STREET LIGHT CONSTRUCTION
GENERAL NOTES

1. All workmanship, materials and testing shall be in accordance with WSDOT/APWA, NEC and City of Centralia Design and Development Guidelines and Centralia Street light Construction guidelines unless otherwise specified below. In cases of conflict the most stringent guideline shall apply.

2. A right–of–way permit, electrical permits and inspections are required for all street lighting installations within the City of Centralia. The contractor is responsible for obtaining said permits prior to any type of actual construction. The right–of–way permit is available at the Engineering Department, 1100 N Tower Ave, Centralia. An application for the electrical permit can be obtained from Centralia City Light, 1100 N Tower Ave, Centralia.

3. A clearly marked service disconnect shall be provided for every lighting circuit. The location and installation of the disconnect shall conform to National Electric Code (NEC) and City of Centralia Standards. The photo cell window shall face north unless otherwise directed by the City. The service disconnect shall not be mounted on the luminaire pole. The service disconnect shall be of a type equal to a Myers MEUG16–UM–100–31 or Milbank CP3B11110A22SL1 service, 120/240 VAC, 1ϕ 3W, Caltrans Type 3B with conductors, photo electric cell and test switch. Place one spare $1\frac{1}{4}$" conduit stub–out in service base 1 foot beyond concrete for future expansion. All service disconnects shall be used to their fullest capabilities (i.e. maximum number of luminaires per circuit). See Centralia Standard drawing 7–02.

4. All lighting wire shall be copper with a minimum size of #8 UF. All wire shall be suitable for wet locations. All wire shall be installed in schedule 40 PVC conduit with a minimum diameter of $1\frac{1}{4}$". A bushing or bell–end shall be used at the end of a conduit that terminate at a junction box or luminaire pole. Conductor identification shall be an integral part of installation of the conductors throughout the system (i.e. color–coded wire). Equipment grounding conductor shall be #8 UF copper. All splices or taps shall be made by approved methods utilizing epoxy kits rated at 600 volts (i.e. 3–M 82–A2). All splices shall be made with pressure type connectors. Wire nuts will not be allowed. Direct burial wire will not be allowed. All other installation shall conform to NEC, WSDOT/APWA and MUTCD standards.

5. Each luminaire pole shall have an in–line, fused, watertight electrical disconnect located at the base of the pole. The hand–hole shall be facing away from oncoming traffic. Additional conductor Length shall be left inside the pole at the handhole, pull box, or junction box, equal to a loop having a diameter of 18 inches. Load side of in–line fuse to luminaire head shall be cable and pole mounted and placed within the above mentioned 18 inch loop by approved means. The CREE XSPLG LUMINAIRE (Order No. XSPLG D HT 2ME 18L 40K7 UL SV X4) must be used in all installations.

6. Approved pull boxes or junction boxes shall be installed when conduit runs are more than 200 feet. In addition, a pull box or junction box shall be located within 10 feet of each luminaire pole and at every road crossing. Boxes shall be clearly and indelibly marked as lighting boxes by the legend "Lighting" or "L.T.". See WSDOT standard plan J–40.10–04 and Centralia Standard Drawing 7–01.

7. All street light poles shall be spaced at 125 foot intervals and staggered. Any variation from the 125 ft. spacing to accommodate a specific installation must be approved by the City Engineer. All poles shall be HAPCO 25' Round Tapered Aluminum Pole with 8' Singe Davit Arm. In existing developed areas, the City may approve/require use of other poles to maintain consistency within the developed area.

8. Mounting heights, arm length, power source, luminaire, and bolt patterns shall be as follows:

Mounting height:	25' 0" (To top back of sidewalk)
Arm length:	8'
Power source:	240 VAC, 1ϕ 3 wire
Luminaire type:	The CREE XSPLG Luminaire (See Centralia Standard drawing 7–01)
Bolt pattern:	4 Bolt, 10"–11" Diameter Bolt Circle

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STREET LIGHT CONSTRUCTION
GENERAL NOTES

9. Cement concrete bases are shown in Centralia Standard Drawing 7–01. Conduit shall extend between 3 and 6 inches above the concrete base.

10. Refer to Centralia Standard Drawings 7–01, 7–02, and 7–03 for typical street light installation layout.

11. Any modification to approved plans made by the licensed engineer and so stamped, shall be reviewed and approved by the City prior to installation.

12. For connection to a pole mounted transformer the following must be provided: 35' of wire from the base of the pole, three sections of schedule 80 conduit and three standoff brackets.

13. Street light foundations will be formed with 36" Dia. Sonotube.

*** NOTE: When ordering from Lexington, specify that the order is for the City of Centralia.**

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