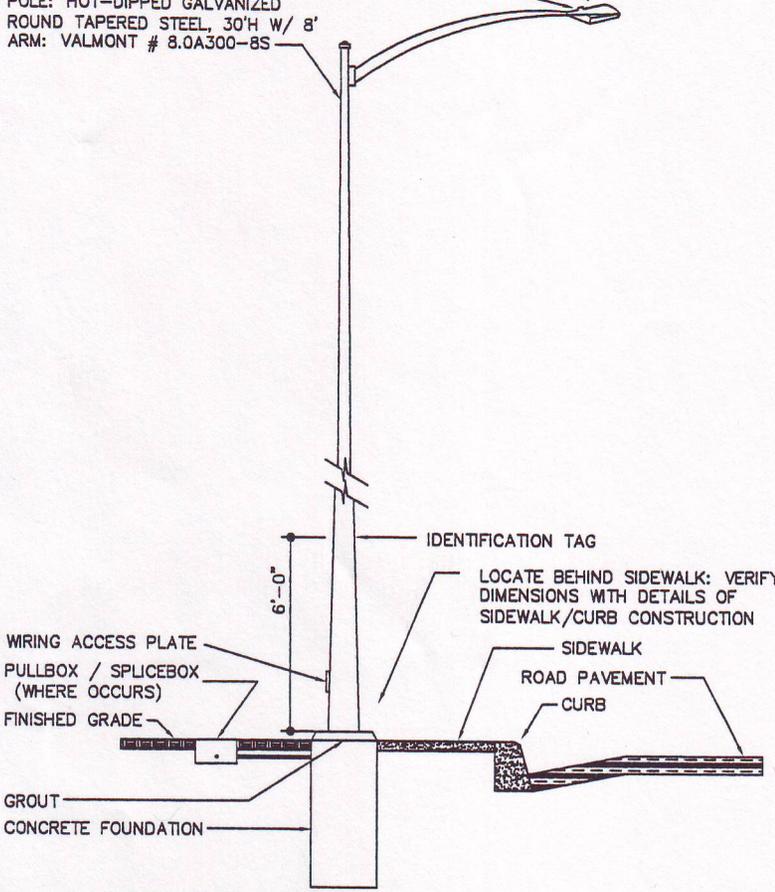


LUMINAIRE

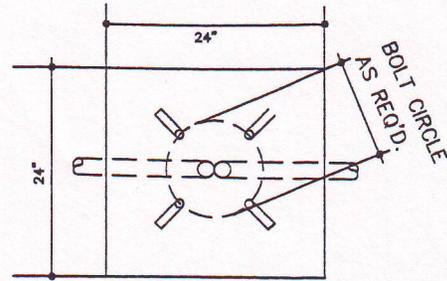
RESIDENTIAL: GE 100 WATT; M2AC10S0H2A(FLAT)MC31
 COLLECTOR: GE 250 WATT; M2AC25S0A2GMC31

PHOTO CELL FACING NORTH

POLE: HOT-DIPPED GALVANIZED
 ROUND TAPERED STEEL, 30'H W/ 8'
 ARM: VALMONT # 8.0A300-8S



STREET LIGHT DETAIL



STUBOUT 1.5" LIQUIDTIGHT FLEXIBLE PVC CONDUITS. 3" MIN PROJECTION, WITHIN 3" RADIUS OF CENTER OF BOLT CIRCLE

GALVANIZED ANCHOR BOLTS W/NUTS: 1" DIA x 36" MIN LENGTH, W/4" HOOK, 3.25" MIN PROJECTION, 4.5" MAX PROJECTION (4 TOTAL)

LEVELING NUTS (4 TOTAL)

GROUT AFTER POLE HAS BEEN LEVELED AND IS STRAIGHT

PORTLAND CEMENT CONCRETE CLASS 3300 P.S.I. TO BE VIBRATED. SLUMP TO BE 3.5" TO 5"

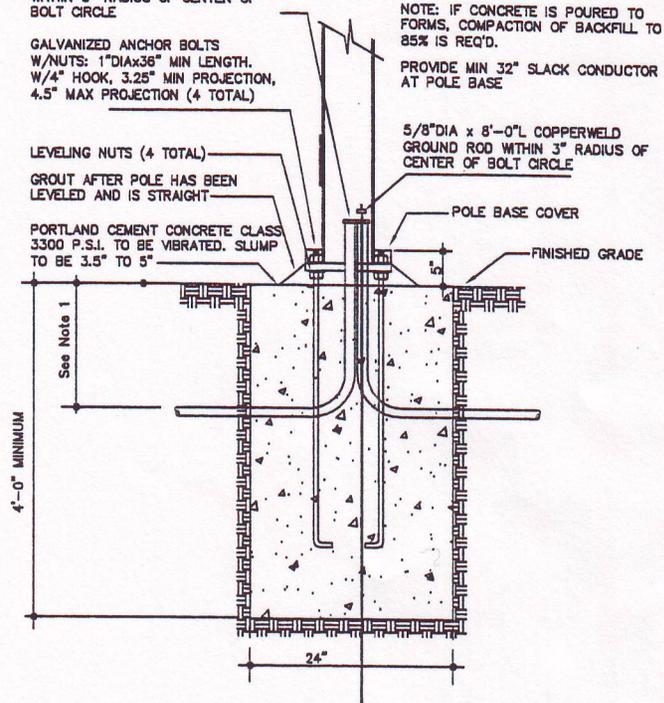
NOTE: IF CONCRETE IS POURED TO FORMS, COMPACTION OF BACKFILL TO 85% IS REQ'D.

PROVIDE MIN 32" SLACK CONDUCTOR AT POLE BASE

5/8" DIA x 8'-0" L COPPERWELD GROUND ROD WITHIN 3" RADIUS OF CENTER OF BOLT CIRCLE

POLE BASE COVER

FINISHED GRADE



STREET LIGHT POLE BASE DETAIL

NOTES:

1. All conduit to be used shall be rigid metal, or minimum schedule 40 PVC. The minimum depth of cover for conduit shall be as follows:
 - A. Within roadway areas: 36" minimum
 - B. All other areas: 24" minimum
2. All work shall comply with the National Electrical Code (latest edition). All underground metal conduit, metal splice and junction boxes, metal parts, etc. shall be continuously bonded and grounded.
3. Minimum radius of conduit bends shall be 18 inches. All bends and/or offsets shall be made with factory fabricated sections. There shall be no more than three bends per run.
4. Long conduit runs are to be avoided. Direct power service from the electrical provider secondaries to the pull box shall be provided when possible. Junction boxes to be a maximum of 250 feet apart in long runs.
5. All splices shall be waterproof, made with approved solderless connector of proper size, and shall conform to Caltrans 1999 Std. Plan ES - 13A.
6. All empty conduit shall be capped and a 1/4 inch nylon pull rope. The rope shall be installed inside with each end secured in such a way as to assure that they will remain exposed.
7. When a private party is to develop a system and then dedicate the system to the City the private party shall be responsible for all necessary arrangements with the electrical provider, as well as all connection and service fees charged by the utility.
8. Each street light shall have a fuse-disconnect in the splice box and shall conform to Caltrans 1999 Std. Plan ES - 13B. Splice boxes shall be installed in accordance with the approved plans, or as directed by the Department of Public works. Where no splice box is installed, fuse-disconnect shall be placed in pole at base and shall be accessible from the pole access plate.
9. All conductors shall be copper.
10. Street light spacing and layout shall be per the current edition of the City of Redding Construction Standards. Variation shall be subject to approval of the Director of Public Works.
11. The City of Redding Construction Standards, Current Edition, shall be used as the basis for street light design of aspects not specifically addressed in this standard.
12. The Director of Public Works may require additional analysis and design of street light foundations should field conditions indicate that such investigations are warranted.

DWG DATE 2-05

SCALE NTS

CITY OF YREKA • DEPARTMENT OF PUBLIC WORKS

APPROVED BY

STEVEN D. NEILL, P.E.
 RCE #33385
 DIRECTOR OF PUBLIC WORKS

STREET LIGHT DETAIL

MARK

DATE

REVISION