ELECTRICAL LEGEND							
SYMBOL	DESCRIPTION						
-□-	STREET LIGHT POLE FIXTURE (ARROW INDICATES DIRECTION OF AIMING FOR OPTICS). SEE STREET LIGHT POLE DETAILS ON SHEETS E1.2 & E1.3.						
	CONDUIT STUB OUT (PROVIDE CONCRETE MARKER ON EXTERIOR)						
←	DEDICATED CONDUIT HOMERUN TO PANEL & CIRCUIT NUMBERS AS INDICATED ON PLANS						
	RACEWAY CONCEALED IN WALL OR CEILING						
/	RACEWAY CONCEALED UNDERGROUND OR UNDER FLOOR SLAB						
***	MARKS INDICATE NUMBER OF #12 AWG UNLESS NOTED OTHERWISE						
→	GROUNDING CONDUCTOR						
1	CONSTRUCTION NOTES						
HH	HANDHOLE						
S	STREET LIGHTING SERVICE CABINET						

	LIGHTING FIXTURE SCHEDULE					
SYMBOL	DESCRIPTION	LAMPS	<u>VOLTS</u> WATTS			
P1 →	FIXTURE: LEOTEK LED GC1-40E-MV-NW-2-530 NOTE: 1. FIXTURE HEADS ARE MOUNTED AT 30' AFG. 2. FIXTURES AS SPECIFIED ARE A TYPE 2 DISTRIBUTION. 3. PROVIDE WITH PHOTOCELL.	LED 7,200 LUMENS	120-277V 67W			

GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF PUYALLUP PUBLIC WORKS STANDARDS AND WSDOT STANDARDS AND SPECIFICATIONS.
- 2. THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION START.
- 3. UTILITY LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY ILLUMINATION WORK.
- 4. ALL WORK SHALL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE WITH AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
- 5. CONDUIT LOCATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES. ACTUAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD.
- 6. CONTRACTOR SHALL COORDINATE WITH THE CITY SIGNAL/ILLUMINATION TECHNICIAN AT 253.405.4390 PRIOR TO CONSTRUCTION.
- 7. THE LOCATION OF ALL CONDUITS, JUNCTION BOXES, POLES, AND CABINETS SHOWN ON THIS PLAN MAY BE ADJUSTED IN THE FIELD TO AVOID CONFLICTS AND MEET ADA REQUIREMENTS. ALL FINAL LOCATIONS SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO CONSTRUCTION.

SCALE: 1"=20'-0"

- 8. JUNCTION BOX LOCATIONS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. JUNCTION BOXES SHALL BE FIELD LOCATED BY THE CONTRACTOR WITH DIRECTION FROM THE CITY.
- 9. CONTRACTOR SHALL ADJUST JUNCTION BOX LIDS TO BE FLUSH WITH TOP OF SIDEWALK.
- 10. ANY NEW JUNCTION BOX WHICH WILL BE LOCATED WITHIN OR PARTIALLY WITHIN SIDEWALK SHALL HAVE LIDS AND FRAMES WITH A NON-SLIP COATING ON THE TOP SURFACE EQUAL TO MEBAC1 OR SLIPNOT#3.
- 11. ALL CONDUIT SHALL BE INSTALLED 24" BELOW GRADE
 PER CITY OF PUYALLUP STANDARDS.
 Separate electrical permit is required with Washington State Department of Labor &

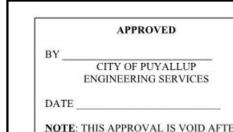
Industries.

https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections or Licensing information: Call 1-800-647-0982

CONSTRUCTION NOTES

- 1 APPROXIMATE LOCATION OF EXISTING POWER POLE WITH OVERHEAD LINES.
- PROVIDE (1) 2" PVC SCHEDULE 40 CONDUIT WITH (2) #8 CU & (1) #8 CU GND.
- 3 PROVIDE (1) 2" PVC SCHEDULE 40 CONDUIT WITH PULLSTRING.
- PROVIDE SCHEDULE 80 CONDUIT AT ROADWAY CROSSINGS.
- 5 PROVIDE TYPE 1 JUNCTION BOX WITH SLIP RESISTANT COATING PER CITY OF PUYALLUP STANDARDS.
- 6 PROVIDE NEW STREET LIGHTING SERVICE CABINET PER CITY OF PUYALLUP STANDARDS. COORDINATE WITH CITY OF PUYALLUP TRAFFIC ENGINEER PRIOR TO ORDERING AND INSTALLATION.
- 7 PROVIDE CT'S AND METERING PER PSE STANDARDS. COORDINATE WITH PSE AS REQUIRED.

PRRNSF20230918



NOTE: THIS APPROVAL IS VOID AFTER
1 YEAR FROM APPROVAL DATE. THE
CITY WILL NOT BE RESPONSIBLE FOR
ERRORS AND/OR OMISSIONS ON THESE
PLANS. FIELD CONDITIONS MAY
DICTATE CHANGES TO THESE PLANS
AS DETERMINED BY THE ENGINEERING
SERVICE MANAGER

bce engineers bce engineers p:(253) 922f: (253) 922-



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STREET LIGHTING

FI ECTRICAL SITE PLAN

DATE: 10/11/2023
SUBMITTAL: PERMIT

PROJECT No. 223-328

STREETLIGHT STANDARDS SHALL PROVIDE A FIXTURE MOUNTING HEIGHT OF 30'0" PLUS OR MINUS 6" WITH A TYPICAL 12 FOOT MAST ARM WITH A THREE

BASE PLATE SHALL HAVE SLOTTED HOLES TO ACCOMMODATE 1-INCH ANCHOR BOLTS, AND 11 1/2" BOLT CIRCLE WITH MINIMUM CLEARANCE OF 1" BETWEEN

HANDHOLE CENTER SHALL BE LOCATED APPROXIMATELY 12 INCHES FROM THE BASE PLATE, ROTATED 270 DEGREES FROM MAST ARM SO AS THE HANDHOLE IS LOCATED ON THE SIDE OPPOSING ONCOMING TRAFFIC.

POLES SHALL MEET ALL STRENGTH REQUIREMENTS OF AASHTO FOR 90 MPH ISOTACH WHEN USED WITH A LUMINAIRE WEIGHING 48 POUNDS WITH A E.P.A. OF 1.1 SQUARE FEET. ALL ATTACHING BOLTS AND SCREWS THAT ARE NOT GALVANIZED SHALL BE STAINLESS STEEL.

THE POLES AND ALL HARDWARE SAHALL BE HOT DIPPED GALVANIZED, MINIMUM 3 MIL THICKNESS.

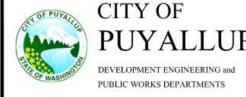
- d. MAST ARM ATTACHMENT SHALL BE SECURED BY 3 BOLTS.
- e. EACH POLE SHALL HAVE HANDHOLE (WITH COVER), GROUND LUG AND REMOVABLE POLE CAP.
- f. EACH CITY POLE SHALL HAVE A BLACK 4" TO 6" LETTER C STENCILED ON ROADWAY SIDE OF POLE 16" ABOVE GRADE.

ANCHORAGE

 POLES SHALL BE ANCHORED WITH 4 BOLTS, 1"X36"X4" #8UNC WITH HOT DIPPED GALVANIZING AFTER THREADS ARE CUT. GALVANIZED AREA SHALL EXTEND FROM THREADED END FOR A MINIMUM OF 12 INCHES. BOLTS SHALL BE PROVIDED WITH 2 GALVANIZED NUTS AND FLAT WASHERS FOR LEVELING. SHIMS WILL NOT BE USED.

b. A NON-SHRINKING GROUT SHALL BE INSTALLED WITH ONE 1/2" DRAIN HOLE UNDER THE BASE PLATE AFTER THE ENGINEER HAS APPROVED THE POLE INSTALLATION.

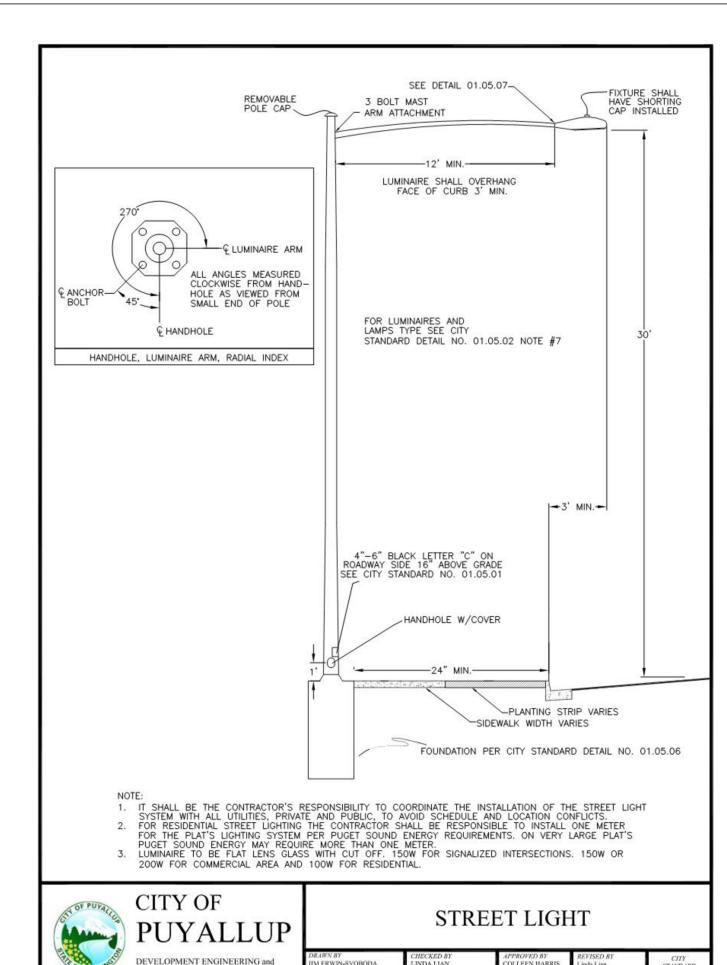
ALL CONDUIT SHALL BE BURIED A MINIMUM OF 24 INCHES DEEP. ALL ROADWAY CROSSINGS SHALL BE RIGID METALLIC OR SCHEDULE 80 PVC. CONDUIT SHALL CONFORM TO SECTION 9-29 OF WSDOT STANDARD SPECIFICATIONS. SCHEDULE 80 PVC MAY BE USED IN LOCATIONS OTHER THAN ROADWAY CROSSINGS.



PUBLIC WORKS DEPARTMENTS

STREET LIGHT **SPECIFICATIONS**

DRAWN BY JIM ERWIN-SVOBODA	CHECKED BY LINDA LIAN	APPROVED BY REVISE COLLEEN HARRIS LINDA			CITY STANDARD
FILE NAME F:DWG:COMMON:STDS:CITY/2009/01_STR:01.05/01.05.01		DATE APPROVED 07/01/2009	DATE REVISED 02/25/2015	SCALE 1:1	01.05.0



(STR LIGHT SPECS CONTINUED)

JUNCTION BOXES (WHEN REQUIRED)

JUNCTION BOXES SHALL BE INSTALLED AT LOCATIONS AS SHOWN ON THE PLANS. THEY WILL CONFORM TO WSDOT STANDARD PLAN J-40.10-02, TYPE 1. THEY SHALL BE LEVEL WITH THE SIDEWALK GRADE AND FIRMLY BEDDED TO PREVENT FUTURE SETTLING. JUNCTION BOXES ARE PREFERRED NOT TO BE INSTALLED IN THE SIDEWALK. THE COVER SHALL BE GALVANIZED AND GROUNDED. THE LETTERS "LT" SHALL BE ETCHED ON THE COVER. (SEE CITY STANDARD DETAIL NO. 01.06.01). IF THE JUNCTION BOX IS NOT IN THE SIDEWALK THEN IT SHALL HAVE A CONCRETE COLLAR. IF THE JUNCTION BOX IS IN THE SIDEWALK THEN IT SHALL HAVE A NON-SLIP SURFACE TREATMENT. SEE CITY STANDARD DETAIL NO. 01.06.01.

CONDUCTORS, WIRES, ETC. WIRE CONDUCTORS FOR UNDERGROUND FEEDER RUNS AND FOR CIRCUITRY FROM THE IN-LINE FUSE IN THE POLES TO THE JUNCTION BOX SHALL BE 600 VOLT, SINGLE CONDUCTOR STRANDED COPPER AND INSULATED WITH USE GRADE POLYVINYL CHLORIDE COMPOUND (XLP) OR APPROVED EQUAL IN ACCORDANCE WITH THE INSULATED POWER CABLE ENGINEER'S ASSOCIATION SPECIFICATIONS. AN AWG NO. 8 GREEN INSULATED STRANDED COPPER WIRE WILL BE RUN TO THE SERVICE GROUND LUG ON EACH POLE. FEEDERS SHALL BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. WIRES INSIDE THE POLE BETWEEN BALLAST AND IN-LINE FUSES SHALL BE ROME 2C AWG 10 STRANDED POLE AND BRACKET WIRE OR APPROVED EQUAL. SPLICES WILL BE ALLOWED IN JUNCTION BOXES AND POLE BASES ONLY. NO MORE THAN 2 CONDUITS WILL BE ALLOWED INSIDE THE STREET POLE.

LUMINARE FUSING AND ELECTRICAL CONNECTIONS AT LIGHT STANDARD BASES SHALL CONFORM TO SECTION 9-29.7 OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS AND AS SHOWN ON THE UNIFORM LUMINARE WIRING DETAIL IN THE APPENDIX. IN-LINE FUSE HOLDERS SHALL BE SEC MODEL 1791-SF WITH FNM-5 FUSES OR APPROVED EQUAL. (REFER TO CITY STANDARD DETAIL NO. 01.06.01)

7. LUMINAIRES AND LAMPS

RESIDENTIAL STREETS AND NEIGHBORHOOD COLLECTORS: LEOTEK LED GC1-40E-MV-NW-2-530 (67 WATT LED)

ARTERIALS AND COMMERCIAL COLLECTORS:

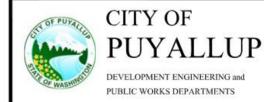
GE EVOLVE LED ERS2-E-0-HX-EX-5-40 (130 WATT LED)

THE CITY WILL ENERGIZE THE STREET LIGHTS WHEN A HOME IS OCCUPIED ADJACENT TO A STREET LIGHT OR IMMEDIATELY ACROSS THE STREET. AT THE DEVELOPER'S REQUEST, STREET LIGHTS MAY BE ENERGIZED PRIOR TO OCCUPANCY OF HOMES. HOWEVER, THE DEVELOPER OR BUILDER SHALL ASSUME FULL RESPONSIBILITY FOR ELECTRICAL POWER COSTS AND REPAIR COSTS DUE TO VANDALISM, THEFT, OR CONSTRUCTION.

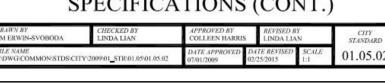
THE CONTRACTOR IS ADVISED THAT SAFE WIRING LABELS REQUIRED BY LABOR AND INDUSTRIES SHALL APPLY ON THIS PROJECT. (ELECTRICAL INSPECTION STICKER)

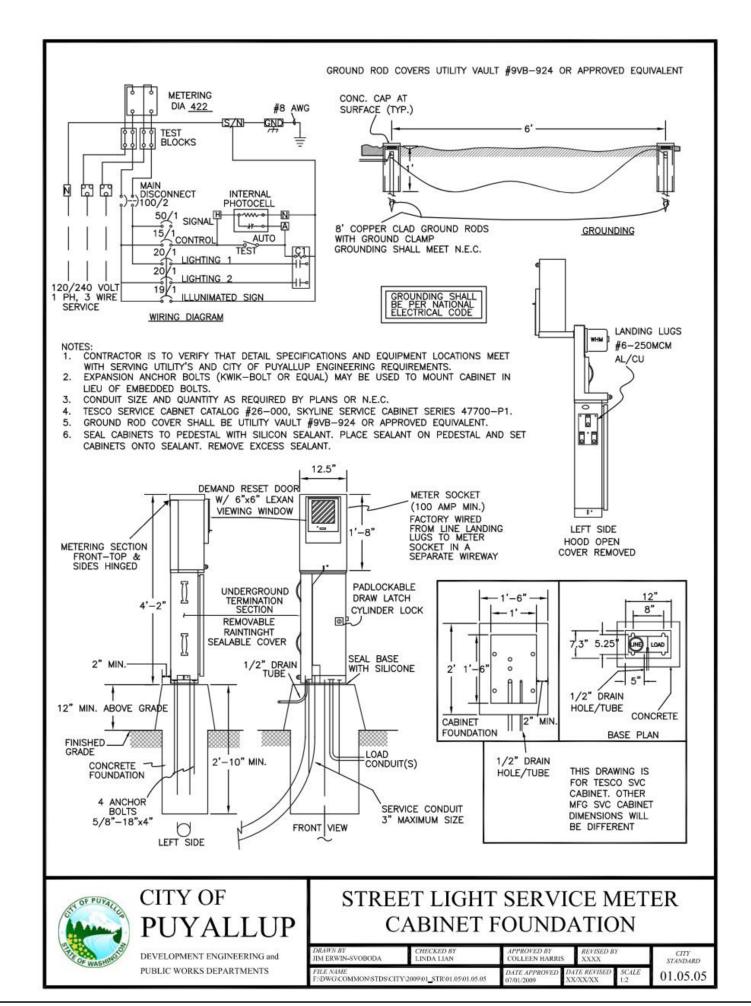
THE CONTRACTOR SHALL SURRENDER TO THE CITY OF PUYALLUP ANY GUARANTEE OR WARRANTY ACQUIRED BY HIM AS A NORMAL TRADE PRACTICE IN CONNECTION WITH THE PURCHASE OF ANY MATERIALS OR ITEMS USED IN THE CONSTRUCTION OF THE ILLUMINATION.

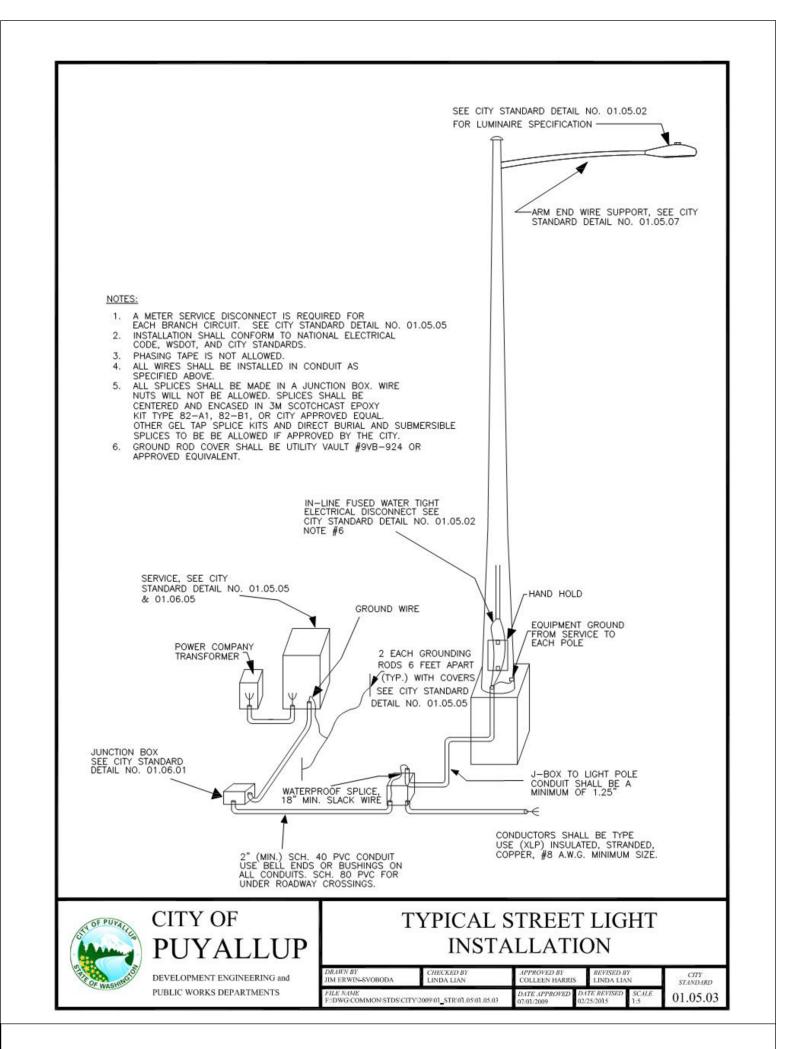
LOCATION SEE CITY STANDARD SECTION 01.01 ROADWAY DESIGN.

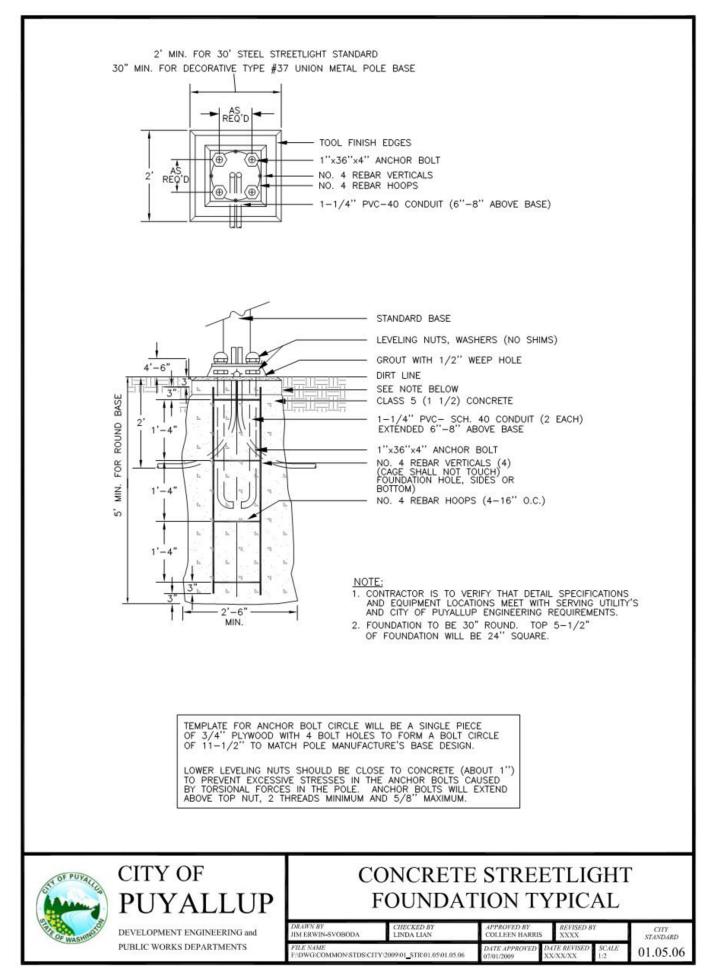


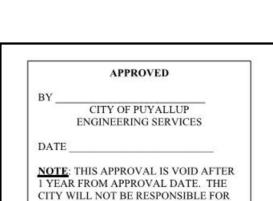












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SERVICE MANAGER

PRRNSF20230918

REVISIONS NO. DESCRIPTION DRAWN BY: CHECKED BY: PROJECT MANAGER: DRAWING No. 2 of 3 TOTAL

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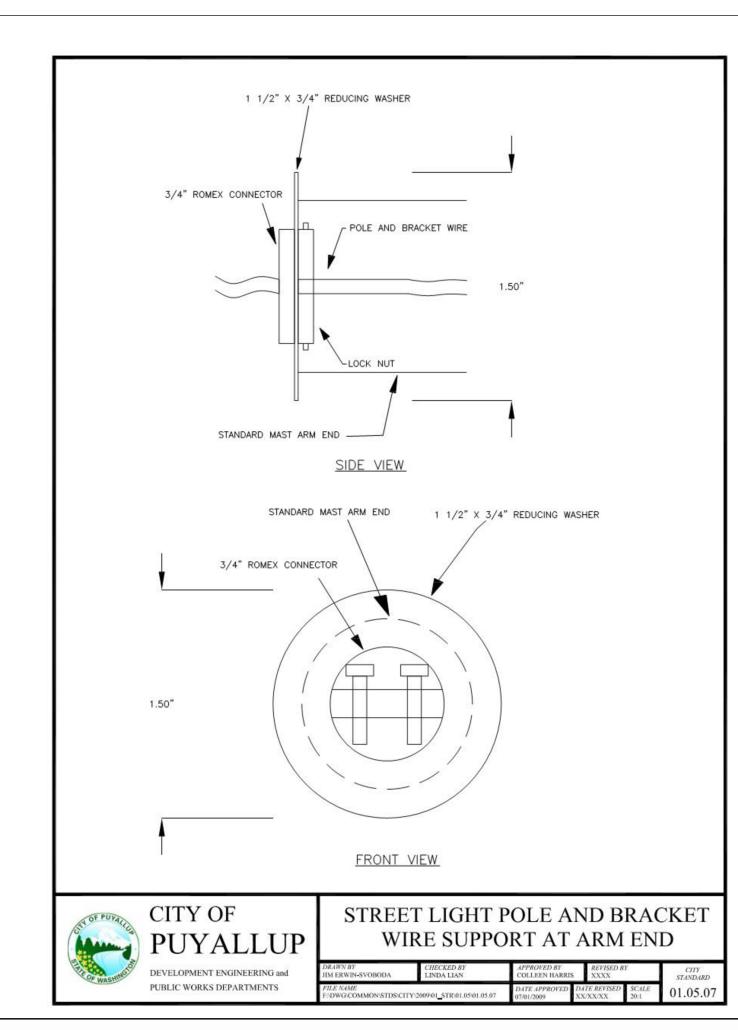
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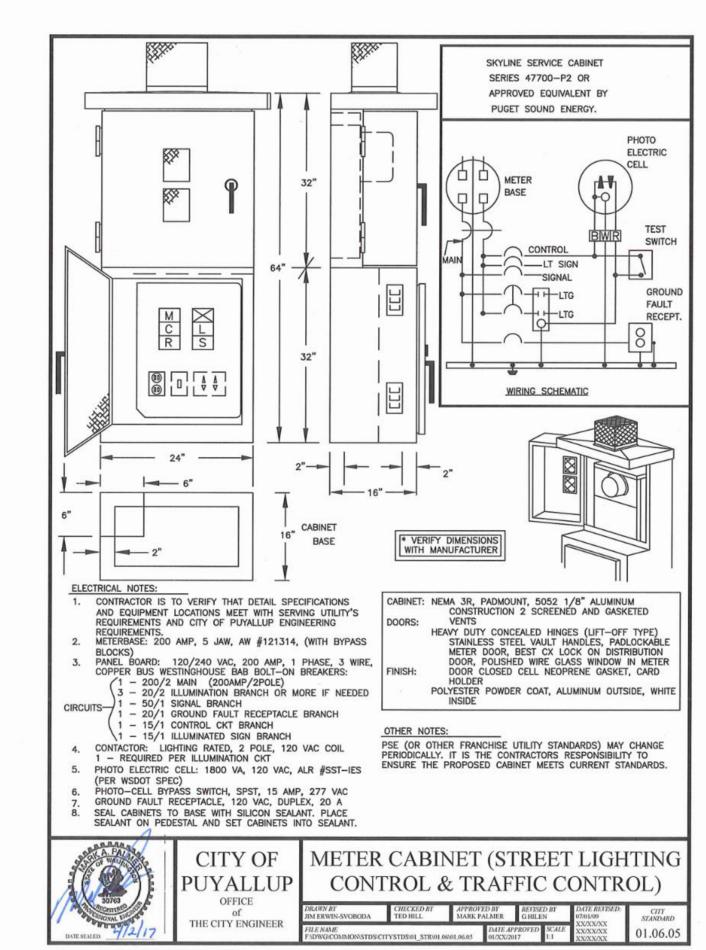
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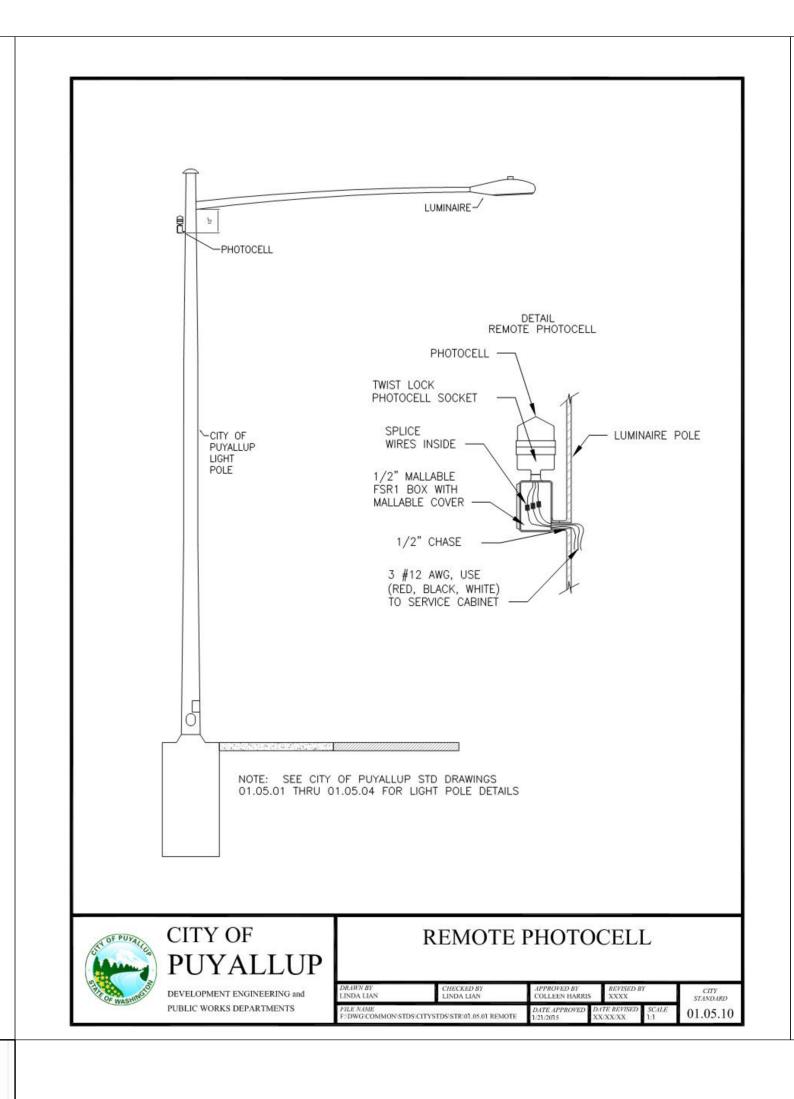
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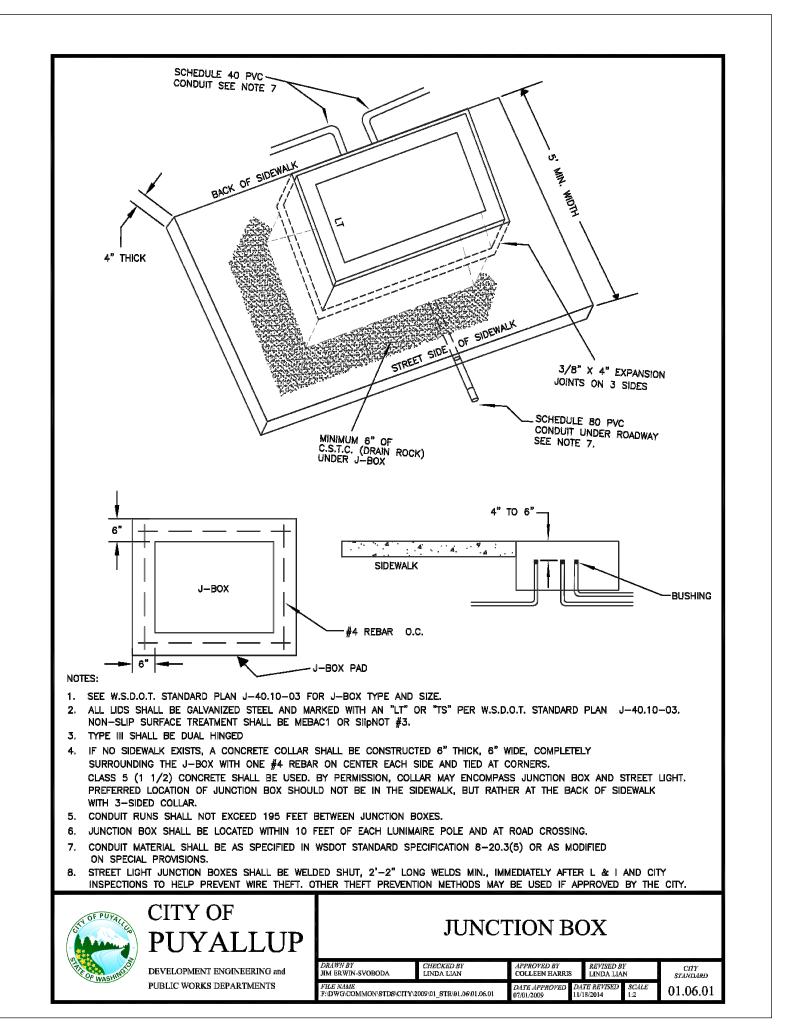
DATE: 10/11/2023 SUBMITTAL: PERMIT

PROJECT No. 223-328

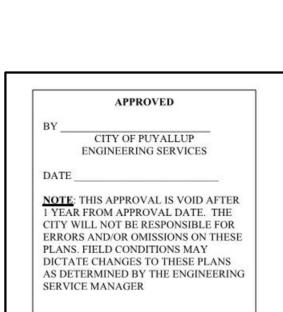


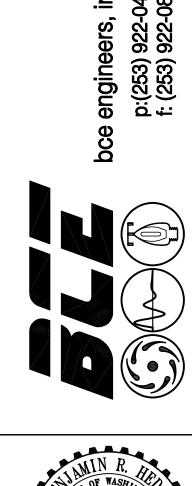


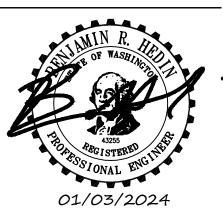




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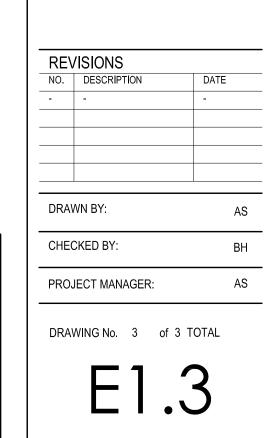


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DUPLEX IGHTING

STREET LIGHT

CITY OF PUYALLUP STREET LIGHTING DETAILS



DATE: 10/11/2023

SUBMITTAL: PERMIT PROJECT No. 223-328