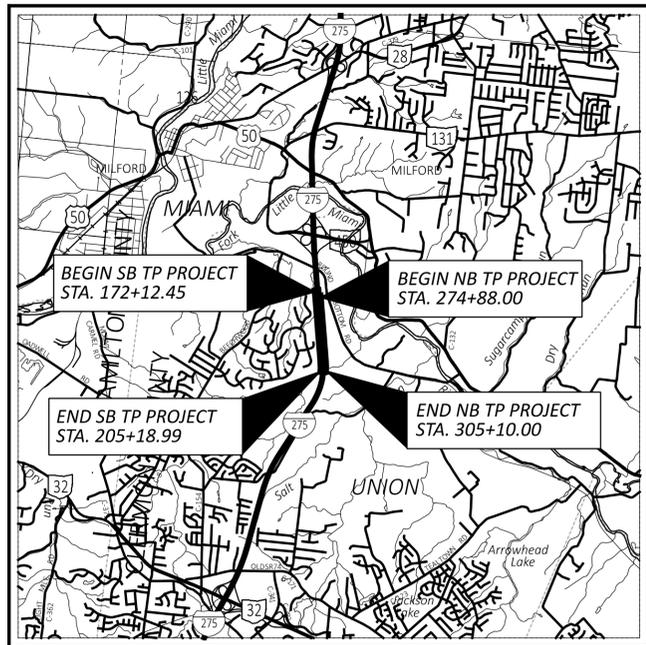


CLE-IR 275 REST AREAS TP

MODEL: Sheet PAPER/SIZE: 34x22 (in.) DATE: 2/11/2026 TIME: 9:19:29 AM PLTDRV: OHDOT\_PDF.plt USER: Josh.Kinnear@woolpert.com WORKSPACE: OHDOTCEV02 WORKSET: 122892 PRODUCT: OpenRoadsDesigner 24.00.02.25 pvc:\ohdot\p-w\benlley.com\ohdot\p-w-02\Documents\01 Active Projects\District 08\Clermont\122892\401-Engineering\_Woolpert\Roadway\Sheets\122892\_G1\01.dgn



LOCATION MAP

LATITUDE: 39°08'36" LONGITUDE: -84°15'55"



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

**DESIGN DESIGNATION**

CURRENT ADT (2026)	84,500
DESIGN YEAR ADT (2046)	104,000
DESIGN HOURLY VOLUME (2046)	14,000
DIRECTIONAL DISTRIBUTION	54.5%
TRUCKS (24 HOUR B&C)	20%
DESIGN SPEED	70 MPH
LEGAL SPEED	65 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
01 - INTERSTATE (URBAN)	
NHS PROJECT	YES

**DESIGN EXCEPTIONS**

NONE

**ADA DESIGN WAIVERS**

NONE

**UNDERGROUND UTILITIES**  
Contact Two Working Days Before You Dig

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

PLAN PREPARED BY:



# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## CLE-IR 275 REST AREAS TP

UNION TOWNSHIP  
CLERMONT COUNTY

**INDEX OF SHEETS:**

TITLE SHEET	P.1
SCHEMATIC PLAN	P.2
TYPICAL SECTIONS	P.3 - P.14
GENERAL NOTES	P.15 - P.16
MAINTENANCE OF TRAFFIC	P.17 - P.36
GENERAL SUMMARY	P.37 - P.39
SUBSUMMARIES	P.40 - P.44
PROJECT SITE PLAN	P.45
PLAN AND PROFILE - I.R. 275 SB REST AREA TP	P.46 - P.54
PLAN AND PROFILE - I.R. 275 NB REST AREA TP	P.55 - P.63
CROSS SECTIONS - I.R. 275 SB REST AREA TP	P.64 - P.103
CROSS SECTIONS - I.R. 275 NB REST AREA TP	P.104 - P.139
SUPERELEVATION TABLES	P.140 - P.141
INTERCHANGE DETAILS	P.142 - P.148
CONCRETE PAVEMENT JOINT DETAILS	P.149 - P.154
MAINTENANCE VEHICLE PARKING AND DUMPSTER PAD DETAILS	P.155
STORM SEWER PROFILES	P.156 - P.157
TRAFFIC CONTROL	P.158 - P.166
ITS/TRAFFIC SURVEILLANCE	P.167 - P.172
LIGHTING	P.173 - P.184
ENCLOSURE DETAIL	P.185
GEOTECHNICAL PROFILE - ROADWAY	P.186 - P.191

STANDARD CONSTRUCTION DRAWINGS										SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS	
BP-1.1	7/28/00	I-2A	7/19/24	HL-10.12	7/21/23	MT-97.10	7/18/25	TC-52.20	1/15/21	800-2023	7/18/25	
BP-2.1	1/21/22			HL-10.13	1/20/23	MT-98.10	1/17/20	TC-61.10	4/21/23	804	7/18/25	
BP-2.2	1/15/21	MGS-2.1	7/18/25	HL-20.11	7/18/25	MT-98.29	1/17/20	TC-61.30	7/19/24	807	1/17/25	
BP-3.1	1/19/24	MGS-4.2	7/18/25	HL-20.21	7/18/25	MT-101.60	1/17/25	TC-65.10	1/17/14	809	7/18/25	
BP-4.1	7/19/13	MGS-4.3	7/18/25	HL-30.11	7/21/23	MT-101.90	7/17/20	TC-65.11	1/17/25	813	7/21/23	
BP-5.1	7/18/25	MGS-5.2	7/15/16	HL-30.22	1/17/25	MT-103.10	7/18/25	TC-72.20	7/18/25	821	4/20/12	
BP-6.1	7/19/13	MGS-6.1	1/19/18	HL-40.10	7/19/24	MT-105.10	1/17/20	TC-73.20	1/17/25	825	7/19/24	
BP-9.1	1/18/19			HL-40.20	7/18/25					832	7/18/25	
		MH-3	7/19/24	HL-60.11	7/21/17	TC-41.10	7/19/13			839	7/16/21	
CB-2-2B	7/19/24					TC-41.20	10/18/13			850	7/21/23	
		RM-5.1	7/18/14	ITS-14.11	7/18/25	TC-41.30	4/21/23			878	1/21/22	
DM-1.1	1/17/25			ITS-14.60	1/17/25	TC-42.10	10/18/13			902	7/19/19	
DM-1.2	1/17/25	HW-2.1	7/15/22			TC-42.20	10/18/13			904	7/15/22	
DM-4.2	7/20/12	HW-2.2	7/20/18	MT-95.30	7/18/25	TC-51.11	7/18/25			905	1/17/25	
DM-4.4	1/15/16			MT-95.45	7/21/23	TC-51.12	7/18/25			909	7/18/25	
		HL-10.11	7/21/23	MT-95.50	7/21/17	TC-52.10	10/18/13			913	4/16/21	

**FEDERAL PROJECT NUMBER**

NON-FEDERAL

**RAILROAD INVOLVEMENT**

CINCINNATI EASTERN RAILROAD, LLC (CCET)

**PROJECT DESCRIPTION**

THIS PROJECT RECONSTRUCTS AND REPURPOSES TWO ABANDONED REST AREA LOCATIONS ALONG NORTHBOUND AND SOUTHBOUND I.R. 275 IN CLERMONT COUNTY FOR TRUCK PARKING. THE PROJECT INCLUDES FULL DEPTH PAVEMENT REPLACEMENT AND RESURFACING, DRAINAGE INSTALLATION WITHIN TRUCK PARKING FACILITIES, PAVEMENT MARKINGS, AND SIGNING.

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA:	8.89 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	8.89 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 SHEETS P.17 - P.18 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

<b>ENGINEER'S SEAL</b>	<b>ENGINEER'S SEAL</b>
ENTIRE PLAN EXCEPT LIGHTING	LIGHTING

TITLE SHEET

DESIGN AGENCY



DESIGNER	JDK
REVIEWER	DJV 12/18/25
PROJECT ID	122892
SHEET	TOTAL
P.1	191

**UTILITIES**

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

ITS	ODOT CO ITS 1606 W BROAD ST COLUMBUS, OH 43223 614-387-4113 CEN.ITS.LAB@DOT.OHIO.GOV
ELECTRIC	DUKE ENERGY 2010 DANA AVE CINCINNATI, OH 45207 513-508-9609 (SHANE ERHART) SHANE.ERHART@DUKE-ENERGY.COM
LIGHTING	ODOT D8 TRAFFIC 505 SOUTH SR741 LEBANON, OH 45036 513-933-6692 (JIM JUDD) JIM.JUDD@DOT.OHIO.GOV
TELEPHONE/COMMUNICATIONS	ALTA FIBER 221 E 4TH STREET (BUILDING 121-900) CINCINNATI, OH 45202 ROADPROJECTS@ALTA FIBER.COM
CABLE	CHARTER COMMUNICATIONS 10920 KENWOOD ROAD BLUE ASH, OH 45242 513-386-5918 (TODD VANVRANKEN) TODD.VANVRANKEN@CHARTER.COM DL-SOUTHERN-OHIO-OUTSIDE-PLANT@CHARTER.COM

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.

**SURVEYING PARAMETERS - OHIO COUNTY COORDINATE SYSTEM (OCCS)**

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET P.16 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

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

<b>PROJECT CONTROL</b>	
POSITIONING METHOD:	ODOT VRS
MONUMENT TYPE:	TYPE B
<b>VERTICAL POSITIONING</b>	
ORTHOMETRIC HEIGHT DATUM:	NAVD88
GEOID:	GEOID18
<b>HORIZONTAL POSITIONING</b>	
REFERENCE FRAME:	NAD83(2011)
ELLIPSOID:	GRS80
COORDINATE SYSTEM:	CLERMONT COUNTY
MAP PROJECTION:	TRANSVERSE MERCATOR
CENTRAL LATITUDE:	N 37° 33' 00"
CENTRAL LONGITUDE:	E 275° 45' 00"
FALSE NORTHING:	0 M
FALSE EASTING:	50000 M
PROJECTION SCALE FACTOR:	1.000030

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.

**ROUNDING**

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

**EXISTING PLANS**

EXISTING PLANS ENTITLED CLE-275-6.68 (1970) AND CLE-275-5.35 (2001) MAY BE INSPECTED IN THE ODOT DISTRICT 8 OFFICE IN LEBANON.

**WORK LIMITS**

THE WORK LIMITS 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 LIMITS.

**PROFILE AND ALIGNMENT**

PLACE THE PROPOSED PAVEMENT WITHIN THE RAMP RESURFACING AREAS TO CLOSELY FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PREVIOUS CONSTRUCTION PLANS, CLE-275-6.68 AND CLE-275-5.35; PID 12436, SHOWING THE ORIGINAL ALIGNMENT AND PROFILE, ARE AVAILABLE FOR INSPECTION AT THE ODOT DISTRICT 8 OFFICE.

**ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446), AS PER PLAN**

ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446), AS PER PLAN SHALL FOLLOW THE SPECIFICATIONS EXCEPT FOR SECTION 442.04, ASPHALT BINDER. THE ASPHALT BINDER USED IN THIS ASPHALT MIX SHALL BE PG76-22M.

**CLEARING AND GRUBBING, AS PER PLAN**

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, AS PER PLAN. ALL TREES WITHIN CONSTRUCTION LIMITS WILL BE FELLED BY A SEPARATE CONTRACT PRIOR TO MARCH 31, 2026. REMOVAL OF ALL REMAINING LIMBS, TRUNKS, AND STUMPS WILL BE PAID UNDER THIS ITEM. 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, AS PER PLAN.

**CONTRACTION AND/OR EXPANSION JOINTS**

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN CONTRACTION AND EXPANSION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. IN ALL CASES, THE PROVISION OF EXPANSION JOINTS AT ALL MAJOR STRUCTURES INCLUDING THE MAXIMUM SPACING BETWEEN CONTRACTION JOINTS IS IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-2.2 AND THE SPECIFICATIONS.

**ENDANGERED BAT HABITAT REMOVAL**

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR THROUGH A SEPARATE CONTRACT BEFORE MARCH 31, 2026. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

**ITEM 204 – UNSTABLE OR UNSUITABLE FOUNDATION SOILS**

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

- SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
- EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS).
- COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.
- APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.
- EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.
- PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.
- FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

THE FOLLOWING CONTINGENCY QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. FOR ESTIMATING PURPOSES ONLY, AN AREA OF 20% OF THE FULL-DEPTH PAVEMENT AREA ACROSS BOTH SITES WAS USED WITH AN ASSUMED DEPTH OF CUT OF 15 INCHES. THE DEPARTMENT WILL PAY FOR QUANTITIES ACTUALLY USED ON THE PROJECT.

ITEM 204 – SUBGRADE COMPACTION	5634 SY
ITEM 204 – EXCAVATION OF SUBGRADE	2348 CY
ITEM 204 – GRANULAR MATERIAL, TYPE C	2348 CY
ITEM 204 – PROOF ROLLING	3 HOURS
ITEM 204 – GEOTEXTILE FABRIC, TYPE D, 712.09	5634 SY

**ITEM 204 - PROOF ROLLING**

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.

ITEM 204 - PROOF ROLLING	16 HOURS
--------------------------	----------

**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.

**ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE B**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE MASH 2016 TYPE B FLARED END TREATMENTS FOR TYPE MGS GUARDRAIL AS LISTED UNDER "PRODUCTS ACCEPTED FOR NEW INSTALLATIONS" ON THE ROADWAY APPROVED PRODUCTS LIST POSTED ON ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND, THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

THE FACE OF THE TYPE B IMPACT HEAD SHALL BE COVERED WITH SOLID FLUORESCENT YELLOW REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE B, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING REFLECTIVE SHEETING AND ALL RELATED HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

**CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES**

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

DESIGN AGENCY



DESIGNER  
KLD

REVIEWER  
DIV 12/18/25

PROJECT ID  
122892

SHEET TOTAL  
P.15 | 191

**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	3,870 CY
659, SEEDING AND MULCHING, CLASS 3C	34,861 SY
659, REPAIR SEEDING AND MULCHING	1,744 SY
659, INTER-SEEDING	1,744 SY
659, COMMERCIAL FERTILIZER	4.87 TONS
659, LIME	7.21 ACRES
659, WATER	194 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.

**POST CONSTRUCTION STORM WATER TREATMENT**

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

**VEGETATED FILTER STRIP**

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

**SUBGRADE EXCAVATION**

IN AREAS WHERE SHALLOW ROCK IS ENCOUNTERED IN THE PROPOSED SUBGRADE WITHIN 12 INCHES BELOW THE BOTTOM OF THE PROPOSED PAVEMENT BUILDUP, CEMENT STABILIZATION SHALL NOT BE PERFORMED. THE CONTRACTOR SHALL EXCAVATE TO A DEPTH 6 INCHES BELOW THE FINAL SUBGRADE ELEVATION. THE WIDTH OF THE UPPER 6 INCHES OF AGGREGATE BASE SHALL EXTEND 18 INCHES BEYOND PAVED SHOULDERS. THE ADDITIONAL 6 INCHES BELOW THE BOTTOM OF THE 6 INCH AGGREGATE BASE SHALL BE REPLACED WITH ITEM 304 AGGREGATE BASE AND SHALL EXTEND A MINIMUM OF 12 INCHES BEYOND PAVED SHOULDERS.

THE FOLLOWING LOCATIONS REPRESENT AREAS WHERE SHALLOW ROCK EXISTS BASED ON THE SUBSURFACE INVESTIGATION:

RAMP W, STA. 294+50.00 TO STA. 297+50.00

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

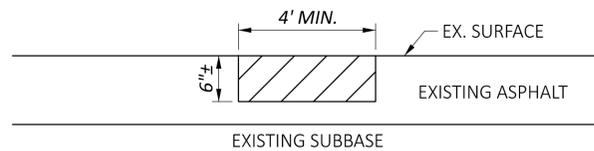
ITEM 204, SUBGRADE COMPACTION	12 SY
ITEM 204, EXCAVATION OF SUBGRADE	150 CY
ITEM 304, AGGREGATE BASE	152 CY

**MASONRY COLLAR**

WHENEVER A PROPOSED CONDUIT IS TO BE CONNECTED TO AN EXISTING CONDUIT, THE EXISTING CONDUIT SHOULD BE REMOVED TO A MANUFACTURED JOINT. THE PROPOSED CONDUIT SHOULD MATCH THE EXISTING CONDUIT MATERIAL. CONNECT THE TWO CONDUITS AT BELL AND SPIGOT JOINTS. THE MASONRY COLLAR PER DM-1.1 SHOULD ENCASE THE JOINT TO ENSURE A STABLE CONNECTION.

**ITEM 253 - PAVEMENT REPAIR**

AN ESTIMATED QUANTITY OF ITEM 253, PAVEMENT REPAIR HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. THIS OPERATION SHALL BE PERFORMED BEFORE PAVEMENT PLANING OF ROADWAY. RESURFACING OF THESE AREAS SHALL TAKE PLACE WITHIN 2 WEEKS OF PERFORMING THE REPAIR WORK.



EXISTING DETERIORATED ASPHALT SHALL BE REMOVED TO A DEPTH OF 6"± OR AS DIRECTED BY THE ENGINEER AND REPLACED WITH ITEM 301, ASPHALT CONCRETE BASE. THE 301 SHALL BE COMPACTED AS PER 401.15 AND IN APPROXIMATELY EQUAL LAYERS. THE LOCATIONS AND SIZE OF THE REPAIRS SHALL BE DETERMINED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 253, PAVEMENT REPAIR	68 CY
---------------------------	-------

**ITEM SPECIAL - BOLLARD**

THIS ITEM INCLUDES THE CONSTRUCTION OF A PERMANENT STEEL BOLLARD IN ACCORDANCE WITH SCD RM-5.1.

PAYMENT FOR ALL LABOR, MATERIALS AND EQUIPMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EACH ITEM SPECIAL - BOLLARD.

**EXISTING SUBSURFACE DRAINAGE**

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE. UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

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

ITEM 601, TIED CONCRETE BLOCK MAT, WITH TYPE 1 UNDERLAYMENT	7 SY
ITEM 611, 6" CONDUIT, TYPE F	100 FT
ITEM 611, PRECAST REINFORCED CONCRETE OUTLET	4 EACH

**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	89 FT
--	-------

**ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT**

THIS ITEM CONSISTS OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING 12 INCH DIAMETER CONDUIT AND FILLING THE AREA SEALED OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

LOCATE THE BULKHEADS AT THE LIMITS OF THE AREA TO BE FILLED, AS INDICATED ON THE PLANS. THE BULKHEADS CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

PUMP THE FILL MATERIAL INTO PLACE OR BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH IS FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR IS THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED PER 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT.

**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, 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 YD
---	----------

PRIMARY PROJECT CONTROL INFORMATION							
POINT NUMBER	STATION	OFFSET	SIDE	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP1	384+87.18	89.31	RT	580449.7864	159570.1796	661.810	CNPT
CP2	385+62.62	95.14	LT	580393.0697	159761.2288	662.540	CNPT
SV30000	365+00.05	0.07	LT	582435.9475	159461.4068	621.451	CMON
SV30001	370+00.00	0.00	CL	581938.4739	159511.0796	636.450	CMON
SV30002	375+00.07	0.01	RT	581440.8814	159560.8206	647.808	CMON
SV30003	379+99.97	0.11	LT	580943.4800	159610.6871	656.808	CMON
SV30004	385+00.05	0.10	LT	580445.8726	159660.4257	661.543	CMON
SV30005	389+99.97	0.04	RT	579948.4200	159710.0267	666.685	CMON
SV30006	395+00.03	0.32	RT	579450.8212	159759.5042	671.847	IPIN
SV30007	400+69.61	0.00	CL	578883.7971	159816.5263	676.845	CMON

**REVIEW OF DRAINAGE FACILITIES**

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

**ITEM 202 - REMOVAL, MISC.: POST**

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING WOOD POSTS AS LISTED ON THE ROADWAY SUBSUMMARY SHEET.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID PER EACH FOR ITEM 202 - REMOVAL MISC.: POST, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

**ITEM 611 - TYPE A OR B CONDUIT, AS PER PLAN**

USE 703.11 STRUCTURAL BACKFILL TYPE 1 OR 613 LOW STRENGTH MORTAR, TYPE 2 AS STRUCTURAL BACKFILL FOR ALL TYPE A AND B FLEXIBLE CONDUITS 12-INCH DIAMETER AND LARGER. DETAIL THE SELECTED CONDUIT MATERIAL AND STRUCTURAL BACKFILL IN THE 611 INSTALLATION PLAN PER 611.04 B. NOTIFY THE ENGINEER IMMEDIATELY WHEN GROUNDWATER IS ENCOUNTERED DURING EXCAVATION. USE 703.11 STRUCTURAL BACKFILL TYPE 3 FOR BEDDING AND BACKFILL IN AREAS WHERE GROUNDWATER IS PRESENT. INSTALL 703.11 STRUCTURAL BACKFILL TYPE 3 AND GEOTEXTILE FABRIC ACCORDING TO 611.06. VERIFY THE CONDUIT MATERIAL AND REVISED BACKFILL MEET THE STRUCTURAL DESIGN REQUIREMENTS WITH THE CONDUIT MANUFACTURER PRIOR TO INSTALLATION.





REF NO.	SHEET NO.	STATION TO STATION					601	601	602		611	611	611	611	611	611	611	611	611	659	670	670	839	SPECIAL		
							TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	CONCRETE MASONRY		6" CONDUIT, TYPE F	12" CONDUIT, TYPE B, AS PER PLAN, 706.02	12" CONDUIT, TYPE B, AS PER PLAN	15" CONDUIT, TYPE B, AS PER PLAN	18" CONDUIT, TYPE B, AS PER PLAN	18" CONDUIT, TYPE F, 707.05 TYPE C, 707.21, OR 707.33 FOR BROKEN BACK	CATCH BASIN, NO. 2-2B	CATCH BASIN ADJUSTED TO GRADE	INLET, NO. 2-A-20	MANHOLE, NO. 3	MANHOLE ADJUSTED TO GRADE		TOPSOIL	SLOPE EROSION PROTECTION	DITCH EROSION PROTECTION MAT, TYPE B	TRENCH DRAIN, TYPE A WITH STANDARD GRATE
SB SITE						SY	CY	CY		FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	CY	SY	SY	FT	FT		
E-1	P.49-P.50	180+18	LT	TO	186+83	LT														169	1516					
E-2	P.49	180+14	LT	TO	180+18	LT	2																			
E-3	P.50	186+82	LT	TO	186+86	LT	2																			
E-4	P.51	192+42	LT	TO	192+50	LT	4																			
E-5	P.52	194+79	RT	TO	196+00	RT																87				
D-111	P.49-P.50	182+41	LT	TO	184+11	LT						150						1								
D-112	P.49	180+91	LT	TO	182+61	LT					150							1								
D-113	P.4	180+31	LT	TO	181+11	LT							60					1								
D-114	P.49	171+91	RT	TO	180+51	LT		2	0.4					74				1								
D-115	P.48	174+06	RT	TO	174+28	LT										1								89		
D-116	P.48	173+11				LT											1									
D-117	P.47	172+75				LT										1										
D-118	P.51	192+21				LT												1								
D-119	P.51-P.52	192+50	LT	TO	196+00	LT					16												338			
NB SITE																										
E-6	P.60-P.61	286+46	RT	TO	293+48	RT														155	1390					
E-7	P.59	281+42	RT	TO	281+46	RT	2																			
E-8	P.61	293+48	RT	TO	298+52	RT	2																			
D-151	P.60	288+91	RT	TO	290+61	RT						150						1								
D-152	P.60	287+41	RT	TO	289+11	RT							150					1								
D-153	P.59-P.60	286+61	RT	TO	287+61	RT								79				1								
D-154	P.59	286+02	LT	TO	286+81	RT								59				1								
D-155	P.59	283+23				RT													1							
D-156	P.58	280+67				RT											1									
D-157	NOT USED																									
D-158	P.57-P.58	274+93	RT	TO	280+05	RT					5												508			
D-159	P.57	274+92				RT																				
D-160	P.59	285+93	LT/RT	TO	286+12	LT/RT		13	0.4				20	74			1		1							
SUBTOTAL SB SITE						8	2	0.4		16	5	300	60	74		1	2	4		1	169	1516	87	338	89	
SUBTOTAL NB SITE						4	13	0.4		5	150	150	158	74		2	4	1	1		155	1390	508			
TOTALS CARRIED TO GENERAL SUMMARY						12	15	0.8		16	10	450	210	232	74	1	4	8	1	2		324	2906	87	846	89

DRAINAGE SUBSUMMARY

DESIGN AGENCY



DESIGNER

JDK

REVIEWER

DJV 12/18/25

PROJECT ID

122892

SHEET TOTAL

P.42 191

**625, POWER SERVICE, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE FOLLOWING SHALL APPLY.

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS:

DUKE ENERGY  
2010 DANA AVE  
CINCINNATI, OH 45207  
513-508-9609  
SHANE ERHART  
SHANE.ERHART@DUKE-ENERGY.COM

POWER SERVICE: 480 VOLT, 3-WIRE, SINGLE PHASE, GROUNDED NEUTRAL. THIS PROJECT HAS BEEN DESIGNED ON THE BASIS OF 5% VOLTAGE DROP WITH A MAXIMUM UNIFORMITY RATIO OF 4.0 TO 1.0 FOR CONVENTIONAL UNITS AND 3.0 TO 1.0 FOR HIGH MAST UNITS.

ALL POWER SERVICES SHALL BE METERED. THE METER BASE MOUNTING HEIGHT SHALL BE NO MORE THAN FIVE (5) FEET HIGH TO THE CENTER OF THE METER BASE FROM THE GROUND. A NON-FUSED DISCONNECT SHALL BE INSTALLED ON THE POWER SIDE OF THE METER BASE. THE CONTRACTOR SHALL SUPPLY THE NECESSARY METER BASES AND DISCONNECTS.

THE CONTRACTOR SHALL PAY ALL ELECTRICAL ENERGY CHARGES FOR NEW POWER SERVICES ESTABLISHED BY THIS PROJECT. UPON COMPLETION OF THIS PROJECT AND AFTER WRITTEN AUTHORIZATION FROM THE DISTRICT CONSTRUCTION ENGINEER, POWER SERVICE ELECTRICAL ENERGY ACCOUNTS SHALL BE TRANSFERRED TO THE MAINTAINING AGENCY. THIS SHALL INCLUDE NEW POWER SERVICE ESTABLISHED BY THIS PROJECT AS WELL AS REASSIGNMENT OF EXISTING SERVICE DUE TO WORK PERFORMED BY THIS PROJECT. IF POWER SERVICE IS TRANSFERRED PRIOR TO RECEIVING THE WRITTEN AUTHORIZATION, A DISINCENTIVE OF \$100 PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY OF NON-COMPLIANCE.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH CMS 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.

THE CONTRACTOR SHALL CONTACT DUKE ENERGY COMPANY AT 877-700-3853 WITH THE LOADING, VOLTAGE, METER LOCATION INFORMATION. THIS WILL GET A WORK ORDER AND MEETING SET UP WITH THE NEW SERVICE ENGINEER TO FINALIZE THE POWER SERVICE/DESIGN.

THE CONTRACTOR AND THE DUKE SERVICE ENGINEER WILL WORK OUT THE DETAILS AND BILL WHEN THE TIME COMES. THE CONTRACTOR SHALL CONTACT DUKE A MINIMUM OF A FEW MONTHS PRIOR TO NEEDING ENERGIZED TO NOT DELAY THE PROJECT.

**625, LIGHT TOWER FOUNDATION, MISC: 36" X 10' DEEP**

THE LIGHT TOWER FOUNDATIONS SHALL FOLLOW THE REQUIREMENTS OF 625 AND 725, BUT SHALL BE CONSTRUCTED TO A DEPTH OF 10'

**ITEM 625 ARC FLASH CALCULATIONS AND LABEL, CC-NB CIRCUIT C AND CC-SB CIRCUIT F**

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

**ITEM 625, LIGHT POLE, INSTALLATION ONLY, AS PER PLAN, TOWER, BB45**

LIGHT TOWERS WILL BE AVAILABLE ON THIS PROJECT FOR PICKUP BY THE CONTRACTOR. THE CONTRACTOR SHALL CONTACT JASON HAUS AT 513-933-6529 TO OBTAIN THIS MATERIAL. THE CONTRACTOR SHALL MAKE ARRANGEMENTS TO PICK UP THE MATERIAL FROM ODOT'S MILFORD OUTPOST: 809 US50, MILFORD, OH 45150. ALL ITEMS SHALL BE INSTALLED PER ODOT'S STANDARDS AND SPECIFICATIONS.

**ITEM 625, LIGHT POLE, INSTALLATION ONLY, AS PER PLAN, AT20B40**

LIGHT POLE WITH BRACKET ARM WILL BE AVAILABLE ON THIS PROJECT FOR PICKUP BY THE CONTRACTOR. THE CONTRACTOR SHALL CONTACT JASON HAUS AT 513-933-6529 TO OBTAIN THIS MATERIAL. THE CONTRACTOR SHALL MAKE ARRANGEMENTS TO PICK UP THE MATERIAL FROM ODOT'S MILFORD OUTPOST: 809 US50, MILFORD, OH 45150. ALL ITEMS SHALL BE INSTALLED PER ODOT'S STANDARDS AND SPECIFICATIONS.

**ITEM 625, LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 240V**

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 240 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, 240V**

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, LUMINAIRES FOR HIGH MAST LIGHTING UNITS SHALL BE AS FOLLOWS:  
HOLOPHANE, HMLD4\_P3\_30K\_MVOLT\_AW CHM, CLED2-08C-GY-3070-HO-T4-A

OR APPROVED EQUAL  
LUMINAIRES SHALL BE 240 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.

**RAILROAD PROJECT COORDINATION FOR POWER SERVICE**

THE CONTRACTOR SHALL PERFORM ONGOING COORDINATION OF THEIR DESIGN AND CONSTRUCTION ACTIVITIES WITH THE RAILROAD THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL PROVIDE A SCHEDULE ON A MONTHLY BASIS INCLUDING ANTICIPATED DATES OF THE FOLLOWING ITEMS:

1. CONSTRUCTION SUBMITTALS REQUIRING RAIL REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION (PER THE RAIL AGREEMENT(S) AND/OR PUBLIC PROJECT MANUALS).
2. CONSTRUCTION START AND END DATES FOR WORK THAT MAY CREATE AN IMPACT TO THE RAIL FACILITY/OPERATIONS.
3. ANTICIPATED DATES AND DURATION FOR FLAGGERS.
4. ANY OTHER MILESTONES THAT MAY IMPACT RAIL FACILITIES OR OPERATIONS.
5. CONSTRUCTION SCHEDULE (SEE SECTION BELOW).

THE CONTRACTOR SHALL PROVIDE THE FIRST SCHEDULE ON THE AFOREMENTIONED ITEMS WITHIN FORTY FIVE (45) CALENDAR DAYS OF THE SIGNED CONTRACT.

MEANS AND METHODS: THE CONTRACTOR SHALL DEVELOP A DETAILED SUBMISSION INDICATING THE PROGRESSION OF WORK WITH SPECIFIC TIMES WHEN TASKS WILL BE PERFORMED FOR WORK ACTIVITIES THAT ARE ON OR IN THE VICINITY OF THE RAILROAD PROPERTY. THIS SUBMISSION MAY REQUIRE A WALKTHROUGH AT WHICH TIME THE RAILROAD AND/OR THEIR REPRESENTATIVE WILL BE PRESENT. WORK WILL NOT BE PERMITTED TO COMMENCE UNTIL THE CONTRACTOR HAS PROVIDED THE RAILROADS WITH A SATISFACTORY PLAN THAT THE PROJECT WILL BE UNDERTAKEN WITHOUT SCHEDULING, PERFORMANCE, OR SAFETY RELATED ISSUES. PROVIDE A LISTING OF THE ANTICIPATED EQUIPMENT TO BE USED, THE LOCATION OF ALL EQUIPMENT TO BE USED AND ENSURE A CONTINGENCY PLAN OF ACTION IS IN PLACE SHOULD A PRIMARY PIECE OF EQUIPMENT MALFUNCTIONS. ALL WORK IN THE VICINITY OF THE RAILROAD PROPERTY THAT HAS THE POTENTIAL OF AFFECTING TRAIN OPERATIONS MUST BE SUBMITTED AND APPROVED BY THE RAILROAD PRIOR TO WORK BEING PERFORMED. THIS SUBMISSION WILL ALSO INCLUDE A DETAILED NARRATIVE DISCUSSING THE COORDINATION OF PROJECT SAFETY ISSUES BETWEEN THE CONTRACTOR AND THE RAILROAD AND/OR THEIR REPRESENTATIVE. THE NARRATIVE SHALL ADDRESS PROJECT LEVEL COORDINATION AND DAY TO DAY, SPECIFIC WORK OPERATIONS INCLUDING CRANE AND EQUIPMENT OPERATIONS, ERECTIONS PLANS AND TEMPORARY WORKS.

UP TO SIXTY (60) CALENDAR DAYS WILL BE REQUIRED TO REVIEW ALL CONSTRUCTION SUBMISSIONS. UP TO AN ADDITIONAL SIXTY (60) CALENDAR DAYS WILL BE REQUIRED TO REVIEW ANY SUBSEQUENT SUBMISSIONS RETURNED NOT APPROVED. ALL SUBMITTALS SHALL INCLUDE ALL DETAILS INCLUDED IN THE PUBLIC PROJECT MANUAL (PPM). SUBSEQUENT REJECTIONS BY THE RAILROAD OF SUBMITTALS MISSING INFORMATION REQUIRED CONTRACTUALLY AND/OR THE PPM WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONSIDERED A NON-EXCUSABLE DELAY PER C&MS 108.06.E.

**RAILROAD PROJECT COORDINATION FOR POWER SERVICE, CONT.**

CONSTRUCTION SCHEDULE: SUBMIT A DETAILED CONSTRUCTION SCHEDULE FOR THE DURATION OF THE PROJECT CLEARLY INDICATING THE TIME PERIODS WHILE WORKING ON AND AROUND THE RAILROADS RIGHT-OF-WAY. AS THE WORK PROGRESSES, THIS SCHEDULE SHALL BE UPDATED MONTHLY AND RESUBMITTED AS NECESSARY TO REFLECT CHANGES IN WORK SEQUENCE, DURATION AND METHOD, ETC.

FOR WORK INVOLVING REPLACEMENT OF THE RAILROADS FACILITIES: SUBMIT A DETAILED CONSTRUCTION SCHEDULE FOR THE DURATION OF THE PROJECT CLEARLY INDICATING THE TIME PERIODS WHILE WORKING ON AND AROUND THE RAILROADS FACILITIES. IN ADDITION TO THE REQUIREMENTS IN C&MS 108.03 AND PN 105/107, THE CONTRACTOR IS ALSO REQUIRED TO SUBMIT A SCHEDULE FOR APPROVAL TO THE RAILROAD PRIOR TO GAINING RIGHT OF ENTRY ONTO THE RAILROADS RIGHT OF WAY. AN ACTIVITY FOR THIS SUBMITTAL AND SUBSEQUENT REVIEW TIME SHOULD BE INCLUDED IN THE CONTRACTOR'S BASELINE. UP TO SIXTY (60) CALENDAR DAYS WILL BE REQUIRED TO REVIEW THIS SUBMISSION. UP TO AN ADDITIONAL SIXTY (60) CALENDAR DAYS WILL BE REQUIRED TO REVIEW ANY SUBSEQUENT SUBMISSIONS RETURNED NOT APPROVED. REJECTIONS BY THE RAILROAD OF THIS SUBMITTAL DUE TO MISSING CONTRACTUALLY REQUIRED INFORMATION SHALL BE CONSIDERED A NON-EXCUSABLE DELAY PER C&MS 108.06.F.

NOVEMBER 15<sup>th</sup> TO JANUARY 15<sup>th</sup>:  
1. FLAGGERS AND/OR FCI/OBSERVERS ARE NOT AVAILABLE.  
2. THE RAILROAD WILL NOT PERFORM ANY WORK DURING THIS TIME PERIOD.

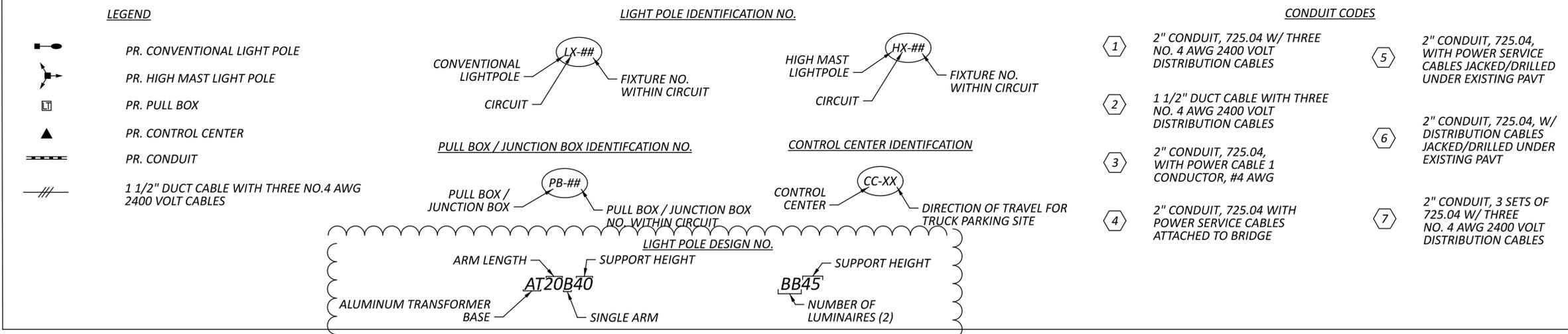
RAILROAD COORDINATOR: THE CONTRACTOR SHALL DECLARE A RAILROAD COORDINATOR WITHIN FORTY-FIVE DAYS OF THE SIGNED CONTRACT. THE RAILROAD COORDINATOR'S RESPONSIBILITY, AT A MINIMUM, SHALL BE AS FOLLOWS:  
- BE THE SINGLE POINT OF CONTACT TO HANDLE ALL COMMUNICATION WITH THE RAILROAD.

- FULFILL THE MITIGATION CONTRACTUAL REQUIREMENTS OF C&MS 108.02.F, AT MINIMUM, BY:
  - ENCOURAGING THE RAILROADS TO PARTICIPATE IN "OVER THE SHOULDER" REVIEWS OF SUBMITTALS.
  - SUBMIT ALL SUBMITTALS TO THE RAILROAD EARLY IN THE PROJECT.
  - MEET WITH RAILROAD REPRESENTATIVES SHORTLY AFTER THE CONTRACT IS SIGNED AND THROUGHOUT THE PROJECT TO DISCUSS THE SCHEDULE, MEANS AND METHODS, ETC.
  - SCHEDULE CONCURRENT ACTIVITIES REQUIRING RAILROAD FLAGGING AND/OR OBSERVERS TO MAXIMIZE FLAGGER AND/OR OBSERVER UTILIZATION.
  - COLLABORATE WITH RAILROAD REPRESENTATIVES TO DETERMINE FLAGGER AND/OR OBSERVER AVAILABILITY.
  - COORDINATE WITH THE RAILROAD TO UNDERSTAND THEIR INTERNAL SCHEDULES, OUTAGES, AND FLAGGER/OBSERVER COMMITMENTS.

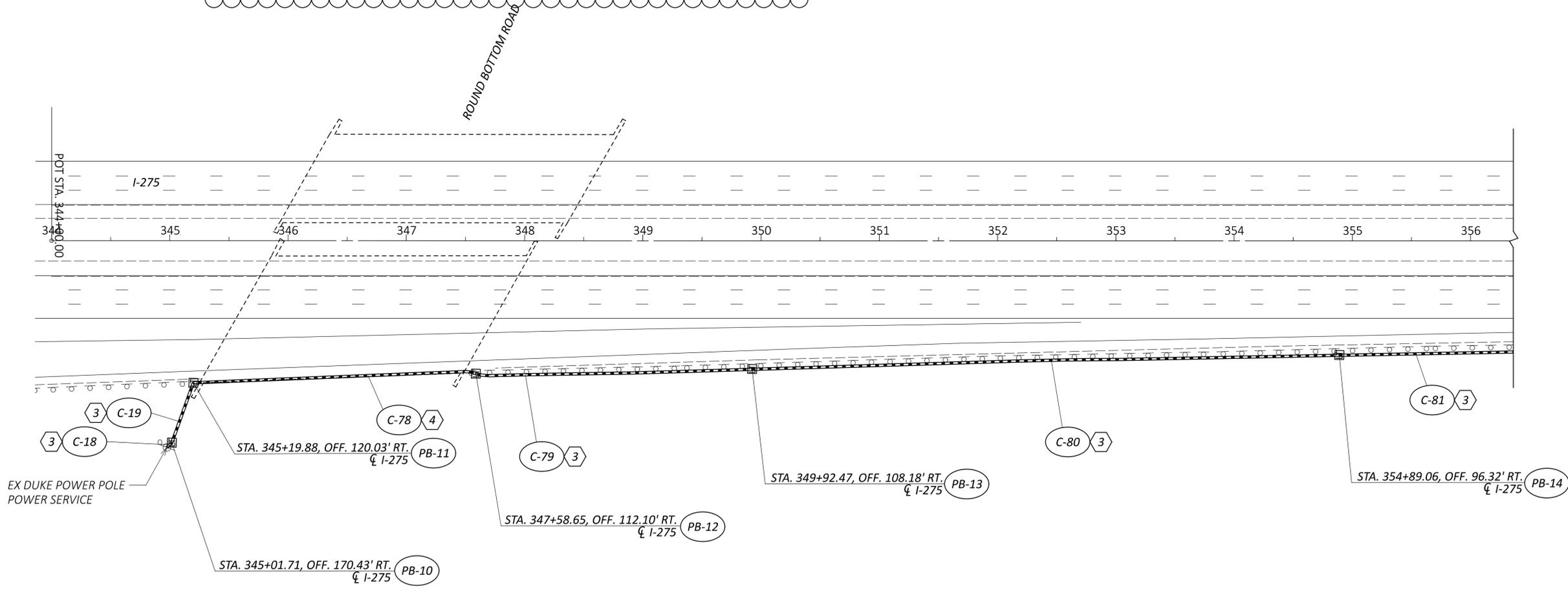
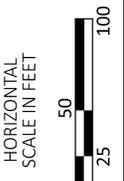
**RAILROAD PROJECT RIGHT OF ENTRY FOR POWER SERVICE:**  
THE RIGHT OF ENTRY WITH REGIONAL RAILROADS HAS BEEN STARTED. UPON AWARD OF THE PROJECT CONTACT KAREN KUIVINEN (KARENK@REGIONAL-RAIL.COM) WITH THE BELOW INFORMATION TO FINALIZE THE RIGHT OF ENTRY. LOCATION DETAIL CINCINNATI EASTERN RAILROAD, LLC (CCET) (ACTUAL WORK LOCATION IS EAST OF THE AARDOT 481728Y) RR MP 16.37 LAKE DIVISION, NW SUBDIVISION, CINN BRANCH 12 TRAINS PER DAY 40 MPH NEAR MILFORD, CLERMONT COUNTY, OHIO PRECISE LOCATION: WHERE CCET RR RUNS UNDER I-275 NORTH BOUND BRIDGE (39.15416, -84.26660) WHILE ADJACENT TO ROUND BOTTOM CONTRACTOR NAME, CONTACT INFORMATION AND W9

DESIGN AGENCY
<b>2LMN</b>
DESIGNER
DJD
REVIEWER
EMW 12/5/25
PROJECT ID
122892
SHEET TOTAL
P.173   191

MODEL: 122892 - 122892.PAPER: 34x22 (in.) DATE: 2/20/2026 TIME: 5:54:14 PM PLOTDRY: OHDOT\_PDF.plt PLOT: OHDOT Pen.tbl USER: Dustin.Vousden@woolpert.com WORKSPACE: OHDOTCEV02 WORKSET: 122892 PRODUCT: OpenRoadsDesigner 24.00.00.205  
 pw:\ohdot-pw.bentley.com\ohdot-pw-02\Documents\01.Active Projects\District 08\Clermont\122892\401-Engineering\_Woolpert\Lighting\Sheets\122892\_LP001.dgn



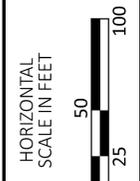
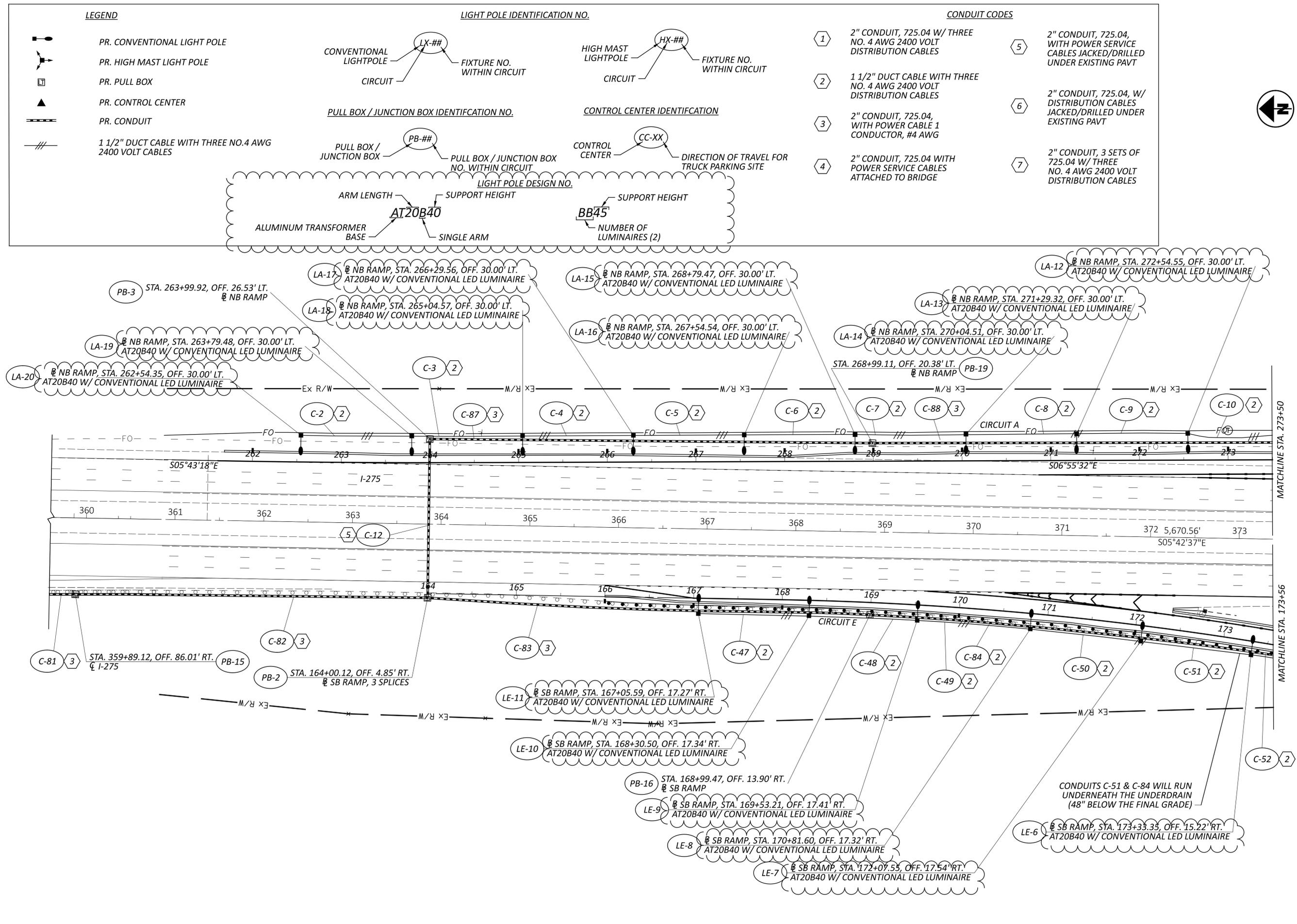
CONDUIT CODES	
1	2" CONDUIT, 725.04 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
2	1 1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
3	2" CONDUIT, 725.04, WITH POWER CABLE 1 CONDUCTOR, #4 AWG
4	2" CONDUIT, 725.04 WITH POWER SERVICE CABLES ATTACHED TO BRIDGE
5	2" CONDUIT, 725.04, WITH POWER SERVICE CABLES JACKED/DRILLED UNDER EXISTING PAVT
6	2" CONDUIT, 725.04, W/ DISTRIBUTION CABLES JACKED/DRILLED UNDER EXISTING PAVT
7	2" CONDUIT, 3 SETS OF 725.04 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES



LIGHTING PLAN - NORTHBOUND & SOUTHBOUND  
 STA. 344+00 TO STA. 356+50

DESIGN AGENCY	<b>2LMN</b>
DESIGNER	DJD
REVIEWER	EMW 12/5/25
PROJECT ID	122892
SHEET TOTAL	P.178   191

MODEL: CLP\_NB\_SITE-3 - 122892\_LP009\_PAPER/SCALE: 34x22 (in.) DATE: 2/20/2026 TIME: 5:54:39 PM PLTDRV: OHDOT\_PDF.plt PENTBL: OHDOT\_Per.tbl USER: Dustin.Vousden@woolpert.com WORKSPACE: OHDOTCe02 WORKSET: 122892 PRODUCT: OpenRoadsDesigner 24.00.00.205  
 pw:\ohdot-pw.bentley.com\ohdot-pw-02\Documents\01.Active Projects\District 08\Clermont\122892\401-Engineering\_Woolpert\Lighting\Sheets\122892\_LP002.dgn

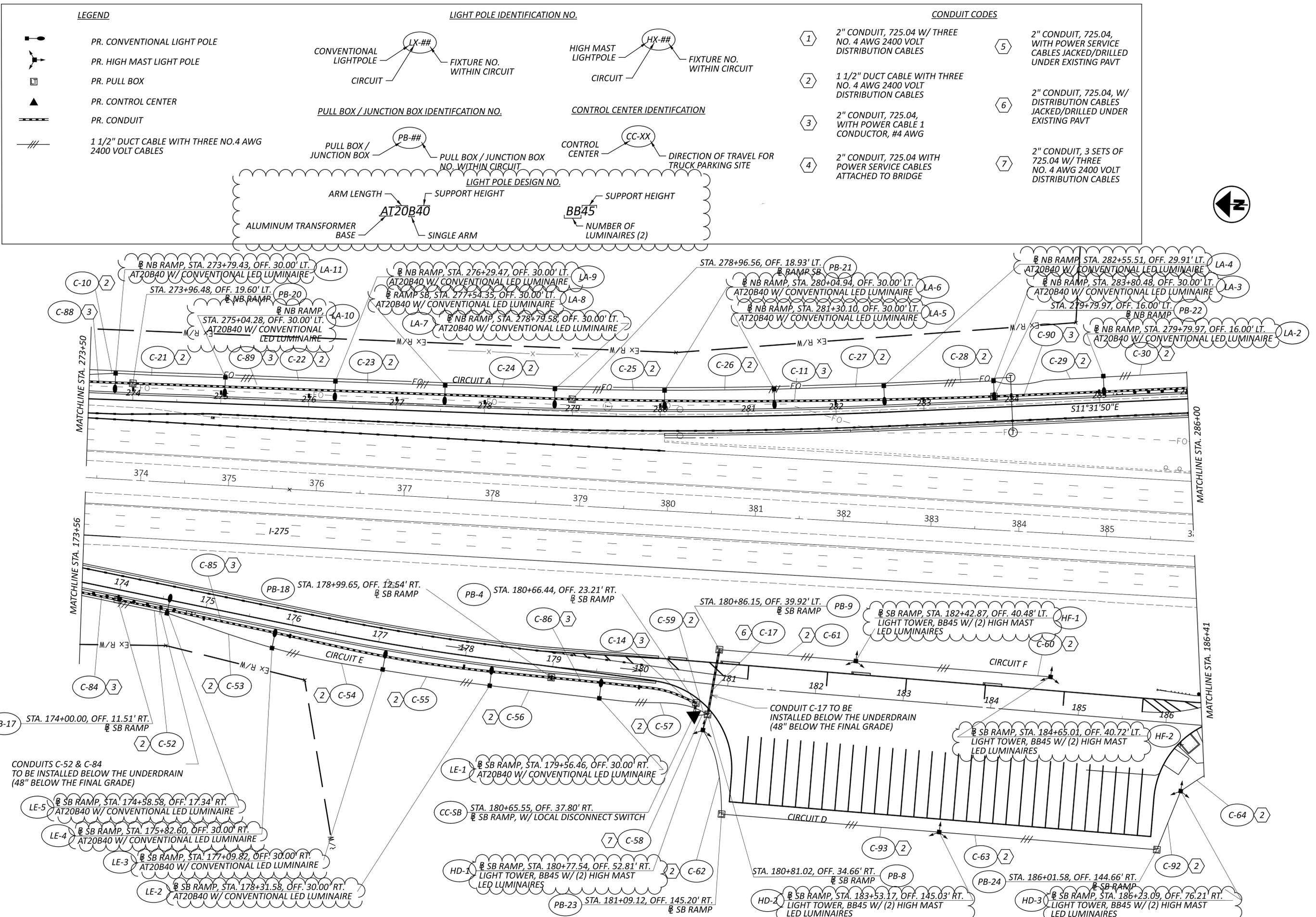


LIGHTING PLAN - NORTHBOUND & SOUTHBOUND  
 STA. 164+00 TO STA. 173+56 & STA. 262+00 TO STA. 273+50

DESIGN AGENCY	2LMN
DESIGNER	DJD
REVIEWER	EMW
PROJECT ID	122892
SHEET TOTAL	P.179 191

CLE-IR 275 REST AREAS TP

MODEL: CLP\_NB\_SITE-3 - 122892\_LP010\_PAPER/SCALE: 34x22 (in.) DATE: 2/21/2026 TIME: 11:05:33 AM PLTDRY: OHDOT\_PDF.plt PENTBL: OHDOT\_Pen.tbl USER: Dustin.Vousden@woolpert.com WORKSPACE: OHDOTCEV02 WORKSET: 122892\_PRODUCT: OpenRoadsDesigner 24.00.00.205  
 pw:\ohdot-pw-beintley.com\ohdot-pw-02\Documents\01.Active Projects\District 08\Clermont\122892\401-Engineering\_Lighting\Lighting\_Sheets\122892\_LP003.dgn



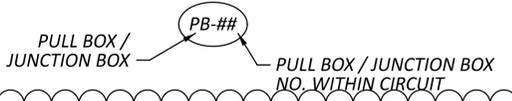
**LEGEND**

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

**LIGHT POLE IDENTIFICATION NO.**



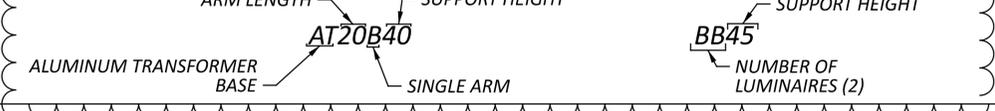
**PULL BOX / JUNCTION BOX IDENTIFICATION NO.**



**CONTROL CENTER IDENTIFICATION**

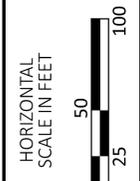


**LIGHT POLE DESIGN NO.**



**CONDUIT CODES**

- 1 2" CONDUIT, 725.04 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 2" CONDUIT, 725.04, WITH POWER CABLE 1 CONDUCTOR, #4 AWG
- 4 2" CONDUIT, 725.04 WITH POWER SERVICE CABLES ATTACHED TO BRIDGE
- 5 2" CONDUIT, 725.04, WITH POWER SERVICE CABLES JACKED/DRILLED UNDER EXISTING PAVT
- 6 2" CONDUIT, 725.04, W/ DISTRIBUTION CABLES JACKED/DRILLED UNDER EXISTING PAVT
- 7 2" CONDUIT, 3 SETS OF 725.04 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES



**LIGHTING PLAN - NORTHBOUND & SOUTHBOUND**  
 STA. 173+59 TO STA. 186+41 & STA. 273+50 TO STA. 286+00

DESIGN AGENCY

**2LMN**

DESIGNER  
DJD

REVIEWER  
EMW 12/5/25

PROJECT ID  
122892

SHEET TOTAL  
P.180 191

CLE-IR 275 REST AREAS TP

MODEL: CLP\_NB\_SITE-3 - 122892\_LP011\_PAPER/SIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 5:55:42 PM PLTDRV: OHDOT\_PDF.plt PENTBL: OHDOT\_Per.tbl USER: Dustin.Vousden@woolpert.com WORKSPACE: OHDOTCE02 WORKSET: 122892 PRODUCT: OpenRoadsDesigner 24.00.00.205  
pw:\ohdot-pw-bentley.com\ohdot-pw-02\Documents\01.Active Projects\District 08\Clermont\122892\401-Engineering\_Lighting\Sheets\122892\_LP004.dgn

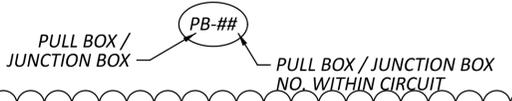
LEGEND

- PR. CONVENTIONAL LIGHT POLE
- PR. HIGH MAST LIGHT POLE
- PR. PULL BOX
- PR. CONTROL CENTER
- 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.



CONTROL CENTER IDENTIFICATION

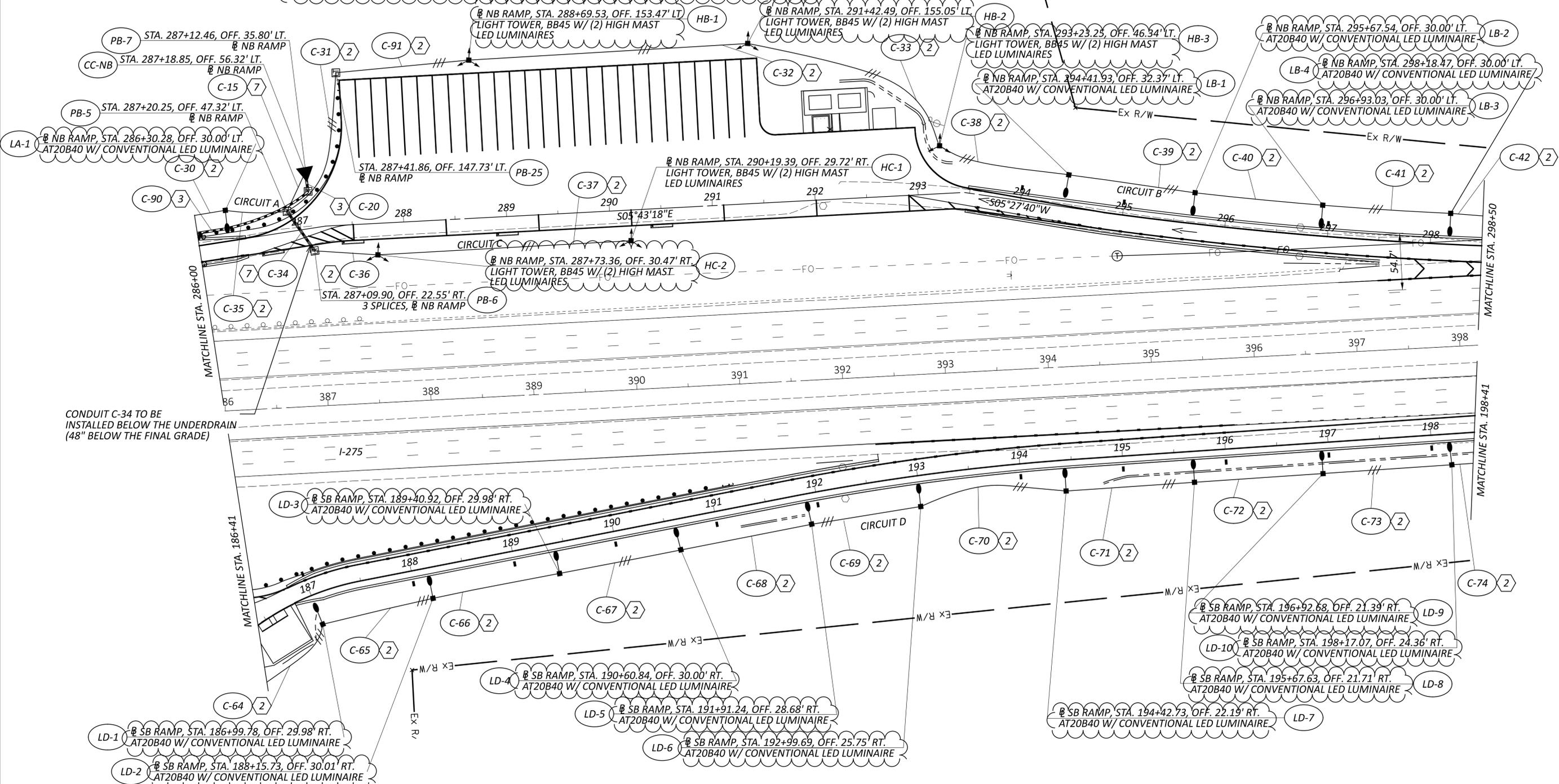
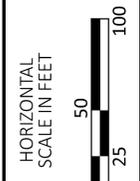


LIGHT POLE DESIGN NO.



CONDUIT CODES

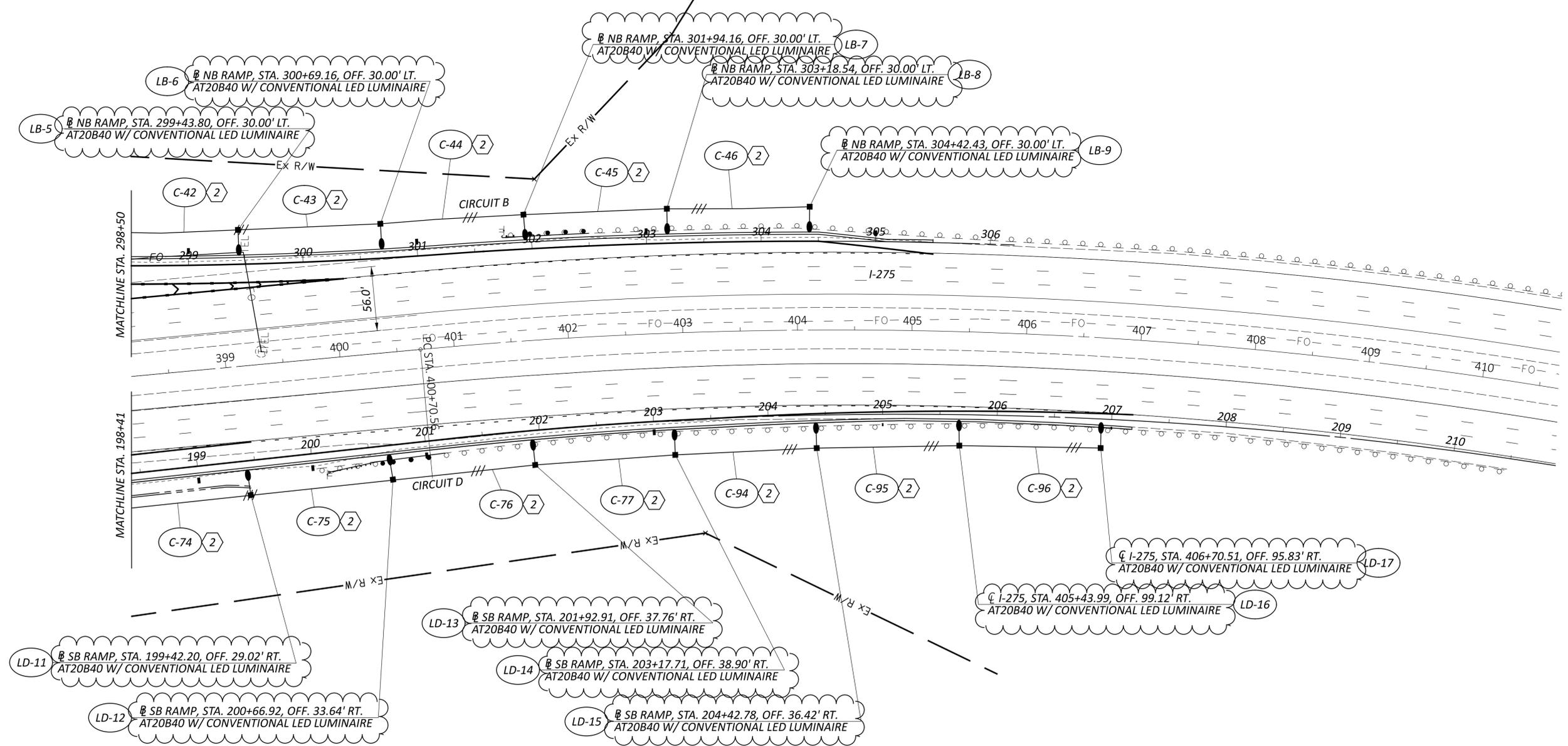
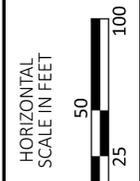
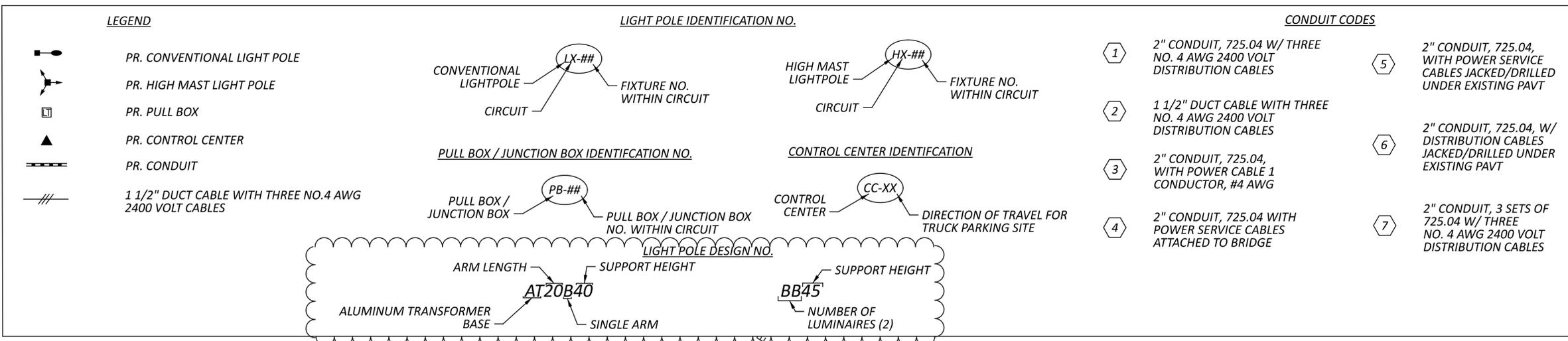
- 1 2" CONDUIT, 725.04 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
- 2 1 1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
- 3 2" CONDUIT, 725.04, WITH POWER CABLE 1 CONDUCTOR, #4 AWG
- 4 2" CONDUIT, 725.04 WITH POWER SERVICE CABLES ATTACHED TO BRIDGE
- 5 2" CONDUIT, 725.04, WITH POWER SERVICE CABLES JACKED/DRILLED UNDER EXISTING PAVT
- 6 2" CONDUIT, 725.04, W/ DISTRIBUTION CABLES JACKED/DRILLED UNDER EXISTING PAVT
- 7 2" CONDUIT, 3 SETS OF 725.04 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES



CONDUIT C-34 TO BE INSTALLED BELOW THE UNDERDRAIN (48" BELOW THE FINAL GRADE)

LIGHTING PLAN - NORTHBOUND & SOUTHBOUND  
STA. 186+39 TO STA. 198+41 & STA. 286+00 TO STA. 298+50

DESIGN AGENCY	2LMN
DESIGNER	DJD
REVIEWER	EMW 12/5/25
PROJECT ID	122892
SHEET TOTAL	P.181   191



**LIGHTING PLAN - NORTHBOUND & SOUTHBOUND**  
 STA. 198+41 TO STA. 203+50 & STA. 298+50 TO STA. 306+00

DESIGN AGENCY	<b>2LMN</b>
DESIGNER	DJD
REVIEWER	EMW 12/5/25
PROJECT ID	122892
SHEET TOTAL	P.182   191