

SITE PLAN  
SCALE: 1"=60'

EXISTING STREET LIGHT TABLE

SITE #	POLE					LUMINAIRE		WO #	BILLING SCH.	TOTAL CONN LOAD	NOTES
	GRID #	TAG #	TYPE	MTG HT.	ARM	WATTS	STYLE				
EL1	568743-157087	SLAF2282	EXIST STEEL	40'	10'	400W	HPS CHFL	105093295	52	120/240	
EL2	568750-157052	SLAF2283	EXIST STEEL	40'	10'	400W	HPS CHFL	105093295	52	120/240	
EL3	568744-157049	SLAL5880	EXIST WOOD	25'	8'	98W	LED CHFL	105093295	53	120/240	
EL4	568769-157050	SLAT4665	EXIST WOOD	25'	12'	98W	LED CHFL	105093295	53	120/240	
EL5	568795-157052	SLAT4666	EXIST WOOD	25'	12'	98W	LED CHFL	105093295	53	120/240	
EL6	568809-157052	SLAT4667	EXIST WOOD	25'	14'	98W	LED CHFL	105093295	53	120/240	
EL7	568960-157043	SLAP0463	EXIST WOOD	25'	6'	52W	LED CHFL	105093295	53	120/240	
EL8	568746-157043	SLAH1401	EXIST WOOD	25'	8'	138W	LED CHFL	105093295	53	120/240	

The existing lighting levels for Valley Ave E do not meet the city requirement for "Minor Arterial", Intermediate roadways of 0.8 Avg FC and 3:1 uniformity ratio.

The existing lighting levels for Washington St do not meet the city requirement for "Collector Arterial", Intermediate roadways of 0.6 Avg FC and 4:1 uniformity ratio.

Veiling Luminance cannot be measured here as the measurement requires a flat surface straightaway from measurement area as you approach the area from 300' away. Due to the curve in the roadway, PSE is unable to measure this like we would be able to on a typical highway.

Washington St E

Illuminance (Fc)  
Average = 0.67  
Maximum = 3.6  
Minimum = 0.0  
Avg/Min Ratio = N.A.

Valley Ave E

Illuminance (Fc)  
Average = 0.69  
Maximum = 3.3  
Minimum = 0.0  
Avg/Min Ratio = N.A.

Valley Ave E & Langdon St

Illuminance (Fc)  
Average = 0.61  
Maximum = 1.8  
Minimum = 0.1  
Avg/Min Ratio = 6.10

Valley Ave E & Washington St

Illuminance (Fc)  
Average = 2.75  
Maximum = 5.6  
Minimum = 0.7  
Avg/Min Ratio = 3.93

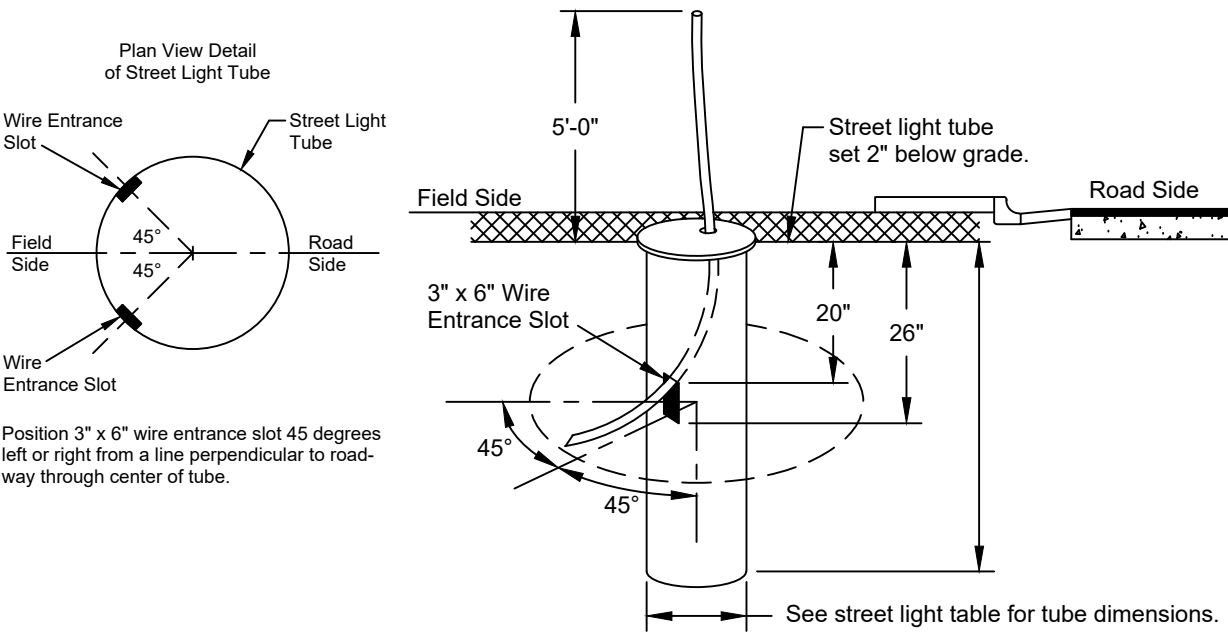
STREET LIGHT NOTES

POTELCO:

1. ALL STREET LIGHTING POLES ARE TO BE INSTALLED PER STANDARD 6375.4800 (page #2) IN THE "LINE WORK PRACTICES MANUAL".
2. ALL POLES (WOOD, CONCRETE OR FIBERGLASS) ARE TO BE SET PLUMB AND EMBEDDED TO THE GROUND LINE MARKED ON THE POLE.
3. BACKFILL AROUND POLE WITH 5/8" MINUS GRAVEL AND COMPACT IN 6" LIFTS. (PEA GRAVEL AND NATIVE SOILS ARE NOT ACCEPTABLE.) APPROXIMATELY 1 CU. YD. OF 5/8" MINUS CRUSHED ROCK WILL BE REQUIRED.
4. IN ALL SHOEBOX AND COBRAHEAD INSTALLATIONS, THE LUMINAIRE MUST BE LEVELED.

DEVELOPER/CUSTOMER:

1. THE DEVELOPER IS REQUIRED TO SUPPLY AND INSTALL PLASTIC (NON PAPER) STREET LIGHT TUBES (MINIMUM 18" DIAMETER) TO AID IN THE INSTALLATION OF THE STREET LIGHTING POLES.
2. DEVELOPER MUST SUPPLY DURABLE LID/COVER AT EACH STREET LIGHT TUBE.
3. DEVELOPER TO PROVIDE ALL TRENCHING AND CONDUIT WITH PULL-STRINGS FOR STREET LIGHTING CIRCUITRY.
4. CONDUIT SHALL BE SCH 40 PVC, CONDUIT CROSSING ROADWAYS OR DRIVEWAYS SHALL BE SCH 80 PVC.



STREET LIGHT TUBE DETAIL

SCALE: NONE

FOREMAN (CHECK BOX WHEN COMPLETED)

☐ PSE Equipment LOCKED/SECURED & Work Area left in CLEAN/SAFE Condition.  
☐ Grid, Cable, and Switch numbers INSTALLED & VERIFIED.  
☐ Field Changes RED-LINED on As-built.  
☐ Material VERIFIED and CHANGES noted on Paperwork.  
☐ Total PRIMARY Cable noted on As-built.  
☐ Company ID's RECORDED in correct location on As-built.  
☐ Indicate correct FUSE SIZE on As-built & VERIFY proper PHASE.  
☐ Correct QA Checklist(s) reviewed.  
☐ Deviations noted on the As-built and their reason.

☐ I certify that the work performed meets PSE's standards and procedures and that all quality requirements are met.

Foreman's Signature \_\_\_\_\_ Date \_\_\_\_\_

PROJECT PHASE	NOTIF#	ORDER#
PWR		
Superior		
New Install	508417543	105093295
St. Light		
Removal		
Temporary		
Job Order		
GAS		
Distribution		
HP Main		
HP Svc/MS		
CABLE TV		
PHONE		

Project Manager Contact Information:

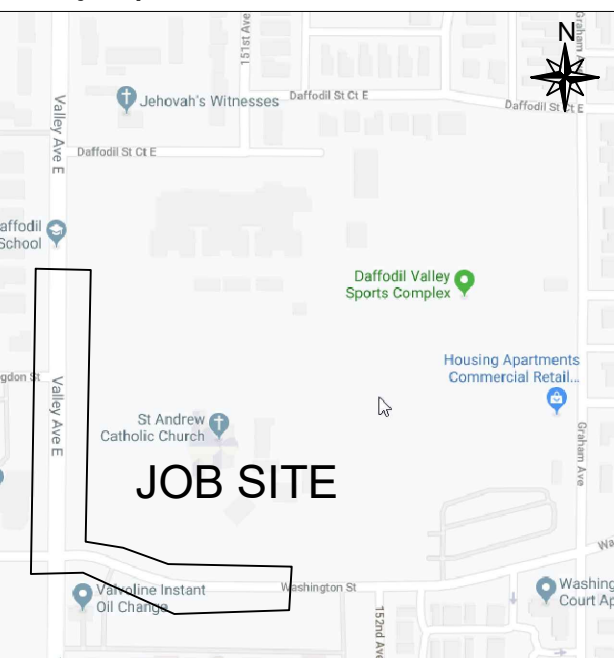
Mike Hammons  
425-765-1395 Cell Phone

Developer Yes No Yes No PSE  
"Locates Required" Yes No  
"Outages Required" Yes No  
"Flagging Required" Yes No

THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF EXISTING FACILITIES

X	NEW BUSINESS		CORRECTIVE / 10 DAY WAIVED	REAL ESTATE/EASEMENT N/A	PERMIT N/A		
3				FUNCTION	CONTACT	PHONE NO	DATE
2				ACCOUNT MGR	Lars Larson	425-456-2701	
1				ENGR - POWER	Andrew Allwardt	425-603-5904	12/12/19
REV#		BY	DESCRIPTION	ENGR - GAS			
COUNTY	Emet Sect	Gas Wk Ctr	POWER WK CTR 3515	DRAWN BY	Andrew Allwardt	425-603-5904	12/12/19
PIERCE				CHECKED BY			
1/4 SEC	OP MAP		PLAT MAP	APPROVED BY			
				FOREMAN #1			
U-MAP NO (POWER)	OH CKT MAP	UG CKT MAP	CIRCUIT NO	FOREMAN #2			
2004E096	2004E096	2004E096	GAR-15	MAPPING			
JOINT FACILITIES ARRANGEMENTS							
UTILITIES	N/A		N/A	N/A		N/A	
CONTACT	N/A		N/A	N/A		N/A	
PHONE#	N/A		N/A	N/A		N/A	
PSE PUGET SOUND ENERGY				ST ANDREWS CHURCH			
DESIGNED BY: PSE				EXISTING LIGHTS STREET LIGHT ANALYSIS			
				1401 VALLEY AVE E, SUMNER WA 98390			
				INCIDENT	MAOP		
				Gas Order	Elect Order		
				SCALE	PAGE		
				1"=60'	1 of 1		

Vicinity Map 47.205621, -122.229396



Owner / Developer Contact Info

ATTN: Seri Hamm 253-383-3257 cell

For contacts below dial 1-888-CALL PSE (225-5773)

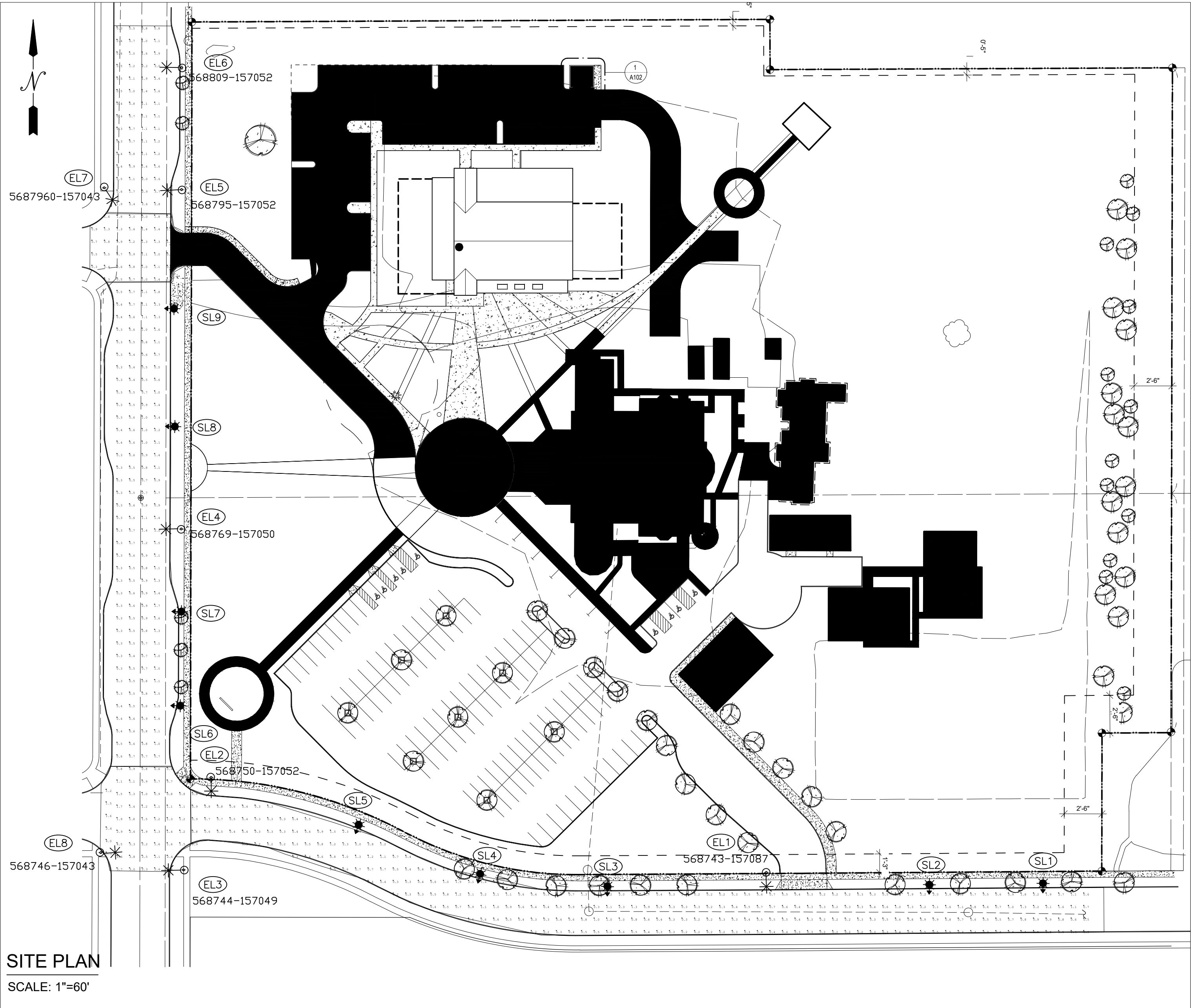
CALL (800) 424-5555  
2 BUSINESS DAYS BEFORE YOU DIG

EROSION & SEDIMENT CONTROL REQUIREMENTS

EROSION & SEDIMENT CONTROL SHALL BE PER PSE STANDARD PRACTICE 0150.3200 TECHNIQUES FOR TEMPORARY EROSION & SEDIMENT CONTROL & ANY ADDITIONAL LOCAL JURISDICTION REQUIREMENTS. (LOCAL JURISDICTIONS MAY HAVE ADDITIONAL REQUIREMENTS INCLUDING NOTES DETAILING WHERE EROSION OR SEDIMENT CONTROL STRUCTURES ARE TO BE INSTALLED, CROSS SECTION DETAILS OF THE TYPICAL EROSION STRUCTURES, & SPECIAL REQUIREMENTS FOR WORK IN SENSITIVE AREAS.)

105093295





EXISTING STREET LIGHT TABLE - CHANGEOUT

SITE #	POLE			LUMINAIRE				BILLING SCH.	WO #S	TOTAL CONN LOAD	NOTES
	GRID #	TAG #	TYPE	PREVIOUS LUMINAIRE	NEW LUMINAIRE	PREVIOUS ARM LENGTH	NEW ARM LENGTH				
EL1	568743 157087	SLAF2282	EXIST STEEL	400W HPS	39W LED	10'	--	51	101xxxxxx 108xxxxxx	120/240	
EL2	568750 157052	SLAF2283	EXIST STEEL	400W HPS	39W LED	10'	--	51	101xxxxxx 108xxxxxx	120/240	
EL3	568744 157049	SLAL5880	EXIST WOOD	98W LED	71W LED	8'	--	53	101xxxxxx 108xxxxxx	120/240	
EL4	568769 157050	SLAT4665	EXIST WOOD	98W LED	39W LED	12'	--	53	101xxxxxx 108xxxxxx	120/240	
EL5	568795 157052	SLAT4666	EXIST WOOD	98W LED	71W LED	12'	--	53	101xxxxxx 108xxxxxx	120/240	
EL6	568809 157052	SLAT4667	EXIST WOOD	98W LED	71W LED	14'	--	53	101xxxxxx 108xxxxxx	120/240	
EL7	568960 157043	SLAP0463	EXIST WOOD	52W LED	47W LED T3	6'	16'	53	101xxxxxx 108xxxxxx	120/240	NEW ARM LENGHT
EL8	568746 157043	SLAH1401	EXIST WOOD	138W LED	111W LED	8'	--	53	101xxxxxx 108xxxxxx	120/240	

STREET LIGHT TABLE - NEW INSTALL

SITE #	POLE			MTG HT.	ARM	LUMINAIRE		WO #	BILLING SCH.	TOTAL CONN LOAD	NOTES
	GRID #	TAG #	TYPE			WATTS	STYLE				
SL1	568xxx 157xxx		GRN WHATLEY ALLENTOWN SERIES 406	15'	--	60W	LED K118 GREEN	105093295	51	120/240	
SL2	568xxx 157xxx		GRN WHATLEY ALLENTOWN SERIES 406	15'	--	60W	LED K118 GREEN	105093295	51	120/240	
SL3	568xxx 157xxx		GRN WHATLEY ALLENTOWN SERIES 406	15'	--	60W	LED K118 GREEN	105093295	51	120/240	
SL4	568xxx 157xxx		GRN WHATLEY ALLENTOWN SERIES 406	15'	--	60W	LED K118 GREEN	105093295	51	120/240	
SL5	568xxx 157xxx		GRN WHATLEY ALLENTOWN SERIES 406	15'	--	60W	LED K118 GREEN	105093295	51	120/240	
SL6	568xxx 157xxx		GRN WHATLEY ALLENTOWN SERIES 406	15'	--	60W	LED K118 GREEN	105093295	51	120/240	
SL7	568xxx 157xxx		GRN WHATLEY ALLENTOWN SERIES 406	15'	--	60W	LED K118 GREEN	105093295	51	120/240	
SL8	568xxx 157xxx		GRN WHATLEY ALLENTOWN SERIES 406	15'	--	60W	LED K118 GREEN	105093295	51	120/240	
SL9	568xxx 157xxx		GRN WHATLEY ALLENTOWN SERIES 406	15'	--	60W	LED K118 GREEN	105093295	51	120/240	

EROSION & SEDIMENT CONTROL REQUIREMENTS

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Washingt St E

Illuminance (Fc)  
Average = 0.71  
Maximum = 2.8  
Minimum = 0.2  
Avg/Min Ratio = 3.55

Valley Ave E

Illuminance (Fc)  
Average = 0.90  
Maximum = 3.7  
Minimum = 0.3  
Avg/Min Ratio = 3.00

Valley Ave E & Langdon St

Illuminance (Fc)  
Average = 1.02  
Maximum = 2.0  
Minimum = 0.3  
Avg/Min Ratio = 3.40

Valley Ave E & Washingt St E

Illuminance (Fc)  
Average = 1.84  
Maximum = 5.5  
Minimum = 0.6  
Avg/Min Ratio = 3.07

DEVELOPER NOTES:

- PROVIDE ALL TRENCHING, CONDUIT W/PULLSTRINGS, AND 4'X18" SONOTUBES AT SL LOCATIONS.
- STUB UP CONDUIT AT HANDHOLE & STREET LIGHT LOCATIONS.

POTELCO NOTES:

- SL1-SL9:
- INSTALL 15' MH GREEN WHATLEY ALLENTOWN SERIES 406 POLES WITH 60W LED GREEN KING K118 POST TOP LUMINARIES.
- INSTALL STREET LIGHT TAGS

EL1-EL6, EL8:

- REMOVE EXISTING LUMINARIES FROM EXISTING ARMS.
- INSTALL NEW LUMINARIES AS NOTED IN CHANGEOUT STREET LIGHT TABLE

EL7:

- REMOVE LUMINAIRE & ARM
- INSTALL 16FT ARM & 47W LED T3 CHFL.
- ORIENT AT PREVIOUS HEIGHT & ORIENTATION.

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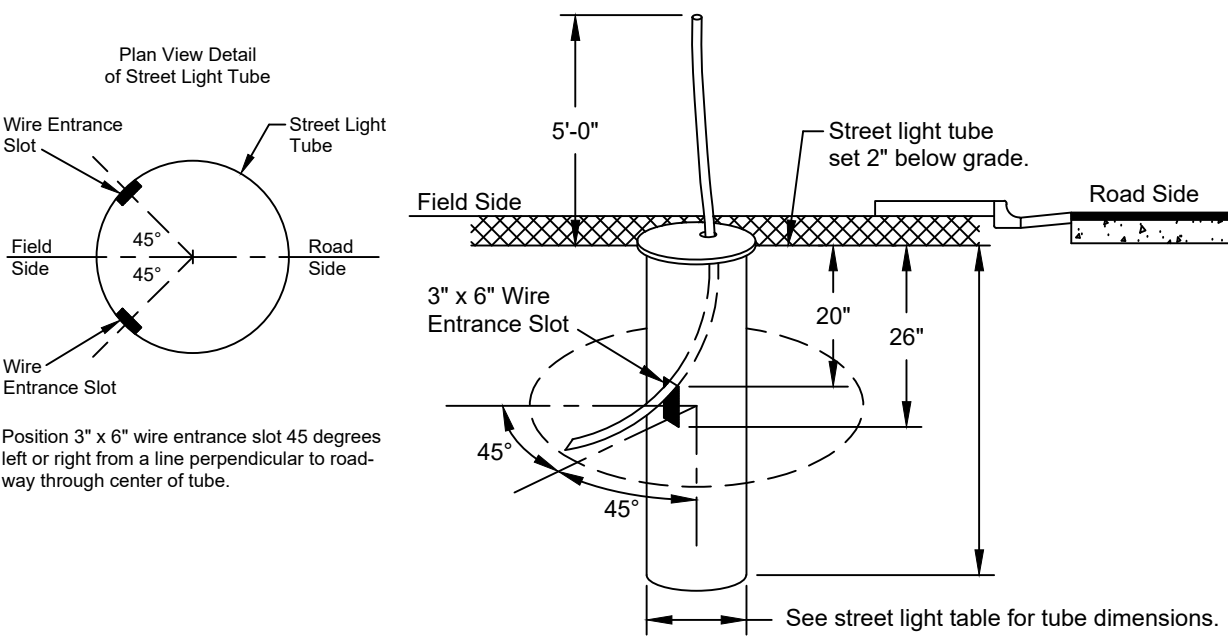
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4. CONDUIT SHALL BE SCH 40 PVC, CONDUIT CROSSING ROADWAYS OR DRIVEWAYS SHALL BE SCH 80 PVC.



STREET LIGHT TUBE DETAIL

SCALE: NONE

FOREMAN (CHECK BOX WHEN COMPLETED)

☐ PSE Equipment LOCKED/SECURED & Work Area left in CLEAN/SAFE Condition.

☐ Grid, Cable, and Switch numbers INSTALLED & VERIFIED.

☐ Field Changes REDLINED on As-built.

☐ Material VERIFIED and CHANGES noted on Paperwork.

☐ Total PRIMARY Cable noted on As-built.

☐ Company IDP's RECORDED in correct location on As-built.

☐ Indicate correct FUSE SIZE on As-built & VERIFY proper PHASE.

☐ Correct QA Checklist(s) reviewed.

☐ Deviations noted on the As-built and their reason.

☐ I certify that the work performed meets PSE's standards and procedures and that all quality requirements are met.

Foreman's Signature \_\_\_\_\_

Print Name \_\_\_\_\_ Date \_\_\_\_\_

PROJECT PHASE	NOTIF#	ORDER#
PWR		
Superior		
New Install	508417543	105093295
St. Light		
Removal		
Temporary		
Job Order		
GAS		
Distribution		
HP Main		
HP Svc/MS		
CABLE TV		
PHONE		

Project Manager Contact Information:

Mike Hammons  
425-765-1395 Cell Phone

	Developer	Yes	No	Yes	No	PSE
"Locates Required"		No	No	No	No	
"Outages Required"		Yes	No	No	No	
"Flagging Required"		Yes	No	No	No	

THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF EXISTING FACILITIES

X	NEW BUSINESS		CORRECTIVE / 10 DAY WAIVED	REAL ESTATE/EASEMENT	PERMIT
3				N/A	N/A
2				FUNCTION	CONTACT
1				ACCOUNT MGR	PHONE NO
REV#	BY	DESCRIPTION		ENGR - POWER	DATE
COUNTY	Emr Sect	Gas Wk Ctr	POWER WK CTR	Andrew Allwardt	12/12/19
PIERCE			3515	DRAWN BY	425-603-5904
1/4 SEC	OP MAP		PLAT MAP	CHECKED BY	12/12/19
				APPROVED BY	
				FOREMAN #1	
U-MAP NO (POWER)	OH CKT MAP	UG CKT MAP	CIRCUIT NO	FOREMAN #2	
2004E096	2004E096	2004E096	GAR-15	MAPPING	
JOINT FACILITIES ARRANGEMENTS					
UTILITIES	N/A	N/A	N/A	N/A	N/A
CONTACT	N/A	N/A	N/A	N/A	N/A
PHONE#	N/A	N/A	N/A	N/A	N/A
PSE PUGET SOUND ENERGY				INCIDENT	MAOP
ST ANDREWS CHURCH				Gas Order	Elect Order
EXISTING LIGHTS STREET LIGHT ANALYSIS				105093295	
1401 VALLEY AVE E, SUMNER WA 98390				SCALE	PAGE
DESIGNED BY: PSE				1"=60"	1 of 1