

# HUEY P. LONG AVE. STREET LIGHTING 11TH STREET TO WESTBANK EXPRESSWAY FOR THE CITY OF GRETN, LOUISIANA



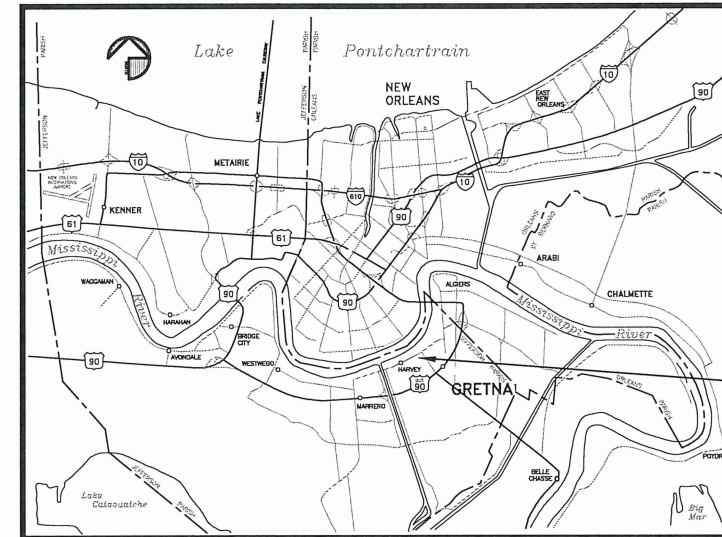
**CITY OF GRETN**

**MAYOR**  
BELINDA C. CONSTANT

**COUNCIL MEMBERS**

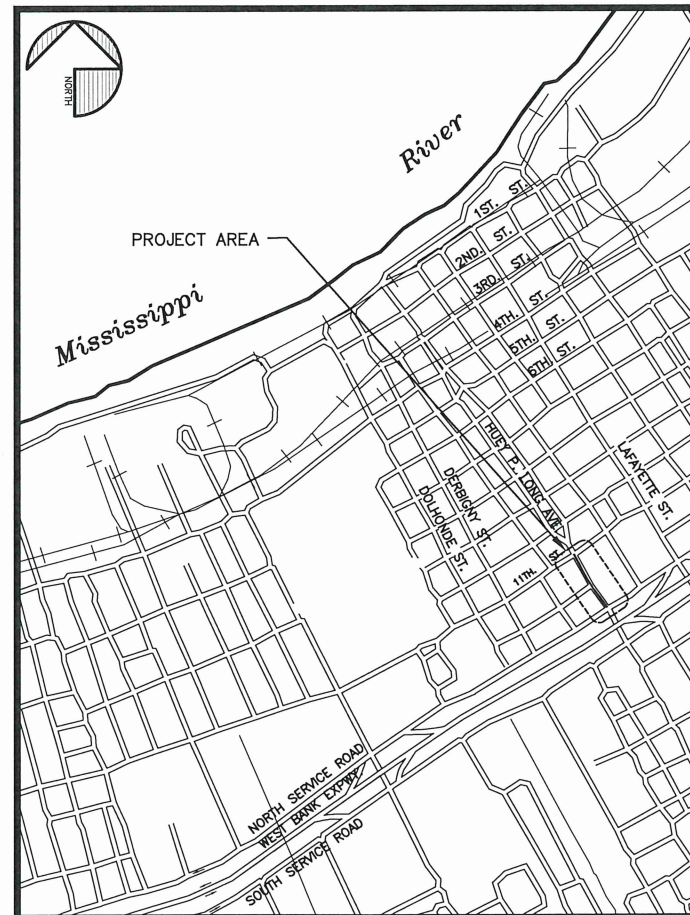
WAYNE A. RAU—COUNCILMAN AT-LARGE  
RUDY S. SMITH — COUNCILMAN DISTRICT 1  
MICHAEL A. HINYUB — COUNCILMAN DISTRICT 2  
MARK K. MILLER — COUNCILMAN DISTRICT 3  
JACKIE J. BERTHELOT — COUNCILMAN DISTRICT 4  
**INTERIM DIRECTOR OF PUBLIC WORKS**  
RON JOHNSON

BKI PROJECT NO. 9344-8350  
FEBRUARY 2025



SEE  
LOCATION  
MAP

VICINITY MAP  
N.T.S.



LOCATION MAP  
N.T.S.

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**APPROVAL**

*David E. Boyd*

2-26-25

DAVID BOYD PE,  
VICE PRESIDENT, BURK-KLEINPETER, INC.

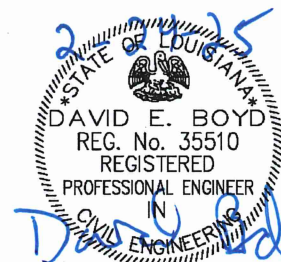
DATE

*Belinda C. Constant*

02-26-2025

BELINDA C. CONSTANT, MAYOR  
CITY OF GRETN, LOUISIANA

DATE



CALL BEFORE YOU DIG:  
Always dial 811 or 800 272-3020 first.  
The call and the service are FREE.



SYMBOL SCHEDULE

LIGHTING SYMBOLS	
	DESCRIPTION
	POST TOP LUMINAIRE. LETTER DENOTES LUMINAIRE TYPE. SEE LUMINAIRE SCHEDULE.
POWER SYMBOLS	
	DESCRIPTION
	DISCONNECT SWITCH. FUSED UNLESS OTHERWISE NOTED.
	JUNCTION BOX.
	TRANSFORMER
WIRING SYMBOLS	
	DESCRIPTION
	WIRING (IN CONDUIT) RUN EXPOSED.
	WIRING UNDERGROUND (SITE WORK).
	WIRING OVERHEAD (SITE WORK).
	SEWER LINE.
	DRAIN LINE.
	WATER LINE.
	HOMERUN TO PANELBOARD WITH NOMENCLATURE (LETTERS), CIRCUIT NUMBERS (NUMBERS), NUMBER OF CIRCUITS (NUMBER OF ARROWS), EACH CIRCUIT TO HAVE GROUND.
	GROUND CONNECTION
	CONDUIT TURNED UP.
	CONDUIT TURNED DOWN.
	CONDUIT STUBBED OUT.
	PULL BOX. NEMA CONFIGURATION AS NOTED.
	6" SCH. 80 PVC CONDUIT 'CASING' (UNDERGROUND) WITH 2" PVC CONDUIT AND CONDUCTORS AS INDICATED
ONE-LINE SYMBOLS	
	DESCRIPTION
	METER ENCLOSURE.
	METER.
	CIRCUIT BREAKER.
	SWITCH, SINGLE POLE-SINGLE THROW.
	FUSE.
	FUSED SWITCH.
	DRY TYPE TRANSFORMER.
	EXOTHERMIC WELD CONNECTION

REFERENCE SYMBOLS	
	DESCRIPTION
	REFERENCE NOTE.
	SPECIFIC NOTE REFERENCE.
	CALL OUT REFERENCE.
	REVISION REFERENCE.
	DETAIL REFERENCE: "A" DENOTES DETAIL "E1" DENOTES SHEET NUMBER WHERE DETAIL IS TAKEN "E2" DENOTES SHEET NUMBER WHERE DETAIL IS DRAWN
MISC. SYMBOLS	
	DESCRIPTION
	TO BE REMOVED

GENERAL NOTES:

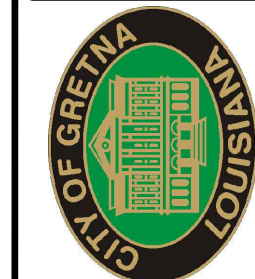
- ALL WIRING, DUCT LINE CONDUIT, APPARATUS, DEVICES, LUMINAIRES, EQUIPMENT AND FOUNDATIONS SHALL CONFORM TO CITY OF GRETNA REQUIREMENTS, APPLICABLE ORDINANCES OR RESOLUTIONS AND THEIR STANDARD DETAILS FOR CONSTRUCTION OF SAME. ALL WIRING SHALL BE IN CONDUIT.
- THE CONTRACTOR SHALL SECURE ALL PERMITS FOR HIS WORK AND ARRANGE FOR ALL INSPECTIONS REQUIRED.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO CONSTRUCT A COMPLETE SYSTEM AS SHOWN IN THE PLANS AND AS COMPLYING WITH CITY OF GRETNA REQUIREMENTS.
- THE CONTRACTOR SHALL SECURE APPROVALS FOR THE WORK IN WRITING FROM THE CITY OF GRETNA AND SHALL PRESENT THE APPROVAL TO THE OWNER BEFORE FINAL PAYMENT.
- THE LOCATION SHOWN ON PLANS OF EXISTING UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL CAREFULLY VERIFY THESE LOCATIONS AND TAKE WHATEVER PRECAUTIONS NECESSARY TO AVOID DAMAGE TO EXISTING UTILITIES.
- THE CONTRACTOR WILL BE REQUIRED TO FURNISH THE OWN CONSTRUCTION LAYOUT FOR THE STREET LIGHT STANDARDS.
- CITY OF GRETNA HAS EXAMINED THE LOCATION OF THE STREET LIGHT FOUNDATIONS AND APPROVES OF THESE LOCATIONS. IT IS HEREBY UNDERSTOOD THAT CITY OF GRETNA RESERVES THE RIGHT TO REQUIRE RELOCATION OF SAID STREET LIGHT FOUNDATIONS, THE SAME ARE TO BE RELOCATED AT THE COST AND EXPENSE OF THE PARTY DESIRING RELOCATION. ALL RELOCATION OF STREET LIGHTS MUST HAVE THE PRIOR APPROVAL OF CITY OF GRETNA.
- ALL UTILITIES SHALL MEET WITH THE REQUIREMENTS OF THE LOCAL UTILITY PROVIDER AND SHALL ALSO COMPLY WITH ALL GROUNDING REQUIREMENTS AS SPECIFIED BY THE PLANS, SPECIFICATIONS, AND THE 2020 NATIONAL ELECTRICAL CODE (N.E.C.)
- ALL CONDUIT FOR STREET LIGHTING SYSTEMS WHERE EXPOSED SHALL BE GALVANIZED RIGID STEEL CONDUIT.
- EQUIPMENT AND MATERIAL SHALL NOT BE ORDERED OR INSTALLED UNTIL IT IS APPROVED BY THE ENGINEER.
- EQUIPMENT AND RACEWAY LAYOUTS ARE DIAGRAMMATIC, AND THEY DO NOT SHOW EXACT LOCATIONS. THE EXACT LOCATIONS OF LIGHT POLES, CONDUITS, JUNCTION BOXES, ETC., SHALL BE AS DIRECTED BY THE PROJECT ENGINEER. THE CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS WHICH SHOW THE FINAL INSTALLED LOCATIONS OF THE EQUIPMENT.
- ALL SUPPORT MATERIALS, INCLUDING FASTENERS AND HARDWARE, SHALL BE HOT DIP GALVANIZED OR STAINLESS STEEL.
- ALL EXPOSED CONDUIT FITTINGS AND COUPLINGS SHALL BE THREADED SCREW TYPE. THREADLESS, COMPRESSION, OR SPLIT BOLT ON COUPLINGS ARE NOT ACCEPTABLE.
- THE CONTRACTOR SHALL MAINTAIN PROPER CLEARANCES FROM ALL OVERHEAD AND UNDERGROUND UTILITIES, AND SHALL CONTACT EACH UTILITY FOR SPECIFIC REQUIREMENTS. NEW ELECTRICAL SHALL BE ROUTED UNDER EXISTING UTILITY.
- THE CONTRACTOR PER THE DIRECTION OF CITY OF GRETNA SHALL USE THE EXPLORATORY ITEM TO DETERMINE THE EXACT LOCATION AND DEPTH OF EXISTING CITY/PARISH UTILITIES AND POTENTIAL CONFLICTS. ALL EXCAVATION FOR THIS ITEM SHALL BE IN THE PRESENCE OF A REPRESENTATIVE OF CITY OF GRETNA DEPARTMENT OF PUBLIC UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR SATISFACTORILY MAINTAINING THE IMMEDIATE WORK AREA IN A NEAT AND ORDERLY MANNER.
- FOUNDATIONS FOR STREET LIGHT STANDARDS SHALL BE AS DETAILED IN THE DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL UNDERGROUND RACEWAY SHALL BE PVC/HDPE SCHEDULE 40 CONDUIT BURIED AT MINIMUM 24" BELOW FINISHED GRADE.
- A COPPER WELD GROUND ROD MINIMUM 10' X 5/8" DIAMETER WILL BE REQUIRED AT EACH POLE FOUNDATION WITH #6 CU RHW GROUND CONDUCTOR.
- THE PLANS DO NOT NECESSARILY SHOW ALL UNDERGROUND FACILITIES. BEFORE BEGINNING EXCAVATION, THE CONTRACTOR SHALL CHECK THE AREA FOR EVIDENCE OF UNDERGROUND FACILITIES.

- ALL UNDERGROUND RACEWAY FOR STREET LIGHTING SYSTEMS WHEN RUN UNDER UNDEVELOPED OR NEWLY CUT STREETS (NOT YET PAVED, BLACKTOPPED, OR GRAVELED) THEY SHALL BE NON-METALLIC PVC SCHEDULE 40 (OR BETTER) ENCASED IN CONCRETE AND THROUGH A SIX INCH (6") CONDUIT UNDER SAID STREET. AN "E" SHALL BE ETCHED IN THE CURB AT ANY AND ALL ELECTRICAL CROSSINGS UNDER STREETS. ALL RACEWAYS SHALL HAVE A MINIMUM TRADE SIZE OF 1 1/2 INCH (1.5") AND BE BURIED A MINIMUM OF TWENTY-FOUR INCHES (24") BELOW GRADE. WHERE THE RACEWAY RISES UP TO THE LIGHT STANDARDS, IT MUST COME ABOVE THE FOUNDATION A MINIMUM OF 4 INCHES (4"). ALL ELBOWS OR BENDS USED IN THE SYSTEM SHALL BE 1 1/2 INCH (1.5") MINIMUM PVC SCHEDULE 40 (OR BETTER).
- STREET LIGHT FOUNDATIONS SHALL BE OF CONCRETE CAST IN PLACE TO BE IN ACCORDANCE WITH THE TYPICAL FOUNDATION PLAN FOR STREET LIGHT STANDARDS FOR CITY OF GRETNA DEPARTMENT OF PUBLIC UTILITIES.
- ALL STREET LIGHT FOUNDATION AND BOX INSTALLATION SHALL AVOID CONFLICTS WITH HANDICAPPED ACCESSIBILITY RAMPS AND THE LOCATION OF THESE RAMPS WILL GOVERN THE EXACT LOCATION OF THE STREETLIGHT FOUNDATIONS AND BOXES. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL COORDINATE THEIR ACTIVITIES WITH THE CITY OF GRETNA PROJECT MANAGER.
- STREET LIGHT SYSTEM WILL BE SERVED FROM ENTERGY, INC. FEED POINT.
- THE CONTRACTOR SHALL SUPPLY AND MAINTAIN CONSTRUCTION SIGNS (IF REQUIRED BY THE CITY OF GRETNA DEPARTMENT OF PUBLIC UTILITIES).
- THE CONTRACTOR SHALL CLOSE ONLY ONE LANE OF TRAFFIC AT A TIME. CONTRACTOR SHALL COORDINATE ANY LANE CLOSURES WITH THE CITY OF GRETNA DEPARTMENT OF PUBLIC UTILITIES 48 HOURS BEFORE EXPECTED CLOSURE PRIOR TO COMMENCING ANY WORK.
- SHEETS E1.0, E2.0, E6.0, E7.0, E7.1, E7.2 ABBREVIATIONS, SCHEDULES, DETAILS, ETC., APPLY TO ALL SHEETS UNLESS INDICATED OTHERWISE.
- ALL WORK MUST BE COORDINATED AND APPROVED BY CITY OF GRETNA, INCLUDING BUT NOT LIMITED TO, FOUNDATION LOCATIONS, BOX LOCATIONS, FOUNDATION PLACEMENT, ANCHOR BOLT PLACEMENT AND ORIENTATION, CONDUIT STUB-UP LOCATIONS, UNDER-STREET BORES, BORES NEAR TREES, ETC. CONTACT RON JOHNSON, INTERIM DIRECTOR, CITY OF GRETNA DEPARTMENT OF PUBLIC WORKS 504-363-1579.
- WHEN ANY PART OF A RACEWAY INSTALLATION IS TO BE CONCEALED FROM VIEW OR NOT READILY ACCESSIBLE, THE PERSON SUPERVISING AND INSTALLING THE DUCT OR RACEWAY SHALL NOTIFY CITY OF GRETNA DEPARTMENT OF PUBLIC UTILITIES AND THE ENGINEER. ANY SUCH PARTS OF THE RACEWAY INSTALLATION SHALL NOT BE CONCEALED UNTIL THEY HAVE BEEN INSPECTED AND APPROVED, PROVIDED THAT ON SUCH INSTALLATION THE CONCEALMENT OF PARTS OF THE RACEWAY MUST, AT THE DISCRETION OF THE ELECTRICAL INSPECTOR, NECESSARILY PROCEED CONTINUOUSLY.
- CONTRACTOR HAS THE OPTION TO INSTALL UNDERGROUND RACEWAY VIA OPEN TRENCH CUT OR DIRECTIONAL DRILLING.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITY CROSSINGS INCLUDING, BUT NOT LIMITED TO, WATER LINES, GAS LINES, SEWER LINES, DRAIN LINES, BURIED CABLES, AND EXISTING ELECTRICAL UNDERGROUND. CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY REPRESENTATIVE FOR COORDINATION AND MUST REPORT ANY DAMAGES TO UTILITIES PRIOR TO COMMENCING ANY REPAIRS. CONTRACTOR IS RESPONSIBLE FOR REPAIR AT CONTRACTOR'S EXPENSE ANY DAMAGES TO EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND PIPE LINES, CONDUITS, AND OTHER STRUCTURES BY CONTACTING OWNERS OF UNDERGROUND UTILITIES AND BY PROSPECTING IN ADVANCE OF EXCAVATION OPERATIONS. CONTACT LA ONE CALL 811 OR 800 272-3020 FOR UTILITY LOCATIONS.
- RACEWAY SHALL BE INSTALLED A MINIMUM OF 24" BELOW ALL DRIVEWAYS, 12" BELOW CONCRETE SIDEWALKS (4" THICK), AND 18" BELOW GRASS/EARTHEN AREAS.
- EQUIPMENT AND FOUNDATION LOCATIONS MAY BE ADJUSTED ONLY WITH THE PERMISSION OF THE ENGINEER. THE CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS WHICH SHOW THE FINAL INSTALLED LOCATIONS.
- CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ALL CONCRETE SIDEWALKS AND DRIVEWAYS NECESSARY FOR RACEWAY INSTALLATION. WHERE RACEWAYS CROSS DRIVEWAYS, CONTRACTOR HAS THE OPTION TO SAWCUT THE ENTIRE WIDTH OF CONCRETE DRIVEWAY EQUAL TO THE WIDTH OF THE SIDEWALK OR INSTALL RACEWAY VIA DIRECTIONAL DRILLING. LIMITS OF REMOVAL FOR CONCRETE PAVEMENT AND SIDEWALKS SHALL BE TO EXISTING JOINT OR REQUIRED SAW JOINT TO BE COORDINATED WITH CITY OF GRETNA DEPARTMENT OF PUBLIC UTILITIES. COST FOR ALL CONCRETE WORK AND DIRECTIONAL DRILLING SHALL BE INCLUDED IN BID.
- CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL SURFACES TO ORIGINAL CONDITION. CONCRETE SLABS SHALL BE EQUAL TO THAT REMOVED INCLUDING REINFORCING, CONTROL JOINTS, AND EDGING, MINIMUM THICKNESS SHALL BE 4". ANY GRASS AREAS SHALL BE RESTORED TO ORIGINAL GRADE AND SODDED.
- RACEWAY INSTALLATION SHALL BE BY DIRECTIONAL DRILL/BORE WHERE THERE ARE SURFACE FEATURES THAT ARE NOT TO BE DISTURBED, INCLUDING TREES, UTILITIES, ETC. TRENCHING MAY BE USED ONLY WHERE THERE ARE NO CONFLICTS WITH SURFACE FEATURES AND UTILITIES. ALL RACEWAY INSTALLATION NEAR TREES SHALL BE BY DIRECTIONAL DRILL/BORE ONLY TO AVOID DAMAGE TO TREES. DRILL/BORE PATH AND DEPTH SHALL BE COORDINATED AND APPROVED BY PROJECT ARBORIST AND CITY OF GRETNA PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL USE HAND EXCAVATION TO LOCATE UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION WORK.

XREF: NONE

DATE:

FILE NAME: X.DWG

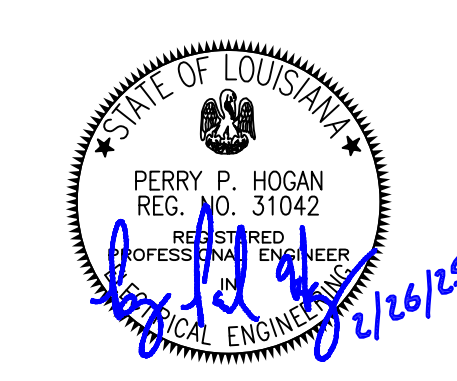


HUEY P. LONG AVE.  
STREET LIGHTING 11TH ST-WBE  
SCHEDULES AND NOTES

**BKJ BURK-KLEINPETER, INC.**  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
2400 VETERANS MEMORIAL BLVD., STE. 310  
KENNER, LA 70062 • PHONE (504)466-5901

**BKJ PROJECT NUMBER 9344-8350**

DESIGNED	PH	02/2025	OF
CHECKED	PH		
DETAILED	PH	DATE	SHEET
CHECKED	PH		
	PH	DATE	BY
		REVISION	DESCRIPTION
		DATE	NO.
		02/26/2025	ISSUE FOR BIDS



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HUEY P. LONG AVE.  
STREET LIGHTING 11TH ST-WBE  
SCHEDULES AND ABBREVIATIONS

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KENNER, LA 70062 • PHONE (504)486-5901

DESIGNED	PH	02/2025	OF
CHECKED	PH		
DETAILED	PH	DATE	SHEET
CHECKED	PH	NO.	BY
REVISION	DESCRIPTION	DATE	BY
02/26/2025	ISSUE FOR BIDS		

### LUMINAIRE SCHEDULE

TAG	NOTES	DESCRIPTION	CATALOG	VOLTAGE	LAMP
F1	1	DECORATIVE TEARDROP	SUN VALLEY	208-240	LED
	2	TYPE IV	LCW-CPA		27W
	3	POST TOP	SERIES		
	4,5	POLYCARBONATE LENS			

- LUMINAIRE SCHEDULE NOTES
- UL LISTED AND APPROVED FOR WET LOCATIONS AT A MAXIMUM OF 40 DEGREES C AMBIENT TEMPERATURE.
  - LUMINAIRES SHALL HAVE AN IDENTIFIED GROUNDING CONDUCTOR FROM HEAD TO POLE GROUNDING CONDUCTOR.
  - MOUNTING HEIGHT: 15'-0" ABOVE FINISHED GRADE.
  - SUN VALLEY CAT# MOD/LCW-MOD/FITTER-CPA-PA-IV-48LED-175mA-40K-UNV-PT-RAL9005T. BLACK TEXTURED FINISH.
  - ROUND TAPERED FLUTED ALUMINUM POLE SHAFT, ASHTO COMPLIANT BREAK-AWAY COUPLINGS, WITH DECORATIVE BASE COVER TO MATCH F1 POLE. REFERENCE E5.0 FOR DETAILS. SUN VALLEY. CAT# 17-1030C-12FT-PT27-GFI-(2)BBA-21-RAL9005T. FURNISHED AND INSTALLED BY OWNER.

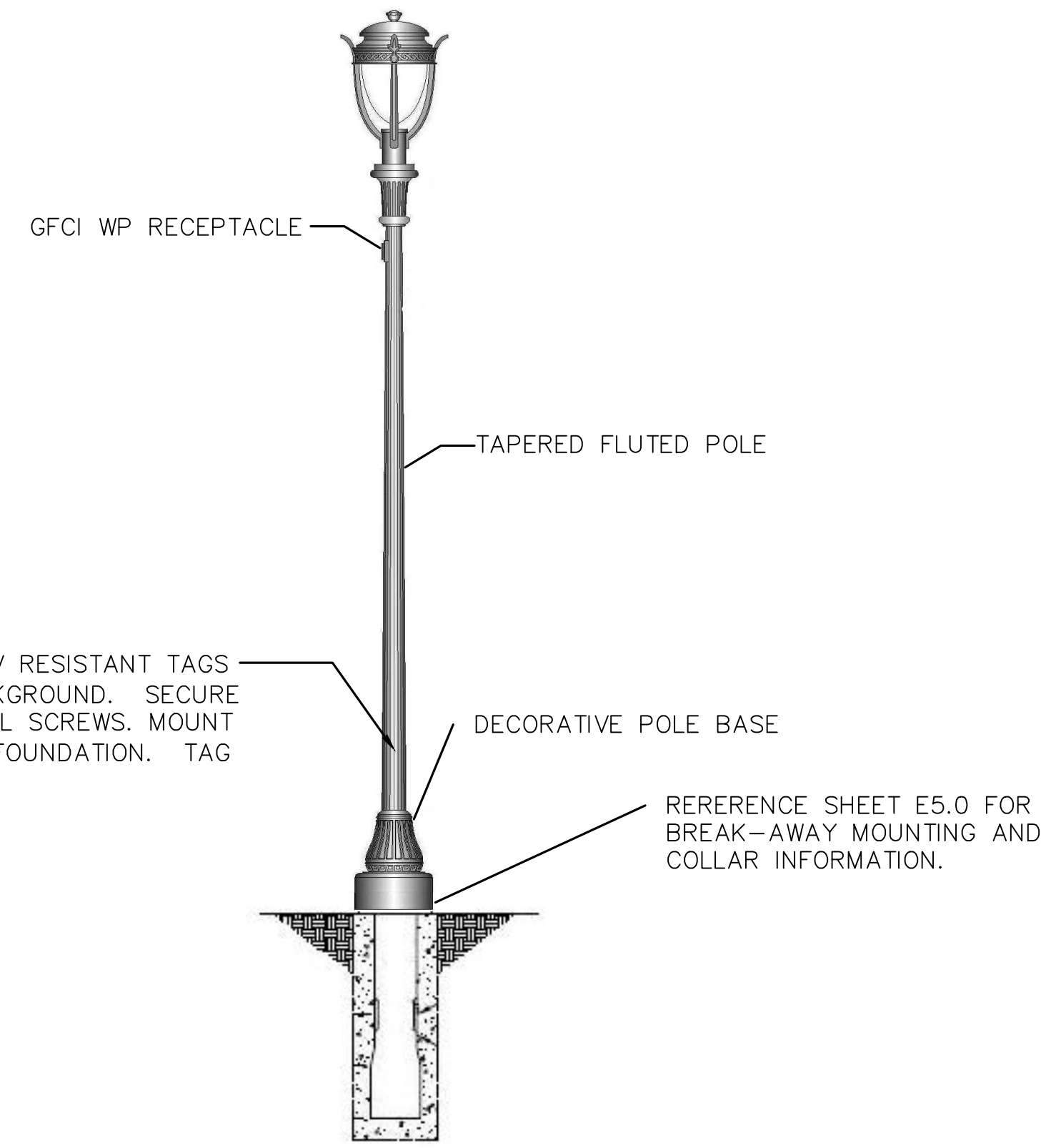
SCOPE OF WORK:

LUMINAIRES AND POLES WILL BE FURNISHED AND INSTALLED BY CITY OF GRETNA.

UTILITY CONTACTS:

CONTRACTOR SHALL CONTACT THE APPROPRIATE CONTACTS FOR UTILITIES TO COORDINATE WORK, LOCATION OF UTILITIES, IF AN OBSTRUCTION IS ENCOUNTERED, OR TO REPORT DAMAGE TO UTILITY SERVICES. THE UTILITY OWNER WILL MAKE DETERMINATION AS TO THE COST AND METHOD OF REPAIRS TO DAMAGED UTILITIES.

- LOUISIANA ONE CALL: 800-272-3020
- WATER: MADASON PRIORE, 504-262-5580, MPRIORE@GRETNALA.COM
- SANITARY SEWER: MADASON PRIORE, 504-262-5580, MPRIORE@GRETNALA.COM
- STORM SEWER: MADASON PRIORE, 504-262-5580, MPRIORE@GRETNALA.COM
- GAS: ATMOS ENERGY, ARSHEILD, 318-366-5003, ARSHEILD.CAREY@ATMOSENERGY.COM
- ELECTRIC: ENTERGY, RAYSHARD ALLEN, 504-365-3632, RALLEN7@ENTERGY.COM
- TELEPHONE: AT&T, JOHN DOMINO, 504-380-1925, JD140A@ATT.COM



POLE IDENTIFICATION LABELS SHALL BE UV RESISTANT TAGS WITH 1" TALL WHITE TEXT ON BLACK BACKGROUND. SECURE LABEL TO POLE WITH 316 STAINLESS STEEL SCREWS. MOUNT TOP OF LABEL 30" ABOVE TOP OF POLE FOUNDATION. TAG TO FACE STREET.

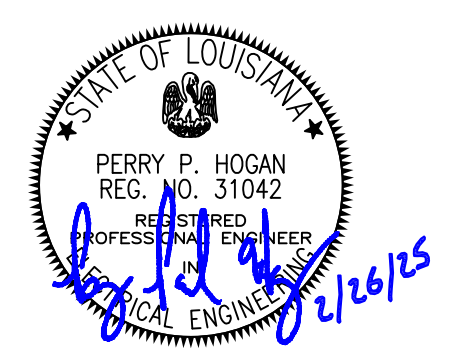
TYPE F1  
N.T.S.

### ABBREVIATIONS

<b>A</b>	AMPERE(S)	<b>HPS</b>	HIGH PRESSURE SODIUM	<b>P</b>	POLE	<b>UG</b>	UNDERGROUND
<b>AFF</b>	ABOVE FINISHED FLOOR	<b>HID</b>	HIGH INTENSITY DISCHARGE	<b>PHASE</b>		<b>U.L.</b>	UNDERWRITER'S LABORATORIES
<b>AFG</b>	ABOVE FINISHED GRADE	<b>HPL</b>	HUEY P. LONG AVENUE	<b>PRI</b>	PRIMARY		
<b>ALUM</b>	ALUMINUM			<b>PVC</b>	POLYVINYL CHLORIDE		
<b>AWG</b>	AMERICAN WIRE GAGE						
<b>C</b>	CONDUIT	<b>JB</b>	JUNCTION BOX	<b>R</b>	REINFORCED CONCRETE PIPE ARCH	<b>V</b>	VOLTS
<b>CB</b>	CATCH BASIN			<b>REC</b>	RECEPTACLE		
<b>CU</b>	COPPER	<b>LBS.</b>	POUNDS	<b>RGS</b>	RIGID GALVANIZED STEEL	<b>W</b>	WATTS, WIRE, WIDTH
<b>COMM</b>	COMMUNICATION	<b>LTG.</b>	LIGHTING			<b>X</b>	
		<b>LV</b>	LOW VOLTAGE	<b>S</b>	SECONDARY	<b>XFMR</b>	TRANSFORMER
<b>EXIST</b>	EXISTING			<b>SFM</b>	SEWERAGE FORCE MAIN		
<b>EUG</b>	ELECTRIC UNDERGROUND	<b>MH</b>	METAL HALIDE	<b>SMH</b>	SEWER MAN HOLE		
				<b>T</b>			
<b>FT.</b>	FOOT; FEET	<b>NEC</b>	NATIONAL ELECTRICAL CODE	<b>TELE</b>	TELEPHONE		
		<b>NIC</b>	NOT IN CONTRACT	<b>TMH</b>	TELECOMMUNICATION MANHOLE		
<b>GALV</b>	GALVANIZED	<b>NTS</b>	NOT TO SCALE	<b>TYP</b>	TYPICAL		



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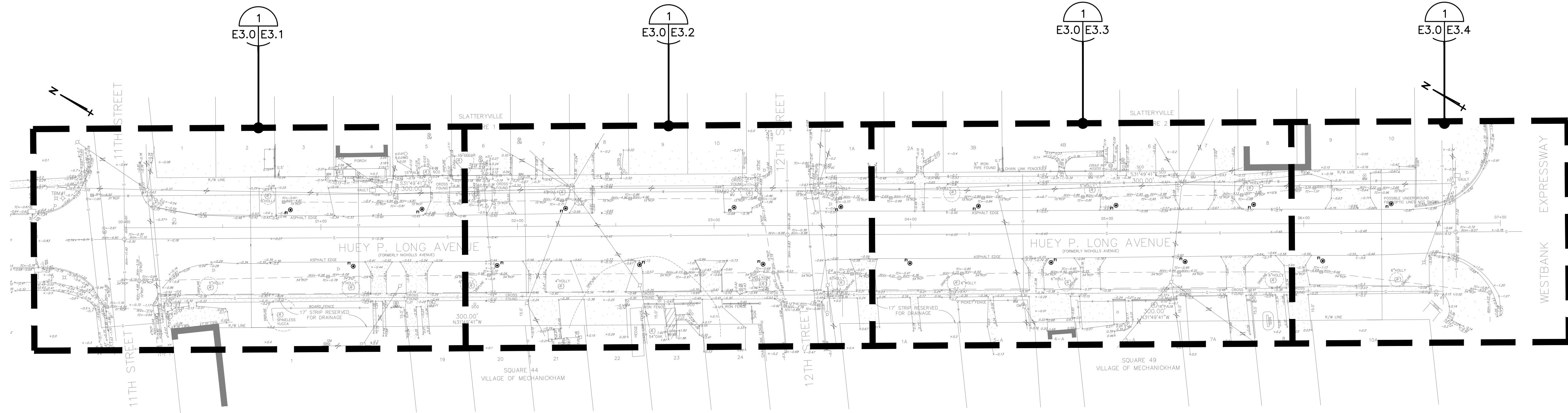
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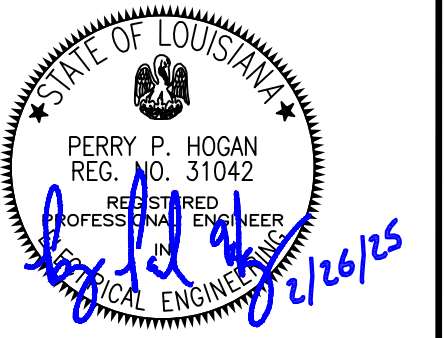
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1 LIGHTING KEY PLAN  
E3.0/E3.0



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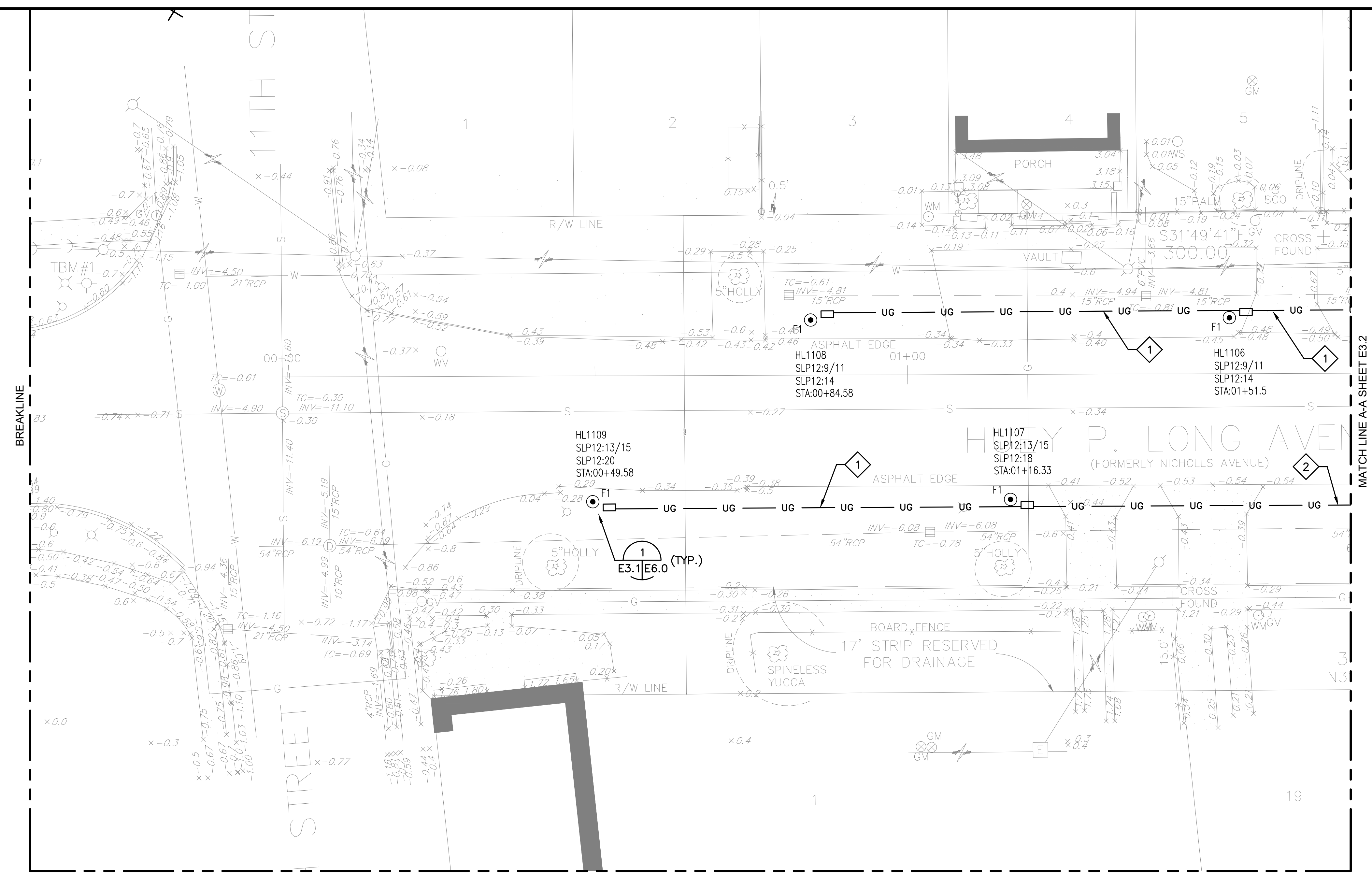
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DETAILED	PH		
CHECKED	PH		
DATE	REVISION DESCRIPTION	BY	
02/26/2025	ISSUE FOR BIDS	PH	
NO.			



FILE NAME: X.DWG

DATE:

XREF: NONE



1 LIGHTING PLAN 11th St. TO Westbank Expressway  
E3.0/E3.1

**SHEET E3.1 NOTES:**

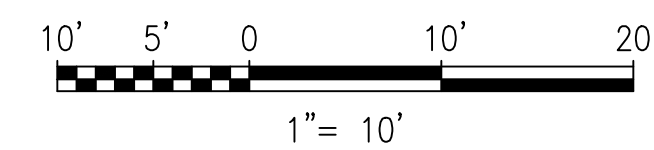
- PROJECT INVOLVES PLACING POLE FOUNDATIONS IN CLOSE PROXIMITY TO OVERHEAD POWER AND COMMUNICATIONS LINES AND UNDERGROUND UTILITIES. CONTRACTOR SHALL EXERCISE CAUTION AND MAINTAIN PROPER UTILITY STANDARD CLEARANCES.
- UNLESS OTHERWISE STATED, PROVIDE 1 1/2" SCHEDULE 40 PVC/HDPE CONDUIT FOR UNDERGROUND LIGHTING AND RECEPTACLE CIRCUITING.
- CONDUIT ROUTING AND BOX LOCATIONS ARE SCHEMATIC, ROUTING MAY BE ADJUSTED TO AVOID INTERFERENCES.
- ALL TRENCHING/BORING/DRILLING WITHIN EXISTING TREE CANOPY SHALL BE COORDINATED WITH AND APPROVED BY ARBORIST PRIOR TO COMENCING ANY WORK AROUND TREES.
- UNLESS NOTED OTHERWISE, PROVIDE #10 AWG COPPER CONDUCTORS FOR ALL LUMINAIRE CIRCUITS.
- POLE SETBACK SHALL BE APPROXIMATELY 3' C.L. OF POLE TO ASPHALT EDGE.
- ALL LIGHTING AND RECEPTACLE CIRCUITS SHALL BE ROUTED TO PANELBOARD VIA LIGHTING CONTROL PANEL.
- REFERENCE SHEETS E5.0 FOR PANELBOARD SCHEDULE.

**SHEET E3.1 SPECIFIC NOTES:**

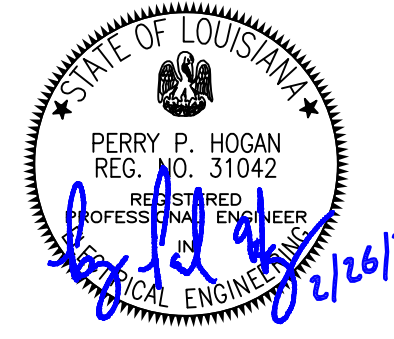
- 1 1- 1 1/2"C, 2 #10, 2 #8, 1 #6 BARE GND.
- 2 1- 1 1/2"C, 2 #10, 4 #8, 1 #6 BARE GND.

**SCOPE OF WORK:**

- CONTRACTOR SHALL FURNISH AND INSTALL ALL POLE FOUNDATIONS, CONDUIT, PULL STRINGS IN EMPTY CONDUIT, PULL BOXES, AND POWER CENTER FOUNDATION/STRUCTURAL RACK. COORDINATE POWER CENTER RACEWAY STUB UPS WITH CITY OF GRETN.
- CITY OF GRETN WILL FURNISH POLE ANCHOR BOLTS TO CONTRACTOR. CITY OF GRETN WILL FURNISH AND INSTALL POLES, LUMINAIRES, CONDUCTORS, POWER CENTER ELECTRICAL DISTRIBUTION EQUIPMENT AND MAKE ALL TERMINATIONS.



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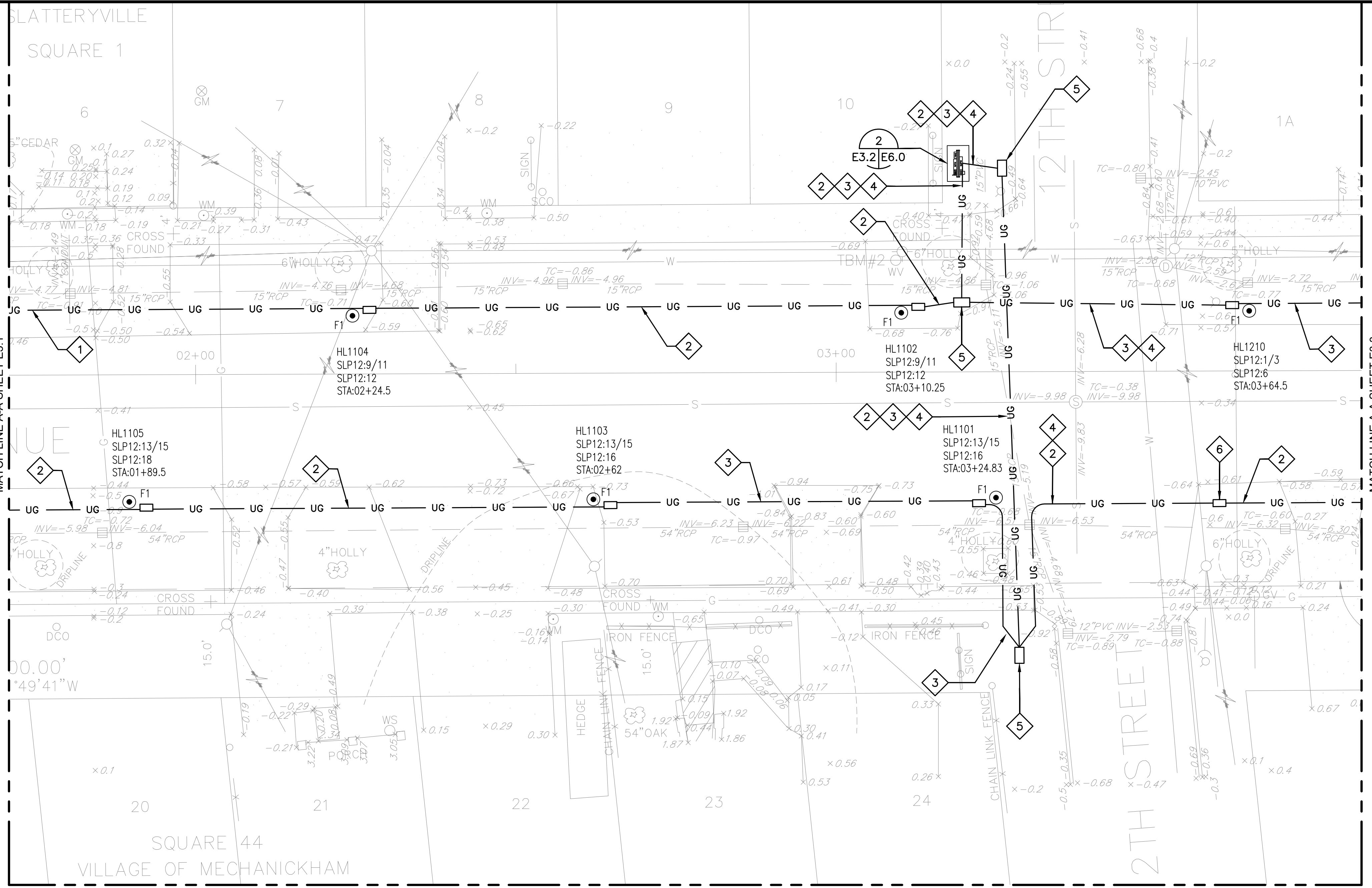
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1	02/26/2025	ISSUE FOR BIDS	PH



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DATE:

FILE NAME: X.DWG



1 LIGHTING PLAN 11th St. TO Westbank Expressway  
E3.0/E3.2

**SHEET E3.2 NOTES:**

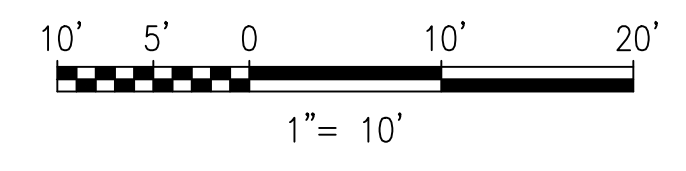
- PROJECT INVOLVES PLACING POLE FOUNDATIONS IN CLOSE PROXIMITY TO OVERHEAD POWER AND COMMUNICATIONS LINES AND UNDERGROUND UTILITIES. CONTRACTOR SHALL EXERCISE CAUTION AND MAINTAIN PROPER UTILITY STANDARD CLEARANCES.
- UNLESS OTHERWISE STATED, PROVIDE 1 1/2" SCHEDULE 40 PVC/HDPE CONDUIT FOR UNDERGROUND LIGHTING AND RECEPTACLE CIRCUITING.
- CONDUIT ROUTING AND BOX LOCATIONS ARE SCHEMATIC, ROUTING MAY BE ADJUSTED TO AVOID INTERFERENCES.
- ALL TRENCHING/BORING/DRILLING WITHIN EXISTING TREE CANOPY SHALL BE COORDINATED WITH AND APPROVED BY ARBORIST PRIOR TO COMMENCING ANY WORK AROUND TREES.
- UNLESS NOTED OTHERWISE, PROVIDE #10 AWG COPPER CONDUCTORS FOR ALL LUMINAIRE CIRCUITS.
- POLE SETBACK SHALL BE APPROXIMATELY 3' C.L. OF POLE TO ASPHALT EDGE.
- ALL LIGHTING AND RECEPTACLE CIRCUITS SHALL BE ROUTED TO PANELBOARD VIA LIGHTING CONTROL PANEL.
- REFERENCE SHEETS E5.0 FOR PANELBOARD SCHEDULE.

**SHEET E3.2 SPECIFIC NOTES:**

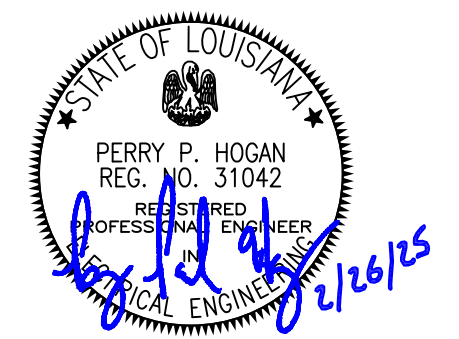
- 1- 1 1/2"C, 2 #10, 2 #8, 1 #6 BARE GND.
- 2- 1 1/2"C, 2 #10, 4 #8, 1 #6 BARE GND.
- 3- 1 1/2"C, 2 #10, 6 #8, 1 #6 BARE GND.
- 4- 1 1/2"C SPARE.
- 5 PROVIDE QUAZITE 17" X 30" PG STYLE PULL BOX TO CAPTURE RACEWAY INDICATED.
- 6 PROVIDE QUAZITE 13" X 24" PG STYLE PULL BOX TO CAPTURE RACEWAY INDICATED.

**SCOPE OF WORK:**

- CONTRACTOR SHALL FURNISH AND INSTALL ALL POLE FOUNDATIONS, CONDUIT, PULL STRINGS IN EMPTY CONDUIT, PULL BOXES, AND POWER CENTER FOUNDATION/STRUCTURAL RACK. COORDINATE POWER CENTER RACEWAY STUB UPS WITH CITY OF GRETNA.
- CITY OF GRETNA WILL FURNISH POLE ANCHOR BOLTS TO CONTRACTOR. CITY OF GRETNA WILL FURNISH AND INSTALL POLES, LUMINAIRES, CONDUCTORS, POWER CENTER ELECTRICAL DISTRIBUTION EQUIPMENT AND MAKE ALL TERMINATIONS.



**CALL BEFORE YOU DIG:**  
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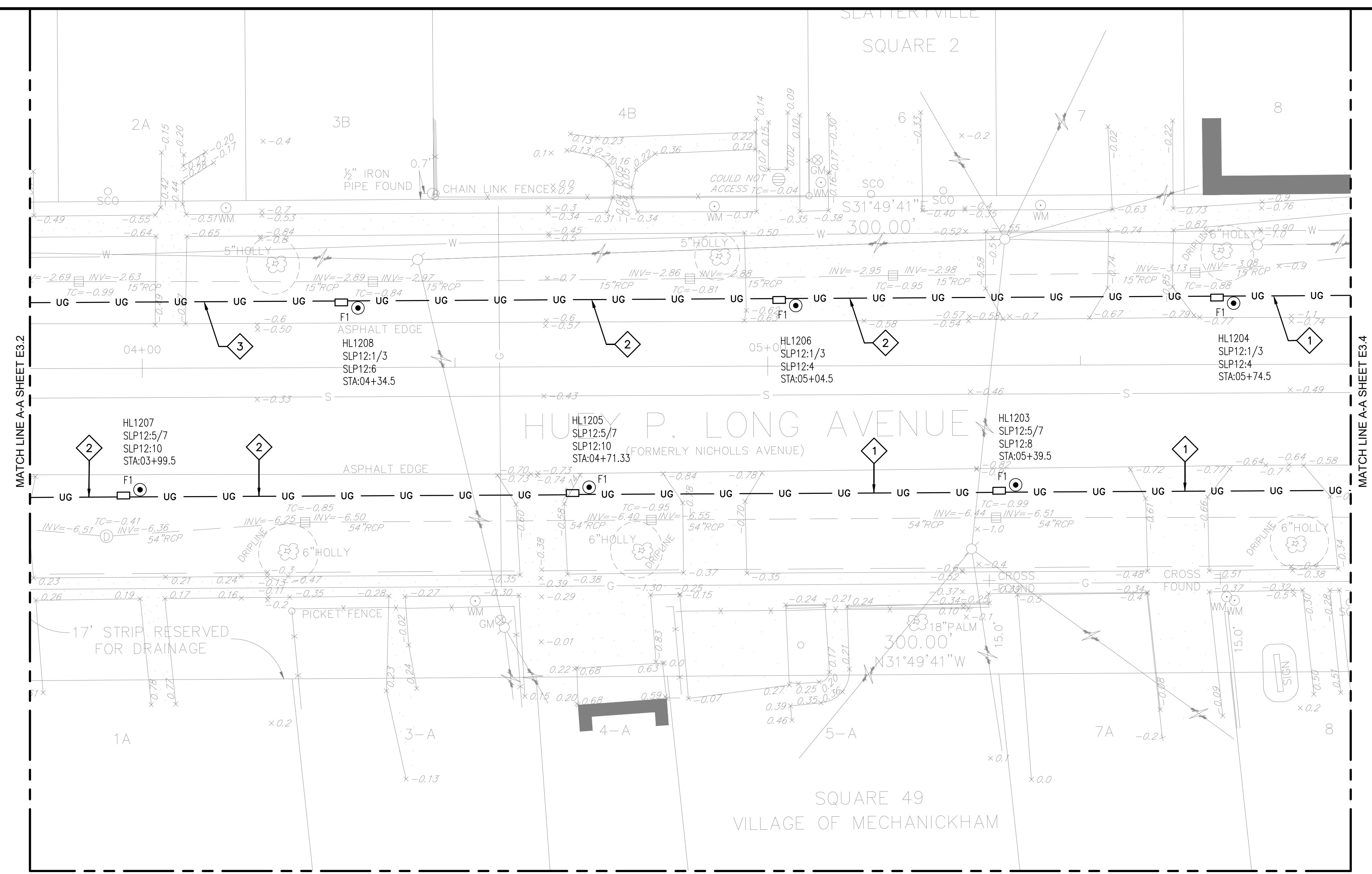
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02/26/2025	DATE	PH	BY



XREF: NONE

DATE:

FILE NAME: X.DWG



1 LIGHTING PLAN 11th St. TO Westbank Expressway  
E3.0|E3.3

**SHEET E3.3 NOTES:**

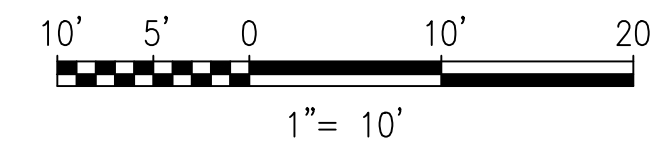
- PROJECT INVOLVES PLACING POLE FOUNDATIONS IN CLOSE PROXIMITY TO OVERHEAD POWER AND COMMUNICATIONS LINES AND UNDERGROUND UTILITIES. CONTRACTOR SHALL EXERCISE CAUTION AND MAINTAIN PROPER UTILITY STANDARD CLEARANCES.
- UNLESS OTHERWISE STATED, PROVIDE 1 1/2" SCHEDULE 40 PVC/HDPE CONDUIT FOR UNDERGROUND LIGHTING AND RECEPTACLE CIRCUITING.
- CONDUIT ROUTING AND BOX LOCATIONS ARE SCHEMATIC, ROUTING MAY BE ADJUSTED TO AVOID INTERFERENCES.
- ALL TRENCHING/BORING/DRILLING WITHIN EXISTING TREE CANOPY SHALL BE COORDINATED WITH AND APPROVED BY ARBORIST PRIOR TO COMENCING ANY WORK AROUND TREES.
- UNLESS NOTED OTHERWISE, PROVIDE #10 AWG COPPER CONDUCTORS FOR ALL LUMINAIRE CIRCUITS.
- POLE SETBACK SHALL BE APPROXIMATELY 3' C.L. OF POLE TO ASPHALT EDGE.
- ALL LIGHTING AND RECEPTACLE CIRCUITS SHALL BE ROUTED TO PANELBOARD VIA LIGHTING CONTROL PANEL.
- REFERENCE SHEETS E5.0 FOR PANELBOARD SCHEDULE.

**SHEET E3.3 SPECIFIC NOTES:**

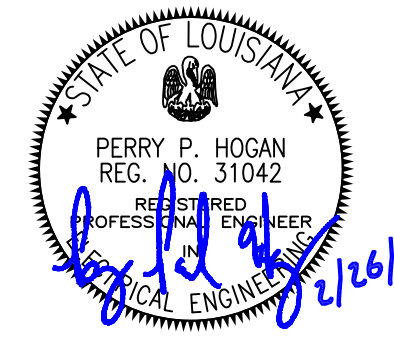
- 1 1- 1 1/2"C, 2 #10, 2 #8, 1 #6 BARE GND.
- 2 1- 1 1/2"C, 2 #10, 4 #8, 1 #6 BARE GND.
- 3 1- 1 1/2"C, 2 #10, 6 #8, 1 #6 BARE GND.

**SCOPE OF WORK:**

- CONTRACTOR SHALL FURNISH AND INSTALL ALL POLE FOUNDATIONS, CONDUIT, PULL STRINGS IN EMPTY CONDUIT, PULL BOXES, AND POWER CENTER FOUNDATION/STRUCTURAL RACK. COORDINATE POWER CENTER RACEWAY STUB UPS WITH CITY OF GRETN.
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**BKJ BURK-KLEINPETER, INC.**  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LA 70119-5994  
PHONE (504)486-5901 \* FAX (504)488-1714

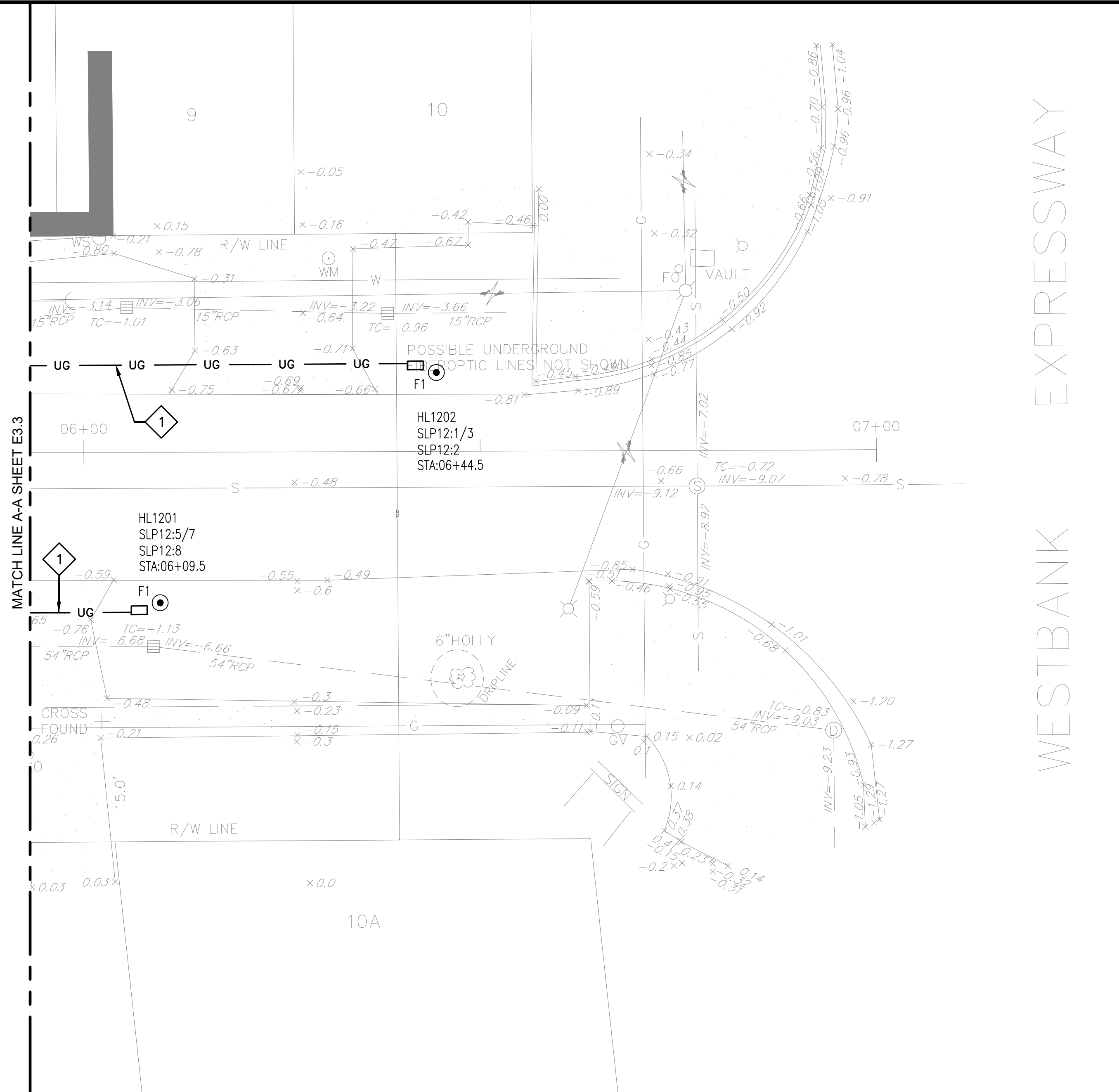
**BKI PROJECT NUMBER 9344-8350**

DESIGNED	PH	02/2025	OF
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DETAILED	PH	DATE	SHEET
CHECKED	PH		
NO.	DATE	REVISION	DESCRIPTION
1	02/26/2025	ISSUE FOR BIDS	PH

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DATE:

FILE NAME: X.DWG



1 LIGHTING PLAN 11th St. TO Westbank Expressway  
E3.0|E3.4

BREAKLINE

**SHEET E3.4 NOTES:**

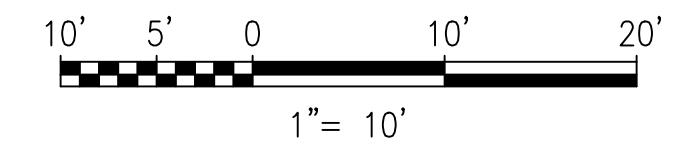
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- UNLESS OTHERWISE STATED, PROVIDE 1 1/2" SCHEDULE 40 PVC/HDPE CONDUIT FOR UNDERGROUND LIGHTING AND RECEPTACLE CIRCUITING.
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- POLE SETBACK SHALL BE APPROXIMATELY 3' C.L. OF POLE TO ASPHALT EDGE.
- ALL LIGHTING AND RECEPTACLE CIRCUITS SHALL BE ROUTED TO PANELBOARD VIA LIGHTING CONTROL PANEL.
- REFERENCE SHEETS E5.0 FOR PANELBOARD SCHEDULE.

**SHEET E3.4 SPECIFIC NOTES:**

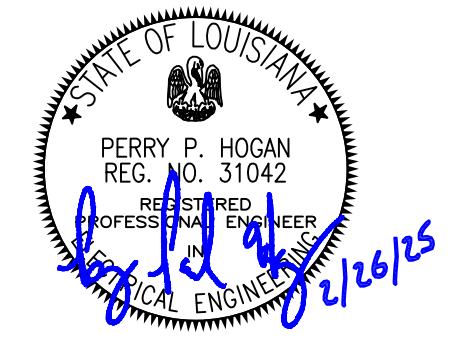
- 1- 1 1/2"C, 2 #10, 2 #8, 1 #6 BARE GND.

**SCOPE OF WORK:**

- CONTRACTOR SHALL FURNISH AND INSTALL ALL POLE FOUNDATIONS, CONDUIT, PULL STRINGS IN EMPTY CONDUIT, PULL BOXES, AND POWER CENTER FOUNDATION/STRUCTURAL RACK. COORDINATE POWER CENTER RACEWAY STUB UPS WITH CITY OF GRETNA.
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**BKI PROJECT NUMBER 9344-8350**

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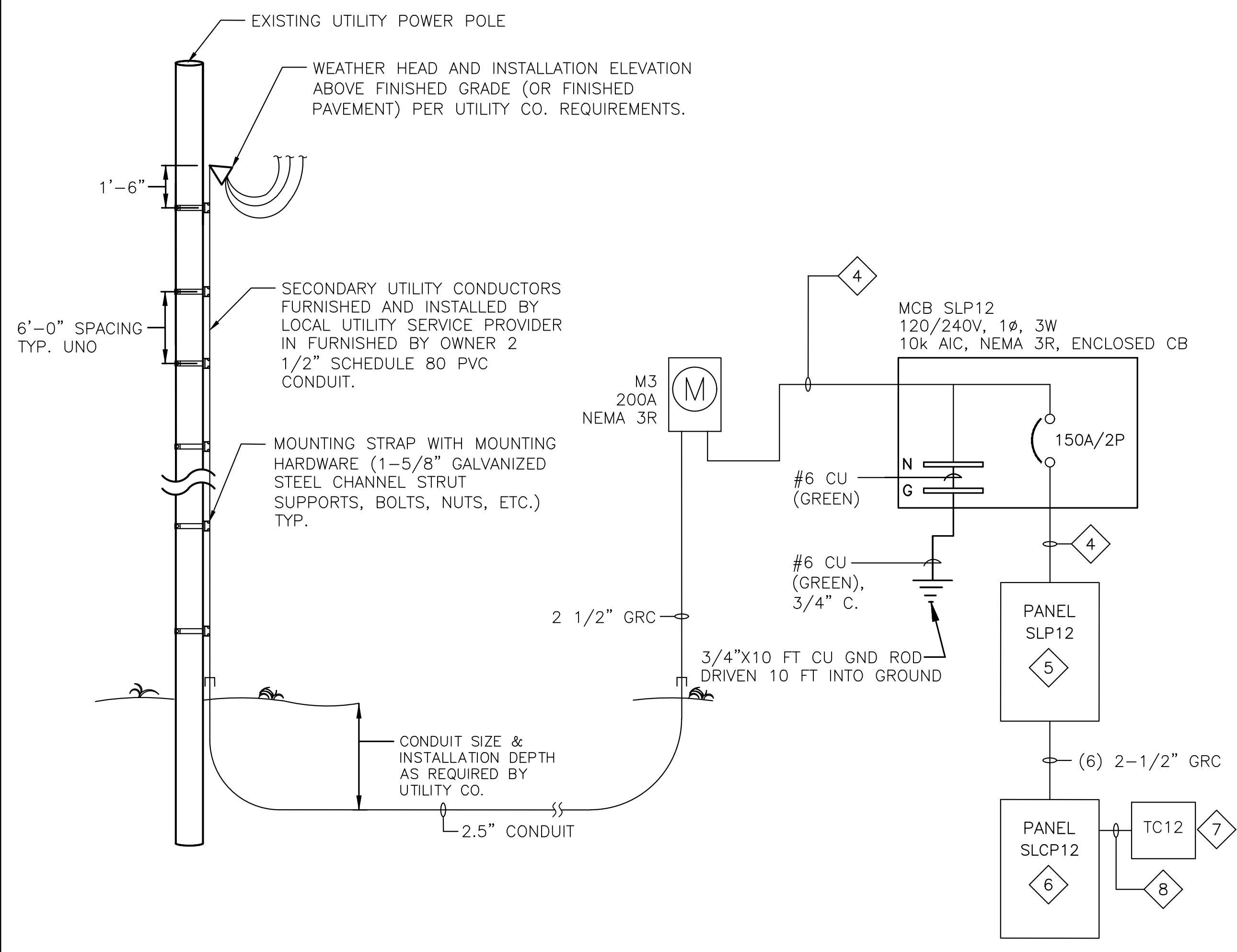


**HUEY P. LONG AVE.**  
**STREET LIGHTING 11TH ST-WBE**  
**ONE-LINE, PANEL SCHEDULE, & DETAILS**

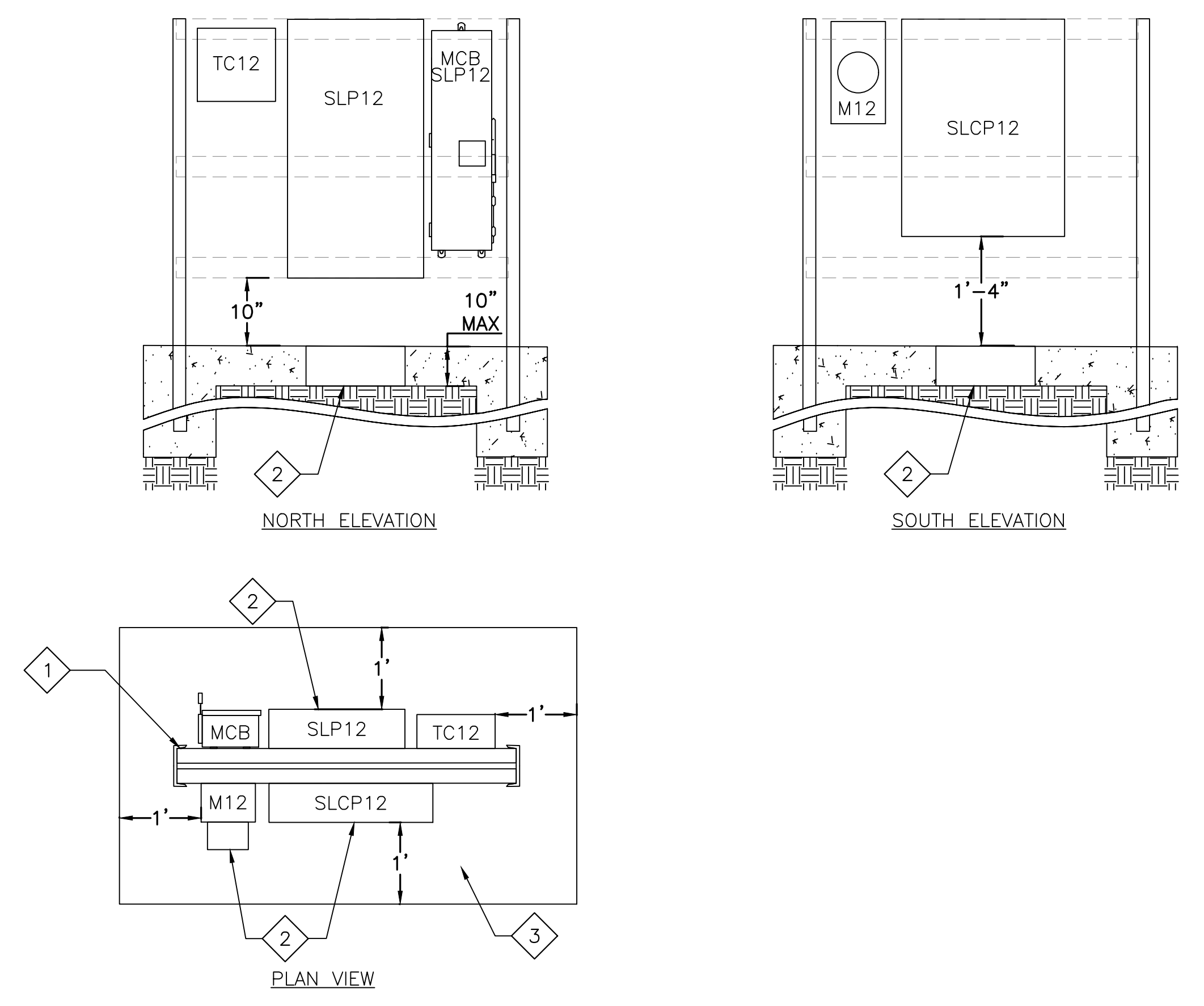
**BKJ BURK-KLEINPETER, INC.**  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 2400 VETERANS MEMORIAL BLVD., STE. 310  
 KENNER, LA 70062 • PHONE (504)486-5901

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DATE	SHEET		
PH	BY		
NO.	DATE		

BKI PROJECT NUMBER **9344-8350**



**1** ELECTRICAL ONE-LINE DIAGRAM - SLP12  
 E5.0/E5.0 SCALE: N.T.S.



**2** PANEL MOUNTING DETAILS  
 E3.2/E5.0 SCALE: N.T.S.

**SHEET E5.0 SPECIFIC NOTES:**

- 1** PAINT ALL STRUCTURAL SUPPORTS, FASTENING MATERIALS, PANELS, CANS, CONDUIT, ETC. AND ANY EXPOSED MATERIALS MELOTT GREEN, OR AS SELECTED BY OWNER. SUBMIT SAMPLE COLOR CHIPS FOR ENGINEER AND OWNER APPROVAL. ALL EQUIPMENT (INCLUDING BUT NOT LIMITED TO ALL METER, TROUGH, PANELBOARD, CIRCUIT BREAKER, AND LIGHTING CONTROL PANEL) SHALL BE FACTORY PAINTED OR PROFESSIONALLY PAINTED WITH SUPER TGIC THERMOSET POLYESTER POWDER COAT PAINT, WITH MINIMUM OF 2 COATS PRIMER, 2 COATS RUST INHIBITOR & 2 FINAL COATS. ALL STRUCTURAL SUPPORTS, FASTENING MATERIALS, CONDUIT, ETC. SHALL BE PROFESSIONALLY PAINTED WITH SUPER TGIC THERMOSET POLYESTER POWDER COAT PAINT, WITH MINIMUM OF 2 COATS PRIMER & 2 FINAL COATS. AFTER INSTALLATION AND TESTING IS COMPLETE, ALL STRUCTURAL SUPPORTS, FASTENING MATERIALS, EQUIPMENT, CONDUIT, ETC. SHALL HAVE TOUCH-UP PAINT APPLIED TO ANY AREA WHERE THE FACTORY OR PROFESSIONAL PAINT IS DAMAGED.
- 2** PROVIDE BLOCK OUT FOR CONDUIT INCLUDING ROOM FOR SPARES. FILL IN BLOCK OUT WITH LIGHT WEIGHT CONCRETE AFTER ALL CONDUIT HAS BEEN INSTALLED.
- 3** PAD TO BE REINFORCED 3000# PSI CONCRETE MINIMUM WITH MAXIMUM 10\"/>

- 6** PROVIDE BASIC CONTACTOR LIGHTING CONTROL PANEL. PANEL SHALL CONSIST OF NEMA 3R ENCLOSURE WITH FACTORY ASSEMBLED INTERIOR WITH TUB, COVER, AND POWER SUPPLY. PROVIDE CONTACTOR RELAYS FOR A MINIMUM OF 24 CIRCUITS/RELAYS. SYSTEM SHALL CONSIST OF RELAY PANEL, SYSTEM ASTRONOMICAL TIME CLOCK, CONTROLLER AND GROUP SWITCHING CARD. SHALL INCLUDE ALL MEETINGS WITH USER GROUP TO DEFINE SCHEDULE REQUIREMENT, ON SITE PROGRAMMING AND 2 HOUR INSTRUCTIONS. CONTRACTOR IS RESPONSIBLE FOR ALL HARDWARE, SOFTWARE, WIRING, CONDUIT, EQUIPMENT, ETC. AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL LIGHTING CONTROL PANEL SYSTEM INSTALLATION WITHOUT ANY ADDITIONAL COST TO THE OWNER. FINAL EQUIPMENT OPTIONS, ACCESSORIES, CAPACITY, ETC. SHALL BE DETERMINED DURING SHOP DRAWINGS REVIEW PROCESS AT NO ADDITIONAL COSTS. WATTSTOPPER MODEL #LP24S SERIES OR APPROVED EQUIVALENT.
- 7** PROVIDE SYSTEM ASTRONOMICAL TIME CLOCK, 8 CIRCUIT, NEMA 3R HEAVY DUTY ENCLOSURE WITH LOCKABLE HASP, 4000 EVENTS, 1 MINUTE TO 7 DAY TIME INTERVALS, 120-240V. INTERMATIC MODEL #ET70815CR OR APPROVED EQUIVALENT.
- 8** 6#12 + 1#12 GROUND IN 3/4\"/>

**SCOPE OF WORK:**

1. CONTRACTOR SHALL COORDINATE POWER CENTER LOCATION AND CONDUIT STUB UPS WITH CITY OF GRETTA.
2. CITY OF GRETTA WILL FURNISH AND INSTALL ALL WORK SHOWN ON THIS SHEET.

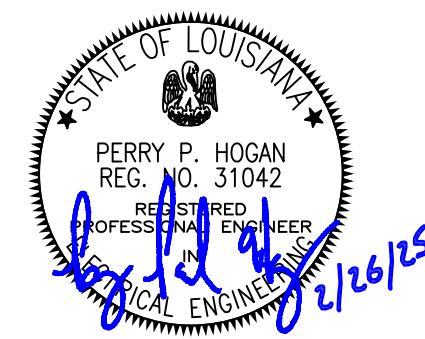
CKT 30		NEMA 3R		SYM RMS AMPS		22000					
MAIN		SYSTEM VOLTAGE		SCHEDULE OF PANEL				MOUNTINGSURFACE			
MLO 225		120/240 1ph, 3wire		SLP12				LOCATIONHPL @ 4TH			
CIR NO.	CIRCUIT DESCRIPTION	C/B TRIPPLE	KVA	PHASES		KVA	POLE	C/B TRIP	CIRCUIT DESCRIPTION	CIR NO.	
				A	B						
1	LIGHTING	20	2	0.14	0.43	0.36	1	20	RECEPTACLES	2	
3						0.72	1	20	RECEPTACLES	4	
5	LIGHTING	20	2	0.11	0.77	0.72	1	20	RECEPTACLES	6	
7						0.72	1	20	RECEPTACLES	8	
9	LIGHTING	20	2	0.11	0.77	0.72	1	20	RECEPTACLES	10	
11						0.72	1	20	RECEPTACLES	12	
13	LIGHTING	20	2	0.14	0.79	0.72	1	20	RECEPTACLES	14	
15						0.72	1	20	RECEPTACLES	16	
17	SPARE	20	2		0.72	0.72	1	20	RECEPTACLES	18	
19						0.36	0.36	1	20	RECEPTACLES	20
21	SPARE	20	2				1	20	SPARE	22	
23							1	20	SPARE	24	
25	SPARE	20	2				1	20	SPARE	26	
27							1	20	SPARE	28	
29	TC12	20	1	0.10	0.10		1	20	SPARE	30	
				TOTAL KVA CONNECTED :		7.07		KVA			

**3** PANEL SCHEDULE  
 E5.0/E5.0 SCALE: N.T.S.

FOR REFERENCE ONLY



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DATE:

FILE NAME: X.DWG





HUEY P. LONG AVE.  
STREET LIGHTING 11TH ST-WBE  
ELECTRICAL TYPICAL DETAILS

**BKJ** BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
2400 VETERANS MEMORIAL BLVD., STE. 310  
KENNER, LA 70062 • PHONE (504)486-5901

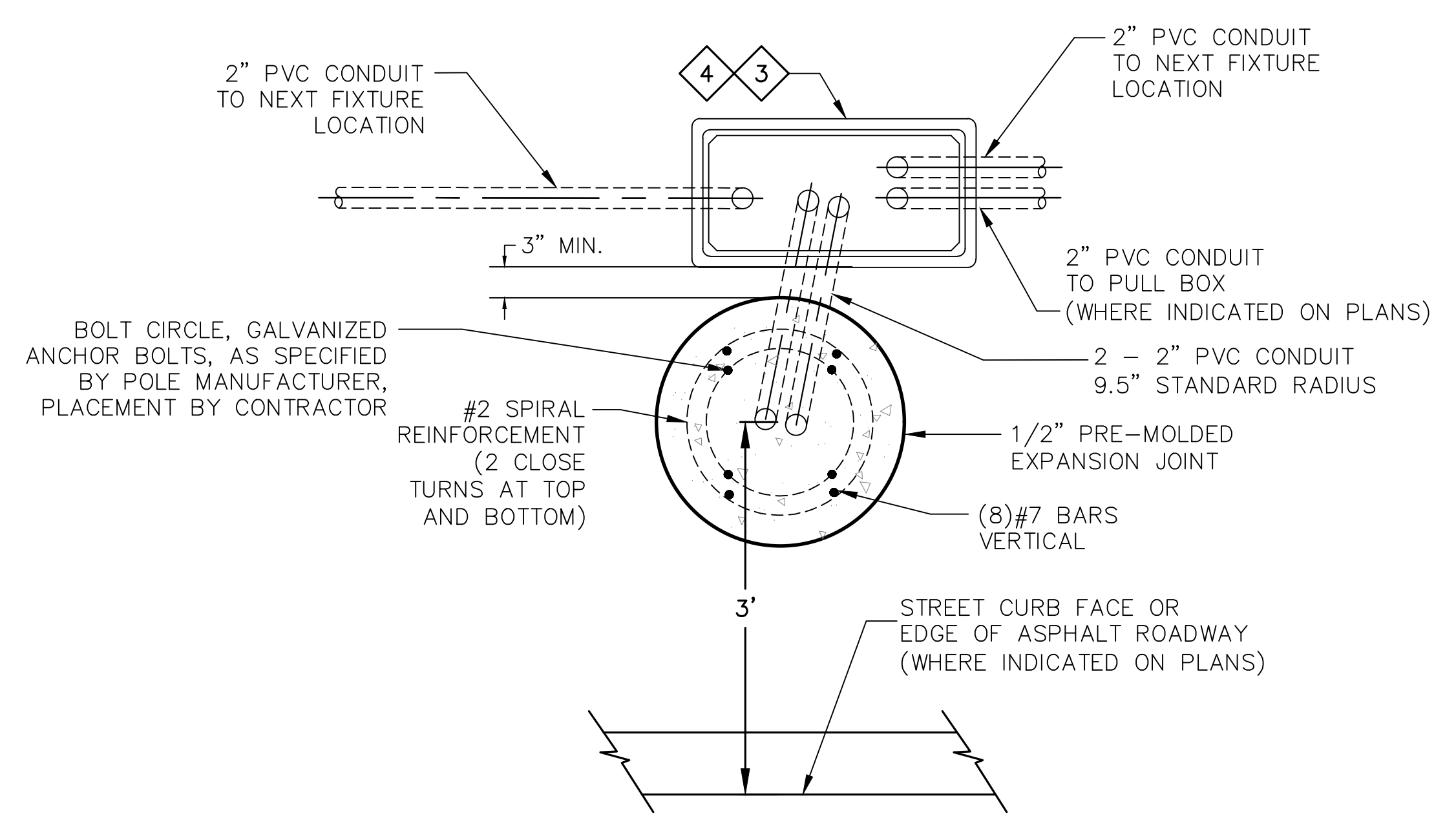
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DETAILED	PH		
CHECKED	PH		
DATE	SHEET		
PH	BY		
NO.	DATE	REVISION	DESCRIPTION
1	02/26/2025	ISSUE FOR BIDS	

**SHEET E6.0 NOTES:**

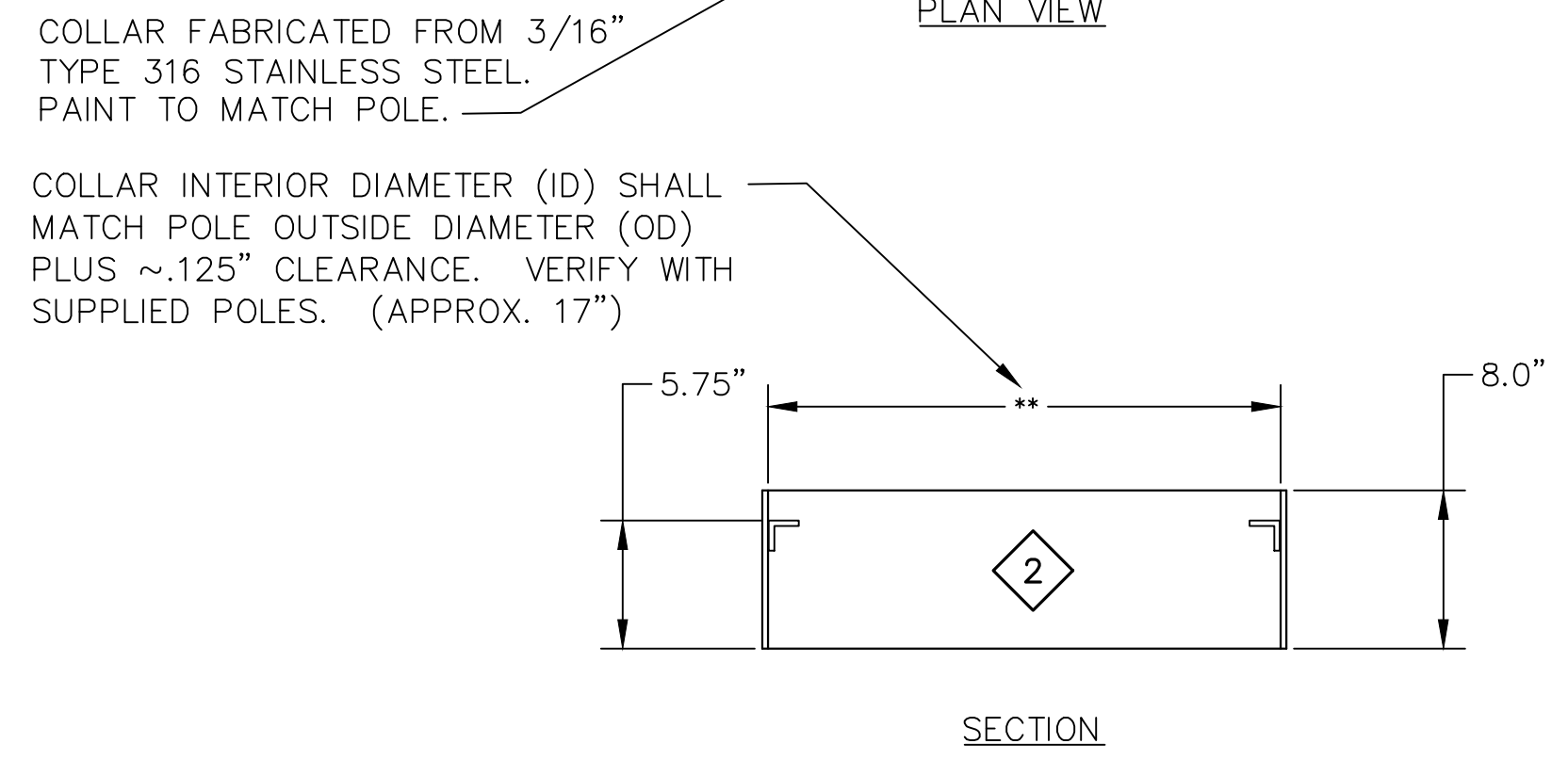
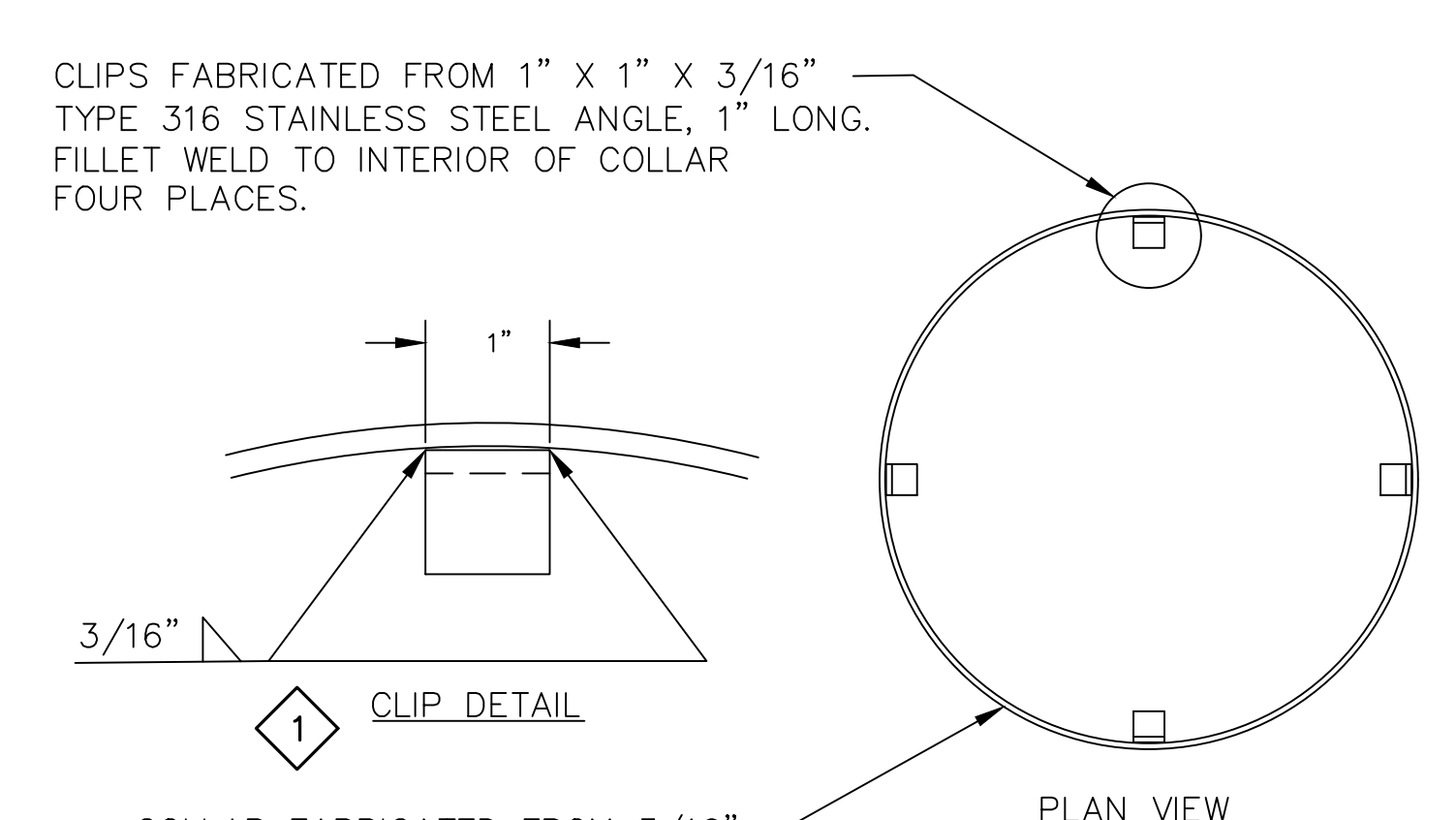
- FOUNDATIONS SHALL BE OF CONCRETE CAST IN PLACE. 90 DEGREE PVC SCHEDULE 80 CONDUIT RADIUS FITTINGS (QUANTITY AS SHOWN IN DETAILS) WITH BUSHING AT TOP SHALL BE PROVIDED FOR RACEWAY AND SHALL BE PLACED WITH THE RACEWAY EXTENDING FOUR INCHES (4") ABOVE THE TOP OF THE FOUNDATION, AND SHALL EXTEND SIX INCHES (6") FROM SIDES OF THE FOUNDATION, BELOW GRADE, MINIMUM TWO FEET (2') BELOW GRADE.
- INSTALLERS SHALL ALWAYS EXCAVATE THE PULL BOX HOLE AT LEAST 6"-8" DEEPER THAN THE DEPTH OF THE ENCLOSURE TO ALLOW FOR THE PLACEMENT OF A MINIMUM 6" OF GRAVEL IN THE BOTTOM OF THE HOLE. THE GRAVEL BASE SHOULD EXTEND 6" BEYOND THE SIDEWALLS OF THE ENCLOSURE.
- BASE COLLARS SHALL BE SHOP FABRICATED FROM TYPE 316 STAINLESS STEEL. SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION. VERIFY DIMENSIONS OF POLE BASES, DIAMETER SHOWN IS FOR BID PURPOSES ONLY. FABRICATE QUANTITY REQUIRED PLUS 25% FOR SPARE REPLACEMENTS.

**SHEET E6.0 SPECIFIC NOTES:**

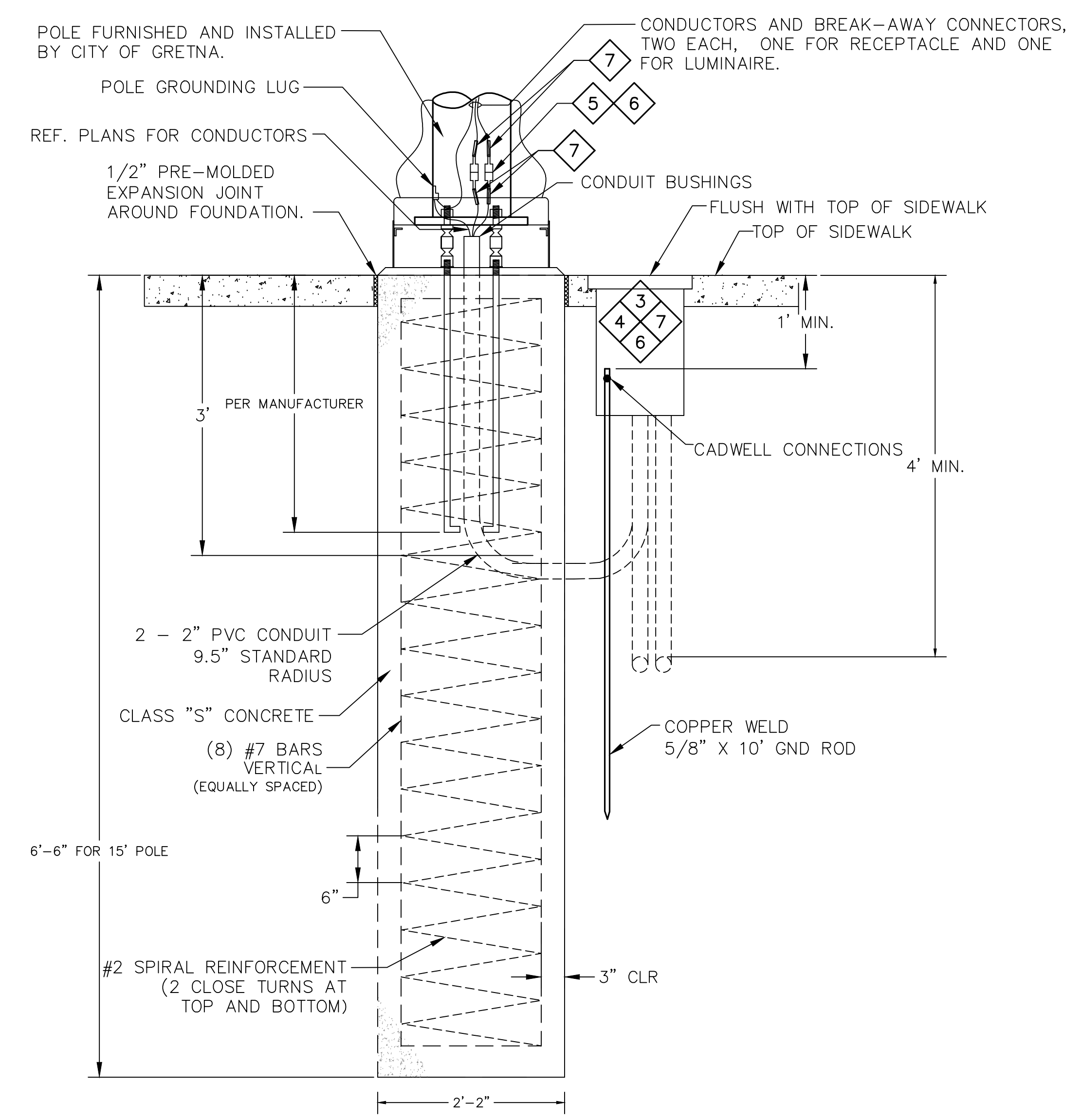
- CLIPS ARE INTENDED AS RETAINER CLIPS TO PREVENT COLLAR FROM BEING LIFTED AFTER POLES ARE INSTALLED. VERIFY DIMENSIONS WITH BREAK-AWAY HARDWARE PRIOR TO FABRICATION.
- VERIFY ALL DIMENSIONS WITH BREAK-AWAY HARDWARE AND POLE PRIOR TO FABRICATION.
- QUAZITE 13" X 24" PG STYLE (STACKABLE) ASSEMBLY. OPEN BOTTOM W/2 MOUSEHOLES (PG1324BG18), WITH GASKET HEAVY DUTY TRAFFIC RATED COVER AND TWO BOLTS (PG1324HH0029), IMPRINTED "LIGHTING" ON TOP. FURNISH AS INDICATED ON PLANS.
- PROVIDE BOX AT ALL F1A POLE LOCATIONS. BOX NOT SHOWN ON PLANS FOR CLARITY.
- PROVIDE TWO SETS OF BREAK-AWAY CABLES AND CONNECTORS FOR EACH POLE. ONE TO SERVE LUMINAIRE, OTHER FOR THE RECEPTACLE.
- REFERENCE SHEETS E5.0, E5.1 FOR DETAILS WITH ADDITIONAL INFORMATION REGARDING BREAK-AWAY POLE HARDWARE AND INSTALLATION REQUIREMENTS.
- APPLY FIVE WRAPS PHASING TAPE NEAR END OF CABLE ON EACH SET OF BREAK-AWAY CABLES AND CONNECTORS AT EACH POLE AND BOX. 240V LUMINAIRE YELLOW, 120V RECEPTACLE BLUE.



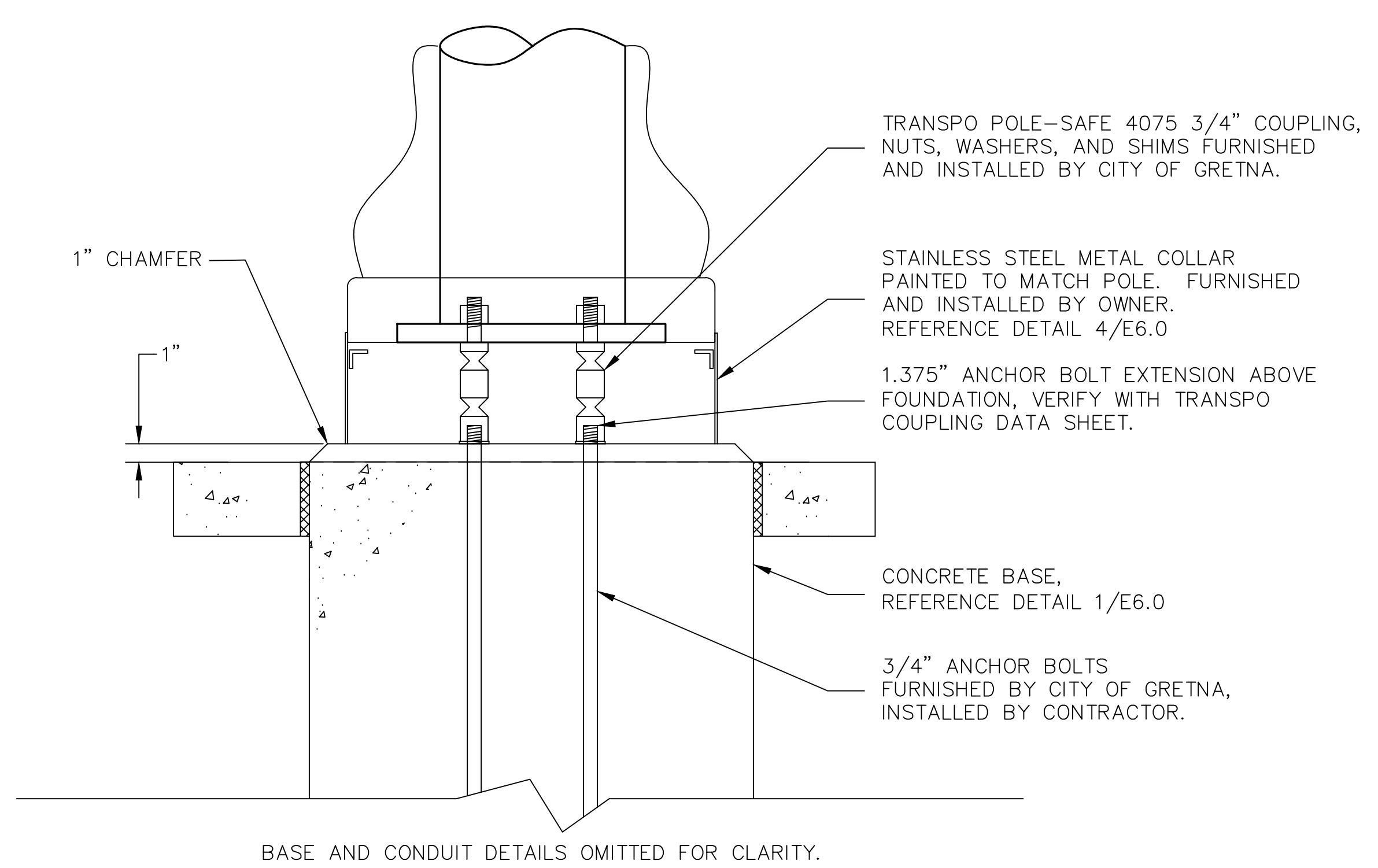
3 TYPE F1 STREET LIGHT FOUNDATION - PLAN  
E6.0/E6.0 N.T.S.



4 TYPE F1 BASE COLLAR DETAIL  
E6.0/E6.0 N.T.S.



1 TYPE F1 STREET LIGHT FOUNDATION - ELEVATION  
E3.1/E6.0 N.T.S.

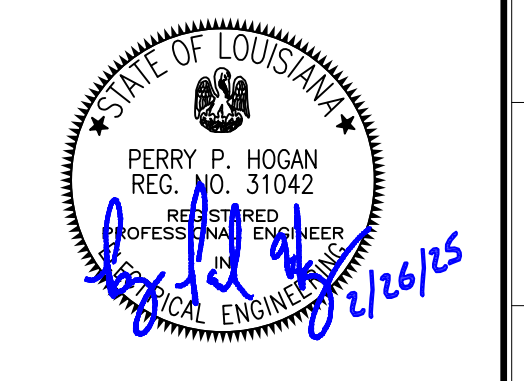


2 TYPE F1 FOUNDATION ANCHOR DETAIL  
E6.0/E6.0 N.T.S.

XREF: NONE  
DATE:  
FILE NAME: X.DWG



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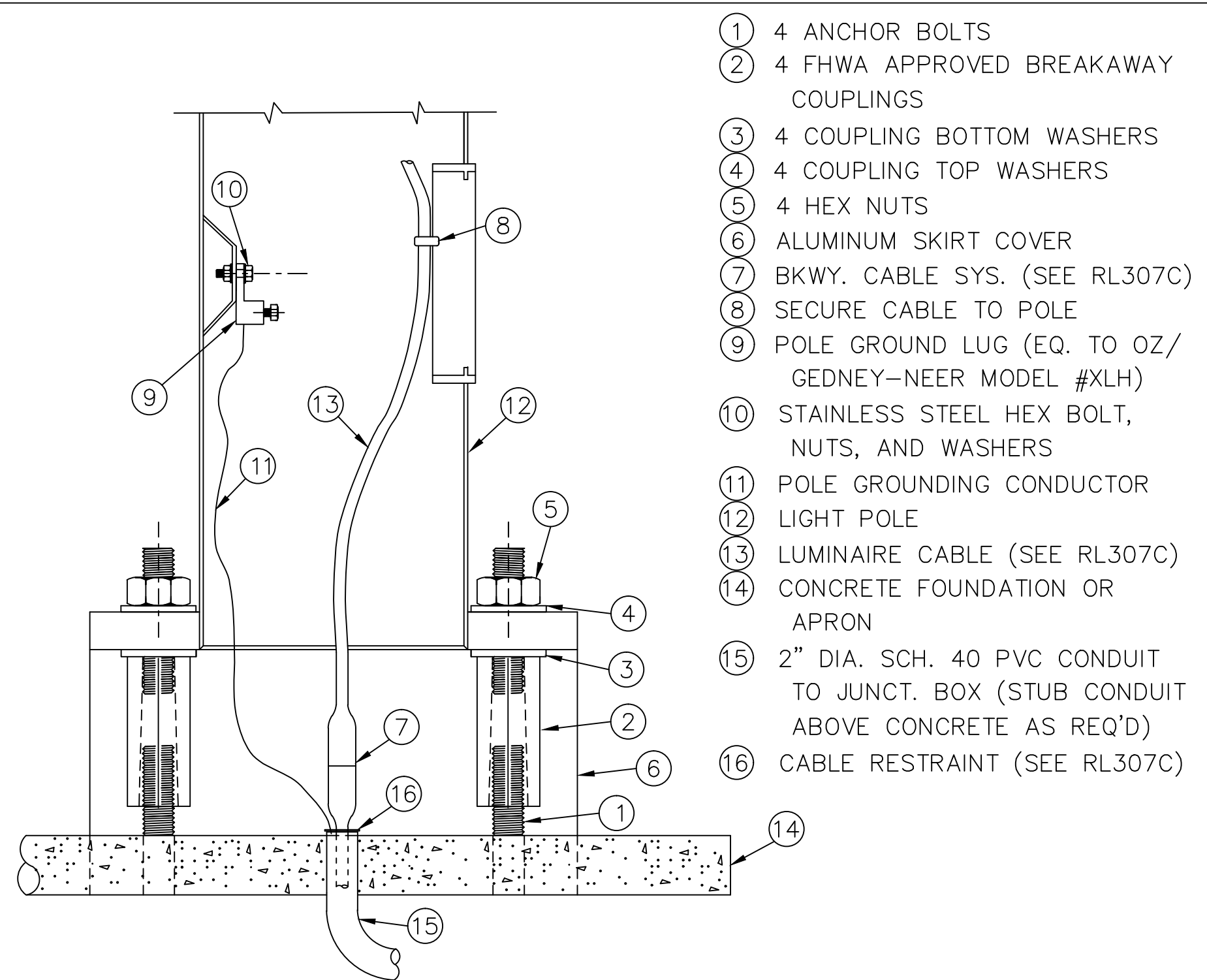




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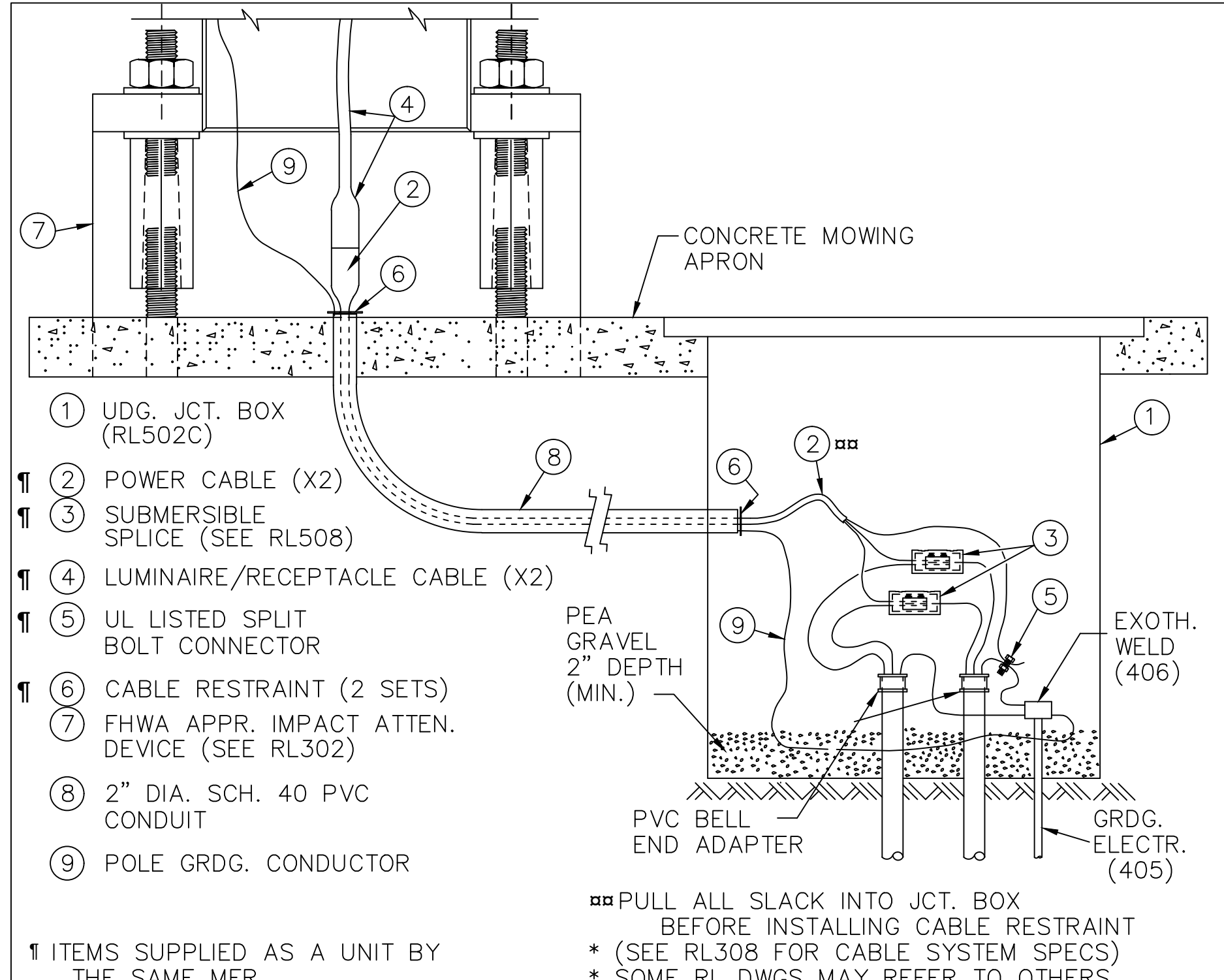
FILE NAME: X.DWG



- ① 4 ANCHOR BOLTS
- ② 4 FHWA APPROVED BREAKAWAY COUPLINGS
- ③ 4 COUPLING BOTTOM WASHERS
- ④ 4 COUPLING TOP WASHERS
- ⑤ 4 HEX NUTS
- ⑥ ALUMINUM SKIRT COVER
- ⑦ BKWY. CABLE SYS. (SEE RL307C)
- ⑧ SECURE CABLE TO POLE
- ⑨ POLE GROUND LUG (EQ. TO OZ/ GEDNEY-NEER MODEL #XLH)
- ⑩ STAINLESS STEEL HEX BOLT, NUTS, AND WASHERS
- ⑪ POLE GROUNDING CONDUCTOR
- ⑫ LIGHT POLE
- ⑬ LUMINAIRE CABLE (SEE RL307C)
- ⑭ CONCRETE FOUNDATION OR APRON
- ⑮ 2" DIA. SCH. 40 PVC CONDUIT TO JUNCT. BOX (STUB CONDUIT ABOVE CONCRETE AS REQ'D)
- ⑯ CABLE RESTRAINT (SEE RL307C)

TYPICAL BREAKAWAY SUPPORT COUPLING AND LIGHT POLE CONNECTIONS

DRAWING NO. RL302 04/10



- ① UDG. JCT. BOX (RL502C)
- ② POWER CABLE (X2)
- ③ SUBMERSIBLE SPLICE (SEE RL508)
- ④ LUMINAIRE/RECEPTACLE CABLE (X2)
- ⑤ UL LISTED SPLIT BOLT CONNECTOR
- ⑥ CABLE RESTRAINT (2 SETS)
- ⑦ FHWA APPR. IMPACT ATTN. DEVICE (SEE RL302)
- ⑧ 2" DIA. SCH. 40 PVC CONDUIT
- ⑨ POLE GRDG. CONDUCTOR

ITEMS SUPPLIED AS A UNIT BY THE SAME MFR.

PULL ALL SLACK INTO JCT. BOX BEFORE INSTALLING CABLE RESTRAINT (SEE RL308 FOR CABLE SYSTEM SPECS) \* SOME RL DWGS MAY REFER TO OTHERS

MODULAR BREAKAWAY CABLE SYSTEM (TYPICAL; LOW MAST)

DRAWING NO. RL307c 12/24

**MODULAR BREAKAWAY CABLE SYSTEM**  
 A MODULAR COLOR-CODED CABLE SYSTEM CONSISTING OF RUBBER CORDS W/ INTEGRAL MOLDED WATERTIGHT SUBMERSIBLE CONNECTORS, SUBMERSIBLE SPLICE CONNECTORS, AND CABLE RESTRAINTS SHALL BE INSTALLED IN THE JUNCTION BOX. THE SYSTEM SHALL PROVIDE POWER FROM THE JUNCTION BOX TO THE LUMINAIRE(S). CABLES SHALL EXTEND FROM THE JUNCTION BOX AT THE POLE BASE TO LUMINAIRE(S) AT THE TOP OF POLE. TWO (2) SUCH SYSTEM SHALL BE INSTALLED AT EACH GROUND-MOUNTED BREAKAWAY POLE INSTALLATION. POLE CABLE SYSTEM SHALL CONSIST OF THE FOLLOWING MINIMUM COMPONENTS:

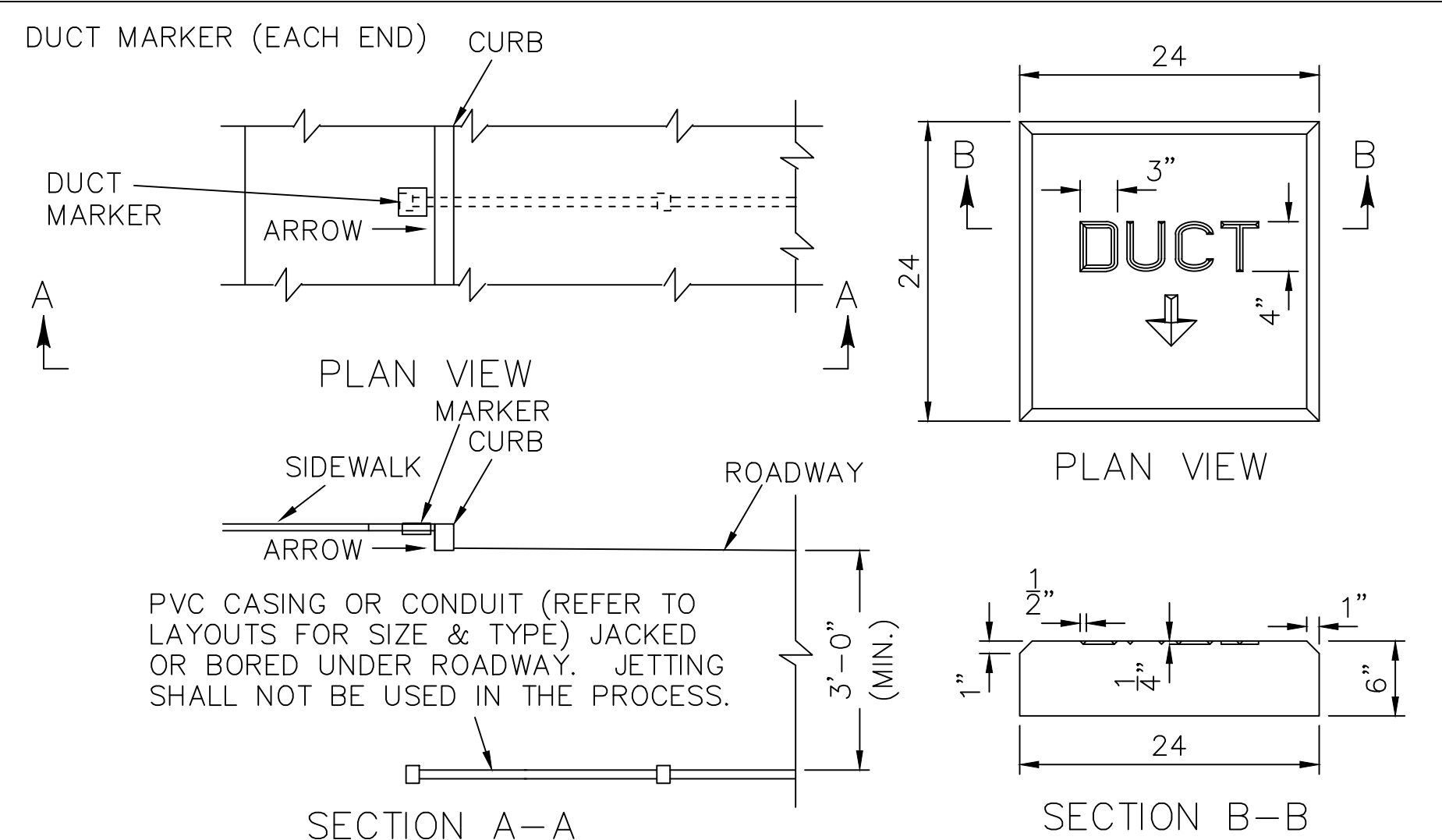
**POWER CABLE**  
 CABLE SHALL BE AN 12' 12/3 SOOW CABLE WITH MOLDED FEMALE CONNECTOR ON ONE END, ORANGE FOR RECEPTACLES, BLACK FOR LIGHTS. MALE PLUG SHALL PROVIDE A WATERTIGHT SUBMERSIBLE SEAL WHEN MATED TO FEMALE CONNECTOR. FEMALE CONNECTOR SHALL PASS THROUGH A STANDARD 2" SCHEDULE 40 PVC CONDUIT. CONTRACTOR SHALL INSTALL RETAINING STRAPS AT EACH END OF CONDUIT TO PREVENT MOVEMENT AND FORCE DISCONNECT UPON POLE BREAKAWAY. MG2 FTP-3 OR APPROVED EQUAL.

**LUMINAIRE/RECEPTACLE POLE CABLE**  
 CABLE SHALL BE A 15' LENGTH 12/3 SOOW CABLE WITH MALE PLUG MOLDED IN ORANGE FOR RECEPTACLES, BLACK FOR LIGHTS. PLUG SHALL REQUIRE A 25 LB. (MAX.) FORCE TO MATE OR DISENGAGE FROM FEMALE CONNECTOR. WHEN ENGAGED, CONNECTION SHALL BE WATERTIGHT AND SUBMERSIBLE. MG2 MTP-3 OR APPROVED EQUAL.

CONNECTORS SHALL BE FABRICATED OF THERMOSETTING SYNTHETIC POLYMER, NON-FLAME SUPPORTING, AND SHALL REMAIN FLEXIBLE OVER A TEMPERATURE RANGE OF -40°F TO 190°F. MG2 TYPE MTP-3

MODULAR BREAKAWAY CABLE SYSTEM (TYPICAL)

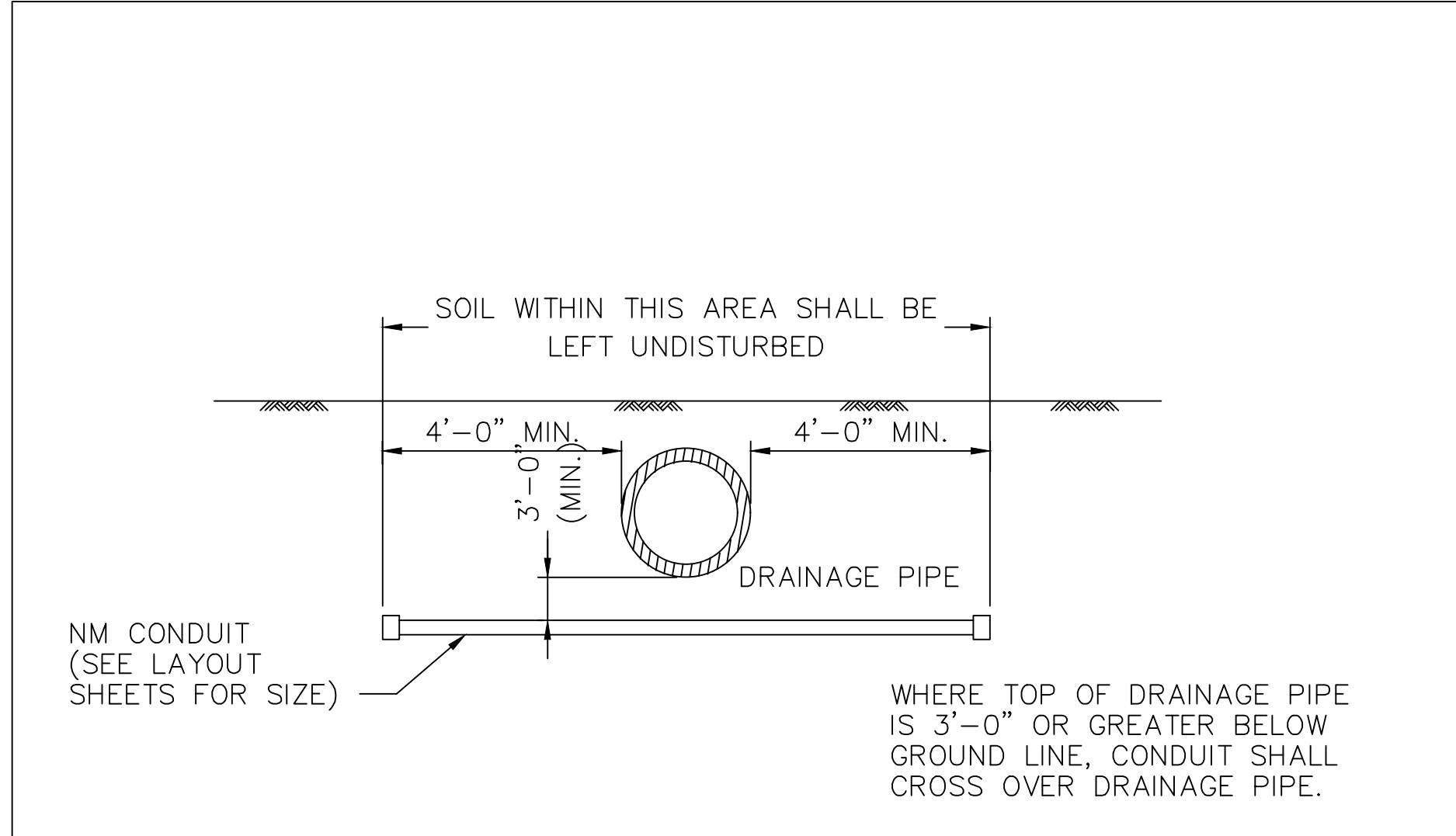
DRAWING NO. RL308 12/24



THE ENDS ABOVE OF ALL ROADWAY DUCT CROSSINGS SHALL BE MARKED WITH A CONCRETE OR POLY. CONCRETE SLAB 6" THICK BY 2 FEET SQUARE, WITH 1" BEVELED EDGES, AND 4" HIGH BY 3" WIDE LETTERS HAVING 1/2" WIDE BY 1/4" DEEP STROKE (OR AS LARGE AS THE AVAILABLE SPACE PERMITS). THE MARKER SLAB SHALL EXTEND APPROX. 1" ABOVE FINISHED GRADE. THE WORD "DUCT", THE NUMBER OF DUCTS BENEATH THE MARKER, THE SIZE OF EACH DUCT, AND AN ARROW INDICATING THE DIRECTION OF EACH DUCT SHALL BE IMPRESSED ON THE SURFACE OF EACH MARKER SLAB. INSTALL THE SLAB WITH THE ARROW PARALLEL AND IN THE DIRECTION OF ROADWAY DUCT CROSSING AS SHOWN ABOVE. A SUBMITTAL IS REQUIRED FOR APPROVAL PRIOR TO INSTALLATION.

UNDER ROAD CROSSING AND DUCT MARKER (TYPICAL)

DRAWING NO. RL501 12/09



SOIL WITHIN THIS AREA SHALL BE LEFT UNDISTURBED

WHERE TOP OF DRAINAGE PIPE IS 3'-0" OR GREATER BELOW GROUND LINE, CONDUIT SHALL CROSS OVER DRAINAGE PIPE.

DRAINAGE PIPE CROSSING (TYPICAL)

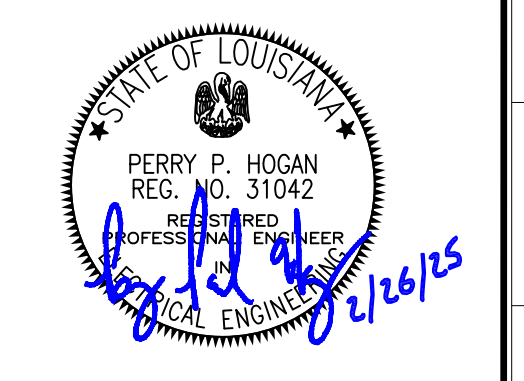
DRAWING NO. RL501a 07/15

**SHEET E7.0 NOTES:**

- 1. DETAILS ARE TO PROVIDE ADDITIONAL INFORMATION AND SUPPLEMENT INFORMATION ELSEWHERE IN THE DRAWINGS AND SPECIFICATIONS.



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HUEY P. LONG AVE. STREET LIGHTING 11TH ST-WBE ELECTRICAL TYPICAL DETAILS

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BKJ PROJECT NUMBER 9344-8350

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DATE			
SHEET			

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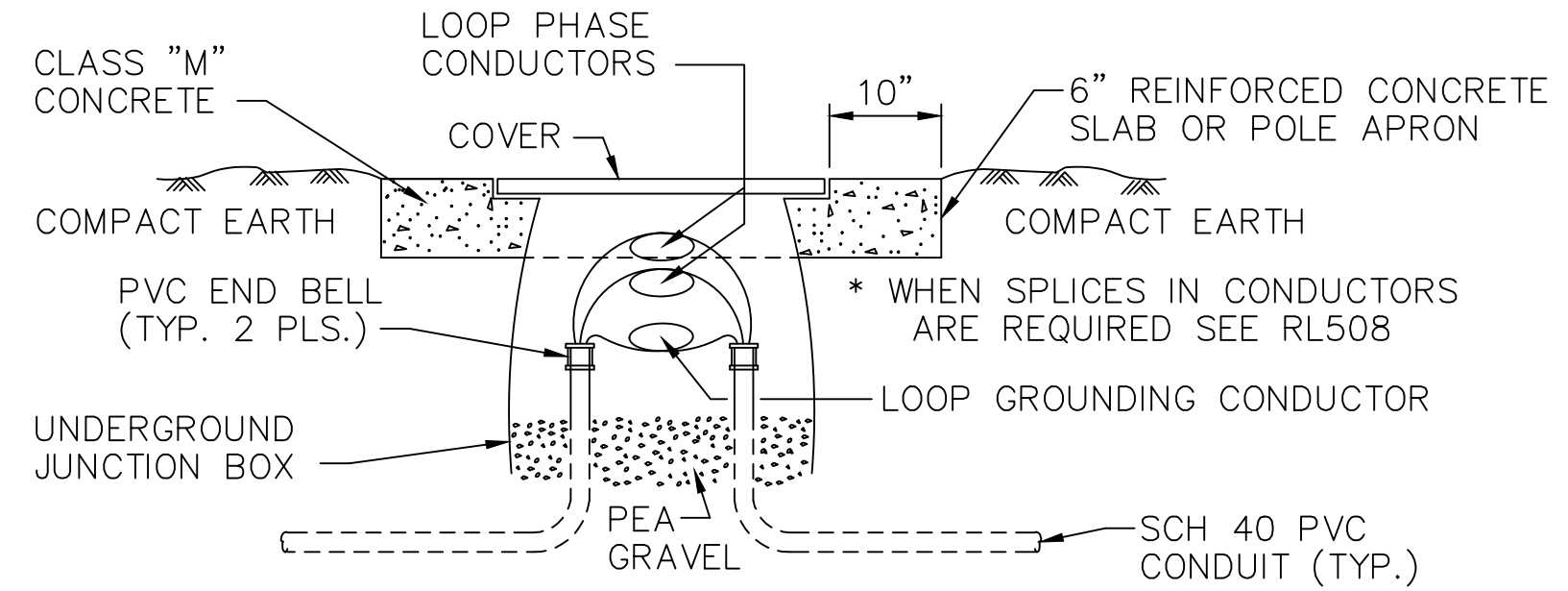
02/26/2025	ISSUE FOR BIDS	
	REVISION	DESCRIPTION



XREF: NONE

DATE:

FILE NAME: X.DWG

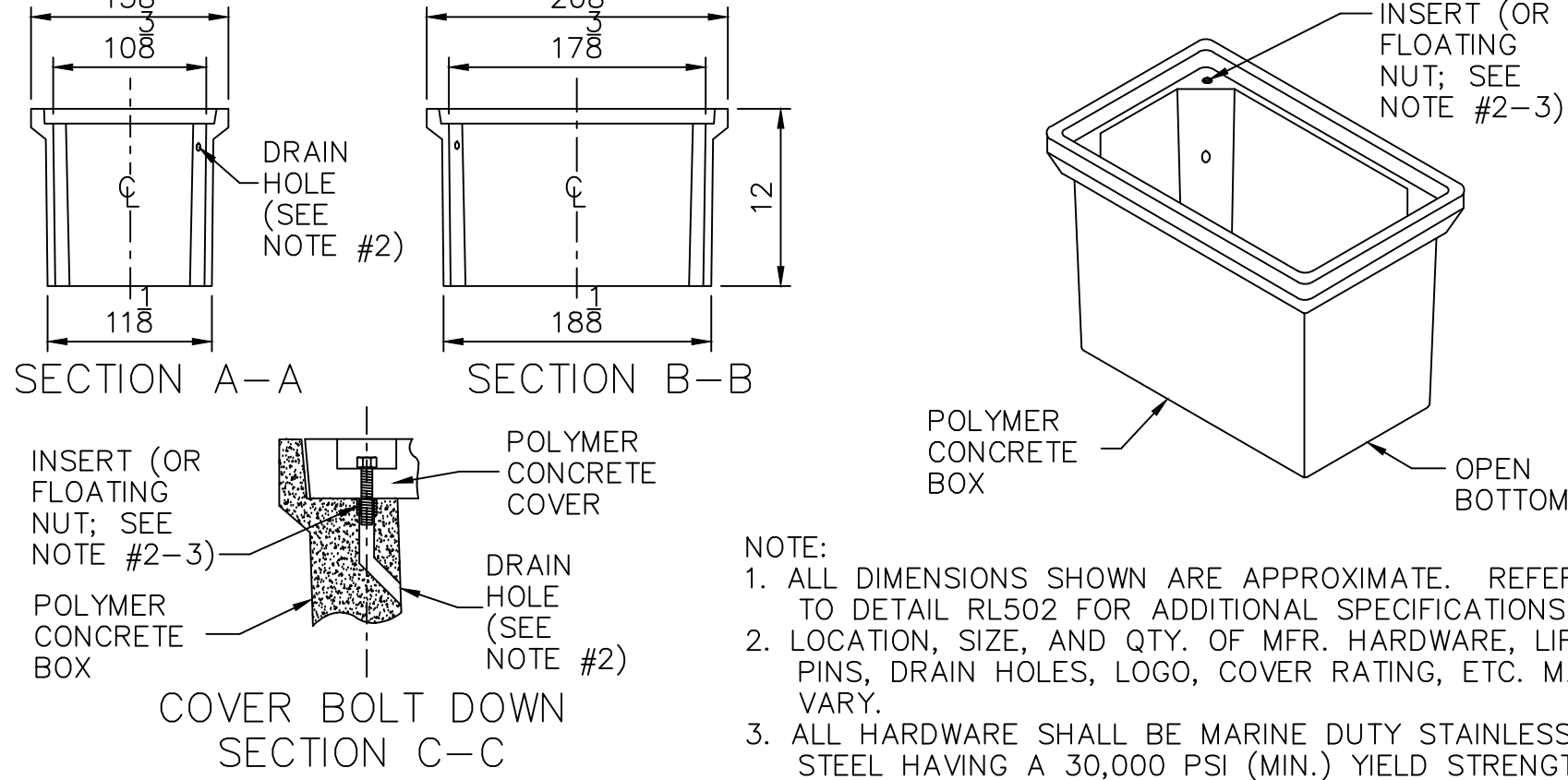
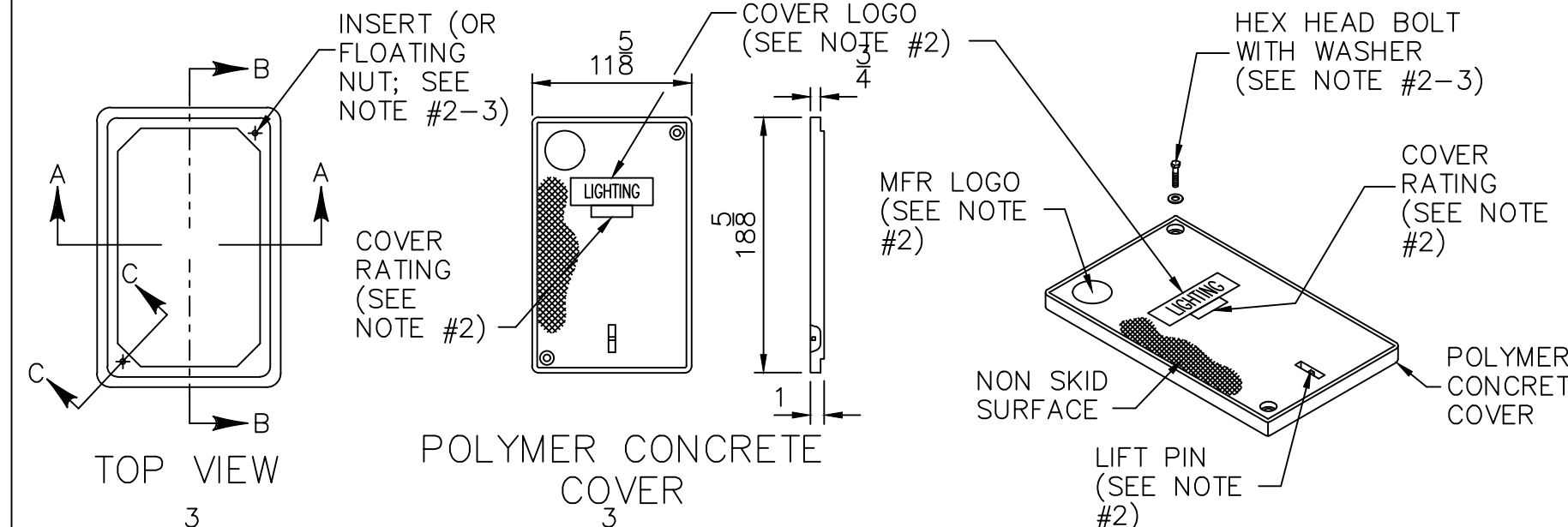


NOTE: CONTRACTOR SHALL INSTALL CONDUITS AT AN APPROPRIATE DEPTH (3'-0") TO ACHIEVE REQUIRED VERTICAL ALIGNMENT OF CONDUITS INTO JUNCTION BOX.

**UNDERGROUND JUNCTION BOX:**  
 JUNCTION BOX SHALL BE FABRICATED FROM FIBERGLASS REINFORCED POLYMER CONCRETE OR U.V. STABILIZED HIGH-DENSITY POLYETHYLENE HAVING U.V. STABILIZED GREEN, BLACK, OR GREY COLOR. BOX SHALL BE INSTALLED IN A 6" THICK CONCRETE PAD UNLESS SHOWN OTHERWISE ON THE PLANS. BOX AND COVER SHALL BE DESIGNED FOR USE IN ROADWAY APPLICATIONS AND BE HEAVY DUTY RATED 150 PSI OVER A 10"x10" AREA (MINIMUM). ALL BOX AND COVER HARDWARE SHALL BE MARINE DUTY STAINLESS STEEL WITH A MINIMUM 30,000 P.S.I. YIELD STRENGTH. BOX COVER SHALL BE FABRICATED FROM FIBERGLASS REINFORCED POLYMER CONCRETE AND SHALL ALSO INCLUDE STANDARD "LIGHTING" LOGO. UNLESS NOTED OTHERWISE, BOX SHALL HAVE INTERIOR DIMENSIONS 12"(LENGTH) X 12"(WIDTH) X 10"(DEPTH), WITH DEPTH MEASURED FROM BOTTOM OF COVER TO BOTTOM OF BOX WHILE COVER IS INSTALLED. BOX AND COVER SHALL COMPLY WITH THREE (3) POSITION TESTING AS REQUIRED BY UNDERWRITER LABORATORIES (U.L.) OR WESTERN UNDERGROUND COMMITTEE (W.U.C.), GUIDELINE 3.6. FOR EQUIPMENT NOT U.L. OR W.U.C. 3.6 COMPLIANT, PROOF OF EQUIVALENT TESTING SHALL BE SUPPLIED BY A REGISTERED PROFESSIONAL ENGINEER. ALL DIMENSIONS ARE MINIMUM.

UNDERGROUND JUNCTION BOX  
 (TYPICAL; WITH FIBERGLASS REINFORCED POLYMER CONCRETE COVER)

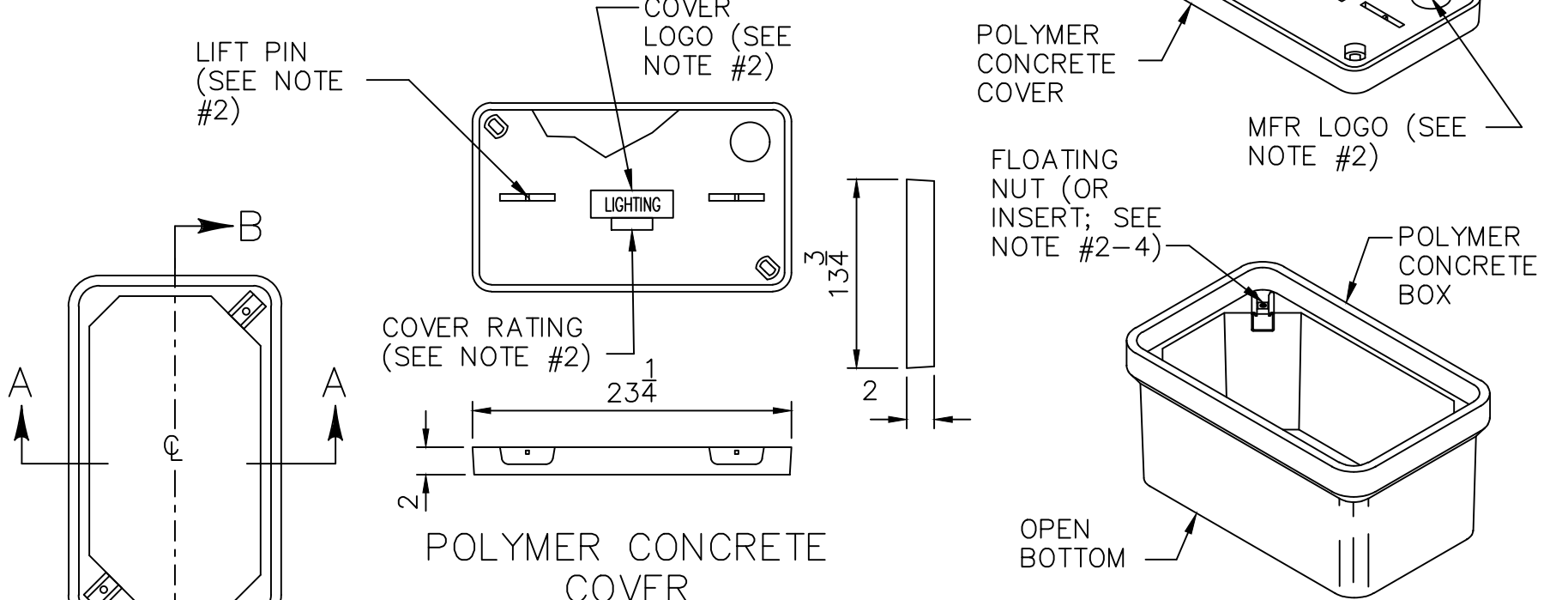
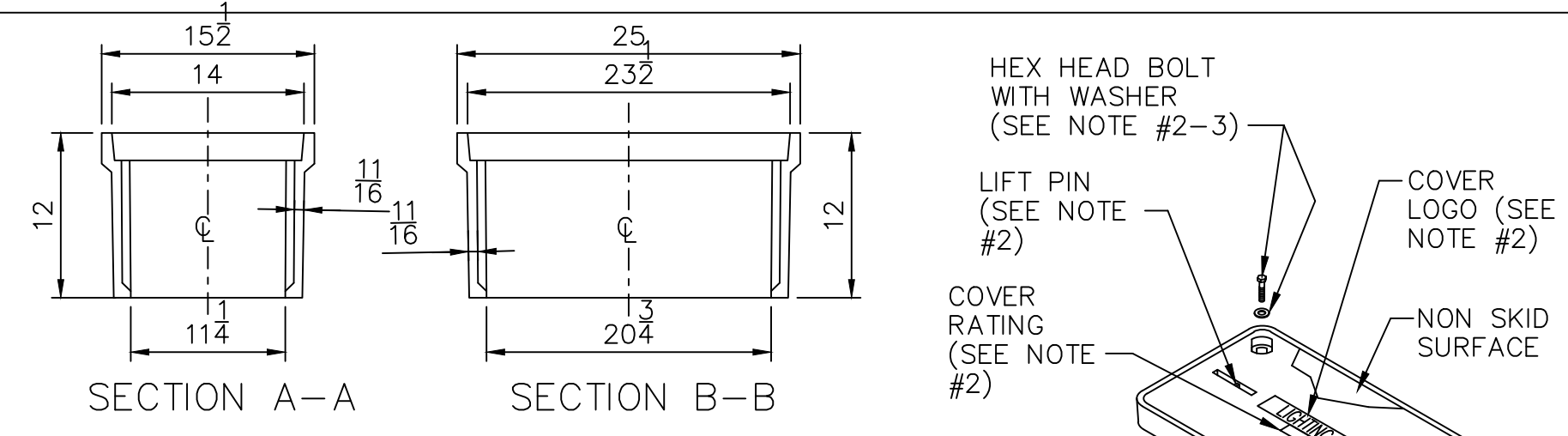
DRAWING NO. RL502  
 04/10



NOTE:  
 1. ALL DIMENSIONS SHOWN ARE APPROXIMATE. REFER TO DETAIL RL502 FOR ADDITIONAL SPECIFICATIONS.  
 2. LOCATION, SIZE, AND QTY. OF MFR. HARDWARE, LIFT PINS, DRAIN HOLES, LOGO, COVER RATING, ETC. MAY VARY.  
 3. ALL HARDWARE SHALL BE MARINE DUTY STAINLESS STEEL HAVING A 30,000 PSI (MIN.) YIELD STRENGTH.

UNDERGROUND JUNCTION BOX  
 (JB-2)

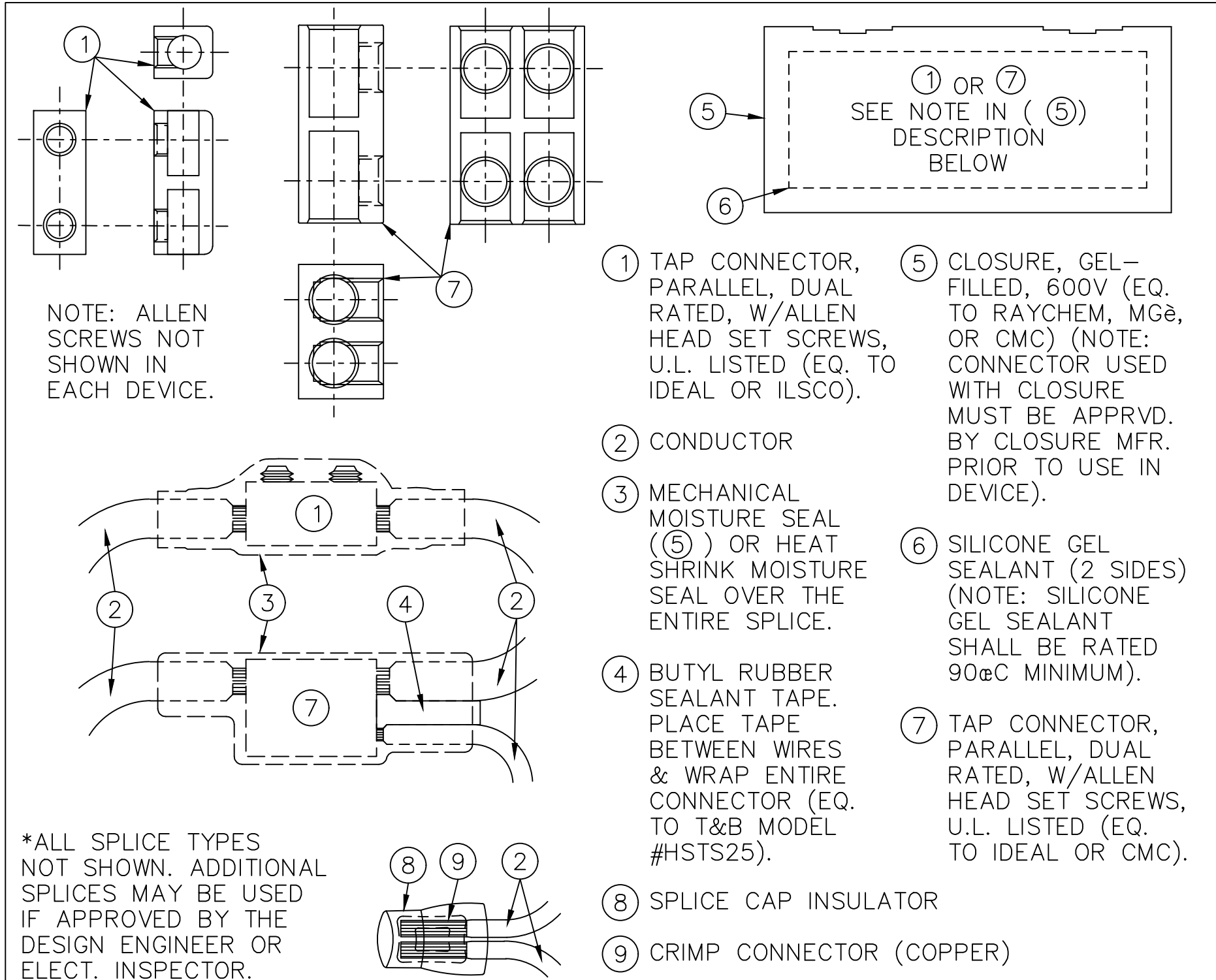
DRAWING NO. RL502c  
 06/07



NOTE:  
 1. ALL DIMENSIONS ARE APPROXIMATE. REFER TO DETAIL RL502 FOR ADDITIONAL SPECIFICATIONS.  
 2. LOCATION, SIZE, AND QUANTITY OF MFR. HARDWARE, LIFT PINS, DRAIN HOLES, LOGO, COVER RATING, ETC. MAY VARY.  
 3. ALL HARDWARE SHALL BE MARINE DUTY STAIN. STEEL HAVING A 30,000 PSI (MIN.) YIELD STRENGTH.  
 4. WHEN A MFR. DESIGNED INSERT IS PROVIDED, A MFR. DESIGNED DRAIN HOLE FOR EACH INSERT SHALL ALSO BE INCLUDED IN THE BOX WALL.

UNDERGROUND JUNCTION BOX  
 (JB-3)

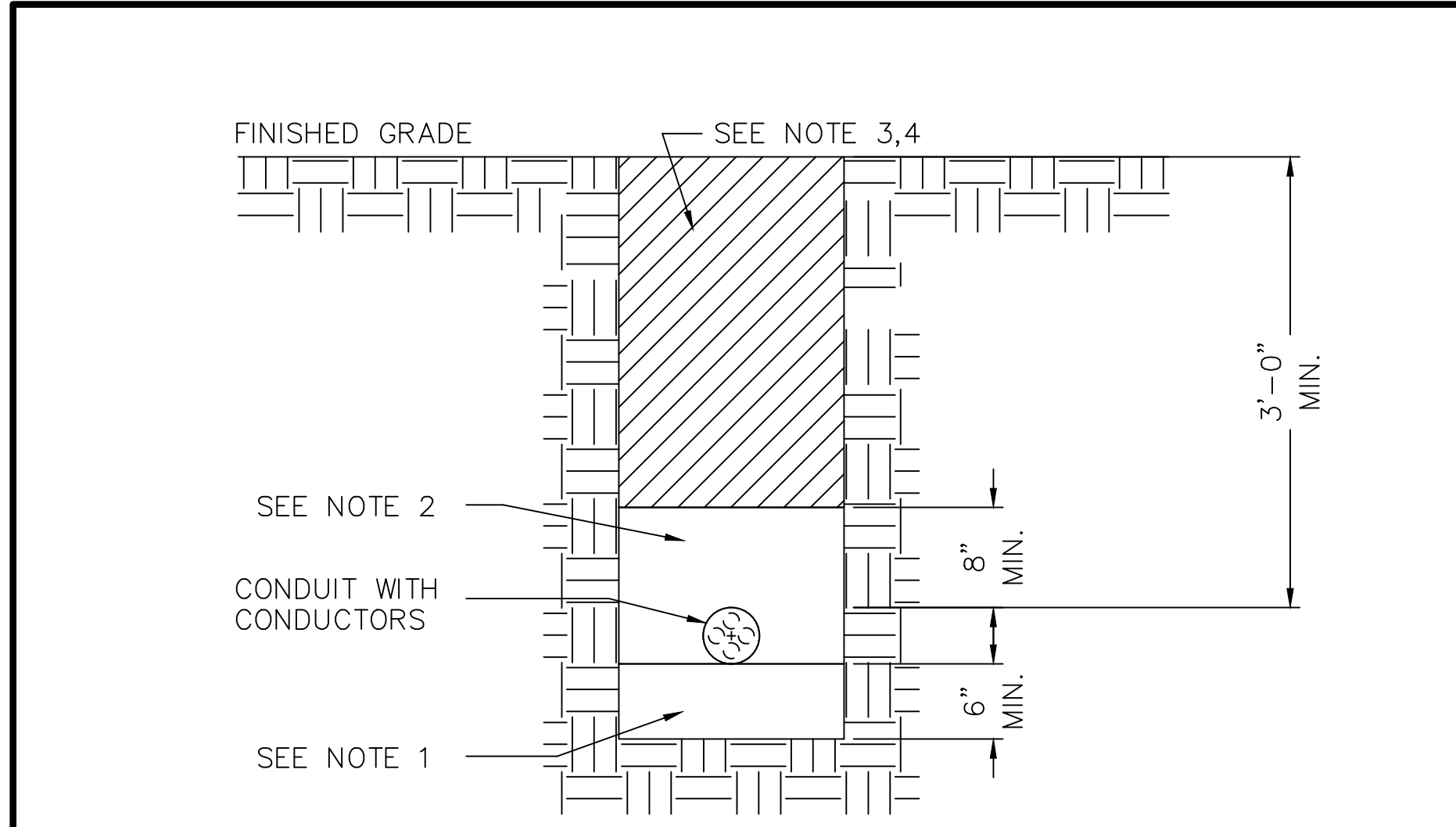
DRAWING NO. RL502d  
 06/07



\*ALL SPLICE TYPES NOT SHOWN. ADDITIONAL SPLICES MAY BE USED IF APPROVED BY THE DESIGN ENGINEER OR ELECT. INSPECTOR.

SPLICE AND TAP CONNECTOR  
 (TYPICAL)

DRAWING NO. RL508  
 07/10



NOTE:  
 1. INITIAL BACKFILL AND BEDDING OF TAMPED GRANULAR MATERIAL WHERE REQUIRED AND AS DIRECTED BY THE PROJECT ENGINEER. SEE SECTION 723 OF THE "STANDARD SPECIFICATIONS" FOR SPECIFICATIONS ON TAMPED GRANULAR MATERIAL.  
 2. FINAL BACKFILL FREE OF LARGE STONES, ROCKS, CLUMPS, AND DEBRIS.  
 3. ANY ASPHALT OR CONCRETE MATERIAL REMOVED DURING TRENCHING SHALL BE REPLACED WITH LIKE MATERIAL TO MATCH EXISTING.  
 4. SEE PLAN SPECIFICATIONS, GENERAL NOTES, LAYOUT SHEETS, AND DETAILS FOR ADDITIONAL INFORMATION.

TRENCHING DETAIL (TYPICAL)  
 (CONDUIT WITH CONDUCTORS RATED 600 VOLTS AND BELOW)

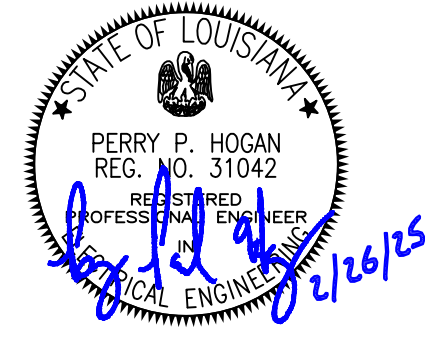
DRAWING NO. RL513  
 09/14

**SHEET E7.1 NOTES:**

1. DETAILS ARE TO PROVIDE ADDITIONAL INFORMATION AND SUPPLEMENT INFORMATION ELSEWHERE IN THE DRAWINGS AND SPECIFICATIONS.



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HUEY P. LONG AVE.  
 STREET LIGHTING 11TH ST-WBE  
 ELECTRICAL TYPICAL DETAILS

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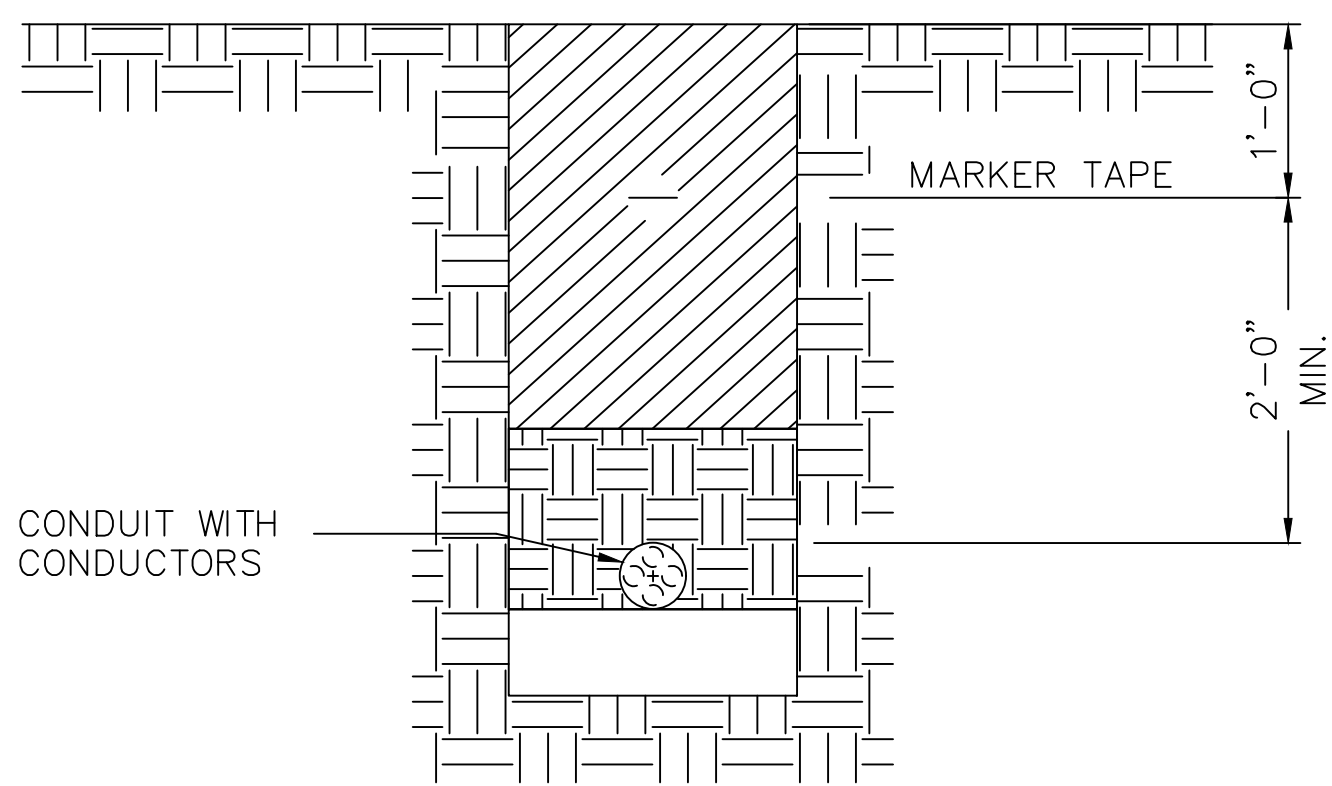
NO.	DATE	REVISION	DESCRIPTION
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DATE:

XREF: NONE



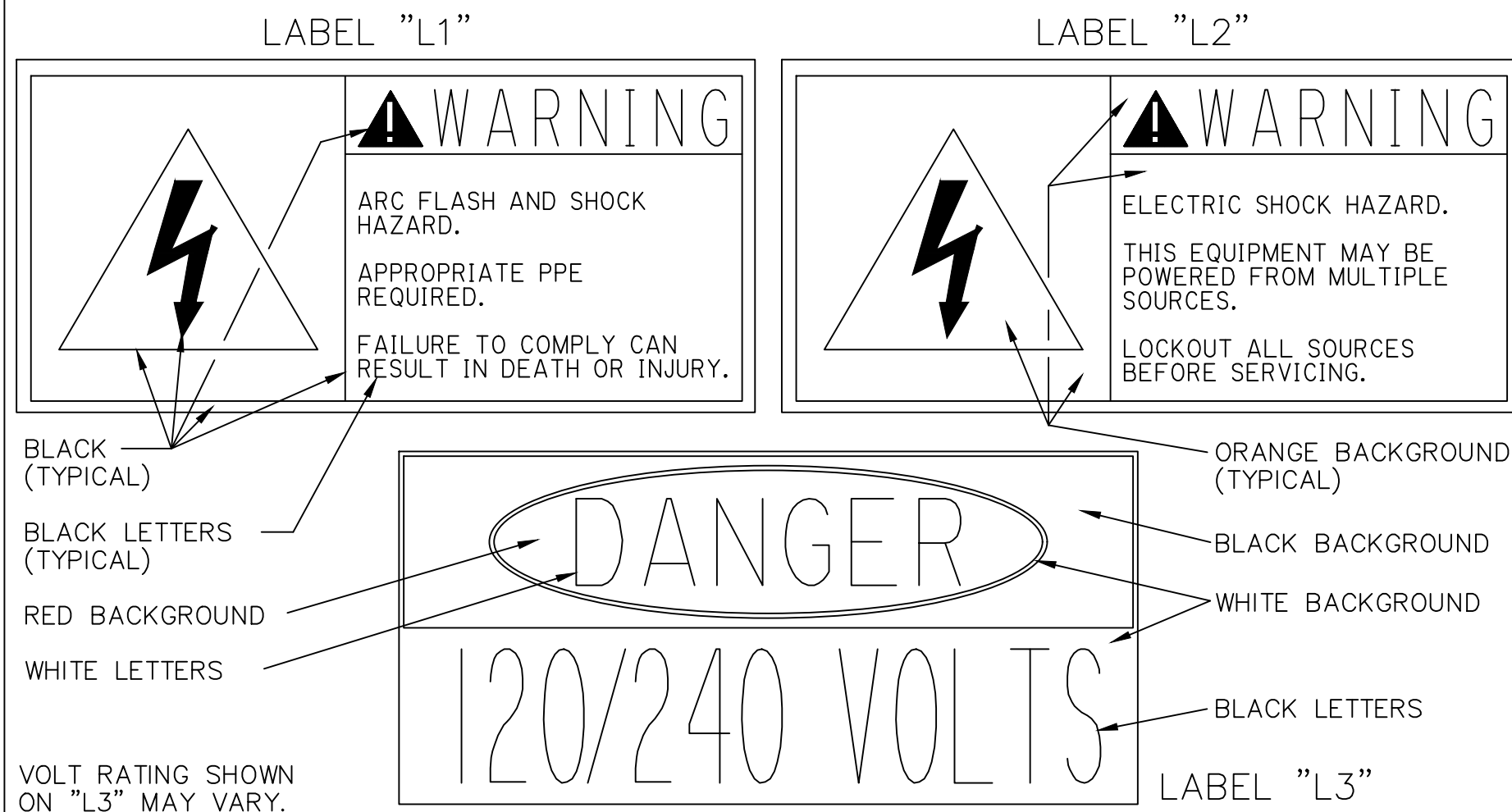
**MARKER TAPE (UNDERGROUND):**

MARKER TAPE SHALL BE UDG. DETECTABLE-TYPE, SHALL BE CONSTRUCTED FROM A FLEXIBLE AND DURABLE LAMINATE HAVING HIGH-VISIBILITY. MARKER TAPE SHALL ENDURE TEMPERATURE RANGES FROM -60°F TO 250°F (MINIMUM). MARKER TAPE SHALL BE 3" OR 6" WIDE, HAVE 5 MIL (MIN.) THICKNESS, AND BE PRINTED POLYETHYLENE WITH A METALLIC CORE (OR BACKING). MARKER TAPE SHALL PROVIDE FULL LATERAL COVERAGE, REMAIN CENTERED AND IN VERTICAL ALIGNMENT 12" BELOW FINISHED GRADE, AND BE CONTINUOUS OVER THE ENTIRE LENGTH (NOTE: FOR LARGE RACEWAY CONFIGURATIONS, MORE THAN ONE (1) WIDTH OF TAPE MAY BE REQUIRED). MARKER TAPE SHALL HAVE RED COLOR AS SPECIFIED BY A.W.P.A./U.L.C.C. UNIFORM COLOR CODE FOR BURIED ELECTRIC LINES AND HAVE TWO (2) CONTINUOUS AND PERMANENT LINES OF PRINTED WARNING AND IDENTIFICATION IN BOLD, BLACK, BLOCK-TYPE INK OVER THE ENTIRE TAPE LENGTH. THE TOP LINE SHALL READ "CAUTION". BOTTOM LINE SHALL READ "BURIED ELECTRIC LINE BELOW". MARKER TAPE SHALL HAVE PROVEN UNDERGROUND DURABILITY, RESIST ACIDS, ALKALIS, WATER, AND BE MANUFACTURED FROM A HIGH QUALITY MATERIAL THAT MEETS OR EXCEEDS ALL INDUSTRY MINIMUM SPECIFICATIONS TO ASSURE LONG-TERM PERFORMANCE.

**MARKER TAPE (UNDERGROUND)**  
(TYPICAL; DETECTABLE TYPE)

DRAWING NO.  
RL520  
05/11

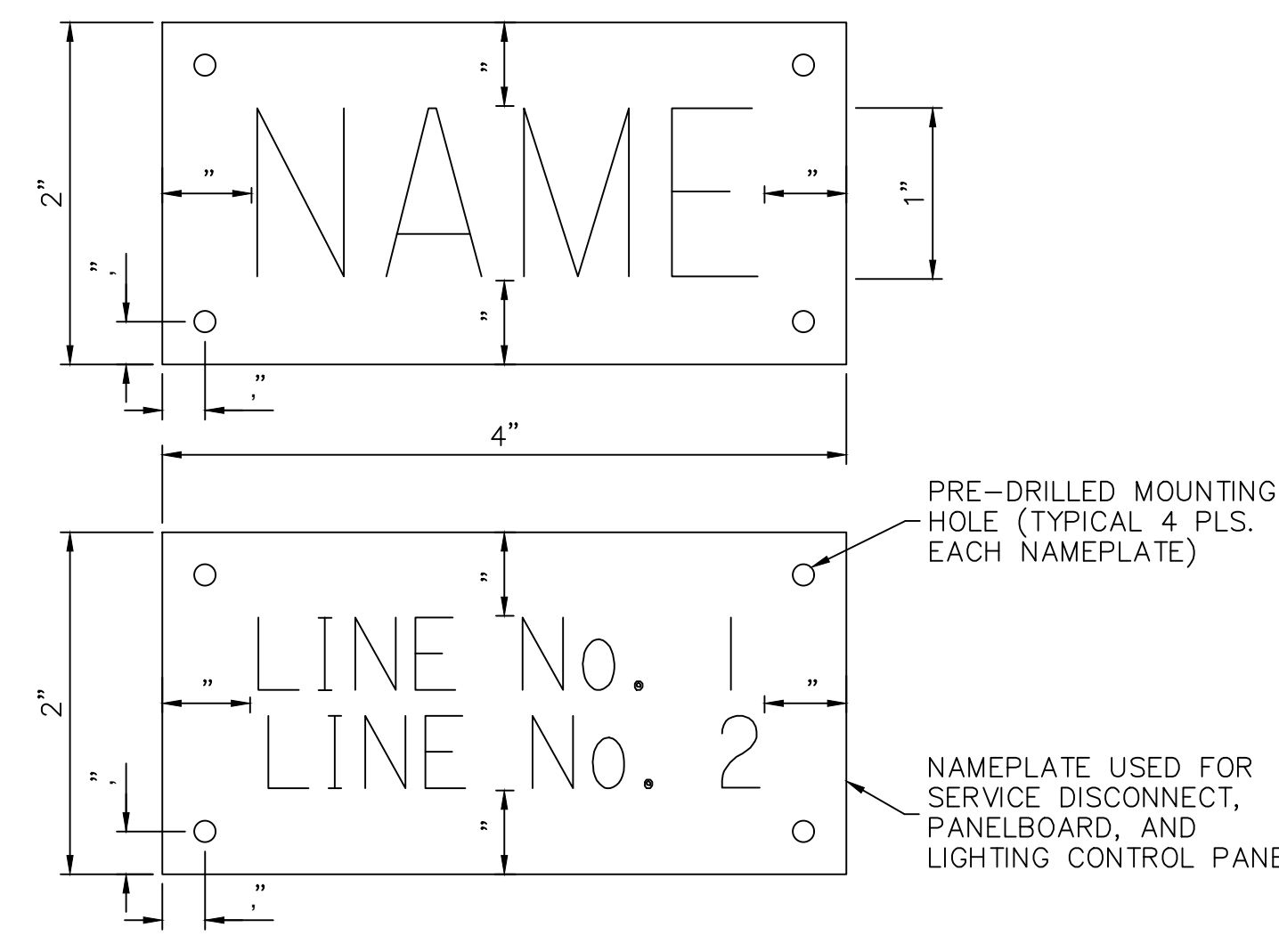
LIGHTING CONTROLLERS, SWITCHBOARDS, CONTROL DESKS, DISCONNECTS, JUNCTION BOXES, GATE HOUSINGS, OTHER ENCLOSURES CONTAINING MOVABLE CONTACTS OR WIRE SIZE(S) #2 COPPER OR LARGER, AND WHERE SPECIFIED BY THE PROJECT ENGINEER SHALL BE FIELD MARKED ACCORDING TO NATIONAL ELECTRICAL CODE (N.E.C.) TO WARN QUALIFIED PERSONNEL OF THE POTENTIAL ELECTRICAL ARC FLASH HAZARDS AND DANGER.  
 LABEL(S) SHALL BE 5"x7" (MINIMUM). LABEL(S) SHALL BE MADE OF HIGH QUALITY, SELF-ADHESIVE, WATER- AND CHEMICAL RESISTANT, FLEXIBLE VINYL. LABEL(S) SHALL BE OUTDOOR RATED AND PROTECTED FROM U.V. RADIATION, MOISTURE, OXIDATION, AND OTHER POLLUTANTS. LABEL(S) SHALL BE SURFACE MOUNT AND SUITABLE FOR INSTALLING ON FLAT, ROUND OR IRREGULAR SURFACES OF METAL, FIBERGLASS, OR PAINT. LABEL(S) SHALL BE OVERLAMINATED WITH CLEAR FILM TO PROVIDE PRINT PROTECTION. AFFIX LABEL(S) TO ALL DOORS OF LIGHTING CONTROLLERS, CONTROL CABINETS, CONSOLES, JUNCTION BOXES CONTAINING TERMINAL BLOCKS, GATE HOUSINGS, ETC., AND WHERE SPECIFIED BY THE PROJECT ENGINEER. LABELS SHALL COMPLY WITH MIN. REQUIREMENTS SET FORTH BY OSHA 29 CFR PART 1910, NFPA 70, AND NFPA 70E. ARC FLASH PROTECTION (SEE N.E.C. 110.16). ANY VARIATIONS IN LABEL SIZE MUST BE SUBMITTED TO THE BRIDGE DESIGN ENGR. FOR APPROVAL.



**ELECTRICAL LABELS**  
(TYPICAL; SELF-ADHESIVE VINYL TYPE)

DRAWING NO.  
RL806  
08/10

WHERE SHOWN ON THE PLANS OR REQUIRED BY THE PROJECT ENGINEER, ALL LIGHTING CONTROLLERS, SWITCHBOARDS, CONTROL DESKS, DISCONNECTS, JUNCTION BOXES, GATE HOUSINGS, AND OTHER EQUIPMENT ENCLOSURES SHALL HAVE A NAMEPLATE AS SHOWN BELOW. REFER TO PLAN SHEETS AND DETAILS FOR NAME AND LOCATION. NAMEPLATE SHALL BE FABRICATED FROM 1/16" THICK (MINIMUM) PHENOL PLATE ENGRAVED STOCK. NAMEPLATE SHALL HAVE SATIN BLACK OUTER LAYER, WHITE INNER LAYER AND 45° BEVELED EDGES. NAMEPLATE SHALL HAVE 1" SIZE (MINIMUM) BLOCK-STYLE LETTERS AND FOUR (4) 1/8" (MINIMUM) DIAMETER PRE-DRILLED HOLES, ONE (1) LOCATED AT EACH CORNER, FOR MOUNTING NAMEPLATE. FASTEN NAMEPLATE TO EQUIPMENT USING #6-32 (MINIMUM) MARINE DUTY STAINLESS STEEL SELF-TAPPING MACHINE SCREWS HAVING 30000 PSI (MINIMUM) YIELD STRENGTH. NAMEPLATE SHALL BE LEVEL AFTER INSTALLATION. INSTALL NAMEPLATE WHERE APPLICABLE OR AS INDICATED IN THE PLANS. ANY VARIATIONS IN NAMEPLATE SIZE SHOWN BELOW MUST BE SUBMITTED TO THE BRIDGE DESIGN ENGINEER FOR APPROVAL.



**ELECTRICAL NAMEPLATES**  
(TYPICAL; ENGRAVED PHENOL STOCK TYPE)

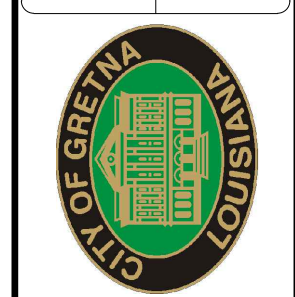
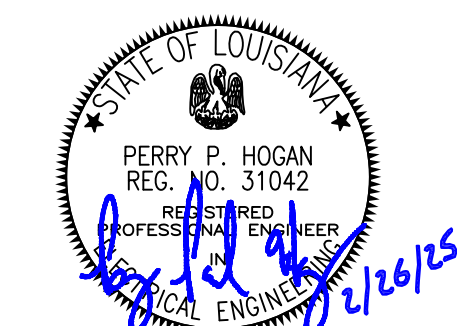
DRAWING NO.  
RL807  
04/11

**SHEET E7.2 NOTES:**

1. DETAILS ARE TO PROVIDE ADDITIONAL INFORMATION AND SUPPLEMENT INFORMATION ELSEWHERE IN THE DRAWINGS AND SPECIFICATIONS.



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**HUEY P. LONG AVE.**  
**STREET LIGHTING 11TH ST-WBE**  
**ELECTRICAL TYPICAL DETAILS**

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02/26/2025	PH		