

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
LIGHTING PLANS
STRUCTURE PLANS

INDEX OF LIGHTING PLANS

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GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2025-26 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

APPLICABLE IRs:

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2025-26 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

FINANCIAL PROJECT ID 436656-1-52-01

POLK COUNTY (16929015)
NEW YORK AVENUE PEDESTRIAN OVERPASS
FROM MAIN STREET TO LAKE WIRE DRIVE

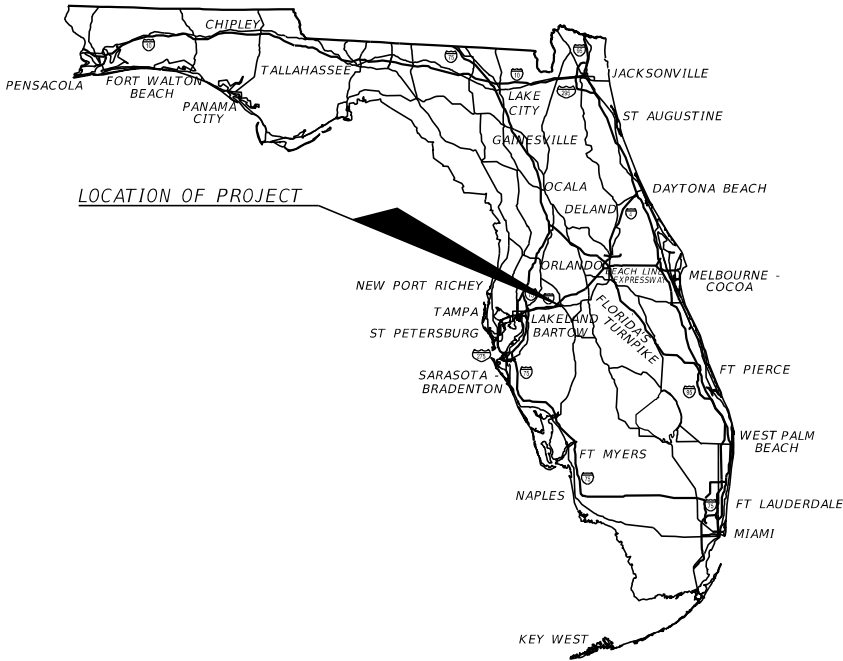
PROJECT LOCATION URL: <https://goo.gl/maps/WEnjv7B3ok4XN7Vj7>

PROJECT LIMITS: BEGIN PROJECT 10+63.35
END PROJECT 14+77.56

EXCEPTIONS: NONE

BRIDGE LIMITS: NEW YORK AVENUE PEDESTRIAN
OVERPASS AT CSX RAILROAD

RAILROAD CROSSING: CSX CROSSING NUMBER 976925H
RR MP A 851.01

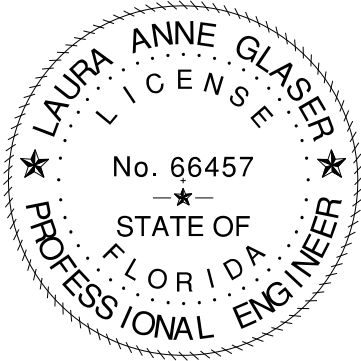


LIGHTING PLANS
ENGINEER OF RECORD:

LAURA ANNE GLASER, P.E. NO.: 66457
JACOBS ENGINEERING GROUP, INC.
200 S. ORANGE AVENUE, SUITE 900
ORLANDO, FL 32801
407-903-5001
CONTRACT NO.: C9J72
VENDOR NO.: 95-4081636

FDOT PROJECT MANAGER:
RICHARD HOWARD Jr., P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
E1W98	26	L-1



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

JACOBS ENGINEERING GROUP INC.
200 S. ORANGE AVENUE, SUITE 900
ORLANDO, FL 32801
LAURA ANNE GLASER, P.E. 66457

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

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REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					N/A	POLK	436656-1-52-01		L-2

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS															TOTAL THIS SHEET	
			L - 9		L - 10		L - 11		L - 12		L - 13		L - 14		L - 15				
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	380										8		8		396		
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	60														60		
0630 2 14	CONDUIT, FURNISH & INSTALL, ABOVE GROUND	LF					115										115		
0630 2 16	CONDUIT, FURNISH & INSTALL, EMBEDDED CONCRETE BARRIERS AND TRAFFIC RAILINGS	LF			31		38		53		34		49		50		255		
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	12														12		
0635 3 12	JUNCTION BOX, FURNISH & INSTALL, MOUNTED	EA					1										1		
0635 3 13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA	8		15		3		10		16						52		
0639 1 122	ELECTRICAL POWER SERVICE, FURNISH & INSTALL, UNDERGROUND, PURCHASED BY CONTRACTOR FROM POWER COMPANY	AS	1														1		
0715 1 11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR <	LF			93		459		177		102		147		150		1128		
0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	2664										24		24		2712		
0715 1 13	LIGHTING CONDUCTORS, F&I, INSULATED NO.4 TO NO 2'	LF	50														50		
0715 11 129	LUMINAIRE WITHOUT ARM OR POLE, F&I, UNDERDECK, SPECIAL DESIGN	EA					3										3		
0715 11 115	LUMINAIRE WITHOUT ARM OR POLE, F&I, ROADWAY, WALL MOUNT	EA			14				6		16						36		
0715 511 112	LIGHT POLE COMPLETE - SPECIAL DESIGN, F&I FOUNDATION, SINGLE ARM, AL, 12' MH	EA					1		2								3		
0715 511 114	LIGHT POLE COMPLETE - SPECIAL DESIGN, F&I FOUNDATION, SINGLE ARM, AL, 14' MH	EA					1										1		
0715 500 3	POLE CABLE DISTRIBUTION SYSTEM, WALL MOUNT	EA			14				6		16						36		
641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	1														1		

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			L - 16		L - 17													
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	10		8										18		414	
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF															60	
0630 2 14	CONDUIT, FURNISH & INSTALL, ABOVE GROUND	LF															115	
0630 2 16	CONDUIT, FURNISH & INSTALL, EMBEDDED CONCRETE BARRIERS AND TRAFFIC RAILINGS	LF	55		59										114		369	
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA															12	
0635 3 12	JUNCTION BOX, FURNISH & INSTALL, MOUNTED	EA															1	
0635 3 13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA															52	
0639 1 122	ELECTRICAL POWER SERVICE, FURNISH & INSTALL, UNDERGROUND, PURCHASED BY CONTRACTOR FROM POWER COMPANY	AS															1	
0715 1 11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR <	LF	165		24										189		1317	
0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	30		177										207		2919	
0715 1 13	LIGHTING CONDUCTORS, F&I, INSULATED NO.4 TO NO 2'	LF															50	
0715 11 129	LUMINAIRE WITHOUT ARM OR POLE, F&I, UNDERDECK, SPECIAL DESIGN	EA															3	
0715 11 115	LUMINAIRE WITHOUT ARM OR POLE, F&I, ROADWAY, WALL MOUNT	EA															36	
0715 511 112	LIGHT POLE COMPLETE - SPECIAL DESIGN, F&I FOUNDATION, SINGLE ARM, AL, 12' MH	EA															3	
0715 511 114	LIGHT POLE COMPLETE - SPECIAL DESIGN, F&I FOUNDATION, SINGLE ARM, AL, 14' MH	EA															1	
0715 500 3	POLE CABLE DISTRIBUTION SYSTEM, WALL MOUNT	EA															36	
641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA															1	

REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					N/A	POLK	436656-1-52-01		L-3

\$USERS\$

\$DATES\$ \$TIMES\$ \$MODELNAME\$

\$FILES\$

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LIGHTING GENERAL NOTES

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. SUBMIT POINT-TO-POINT LUMINAIRE PHOTOMETRICS FOR ALTERNATIVE LUMINAIRES PROPOSED.
3. REFER TO ROADWAY PLANS FOR UTILITY CONTACT INFORMATION.
4. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE AND BASED ON THE INFORMATION FURNISHED TO THE ENGINEER BY THE UTILITY OWNER(S) AND ARE SHOWN AS NOTICE TO THE CONTRACTOR THAT UNDERGROUND UTILITIES EXIST. BEFORE EXCAVATING, NOTIFY THE UTILITY COMPANY OWNER(S) AND REQUEST THEM TO LOCATE AND STAKE THEIR UNDERGROUND FACILITIES. UTILITIES ARE TO BE ADJUSTED BY OTHERS AS DIRECTED BY THE ENGINEER.
5. PROVIDE NOTICE TO THE UTILITY OWNER(S) BEFORE EXCAVATION, NOTICE TO BE GIVEN TO THE UTILITY OWNER A MINIMUM OF TWO (2) DAYS. EXCLUDING SATURDAY, SUNDAY AND LEGAL HOLIDAYS. NOT ALL UTILITY COMPANIES ARE MEMBERS OF "SUNSHINE" (1-800-432-4770). WWW.SUNSHINE811.COM.
6. THE LOCATION OF THE POLES, CONDUCTORS, CONDUITS, JUNCTION BOXES AND SERVICE POLES ARE DIAGRAMMATIC ONLY AND MAY BE SHIFTED BY THE CONTRACTOR TO ACCOMMODATE LOCAL CONDITIONS AND EXISTING UTILITY LOCATIONS.
7. FOR ALTERNATIVE PROPOSED LUMINAIRES, SUBMITTAL DATA SHALL INCLUDE COMPUTER PRINTOUTS SHOWING POINT-TO-POINT HORIZONTAL/VERTICAL FOOT-CANDLE LEVELS TO BE OBTAINED ON THIS PROJECT. LIGHTING DESIGN ANALYSIS REPORT SHALL BE USED, IF NO ALTERNATIVE LUMINAIRES ARE PROPOSED. AT FINAL INSPECTION, THE CONTRACTOR SHALL VERIFY THE HORIZONTAL/VERTICAL FOOT-CANDLE LEVELS ON THE PEDESTRIAN PATHWAY WITH AN APPROVED AND PROPERLY CALIBRATED LIGHT METER.
8. ALL ELECTRICAL WORK SHALL MEET ALL REQUIREMENTS OF THE LATEST ADOPTED EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL SAFETY CODE, AND THE STATE OF FLORIDA D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER N.E.C. REQUIREMENTS.
9. INSTALL SURGE PROTECTIVE DEVICES. PROPERLY GROUNDED IN POWER (SECONDARY) ENTRANCES.
10. IN ACCORDANCE WITH N.E.C., IDENTIFY ALL CIRCUITS AND EQUIPMENT WITH "LAMACOID TAGS". INSTALL SIMILAR TAGS OF STAINLESS STEEL, IDENTIFYING CIRCUIT FOR EACH LUMINAIRE AT ACCESS HANDHOLE FOR EACH POLE.
11. NOTIFY POWER COMPANY AT LEAST 48 HOURS PRIOR TO ANY INSTALLATION THAT IS WITHIN 10 FEET OF ENERGIZED ELECTRICAL CONDUCTORS. POWER COMPANY, AT ITS OPTION, SHALL ASSIST THE F.D.O.T. CONTRACTOR TO COVER UP ENERGIZED CONDUCTORS AT INSTALLATION SITE OR TAKE OTHER SAFETY PRECAUTIONS AS NECESSARY. EXTREME CAUTION SHALL BE EXERCISED AT ALL TIMES IN PERFORMANCE OF WORK AROUND THE PRIMARY, HIGH VOLTAGE COMPONENTS.
12. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN RECOMMENDED BY N.E.C. OR N.E.S.C. FOR CABLE USED. PULL CABLE SHALL BE POLYESTER. STEEL CABLE OR FISH TAPES NOT ALLOWED.
13. ALL CONDUIT TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVIDE SAFE CROSSING BY THE END OF EACH WORKING DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE. DO NOT OPEN ANY AREA THAT CAN NOT BE BACKFILLED IN THE SAME DAY/NIGHT OPERATION.
14. THE LIGHTING SYSTEM WILL BE MAINTAINED BY POLK COUNTY UPON FINAL ACCEPTANCE.
15. WHEN THE SOIL IS EXPOSED, PREPARE TEMPORARY STABILIZATION AS SOON AS PRACTICABLE. BUT IN NO CASE SHALL THE TIME BE GREATER THAN SEVEN (7) CALENDAR DAYS.

16. CONDUIT LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. CONDUIT CAN BE ADJUSTED TO FIT AROUND THE EXISTING AND PROPOSED UTILITIES. WHERE PLANNED LOCATION OF LIGHTING CONDUIT RUNNING 30" UNDER PAVEMENT IS FOUND TO CONFLICT WITH UNDERGROUND UTILITIES. THE LIGHTING CONDUIT POSITION SHALL BE ALTERED VERTICALLY OR HORIZONTALLY TO AVOID THE CONFLICT AS RECOMMENDED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. A 24" ABSOLUTE MINIMUM DEPTH SHALL BE MAINTAINED WHERE LIGHTING CONDUITS ARE RELOCATED CLOSER THAN 30" BELOW THE GROUND SURFACE AND SHALL BE PLACED IN AN ADDITIONAL 3" PVC SLEEVE OR BACKFILLED WITH A MIN. OF 4"x4" OF CONCRETE. COST OF SUCH TREATMENT WILL BE INCIDENTAL TO PAY ITEMS PROVIDED. ALL SPLICES SHALL BE MADE IN PULL BOXES ONLY.
17. SPLICES AND CONNECTIONS MADE IN PULL BOXES AND JUCTION BOXES SHALL BE LIMITED TO THE SERVICE POINT AND CONDUIT JUNCTION WITH MULTI-DIRECTIONAL CONDUITS AS INDICATED ON PLANS. THE CONNECTION MADE AT THESE POINTS SHALL BE MADE PER FDOT SPECIFICATIONS.
18. ALL CONDUITS SHALL BE MANDREL TESTED AND CLEANED. CONDUITS PLACED FOR FUTURE USE SHALL HAVE. 3/4" POLYESTER CORD PULLED IN PLACE AND CAPPED WITH NOTATION INSIDE CONDUIT AS TO LOCATION OF OPPOSITE END. PLACE DUCT MARKER OR PULL BOXES TO MARK ENDS OF EMPTY CONDUI TS.
19. ALL LIGHT POLES, PULL BOXES AND LOAD CENTERS SHALL NOT BE INSTALLED WITHIN ANY AREAS (I.E. DITCHES, ETC.) THAT MAY CAUSE WATER INTRUSION.
20. AS PART OF THE 7 DAY TEST BURNING PERIOD, EACH CIRCUIT SHALL BE LABELED WITH THE LOAD AMPERAGE READING AT THE LOAD CENTER PANEL.
21. INSPECT ALIGNMENT OF EACH INDIVIDUAL POLE AND FIXTURE AS FOLLOWS:

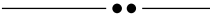
POLE ALIGNMENT: WITHIN ONE HALF DEGREE ON VERTICAL +/-, CONFIRM VERTICAL ALIGNMENT. VIEWING FROM ADJACENT SERIES OF POLES IN BOTH DIRECTIONS.

FIXTURE ALIGNMENT: WITHIN ONE DEGREE OF HORIZONTAL +/-, USING CALIBRATED LEVEL ALONG BOTH AXES OF CUT-OFF FIXTURE FACE, WITH LENS ONLY. NO FIXTURE REFRACTOR SHALL BE USED
22. FOR RAILROAD REQUIREMENTS, REFER TO ROADWAY PLANS - RAIL GENERAL PLAN NOTES (SHEET 15).
23. REVIEW STRUCTURAL DRAWINGS FOR CORBEL MOUNTING DETAILS AND EMBEDDED CONDUIT DETAILS.

CONVENTIONAL LIGHTING DESIGN CRITERIA

(FACILITIES SEPARATED FROM THE ROADWAY) NEW YORK PEDESTRIAN BRIDGE LIGHTING	
HORIZONTAL ILLUMINATION: AVERAGE INITIAL INTENSITY (H.F.C.)	2.5 FOOT CANDLES (STANDARD)
UNIFORMITY RATIO AVG. /MIN MAX./MIN	4:1 OR LESS 10:1 OR LESS
WIND SPEED	140 M.P.H.

LEGEND

SYMBOLS	DESCRIPTION
	POLE-MOUNT LED LUMINAIRE ON CORBEL STRUCTURE. ALUMINUM POLE WITH IDENTIFICATION TAG. LUMINAIRE WITH 24.18 WATT LOAD, 3000K COLOR TEMPERATURE, TYPE III MEDIUM DISTRIBUTION, TRAY-MOUNTED INTEGRAL DRIVER WIRED FOR 120-277 MULTI-VOLT OPERATION. BASIS OF DESIGN LUMINAIRE: SIGNIFY LUMEC RFS 24.18W LED; PHOTOMETRIC CURVE RFS-25W16LED3K-G2-R3S.IES. SYMBOL INCLUDES: LUMINAIRE, ALUMINUM POLE, CORBEL MOUNT, PULL BOX (PAID FOR SEPARATELY), POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), AND GROUNDING PER FDOT STANDARDS.
	DECORATIVE WALL-MOUNTED LED LUMINAIRE WITH 12 WATT LOAD, 3000K COLOR TEMPERATURE, TYPE IV DISTRIBUTION, INTEGRAL DRIVER WIRED FOR 120-277 MULTI-VOLT OPERATION. BASIS OF DESIGN LUMINAIRE: SIGNIFY GUARDCO 101L 12W LED; PHOTOMETRIC CURVE 101L-16L-200-NW-G2-4.IES. SYMBOL INCLUDES: LUMINAIRE, BACK BOX, AND GROUNDING PER FDOT STANDARDS. MOUNT 7.2' ABOVE RAMP/LANDING.
	WET-LOCATION INDUSTRIAL LED LUMINAIRE WITH 52 WATT LOAD, 3000K COLOR TEMPERATURE, TYPE V DISTRIBUTION, INTEGRAL DRIVER WIRED FOR 120-277 MULTI-VOLT OPERATION. BASIS OF DESIGN LUMINAIRE: COOPER VALET VPL 52W LED; PHOTOMETRIC CURVE VPL-E02-LED-E1-SQ-7030.IES SYMBOL INCLUDES: LUMINAIRE, BACK BOX, AND GROUNDING PER FDOT STANDARD. SURFACE-MOUNT LUMINAIRE TO UNDERSIDE OF THE OVERPASS'S PROTECTIVE FENCING ENCLOSURE.
	PROPOSED LOAD CENTER, PHOTOCELL REQUIRED – SEE FDOT STANDARD PLANS 639-001, 639-002, AND 676-010 FOR DETAILS.
	PULL BOX- FOR SPECIFICATION SEE SECTION 635 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES, FOR REQUIREMENTS SEE STANDARD PLANS 635-001 AND 715-001 FOR ADDITIONAL DETAILS. PULL BOX COVER SHALL BE MARKED "LIGHTING".
	JUNCTION BOX (LIGHTING) EMBEDDED IN STRUCTURE, BOX WILL BE 4"X4"X2"D
	PULL BOX OR POWER COMPANY HAND-HOLE FOR UNDERGROUND SERVICE CONNECTION, SEE SPECIFICATIONS SECTION 635 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES. FOR REQUIREMENTS SEE STANDARD PLANS 635-001 FOR ADDITIONAL DETAILS. PULL BOX COVER SHALL BE MARKED "LIGHTING".
	PROPOSED UTILITY POLE (SERVICE POINT)
	TRENCHED 2" SCH-40 PVC CONDUIT WITH 2 #6 PHASE AND 1 #6 GRD PER CIRCUIT. NUMBER OF CIRCUITS AS INDICATED ON THE PLANS. INSULATED GREEN GROUND CONDUCTORS SHALL BE USED UNLESS NOTED ON THE PLAN SHEETS. INSTALL CONDUIT PER FDOT STANDARDS.
	1" CONDUIT SURFACE MOUNTED WITH 2 #6 THWN-2 PHASE AND 1 #6 GROUND CONDUCTORS SHALL BE USED UNLESS NOTED ON THE PLAN SHEETS. INSTALL CONDUIT PER FDOT STANDARDS.
	1" EMBEDDED CONDUIT WITH 2 #10 PHASE AND 1 #10 GRD PER CIRCUIT. NUMBER OF CIRCUITS AS INDICATED ON THE PLANS. INSULATED GREEN GROUND CONDUCTORS SHALL BE USED UNLESS NOTED ON THE PLAN SHEETS. INSTALL CONDUIT PER FDOT STANDARDS.
	2-2" DIRECTIONAL BORE HDPE CONDUIT AT RAIL ROAD CROSSING WITH 2 #6 PHASE, 1 #6 GRD PER CIRCUIT. NUMBER OF CIRCUITS AS INDICATED ON PLANS. GREEN INSULATED BOND CONDUCTORS SHALL BE USED UNLESS OTHERWISE NOTED ON PLAN SHEETS. INSTALL UNDER RAILROAD PER FDOT STANDARDS.

REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES, LEGEND LIGHTING CRITERIA		SHEET NO. L-4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					N/A	POLK	436656-1-52-01			

\$USERS\$

\$DATES\$

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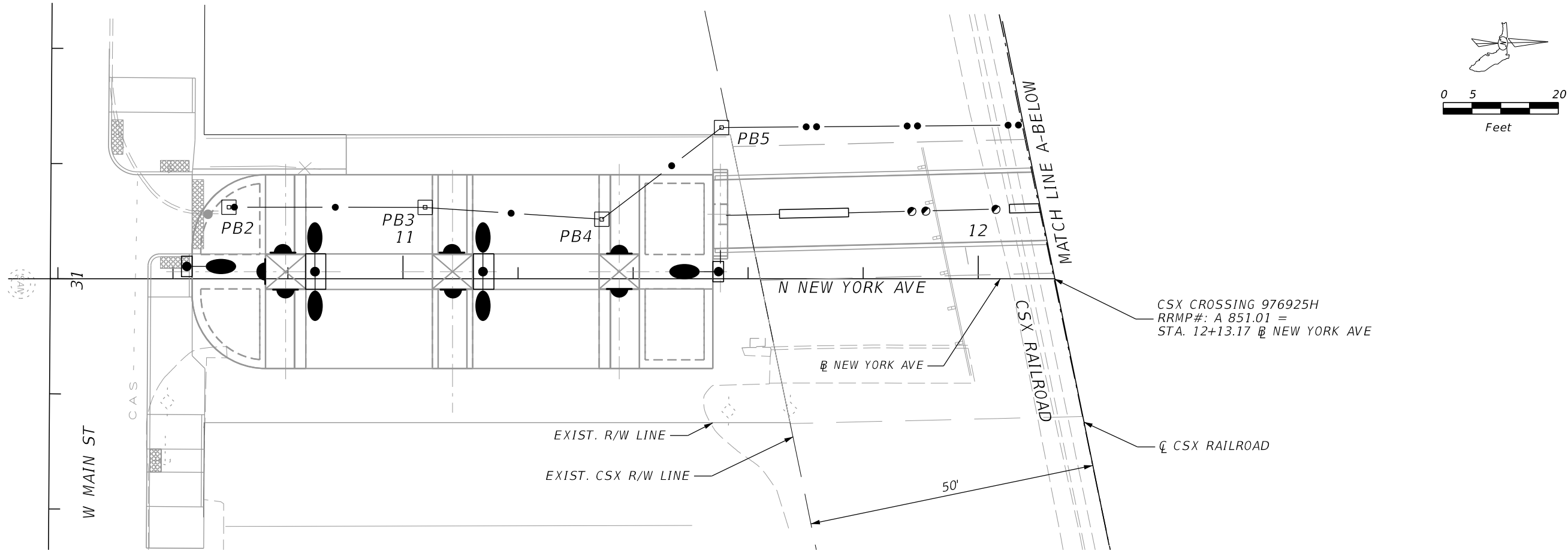
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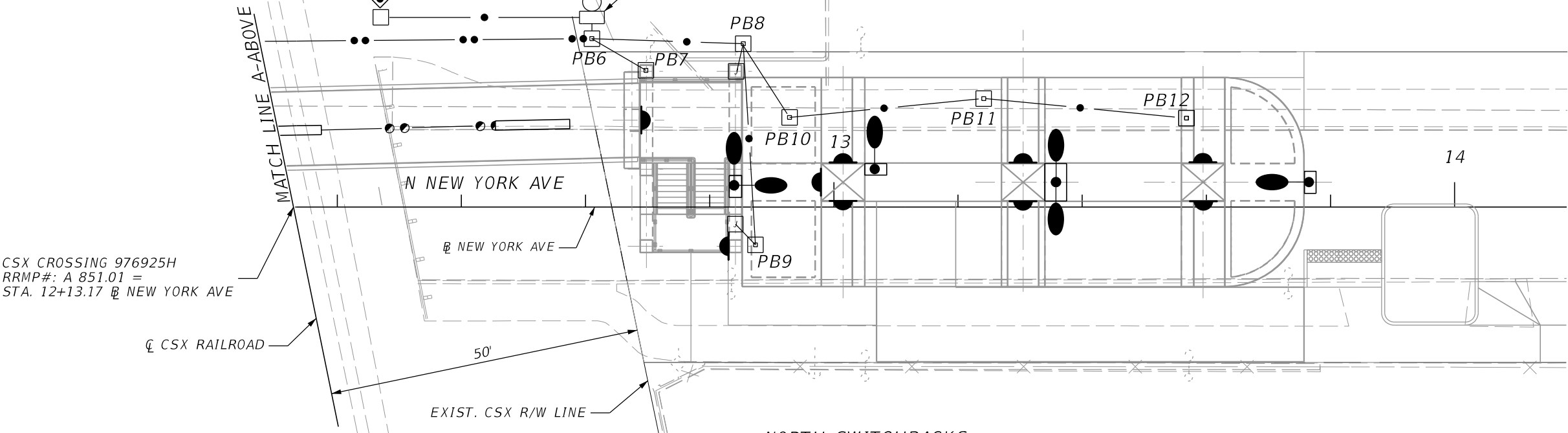
LIGHTING DATA TABLE																		
FIXTURE NO.	BASELINE	STATION	OFFSET	FOUNDATION TYPE	LOCATION	MOUNT HEIGHT ELEV	MAKE/MODEL	MOUNT HEIGHT (FT)	ORIENT	LUMENS	IES DIST TYPE	CCT(K)	LUMINAIRE WATTS	LUMINAIRE VOLTS	LOAD CENTER NO.	CIRCUIT NO.	MAINT. AGENCY	PAY ITEM
B01	NEW YORK AVE.	11+71.33	11.8' LT	CEILING MOUNT	OVERPASS	246.131	COOPER VPL-E02-LED-E1-SQ-7030	8	0	5600	VS	3000	52.1	120	1	4	FDOT	715 11 129
B02	NEW YORK AVE.	12+11.33	13.1' LT	CEILING MOUNT	OVERPASS	246.131	COOPER VPL-E02-LED-E1-SQ-7030	8	0	5600	VS	3000	52.1	120	1	4	FDOT	715 11 129
B03	NEW YORK AVE.	12+51.33	13.7' LT	CEILING MOUNT	OVERPASS	246.131	COOPER VPL-E02-LED-E1-SQ-7030	8	0	5600	VS	3000	52.1	120	1	4	FDOT	715 11 129
N-P08	NEW YORK AVE.	12+84.15	3.6' LT	POLE MOUNT	CORBEL SOUTH LANDING OF NORTH SWITCHBACK, RAMP 6 LANDING	247.907	SIGNIFY RFS-25W16LED3K-G2-R3S	12	0	3149	III	3000	24.18	120	1	3	FDOT	715 511 112
N-P09	NEW YORK AVE.	13+05.81	4.0' LT	POLE MOUNT	CORBEL PIER 8 RAMP 6	244.700	SIGNIFY RFS-25W16LED3K-G2-R3S	12	90	3149	III	3000	24.18	120	1	3	FDOT	715 511 112
N-P10	NEW YORK AVE.	13+34.81	4.9' LT	POLE MOUNT	CORBEL PIER 9 RAMP 6	242.600	SIGNIFY RFS-25W16LED3K-G2-R3S	12	90	3149	III	3000	24.18	120	1	5	FDOT	715 511 112
N-P11	NEW YORK AVE.	13+76.56	4.0' LT	POLE MOUNT	CORBEL NORTH LANDING OF NORTH SWITCHBACK, RAMP 6/7 LANDING	242.514	SIGNIFY RFS-25W16LED3K-G2-R3S	12	180	3149	III	3000	24.18	120	1	7	FDOT	715 511 112
N-WP15	NEW YORK AVE.	13+01.48	1.0' LT	SURFACE MOUNT	EAST FACE PIER 8, RAMP 7	234.944	SIGNIFY 101L-16L-200-WW-G2-4	7.2	270	1358	IV	3000	12	120	1	3	FDOT	715 11 115
N-WP16	NEW YORK AVE.	12+97.98	4.0' LT	SURFACE MOUNT	SOUTH FACE PIER 8, RAMP 7/8 LANDING	234.652	SIGNIFY 101L-16L-200-WW-G2-4	7.2	180	1358	IV	3000	12	120	1	3	FDOT	715 11 115
N-WP17	NEW YORK AVE.	13+01.48	7.0' LT	SURFACE MOUNT	WEST FACE PIER 8, RAMP 8	234.361	SIGNIFY 101L-16L-200-WW-G2-4	7.2	90	1358	IV	3000	12	120	1	3	FDOT	715 11 115
N-WP18	NEW YORK AVE.	13+30.5	7.0' LT	SURFACE MOUNT	WEST FACE PIER 9, RAMP 8	232.102	SIGNIFY 101L-16L-200-WW-G2-4	7.2	90	1358	IV	3000	12	120	1	5	FDOT	715 11 115
N-WP19	NEW YORK AVE.	13+59.5	7.0' LT	SURFACE MOUNT	WEST FACE PIER 10, RAMP 8	229.844	SIGNIFY 101L-16L-200-WW-G2-4	7.2	90	1358	IV	3000	12	120	1	7	FDOT	715 11 115
N-WP20	NEW YORK AVE.	13+63.0	4.0' LT	SURFACE MOUNT	NORTH FACE PIER 10, RAMP 8/9 LANDING	229.552	SIGNIFY 101L-16L-200-WW-G2-4	7.2	0	1358	IV	3000	12	120	1	7	FDOT	715 11 115
N-WP21	NEW YORK AVE.	13+59.5	1.0' LT	SURFACE MOUNT	EAST FACE PIER 10, RAMP 9	229.261	SIGNIFY 101L-16L-200-WW-G2-4	7.2	270	1358	IV	3000	12	120	1	7	FDOT	715 11 115
N-WP22	NEW YORK AVE.	13+30.5	1.0' LT	SURFACE MOUNT	EAST FACE PIER 9, RAMP 9	227.002	SIGNIFY 101L-16L-200-WW-G2-4	7.2	270	1358	IV	3000	12	120	1	5	FDOT	715 11 115
N-WP23	NEW YORK AVE.	13+01.48	1.0' LT	SURFACE MOUNT	EAST FACE PIER 8, RAMP 9	224.744	SIGNIFY 101L-16L-200-WW-G2-4	7.2	270	1358	IV	3000	12	120	1	3	FDOT	715 11 115
N-WP24	NEW YORK AVE.	12+97.98	4.0' LT	SURFACE MOUNT	SOUTH FACE PIER 8, RAMP 9/10 LANDING	224.452	SIGNIFY 101L-16L-200-WW-G2-4	7.2	180	1358	IV	3000	12	120	1	3	FDOT	715 11 115
N-WP25	NEW YORK AVE.	13+01.48	7.0' LT	SURFACE MOUNT	WEST FACE PIER 8, RAMP 10	224.161	SIGNIFY 101L-16L-200-WW-G2-4	7.2	90	1358	IV	3000	12	120	1	3	FDOT	715 11 115
N-WP26	NEW YORK AVE.	13+30.5	7.0' LT	SURFACE MOUNT	WEST FACE PIER 9, RAMP 10	221.902	SIGNIFY 101L-16L-200-WW-G2-4	7.2	90	1358	IV	3000	12	120	1	5	FDOT	715 11 115
N-WP27	NEW YORK AVE.	13+59.5	7.0' LT	SURFACE MOUNT	WEST FACE PIER 10, RAMP 10	219.644	SIGNIFY 101L-16L-200-WW-G2-4	7.2	90	1358	IV	3000	12	120	1	7	FDOT	715 11 115
N-WP28	NEW YORK AVE.	13+63.0	4.0' LT	SURFACE MOUNT	NORTH FACE PIER 10, RAMP 10/11 LANDING	219.352	SIGNIFY 101L-16L-200-WW-G2-4	7.2	0	1358	IV	3000	12	120	1	7	FDOT	715 11 115
N-WP29	NEW YORK AVE.	13+59.5	1.0' LT	SURFACE MOUNT	EAST FACE PIER 10, RAMP 11	219.061	SIGNIFY 101L-16L-200-WW-G2-4	7.2	270	1358	IV	3000	12	120	1	7	FDOT	715 11 115
N-WP30	NEW YORK AVE.	13+30.5	1.0' LT	SURFACE MOUNT	EAST FACE PIER 9, RAMP 11	216.802	SIGNIFY 101L-16L-200-WW-G2-4	7.2	270	1358	IV	3000	12	120	1	5	FDOT	715 11 115
REVISIONS						LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				POLE DATA TABLE					SHEET NO.	
DATE	DESCRIPTION			DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	L-5							
								N/A	POLK	436656-1-52-01								

LIGHTING DATA TABLE																			
FIXTURE NO.	BASELINE	STATION	OFFSET	FOUNDATION TYPE	LOCATION	MOUNT HEIGHT ELEV	MAKE/MODEL	MOUNT HEIGHT (FT)	ORIENT	LUMENS	IES DIST TYPE	CCT(K)	LUMINAIRE WATTS	LUMINAIRE VOLTS	LOAD CENTER NO.	CIRCUIT NO.	MAINT. AGENCY	PAY ITEM	
N-WP31	NEW YORK AVE	13+01.48	1.0' LT	SURFACE MOUNT	EAST FACE PIER 8, RAMP 11	214.544	SIGNIFY 101L-16L-200-WW-G2-4	7.2	270	1358	IV	3000	12	120	1	3	FDOT	715 11 115	
N-WP32	NEW YORK AVE	12+83.15	6.3' RT	SURFACE MOUNT	SOUTH FACE PIER 7, LANDING 4	239.697	SIGNIFY 101L-16L-200-WW-G2-4	7.2	180	1358	IV	3000	12	120	1	6	FDOT	715 11 115	
N-WP33	NEW YORK AVE	12+68.73	13.9' LT	SURFACE MOUNT	NORTH FACE PIER 5, LANDING 3	234.280	SIGNIFY 101L-16L-200-WW-G2-4	7.2	0	1358	IV	3000	12	120	1	6	FDOT	715 11 115	
N-WP34	NEW YORK AVE	12+83.15	6.3' RT	SURFACE MOUNT	SOUTH FACE PIER 7, LANDING 2	228.863	SIGNIFY 101L-16L-200-WW-G2-4	7.2	180	1358	IV	3000	12	120	1	6	FDOT	715 11 115	
N-WP35	NEW YORK AVE	12+68.73	13.9' LT	SURFACE MOUNT	NORTH FACE PIER 5, LANDING 1	223.447	SIGNIFY 101L-16L-200-WW-G2-4	7.2	0	1358	IV	3000	12	120	1	6	FDOT	715 11 115	
N-WP36	NEW YORK AVE	12+83.15	6.3' RT	SURFACE MOUNT	SOUTH FACE PIER 7, GROUND LEVEL	218.030	SIGNIFY 101L-16L-200-WW-G2-4	7.2	180	1358	IV	3000	12	120	1	6	FDOT	715 11 115	
S-P03	NEW YORK AVE	10+62.51	1.2' LT	POLE MOUNT	CORBEL SOUTH LANDING OF SOUTH SWITCHBACK, RAMP 4/5 LANDING	242.562	SIGNIFY RFS-25W16LED3K-G2-R3S	12	0	3149	III	3000	24.18	120	1	1	FDOT	715 511 112	
S-P04	NEW YORK AVE	10+83.93	2' LT	POLE MOUNT	CORBEL PIER 1 RAMP 5	239.400	SIGNIFY RFS-25W16LED3K-G2-R3S	14	90	3149	III	3000	24.18	120	1	1	FDOT	715 511 114	
S-P05	NEW YORK AVE	11+14.18	2' LT	POLE MOUNT	CORBEL PIER 2 RAMP 5	243.000	SIGNIFY RFS-25W16LED3K-G2-R3S	12	90	3149	III	3000	24.18	120	1	2	FDOT	715 511 112	
S-P06	NEW YORK AVE	11+54.68	1.2' LT	POLE MOUNT	CORBEL NORTH LANDING OF SOUTH SWITCHBACK, RAMP 5	247.955	SIGNIFY RFS-25W16LED3K-G2-R3S	12	180	3149	III	3000	24.18	120	1	4	FDOT	715 511 112	
S-WP01	NEW YORK AVE	10+76.10	1.2' LT	SURFACE MOUNT	SOUTH FACE PIER 1, BEGIN SOUTH SWITCHBACK	219.400	SIGNIFY 101L-16L-200-WW-G2-4	7.2	180	1358	IV	3000	12	120	1	1	FDOT	715 11 115	
S-WP02	NEW YORK AVE	10+79.6	4.2' LT	SURFACE MOUNT	WEST FACE PIER 1, RAMP 1	219.692	SIGNIFY 101L-16L-200-WW-G2-4	7.2	90	1358	IV	3000	12	120	1	1	FDOT	715 11 115	
S-WP03	NEW YORK AVE	11+08.6	4.2' LT	SURFACE MOUNT	WEST FACE PIER 2, RAMP 1	221.950	SIGNIFY 101L-16L-200-WW-G2-4	7.2	90	1358	IV	3000	12	120	1	2	FDOT	715 11 115	
S-WP04	NEW YORK AVE	11+37.6	4.2' LT	SURFACE MOUNT	WEST FACE PIER 3, RAMP 1	224.208	SIGNIFY 101L-16L-200-WW-G2-4	7.2	90	1358	IV	3000	12	120	1	4	FDOT	715 11 115	
S-WP05	NEW YORK AVE	11+41.1	1.2' LT	SURFACE MOUNT	NORTH FACE PIER 3, RAMP 1/2 LANDING	224.500	SIGNIFY 101L-16L-200-WW-G2-4	7.2	0	1358	IV	3000	12	120	1	4	FDOT	715 11 115	
S-WP06	NEW YORK AVE	11+37.6	1.8' RT	SURFACE MOUNT	EAST FACE PIER 3, RAMP 2	224.792	SIGNIFY 101L-16L-200-WW-G2-4	7.2	270	1358	IV	3000	12	120	1	4	FDOT	715 11 115	
S-WP07	NEW YORK AVE	11+08.6	1.8' RT	SURFACE MOUNT	EAST FACE PIER 2, RAMP 2	227.050	SIGNIFY 101L-16L-200-WW-G2-4	7.2	270	1358	IV	3000	12	120	1	2	FDOT	715 11 115	
S-WP08	NEW YORK AVE	10+79.6	1.8' RT	SURFACE MOUNT	EAST FACE PIER 1, RAMP 2	229.308	SIGNIFY 101L-16L-200-WW-G2-4	7.2	270	1358	IV	3000	12	120	1	1	FDOT	715 11 115	
S-WP09	NEW YORK AVE	10+76.0	1.2' LT	SURFACE MOUNT	SOUTH FACE PIER 1, RAMP 2/3 LANDING	229.600	SIGNIFY 101L-16L-200-WW-G2-4	7.2	180	1358	IV	3000	12	120	1	1	FDOT	715 11 115	
S-WP10	NEW YORK AVE	10+79.6	4.2' LT	SURFACE MOUNT	WEST FACE PIER 1, RAMP 3	229.892	SIGNIFY 101L-16L-200-WW-G2-4	7.2	90	1358	IV	3000	12	120	1	1	FDOT	715 11 115	
S-WP11	NEW YORK AVE	11+08.6	4.2' LT	SURFACE MOUNT	WEST FACE PIER 2, RAMP 3	232.150	SIGNIFY 101L-16L-200-WW-G2-4	7.2	90	1358	IV	3000	12	120	1	2	FDOT	715 11 115	
S-WP12	NEW YORK AVE	11+37.6	4.2' LT	SURFACE MOUNT	WEST FACE PIER 3, RAMP 3	234.408	SIGNIFY 101L-16L-200-WW-G2-4	7.2	90	1358	IV	3000	12	120	1	4	FDOT	715 11 115	
S-WP13	NEW YORK AVE	11+41.1	1.2' LT	SURFACE MOUNT	NORTH FACE PIER 3, RAMP 3/4 LANDING	234.700	SIGNIFY 101L-16L-200-WW-G2-4	7.2	0	1358	IV	3000	12	120	1	4	FDOT	715 11 115	
S-WP14	NEW YORK AVE	11+37.6	1.8' RT	SURFACE MOUNT	EAST FACE PIER 3, RAMP 4	234.992	SIGNIFY 101L-16L-200-WW-G2-4	7.2	270	1358	IV	3000	12	120	1	4	FDOT	715 11 115	
REVISIONS						LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				LIGHTING DATA TABLE					SHEET NO.	
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									N/A	POLK	436656-1-52-01								



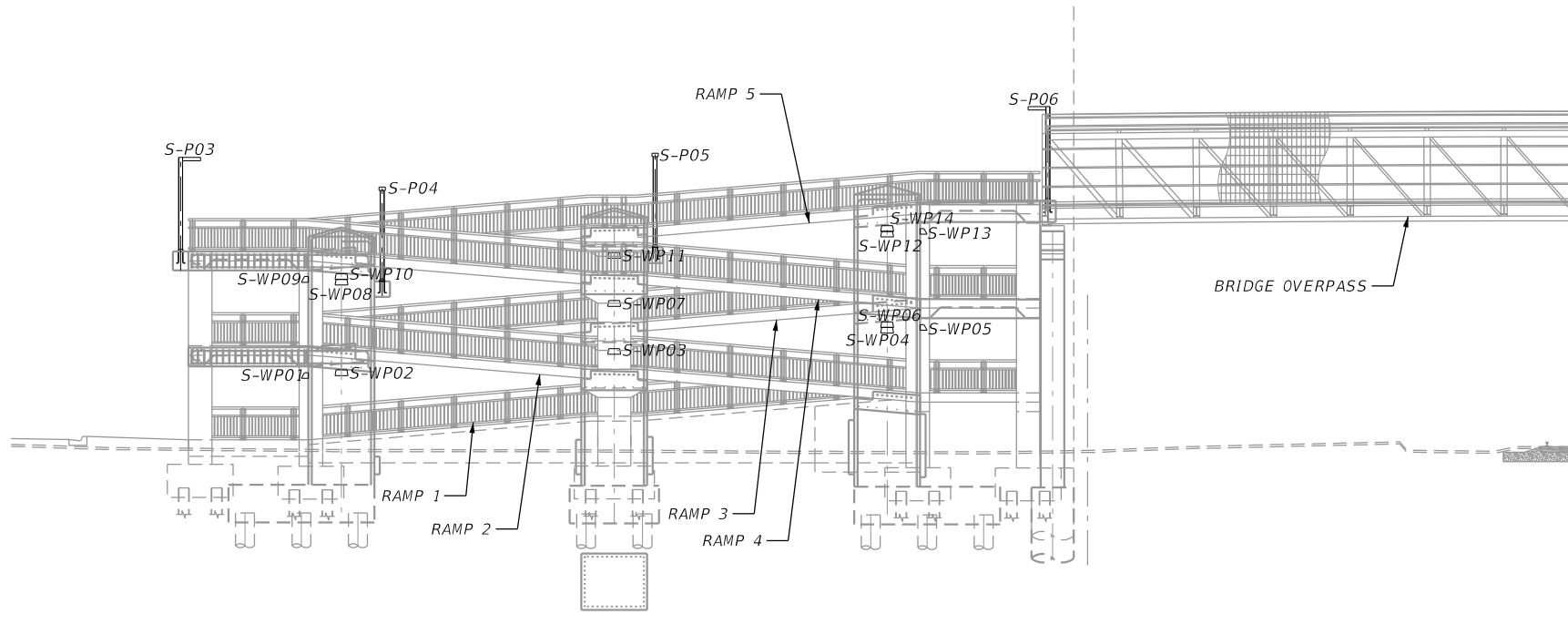
PROPOSED SERVICE POINT
240/120V, SINGLE PHASE, 3 WIRE

PROPOSED LOAD CONTROLLER 1.
SEE LOAD CENTER DETAILS
ON SHEET L-18



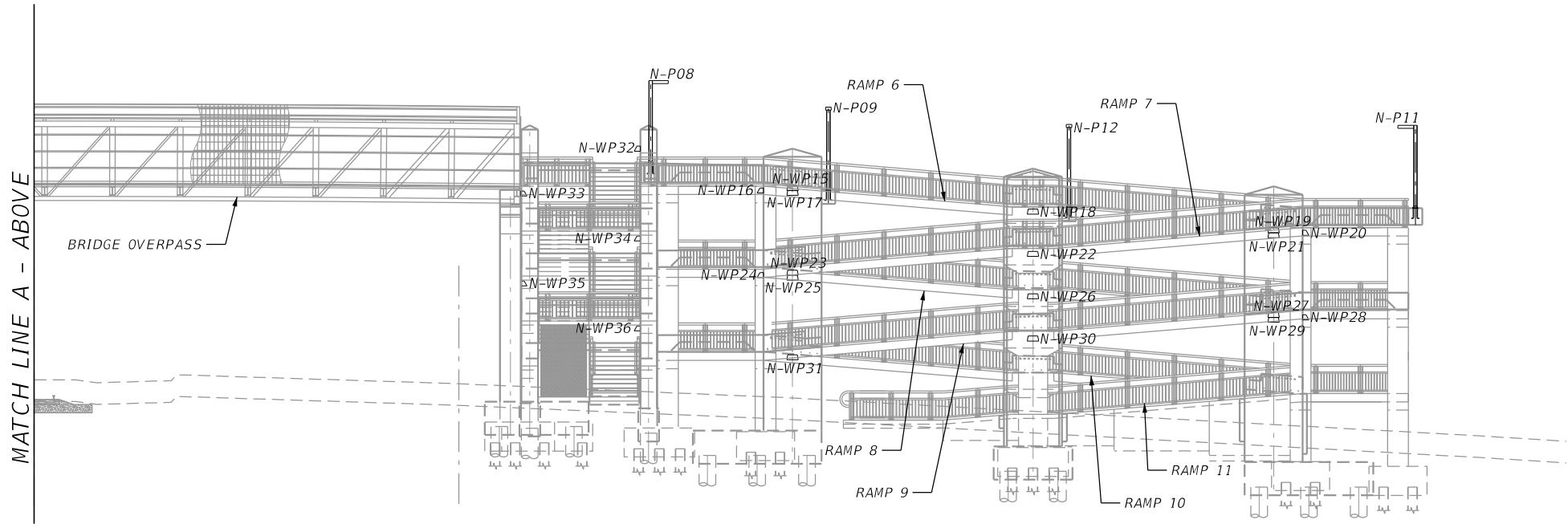
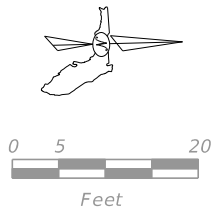
NOTES:
PROVIDE AN HDD PLAN AND FRACTION
MITIGATION PLAN TO CSX/BENESCH FOR
REVIEW/ACCEPTANCE.

REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-7
					N/A	POLK	436656-1-52-01		



ELEVATION SOUTH SWITCHBACK

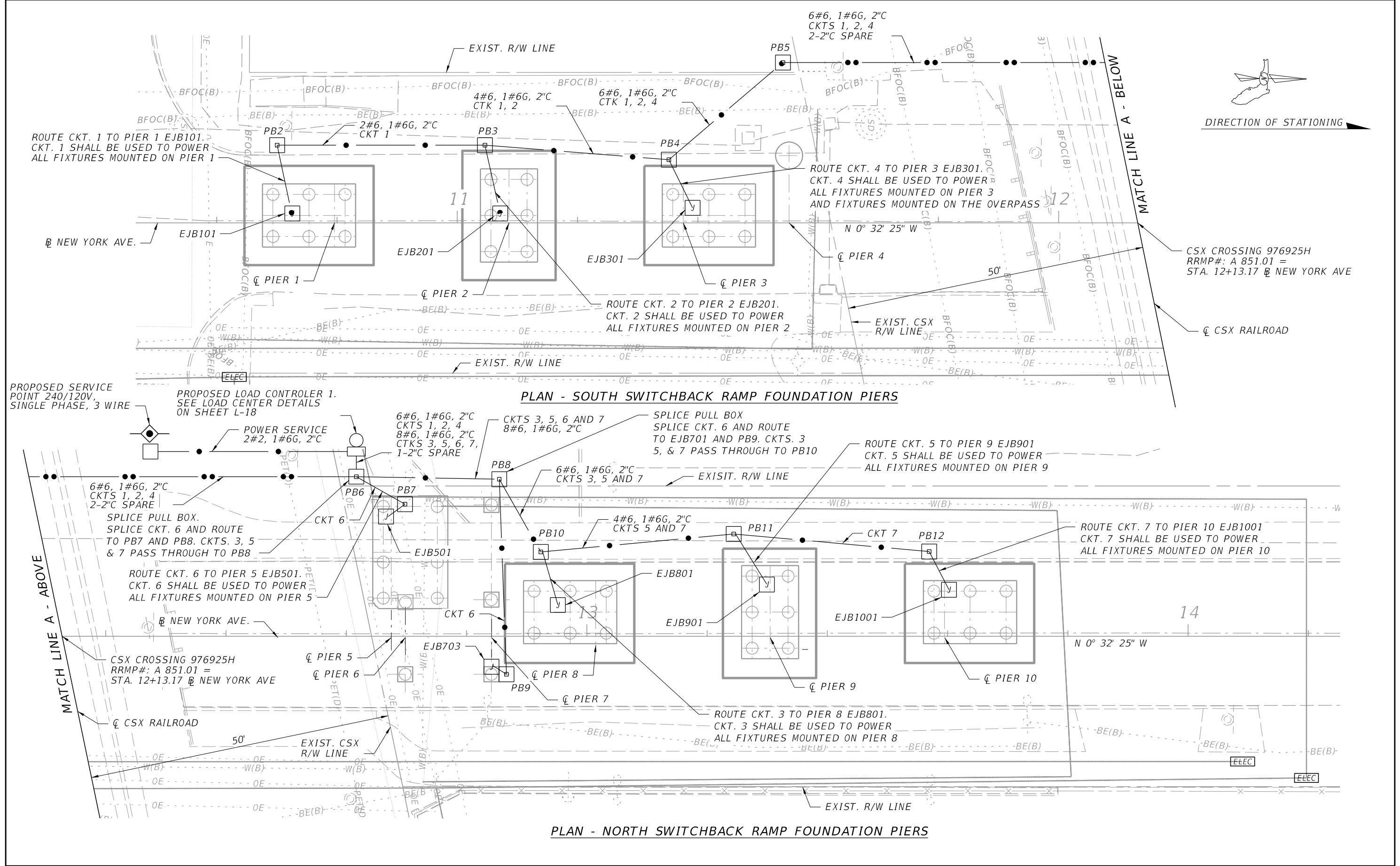
MATCH LINE A - BELOW



ELEVATION NORTH SWITCHBACK

MATCH LINE A - ABOVE

REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NEW YORK PEDESTRIAN BRIDGE LIGHTING DETAIL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-8
					N/A	POLK	436656-1-52-01		



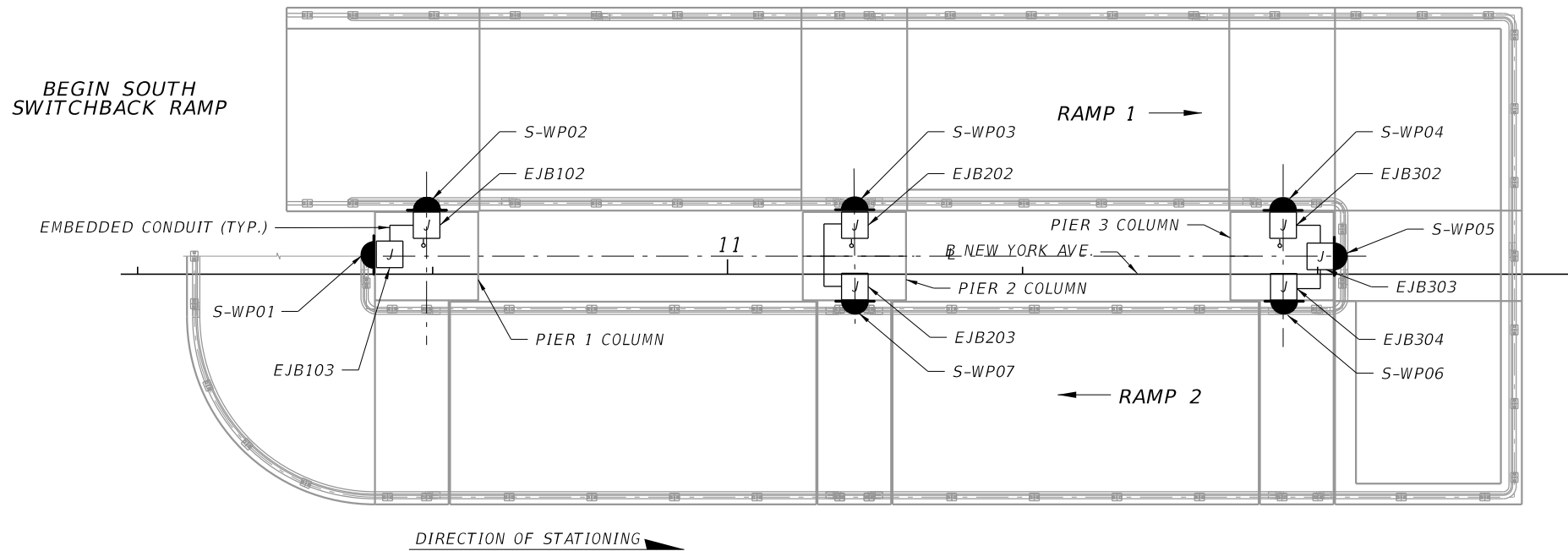
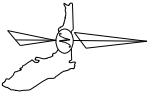
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				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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GayetR

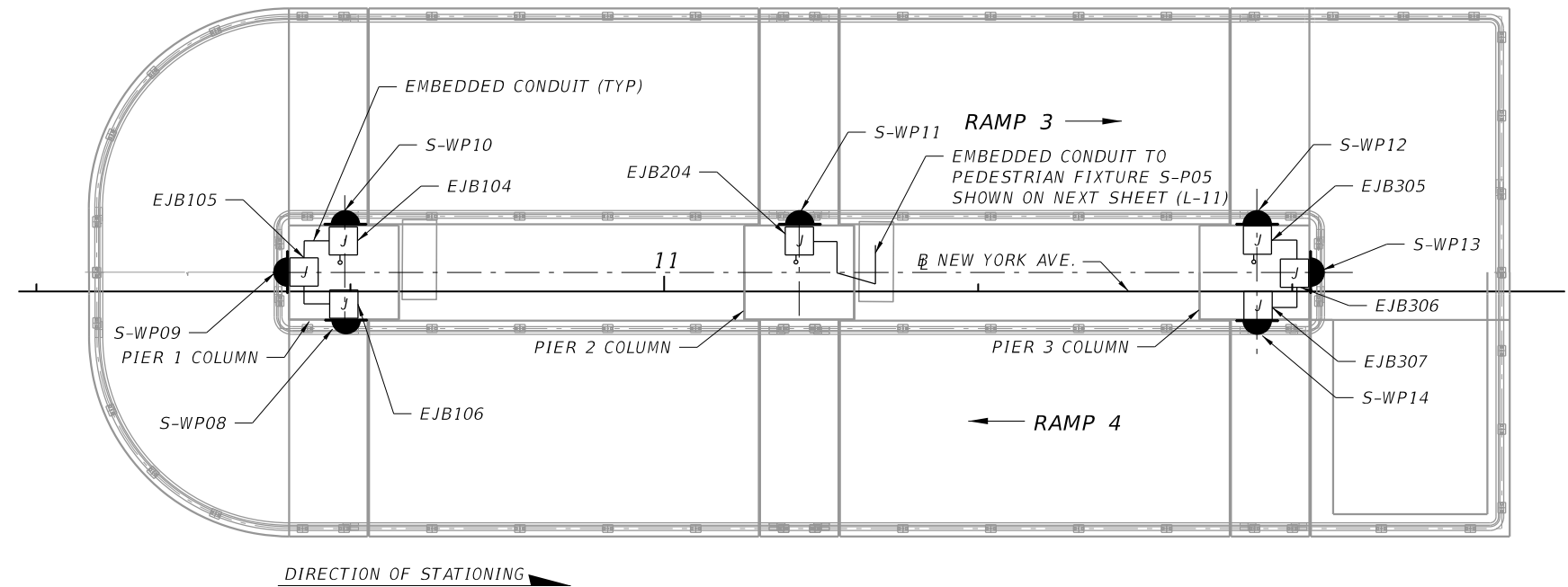
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

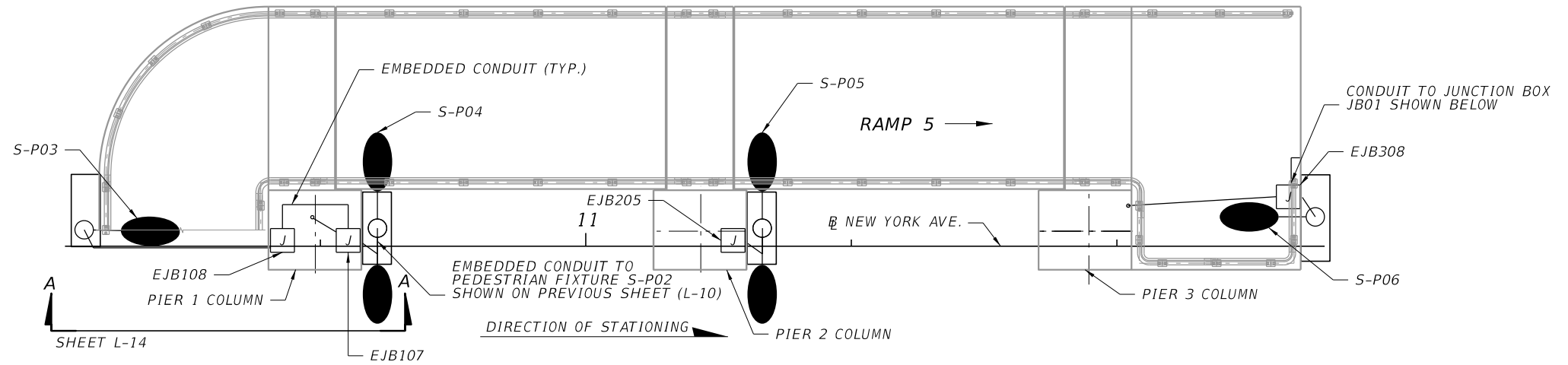
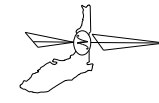


SOUTH SWITCHBACK RAMP PLAN - RAMPS 1 & 2
N.T.S.

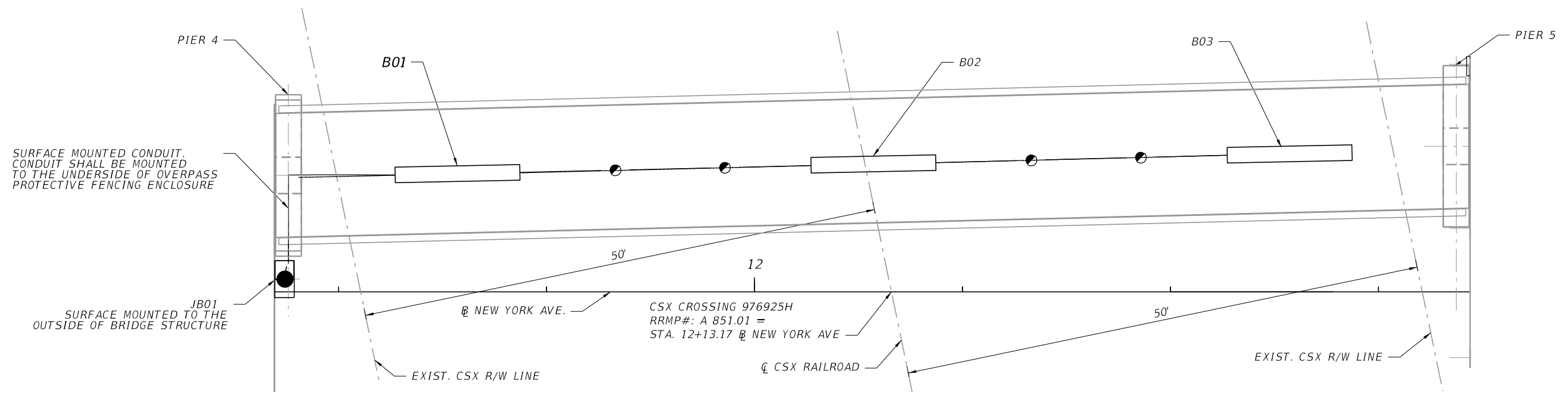


SOUTH SWITCHBACK RAMP PLAN - RAMPS 3 & 4
N.T.S.

REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NEW YORK PEDESTRIAN BRIDGE LIGHTING DETAILS	SHEET NO. L-10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					N/A	POLK	436656-1-52-01		



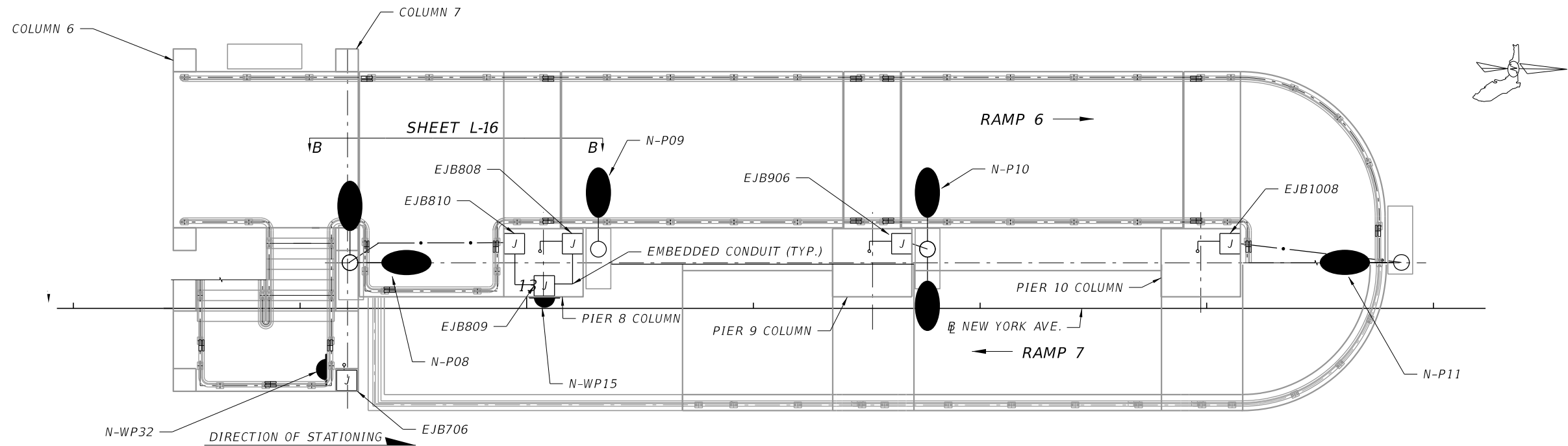
SOUTH SWITCHBACK RAMP PLAN - RAMP 5
N.T.S.



BRIDGE OVERPASS PLAN VIEW
N.T.S.

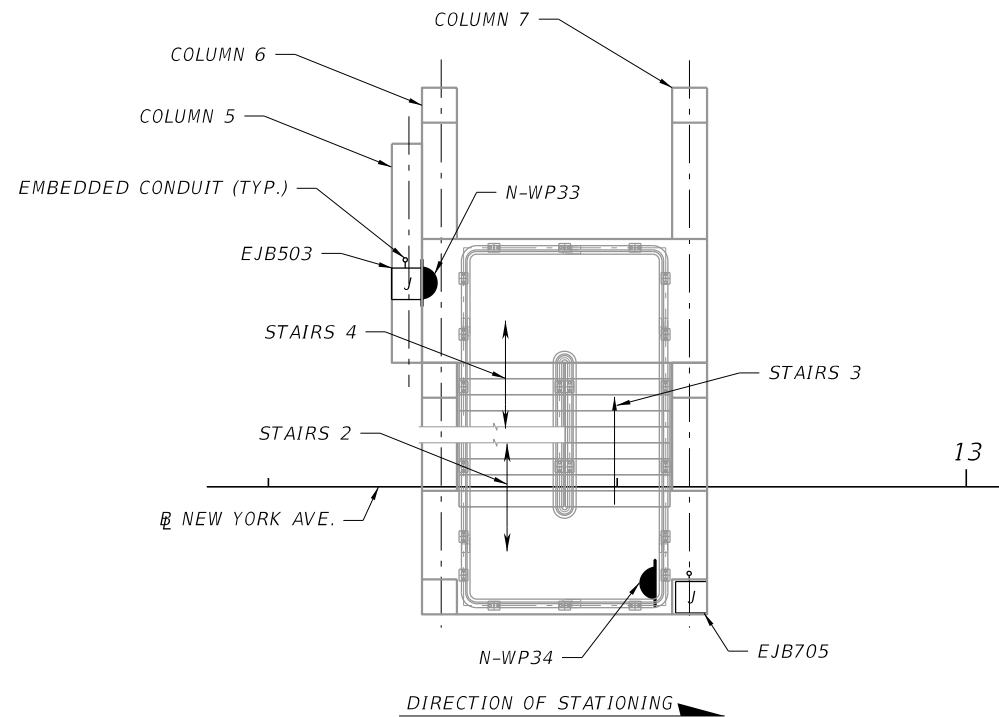
REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NEW YORK PEDESTRIAN BRIDGE LIGHTING DETAILS	SHEET NO. L-11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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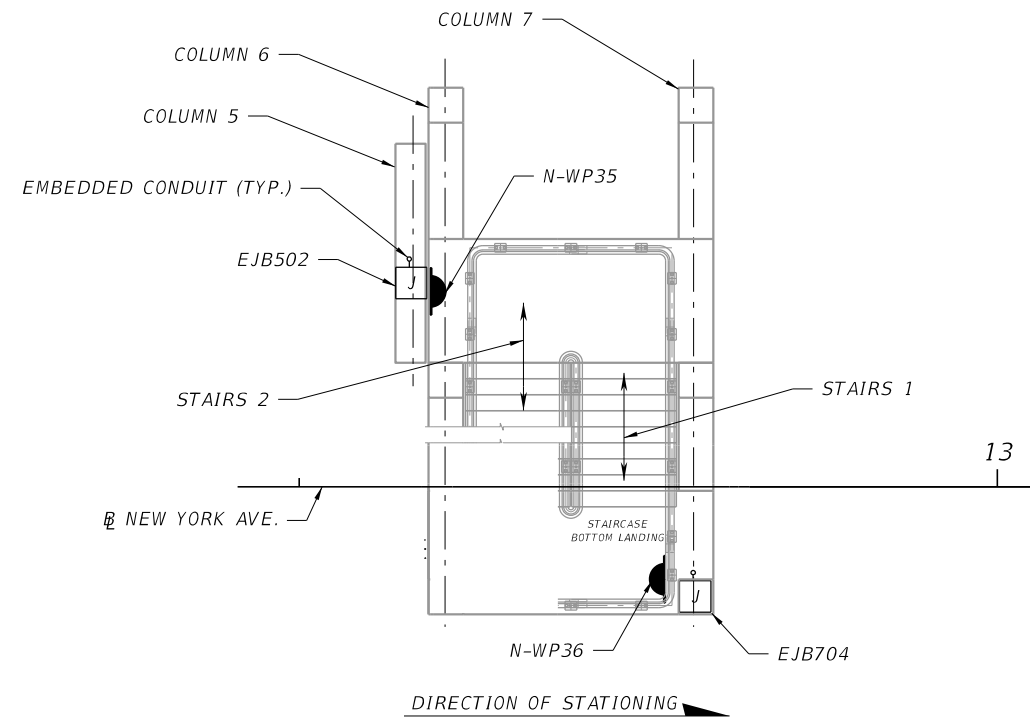


NORTH SWITCHBACK RAMP - RAMP 6 & STAIRCASE LANDING 5 PLAN

N.T.S.

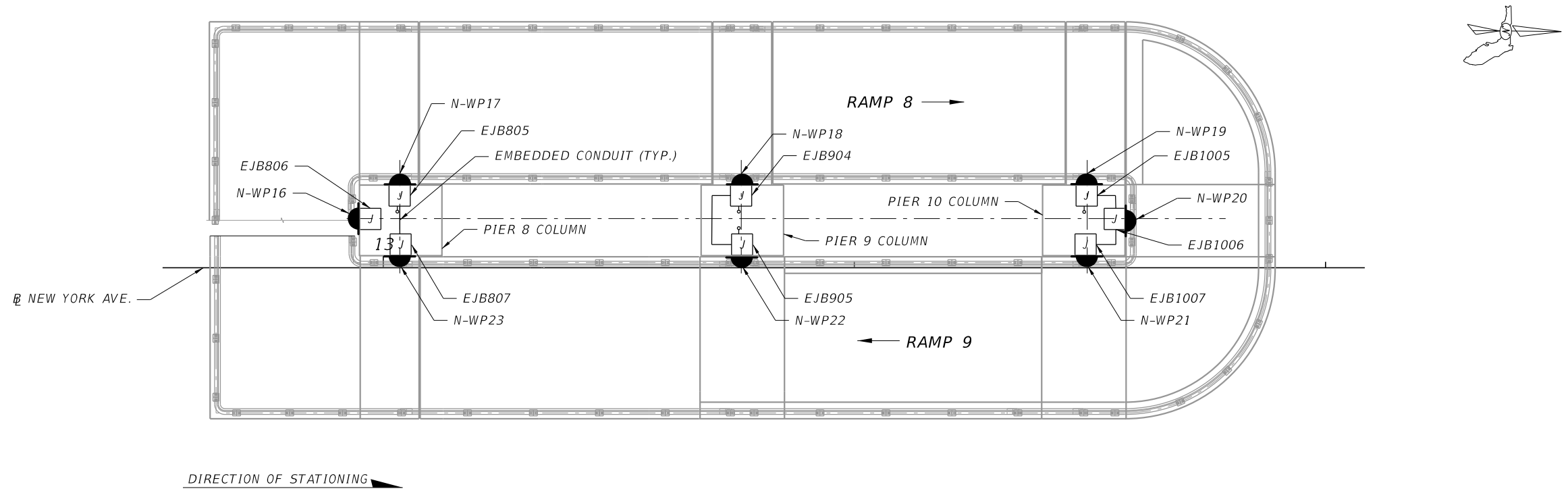


STAIRCASE PLAN STAIRS 4,3,2

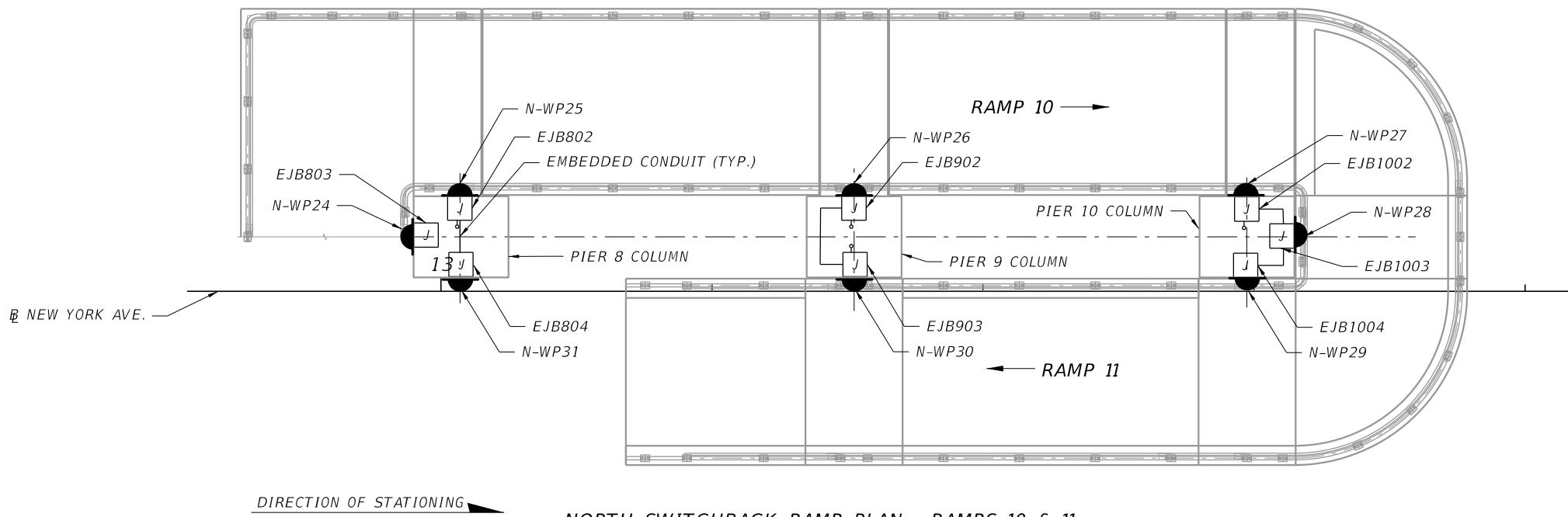


STAIRCASE PLAN STAIRS 2, 1

REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NEW YORK PEDESTRIAN BRIDGE LIGHTING DETAILS	SHEET NO.
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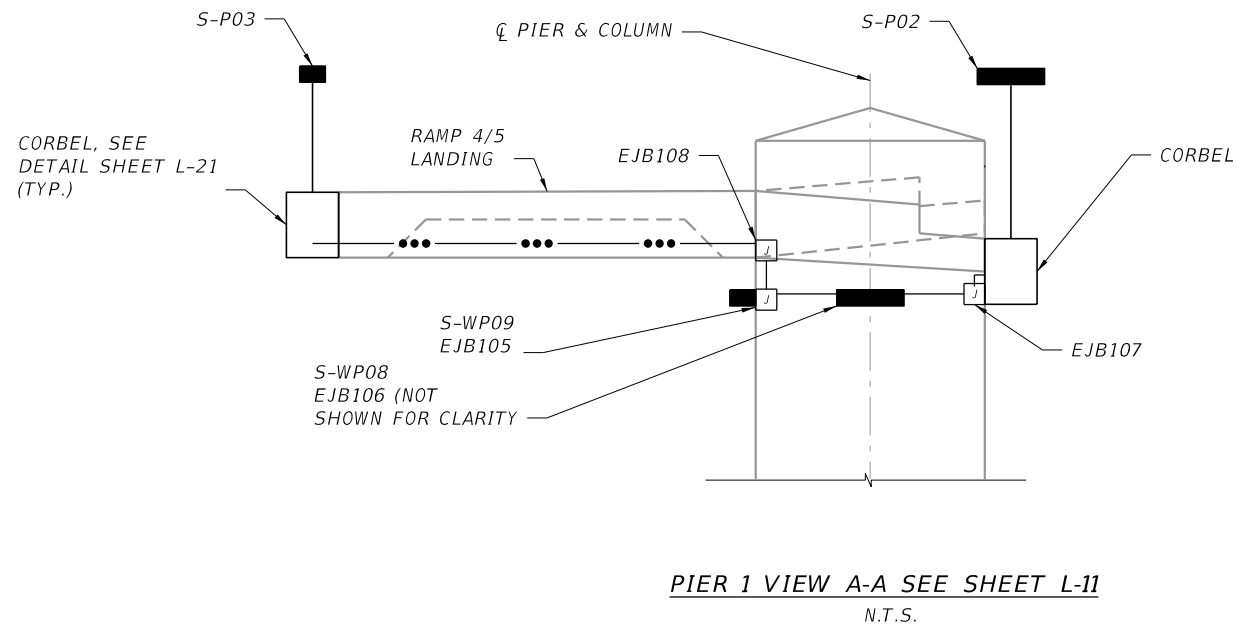
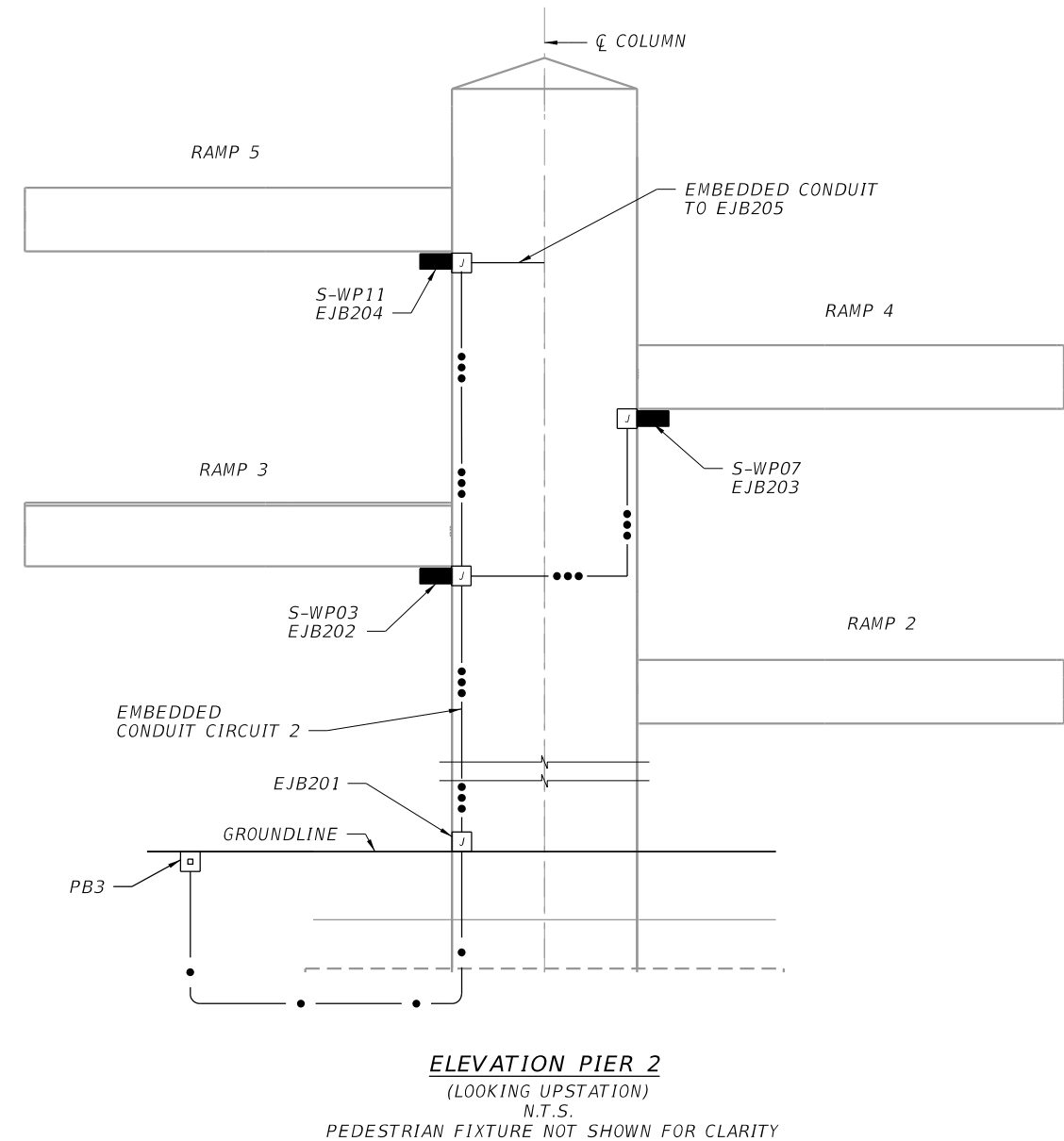
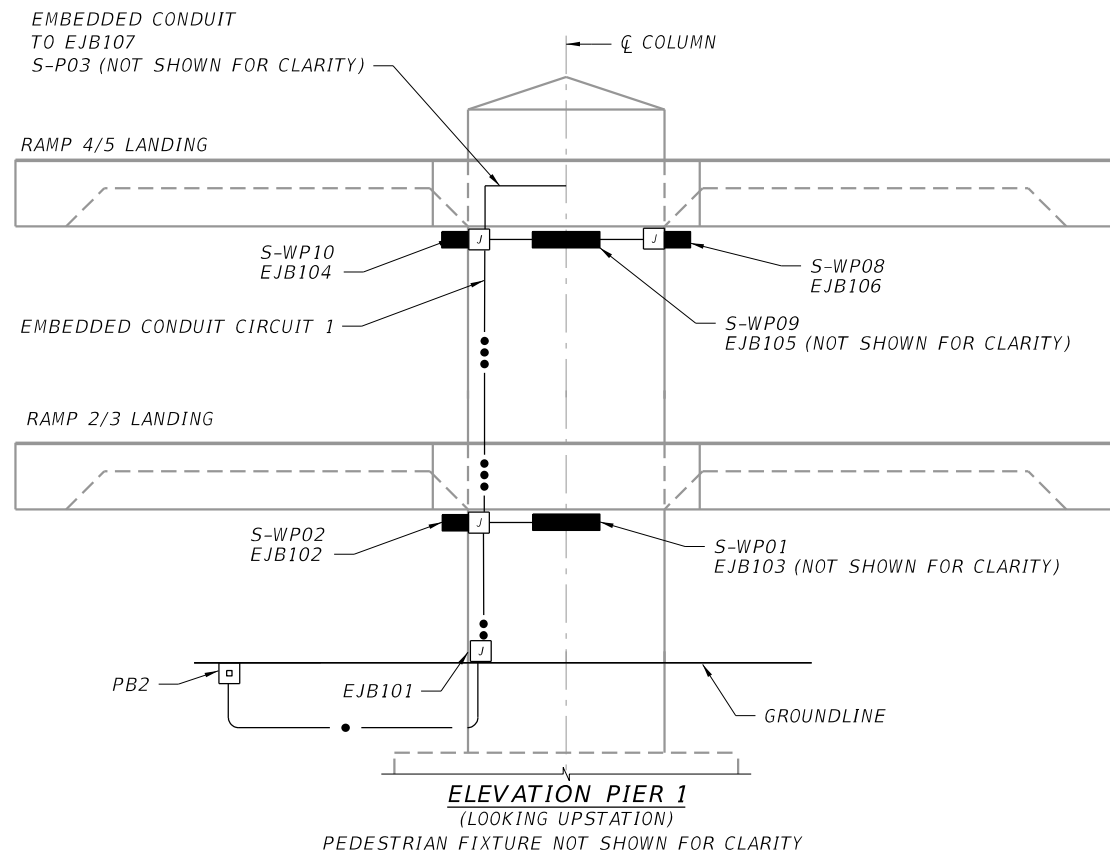


NORTH SWITCHBACK RAMP PLAN - RAMPS 8 & 9
N.T.S.

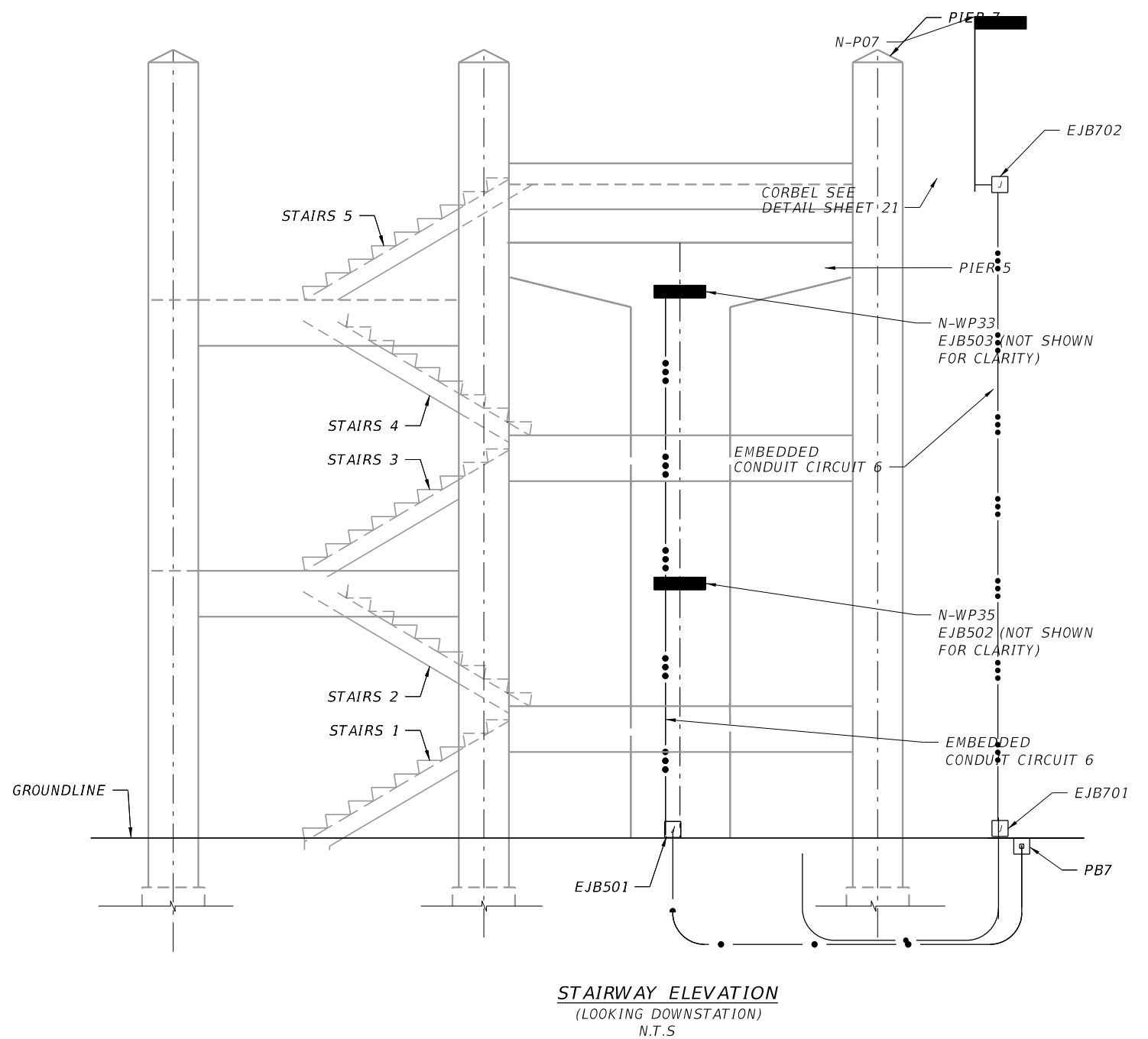
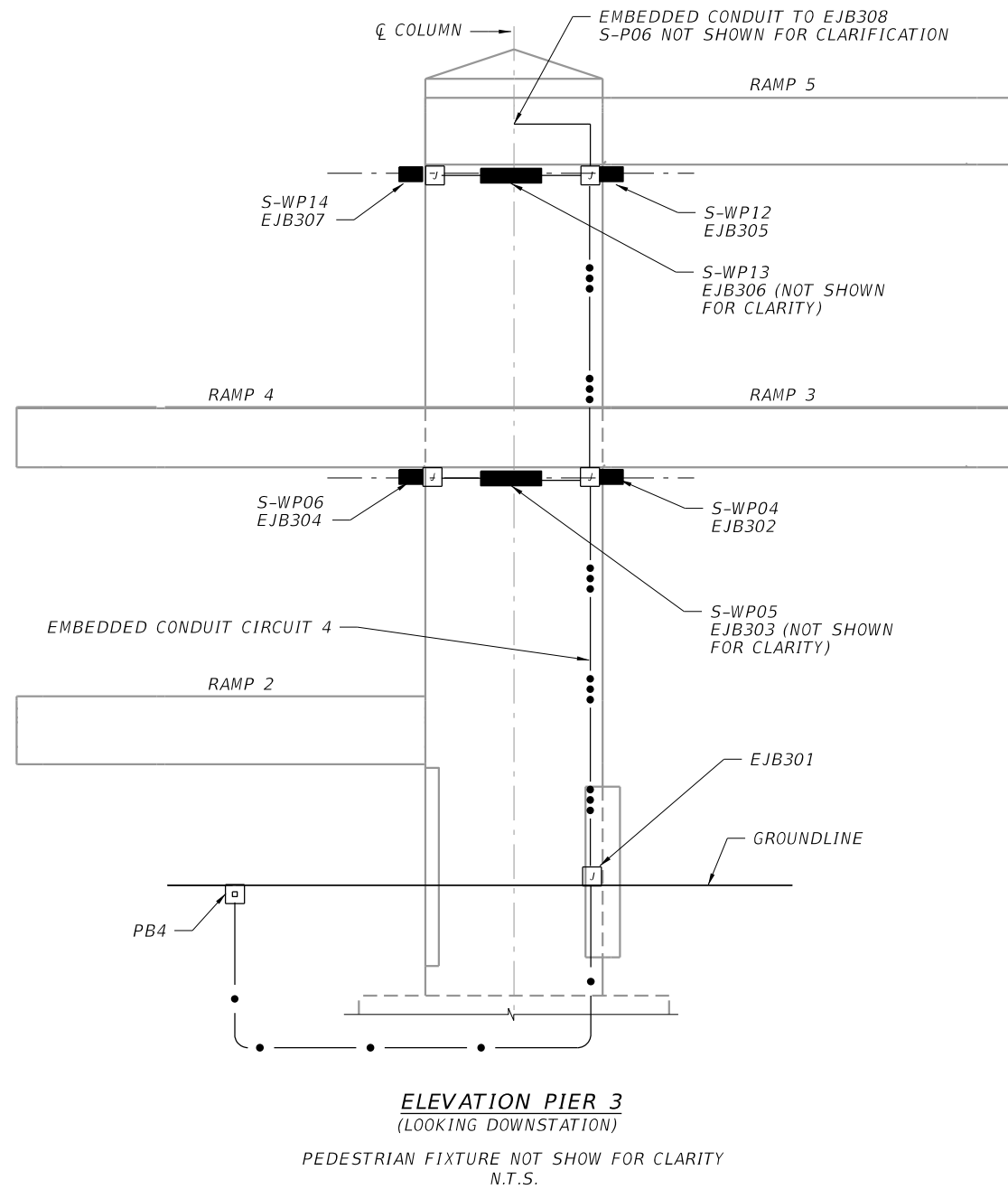


NORTH SWITCHBACK RAMP PLAN - RAMPS 10 & 11
N.T.S.

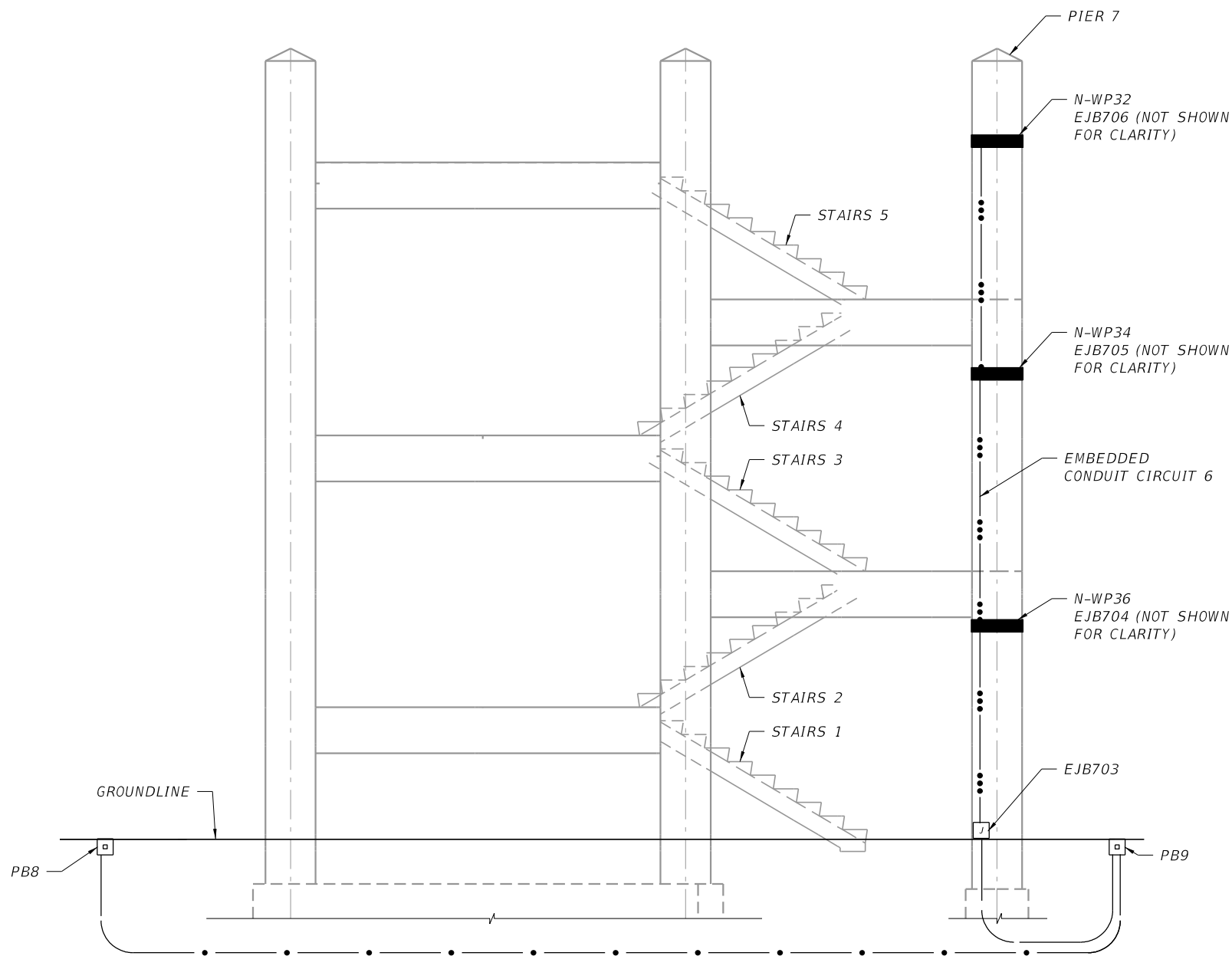
REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NEW YORK PEDESTRIAN BRIDGE LIGHTING DETAILS	SHEET NO. L-13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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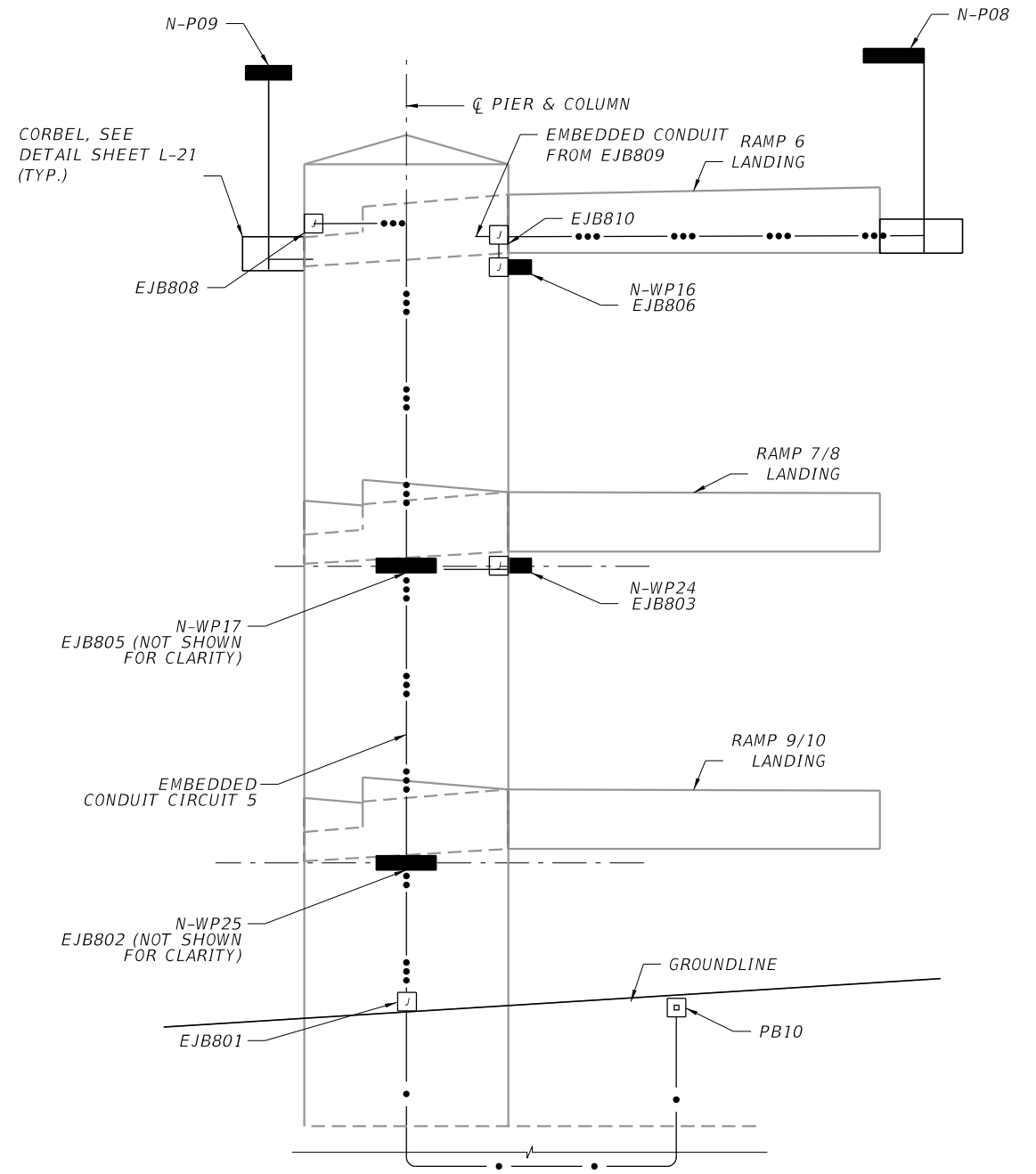
REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NEW YORK PEDESTRIAN BRIDGE LIGHTING DETAILS		SHEET NO. L-14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					N/A	POLK	436656-1-52-01			



REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NEW YORK PEDESTRIAN BRIDGE LIGHTING DETAILS	SHEET NO.
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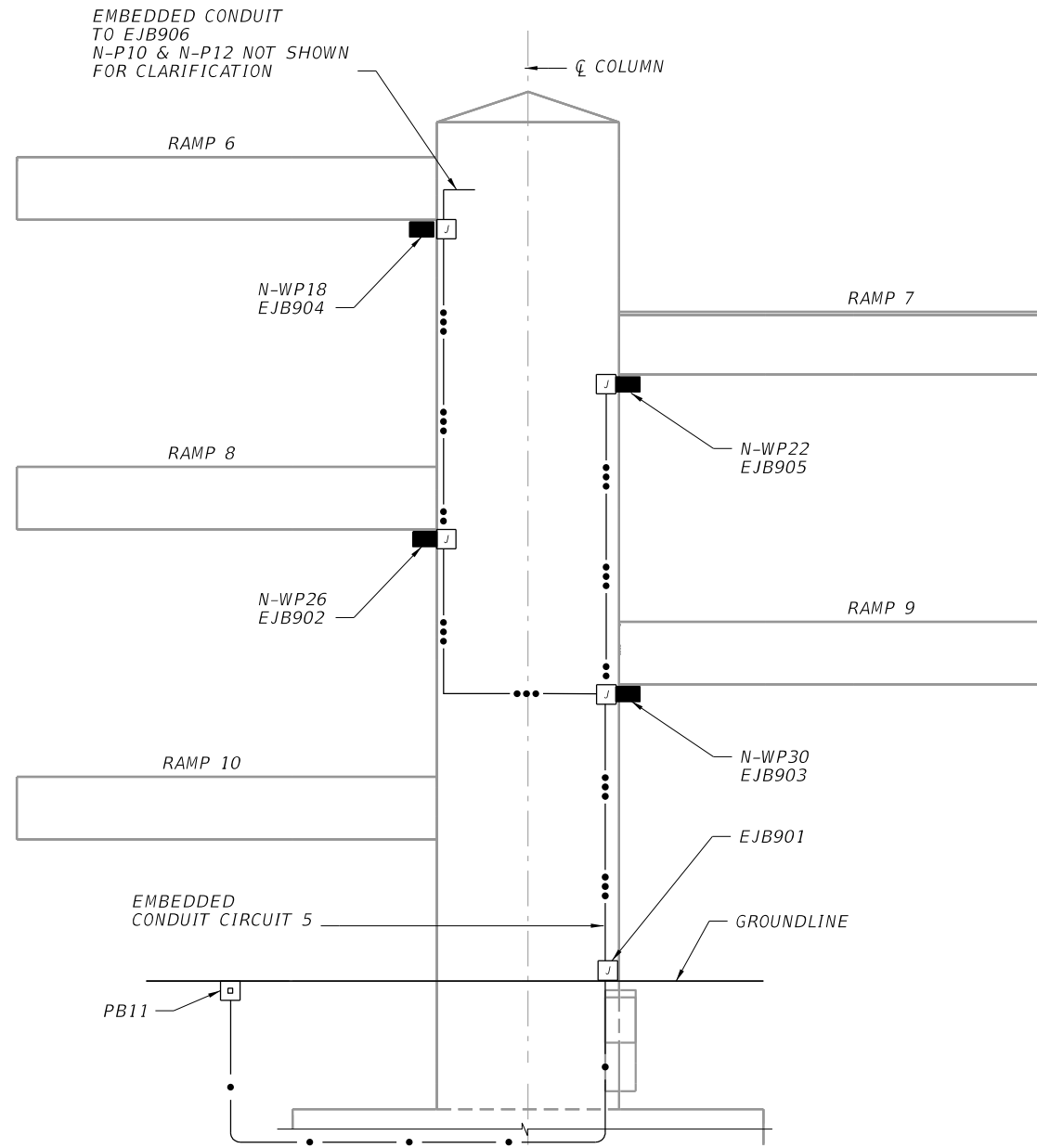


STAIRWAY ELEVATION
(LOOKING UPSTATION)
N.T.S

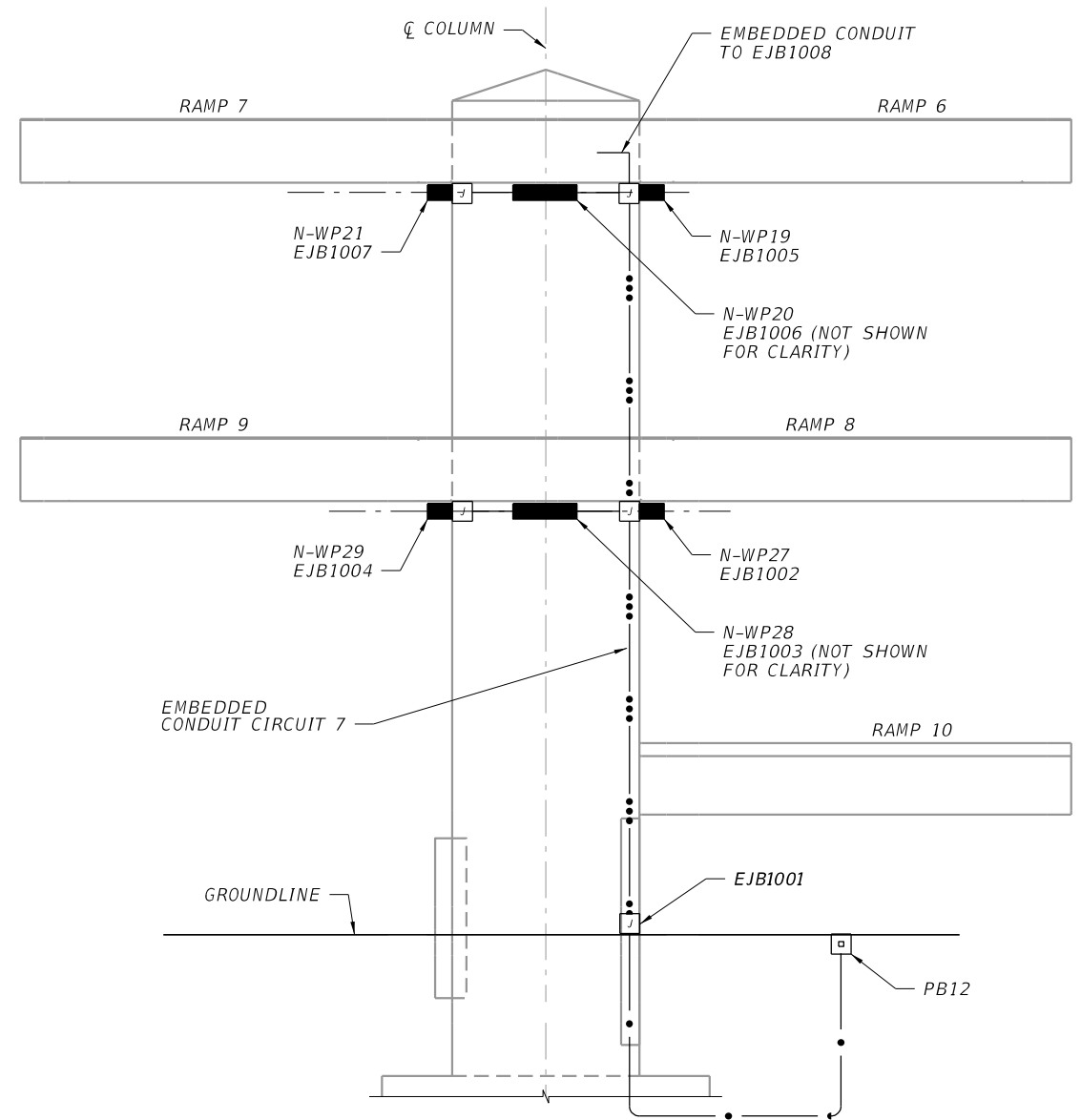


PIER 8 VIEW B-B - SEE SHEET L-12
N.T.S

REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NEW YORK PEDESTRIAN BRIDGE LIGHTING DETAILS	SHEET NO.
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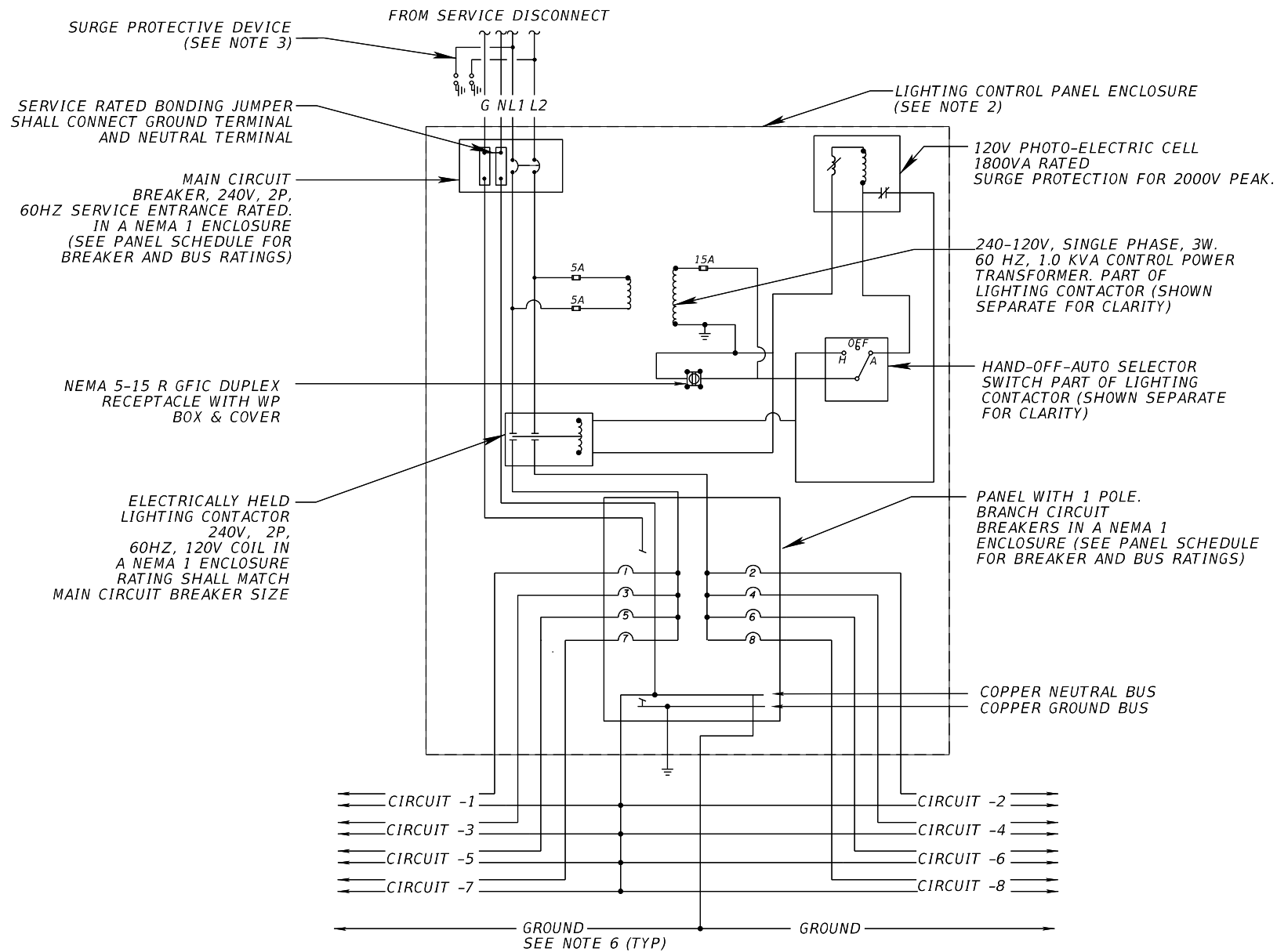


PIER 9 ELEVATION
(LOOKING UPSTATION)
PEDESTRIAN FIXTURES NOT SHOW FOR CLARITY
N.T.S



PIER 10 ELEVATION
(LOOKING DOWNSTATIONING)
PEDESTRIAN FIXTURES NOT SHOW FOR CLARITY
N.T.S.

REVISIONS				LAURA ANNE GLASER, P.E. P.E. LICENSE NO.: 66457 JACOBS ENGINEERING GROUP, INC. 200 S. ORANGE AVENUE, SUITE 900 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NEW YORK PEDESTRIAN BRIDGE LIGHTING DETAILS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					N/A	POLK	436656-1-52-01			
				6/27/2025 4:02:07 PM Default						L-17



NOTES:

1. ALL WIRING INSIDE SERVICE CONTROL PANEL SHALL BE INSTALLED IN INTERMEDIATE METAL CONDUIT.
2. CONTRACTOR SHALL FURNISH NEMA 4X SST ENCLOSURE SIZED FOR THE EQUIPMENT (SEE ENCLOSURE DETAIL THIS SHEET). GROUND MOUNTED CABINET PER STANDARD 639-002.
3. SURGE PROTECTIVE DEVICE (SPD): SPD UNIT SHALL BE WIRED INSIDE THE ENCLOSURE AS PER FDOT STANDARD INDEX 17504. SPD UNIT SHALL BE MOUNTED ON THE OUTSIDE OF THE ENCLOSURE AND COMPLY WITH UL1449 LATEST ADOPTED EDITION.
4. SHOP DRAWINGS REQUIRED FOR ALL EQUIPMENT ASSOCIATED WITH THE LOAD CENTER.
5. LOAD CENTER/SERVICE POINTS SHALL BE PROVIDED WITH A MINIMUM OF 20% SPARE CAPACITY.
6. BOND ALL ELEMENTS TOGETHER TO FORM AN INTERSECTION GROUNDING NETWORK IN ACCORDANCE WITH SPECIFICATION 620. RUN THE BOND WIRE IN THE CONDUIT WITH ELECTRICAL SERVICE WIRE

LOAD CENTER SCHEMATIC DIAGRAM

N.T.S.

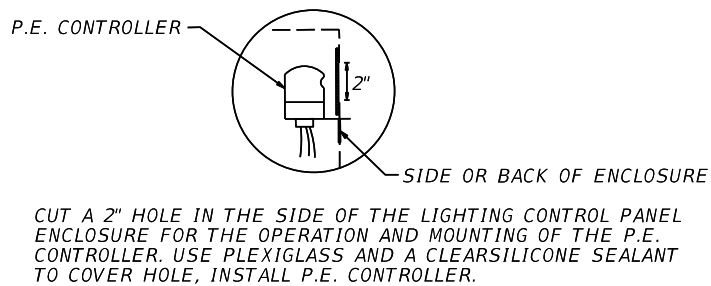
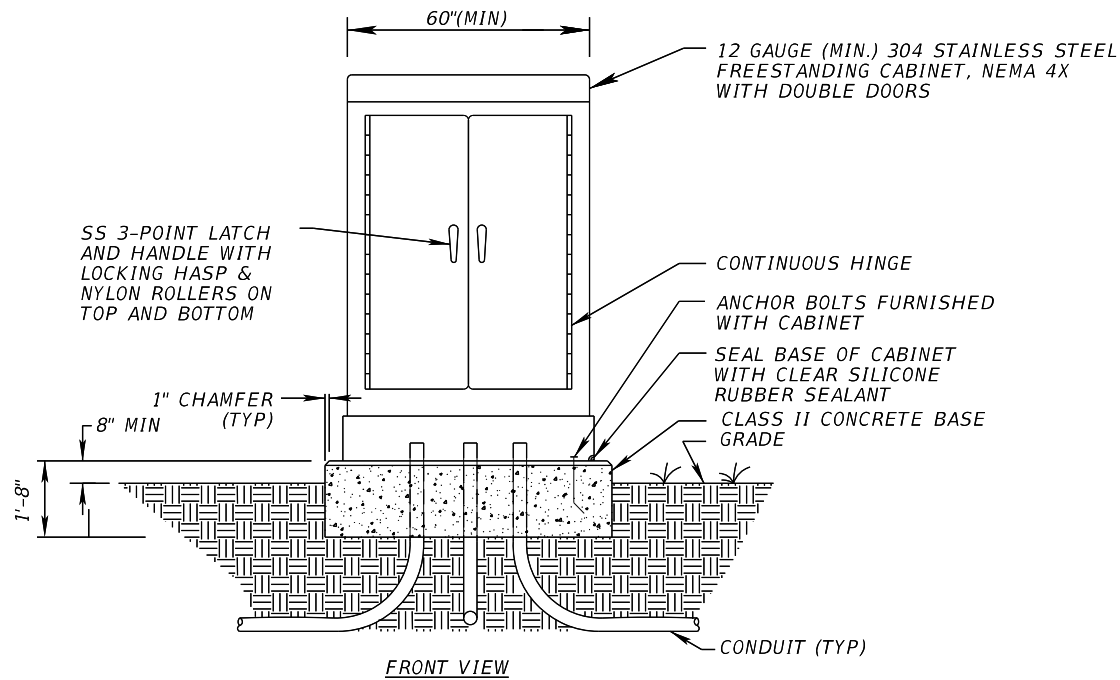


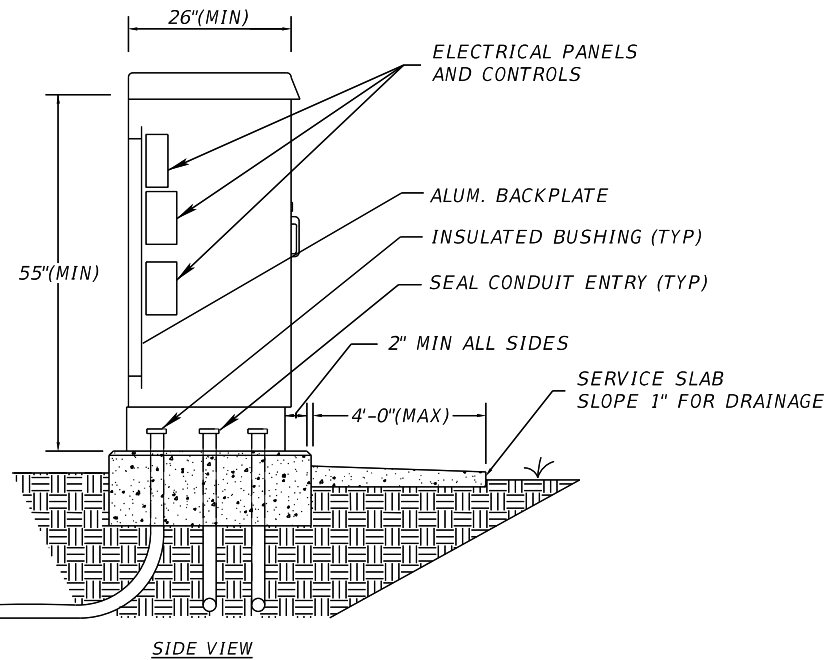
PHOTO CENTER ENCLOSURE DETAIL

N.T.S.



GENERAL NOTES

1. CABINET SHALL BE GROUNDED PER NEC AND FDOT STANDARDS.
2. STUB-OUT ONE (1) SPARE 2" PVC CONDUIT BELOW GRADE AND BEYOND CONCRETE BASE. CAP ENDS AND INDICATE LOCATION OF STUB-OUT INSIDE CABINET



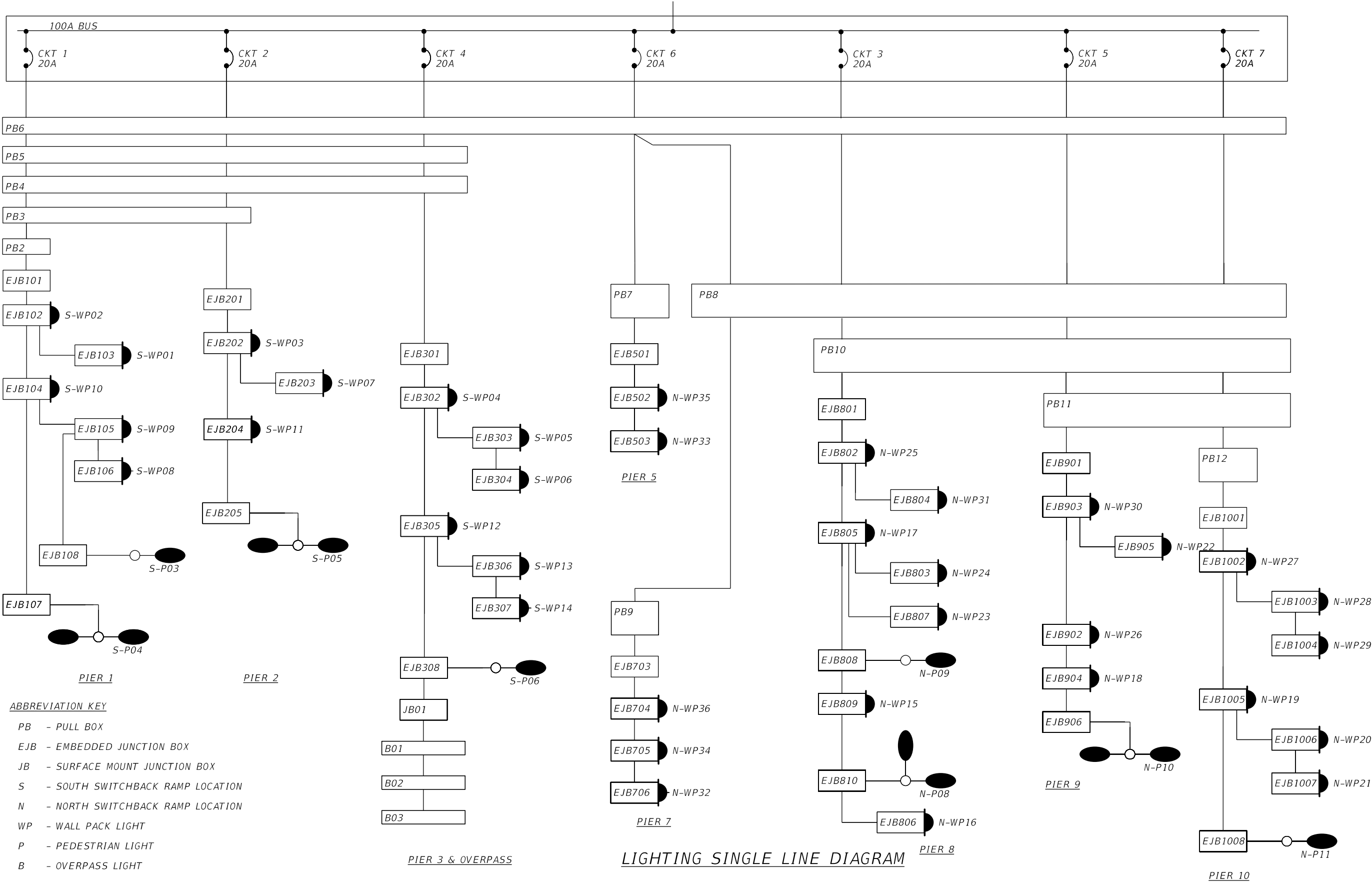
LOAD CENTER ENCLOSURE DETAIL

N.T.S.

REVISIONS				Laura Anne Glaser, P.E. P.E. License No.: 66457 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LOAD CENTER DETAIL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					N/A	POLK	436656-1-52-01		L-18

CONTROLLER 1

FROM LIGHTING CONTACTOR



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					N/A	POLK	436656-1-52-01		

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PANEL SCHEDULE - CONTROLLER 1

DESIGNATION <u>CONTROLLER 1</u>	JOB NO. <u>436656</u>
NO. CIRCUITS <u>12</u>	PROJECT <u>NEW YORK AVE PEDESTRIAN OVERPASS</u>
	LOCATION <u>STA. 14+00</u>
VOLTS <u>240/120</u>	PHASE <u>1</u> WIRE <u>3</u>
MAIN BREAKER (AMPS) <u>100</u>	SUPPLY VOLTAGE (P-N) <u>120</u>
INTERRUPTING CAPACITY <u>35KAIC</u>	FEEDER SIZE <u>2 #2 & #2 GND</u>
	SUPPLY VOLTAGE (P-P) <u>240</u>
	BUS SIZE <u>100</u>

[illegible]

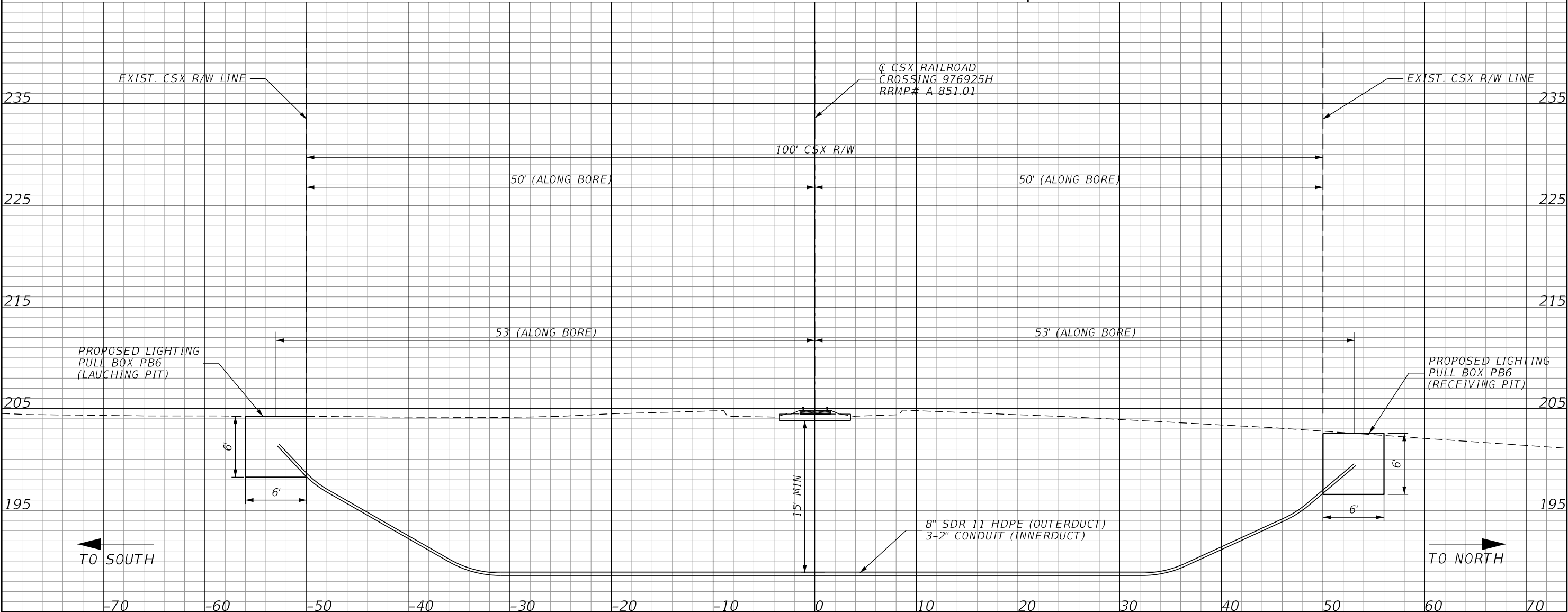
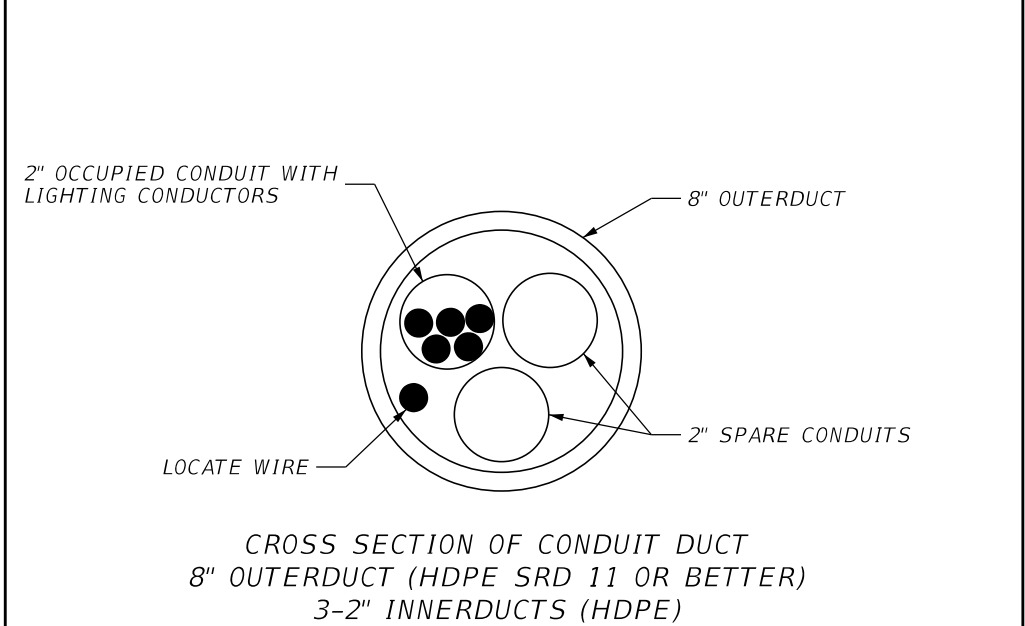
MAIN LUGS: N/A
THROUGH-FEED LUGS: N/A
FEEDER ENTRANCE: BOTTOM
SOURCE: _____

SPARE AVAILABLE CAPACITY (AMPS)	73.09
SPARE AVAILABLE CAPACITY (KVA)	17.54
SPARE AVAILABLE CAPACITY (%)	91%

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-20

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

- NOTES:
- HORIZONTAL DIRECTIONAL DRILLING (HDD) WORK ACTIVITIES SHALL BE CONTINUOUS UNTIL IS PULLED INTO PLACE
 - THE HDD SHALL BE TRACKED CONSTANTLY WITH LOCATION AND DEPTH MARKED EVERY 10 FEET.
 - THE CONTRACTOR SHALL HAVE ALL DRILL HEAD TYPES FOR EXPECTED AND UNEXPECTED SOIL CONDITIONS.
 - EXISTING UTILITY LOCATION AND DEPTHS ALONG THE BORE PATH HAVE NOT BEEN VERIFIED BY SUBSURFACE UTILITY EXPLORATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE.
 - OUTERDUCT PIPE ENDS MUST BE SEALED TO PREVENT ENTRANCE OF FOREIGN MATERIALS.
 - VERTICAL DATUM IS ASSUMED AND IS NOT TIED TO A GEODETIC VERTICAL DATUM.
 - BORE PLAN TEMPLATE AND FRACTION MITIGATION PLAN TO BE SUBMITTED TO CSX FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION
 - UPON COMPLETION OF THE HDD INSTALLATION WORK. THE CONTRACTOR SHALL PROVIDE AN ACCURATE AS-BUILT DRAWING OF THE INSTALLED HDD SEGMENT. AS-BUILT DRAWINGS WILL INCLUDE BOTH HORIZONTAL AND PROFILE PLANS. THE LATTITUDE AND LONGITUDE COORDINATES OF THE ENTRY, EXIT, AND TURN POINTS SHALL BE PROVIDED ON THE AS BUILT DRAWING(S).
 - TO MINIMIZE THE POTENTIAL OF THE BORE HOLE COLLAPSING, ALL BACK REAMING MUST UTILIZE TRAILING RODS.
 - A WORK PLAN MUST BE SUBMITTED DETAILING A TRACK MONITORING PROGRAM WHICH WILL SERVE TO MONITOR AND DETECT BOTH HORIZONTAL AND VERTICAL MOVEMENT OF THE CSXT TRACK AND ROADBED.



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					N/A	POLK	436656-1-52-01	L-21	