

# STREET LIGHTING REQUIREMENTS NOTES & LEGEND PART 1 OF 2

**Street Lighting Requirements** (Requirements are to be completed, not listed on plans.)

1. Provide a letter from PG&E accepting the service point shown on this improvement plan. The PG&E electrical service connection point shall be located within the County right of way or in a public utility easement. The service point shall not be located on private property.
2. Prior to plan approval, the developer shall contact the Traffic Engineering Section to initiate the mechanism for the maintenance and operation of streetlights that was outlined in the project conditions. Permit Sonoma (PRMD) will not forward plans to DTPW for signature until the Traffic Engineering Section provides PRMD with notice that the developer's obligation has been fulfilled with respect to implementing streetlight maintenance and operation.
3. The project civil engineer shall provide a signed and stamped letter detailing what plans PG&E is reviewing (these improvement plans or a utility subcontractor's for example?). If the plans reviewed by PG&E are not these improvement plans, the engineer shall state in the letter that the electrical design shown on these plans conforms to the PG&E reviewed plans.

**Street Lighting Notes** (Fill in all blanks as directed by the DTPW Street Lighting Coordinator.)

1. Except as noted, all wiring methods and electrical work shall conform to the County Standard Drawings, the National Electrical Code, current applicable sections of the Caltrans Standard Plans and Specifications and these Plans and Specifications.
2. The locations of pull boxes, conduit runs, pole foundations and other electrical equipment shown on the plans are approximate and may be changed to suit field conditions as directed by the Engineer. The exact location of all poles and equipment shall be determined by the County Inspector.
3. Street light poles, mast arms and luminaires shall conform to street light Standard Plan No. \_\_\_\_ (see detail sheet \_\_\_\_).
4. The concrete street light foundation requirements shall conform to street light Standard Plan No. \_\_\_\_\_ (see detail sheet \_\_\_\_).
5. Street light poles, mast arms and hardware shall be galvanized steel.
6. Street light poles shall be manufactured by Ameron, Valmont, Union Metal or an approved equal.







COUNTY OF SONOMA DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS		
LIGHTING NOTES (1 OF 2)		
DATE: JULY 2018	REVISED: JUNE 2020	
APPROVED BY: JH	SCALE: NONE	DRAWING NO. 699A

# STREET LIGHTING REQUIREMENTS, NOTES & LEGEND PART 2 OF 2

**Street Lighting Notes (CONTINUED)**

7. The luminaire shall be manufactured by \_\_\_\_\_, Model No. \_\_\_\_\_ . No substitutions allowed.
8. All conductors shall be the THW type, stranded or solid copper. All #8 wire or larger shall be stranded copper. All #10 wire and smaller shall be solid copper. Also see schematic street light wiring diagram on street light Standard Drawing No. 605.
9. The luminaire head shall require a Type IV photocell and NEMA twist lock receptacle.
10. The minimum field wire size shall be #8. Wire shall be stranded.
11. The minimum pole wire size shall be #10. Wire shall be solid.
12. The street light system shall be designed for 120 volt service.
13. Pull boxes shall be #5 per County Standard Drawing No. 600. A concrete pull box with lid shall be installed within 5 feet of the base of each street light pole. Pull boxes shall not be placed where they will be subject to vehicle traffic on the down-traffic side of the street light pole.
14. All conduit installed underground shall be galvanized rigid steel or rigid non-metallic Schedule 40 (PVC) unless otherwise specified. All conduit shall be placed underground in a trench and backfilled with full depth of Class 4 concrete cap before additional material is placed, unless shown otherwise on the plan. All underground conduit shall have a minimum 2 inch diameter, except for the conduit through each street light pole concrete foundation to the adjacent pull box, which shall be rigid galvanized steel with a 1-1/2 inch diameter.
15. All underground conduit shall have a minimum of 30 inches of cover.
16. All underground conduit shall be installed before the final lift of asphalt and/or concrete curb, gutter and sidewalk is installed.
17. The ends of all conduit shall have bell ends and be sealed with a duct seal approved by the Engineer.
18. Street light conduit is not allowed in joint trenches with other utilities.
19. Street lighting conduit shall be placed in the roadway at the lip-of-gutter.

**Street Lighting Legend**

-  ..... STREET LIGHT (STANDARD DRAWING NO. )
-  ..... NO. 5 PULL BOX (STANDARD DRAWING NO. 600)
-  ..... PG&E SERVICE LOCATION
-  ..... SIZE OF CONDUIT IN INCHES
-  ..... NUMBER AND SIZE OF CONDUITS
-  ..... CONDUIT RUN

COUNTY OF SONOMA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC WORKS

LIGHTING NOTES  
(2 OF 2)

DATE: JULY 2018		REVISED: JUNE 2020	
APPROVED BY: JH		SCALE: NONE	DRAWING NO. 699B