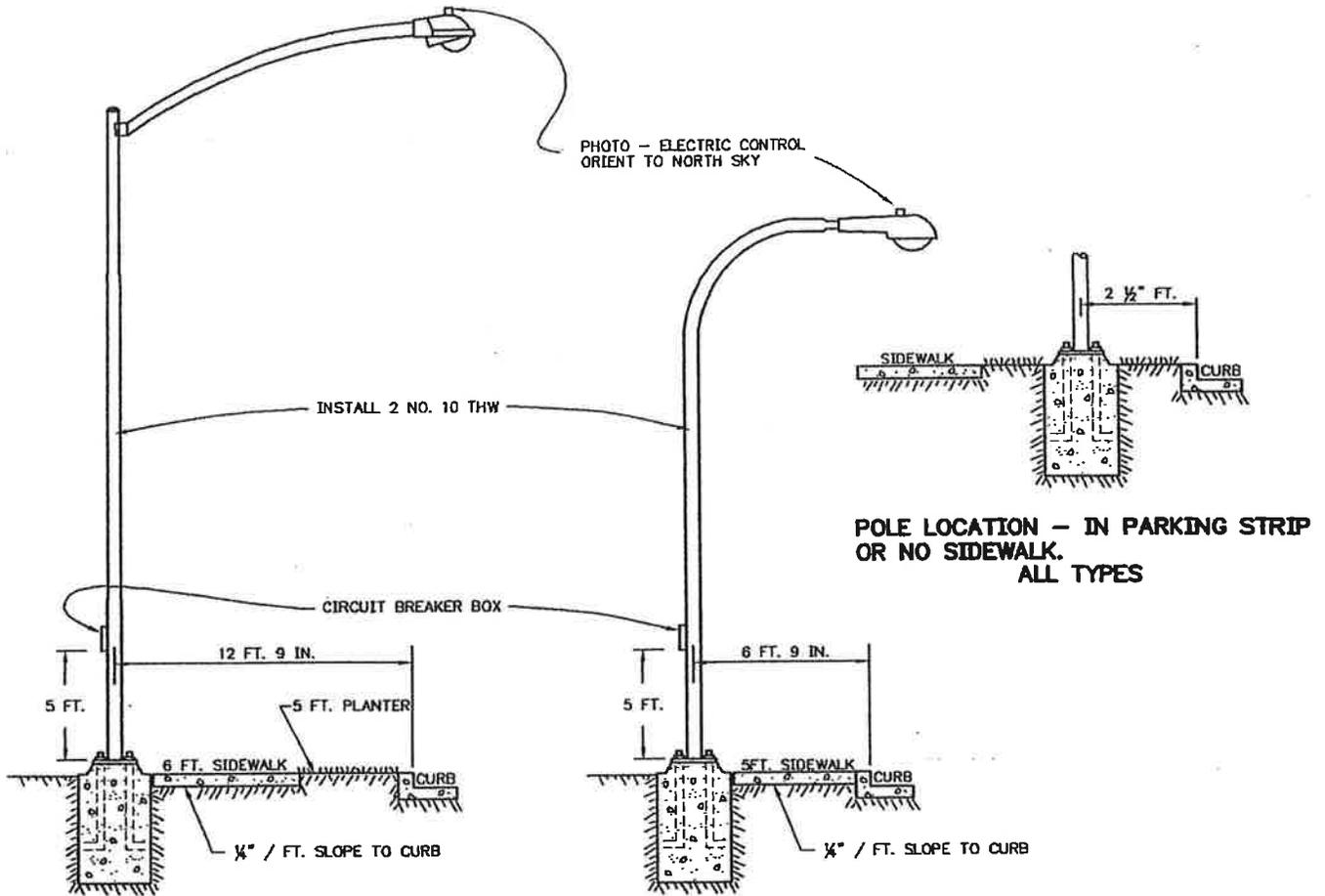
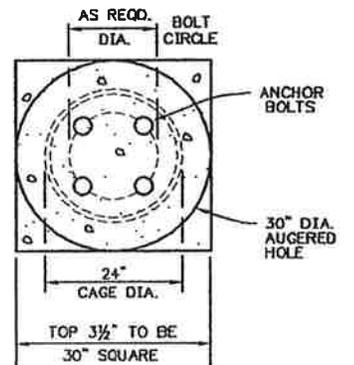
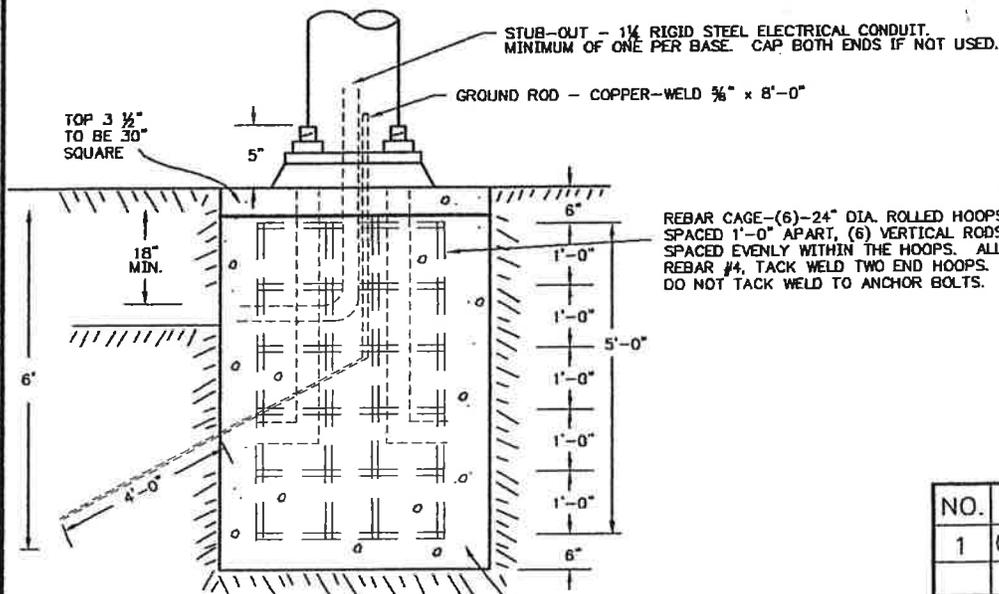


LIGHT DETAILS



POLE LOCATION - BEHIND SIDEWALK TYPES A and B

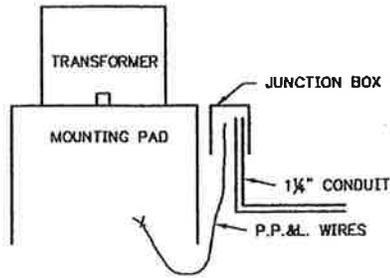
POLE LOCATION - BEHIND SIDEWALK TYPES C and D



PORTLAND CEMENT CONCRETE, MIN. YIELD 3300 P.S.I. AT 28 DAYS, SLUMP 3 1/2" TO 5" POUR TO UNDISTURBED SOIL IF POSSIBLE. IF POURED TO FORMS, COMPACTION OF BACKFILL TO 95% IS REQUIRED.

POLE FOOTING DETAIL TYPES A and B

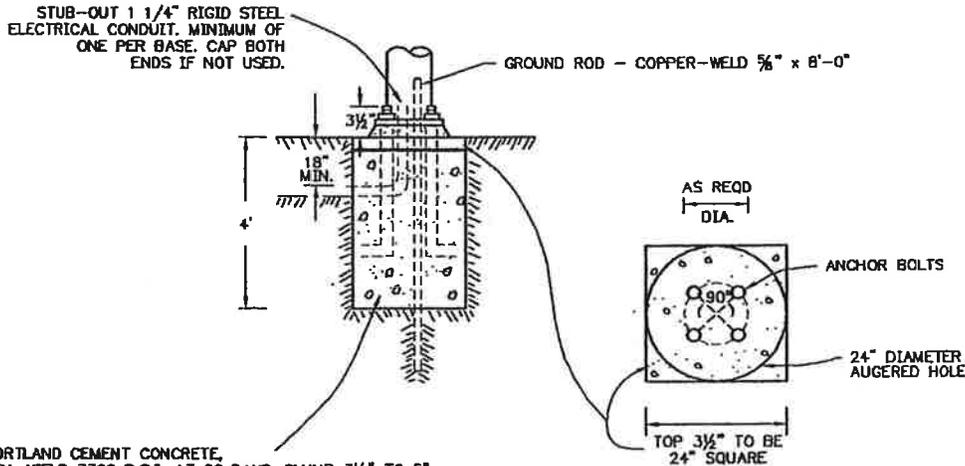
NO.	DATE	INITIAL	REVISIONS
1	07/05	BWD	REMOVED GROUT REQ.
DESIGN:	DRAWN:	APPROVED: 2001	
CITY OF EAGLE POINT ENGINEERING DEPT.			
STREET LIGHT DETAIL			
SCALE: NONE		DWG. NO. EP-500	



NOTES:

TERMINATE CONDUIT AT EITHER SIDE OF TRANSFORMER. SET JUNCTION BOX TO GRADE AS CLOSE AS PRACTICAL TO TRANSFORMER PAD. WHEN JUNCTION BOX IS SET TO GRADE, THERE SHALL BE A MINIMUM OF 3" BETWEEN CONDUIT STUB AND TOP OF JUNCTION BOX. BRING P.P.&L. SUPPLIED STREET LIGHT WIRES INTO BOX.

CONDUIT TERMINATION AT TRANSFORMER



PORTLAND CEMENT CONCRETE, MIN. YIELD 3300 P.S.I. AT 28 DAYS, SLUMP 3 1/2" TO 5" POUR TO UNDISTURBED SOIL IF POSSIBLE. IF POURED TO FORMS, COMPACTION OF BACKFILL TO 95% IS REQUIRED.

**POLE FOOTING DETAIL
TYPES C and D**

NOTES:

TYPES A and B

INSTALL NO.8 THW STRANDED COPPER WIRE IN 1 1/4" RIGID CONDUIT FROM LIGHT POLE BASE TO PP&L TRANSFORMER. (LARGER WIRE and/or CONDUIT MAY BE SPECIFIED ON PLANS)

TYPES C and D

INSTALL NO.8 THW STRANDED COPPER WIRE IN 1 1/4" SCHEDULE 40 PVC CONDUIT FROM LIGHT POLE BASE TO PP&L TRANSFORMER. CONDUIT TO HAVE 24" MIN. COMPACTED COVER INCLUDING 2" SAND ABOVE CONDUIT AND 2" SAND BELOW CONDUIT. (LARGER WIRE and/or CONDUIT MAY BE SPECIFIED ON PLANS)

GENERAL INFORMATION

- CONTRACTOR WILL ALIGN ANCHOR BOLTS SO WHEN POLE IS SET, POLE WILL BE PERPENDICULAR TO CENTERLINE OF STREET.
- ALL LIGHTING CIRCUITS WILL BE UNMETERED. NO METER BASE REQUIRED.
- ALL EXCESS CONCRETE SHALL BE REMOVED FROM JOB SITE.
- ALL FOUNDATION MATERIAL, INCLUDING CONCRETE, SHALL BE REMOVED FROM ALL DEVELOPED AREAS.
- ALL FOUNDATION CONCRETE TO BE VIBRATED.
- MINIMUM 7 DAY PERIOD BETWEEN POURING OF FOUNDATION CONCRETE AND SETTING OF POLES.

NO.	DATE	INITIAL	REVISIONS
1	07/05	BWD	REMOVED GROUT REQ.
DESIGN:		DRAWN:	APPROVED: 2001
CITY OF EAGLE POINT ENGINEERING DEPT.			
STREET LIGHT DETAIL			
SCALE: NONE		DWG. NO. EP-501	

Anchor Bolt Foundation Assembly—Metal Streetlight Poles

Scope

This standard shall be used for anchor bolt foundations to support metal street light poles. Foundations may be precast or poured in place.

<u>Bolt Circle</u>	<u>Code</u>
11 inches	A
11.5 inches	B
<u>Installation of Concrete</u>	<u>Code</u>
Company installs and furnishes concrete	A
Contractor installs and furnishes concrete	B

Standard References

- FP 001 *Lighting Poles—General Information*
- FP 131 *Lighting Pole Assembly—Galvanized Steel—Underground Service*
- FP 141 *Lighting Pole Assembly—Galvanized Steel—Overhead Service*
- FP 151 *Lighting Pole Assembly—Aluminum—Underground Service*
- FP 161 *Lighting Pole Assembly—Aluminum—Overhead Service*

Notes

1. Anchor bolt foundation will generally be installed by a customer. Foundations should be located with the vertical center line approximately 24 inches back from the curb edge.
2. For customer-installed anchor bolt foundations, PacifiCorp will furnish four anchor bolts, one ground rod and plastic conduits as required.
3. Number and orientation of the plastic conduits are influenced by the underground circuit route and should be determined in each individual location for the most practical solution.
4. Anchor bolts shall be furnished with 6 inches minimum thread length and shall be hot-dip galvanized.
5. Foundations as specified in this standard are designed for use with the standard 11 gauge (or 10 ga) metal streetlight poles for mast arm heights up to 35 feet. It should not be applied in locations which require a pole of higher strength (dead-end pole; combination streetlight and traffic signal poles, etc.).

Table 1 – List of Materials

No.	S.I. No.	Description
1	6146906	Rod, ground, 5/8" x 8'
2	6628101	Conduit, flexible, 1 1/4"
3	6204200	Bolt, anchor, 1" x 36" with 4" hook, galvanized
4	0293365	Concrete, 5 Bag Mix

Anchor Bolt Foundation Assembly—Metal Streetlight Poles

NO.	DATE	INITIAL	REVISIONS
DESIGN:	DRAWN:	APPROVED: 2001	
CITY OF EAGLE POINT ENGINEERING DEPT.			
ANCHOR BOLT DETAIL			
SCALE: NONE		DWG. NO. EP-502	

Plastic conduits and ground rod must be located within a 3-inch radius from center of the bolt circle.

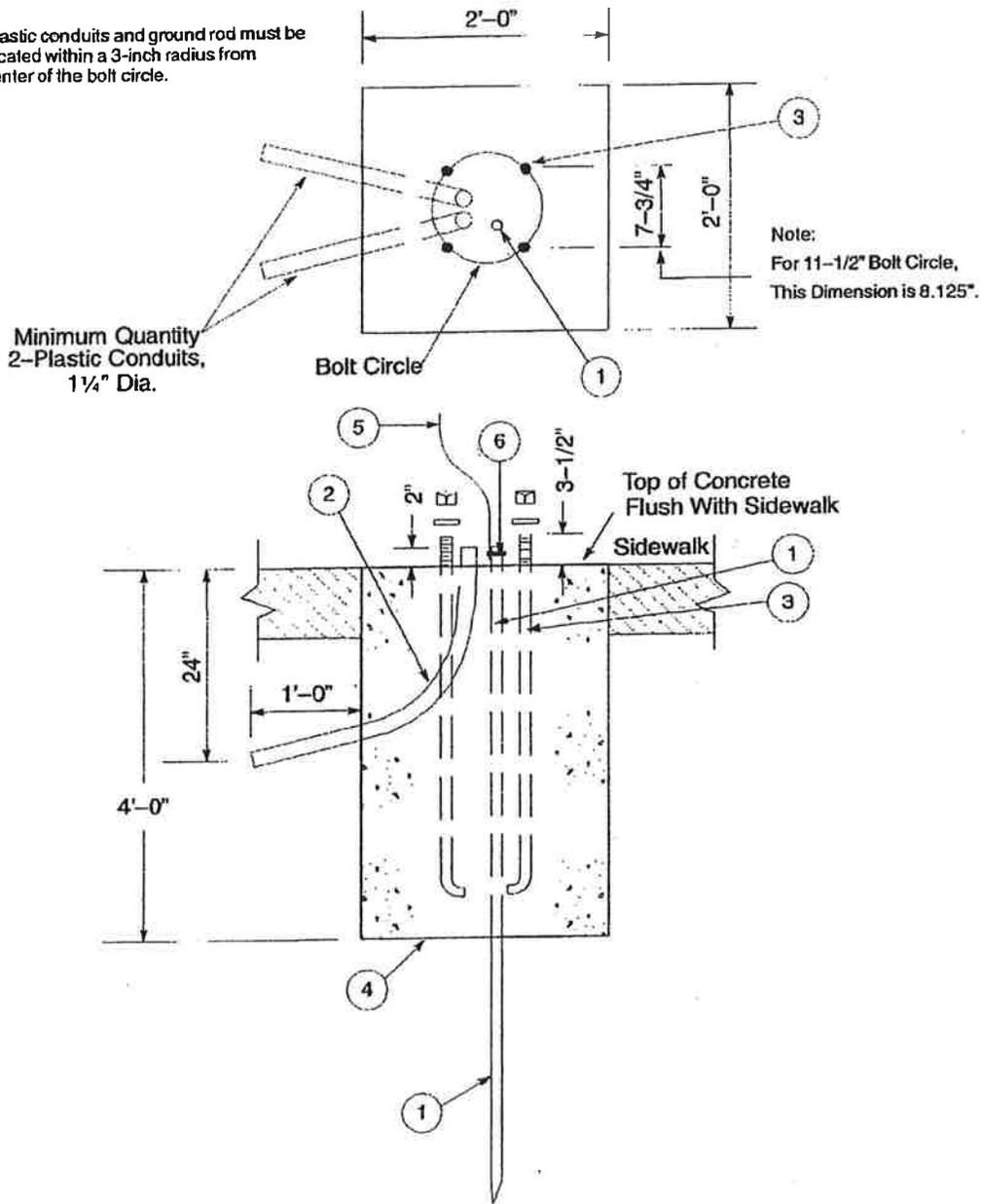


Figure 1 – Typical Concrete Footing with 11" Bolt Circle

**Anchor Bolt Foundation
Assembly—Metal
Streetlight Poles**

NO.	DATE	INITIAL	REVISIONS
DESIGN:		DRAWN:	APPROVED: 2001
CITY OF EAGLE POINT ENGINEERING DEPT.			
ANCHOR BOLT DETAIL			
SCALE: NONE		DWG. NO. EP-503	