

City of Phoenix Office of the City Engineer Design and Construction Procurement

JOC 234 STREET, PATHWAY, AND WALL PACK LIGHTING INSTALLATION 2-STEP JOB ORDER CONTRACT

ADDENDUM NO. 1

ISSUE DATE: May 6, 2025

Bidders are hereby notified that the Bidding and Contract Documents for the above project, for which SOQs are to be received on May 16, 2025, are amended as follows:

- 1. Delete the following section in its entirety and replace with the following section:
 - a. Delete Appendix B Sample Project Information, and replace with the following:

See attachment Appendix B – Sample Project Information

END OF ADDENDUM

Heather Roye Contracts Specialist II

Deather Noye

602-261-8894

APPENDIX B - SAMPLE PROJECT INFORMATION

The attached plan is an example of a typical Traffic Services streetlight installation construction plan. For this project, 35th Avenue: Roosevelt Street to I-10, the City is requesting new overhead fed streetlights. Included in the sample packet are the Notice to Proceed and streetlight plans.



March 5, 2025

Name Company A 1034 E. Madison St. Phoenix, AZ 85032

CITY OF PHOENIX PROJECT NO.: ST85160013-1 GL: 510132

DESCRIPTION:

VENDOR NUMBER: XXXXXXX CONTRACT NUMBER: XXXXXXX

Dear xxxxxxx,

This letter is your **NOTICE TO PROCEED** with the work under this project and establishes a starting date of July 1, 2025. According to this agreement, all work must be completed within 180 days of this Notice to Proceed, for a total cost of \$125,000.

Refer all questions relating to the project to Jason Fernandez in the Traffic Services Division by email at jason.fernandez@phoenix.gov or by phone at 602-262-6206.

Please sign the Notice to Proceed letter and return the letter by email to James Ficarra at james.ficarra@phoenix.gov with a copy to Maria Munoz at maria.munoz@phoenix.gov. Please include project number ST85160013-1, GL 510130 and your contract number on all invoices.

Sincerely,	Acknowledgement:
Jason Fernandez	Representative
Plan Review Coordinator	Company A Contracting

c: Jeanette Arthur, Finance
Chris Nipar, Fiscal
Briiana Velez, STR
Marcelino Nava, STR
James Ficarra, STR
STR Central Records
Equal Opportunity Department
STR Contract Procurement

CITY OF PHOENIX STREET LIGHTING 35TH AVENUE: ROOSEVELT ST TO I-10

STREET LIGHTING GENERAL NOTES

THE FOLLOWING INFORMATION IS PROVIDED TO EMPHASIZE CRITICAL WORK AND IS INTENDED TO SUPPLEMENT THE SPECIFICATIONS.

- THE CONTRACTOR SHALL COMPLY WITH STATE AND CITY STATUTES AND ORDINANCES.
- PRIOR TO SUBMITTAL, THE STREET LIGHT DESIGNER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT THE CONSTRUCTION SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THE CONTRACT.
- THE STREET LIGHT DESIGNER SHOULD VERIFY DIMENSIONS AT THE SITE AND IMMEDIATELY REPORT DIFFERENCES TO THE DEVELOPER'S CONSTRUCTION MANAGER AND NOT PROCEED WITH WORK UNTIL THE CONSTRUCTION MANAGER RENDERS A DECISION.
- THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH ALL LICENSING REQUIREMENTS SET FORTH BY THE STATE REGISTRAR OF CONTRACTORS OFFICE TO PERFORM WORK RELATING TO STREET LIGHT INSTALLATION IN CITY OF PHOENIX RIGHT-OF-WAY.
- ONE DRY UTILITY PERMIT FOR EACH CITY OF PHOENIX STREET LIGHT PROJECT, OR PHASE IF A MULTI-PHASE PROJECT, SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- LIGHT POLES SHALL BE INSTALLED PLUMB, BE ADJUSTED TO PROVIDE PROPER ALIGNMENT TO THE ROADWAY BEING LIGHTED AND BE PROPERLY GROUNDED WHEN THE INSTALLATION IS COMPLETED.
- STREET LIGHTS ARE INSPECTED BY THE UTILITY COMPANY AND BY CITY OF PHOENIX. WHEN ACCEPTED AND ENERGIZED, THE UTILITY COMPANY WILL INSTALL A STREET LIGHT NUMBER ON EACH POLE.
- LUMINAIRES SHALL BE INSTALLED LEVEL AND INCLUDE A LAMP AND PHOTOCELL. THE BE FREE OF DUST, DIRT OR ANYTHING THAT WOULD IMPAIR THE OUTPUT OF THE LIGHT.
- POLE SHALL BE SET PLUMB IN TWO DIRECTIONS, NINETY (90) DEGREES APART
- SURPLUS EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR.
- WIRING SHALL BE INSTALLED PER SERVING UTILITY COMPANY STANDARDS. CONDUIT SHALL BE INSTALLED AT THE DEPTH SPECIFIED ON THEIR PLANS.
- CONDUIT MUST BE UL RATED AND SUITABLE FOR UNDERGROUND USE PER UTILITY COMPANY REQUIREMENT.
- CONNECTIONS SHALL BE PER SERVING UTILITY COMPANY STANDARDS. EACH POLE SHALL HAVE A 8' X 5/8" COPPER CLAD GROUND ROD DRIVEN BENEATH PULL BOX. A #6 BARE COPPER LEAD FROM THE GROUND ROD IN PULL BOX TO LANDING LUG IN STREET LIGHT POLE HAND HOLE IS REQUIRED.
- EXCAVATION FOR PULL BOXES AND MATERIAL SPECIFICATIONS SHALL BE PER SERVING UTILITY COMPANY STANDARDS.
- TRENCHES SHALL BE INSTALLED PER SERVING UTILITY COMPANY STANDARDS. THE USE OF A COMMON ELECTRIC UTILITY COMPANY TRENCH IS PERMITTED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITY COMPANY FOR COORDINATION OF THE TRENCHING AND THE INSTALLATION OF CONDUIT.

STREET LIGHTING GENERAL NOTES (CONTNUED)

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL PROPERTY, LANDSCAPING, PAVING AND DRIVEWAYS THAT ARE DISTURBED DURING STREET LIGHT CONSTRUCTION TO THEIR ORIGINAL CONDITION IN CONFORMANCE WITH MAG SPECIFICATION SECTION 107.9.
- PRIOR TO ACCEPTANCE. THE DEVELOPER SHALL ENERGIZE AND OPERATE THE ENTIRE ROADWAY LIGHTING SYSTEM, FROM SUNSET TO SUNRISE FOR TWO (2) CONSECUTIVE DAYS WITHOUT INTERRUPTION OR FAILURE. IF A LUMINAIRE SHOULD FAIL. IT SHALL BE IMMEDIATELY REPLACED. THE DEVELOPER SHALL BE RESPONSIBLE FOR FURNISHING ALL PERSONNEL AND EQUIPMENT TO SUCCESSFULLY PERFORM THIS TEST.
- THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE ENGINEERING MANAGER AGAINST IMPERFECT WORKMANSHIP, FAILURE, MALFUNCTION OF MATERIALS AND/OR EQUIPMENT DUE TO FAULTY OR IMPERFECT WORKMANSHIP. THE CONTRACTOR SHALL PROVIDE TO THE CITY A TEN-YEAR MANUFACTURER'S WARRANTY FOR THE LED LUMINAIRES (FIXTURES ONLY)
- THIS GUARANTEE IS TO BE IN WRITING TO THE CITY AT THE TIME OF ISSUING FINAL ACCEPTANCE. MATERIALS AND WORKMANSHIP FOUND TO BE DEFECTIVE WITHIN THE ONE-YEAR GUARANTEE SHALL BE REPLACED WITHOUT COST TO THE CITY.

LED STREETLIGHT NOTES

INSTALL ONE 39W LED (4,700 LUMEN) FIXTURE WITH PHOTOELECTRIC CONTROL ON A 30'-6" POLE WITH A 6' MAST ARM PER APS DETAIL AND SPECIFICATIONS. FOUNDATION AND GROUNDING PER APS STANDARDS AND SPECIFICATIONS. POLE SHALL BE CENTEREED D 1'-0" BEHIND BACK OF SIDEWALK OR 4' BEHIND BACK OF CURB. INSTALL (2) #12 THHN/THWN FROM LUMINAIRE TO FUSE HOLDER IN POLE. INSTALL APS PULL BOX ADJACENT POLE WITH 1" FLEX CONDUIT TO POLE PER APS SPECIFICATIONS AND REQUIREMENTS. ALL WIRING, FUSING, AND GROUNDING PER APS DETAILS AND SPECIFICATIONS.

APS FORCES TO INSTALL CONTRACTOR SUPPLIED 6' MAST ARM AND 71W LED (7,600 LUMEN) FIXTURE WITH PHOTOELECTRIC CONTROL ON AN EXISTING APS POWER POLE PER APS DETAIL AND SPECIFICATIONS.

INSTALL ONE 97W LED (9,250 LUMEN) FIXTURE WITH PHOTOELECTRIC CONTROL ON A 38'-6" POLE WITH A 6' MAST ARM PER APS DETAIL AND SPECIFICATIONS. FOUNDATION AND GROUNDING PER APS STANDARDS AND SPECIFICATIONS. POLE SHALL BE CENTERED 1'-0" BEHIND BACK OF SIDEWALK OR 4' BEHIND BACK OF CURB. INSTALL (2) #12 THHN/THWN FROM LUMINAIRE TO FUSE HOLDER IN POLE. INSTALL APS PULL BOX ADJACENT POLE WITH 1" FLEX CONDUIT TO POLE PER APS SPECIFICATIONS AND REQUIREMENTS. ALL WIRING, FUSING, AND GROUNDING PER APS DETAILS AND SPECIFICATIONS.

ARIZONA PUBLIC SERVICE (APS) NOTES

- DRAWING FOR PRE-CONSTRUCTION MEETING PRIOR TO ANY EXCAVATION.
- A GRADE STAKE SHALL BE SET WITHIN TWO (2) FEET OF THE J-BOX LOCATION.
- THE CONTRACTOR WILL COORDINATE WITH APS AND CITY OF PHOENIX FOR DE-ENERGIZING OF STREETLIGHT CONDUCTOR.
- A GROUND ROD SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. THE GROUND ROD SHALL BE DRIVEN FLUSH OUTSIDE THE APS J-BOX AT EACH STREETLIGHT LOCATION.
- IF THE CONTRACTOR INSTALLS THE POLE, A BARE #6 COPPER GROUND WIRE SHALL BE
- ALL TRENCH AND CONDUIT TO BE INSPECTED BY APS. DO NOT BACKFILL UNTIL INSPECTED.
- APS CONSTRUCTION PRINT MUST BE USED AS A TRENCHING REFERENCE. TRENCHING VARIATIONS MUST HAVE WRITTEN APS CSR APPROVAL. FOLLOW DETAILS FOR CONSTRUCTION.

- CONTRACTOR IS RESPONSIBLE FOR VERIFYING VERTICAL AND HORIZONTAL CLEARANCES TO EXISTING OVERHEAD LINES AND POLES WHEN PLACING NEW STREETLIGHTS.

- THE CONTRACTOR SHALL CONTACT APS INSPECTOR IDENTIFIED ON THE APS CONSTRUCTION
- THE CONTRACTOR SHALL SUPPLY ALL TRENCH AND CONDUIT PER APS REQUIREMENTS. UNLESS OTHERWISE NOTED.

- CONNECTED FROM THE GROUND ROD TO THE GROUND CONNECTION IN THE HAND HOLE.
- VARIATIONS IN TRENCH ROUTE MAY RESULT IN A REDESIGN FEE PAYABLE BY THE CONTRACTOR
- CONTACT APS FOR ALL TRENCH AND CONDUIT SPECIFICATIONS AND REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INTEGRITY OF ALL CONDUITS UNTIL APS HAS INSTALLED CONDUCTORS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING REQUIRED VARIANCES PRIOR TO SUBMITTING CIP DRAWINGS TO THE UTILITIES.



REGION

100% PLANS

CONSTRUCTION

ARIZ.

DES: VM

ST89330282

COVER SHEET SL 1 SL 2 STREET LIGHT PLAN

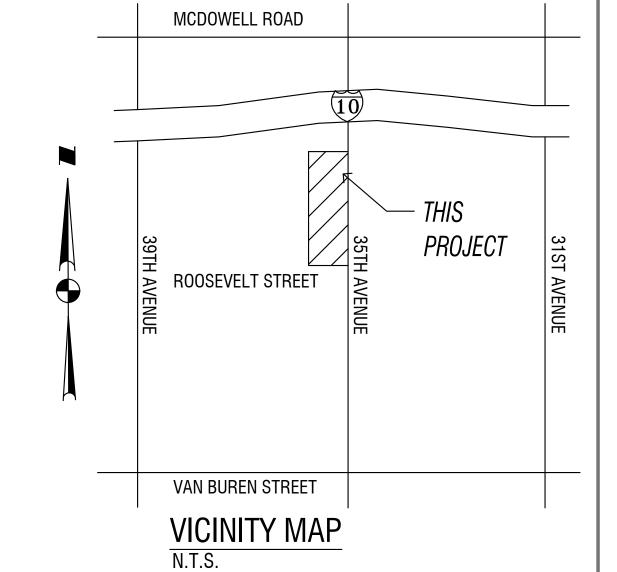
NO. TOTAL

430 W. WARNER RD, SUITE A111 TEMPE, AZ 85284

PHONE: (480) 247-3702

DATE: 09/21

DETAIL SHEETS SL 3



"PER CITY OF PHOENIX ORDINANCE G-4396, THESE PLANS ARE FOR OFFICIAL USE ONLY & MAY NO BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX.

STREET LIGHT COVER SHEET

APPROVED REVIEWED By Jason Fernandez at 8:19 pm, Oct 07, 20

Qaps

Contact Arizona 811 at least two full

Call 811 or click Arizona811.com

working days before you begin excavati

CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

ST89330282 35TH AVENUE: ROOSEVELT STREET TO I-10

PROJECT #: 89330282 FILE NO: DATE: 09/21 DATE: 09/21 DATE: 09/21 SCALE: 1:20 STAGE: 100% QS. #: SL-1 3

GRAY ROADWAY LED STREETLIGHT POLE AND LUMINAIRE SPECIFICATIONS

ITEM NUMBER	TYPE OF STREET	QUANTITY	MOUNTING HEIGHT	POLE LENGTH	MAST ARM	APPROVED POLE & ARM MANUFACTURERS	LUMEN	TYPE	WATTAGE	VOLTAGE	LUMINAIRE STYLE	APPROVED LUMINAIRE MANUFACTURERS
1	LOCAL	2	25'-11"	30'-6"	6'	CEM-TEC MS-1936 VALMONT CB09158 SOUTHWEST FABRICATION, LLC 306RDB	4,700	LED	39 W	Multi Volt 120-277V	COBRAHEAD	GENERAL ELECTRIC ERL1005C327AGRAYR
2	COLLECTOR	1	TBD	EX. APS POWER POLE	6'	CEM-TEC MS-1936 VALMONT CB09158 SOUTHWEST FABRICATION, LLC 306RDB	7,600	LED	71 W	Multi Volt 120-277V	COBRAHEAD	GENERAL ELECTRIC ERL1008C327AGRAYR
3	ARTERIAL	5	32'-11"	38'-6"	6'	CEM-TEC MS-1944 VALMONT CB09159 SOUTHWEST FABRICATION, LLC 386RDB	9,250	LED	97 W	Multi Volt 120-277V	COBRAHEAD	GENERAL ELECTRIC ERL1010C327AGRAYR

EXISTING STREET LIGHT MOUNTED ON POWER POLE EXISTING STREET LIGHT POLE

LEGEND

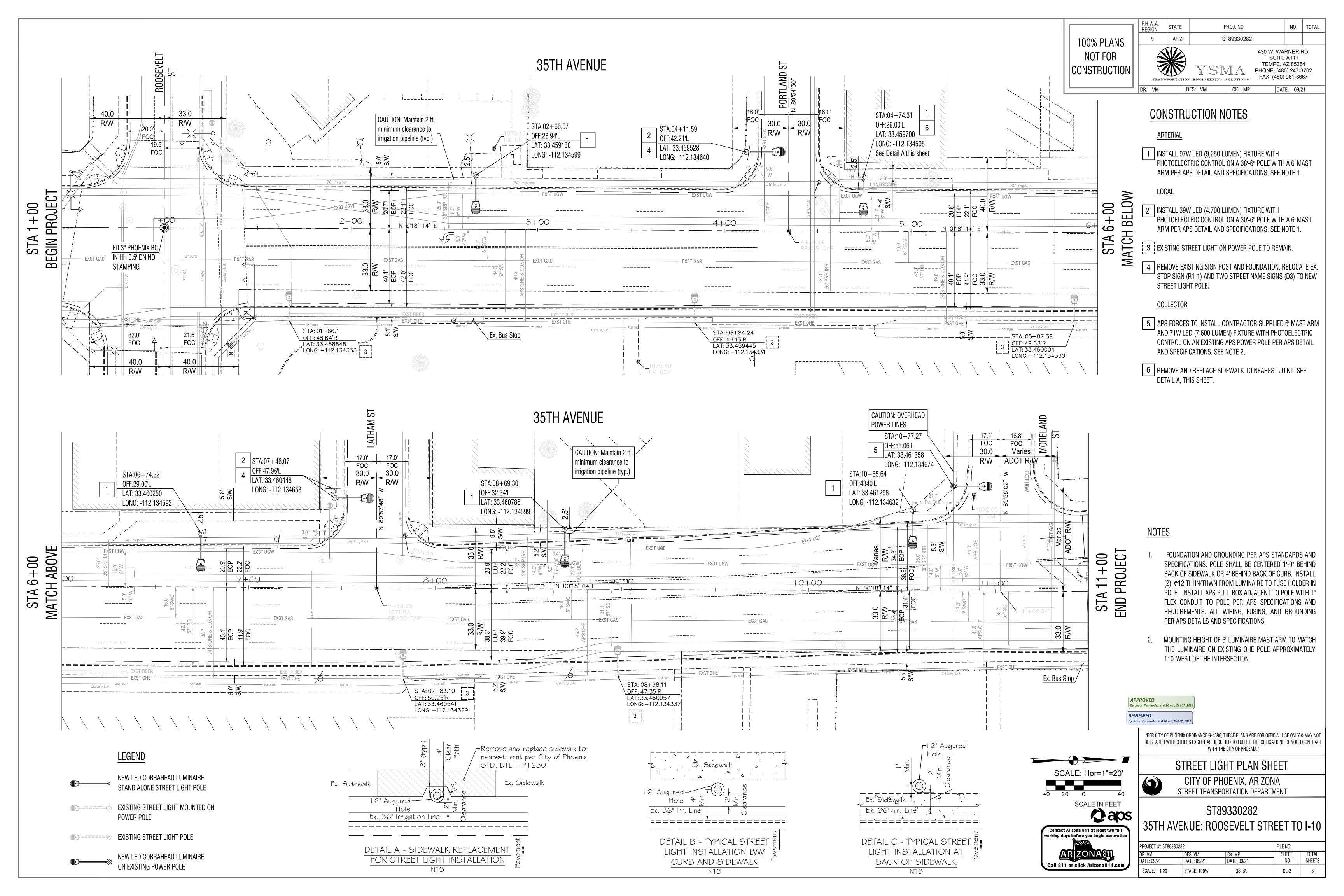
NEW LED COBRAHEAD LUMINAIRE

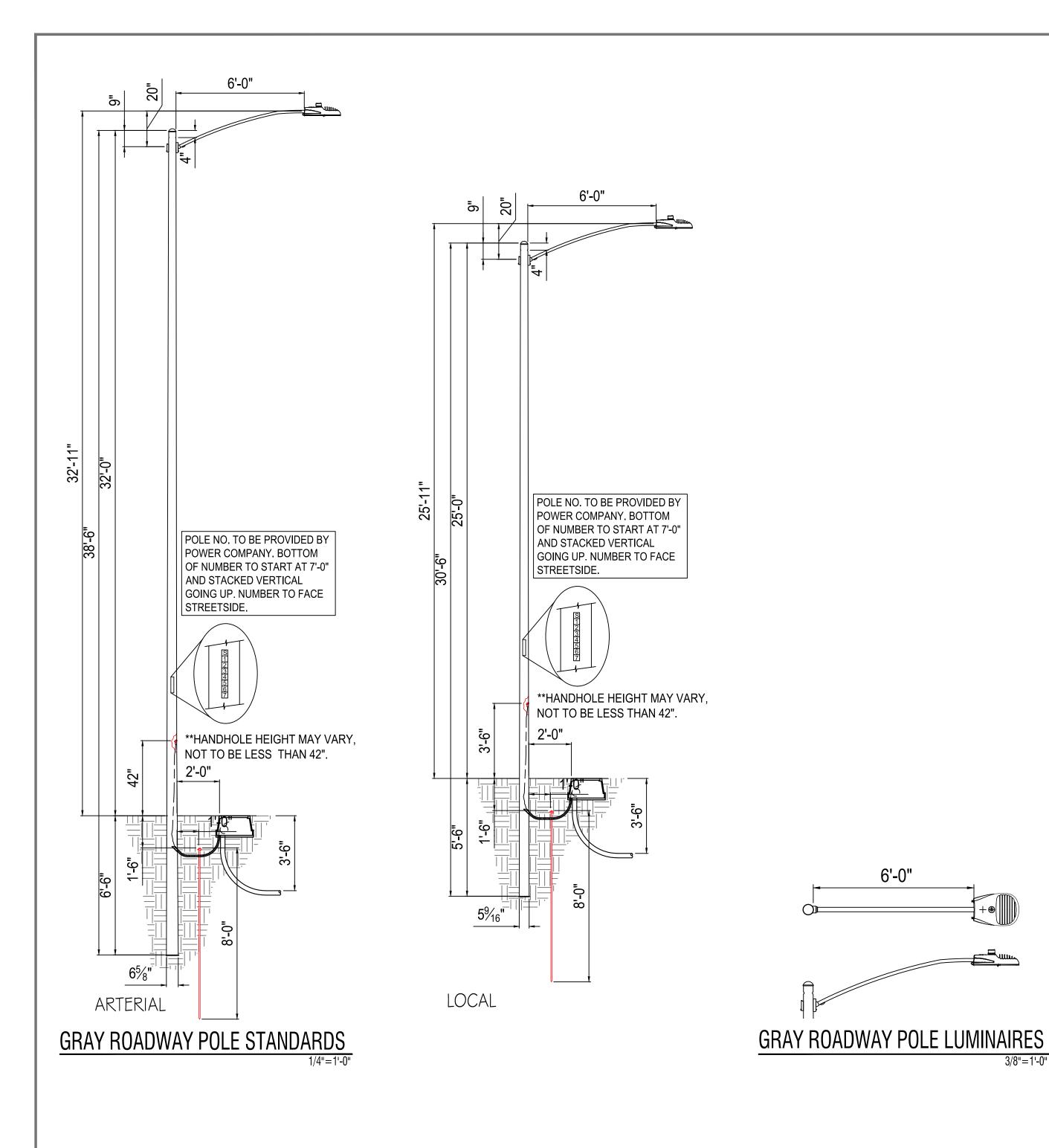
STAND ALONE STREET LIGHT POLE

NEW LED COBRAHEAD LUMINAIRE

ON EXISTING POWER POLE

ALL CATALOG NUMBERS SHALL BE CONFIRMED WITH POWER COMPANY PRIOR TO ORDERING





ELECTRICAL REQUIREMENTS FOR NEW POLE INSTALLATION

- 1. JUNCTION BOXES SHALL MEET UTILITY COMPANY STANDARDS.
- 2. CONDUIT, CONDUCTORS, AND FUSE HOLDERS SHALL BE LISTED AND LABELED FOR USE IN A WET LOCATION WHEN USED IN A JUNCTION BOX, NEC300,5(B), 310,8(C)
- 3. IN-LINE FUSE HOLDER USED IN HAND HOLE OR SERVICE DROP SHALL BE CONSIDERED AS DISCONNECTING MEANS. FUSE HOLDERS TO BE RATED AT 22,000 AIC MINIMUM. NEC 240.40
- 4. ELECTRICAL CONNECTIONS-CONDUCTORS OF DISSIMILAR METALS SHALL NOT BE INTERMIXED IN A TERMINAL OR SPLICING CONNECTOR WHERE PHYSICAL CONTACT OCCURS BETWEEN DISSIMILAR CONDUCTORS. (COPPER. ALUMINUM) UNLESS THE DEVICE IS IDENTIFIED FOR THE PURPOSE AND CONDITIONS OF USE, NEC 110.14
- 5. ELECTRICAL CONNECTIONS OR SPLICES IN AN UNDERGROUND INSTALLATION SHALL BE APPROVED FOR WET LOCATIONS. (NEC 300.5)
- 6. NON-CURRENT CARRYING CONDUCTIVE MATERIALS ENCLOSING ELECTRICAL CONDUCTORS OR EQUIPMENT, OR FORMING PART OF SUCH EQUIPMENT, SHALL BE CONNECTED TO EARTH IN A MANNER THAT WILL LIMIT THE VOLTAGE IMPOSED BY LIGHTNING OR UNINTENTIONAL VOLTAGE DUE TO SHORT CIRCUITS AND LIMIT THE VOLTAGE TO GROUND ON THESE MATERIALS. NEC 250.4(B) (GROUND RODS)
- 7. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED FROM THE GROUND LUG IN THE HAND-HOLE TO THE LUMINAIRE WITH THE CURRENT CARRYING CONDUCTORS, NEC 410.30(B)(3),

LIGHT Code

APN

CL62 GRAY 00128331 LED 71

TYPE | WATTS

- 8. CONNECTION TO THE GROUND ROD AND THE GROUNDING ELECTRODE SHALL BE LISTED AND LABELED FOR USE, NEC 250.8
- 9. CONNECT #6 BARE COPPER WIRE FROM THE GROUND ROD ADJACENT TO THE POLE OR IN JUNCTION BOX TO THE GROUND LUG IN THE POLE.

CONSTRUCTION NOTES:

- ADJUST PHOTO EYE TO FACE NORTH
- A GROUND ROD IS PROVIDED WITH THE JUNCTION BOX. WHERE A GROUND ROD CANNOT BE DRIVEN ALTERNATE GROUND SHALL BE USED. SEE 2449THRU 2460 FOR APPROVED ALTERNATES.
- THE 40'-6" SELF-SUPPORTING STEEL POLE AND ONE OF THE 38'-0", HAVE TWO, MANUFACTURED INSTALLED SIMPLEX FITINGS 180 APART FOR DOUBLE ARMS, SEE CHART.
- APN 33701054 IS A POLE BAND ADAPTOR WITH A SIMPLEX FITTING. ADAPTOR IS REQUIRED FOR THE SECOND ARM IN DOUBLE ARM APPLICATIONS ON EXISTING POLES IN THE FIELD WITHOUT TWO SIMPLEX FITTINGS. SEE 8198 FOR AVAILABLE SIZES.
- POLES THAT HAVE MORE THAN ONE LUMINAIRE REQUIRE A SEPARATE CIRCUIT WITH FUSING FROM THE J-BOX TO EACH LUMINAIRE.

ENGINEERING NOTES

- THE LIGHT CODE PROVIDES TWO SAME WATTAGE LUMINAIRES WHEN DOUBLE ARM ARE SPECIFIED.
- B SEE SPEC 8130 8131 FOR IN-LINE FUSE FOR UNDERGROUND FEEDS.
- C SEE 8100 THRU 8107 FOR OVERHEAD ATTACHMENTS.

20 YEAR PHOTOCELL REQUIREMENTS

INITIAL PHOTOMETRIC

CURVE

454659

LUMENS

4,700

APN# 00073241 CONTROL PHOTO MULTI BR-20 CONTROL. PHOTO-ELECTRIC. BROWN. 20YEAR FAIL OFF. 120/208/240/277 MULTI-VOLT, SILICON, SOLID STATE, 2.40 TO 3.60 FC ON 1.2 TO 2.4 FC OFF, 60 HERTZ, 320 JOULE MOV, INVERSE ON/OFF RATIO .6:1 +/- .1, FAIL OFF, THREE PIN NEMA TWISTLOCK, 20 YEAR LIFE, 8483-SIDE SELC, MODEL #8483F2TMABR

> DESCRIPTION 15" X 21" X 12" JUNCTION BOX WITH 3/8" CAPTIVE PENTA HEAD BOLTS

STATE

ARIZ.

DES: VM

REGION

100% PLANS

CONSTRUCTION

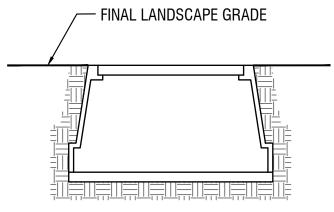
PROJ. NO.

ST89330282

CK: MP

WORD "ELECTRIC" ON COVER

BOX TO BE POLYMER CONCRETE MATERIAL WITH POLYMER CONCRETE BOLT DOWN (NON-CONDUCTIVE



FLUSH MOUNTED-BOLT ON COMPOSOLITE LID

PS APPROVED SUPPLIERS	PART NUMBER

STRONGWELL PC1118B513 BOX

> PC1118C504-17/UH0390AA COVER WITH ELECTRIC

A6001429A

NO. TOTAL

430 W. WARNER RD, SUITE A111

TEMPE, AZ 85284

PHONE: (480) 247-3702

FAX: (480) 961-8667

DATE: 09/21

ARMORCAST PRODUCTS

PA40-1015-12 CDR SYSTEMS

CARSON & ASSOCIATES HLW111B-12 BOX

HLW1118-P0 LID J-BOX SECTION

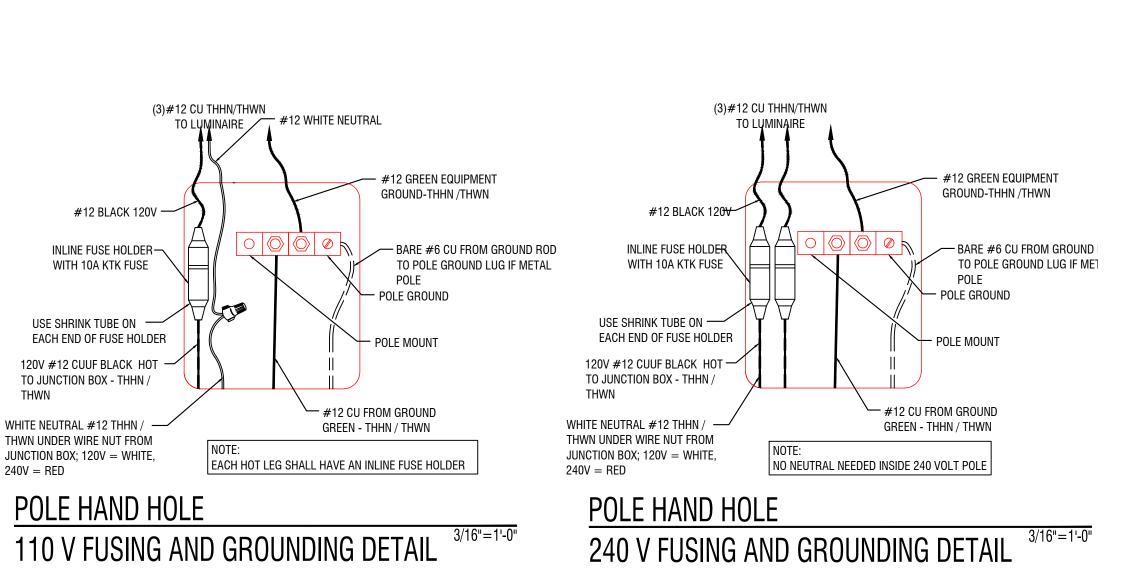
1944.__ 19 = 19' - 0" POLE SNG SIMPLEX 30 = 30' - 6" Pole SNG SIMPLEX 38 = 38' - 6" POLE SNG SIMPLEX 38X = 38' - 6'' POLE DBL SIMPLEX ** SEE SPEC. NOTE

CL6	63	001283	32	97	120-27	7 DRIVER	9,250	9,250 454688			
POLE TYPE	POLE	POLE	BURY	POLE ABOVE	POLE BUTT	DIAMETER			INAIRE HE Ground (HEIGHT ND ON ARM	
	CODE	LENGTH	DEPTH	GROUND	STEP	TAPER	WEIGHT	20" X 6'	3' X 8'	8' X 8'	
LOCAL	1944.30	30' - 6"	5' - 6"	25' - 0"	5-9/16"	7-5/16"	460	25' - 11"	27' - 3"	-	

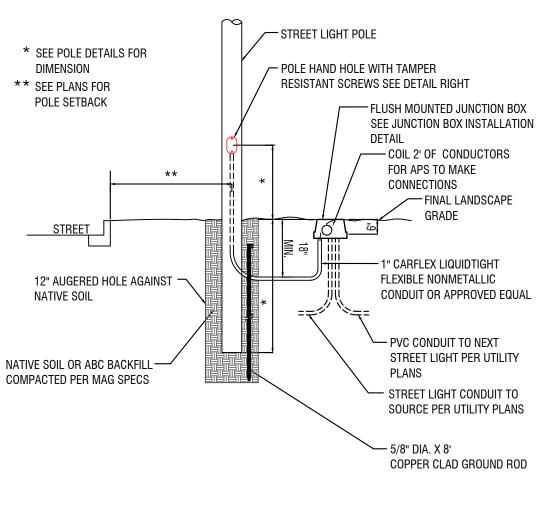
ARTERIAL | 1944.38X | 38' - 6" | 6' - 6" | 32' - 0" | 6-5/8" | 9-3/4" | 640 | 32' - 11" | 34' - 3" | 39' - 3" **FOR NON-STANDARD POLES, CONTACT THE STREET TRANSPORTATION STREETLIGHTING SECTION FOR INFORMATION.

120-277 DRIVER

	GE Evolve II Gray Cobra LED Fixtures						
WATT	LUMEN	DESCRIPTION	APN	MODEL#			
39W	4,700	SCALABLE ROADWAY GE LED GRAY Local Street LUMINAIRE 39WATT, 2700K, 4700 LUMEN, ROADWAY, LED, TERMINAL BOARD, 10KV SURGE PROTECTION, GRAY, MULTIVOLT 120-277V DRIVER, IES TYPE II MEDIUM, ANSIC136.41 7 PIN TWISTLOCK PHOTO CONTROL RECEPTACLE.	128330	ERL1005C327AGRAYR			
71W	7,600	SCALABLE ROADWAY GE LED GRAY Collector Street LUMINAIRE 71WATT, 2700K, 7600 LUMEN, ROADWAY, LED, TERMINAL BOARD, 10KV SURGE PROTECTION, GRAY, MULTIVOLT 120-277V DRIVER, IES TYPE II MEDIUM, ANSIC136.41 7 PIN TWISTLOCK PHOTO CONTROL RECEPTACLE.	128331	ERL1008C327AGRAYR			
97W	9,250	SCALABLE ROADWAY GE LED GRAY Arterial Street LUMINAIRE 97WATT, 2700K, 9250 LUMEN, ROADWAY, LED, TERMINAL BOARD, 10KV SURGE PROTECTION, GRAY, MULTIVOLT 120-277V DRIVER, IES TYPE II MEDIUM, ANSIC136.41 7 PIN TWISTLOCK PHOTO CONTROL RECEPTACLE.	128332	ERL1010C327AGRAYR			



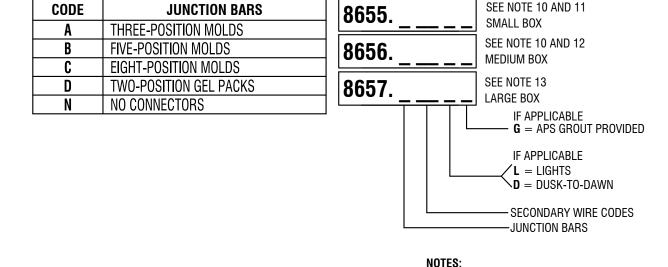
240 V FUSING AND GROUNDING DETAIL



POLE GROUNDING DETAIL

3/16"=1'-0"

APS J-BOX DETAIL



SERVICE

CONCRETE GROUT SHALL BE PREMIX, APN 71301280 OR EQUIVALENT.

- PENTA-HEAD BOLTS SHALL BE INSTALLED PRIOR TO ENERGIZING NEW UNDERGROUND SYSTEMS. LOST OR MISPLACED PENTA-HEAD BOLTS SHALI
- AND SERVICE CONDUITS SHALL BE INSTALLED AS SHOWN IN DETAIL "A". WHEN SIX POSITION JUNCTION BARS ARE SPECIFIED, THE ST. LT., SECONDARY AND SERVICE CONDUITS SHALL BE INSTALLED AS SHOWN IN
- COMPACTION BENEATH AND AROUND JUNCTION BOX SHALL BE A MINIMUM OF 85 PERCENT.
- REPLACEMENT LID FOR MEDIUM PLASTIC JUNCTION BOX IS 33100981. PENTAHEAD BOLTS AND EMS MARKER MUST BE REUSED FROM OLD LID.
- ADDITIONAL TRENCH DEPTH IS USUALLY REQUIRED AT ALL EQUIPMENT LOCATIONS. SEE 8648 FOR THE MINIMUM TRENCH DEPTHS AND THE DEGREE OF SLOPE ALLOWED AS THE TRENCH DEPTH CHANGES.
- ON 277 VOLT STREET LIGHT CIRCUITS, INSTALL "277 VOLT" RED MICARTA TAG (APN 00080796) PROVIDED BY SPEC 8129
- 8. TORQUE BOLTS TO 5 FT LBS (60 IN LBS).

APPROVED By Jason Fernandez at 8:27 pm, Oct 07, 2021 REVIEWED By Jason Fernandez at 8:27 pm, Oct 07, 2021



"PER CITY OF PHOENIX ORDINANCE G-4396, THESE PLANS ARE FOR OFFICIAL USE ONLY & MAY NO BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT

WITH THE CITY OF PHOENIX."

STREET LIGHT DETAILS



ST89330282 35TH AVENUE: ROOSEVELT STREET TO I-10

