

4" THICK CONCRETE PAD EXTENDING A MINIMUM OF 6" BEYOND THE JUNCTION BOX AND FOUNDATION, ALL SIDES

BEHIND SIDEWALK, IN PLANTER JUNCTION BOX OPTION (PREFERRED OPTION)

STREET LIGHT STANDARD WILL BE LOCATED USING THE OFFSET DISTANCES SHOWN ON THE STREET LIGHTING PLANS. SEE STANDARD PLANS 6-87 AND 6-89 FOR STREET LIGHT FOUNDATION DETAILS

IN SIDEWALK JUNCTION BOX OPTION, SEE NOTE 2

NOTES:

1. SPLICES AND TAPS SHALL BE MADE WITH SOLDERLESS UNINSULATED CRIMP CONNECTORS TO SECURELY JOIN WIRES BOTH MECHANICALLY AND ELECTRICALLY. THEY SHALL EMPLOY THE FOLLOWING MOISTURE BLOCKING INSULATION: SCOTCH 2210 VINYL MASTIC, FOLLOWED BY AN OVER WRAP WITH A MINIMUM OF TWO HALF-LAPPED LAYERS OF SCOTCH VINYL ELECTRIC TAPE SUPER 88 AND A FINAL LAYER OF CONSISTENTLY APPLIED SCOTCHKOTE 054007-14853 ELECTRICAL COATING.

2. JUNCTION BOXES PLACED WITHIN SIDEWALKS SHALL CONTAIN A SLIP RESISTANT SURFACE. REFERENCE KENT STANDARD PLANS 6-89a AND 6-89b. THE BOX SHALL BE COMPLETELY SURROUNDED OR ENCASED IN A MINIMUM 6 INCHES OF 4 INCH THICK CONCRETE AND THE LID SHALL BE TACK WELDED AT TWO POINTS FOR SECURITY.

JUNCTION BOX, SEE KENT STANDARD PLANS 6-89 - 6-93, GROUND LID TO BOX WITH #6 GROUND WIRE

3M MOISTURE SEALANT TAPE (SEE NOTE 1) AND BUTT SPLICE CONNECTOR PART YC4C6

#6 OR #8 BARE GROUND WIRE

BURNDY CONNECTOR YC4C8 OR APPROVED EQUAL YC4C6, YC8C8 AS NEEDED

WATERPROOF IN-LINE FUSE QUICK DISCONNECTS WSDOT STD. SPECS. 9-29.7(2) FNM 5 AMP FUSE OR APPROVED EQUAL

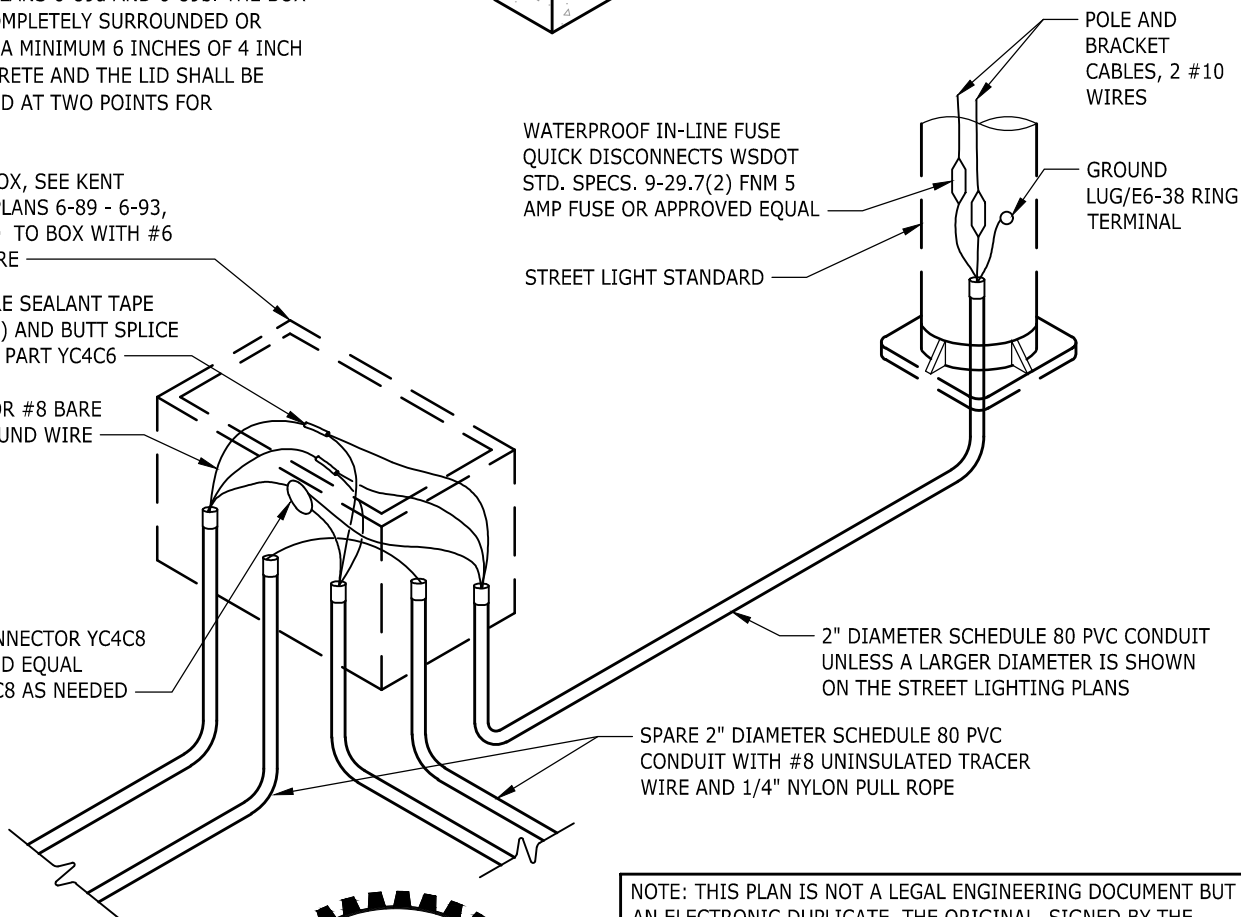
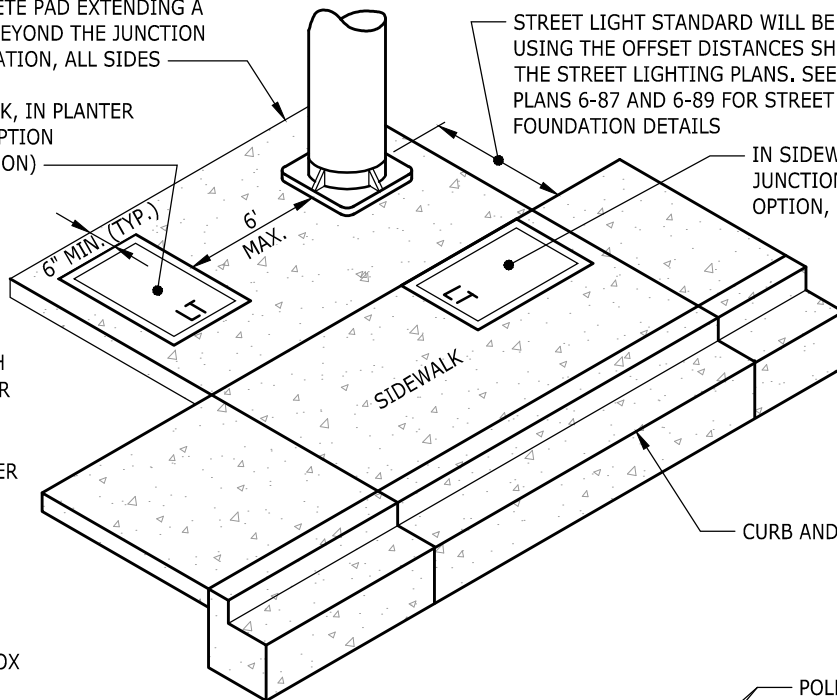
POLE AND BRACKET CABLES, 2 #10 WIRES

GROUND LUG/E6-38 RING TERMINAL

STREET LIGHT STANDARD

2" DIAMETER SCHEDULE 80 PVC CONDUIT UNLESS A LARGER DIAMETER IS SHOWN ON THE STREET LIGHTING PLANS

SPARE 2" DIAMETER SCHEDULE 80 PVC CONDUIT WITH #8 UNINSULATED TRACER WIRE AND 1/4" NYLON PULL ROPE



INSTALL A THREE WIRE 240 VOLT SYSTEM. GROUND OR NEUTRAL WILL START AT THE PUGET SOUND ENERGY SERVICE POINT



NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION IS KEPT ON FILE AT THE CITY OF KENT. A COPY MAY BE OBTAINED UPON REQUEST.

		CITY OF KENT ENGINEERING DEPARTMENT	
		JUNCTION BOX AND STREET LIGHT WIRE RUNS	
DESIGNED <u>COK</u>	SCALE <u>NONE</u>	STANDARD PLAN	
DRAWN <u>COK</u>	DATE <u>12/2019</u>	6-90	
CHECKED <u>COK</u>	ENGINEER		
APPROVED _____			