DOS LAGOS - LOT E

CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

STREET LIGHTING PLANS A PORTION OF THE NW 1/4 OF THE NW 1/4 OF SECTION 10, TOWNSHIP 19 N, RANGE 4 E, W.M.

STREET LIGHTING SPECIFICATIONS

30-FOOT STEEL STREETLIGHT STANDARD

a. DIMENSIONS

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.

b. STRENGTH

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
- f. EACH CITY POLE SHALL HAVE A BLACK 4" TO 6" LETTER C STENCILED ON ROADWAY SIDE OF POLE 16" ABOVE GRADE.

a. 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.



STREET LIGHT **SPECIFICATIONS**

<i>RAWN BY</i> M ERWIN-SVOBODA	CHECKED BY LINDA LIAN	APPROVED BY COLLEEN HARRIS				CITY STANDARD
		DATE APPROVED 07/01/2009	DATE REVISED 02/25/2015		SCALE 1:1	01.05.0

(STR LIGHT SPECS CONTINUED)

4. 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)

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.

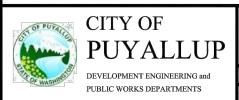
THE CONTRACTOR IS ADVISED THAT SAFE WIRING LABELS REQUIRED BY LABOR AND INDUSTRIES SHALL APPLY ON THIS PROJECT. (ELECTRICAL INSPECTION STICKER)

GUARANTEE

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



STREET LIGHT SPECIFICATIONS (CONT.)

DRAWN BY JIM ERWIN-SVOBODA	CHECKED BY LINDA LIAN	APPROVED BY REVISED BY COLLEEN HARRIS LINDA LIA			CITY STANDARD	
FILE NAME F:\DWG\COMMON\STDS\CITY\2009\01_STR\01.05\01.05.02		DATE APPROVED 07/01/2009		TE REVISED 25/2015	SCALE 1:1	01.05.02

LUMINAIRE SCHEDULE							
STD NO.	SERVICE-CIRCUIT	STATION/OFFSET	LIGHT SPECIFICATION	COMMENTS			
1	TIE-IN TO EXISTING	33+09, 36' LT	GE ERL2 VOLTAGE 23 C3 40 D GRAY (194W)				
2	TIE-IN TO EXISTING	34+43, 36' LT	GE ERL2 VOLTAGE 23 C3 40 D GRAY (194W)				

<u>LEGEND</u>				
© (# = POLE #)	STREET LIGHT LUMINAIRE. FOUNDATION IS EXISTING			
	JUNCTION BOX			
—————————————————————————————————————	EXISTING UNDERGROUND CONDUIT WITH NEW WIRE			
	NEW UNDERGROUND CONDUIT AND WIRE			
\triangle	WIRE NOTE, SEE WIRING SCHEDULE			
○— —;; (E)	EXISTING (E) STREET LIGHT			

	COPPER WIRING SCHEDULE						
RUN NO.	CONDUIT	WIRE	COMMENTS				
\triangle	2" SCH 80	3#8, 3#10, 3#12 (PHOTOCELL)					
<u>^2</u>	2" SCH 80	LOCATION WIRE, PULL CORD	SPARE FUTURE INTERCONNECT				
3	2" SCH 80	3#10, 3#12 (PHOTOCELL)					

GENERAL NOTES

1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS. REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES AT (253-841-5568) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED PLANS AT THE MEETING.

2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT THE CONTRACTOR SHALL PUNCH LIST OBTAIN A PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.

3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL STANDARD CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF SPECIFICATIONS TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").

4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.

5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.

THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.

7. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL

8. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY.

9. THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS. AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.

10. POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5 FEET.

THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.

13. CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.

14. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE AT (360)407-6300.

15. ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED S PLANNING DIVISION. PREPARATION AND BY THE CITY IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT

6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON

BE DONE SO AT THE DEVELOPER'S EXPENSE.

11. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER.

12. DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO

THE DEVELOPER'S EXPENSE.

CITY OF PUYALLUF ENGINEERING DEPARTMENT

APPROVED

TRES WEST ENGINEERS, INC. NOTE: THIS APPROVAL IS VOID 2702 SOUTH 42ND STREET, SUITE 301 AFTER 180 DAYS FROM APPROVAL TACOMA, WA 98409-7315 Phone: 253.472.3300 www.treswest.com

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 DEVELOPMENT

ENGINEERING SERVICES MANAGER.

ILLUMINATION NOTES

1. 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.

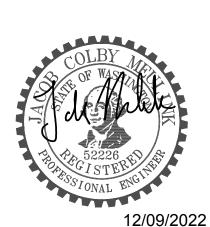
6. CONTRACTOR SHALL COORDINATE WITH THE CITY SIGNAL/ILLUMINATION TECHNICIAN AT 253.405.4390 PRIOR TO CONSTRUCTION.

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.

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.



PROJECT TITLE

DOS LAGOS - LOT E

PROJECT ADDRESS 4202 5TH ST SE PUYALLUP, WA 98373

KEY PLAN





REVISION CITY REVIEW 12/09/2022

NOTES & SCHEDULES

DRAWN CHECKED TWE JOB# CLIENT JOB# SHEET SCALE

SHEET TITLE

SHEET NUMBER

SHEET 1 OF 3

DPH

NONE

DOS LAGOS - LOT E STREET LIGHTING PLANS A PORTION OF THE NW 1/4 OF THE NW 1/4 OF SECTION 10, TOWNSHIP 19 N, RANGE 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

APPROVED

CITY OF PUYALLUP ENGINEERING DEPARTMENT

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON



Phone: 253.472.3300

www.treswest.com

THESE PLANS.
FIELD CONDITIONS MAY DICTATE
CHANGES TO THESE PLANS AS
DETERMINED BY THE DEVELOPMENT
ENGINEERING SERVICES MANAGER.

PLAN NOTES

- 1) EXISTING STREET LIGHT TO REMAIN. SHOWN FOR REFERENCE
- 2 EXISTING STREET LIGHT AND JUNCTION BOX TO BE RELOCATED TO ACCOMMODATE NEW SIDEWALK INSTALLATION. SEE LIGHT STANDARD SCHEDULE FOR STATION AND OFFSET FOR NEW LOCATION OF EXISTING STREET LIGHT. JUNCTION BOX SHALL BE PLACED AT BACK EDGE OF SIDEWALK. SEE CITY STANDARD DETAIL 01.06.01. EXTEND CONDUIT AND WIRE AS REQUIRED FOR RE-CONNECTION OF STREET LIGHTS TO EXISTING CIRCUIT.
- 3 PROVIDE TRENCHING AND BACKFILL AS REQUIRED TO INSTALL NEW CONDUITS. SEE WIRING SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- (4) PROVIDE AND INSTALL FOUNDATION, POLE, BRACKET ARM, BRACKET CABLE, 240V LUMINAIRE AND PHOTOCELL PER MANUFACTURERS RECOMMENDATIONS. SEE CITY STANDARDS 01.05.01, 01.05.02, 01.05.03, 01.05.04, 01.05.06, 01.05.07 AND 01.05.10.
- (5) PROVIDE AND INSTALL JUNCTION BOX AT APPROXIMATE LOCATION SHOWN. JUNCTION BOX SHALL BE PLACED IN THE SIDEWALK, FLUSH WITH BACK EDGE OF SIDEWALK. SEE CITY STANDARD 01.06.01.
- 6 EXISTING STREET LIGHT ON SIGNAL ARM TO REMAIN. SHOWN FOR REFERENCE ONLY.
- (7) ROUTE NEW CONDUIT AND CONDUCTORS TO EXISTING JUNCTION BOX AND COMPLETE CONNECTION TO EXISTING STREET LIGHTING CIRCUIT.



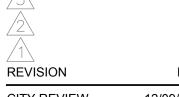
PROJECT TITLE

DOS LAGOS - LOT E

PROJECT ADDRESS 4202 5TH ST SE PUYALLUP, WA 98373

KEY PLAN





CITY REVIEW ISSUED 12/09/2022 SHEET TITLE

STREET LIGHTING PLAN

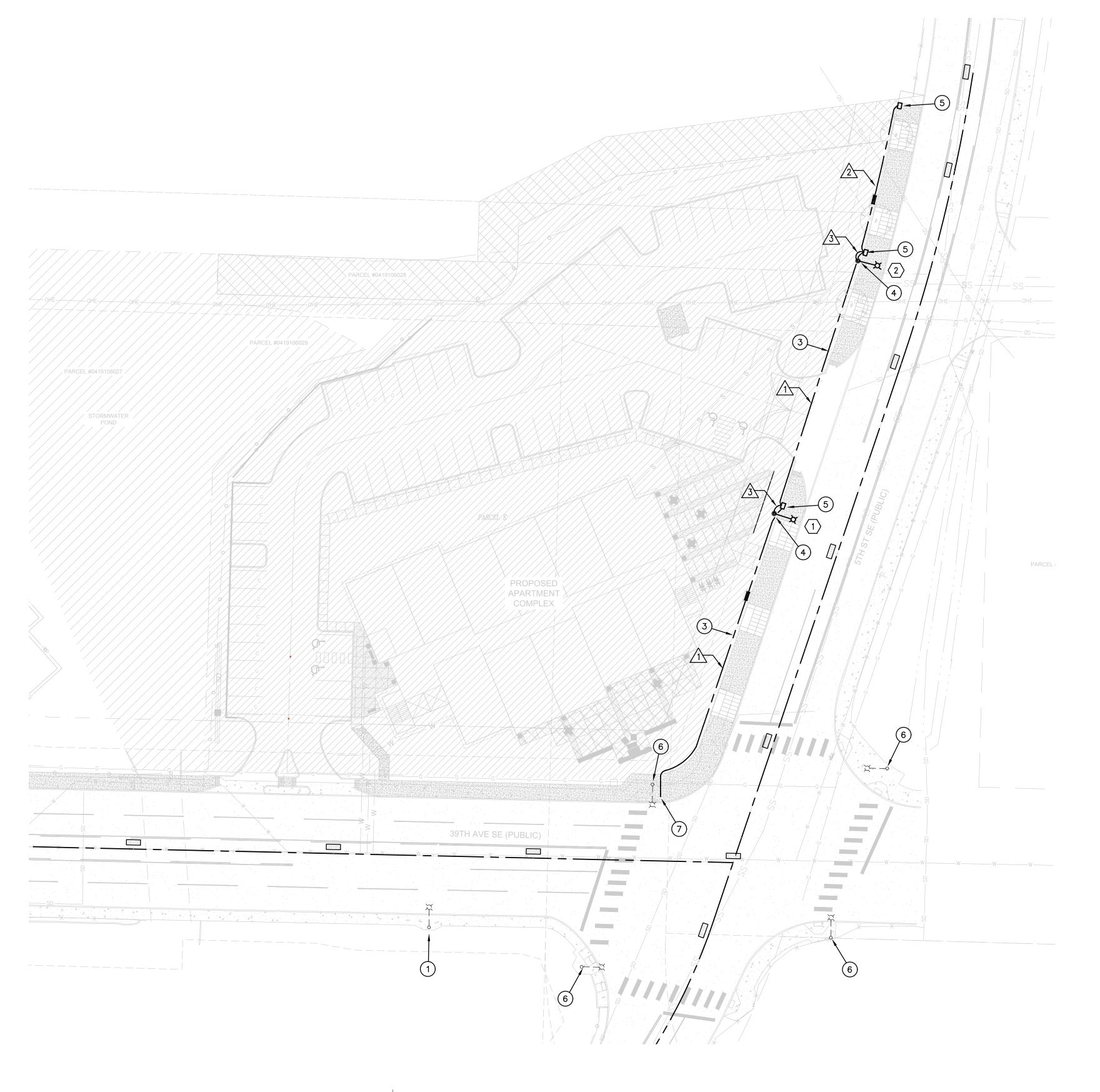
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CHECKED
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CLIENT JOB #
SHEET SCALE

1"=30'

SHEET NUMBER

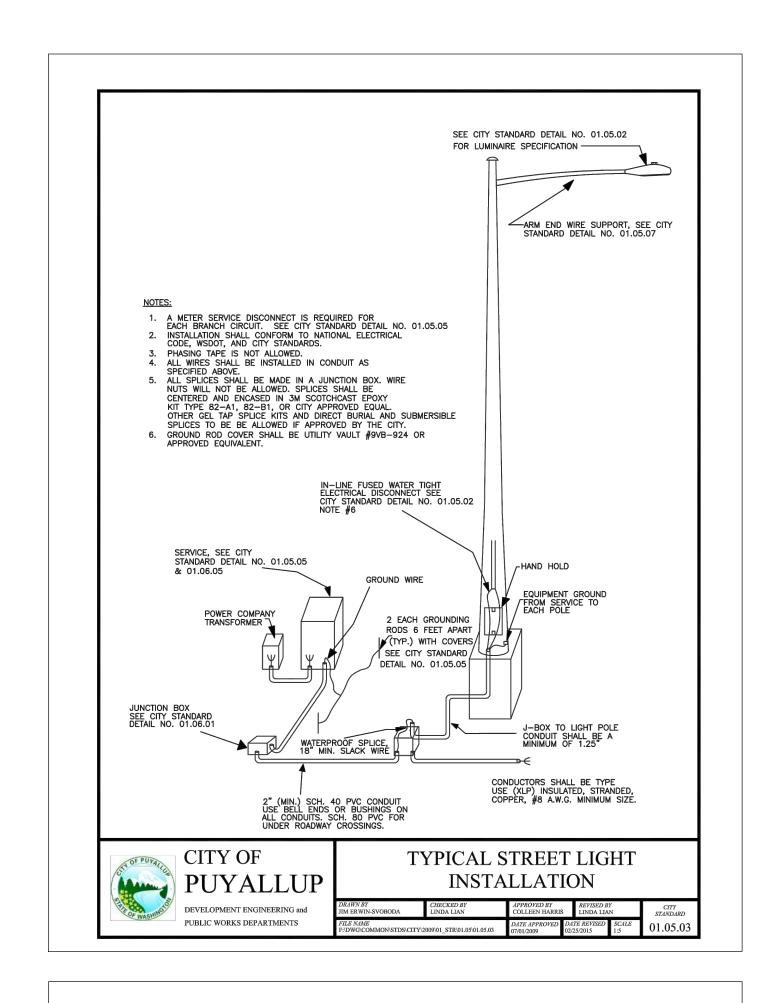
SHEET 2 OF 3

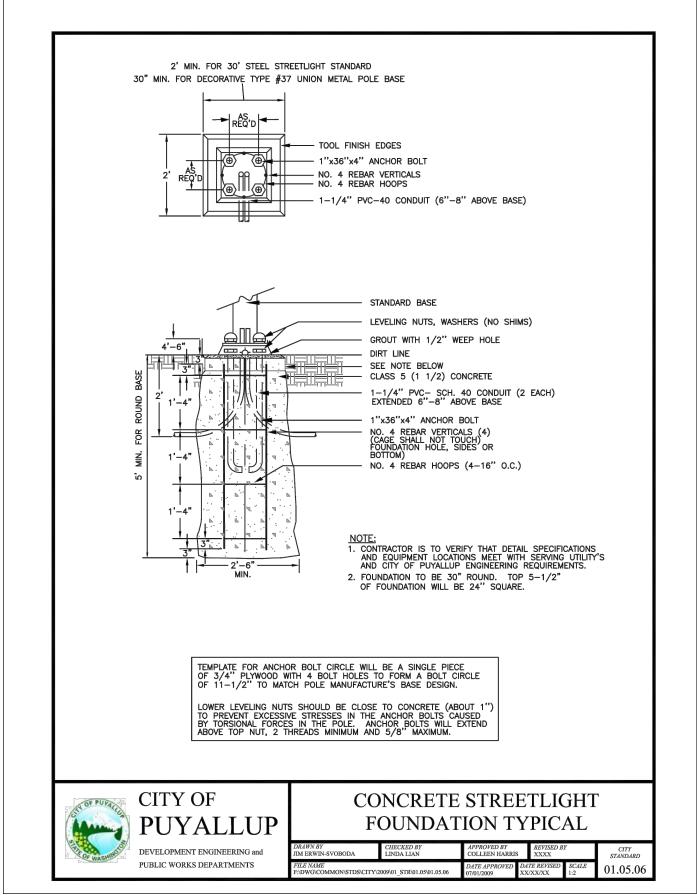
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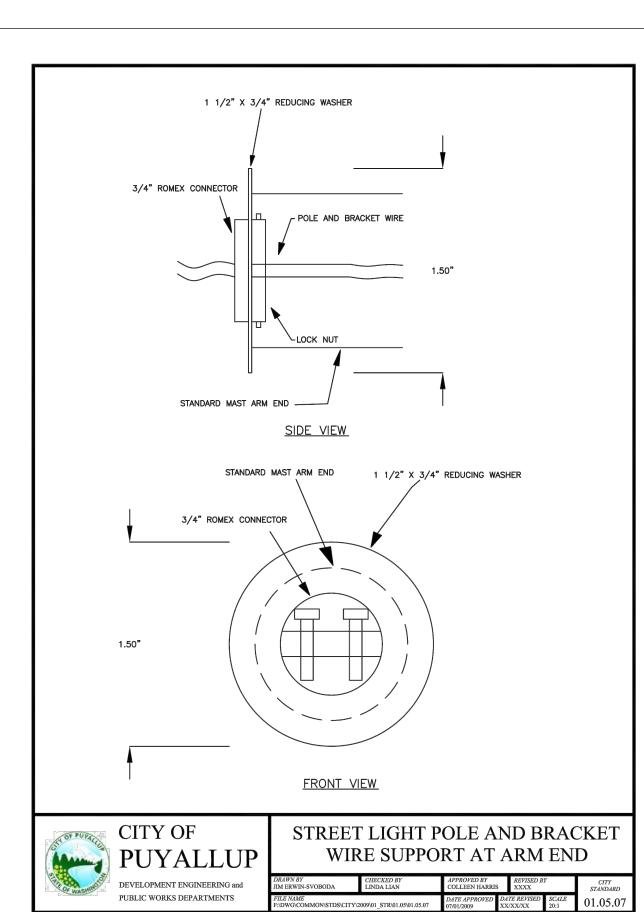


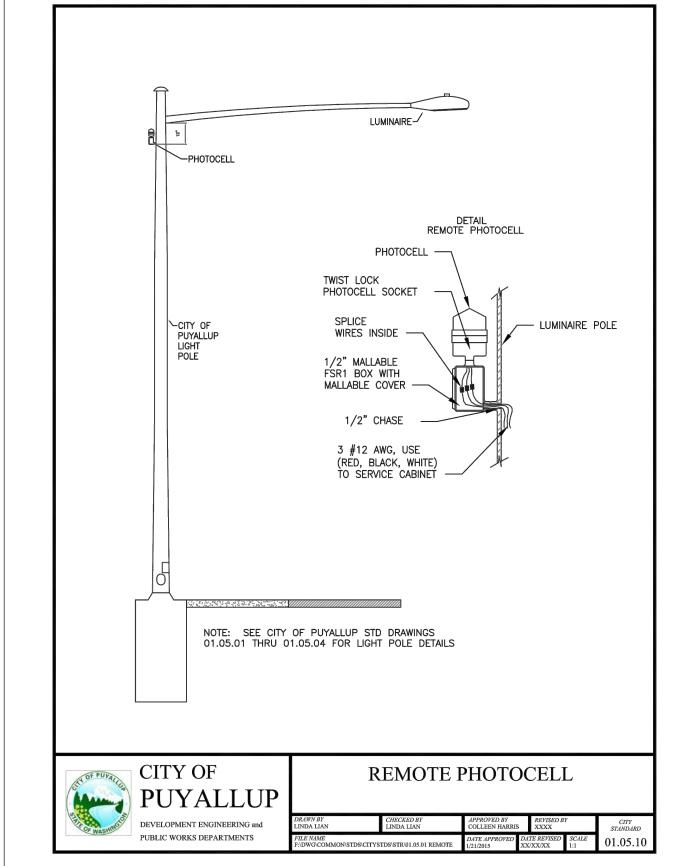
DOS LAGOS - LOT E STREET LIGHTING PLANS

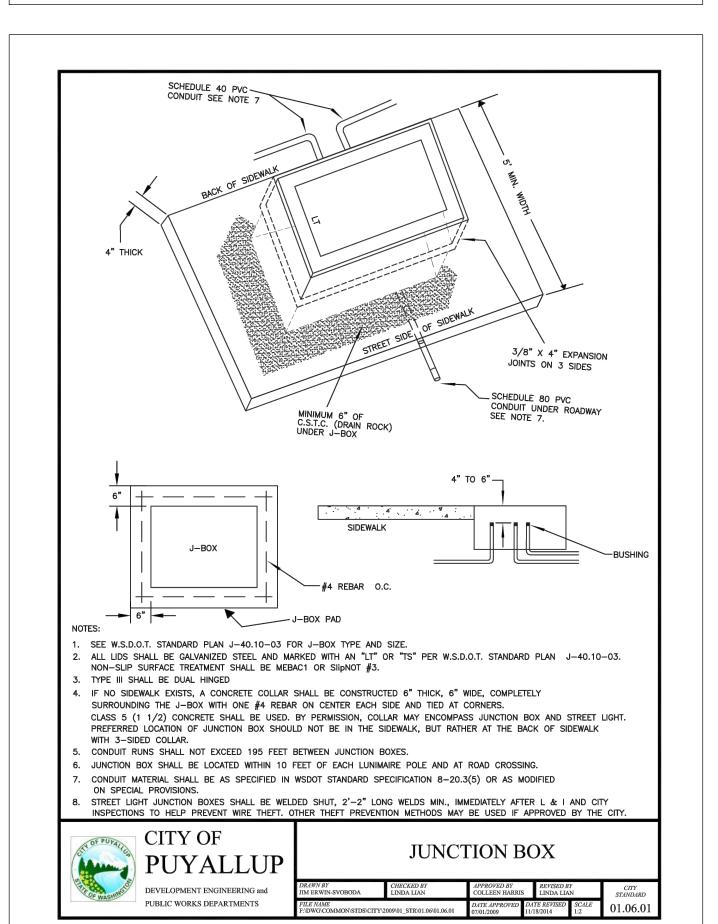
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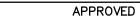












CITY OF PUYALLUP ENGINEERING DEPARTMENT

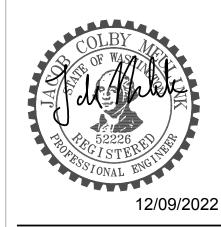
ENGINEERING SERVICES MANAGER.

ENGINEERS

2702 SOUTH 42ND STREET, SUITE 301 TACOMA, WA 98409-7315 Phone: 253.472.3300 www.treswest.com

TRES WEST

TRES WEST ENGINEERS, INC. NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS
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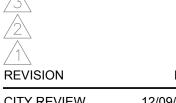
PROJECT TITLE

DOS LAGOS - LOT E

PROJECT ADDRESS 4202 5TH ST SE PUYALLUP, WA 98373

KEY PLAN





DATE CITY REVIEW 12/09/2022 ISSUED DATE SHEET TITLE

STREET LIGHTING **DETAILS**

DRAWN DPH CHECKED JCM TWE JOB# CLIENT JOB# SHEET SCALE NONE

SHEET NUMBER SL3.0

SHEET 3 OF 3

