gruver, P.E.
District 08 Deputy Director

Pamela Boratyn
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS

BP-1.1	*7/28/00*	*DM-4.2*	*7/20/12*	*RD-4.1*	*7/17/26*	*HL-20.11*	*1/16/26*	*MT-103.20*	*1/16/26*	*800-2023*	*7/17/26*
BP-2.1	*1/21/22*	*DM-4.3*	*1/15/16*	*RD-5.1*	*7/17/26*	*HL-20.21*	*1/16/26*	*MT-105.10*	*1/17/20*	*813*	*7/21/23*
BP-2.2	*1/16/26*	*DM-4.4*	*1/15/16*	*RD-7.1*	*7/17/26*	*HL-30.11*	*1/16/26*			*821*	*4/20/12*
BP-2.5	*1/16/26*					*HL-30.22*	*1/17/25*	*TC-41.20*	*10/18/13*	*825*	*7/19/24*
BP-3.1	*1/19/24*	*F-2.1*	*7/20/18*	*RM-3.1*	*7/20/18*	*HL-40.10*	*1/16/26*	*TC-41.30*	*4/21/23*	*832*	*7/18/25*
BP-8.1	*7/19/24*	*F-3.3*	*7/19/13*	*RM-5.1*	*7/18/14*	*HL-40.20*	*7/18/25*	*TC-41.50*	*10/18/13*	*878*	*1/16/26*
		F-3.4	*7/19/13*			*HL-60.11*	*7/21/17*	*TC-42.10*	*10/18/13*	*902*	*1/16/26*
CB-1	*7/19/24*			*WQ-1.1*	*7/21/23*	*HL-60.31*	*1/16/26*	*TC-42.20*	*10/18/13*	*913*	*4/16/21*
CB-2-2A, 2B, 2C	*7/19/24*	*I-2*	*7/19/24*	*WQ-1.2*	*1/15/16*			*TC-52.10*	*10/18/13*		
CB-2-3, 2-4	*7/19/24*					*MT-95.45*	*7/21/23*	*TC-52.20*	*1/15/21*		
CB-3	*7/17/26*	*MGS-2.1*	*7/17/26*	*HW-2.1*	*7/15/22*	*MT-95.50*	*7/21/17*	*TC-61.30*	*7/19/24*		
CB-3A	*7/17/26*	*MGS-4.2*	*7/17/26*	*HW-2.2*	*7/20/18*	*MT-98.28*	*1/17/20*	*TC-71.10*	*1/16/26*		
		MGS-4.3	*7/18/25*			*MT-98.29*	*1/17/20*	*TC-74.10*	*1/16/26*		
DM-1.1	*7/17/26*	*MGS-5.2*	*7/17/26*	*HL-10.11*	*1/16/26*	*MT-101.60*	*1/17/25*				
DM-1.2	*1/17/25*			*HL-10.12*	*1/16/26*	*MT-101.90*	*7/17/20*				
DM-4.1	*7/17/26*	*MH-3*	*7/19/24*	*HL-10.13*	*1/20/23*	*MT-103.10*	*7/18/25*				

SUPPLEMENTAL SPECIFICATIONS

SPECIAL PROVISIONS

ENVIRONMENTAL COMMITMENTS

ENGINEER'S SEAL	*ENGINEER'S SEAL*
ENTIRE PLAN EXCEPT LIGHTING	*LIGHTING*
STATE OF OHIO · CRAIG A GOODNIGHT · E-82871 · REGISTERED · PROFESSIONAL ENGINEER	STATE OF OHIO · JOHN T BRIGHAM · E-66883 · REGISTERED · PROFESSIONAL ENGINEER

DESIGN AGENCY
WOOLPERT

DESIGNER
DI

REVIEWER
CAG 07/01/26

PROJECT ID
122893

SHEET P.1 TOTAL 205

TITLE SHEET

WAR-IR 71 REST AREAS TP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/27/2026 TIME: 9:58:58 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_Woolpert\Roadway\Sheets\122893_GT101.dgn

INTERIM COMPLETION DATE

THE CONTRACTOR SHALL COMPLETE ALL WORK AT EITHER THE NORTHBOUND OR SOUTHBOUND REST AREA SITE AND OPEN ALL LANES AND PARKING AT THAT SITE TO TRAFFIC BY NOVEMBER 1, 2027. NOVEMBER 1, 2027, SHALL BE CONSIDERED TO CONSTITUTE AN INTERIM COMPLETION DATE AND LIQUIDATED DAMAGES SHALL BE ASSESSED IN ACCORDANCE WITH CMS 108.07 FOR EACH CALENDAR DAY AFTER NOVEMBER 1, 2027, UNTIL ALL WORK AT EITHER SITE IS COMPLETE AND ALL LANES AND PARKING AT THAT SITE ARE OPEN AND AVAILABLE TO TRAFFIC.

REMOVAL MISC.: BENCH AND TRASH CAN REMOVED AND SALVAGED

AT LOCATIONS SHOWN IN THE PLANS, THE CONTRACTOR SHALL CAREFULLY REMOVE ALL TRASH CANS AND BENCHES WITHIN THE CONSTRUCTION LIMITS AND RETURN TO DISTRICT 8 FACILITIES AT 505 SOUTH SR 741, LEBANON OH, 45036.

REMOVAL MISC.: ROCKS REMOVED

AT LOCATIONS SHOWN IN THE PLANS, THE CONTRACTOR SHALL REMOVE ALL ROCKS WITHIN THE CONSTRUCTION LIMITS. PAYMENT FOR THE REMOVALS SHALL BE MADE AT THE UNIT PRICE BID UNDER ITEM - 202 REMOVAL MISC.: ROCKS REMOVED, AND SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS.

REMOVAL MISC.: ASPHALT PILES

AT LOCATIONS SHOWN IN THE PLANS, THE CONTRACTOR SHALL REMOVE ALL ASPHALT PILES WITHIN THE RIGHT-OF-WAY. PAYMENT FOR THE REMOVALS SHALL BE MADE AT THE UNIT PRICE BID UNDER ITEM - 202 REMOVAL MISC.: ASPHALT PILES REMOVED, AND SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS.

REMOVAL MISC.: CINDER PILES

AT LOCATIONS SHOWN IN THE PLANS, THE CONTRACTOR SHALL REMOVE ALL CINDER PILES WITHIN THE CONSTRUCTION LIMITS. PAYMENT FOR THE REMOVALS SHALL BE MADE AT THE UNIT PRICE BID UNDER ITEM - 202 REMOVAL MISC.: CINDER PILES REMOVED, AND SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS.

REMOVAL MISC.: ROCK PILES

AT LOCATIONS SHOWN IN THE PLANS, THE CONTRACTOR SHALL REMOVE ALL ROCK PILES WITHIN THE CONSTRUCTION LIMITS. PAYMENT FOR THE REMOVALS SHALL BE MADE AT THE UNIT PRICE BID UNDER ITEM - 202 REMOVAL MISC.: ROCK PILES REMOVED, AND SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS.

REMOVAL MISC.: CONCRETE PAD REMOVED

AT LOCATIONS SHOWN IN THE PLANS, THE CONTRACTOR SHALL REMOVE ALL CONCRETE PADS WITHIN THE CONSTRUCTION LIMITS. PAYMENT FOR THE REMOVALS SHALL BE MADE AT THE UNIT PRICE BID UNDER ITEM - 202 REMOVAL MISC.: CONCRETE PAD REMOVED, AND SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS.

REMOVAL MISC.: TELECOM PULL BOX REMOVED

AT LOCATIONS SHOWN IN THE PLANS, THE CONTRACTOR SHALL REMOVE ALL TELECOM PULL BOXES WITHIN THE CONSTRUCTION LIMITS. PAYMENT FOR THE REMOVALS SHALL BE MADE AT THE UNIT PRICE BID UNDER ITEM - 202 REMOVAL MISC.: TELECOM PULL BOX REMOVED, AND SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS.

ITEM SPECIAL - PIPE CLEANOUT

THIS WORK CONSISTS OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. DISPOSE OF ALL MATERIAL PER 105.16 AND 105.17. CLEAN OUT TO THE APPROVAL OF THE ENGINEER.

CLEANOUT OF THE PIPE IS PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL, PIPE CLEANOUT. THIS PRICE INCLUDES THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM SPECIAL, PIPE CLEANOUT, 24" AND UNDER 250 LF

ITEM 203 - GRANULAR MATERIAL, TYPE E, AS PER PLAN

SUPPLY AND INSTALL GRANULAR MATERIAL CONSISTING OF NATURAL ROUNDED GRAVEL MEETING THE NO. 4 GRADATION AS OUTLINED IN CMS TABLE 703.01-1. INSTALL THE GRANULAR MATERIAL IN A SINGLE LIFT, GRADING AS APPROPRIATE TO MEET THE FINAL GRADES OUTLINED IN THE PLANS. DENSIFY AND COMPACT THE GRANULAR MATERIAL USING A VIBRATORY PLATE COMPACTOR WITH A COMPACTIVE EFFORT BETWEEN ½ AND 2 TONS. PERFORM AT LEAST TWO PASSES OF THE VIBRATORY PLATE COMPACTOR. COMPACTION TESTING WILL NOT BE PERFORMED ON THE NO. 4 GRANULAR MATERIAL.

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

ROCK EXCAVATION FOR STORM SEWER INSTALLATION

DUE TO THE SHALLOW TOP OF ROCK ELEVATION DETAILED IN THE GEOTECHNICAL PROFILE FOR THE NB TRUCK PARKING SITE AND FROM BORINGS COMPLETED, B-003-0-25, B-006-0-25, AND B-007-0-25, A CONTINGENCY QUANTITY FOR ROCK EXCAVATION HAS BEEN INCLUDED IN THE PLANS TO BE USED BY THE PROJECT ENGINEER SHOULD ROCK BE ENCOUNTERED DURING THE INSTALLATION OF THE PROPOSED STORM SEWER DRAINAGE STRUCTURES AND CONDUITS.

THE QUANTITIES FOR EXCAVATING THE ROCK ARE TO BE PAID FOR UNDER ITEM 503, UNCLASSIFIED EXCAVATION INCLUDING ROCK. THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY FOR ROCK EXCAVATION IN THE NB TRUCK PARKING PROPOSED STORM SEWER AREA.

ITEM 503 - UNCLASSIFIED EXCAVATION INCLUDING ROCK 50 CY

ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN

THE CONTRACTOR SHALL LOCATE AND RECONSTRUCT THE EXISTING MANHOLE TO GRADE. PAYMENT FOR THE LOCATION, EXPOSURE, AND RECONSTRUCTION TO GRADE OF THE MANHOLE SHALL BE MADE AT THE UNIT PRICE BID UNDER ITEM 611, MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN, AND SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS.

ITEM 646 - TRANSVERSE/DIAGONAL LINE, AS PER PLAN

THE TRANSVERSE/DIAGONAL LINES SHALL BE LAID OUT PER CMS 641.08, EXCEPT THE LINE WIDTH SHALL BE 4 INCHES WIDE.

REMOVAL MISC.: BOLLARDS

AT LOCATIONS SHOWN IN THE PLANS, THE CONTRACTOR SHALL REMOVE ALL BOLLARDS, ALONG WITH THE STEEL PIPE EMBEDDED IN THE CONCRETE AND FOUNDATIONS ASSOCIATED WITH EACH BOLLARD, THAT ARE NOTED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS.

EXISTING CONCRETE SHALL BE NEATLY SAWCUT AND REMOVE THE PAVEMENT AS NECESSARY TO FACILITATE BOLLARD REMOVAL. THE ENGINEER MAY INCREASE THE REPAIR LIMITS TO REMOVE UNSOUND CONCRETE OR TO ACHIEVE A SATISFACTORY REPAIR.

AFTER REMOVAL OF THE BOLLARD FOUNDATION, FILL THE RESULTING VOID WITH ITEM 613, LOW STRENGTH MORTAR BACKFILL TO THE ELEVATION NECESSARY TO PROVIDE A MINIMUM OF 6 INCHES OF AGGREGATE BASE BENEATH THE PROPOSED PAVEMENT REPAIR. PLACE AND COMPACT THE AGGREGATE BASE IN ACCORDANCE WITH ITEM 304.

PERFORM FULL DEPTH PAVEMENT REPLACEMENT IN ACCORDANCE WITH ITEM 255, FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 1, CLASS QC 1. THE CONCRETE PAVEMENT REPAIR SHALL MATCH THE THICKNESS, GRADE, CROSS SLOPE, AND SURFACE ELEVATION OF THE ADJACENT PAVEMENT.

FOR BIDDING PURPOSES, ASSUME ONE 3 FOOT BY 3 FOOT FULL-DEPTH CONCRETE PAVEMENT REPAIR FOR EACH BOLLARD REMOVED.

PAYMENT FOR REMOVAL OF THE BOLLARDS AND THE ASSOCIATED ITEM 255 PAVEMENT REPAIR SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ITEM 202, REMOVAL MISC.: BOLLARDS REMOVED, AND SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, EXCAVATION, DISPOSAL, LOW STRENGTH MORTAR BACKFILL, AGGREGATE BASE, ITEM 255 PAVEMENT REPAIR, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK. NO SEPARATE PAYMENT WILL BE MADE FOR THE LOW STRENGTH MORTAR BACKFILL, AGGREGATE BASE, OR ITEM 255 PAVEMENT REPAIR.

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/29/2026 TIME: 2:03:33 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCEx02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_Woolpert\Roadway\Sheets\122893_GN102.dgn

DESIGN AGENCY
WOOLPERT

DESIGNER ZLW
REVIEWER CAG 07/01/26
PROJECT ID 122893
SHEET P.18 TOTAL 205

SHEET NUMBER													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE
P.19	P.24	P.169	P.170	P.171	P.172	P.178	P.179	P.180					01/NFP		EXT	TOTAL			SHEET NO.
																		LIGHTING (CONT.)	
							5						5	625	14100	5	EACH	LIGHT POLE FOUNDATION, 24" X 8' DEEP	
						10	11						21	625	15700	21	EACH	LIGHT TOWER FOUNDATION, MISC.:36" X 8'	P.177
						6,756	5,127	210					12,093	625	23200	12,093	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
							1,050	210					1,260	625	23400	1,260	FT	NO. 10 AWG POLE AND BRACKET CABLE	
						520	1,880	260					2,660	625	24320	2,660	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES	
						3,693	1,609						5,302	625	25504	5,302	FT	CONDUIT, 3", 725.051	
								60					60	625	25902	60	FT	CONDUIT, JACKED OR DRILLED, 725.04 3"	
							5						5	625	26253	5	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 480V	P.177
						20	22						42	625	26263	42	EACH	LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN, 480V	P.177
						4,163	3,359	235					7,757	625	29000	7,757	FT	TRENCH	
						13	6	2					21	625	30700	21	EACH	PULL BOX, 725.08, 18"	
						4							4	625	30706	4	EACH	PULL BOX, 725.08, 24"	
								3					3	625	31506	3	EACH	PULL BOX REMOVED AND REPLACED	
								1					1	625	31510	1	EACH	PULL BOX REMOVED	
						20	28						48	625	32000	48	EACH	GROUND ROD	
						3							3	625	34001	3	EACH	POWER SERVICE, AS PER PLAN	P.177
						3							3	625	34450	3	EACH	CONTROL CENTER CABINET, COMPLETE	
								1					1	625	35010	1	EACH	REMOVE AND REERECT EXISTING LIGHT POLE	
						4,163	3,359	235					7,757	625	36010	7,757	FT	UNDERGROUND WARNING MARKING TAPE	
								1					1	625	75400	1	EACH	LIGHT POLE REMOVED	
						3							3	625	76000	3	EACH	ARC FLASH CALCULATIONS AND LABEL, CONTROL CENTER (CC-NB1, CC-NB2, CC-SB)	
						5,253							5,253	632	69320	5,253	FT	POWER CABLE, 3 CONDUCTOR, NO. 2 AWG	
																		TRAFFIC CONTROL	
	3												3	626	00110	3	EACH	BARRIER REFLECTOR, TYPE 2, ONE-WAY	
					946								946	630	03100	946	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
					11								11	630	08600	11	EACH	SIGN POST REFLECTOR, (RED)	
					464.3								464.3	630	80100	464.3	SF	SIGN, FLAT SHEET	
					156								156	630	80200	156	SF	SIGN, GROUND MOUNTED EXTRUSHEET	
					5								5	630	84900	5	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
					4								4	630	86002	4	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
		0.47	0.35	0.03									0.85	646	10010	0.85	MILE	EDGE LINE, 6", WHITE	
		0.17	0.39										0.56	646	10010	0.56	MILE	EDGE LINE, 6", YELLOW	
		0.09		0.09									0.18	646	10200	0.18	MILE	CENTER LINE	
			26										26	646	10400	26	FT	STOP LINE	
		194	70	316									580	646	10510	580	FT	CROSSWALK LINE, 12"	
		659	445										1,104	646	10601	1,104	FT	TRANSVERSE/DIAGONAL LINE, AS PER PLAN, 4" WHITE	P.18
		33		123									156	646	10601	156	FT	TRANSVERSE/DIAGONAL LINE, AS PER PLAN, 4" YELLOW	P.18
		3	3										6	646	10900	6	EACH	HANDICAP SYMBOL MARKING	
		12,210	5,033	5,940									23,183	646	20200	23,183	FT	PARKING LOT STALL MARKING	
		18	8	5									31	646	20300	31	EACH	LANE ARROW	
		26		51									77	646	20800	77	FT	YIELD LINE	
		8	9										17	646	50000	17	EACH	REMOVAL OF PAVEMENT MARKING	
		6,330	7,804	380									14,514	646	50100	14,514	FT	REMOVAL OF PAVEMENT MARKING	
																		MAINTENANCE OF TRAFFIC	
6													6	614	18601	6	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.19
																		INCIDENTALS	
													LS	614	11000	LS		MAINTAINING TRAFFIC	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

WAR-IR 71 REST AREAS TP

DESIGN AGENCY
WOOLPERT

DESIGNER
JDK

REVIEWER
CAG 07/01/26

PROJECT ID
122893

SHEET P.22 TOTAL 205

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/28/2026 TIME: 2:00:27 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCEv02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_Woolpert\Roadway\Sheets\122893_GG003.dgn
Josh.Kinnear@woolpert.com_GG003.dgn

CROSS REFERENCES	
SHEET NO.	DESCRIPTION
P.2 - P.3	SCHEMATIC PLAN
P.23 - P.28	ESTIMATED QUANTITIES
P.151 - P.159	STORM SEWER PROFILES
P.38 - P.41	I.R. 71 SB REST AREA TP PROFILES
P.160	CULVERT DETAILS

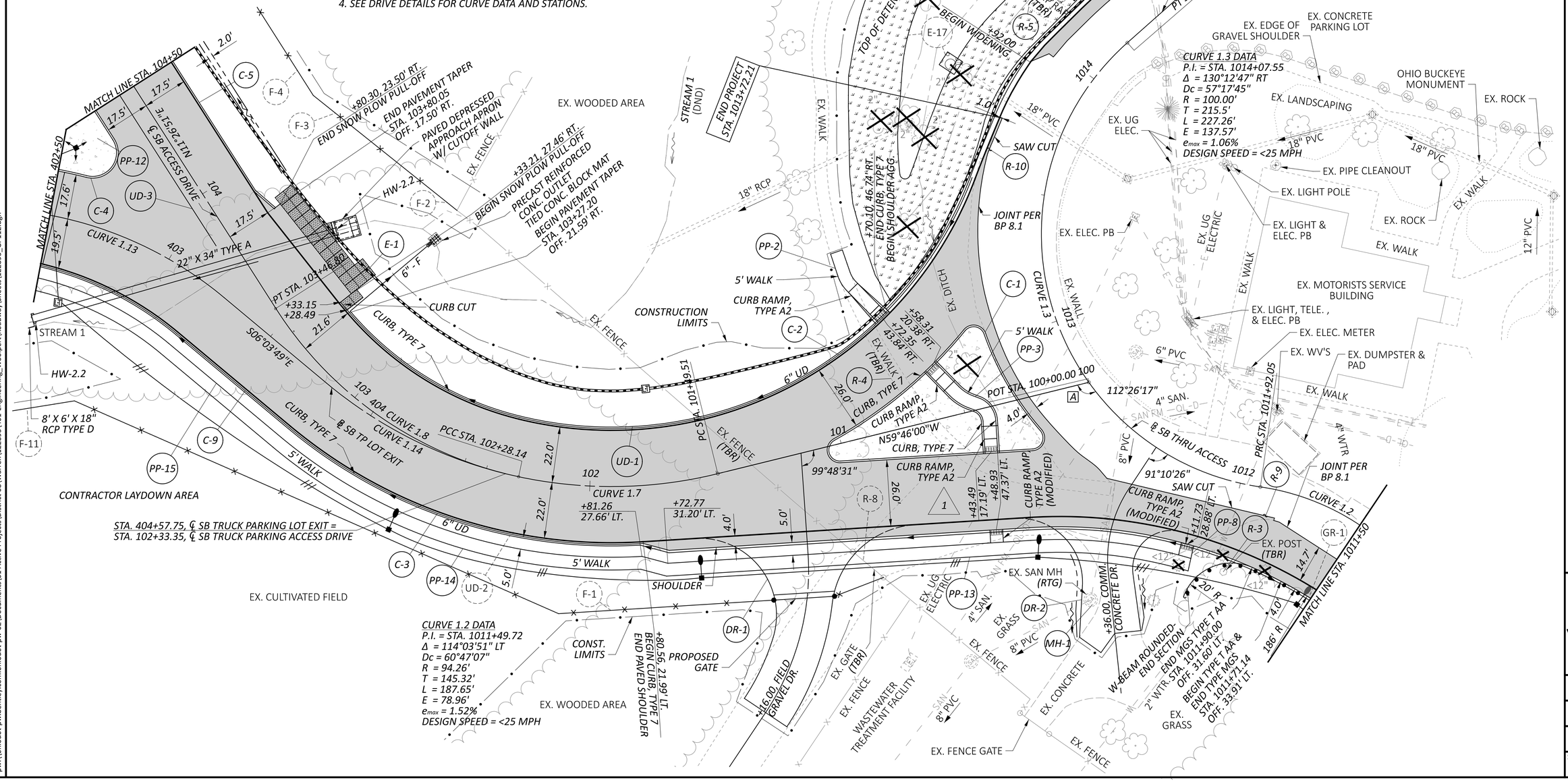
[A] STA. 100+00.00, ℄ SB TP ACCESS DRIVE= STA. 1012+72.84, ℄ SB THRU-ACCESS

1 UTILITY NOT TO BE DISTURBED; OMIT CEMENT STABILIZATION OVER UTILITY

LEGEND

- CONCRETE MEDIANS
- FULL DEPTH PAVEMENT
- TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT
- WORK TO BE COMPLETED BY OTHERS
- ROCK CHANNEL PROTECTION
- ITEM 203 - GRANULAR MATERIAL, TYPE E, AS PER PLAN
- ITEM 670 - SLOPE EROSION PROTECTION
- WETLAND

NOTE:
1. DO NOT DISTURB EXISTING FEATURES WITHIN CONSTRUCTION LIMITS UNLESS OTHERWISE STATED IN THE PLANS.
2. SEE SCHEMATIC FOR CURVE DATA.
3. SEE LIGHTING PLANS FOR LIGHTING DETAILS AND QUANTITIES.
4. SEE DRIVE DETAILS FOR CURVE DATA AND STATIONS.



HORIZONTAL SCALE IN FEET
0 10 20 40

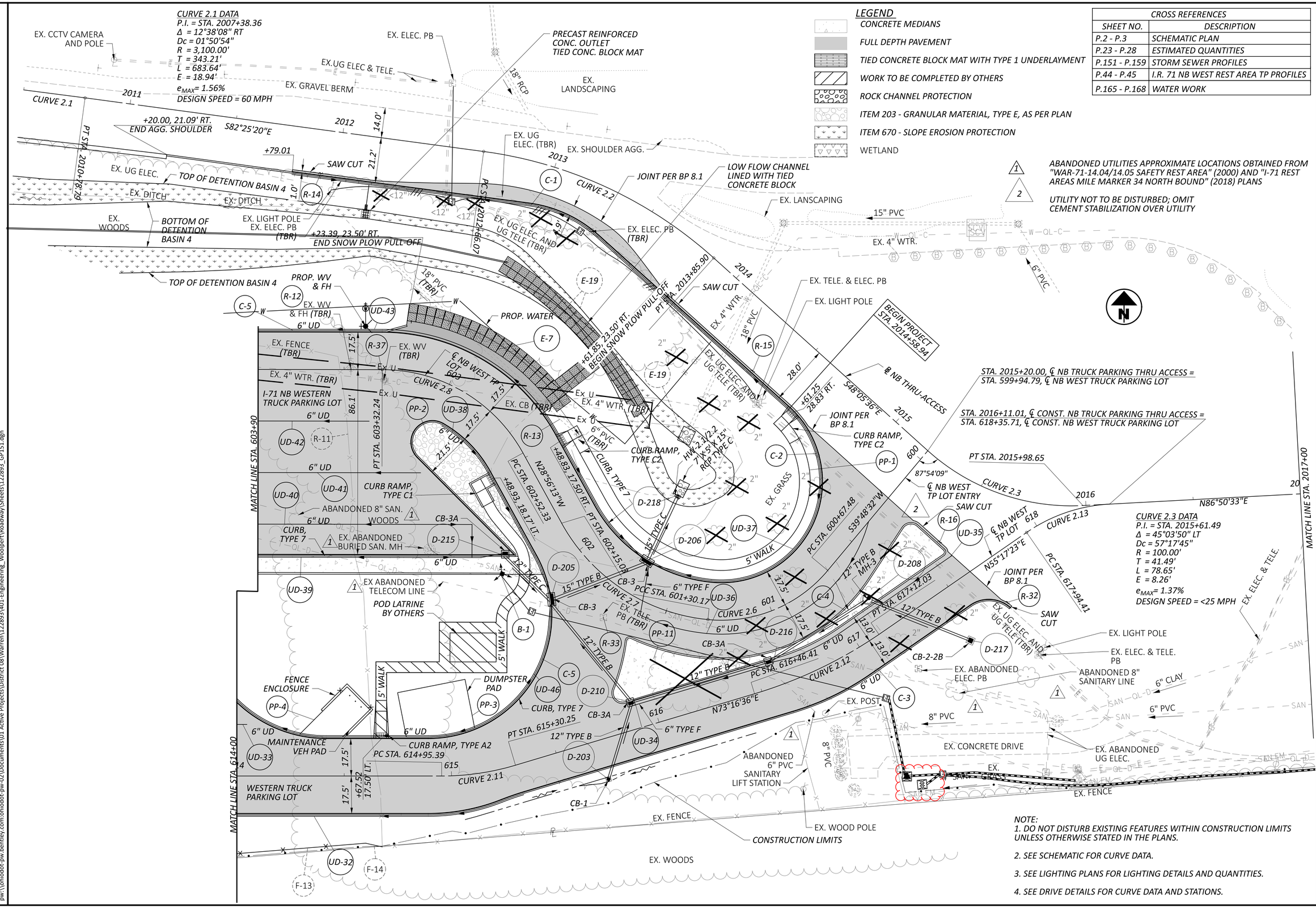
PLAN - I.R. 71 SB REST AREA TP
STA. 1011+50.00 TO STA. 1015+00.00 & ACCESS DRIVE - STA. 100+00.00 TO STA. 104+50.00

WAR-IR 71 REST AREAS TP

DESIGN AGENCY
WOOLPERT

DESIGNER	NAB
REVIEWER	CAG 07/01/26
PROJECT ID	122893
SHEET	P.33
TOTAL	205

MODEL: 122893_GP111 PAPERSIZE: 34x22 (in.) DATE: 10/29/2026 TIME: 10:09:15 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCEv02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_Woolpert\Roadway\Sheets\122893_GP112.dgn



WAR-IR 71 REST AREAS TP

PLAN - I.R. 71 NB REST AREA TP
STA. 2011+79.00 TO STA. 2017+00.00 & WEST PARKING LOT

DESIGN AGENCY
WOOLPERT

DESIGNER NAB
REVIEWER CAG 07/01/26
PROJECT ID 122893
SHEET P.42 TOTAL 205

MODEL: 122893_GP151 PAPERSIZE: 34x22 (in.) DATE: 10/28/2026 TIME: 2:02:50 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCEx02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_Woolpert\Roadway\Sheets\122893_GP151.dgn

625, POWER SERVICE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE FOLLOWING IS ADDED.

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS:
POWER COMPANY: DUKE ENERGY
ADDRESS: 139 4TH ST. E, CINCINNATI, OHIO 45202
PHONE #: 513-910-9072
CONTACT NAME: AUBREY WADE

THE ENGINEER SHALL ENSURE THAT EACH POWER SERVICE ELECTRICAL ENERGY ACCOUNT IS IN THE NAME OF AND THAT THE BILLING ADDRESS IS TO THE MAINTAINING AGENCY NOTED IN THE PLANS. THIS SHALL BE DONE NOT ONLY FOR EACH NEW POWER SERVICE ESTABLISHED BY THIS PROJECT BUT ALSO FOR EACH EXISTING POWER SERVICE, SINCE THERE MAY BE A REASSIGNMENT OF THE RESPONSIBILITY FOR AN EXISTING SERVICE AS A RESULT OF THE WORK PERFORMED BY THIS PROJECT.

THE PROPOSED GROUND MOUNTED POWER SERVICES SHALL BE FURNISHED AND INSTALLED AS SHOWN IN ODOT STANDARD CONSTRUCTION DRAWING HL-40.20. 480 VOLT, SINGLE PHASE, STEP-UP TRANSFORMERS WITH CONCRETE PADS, DISCONNECT SWITCHES AND ADDITIONAL GROUND MOUNTED STRUCTURES AND ACCESSORIES AS REQUIRED, ARE INCIDENTAL TO THIS ITEM AND SHALL ALSO BE FURNISHED AND INSTALLED WITH THIS INSTALLATION BY THE CONTRACTOR. EACH POWER SERVICE SHALL INCLUDE A DUKE ENERGY UTILITY METER AND A CONTRACTOR-FURNISHED DUKE ENERGY APPROVED METER SOCKET. THE POWER SERVICES DO NOT REQUIRE CT CABINETS. LOADS ARE UNDER 400 AMPS. THE CONTRACTOR SHALL COORDINATE WITH DUKE ENERGY WHEN PERFORMING THIS WORK.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH C&MS ITEM 625, "POWER SERVICE, AS PER PLAN" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

PADLOCKS AND KEYS

PADLOCKS FURNISHED SHALL BE EITHER BRASS OR BRONZE, EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNAN 660A, AND SHALL BE KEYED IN ACCORDANCE WITH C&MS 631.06. PAYMENT SHALL BE INCLUDED IN THE BID FOR THE ITEM(S) BEING LOCKED.

ITEM 625 ARC FLASH CALCULATIONS AND LABEL

THE CONTRACTOR SHALL SATISFY THE REQUIREMENTS OF ODOT SUPPLEMENTAL SPECIFICATION 825 FOR THE CONTROL CENTERS. THE CONTRACTOR MAY BE ABLE TO OBTAIN LABELS FOR THE ODOT MAINTAINED INSTALLATIONS FROM THE ODOT SIGN SHOP, 1606 WEST BROAD ST., COLUMBUS, OH 43223, FOR NON-ODOT MAINTAINED INSTALLATIONS THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE LABEL MADE FROM "ENGINEER GRADE" SIGN SHEETING OR AN EQUIVALENT LABEL MATERIAL.

THE ODOT OFFICE OF ROADWAY ENGINEERING AND THE DISTRICT OFFICE HAVE AN EXCEL SPREADSHEET AVAILABLE UPON REQUEST, TO ASSIST WITH MAKING AND DOCUMENTING THE REQUIRED CALCULATIONS.

METHOD OF MEASUREMENT SHALL BE AS PER 825.06. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 625 ARC FLASH CALCULATION AND LABEL - 2 EACH

625, LIGHT TOWER FOUNDATION, MISC: 36" X 8' DEEP

THE LIGHT TOWER FOUNDATIONS SHALL FOLLOW THE REQUIREMENTS. OF 625 AND 725, BUT SHALL BE CONSTRUCTED TO A DEPTH OF 8'. DO NOT REDUCE THE DEPTH IF BEDROCK IS ENCOUNTERED.

ITEM 625, LIGHT TOWER, MISC: BB45

THE LIGHT TOWER SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH C&MS SECTION 625 AND THE APPLICABLE REQUIREMENTS OF SECTION 725.21. THE LIGHT TOWER SHALL INCLUDE THE SHAFT WITH BASE PLATE, POLE HEAD, LUMINAIRE RING, INTEGRAL LOWERING MECHANISM, COMPLETE LIGHTNING PROTECTION SYSTEM, INTERNAL POWER CABLE, AND ALL CONNECTING AND ASSOCIATED HARDWARE NECESSARY TO SUPPORT THE LUMINAIRES AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL SUBMIT TWO COPIES OF CERTIFIED SHOP DRAWINGS AND CATALOG CUTS TO THE ENGINEER PRIOR TO INSTALLATION IN ACCORDANCE WITH C&MS 625.04, CERTIFYING IN WRITING THAT EACH MANUFACTURED ITEM CONFORMS TO ALL CONTRACT REQUIREMENTS.

PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL PERFORM ALL REQUIRED ELECTRICAL TESTS IN ACCORDANCE WITH C&MS 625.19, INCLUDING GROUND TESTS, CABLE CONTINUITY TESTS, CABLE INSULATION TESTS, AND A 10-DAY PERFORMANCE TEST. THE CONTRACTOR SHALL ALSO DEMONSTRATE THE WORKABILITY OF THE LUMINAIRE LOWERING DEVICE BY LOWERING AND RAISING THE LUMINAIRE ASSEMBLY ON TWO SEPARATE OCCASIONS DURING THE 10-DAY PERFORMANCE TEST. ALL COSTS ASSOCIATED WITH REQUIRED ELECTRICAL TESTING, EXCEPT HIGH VOLTAGE TESTS, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE RESPECTIVE ITEMS TESTED. THE DEPARTMENT WILL MEASURE THE LIGHT TOWER BY THE NUMBER OF EACH FURNISHED AND INSTALLED, COMPLETE IN PLACE, IN ACCORDANCE WITH C&MS 625.21.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH C&MS ITEM 625, "LIGHT TOWER, MISC.: BB45" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 625, LIGHT POLE, CONVENTIONAL, AS PER PLAN, AT20B40

THE LIGHT POLE SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH C&MS SECTION 625 AND THE APPLICABLE REQUIREMENTS OF SECTIONS 725.01 AND 725.21. THE LIGHT POLE SHALL INCLUDE THE POLE, BRACKET ARM IF REQUIRED, TRANSFORMER BASE, COUPLINGS, SLIP PLATE OR OTHER BREAKAWAY DEVICE AS SPECIFIED, AND ALL INTEGRAL HARDWARE NECESSARY TO SUPPORT THE LUMINAIRES AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL SUBMIT TWO COPIES OF CERTIFIED SHOP DRAWINGS AND CATALOG CUTS TO THE ENGINEER PRIOR TO INSTALLATION IN ACCORDANCE WITH C&MS 625.04, CERTIFYING IN WRITING THAT EACH MANUFACTURED ITEM CONFORMS TO ALL CONTRACT REQUIREMENTS.

EACH LIGHT POLE SHALL BE ADEQUATELY GROUNDED AS SPECIFIED IN C&MS 625.09 OR 625.17, AND EACH POLE SHALL BE IDENTIFIED WITH A NUMBER INDICATING BOTH THE CIRCUIT NUMBER AND POLE NUMBER, LOCATED APPROXIMATELY 7 FEET (2.1 M) ABOVE THE GROUND LINE ON THE QUADRANT FACING ONCOMING TRAFFIC, IN ACCORDANCE WITH C&MS 625.20. THE DEPARTMENT WILL MEASURE THE LIGHT POLE BY THE NUMBER OF EACH FURNISHED AND INSTALLED, COMPLETE IN PLACE, IN ACCORDANCE WITH C&MS 625.21.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH C&MS ITEM 625, "LIGHT POLE, CONVENTIONAL, AS PER PLAN, AT20B40" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

SPECIAL, MAINTAIN EXISTING LIGHTING

EXISTING ROADWAYS WHICH ARE TO REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION OF THIS PROJECT AND WHICH ARE LIGHTED SHALL HAVE THE LIGHTING MAINTAINED AS DESCRIBED HEREIN. EXISTING LIGHTING SHALL REMAIN ON ITS CURRENT CIRCUITS AND SEPARATE FROM PROPOSED LIGHTING

BEFORE ANY WORK IS STARTED IN THE IMMEDIATE VICINITY OF THE EXISTING LIGHTING CIRCUITS, REPRESENTATIVES OF ODOT, THE MAINTAINING AGENCY AND THE CONTRACTOR SHALL MAKE A VISUAL INSPECTION OF THE EXISTING ROADWAY LIGHTING CIRCUITS TO BE MAINTAINED. DURING THIS INSPECTION, A WRITTEN RECORD OF THE CONDITION OF EXISTING LIGHTING SHALL BE MADE BY ODOT'S REPRESENTATIVE. THIS WRITTEN REPORT SHALL NOTE INDIVIDUAL LUMINAIRES WHICH ARE NOT IN WORKING ORDER, INDIVIDUAL POLES WHICH ARE NOT STANDING, AND INDIVIDUAL CIRCUITS WHICH ARE NOT IN WORKING ORDER. THE COMPLETED REPORT SHALL BE SIGNED BY THE REPRESENTATIVES OF ODOT, THE MAINTAINING AGENCY AND THE CONTRACTOR.

IF, AS A RESULT OF THIS INSPECTION, IT IS DETERMINED THAT THE CONDITION OF THE EXISTING SYSTEM IS BELOW THAT REQUIRED FOR THE SAFETY OF THE TRAVELING PUBLIC, THEN THE MAINTAINING AGENCY SHALL MAKE THE REPAIRS NECESSARY TO RETURN THE SYSTEM TO AN ACCEPTABLE CONDITION. FOLLOWING THESE REPAIRS, THE SYSTEM SHALL AGAIN BE INSPECTED AND A REPORT SHALL BE MADE AND SIGNED AS OUTLINED HEREIN.

WHEN THE EXISTING SYSTEM IS IN AN ACCEPTABLE CONDITION, IT SHALL BE TURNED OVER TO THE CONTRACTOR WHO SHALL THEN BE REQUIRED TO MAINTAIN THE EXISTING LIGHTING TO THE CONDITION OUTLINED IN THIS REPORT WITH THE EXCEPTION OF KNOCKDOWNS DUE TO TRAFFIC ACCIDENTS.

REPLACEMENT OF KNOCKED DOWNED UNITS SHALL BE DONE ONLY WHEN THE ENGINEER HAS DETERMINED THAT THE REPLACEMENT OF THE KNOCKED DOWN UNIT IS NECESSARY AND SHALL BE PAID SEPARATELY ON A UNIT BASIS.

BETTERMENTS SHALL BE COVERED IN ITEMS OF WORK PERTAINING TO THE CONSTRUCTION OF PERMANENT IMPROVEMENT.

WHEN THE SEQUENCE OF CONSTRUCTION ACTIVITIES REQUIRES, OR SHOULD THE CONTRACTOR DESIRE, THE REMOVAL OF THE EXISTING LIGHTING BEFORE THE NEW LIGHTING IS OPERATIONAL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY LIGHTING OF THIS PORTION OF THE ROADWAY.

PRIOR TO INSTALLING SUCH LIGHTING, THE CONTRACTOR SHALL PREPARE AND SUBMIT FOUR SETS OF THE TEMPORARY LIGHTING PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL.

THIS PLAN SHALL SHOW LOCATIONS OF POLES, LENGTHS OF BRACKET ARMS, STYLES OF LUMINAIRES, MOUNTING HEIGHTS, WIRING METHODS AND OTHER PERTINENT INFORMATION. THE TEMPORARY LIGHTING SHALL PROVIDE AN AVERAGE INITIAL INTENSITY OF 1.2 FOOTCANDLES WITH AN AVERAGE TO MINIMUM UNIFORMITY NOT TO EXCEED 3:1. MOUNTING HEIGHT OF TEMPORARY LUMINAIRES SHALL NOT BE LESS THAN 30 FEET, AND THE MINIMUM OVERHEAD CONDUCTOR CLEARANCE SHALL BE 20 FEET. TEMPORARY OVERHEAD CONSTRUCTION SHALL NOT BE LESS THAN GRADE "B" FOR STRENGTH REQUIREMENTS AS DEFINED BY THE NATIONAL ELECTRIC SAFETY CODE. WOOD POLES WITH OVERHEAD WIRING MAY BE USED. HOWEVER, TEMPORARY LIGHTING SHALL MEET FEDERAL AND STATE SAFETY CRITERIA. IF BREAKAWAY POLES ARE USED TO MEET THESE CRITERIA, THEN UNDERGROUND WIRING SHALL BE USED. RECONDITIONED OR USED MATERIALS MAY BE FURNISHED FOR TEMPORARY LIGHTING.

SPECIAL, MAINTAIN EXISTING LIGHTING (CONT.)

ALL MATERIALS NECESSARY TO COMPLETE THE TEMPORARY LIGHTING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. WHEN NO LONGER NEEDED, THE TEMPORARY LIGHTING INSTALLATION SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.

WHEN THE PROJECT BEGINS AND THE CONTRACTOR HAS TAKEN OVER MAINTENANCE OF THE EXISTING FACILITIES, THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED LAYOUTS AND LOCATIONS OF THE EXISTING AND PROPOSED ELECTRICAL CIRCUITS AND RELATED ITEMS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL LOCATE AND MARK ALL UNDERGROUND ELECTRICAL CIRCUITS (INCLUDING TRAFFIC LOOPS AND LOOP LEAD-INS) FOR THE DURATION OF THE PROJECT.

THE MAINTAINING AGENCY WILL PAY FOR ELECTRICAL ENERGY CONSUMED BY EXISTING POWER SERVICES AND BY PROPOSED PERMANENT POWER SERVICES AFTER ACCEPTANCE OF THE LIGHTING WORK. THE CONTRACTOR WILL PAY FOR ELECTRICAL ENERGY, INSTALLATION, REMOVAL AND MAINTENANCE OF ANY TEMPORARY POWER SERVICES.

THE LUMP SUM PRICE BID FOR ITEM SPECIAL "MAINTAIN EXISTING LIGHTING" SHALL INCLUDE PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO MAINTAIN THE EXISTING LIGHTING AS SPECIFIED HEREIN.

THE UNIT PRICE BID FOR ITEM SPECIAL "REPLACEMENT OF EXISTING LIGHTING UNIT" SHALL BE FULL PAYMENT FOR THE REPLACEMENT OF AN EXISTING LIGHTING UNIT WHICH HAS BEEN KNOCKED DOWN AFTER THE AFOREMENTIONED INSPECTION AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO PROVIDE A REPLACEMENT FOR SUCH UNIT.

ITEM 625, LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 480V

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, LUMINAIRES FOR CONVENTIONAL LIGHTING UNITS SHALL BE AS FOLLOWS:
AEL, ATBM-P30-MVOLT-R2-3K
COOPER, VERD-CA2-100-730-U-T3
OR APPROVED EQUAL
LUMINAIRES SHALL BE 480 VOLT, 3000K CCT.
PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH "LUMINAIRE, CONVENTIONAL SOLID STATE (LED), AS PER PLAN" FOR EACH LUMINAIRE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 625, LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN, 480V

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, LUMINAIRES FOR HIGH MAST LIGHTING UNITS SHALL BE AS FOLLOWS:
HOLOPHANE, CATALOG NO. HMLED4_P3_30K_MVOLT_AWCHM
EATON, CATALOG NO. CLED2-08C-GY-3070-HO-T4-A
OR APPROVED EQUAL
LUMINAIRES SHALL BE 480 VOLT, 3000K CCT.
PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH "LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN" FOR EACH LUMINAIRE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

LIGHTING PLAN NOTES

DESIGN AGENCY
WOOLPERT

DESIGNER AAA
REVIEWER JTB 06/29/26
PROJECT ID 122893
SHEET P.177 TOTAL 205

WAR-IR 71 REST AREAS TP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/27/2026 TIME: 10:01:42 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCEv02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893401-Engineering_Woolpert\Lighting\Sheets\122893_LN001.dgn

REF NO.	SHEET NO.	STATION TO STATION	625 CONNECTION, FUSED PULL APART EACH	625 CONNECTION, UNFUSED PULL APART EACH	625 CONNECTION, UNFUSED PERMANENT EACH	625 LIGHT POLE, CONVENTIONAL, AS PER PLAN, AT20B40 EACH	625 LIGHT POLE FOUNDATION, 24" X 8' DEEP EACH	625 LIGHT TOWER FOUNDATION, MISC.:36' X 8' EACH	625 NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE FT	625 NO. 10 AWG POLE AND BRACKET CABLE FT	625 1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES FT	625 CONDUIT, 3", 725.051 FT	625 LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN, 480V EACH	625 TRENCH FT	625 PULL BOX, 725.08, 18" EACH	625 PULL BOX, 725.08, 24" EACH	625 GROUND ROD EACH	625 POWER SERVICE, AS PER PLAN EACH	625 CONTROL CENTER CABINET, COMPLETE EACH	625 UNDERGROUND WARNING/MARKING TAPE FT	625 ARC FLASH CALCULATIONS AND LABEL, CONTROL CENTER (CC-NB1, CC-NB2, CC-SB) EACH	625 LIGHT TOWER, MISC.:BB45 EACH	632 POWER CABLE, 3 CONDUCTOR, NO. 2 AWG FT
POWER SOURCE TO CIRCUITS																								
CC-SB	181	201+05, 25' RT & 1014+60, 69' LT																	1	1		1		
C-11	181	201+04 24' RT. TO 200+91 24' RT.										25		15							15			75
PB-5	181	200+90 25' RT														1								
C-20	181	200+90 24' RT. TO 200+00 25' RT										90		90							90			300
	181/182	105+06 25' RT TO 101+75 36 RT'										330		330							330			1020
PB-9	182	101+75 37' RT													1									
C-21A	182	101+75 37' RT TO 100+00 67' RT										185		185							185			585
		1012+73 37' LT. TO 1014+50 70' LT.										177		177							177			561
C-21B	182	1014+50 70' LT. TO 1014+67 70' LT.										27		27							27			111
PB-9A	182	1014+55 61' LT														1								
C-21C	182	1014+55 61' LT. TO 1014+60 69' LT										10		10							10			60
PB-18	183	616+98 26' RT													1									
C-48A	183	616+98 26' RT TO 616+83 63' RT										26		26							26			108
CC-NB1	183	616+83 61' RT																	1	1		1		
C-48B	183	616+83 63' RT TO 616+93 70' RT										10		10							10			60
PB-19	183	617+02 71' RT														1								
C-48D	183	616+87 77' RT TO 617+01 70' RT										20		20							20			90
C-48C	183	616+82 63' RT TO 617+40 108' RT										33		33							33			129
C-42D	183/184	2015+55 130' RT TO 2019+48 45' RT										353		353							353			1089
PB-16B	184	2019+48 45' RT													1									
C-42C	184	800+36 39' RT TO 803+23 195' RT										290		290							290			900
PB-16A	184	803+23 195' RT														1								
C-42B	184	816+25 31' LT TO 816+07 36' LT										20		20							20			90
CC-NB2	184	816+06, 34' LT & 616+94, 70' RT																	1	1		1		
C-42A	184	816+04 36' LT TO 815+90 38' LT										15		15							15			75
CIRCUIT A																								
HA-1	181	207+21 91' RT						1					2					2					1	
C-1	181	207+21 91' RT TO 204+38 90' RT									290			280							280			
HA-2	181	204+38 90' RT						1					2					2					1	
C-2	181	204+38 90' RT TO 204+21 87' RT									25			15							15			
PB-1	181	204+21 87' RT													1									
C-3	181	204+21 87' RT TO 202+81 74' LT							585			185		185							185			
PB-2	181	202+81 74' LT			3										1									
C-4	181	202+81 74' LT TO 202+84 83' LT							60			10		10							10			
HA-3	181	202+84 83' LT						1					2					2					1	
C-5	181	202+84 83' LT TO 206+51 91' LT							750			240		240							240			
HA-4	181	206+51 91' LT						1					2					2					1	
C-6	181	206+51 91' LT TO 208+70 88' LT							690			220		220							220			
HA-5	181	208+70 88' LT						1					2					2					1	
C-6B	181	208+70 88' LT TO 208+69.4 107.2' LT							90			20		20							20			
PB-2A	181	208+69.4 107.2' LT													1									
C-7	181	208+69.4 107.2' LT TO 211+15 20' RT							630			200		200							200			
PB-3	181	211+15 20' RT													1									
C-8	181	211+15 20' RT TO 211+49 24' RT									40			30							30			
HA-6	181	211+49 24' RT						1					2					2					1	
C-9	181	202+77 24' RT TO 202+81 74' LT							345			105		105							105			
PB-4	181	202+77 24' RT													1									
C-10	181	202+77 24' RT TO 201+05 25' RT							555			175		175							175			
CIRCUIT B																								
HB-1	181	214+57 78' LT						1					2					2					1	
C-15	181	214+57 78' LT TO 217+02 89' LT							765			245		245							245			
HB-2	181	217+02 89' LT						1					2					2					1	
C-14	181	217+02 89' LT TO 219+14 71' LT							705			225		225							225			
PB-6A	181	219+14 92.8' LT													1									
C-13B	181	219+14 71' LT TO 219+14 92.8' LT							90			20		20							20			
HB-3	181	219+14 71' LT						1					2					2					1	
PB-6A	181	219+14 92.8' LT			3										1									
C-13	181	219+14 71' LT TO 220+13 88' LT							345			105		105							105			
PB-6	181	200+93 57' LT			3										1									
C-12	181	200+93 57' LT TO 201+05 25' RT							291			87		87							87			
C-16	181	200+93 57' LT TO 200+00 48' LT							339			103		103							103			
	181	105+00 48' LT TO 104+47 43' LT							219			63		63							63			
PB-7	181	104+47 43' LT			3										1									
C-17	181	104+47 43' LT TO 104+41 31' LT							75			15		15							15			
HB-4	181	104+41 31' LT						1					2					2					1	
C-18	181	104+47 43' LT TO 103+95 69' LT							222			64		64							64			
PB-8	181	103+95 69' LT													1									
C-19	181	103+95 69' LT TO 102+65 40' LT									165			155							155			
TOTALS CARRIED TO GENERAL SUMMARY					12			10	6756		520	3693	20	4163	13	4	20	3	3	4163	3	10	5253

WAR-IR 71 REST AREAS TP

LIGHTING SUBSUMMARY

DESIGN AGENCY
WOOLPERT

DESIGNER AAA
REVIEWER JTB 06/29/26
PROJECT ID 122893
SHEET P.178 TOTAL 205

MODEL: Subsummary 1 PAPERSIZE: 34x22 (in.) DATE: 10/28/2026 TIME: 2:05:02 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCEv02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_WoolpertLighting\Sheets\122893_LS001.dgn

REF NO.	SHEET NO.	STATION TO STATION	625 CONNECTION, FUSED PULL APART EACH	625 CONNECTION, UNFUSED PULL APART EACH	625 CONNECTION, UNFUSED PERMANENT EACH	625 LIGHT POLE, CONVENTIONAL, AS PER PLAN, AT20B40 EACH	625 LIGHT POLE FOUNDATION, 24" X 8' DEEP EACH	625 LIGHT TOWER FOUNDATION, MISC.:36" X 8' EACH	625 NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE FT	625 NO. 10 AWG POLE AND BRACKET CABLE FT	625 1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES FT	625 CONDUIT, 3", 725.051 FT	625 LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 480V EACH	625 LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN, 480V EACH	625 TRENCH FT	625 PULL BOX, 725.08, 18" EACH	625 GROUND ROD EACH	625 POWER SERVICE, AS PER PLAN EACH	625 CONTROL CENTER CABINET, COMPLETE EACH	625 UNDERGROUND WARNING/MARKING TAPE FT	625 ARC FLASH CALCULATIONS AND LABEL, CONTROL CENTER (CC-NB1, CC-NB2, CC-SB) EACH	625 LIGHT TOWER, MISC.:BB45 EACH
LB-1	181	102+65 35' LT	2	1		1	1			210			1				1						
C-21C	182	102+65 39' LT TO 101+63 62' LT									115				105						105		
LB-2	182	101+63 38' LT	2	1		1	1			210			1				1						
C-22	182	101+63 38' LT TO 100+37 62' LT									145				135						135		
LB-3	182	100+37 62' LT	2	1		1	1			210			1				1						
C-23	182	100+37 62' LT TO 100+00 80' LT									50				40						40		
C-23	182	1012+14 44' LT TO 1011+57 38' LT									65				55						55		
LB-4	182	1011+57 38' LT	2	1		1	1			210			1				1						
C-24	182	1011+57 38' LT TO 1010+71 36' LT									95				85						85		
PB-10	182	1010+71 36' LT															1						
C-25	182	1010+71 36' LT TO 1010+49 32' LT									25				15						15		
LB-5	182	1010+49 32' LT	2	1		1	1			210			1				1						
		CIRCUIT C																					
HC-1	183	608+89 23' RT						1						2			2						1
C-43	183	608+89 23' RT TO 606+82 91' RT							495			155			155						155		
HC-2	183	606+82 91' RT						1						2			2						1
C-44	183	606+82 91' RT TO 604+96 91' LT							615			195			195						195		
HC-3	183	604+96 91' LT						1						2			2						1
C-45	183	604+96 91' LT TO 602+10 37' LT							675			215			215						215		
HC-4	183	602+10 37' LT						1						2			2						1
C-46	183	602+10 37' LT TO 601+98 33' LT							108			26			26						26		
PB-17	183	601+98 33' LT														1							
C-47	183	601+98 33' LT TO 616+98 26' RT							534			168			168						168		
C-28	184	2021+33 23' RT TO 2021+53 13' RT									30				20						20		
C-27	184	2021+53 13' RT TO 2024+07 33' RT									230				220						220		
PB-11	184	2021+24 17' LT			3											1							
C-29	184	2021+24 17' LT TO 2021+79 21' RT							225			65			65						65		
PB-12	184	2021+79 21' RT														1							
		CIRCUIT D																					
HD-1	184	801+76 32' LT						1						2			2						1
C-32	184	801+76 32' LT TO 803+84 27' RT									90				80						80		
HD-4	184	803+84 27' RT						1						2			2						1
C-36	184	803+84 27' RT TO 807+86 27' RT							1125			365			365						365		
PB-13	184	807+78 30' RT			3											1							
C-33	184	807+78 30' RT TO 807+86 26' RT									455				445						445		
HD-2	184	806+54 28' LT						1						2			2						1
C-35	184	806+54 28' LT TO 807+86 27' RT							465			145			145						145		
HD-3	184	807+86 27' RT						1						2			2						1
C-37	184	807+86 27' RT TO 811+03 24' RT							480			150			150						150		
HD-5	184	811+03 24' RT						1						2			2						1
C-38	184	811+03 24' RT TO 811+48 88' LT							405			125			125						125		
PB-15	184	811+48 88' LT														1							
C-39	184	811+48 88' LT TO 813+30 87' LT									190				180						180		
HD-6	184	813+30 87' LT						1						2			2						1
C-40	184	813+30 87' LT TO 815+98 104' LT									315				305						305		
PB-16	184	815+98 104' LT														1							
C-41	184	815+98 104' LT TO 815+89 38' LT									75				65						65		
HD-7	184	815+89 38' LT						1						2			2						1
TOTALS CARRIED TO GENERAL SUMMARY			10	5	6	5	5	11	5127	1050	1880	1609	5	22	3359	6	28			3359		11

LIGHTING SUBSUMMARY

WAR-IR 71 REST AREAS TP

MODEL: Subsummary 2 PAPERSIZE: 34x22 (in.) DATE: 10/27/2026 TIME: 10:01:51 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCEv02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_Woolpert\Lighting\Sheets\122893_LS001.dgn
Josh.Kinnear@woolpert.com

DESIGN AGENCY
WOOLPERT

DESIGNER AAA
REVIEWER JTB 06/29/26
PROJECT ID 122893
SHEET P.179 TOTAL 205

REF NO.	SHEET NO.	STATION TO STATION	625 CONNECTION, UNFUSED PERMANENT	625 NO. 4 AWG 600 VOLT DISTRIBUTION CABLE	625 NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	625 NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	625 CONDUIT, 3", 725.051	625 1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES	625 CONDUIT, JACKED OR DRILLED, 725.04, 3"	625 TRENCH	625 PULL BOX, 725.08, 18"	625 PULL BOX REMOVED AND REPLACED	625 PULL BOX REMOVED	625 REMOVE AND REERECT EXISTING LIGHT POLE	625 UNDERGROUND WARNING/MARKING TAPE	625 LIGHT POLE REMOVED	625 NO. 10 AWG POLE AND BRACKET CABLE
			EACH	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	FT	EACH	FT
RR-1	182	1010+84 27' LT										1					
R-1	182	1009+48 18' LT											1				
R-2	182	1009+43 17' LT														1	
RR-2	183	2012+50 22' RT										1					
RR-3	183	2013+28 22' RT										1					
LC-6	184	2021+33 23' RT												1			210
		EXISTING CIRCUIT															
C-30	183	2012+47 28' LT TO 2012+54 24' RT			210				60								
PB-20	183	2012+54 24' RT	3								1						
C-31	183	2011+98 27' RT TO 2012+54 24' RT						70		60					60		
C-31A	183	2012+54 24' RT TO 2013+21 24' RT						65		60					60		
PB-21	183	2013+21 24' RT									1						
C-31B	183	2013+21 24' RT TO 2014+45 36' RT						125		115					115		
TOTALS CARRIED TO GENERAL SUMMARY			3		210			260	60	235	2	3	1	1	235	1	210

LIGHTING SUBSUMMARY

WAR-IR 71 REST AREAS TP

MODEL: Sumsummary 3 PAPERSIZE: 34x22 (in.) DATE: 10/27/2026 TIME: 10:01:52 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCEv02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_WoolpertLighting\Sheets\122893_LS001.dgn

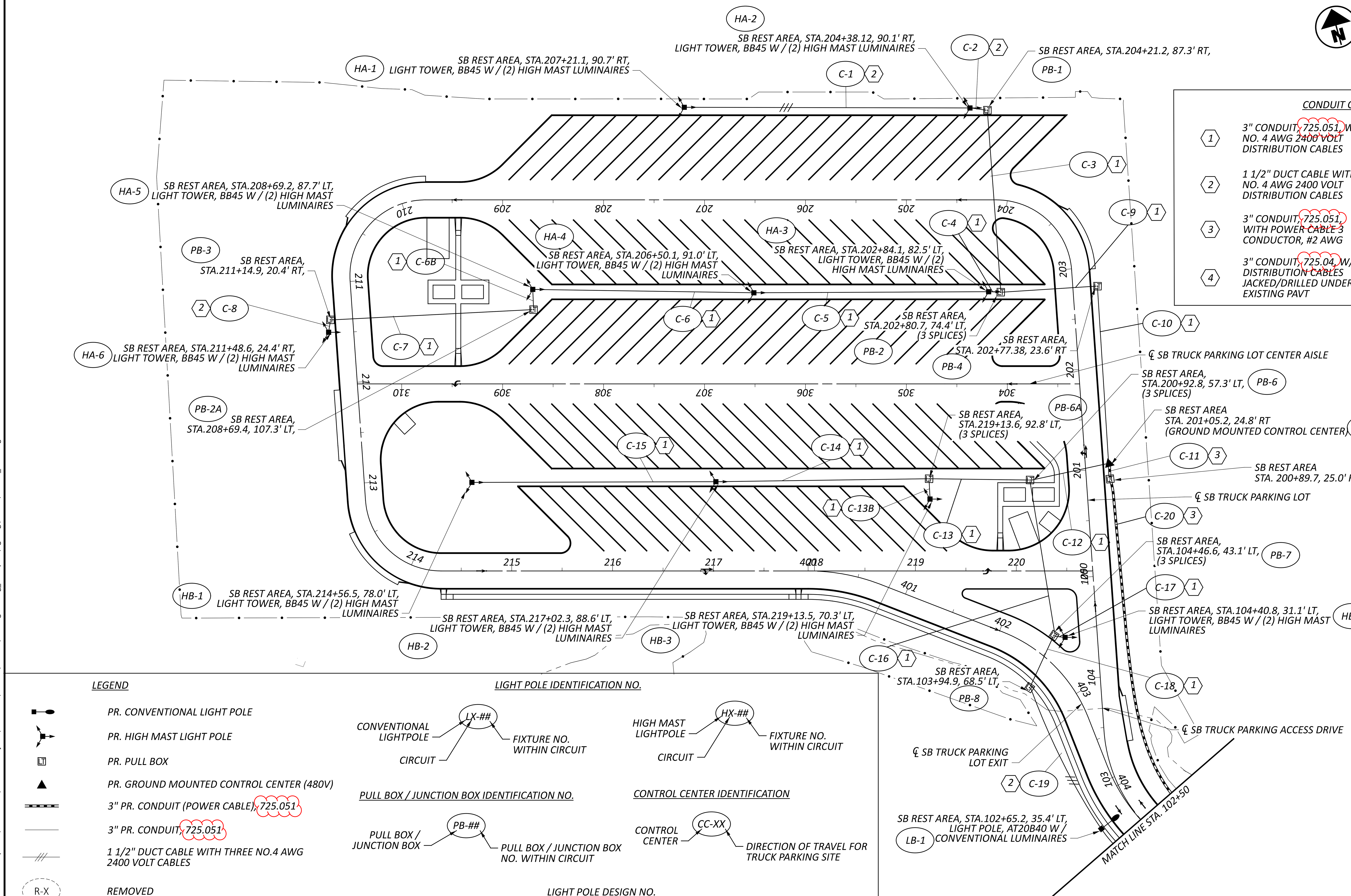
DESIGN AGENCY
WOOLPERT

DESIGNER
AAA

REVIEWER
JTB 06/29/26

PROJECT ID
122893

SHEET P.180 TOTAL 205



HORIZONTAL SCALE IN FEET
0 25 50 100

<u>CONDUIT CODES</u>

1	3" CONDUIT, 725.051, W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
2	1 1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
3	3" CONDUIT, 725.051, WITH POWER CABLE 3 CONDUCTOR, #2 AWG
4	3" CONDUIT, 725.04, W/ DISTRIBUTION CABLES JACKED/DRILLED UNDER EXISTING PAVT

<u>LEGEND</u>

PR. CONVENTIONAL LIGHT POLE
PR. HIGH MAST LIGHT POLE
PR. PULL BOX
PR. GROUND MOUNTED CONTROL CENTER (480V)
3" PR. CONDUIT (POWER CABLE), 725.051
3" PR. CONDUIT, 725.051
1 1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES
R-X REMOVED
RR-X REMOVED AND REPLACED
RC-X RECONSTRUCTED TO GRADE

<u>LIGHT POLE IDENTIFICATION NO.</u>

CONVENTIONAL LIGHTPOLE — LX-## — FIXTURE NO. WITHIN CIRCUIT; CIRCUIT

HIGH MAST LIGHTPOLE — HX-## — FIXTURE NO. WITHIN CIRCUIT; CIRCUIT

<u>PULL BOX / JUNCTION BOX IDENTIFICATION NO.</u>

PULL BOX / JUNCTION BOX — PB-## — PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT

<u>CONTROL CENTER IDENTIFICATION</u>

CONTROL CENTER — CC-XX — DIRECTION OF TRAVEL FOR TRUCK PARKING SITE

<u>LIGHT POLE DESIGN NO.</u>

AT20B40: ARM LENGTH; SUPPORT HEIGHT; ALUMINUM TRANSFORMER BASE; SINGLE ARM

BB45: SUPPORT HEIGHT; NUMBER OF LUMINAIRES (2)

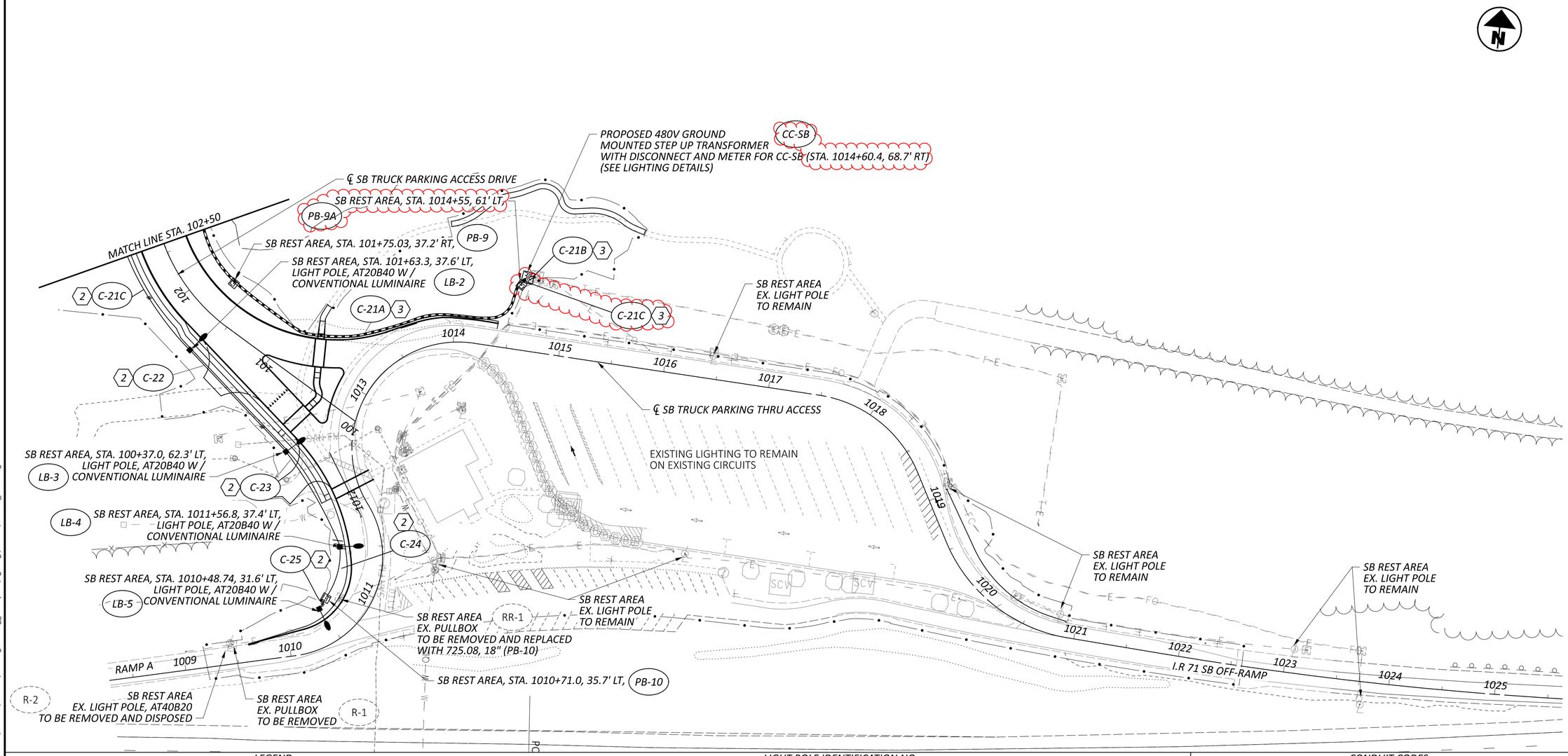
LIGHTING PLAN
I.R. 71 SB REST AREA TP

WAR-IR 71 REST AREAS TP

MODEL: 122893_TP111 PAPERSIZE: 34x22 (in.) DATE: 10/27/2026 TIME: 10:02:01 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCEv02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_Woolpert\Lighting\Sheets\122893_LP111.dgn

DESIGN AGENCY: WOOLPERT
DESIGNER: AAA
REVIEWER: JTB 06/29/26
PROJECT ID: 122893
SHEET: P.181 TOTAL: 205

MODEL: 122893_TP112 PAPERSIZE: 34x22 (in.) DATE: 10/28/2026 TIME: 2:05:10 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCtv02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\01-Engineering_ Woolpert\Lighting\Sheets\122893_LP112.dgn



HORIZONTAL SCALE IN FEET
0 25 50 100

LIGHTING PLAN
I.R. 71 SB REST AREA TP

LEGEND

- PR. CONVENTIONAL LIGHT POLE
- PR. HIGH MAST LIGHT POLE
- PR. PULL BOX
- PR. GROUND MOUNTED CONTROL CENTER (480V)
- 3" PR. CONDUIT (POWER CABLE), 725.051
- 3" PR. CONDUIT, 725.051
- 1 1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES
- R-X — REMOVED
- RR-X — REMOVED AND REPLACED
- RC-X — RECONSTRUCTED TO GRADE

LIGHT POLE IDENTIFICATION NO.

CONVENTIONAL LIGHTPOLE — LX-## — FIXTURE NO. WITHIN CIRCUIT; CIRCUIT

HIGH MAST LIGHTPOLE — HX-## — FIXTURE NO. WITHIN CIRCUIT; CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PULL BOX / JUNCTION BOX — PB-## — PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT

CONTROL CENTER IDENTIFICATION

CONTROL CENTER — CC-XX — DIRECTION OF TRAVEL FOR TRUCK PARKING SITE

LIGHT POLE DESIGN NO.

ARM LENGTH — AT20B40 — SUPPORT HEIGHT; ALUMINUM TRANSFORMER BASE; SINGLE ARM

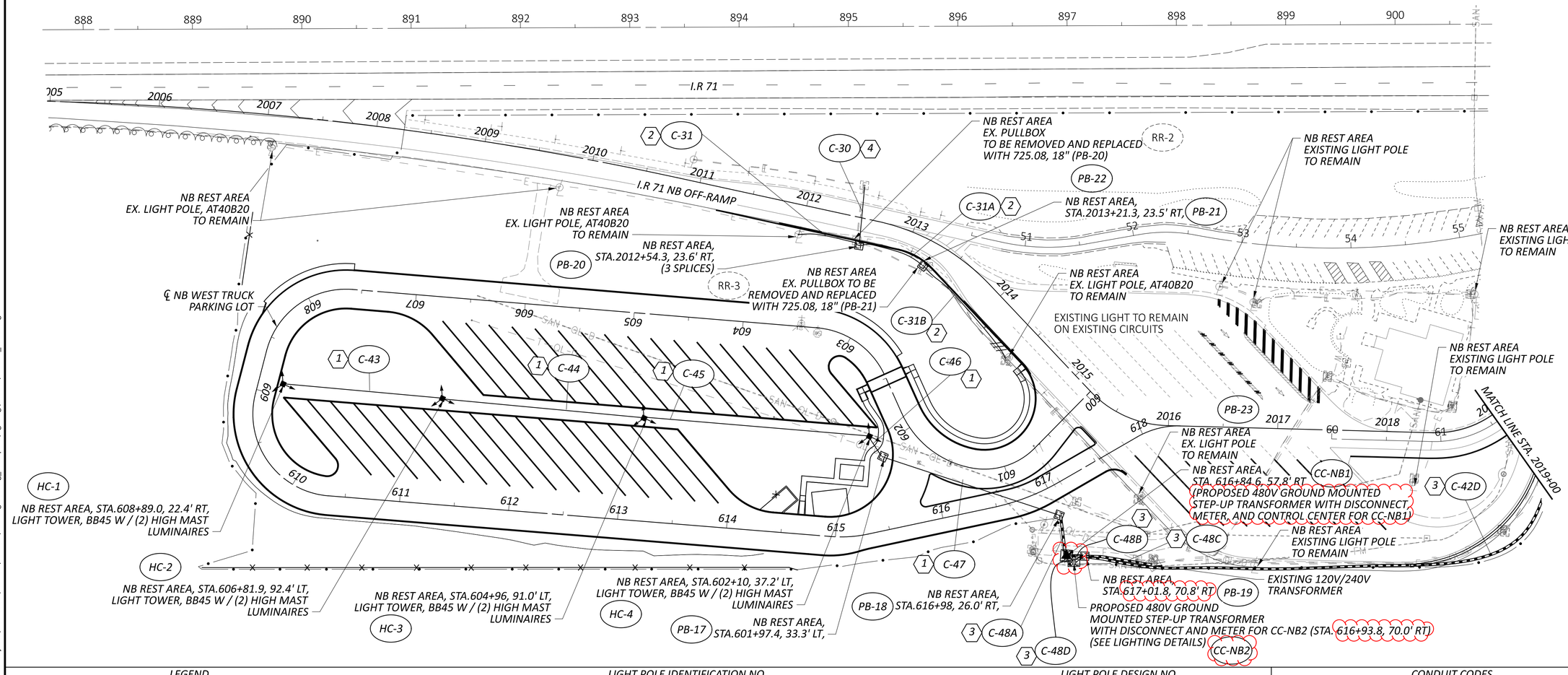
SUPPORT HEIGHT — BB45 — NUMBER OF LUMINAIRES (2)

CONDUIT CODES

1. 3" CONDUIT, 725.051, W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
2. 1 1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
3. 3" CONDUIT, 725.051, WITH POWER CABLE 3 CONDUCTOR, #2 AWG
4. 3" CONDUIT, 725.04, W/ DISTRIBUTION CABLES JACKED/DRILLED UNDER EXISTING PAVT

DESIGN AGENCY
WOOLPERT

DESIGNER AAA
REVIEWER JTB 06/29/26
PROJECT ID 122893
SHEET P.182 TOTAL 205



LIGHTING PLAN
I.R. 71 NB REST AREA TP

WAR-IR 71 REST AREAS TP

MODEL: 122893_TP152 PAPERSIZE: 34x22 (in.) DATE: 10/28/2026 TIME: 2:05:23 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCtv02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_Woolpert\Lighting\Sheets\122893_LP152.dgn

LEGEND

- PR. CONVENTIONAL LIGHT POLE
- PR. HIGH MAST LIGHT POLE
- PR. PULL BOX
- PR. GROUND MOUNTED CONTROL CENTER (480V)
- 3" PR. CONDUIT (POWER CABLE), 725.051
- 3" PR. CONDUIT, 725.051
- 1 1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES
- R-# REMOVED
- RR-# REMOVED AND REPLACED
- CCTV
- E CCTV CONDUIT
- RC-# RECONSTRUCTED TO GRADE

LIGHT POLE IDENTIFICATION NO.

CONVENTIONAL LIGHTPOLE — LX-## — FIXTURE NO. WITHIN CIRCUIT; CIRCUIT

HIGH MAST LIGHTPOLE — HX-## — FIXTURE NO. WITHIN CIRCUIT; CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PULL BOX / JUNCTION BOX — PB-## — PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT

CONTROL CENTER IDENTIFICATION

CONTROL CENTER — CC-XX — DIRECTION OF TRAVEL FOR TRUCK PARKING SITE

LIGHT POLE DESIGN NO.

ARM LENGTH — AT20B40 — SUPPORT HEIGHT; ALUMINUM TRANSFORMER BASE; SINGLE ARM

BB45 — SUPPORT HEIGHT; NUMBER OF LUMINAIRES (2)

CONDUIT CODES

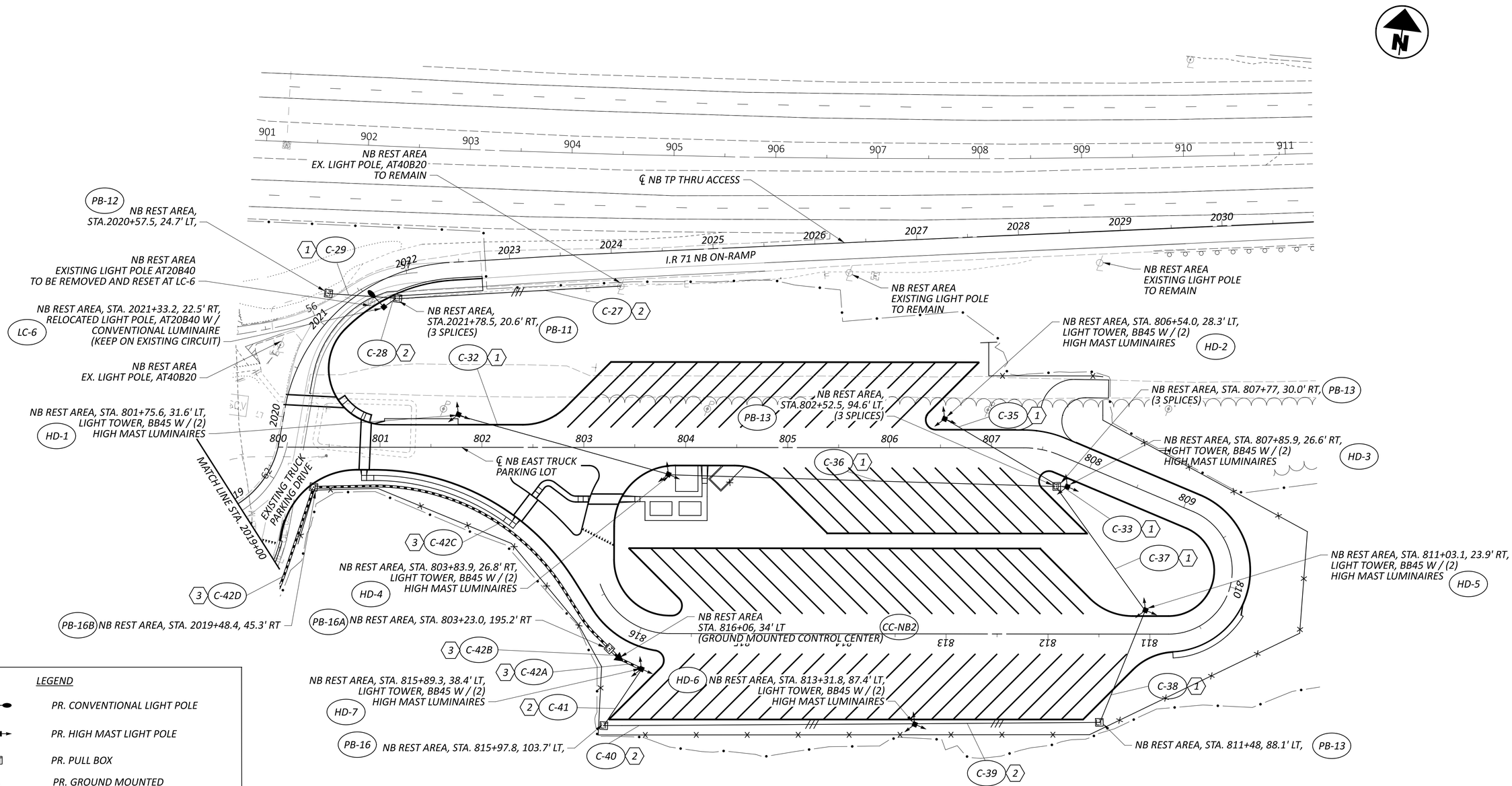
1. 3" CONDUIT, 725.051, W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
2. 1 1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
3. 3" CONDUIT, 725.051, WITH POWER CABLE 3 CONDUCTOR, #2 AWG
4. 3" CONDUIT, 725.04, W/ DISTRIBUTION CABLES JACKED/DRILLED UNDER EXISTING PAVT

DESIGN AGENCY
WOOLPERT

DESIGNER AAA
REVIEWER JTB 06/29/26
PROJECT ID 122893
SHEET P.183 TOTAL 205

MODEL: 122893_TP151 PAPERSIZE: 34x22 (in.) DATE: 10/28/2026 TIME: 3:34:30 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCtx02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_Woolpert\Lighting\Sheets\122893_LP151.dgn

WAR-IR 71 REST AREAS TP



LEGEND

- PR. CONVENTIONAL LIGHT POLE
- PR. HIGH MAST LIGHT POLE
- PR. PULL BOX
- PR. GROUND MOUNTED CONTROL CENTER (480V)
- 3" PR. CONDUIT (POWER CABLE), 725.051
- 3" PR. CONDUIT, 725.051
- 1 1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES
- R-X REMOVED
- RR-X REMOVED AND REPLACED
- RC-X RECONSTRUCTED TO GRADE

LIGHT POLE IDENTIFICATION NO.

CONVENTIONAL LIGHTPOLE — CIRCUIT — LX-## — FIXTURE NO. WITHIN CIRCUIT

HIGH MAST LIGHTPOLE — CIRCUIT — HX-## — FIXTURE NO. WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PULL BOX / JUNCTION BOX — PB-## — PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT

CONTROL CENTER IDENTIFICATION

CONTROL CENTER — CC-XX — DIRECTION OF TRAVEL FOR TRUCK PARKING SITE

LIGHT POLE DESIGN NO.

ARM LENGTH — AT20B40 — SUPPORT HEIGHT
ALUMINUM TRANSFORMER BASE — SINGLE ARM

BB45 — NUMBER OF LUMINAIRES (2) — SUPPORT HEIGHT

CONDUIT CODES

1. 3" CONDUIT, 725.051, W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
2. 1 1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
3. 3" CONDUIT, 725.051, WITH POWER CABLE 3 CONDUCTOR, #2 AWG
4. 3" CONDUIT, 725.04, W/ DISTRIBUTION CABLES JACKED/DRILLED UNDER EXISTING PAVT

HORIZONTAL SCALE IN FEET
0 25 50 100

LIGHTING PLAN
I.R. 71 NB REST AREA TP

DESIGN AGENCY
WOOLPERT

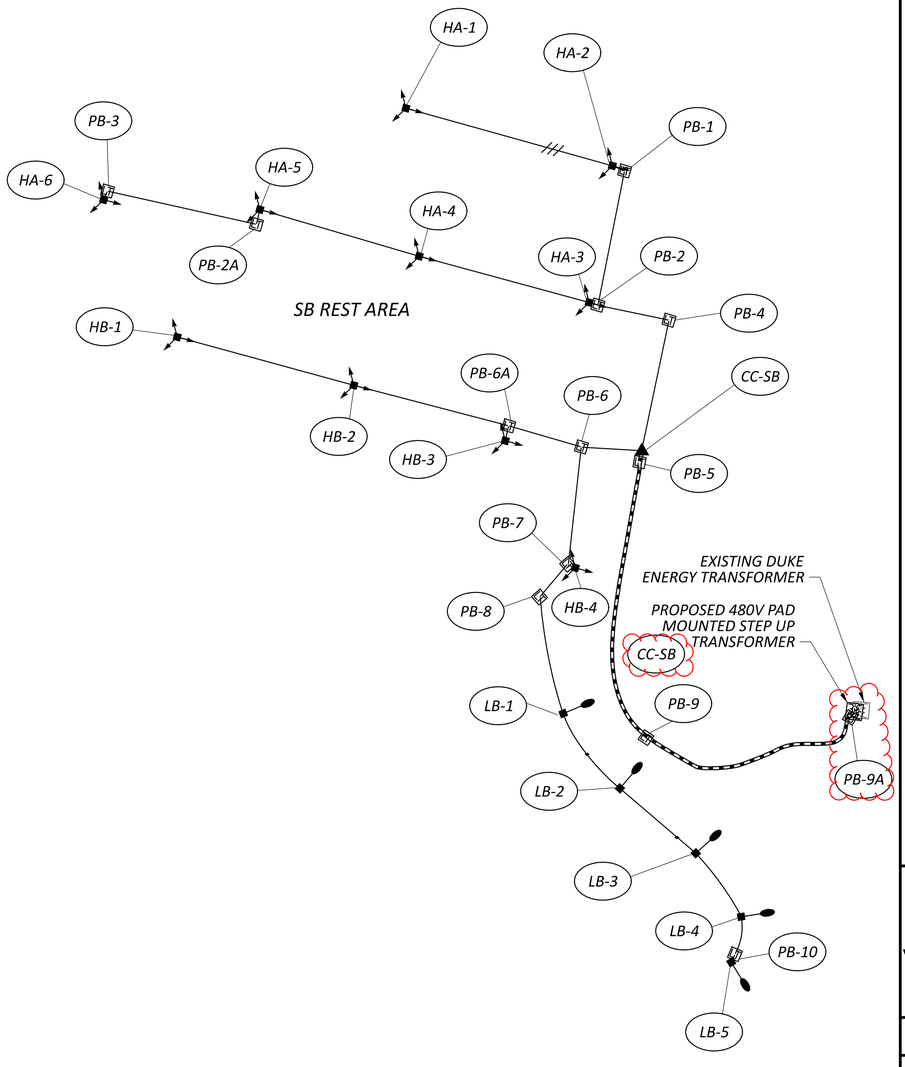
DESIGNER	AAA
REVIEWER	JTB 06/29/26
PROJECT ID	122893
SHEET	P.184
TOTAL	205

VOLTAGE DROP CALCULATIONS
VOLTAGE: 480 V, SINGLE-PHASE, 3-WIRE (240/480 V)
WIRE FACTOR USED (TWO - NO.4 AWG WIRES: 0.62 OHMS/MFT/1000)

Section			Amperes				Voltage Drop			
From	To	Design Feet	At Point	Accum.	Ampere-Feet	AWG	In Section	Accum.	% Drop	At Point
Transformer	CC-SB	814	25.78	25.78	20984.92	2	7.974	7.974	1.661	PB-4
CC-SB	PB-4	171	10.725	10.725	1833.975	4	1.137	1.137	0.237	PB-4
PB-4	HA-2	199	1.7875	3.575	711.425	4	0.441	1.578	0.329	HA-2
HA-2	HA-1	293	1.7875	1.7875	523.7375	4	0.325	1.903	0.396	HA-1
PB-4	PB-2	100	0	7.15	715	4	0.443	2.346	0.489	PB-2
PB-2	HA-3	9	1.7875	7.15	64.35	4	0.040	2.386	0.497	HA-3
HA-3	HA-4	231	1.7875	5.3625	1238.7375	4	0.768	3.154	0.657	HA-4
HA-4	HA-5	219	1.7875	3.575	782.925	4	0.485	3.639	0.758	HA-5
HA-5	HA-6	234	1.7875	1.7875	418.275	4	0.259	3.899	0.812	HA-6
CC-SB	PB-6A	192	7.99375	7.99375	1534.8	4	0.952	0.952	0.198	PB-6
PB-6A	HB-3	20	1.7875	5.3625	107.25	4	0.066	1.018	0.212	HB-3
HB-3	HB-2	212	1.7875	3.575	757.9	4	0.470	1.488	0.310	HB-2
HB-2	HB-1	246	1.7875	1.7875	439.725	4	0.273	1.761	0.367	HB-1
PB-6	PB-7	157	0	2.63125	413.10625	4	0.256	1.208	0.252	PB-7
PB-7	HB-4	11	1.7875	1.7875	19.6625	4	0.012	1.220	0.254	HB-4
CC-SB	PB-6	80	7.99375	7.99375	639.5	4	0.396	0.396	0.083	PB-6
PB-6	PB-7	160	0	2.63125	421	4	0.261	0.658	0.137	PB-7
PB-7	PB-8	57	0	0.84375	48.09375	4	0.030	0.687	0.143	PB-8
PB-8	LB-1	157	0.16875	0.84375	132.46875	4	0.082	0.769	0.160	LB-1
LB-1	LB-2	126	0.16875	0.675	85.05	4	0.053	0.822	0.171	LB-2
LB-2	LB-3	132	0.16875	0.50625	66.825	4	0.041	0.864	0.180	LB-3
LB-3	LB-4	102	0.16875	0.3375	34.425	4	0.021	0.885	0.184	LB-4
LB-4	LB-5	70	0.16875	0.16875	11.8125	4	0.007	0.892	0.186	LB-5

CONTROL CENTER DATA

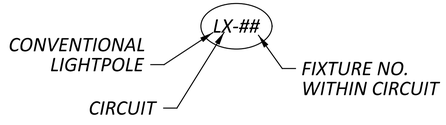
CONTROL CENTER DESIGNATION	LINE VOLTS	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CONDUCTOR SIZE - AWG	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD AMPS	CIRCUIT FUZE SIZE AMPS	CIRCUIT CABLE SIZE AWG	MAINTAINING AGENCY
CC-SB	480	12.4	2	60	C	14.96	30	4	ODOT
					D	10.82	30	4	

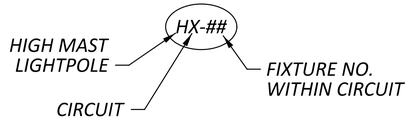


LEGEND

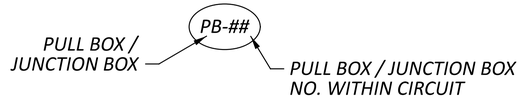
- PR. CONVENTIONAL LIGHT POLE
- PR. HIGH MAST LIGHT POLE
- PR. PULL BOX
- PR. CONTROL CENTER
- PR. CONDUIT (POWER CABLE)
- PR. CONDUIT
- 1 1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES

LIGHT POLE IDENTIFICATION NO.





PULL BOX / JUNCTION BOX IDENTIFICATION NO.



I.R 71 SB REST AREA TP LIGHTING CIRCUIT DIAGRAM

WAR-IR 71 REST AREAS TP

DESIGN AGENCY
WOOLPERT

DESIGNER AAA
REVIEWER JTB 06/29/26
PROJECT ID 122893
SHEET P.185 TOTAL 205

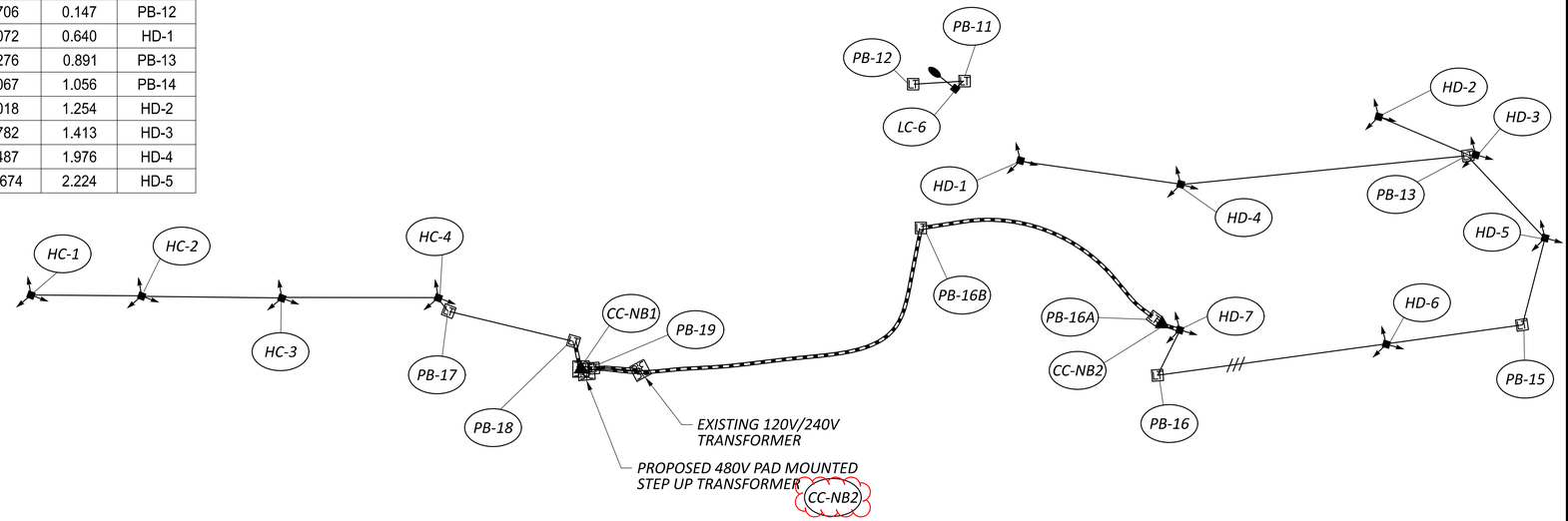
MODEL: SB Circuit Diagram PAPERSIZE: 34x22 (in.) DATE: 10/28/2026 TIME: 2:05:43 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCEv02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_Woolpert\Lighting\Sheets\122893_LC200.dgn

VOLTAGE DROP CALCULATIONS
VOLTAGE: 480 V, SINGLE-PHASE, 3-WIRE (240/480 V)
WIRE FACTOR USED (TWO - NO.4 AWG WIRES: 0.62 OHMS/MFT/1000)

Section			Amperes				Voltage Drop			
From	To	Design Feet	At Point	Accum.	Ampere-Feet	AWG	In Section	Accum.	% Drop	At Point
Transformer	CC-NB1	50	10.16	10.16	508.00	2	0.193	0.193	0.040	CC-NB1
CC-NB1	PB-18	40	7.15	7.15	286.00	4	0.177	0.177	0.037	PB-18
PB-18	PB-17	161	0	7.15	1151.15	4	0.714	0.891	0.186	PB-17
PB-17	HC-4	20	1.7875	7.15	143.00	4	0.089	0.980	0.204	HC-4
HC-4	HC-3	205	1.7875	5.3625	1099.31	4	0.682	1.661	0.346	HC-3
HC-3	HC-2	188	1.7875	3.575	672.10	4	0.417	2.078	0.433	HC-2
HC-2	HC-1	146	1.7875	1.7875	260.98	4	0.162	2.240	0.467	HC-1
Transformer	CC-NB2	900	12.51	12.51	11259.00	2	4.278	4.278	0.891	CC-NB2
CC-NB2	HD-7	25	12.5125	12.5125	312.81	4	0.194	0.194	0.040	PB-11
HD-7	PB-16	66	0	12.5125	825.83	4	0.512	0.706	0.147	PB-12
PB-16	HD-6	305	1.7875	12.5125	3816.31	4	2.366	3.072	0.640	HD-1
HD-6	PB-15	181	0	10.725	1941.23	4	1.204	4.276	0.891	PB-13
PB-15	HD-5	119	0	10.725	1276.28	4	0.791	5.067	1.056	PB-14
HD-5	HD-3	143	1.7875	10.725	1533.68	4	0.951	6.018	1.254	HD-2
HD-3	HD-2	138	1.7875	8.9375	1233.38	4	0.765	6.782	1.413	HD-3
HD-2	HD-1	610	1.7875	7.15	4361.50	4	2.704	9.487	1.976	HD-4
HD-3	HD-4	357	1.7875	5.3625	1914.41	4	1.187	10.674	2.224	HD-5

CONTROL CENTER DATA

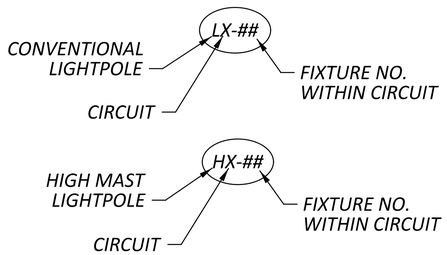
CONTROL CENTER DESIGNATION	LINE VOLTS	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CONDUCTOR SIZE - AWG	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD AMPS	CIRCUIT FUZE SIZE AMPS	CIRCUIT CABLE SIZE AWG	MAINTAINING AGENCY
CCNB1	480	4.88	2	60	A	10.16	30	4	ODOT
CCNB2	480	6	2	60	D	12.51	30	4	ODOT



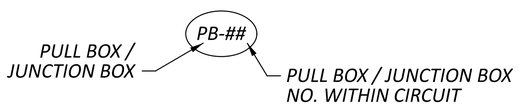
LEGEND

- PR. CONVENTIONAL LIGHT POLE
- PR. HIGH MAST LIGHT POLE
- PR. PULL BOX
- PR. CONTROL CENTER
- PR. CONDUIT (POWER CABLE)
- PR. CONDUIT
- 1 1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES

LIGHT POLE IDENTIFICATION NO.



PULL BOX / JUNCTION BOX IDENTIFICATION NO.



I.R 71 NB REST AREA TP LIGHTING CIRCUIT DIAGRAM

DESIGN AGENCY
WOOLPERT

DESIGNER AAA
REVIEWER JTB 06/29/26
PROJECT ID 122893
SHEET P.186 TOTAL 205

WAR-IR 71 REST AREAS TP

MODEL: NB Circuit Plan PAPERSIZE: 34x22 (in.) DATE: 10/28/2026 TIME: 2:05:53 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCEv02 WORKSET: I22893 PRODUCT: OpenRoadsDesigner 24.00.02.25
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_WoolpertLighting\Sheets\122893_LC210.dgn

WORK BY UTILITY:

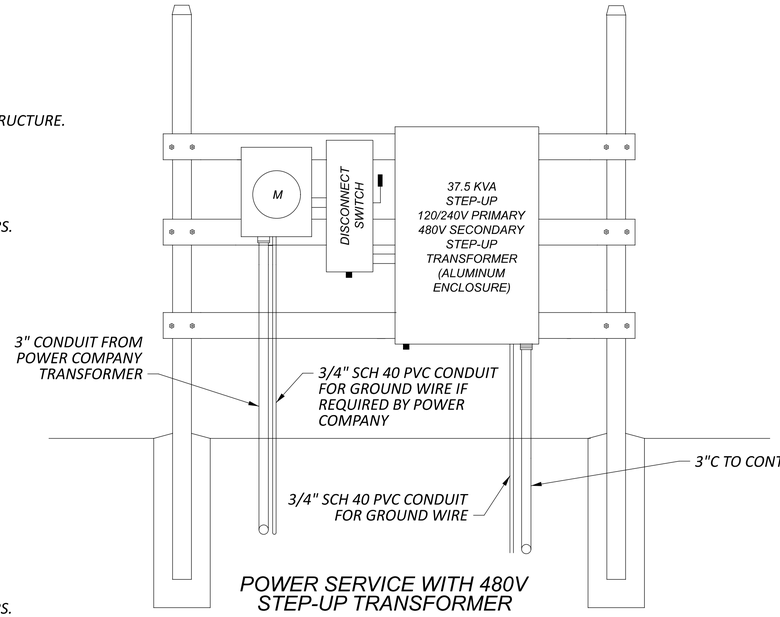
1. TERMINATION OF CONTRACTOR SUPPLIED SERVICE ENTRANCE CABLE INTO UTILITY TRANSFORMER BY UTILITY.
2. EXISTING TRANSFORMER BY DUKE ENERGY.

WORK BY CONTRACTOR:

1. INSTALL 90° 24" RADIUS PVC BEND, SCHEDULE 40 FOR CONDUIT AT BASE OF CONTROL CENTER OR POWER SERVICE STRUCTURE.
2. WARNING TAPE 12" ABOVE ALL UNDERGROUND CONDUCTORS.
3. CONTRACTOR SHALL INSTALL EQUIPMENT STAND (STRUCTURE) AND FOUNDATION SUITABLE FOR THE EQUIPMENT LOAD, PER APPLICABLE PORTION OF DETAIL HL-40.20, AND AS DIRECTED BY THE ENGINEER.
4. UTILITY METER. CONTRACTOR TO SUPPLY MANUAL BYPASS SOCKET.
5. NEMA 4X CIRCUIT BREAKER ENCLOSURE WITH TWO 2-POLE, 60 AMP., 600V UL LISTED BOLT-ON TYPE CIRCUIT BREAKERS. ENCLOSURE SHALL BE SERVICE ENTRANCE RATED. PROVIDE ONE PADLOCK FOR EACH ENCLOSURE. PADLOCK SHALL BE KEYED IN ACCORDANCE WITH SPECIAL PROVISIONS.
6. CONCRETE PULL BOX, 24" WILL BE INSTALLED WITHIN 10 FT OF ELECTRICAL SERVICE.
7. 5/8" x 10' COPPER CLAD GROUNDING ROD ELECTRODE. TOP OF GROUND ROD INSTALLED 30" BELOW GRADE AND AT LEAST 1' OFF EDGE OF POLE OR EQUIPMENT FOUNDATION.
8. 3" SCHEDULE 40 PVC CONDUIT ATTACHED TO EQUIPMENT STAND OR POLE.
9. SERVICE ENTRANCE CABLE IN CONDUIT BY CONTRACTOR. ALL SERVICE ENTRANCE CABLE SHALL BE #2-USE-600V.
10. THREADED HUB TYPE CONDUIT COUPLING BETWEEN ENCLOSURES SIZED TO ACCOMMODATE CONDUCTORS.
11. 1" SCHEDULE 80 PVC CONDUIT FOR GROUND.
12. 12 AWG XHHW GROUNDING ELECTRODE CONDUCTOR IN CONDUIT TO DISCONNECT SWITCH NEUTRAL BUS.
13. GROUNDING ELECTRODE CONDUCTOR ATTACHED TO GROUNDING ELECTRODE AT LEAST 24" BELOW GRADE WITH GROUND CLAMPS SUITABLE FOR DIRECT BURIAL. FROM THE DISCONNECT SWITCH NEUTRAL BUS, THE GROUNDING ELECTRODE CONDUCTOR MUST ALWAYS BE DIRECTED DOWNWARD OR HORIZONTAL.
14. SCHEDULE 40 PVC CONDUIT IN TRENCH. CONDUIT SHALL BE 3" MIN. TERMINATE THIS CONDUIT IN HANDHOLE. CONDUIT INSTALLED A MINIMUM OF 24" BELOW GRADE. SEE PLAN FOR CONDUCTORS.
15. CONDUIT AND CABLE PER PLAN BY CONTRACTOR. NO SPLICES PERMITTED IN PULLBOX.
16. 3" PVC SCHEDULE 40 CONDUIT INSTALLED A MINIMUM OF 24" BELOW GRADE. CONDUIT RUN IS CONTINUOUS BETWEEN EQUIPMENT STAND AND UTILITY TRANSFORMER OR AS INDICATED ON PLAN SHEETS. SEE PLAN CONDUCTORS.
17. STEP UP TRANSFORMER 37.5 KVA, ONE PHASE, 120/240V PRIMARY, 480V SECONDARY, 3 WIRE, UL LISTED WITH NEMA 4X ENCLOSURE.
18. NEMA 4X CIRCUIT BREAKER ENCLOSURE WITH TWO POLE, 125 AMP, 600V UL LISTED DISCONNECT SWITCH. ENCLOSURE SHALL BE SERVICE ENTRANCE RATED. PROVIDE 1 PADLOCK FOR EACH ENCLOSURE. PADLOCK SHALL BE KEYED IN ACCORDANCE WITH SPECIAL PROVISIONS.
19. 3" DIA. GALVANIZED STEEL CONDUIT.

NOTES:

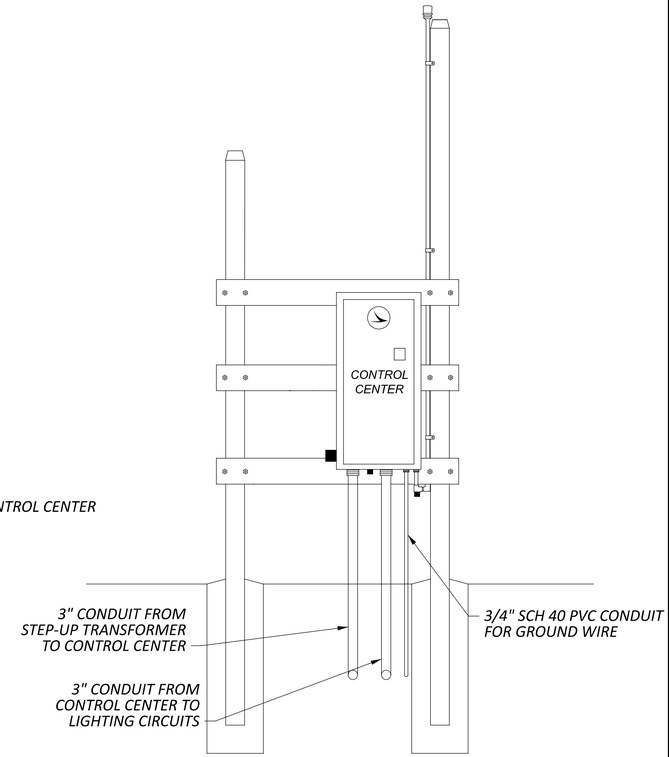
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING OF ALL UTILITY RELATED WORK AND INSPECTIONS AS NECESSITATED BY THE PROJECT. CONTRACTOR MUST DETERMINE THE COST OF LOCAL INSPECTIONS BY CITIES. CONTRACTOR IS RESPONSIBLE FOR THE COSTS.
2. ALL WORK AND MATERIALS SHOWN ON ELECTRICAL SERVICE DETAILS IS INCIDENTAL TO POWER SERVICE PAY ITEMS.
3. UTILITY CONDUIT SYSTEMS SHALL BE INSTALLED PER NEC AND LOCAL REQUIREMENTS.
4. ALL PROPOSED SERVICE TYPES AND LOCATIONS ARE SUBJECT TO APPROVAL FROM UTILITY. CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL EQUIPMENT ACCORDING TO ENGINEER'S APPROVAL.



POWER SERVICE WITH 480V STEP-UP TRANSFORMER

FOR MORE DETAILS , SEE STANDARD CONSTRUCTION DRAWING HL-40.20

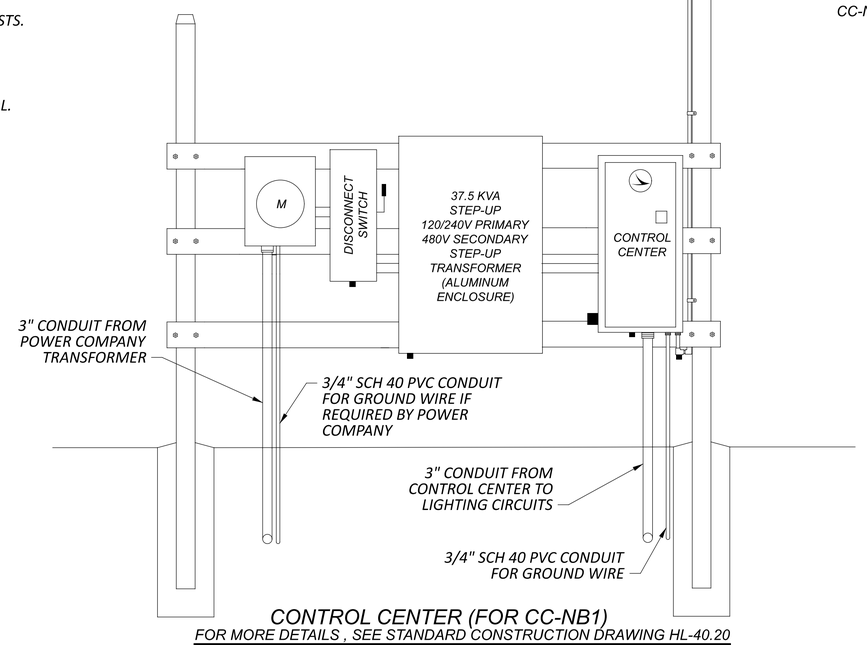
POWER SERVICE AT- STA 1014+60.4, 68.7' LT (FOR CC-SB)
POWER SERVICE AT- STA 616+93.8, 70.0' RT (FOR CC-NB2)



CONTROL CENTER (FOR CC-SB, CC-NB2)

FOR MORE DETAILS , SEE STANDARD CONSTRUCTION DRAWING HL-40.20

CONTROL CENTER LOCATIONS
CC-SB - STA 201+05.2, 24.8' RT
CC-NB2 - STA 816+06, 34' LT



CONTROL CENTER (FOR CC-NB1)

FOR MORE DETAILS , SEE STANDARD CONSTRUCTION DRAWING HL-40.20

CONTROL CENTER LOCATION
CC-NB1 - STA 616+84.6, 57.8' RT

POWER SERVICE DETAIL
I.R. 71 NB AND SB REST AREA TP

DESIGN AGENCY: WOOLPERT
DESIGNER: AAA
REVIEWER: JTB 06/29/26
PROJECT ID: 122893
SHEET: P.191 TOTAL: 205

WAR-IR 71 REST AREA TP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/28/2026 TIME: 2:06:04 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Josh.Kinnear@woolpert.com
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_Woolpert\Lighting\Sheets\122893_LD001.dgn

SPECIAL PROVISIONS

Environmental Commitments

C-R-S: WAR-IR 71 Rest Areas TP

PID: 122893

DATE: 10/19/2026

Notice: this project has been developed under the federal national environmental policy act. The following requirements on the work are mandated to be carried out by the contractor in order to remain compliant with applicable laws. Failure of the contractor to adhere to the requirements listed will result in work stoppage, penalties, project delay, and fines.

Environmental Commitments

1. The project is located within the known habitat ranges of the federally endangered Indiana bat and northern long-eared bat, and the state endangered little brown and tricolored bats. No trees shall be removed under this project from April 1 through September 30. All necessary tree removal shall occur from October 1 through March 31. This requirement is necessary to avoid and minimize impacts to these species as required by the Endangered Species Act and ORC 1531.25. For the purposes of this note, a tree is defined as a live, dying, or dead woody plant, with a trunk three inches or greater in diameter at a height of 4.5 feet above the ground surface, and with a minimum height of 13 feet.
2. ODOT will acquire all necessary waterway permits prior to the start of construction. Conditions of these permits will be provided in the contract as Special Provisions. ODOT will provide the waterway permits to the Contractor at the pre-construction meeting. The Contractor is responsible for following all the Special Provisions of the waterway permits throughout the duration of the contract.

Project Inspection

1. Inspection of Work may include inspection by ODOT and representatives of other government agencies or railroad corporations that pay a portion of the cost of the Work or regulate the Work through State and Federal law. Comments from the representatives of these agencies shall be directed to the Engineer who will immediately contact the ODOT-District Environmental Coordinator.

Waterway Permits

1. Time Restrictions:

A Nationwide Permit #39 (Commercial and Institutional Developments) (NWP #39) is authorized for WAR-IR 71 Rest Areas TP, PID 122893. A copy of the NWP and authorization letter (LRH-2026-00558-LMR – UNT to Little Miami River) shall be kept at the work site at all times and made available to all contractors and subcontractors. The permit is effective starting: **October 19, 2026**. The permit expires: **March 15, 2031.**

For authorized work in aquatic resources (including streams, wetlands, jurisdictional ditches, captured streams, lakes, ponds), the Department will consider the Contractor's submission of a reauthorization to the waterway permit expiration date based on project constraints. If more than one permit is authorized for the project, then all permits become invalid once the first permit expires. In order for the request to be considered, the Contractor must submit a justification to the Engineer at least 90 days prior to the waterway permit expiration date. The Engineer will submit the request for a time extension to the Ohio Department of Transportation, Office of Environmental Services, Waterway Permits Unit (ODOT-OES-WPU) for consideration and coordination with the U.S. Army Corps of Engineers (USACE), Ohio Environmental Protection Agency (OEPA), U.S. Coast Guard (USCG), U.S. Fish and Wildlife Service (USFWS), and Ohio Department of Natural Resources (ODNR) as appropriate.

2. Deviations From Permitted Construction Activities:

Once authorization is received, no deviation from the requirements for work in aquatic resources depicted in the plans, Special Provisions, and/or Working Drawings may be made unless a modification has been submitted to ODOT-OES-WPU and approved by the appropriate agencies (i.e., USACE, OEPA, USCG, ODNR, and USFWS).

NOTE: Plan sheets submitted with the Pre-Construction Notification were approved by the USACE in accordance with NWP #39 and are included in these Special Provisions.

For emergency situations resulting in unanticipated impacts to aquatic resources, provide notification (verbal or written) to the Engineer as soon as possible following discovery of the situation. Written notification to the Engineer and notification to the ODOT-OES-WPU (614-466-2159) must be made within 24 hours.

For non-emergency situations, notify the Engineer in writing for submission to the ODOT-OES-WPU (614-466-2159) for consideration and coordination with the appropriate agencies. Notification must be made at least 90 days prior to planned, non-permitted activities. Consideration of the requested deviation is at the discretion of the Director and must be coordinated with the appropriate regulatory agencies.

3. In-Stream Work Restrictions:

Work in the following aquatic resources is further restricted as follows:

Stream Name/Description	Location	Work restriction dates (No in-stream work permitted)
Stream 1	SB TP Access Drive STA 103+40 to 104+25 SB TP Lot STA 216+90 to 217+90	None

*Restriction dates do not apply if the stream has been dewatered prior to April 15.

In-stream work has been defined as the placement and/or removal of fill materials (temporary or permanent) below ordinary high water of a stream. Examples of "fill" include, but are not limited to: bridge piers, abutments, culverts, rock channel protection, scour protection, and temporary access fills.

Fills placed within a stream identified in the above table (outside of the work restriction dates) can continue to be worked from during the work restriction dates, but cannot be expanded, removed, or otherwise modified (below ordinary high water) until once again outside of the work restriction dates.

4. Materials

Materials utilized in or adjacent to aquatic resources for temporary or permanent fill or bank protection shall consist of suitable material free from toxic contaminants in other than trace quantities. Asphalt products are specifically excluded for use as fill. Chromated Copper Arsenate (CCA), creosote, and other pressure treated lumber shall not be used in structures that are placed in aquatic resources.

5. Aquatic Resource Demarcation:

The attached Tables 3 and 4 include detailed fill quantities authorized within the aquatic resources. Aquatic resources not authorized for impact by these Special Provisions shall be demarcated in the field as per SS 832 prior to site disturbance. The fence shall remain in place