1. WHEN A PRIVATE PARTY IS TO DEVELOP A SYSTEM AND THEN DEDICATE THE SYSTEM TO THE CITY THE FOLLOWING SHALL APPLY: THE PRIVATE PARTY SHALL BE RESPONSIBLE FOR ARRANGEMENTS WITH P.G.&E., AND ALL CONNECTION AND SERVICE FEES CHARGED BY THE UTILITY AS WELL AS CITY INSPECTION FEES.
2. POWER FOR STREET LIGHTS IN NEW AND EXISTING RESIDENTIAL SUBDIVISIONS SHALL BE DIRECT FEED (UNMETERED). EACH STREETLIGHT SHALL HAVE AN INDIVIDUAL POINT OF CONNECTION AS APPROVED BY PG&E. CONTRACTOR SHALL PROVIDE AS BUILT DRAWINGS SHOWING PG&E FACILITIES AND THE ACTUAL STREET LIGHT LOCATIONS.
3. ON STREETLIGHTS WHERE INDIVIDUAL POINTS OF CONNECTION ARE NOT AVAILABLE, A LIGHTING SYSTEM SHALL BE INSTALLED WITH A SERVICE PEDESTAL APPROVED BY THE ENGINEER AND HAVE SEPARATE A AND B CIRCUITS.
4. ALL CONDUIT TO BE USED SHALL BE RIGID METAL, OR SCHEDULE 40 POLYVINYL CHLORIDE.
5. THE UNDERGROUND CONDUIT AND ALL METAL PARTS SHALL BE CONTINUOUSLY BONDED AND GROUNDED.
6. MINIMUM RADIUS OF BENDS SHALL COMPLY WITH 86-2.05C OF THE CALTRANS STANDARD SPECIFICATIONS. ALL BENDS AND/OR OFFSETS SHALL BE MADE WITH FACTORY FABRICATED SECTIONS. THERE SHALL BE NO MORE THAN THREE BENDS PER RUN. BELL ENDS ARE REQUIRED ON ALL CONDUIT ENDS.
7. UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER, A NO.5. PULL BOX (CALTRANS STANDARD PLAN ES-8) SHALL BE USED AT ALL STREET LIGHT STANDARDS. COVERS SHALL BE INSCRIBED "STREET LIGHTING" AND SECURED WITH SOLID BRASS HOLD DOWN BOLTS.
8. FOR DIRECT FEED SYSTEMS LONG CONDUIT RUNS ARE TO BE AVOIDED. DIRECT SECONDARY POWER FROM THE P.G.&E. SERVICE TO THE PULL BOX SHALL BE PROVIDED. JUNCTION BOXES TO BE A MAXIMUM 250' (FEET) APART ON LONG RUNS, OR AS DIRECTED BY THE CITY ENGINEER.
9. CONDUCTORS FROM THE PG&E SECONDARY BOX TO THE STREET LIGHT SPLICE BOX SHALL BE ALUMINUM #6 AWG DUPLEX (PG&E #294347). IN A STREET LIGHTING SYSTEM, CONDUCTORS FROM THE POINT OF CONNECTION TO THE SERVICE PEDESTAL SHALL BE ALUMINUM 1\0 AWG TRIPLEX (PG&E #294370). ALL OTHER CONDUCTORS SHALL BE COPPER #6 AWG, EXCEPT #8 AWG (BARE) FOR GROUND.
10. CONNECTION FROM ALUMINUM TO COPPER IN THE STREETLIGHT SPLICE BOX SHALL BE MADE WITH EITHER A 3 OR 4 WAY SWEETHEART BY HOMAC, BURNDY KSA6, BURNDY KSU20, ILSCO SK-6 OR CITY APPROVED EQUAL.
11. ALL SPLICES SHALL BE WATERPROOF, MADE WITH APPROVED SOLDER CONNECTOR OF PROPER SIZE, AND SHALL CONFORM TO CALTRANS STD. PLAN ES-13A. WIRE SIZES 8 AND SMALLER SHALL COMPLY WITH SECTION 86-2.09C - CONNECTORS AND TERMINALS OF THE CALTRANS STANDARD SPECIFICATIONS.
12. ALL EMPTY CONDUIT SHALL BE CAPPED AND A #10 GREEN PULL WIRE, OR APPROVED PULL STRING, SHALL BE INSTALLED INSIDE WITH EACH END SECURED IN SUCH A WAY AS TO ASSURE THAT THEY WILL REMAIN EXPOSED.
13. ALL CONDUIT OPENINGS TO BE COVERED WITH DUCT SEAL.
14. ALL POLE WIRING TO BE #10 AWG SOLID. TRANSITION FROM #6 TO #10 TO BE DONE IN PULL BOX PRIOR TO ENTERING POLE.
15. EACH STREET LIGHT SHALL HAVE A IN-LINE FUSE HOLDER IN POLE HANDHOLE.
16. CONTRACTOR TO PROVIDE SUBMITTALS FOR CITY APPROVAL OF POLES, LUMINAIRES, SERVICE PEDESTALS AND ANCHOR BOLTS.
17. CONTRACTOR SHALL TAG CONDUCTORS WITH STREET LIGHT NUMBERS IN PG&E SECONDARY BOX PER PG&E REQUIREMENTS.
18. STREET LIGHTS MUST BE READY TO BE ENERGIZED WITHIN 14 DAYS AFTER SUBDIVISION IS ENERGIZED.
19. ALL WORK SHALL COMPLY WITH CALTRANS STANDARDS, SECTION 86.
20. POLE BASE SHALL BE GROUTED WITH NON-SHRINK GROUT.
21. ALL PG&E SERVICE POINTS SHALL BE SHOWN ON STREET LIGHT PLANS.

STREET LIGHT GENERAL NOTES

DATE	REVISIONS	BY

CITY OF YUBA CITY

LIGHTING DETAIL

E1

APPROVED 1/21/09 DATE