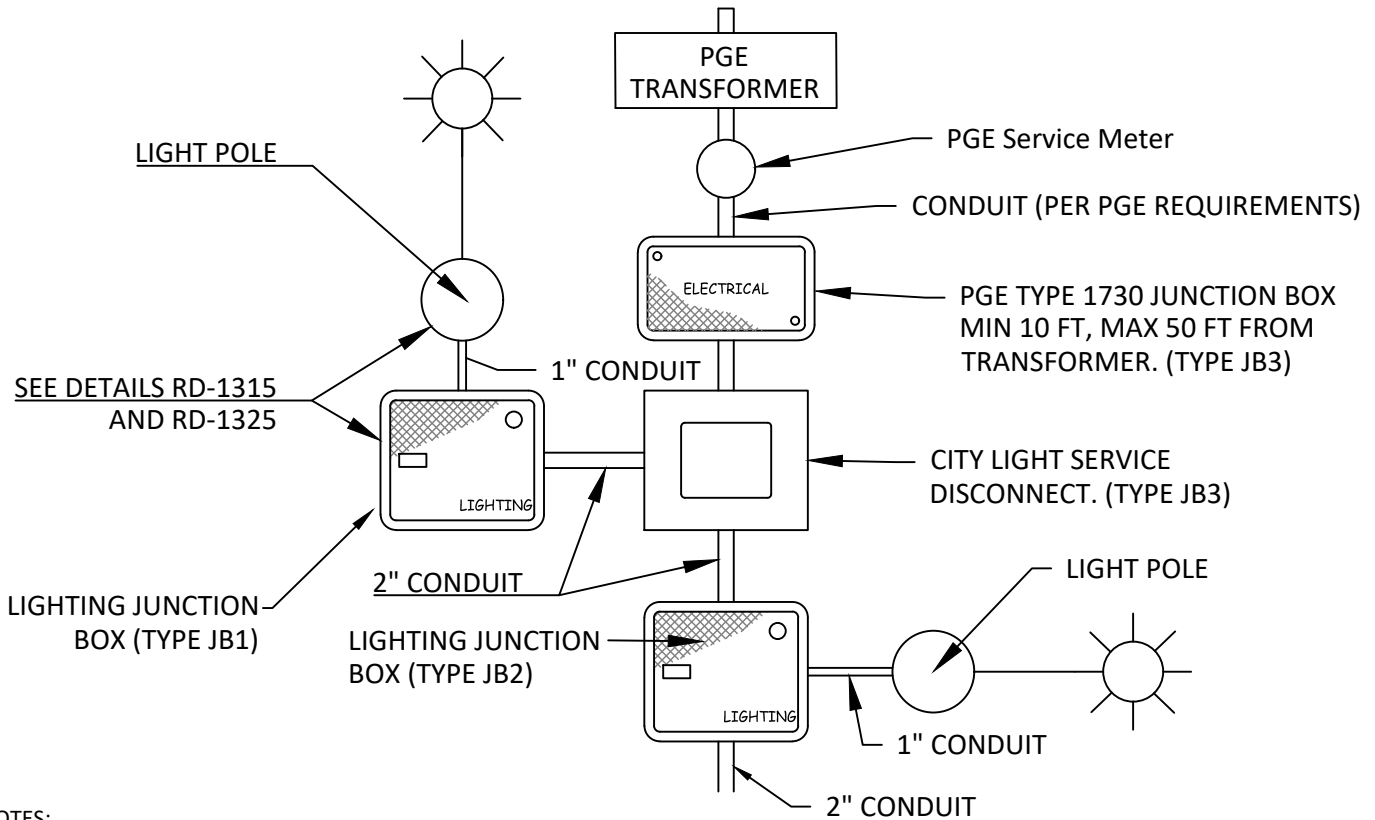


This Detail Drawing may not be altered or changed in any manner except by the City Engineer. It is the responsibility of the user to acquire the most current version.



NOTES:

1. WIRE FOR USE WITHIN CONDUIT AND LIGHT POLE STRUCTURES SHALL BE #10 AWG, 3-CONDUCTOR, 600-VOLT, 7-STRAND (CLASS B), TYPE TC-ER COPPER WIRE. CONDUCTOR SHALL BE UPSIZED IF VOLTAGE DROP IS EQUAL TO OR GREATER THAN 3 PERCENT.
2. WIRE INSULATION SHALL BE 30-MIL XHHW-2, RATED 90°C DRY AND WET, COLORED BLACK, RED, AND GREEN PER NEMA WC-7 FOR NEC APPLICATIONS. USE FILLERS OR CLEAR, NON-SHIELDED BINDING TAPE TO PRODUCE ROUND OUTER JACKET.
3. WIRE JACKET SHALL BE 45-MIL XHHW-2, BLACK, RATED 90°C DRY AND WET, 600-VOLT, VW-1, SUNLIGHT-RESISTANT, AND SUITABLE FOR DIRECT BURY APPLICATIONS. 1,000-FOOT NR REELS. JACKET TO DISPLAY SEQUENTIAL FOOTAGE MARKINGS. TWO REQUIRED REEL LABELS: (1) TO OUTSIDE FLANGE SURFACE, AND (2) TO THE DRUM WRAPPING. EACH LABEL SHALL DETAIL THE TOTAL FOOTAGE; INSIDE OR STARTING FOOTAGE.
4. ALL EMPTY CONDUITS MUST HAVE A #14 LOCATE WIRE AND A NONCONDUCTIVE PULL LINE, 500 POUND RATED, WITH 6 FEET OF LINE EXTENDING FROM EACH END OF THE CONDUIT.
5. INSTALL ELECTRICAL GRADE SCHEDULE 40 GRAY PVC CONDUIT WITH FIBERGLASS BENDS. ALL PVC JOINTS SHALL BE GLUED. ALL FACTORY OR FIELD CUT CONDUITS SHALL BE CHAMFERED TO PREVENT DAMAGE TO CABLES. A WOODEN, PLASTIC, OR HARD RUBBER MANDREL CONFIGURED FOR THE CONDUIT INSIDE DIAMETER SHALL BE PULLED THROUGH TO TEST FOR OBSTRUCTIONS AND OUT-OF-ROUND CONDUIT.
6. MAINTAIN 12 VERTICAL INCHES AND 24 HORIZONTAL INCHES CLEARANCE BETWEEN GAS AND OTHER UTILITIES.
7. ALL ELBOWS TO BE 36 INCH RADIUS. ALL BENDS MUST BE FACTORY MADE.
8. DIRECTIONAL BORING REQUIREMENTS: BLACK HDPE (HIGH DENSITY POLYETHYLENE) DUCT OR SCHEDULE 40 PVC WITH A MECHANICAL CONNECTION (CERTA-LOK OR LIKE MECHANICAL CONNECTION PRODUCT) PROJECT EXTRUDED RED STRIPES (WHICH IS A SPECIFICATION REQUIREMENT). MANDREL TEST OF HDPE PIPE IS REQUIRED AFTER INSTALLATION WITH CITY INSPECTOR PRESENT.
- 6 TRENCH AND ELBOW CONFIGURATIONS, ALL CONDUIT, JUNCTION BOX AND PAD INSTALLATIONS MUST BE INSPECTED PRIOR TO BACKFILLING.

Shared-Use Path Lighting – Electrical Disconnect

DRAWING NO:	RD-1330	DRAFTED BY:	S. SHORTES	REV	DATE	APPR
FILE NAME:	RD-1330.DWG	APPROVED BY:	Z. WEIGEL	1	06/21	ZJW
SCALE:	NTS	EFFECTIVE DATE:	6/10/2021			

CITY OF
WILSONVILLE
OREGON

PUBLIC WORKS STANDARDS

