

NOTES:

1. STREETLIGHTS ON LOCAL STREETS SHALL BE LED – MINIMUM 5,800 LUMEN WITH CUT-OFF LUMINAIRES, LUMINAIRE ELEVATION OF 26', MOUNTED ON MARBLELITE POLES WITH 8' ALUMINUM MAST ARMS. ALTERNATIVE STREETLIGHT POLES ARE SUBJECT TO APPROVAL OF THE CITY ENGINEER.
2. STREETLIGHTS SHALL BE INSTALLED AT LOCATIONS AS DETERMINED BY THE CITY ENGINEER UPON REVIEW OF SUBMITTED IMPROVEMENT PLANS.
3. A STREETLIGHT SHALL BE INSTALLED AT EACH INTERSECTION. SHOULD THE DISTANCE EXCEED 360' BETWEEN INTERSECTIONS AN INTERMEDIATE STREETLIGHT, OR STREETLIGHTS, SHALL BE INSTALLED. SPACING OF STREET LIGHTS BETWEEN INTERSECTIONS WHERE REQUIRED SHALL BE 180' MINIMUM TO 240' MAXIMUM.
4. CUL-DE-SACS SHALL HAVE A MINIMUM OF ONE STREETLIGHT AND SHALL FOLLOW THE ABOVE SPACING REQUIREMENTS.
5. A STREET LIGHTING PLAN PREPARED BY A LICENSED ENGINEER SHALL BE SUBMITTED TO THE CITY. THE PLAN SHALL INCLUDE LOCATIONS OF STREETLIGHTS, PULL BOXES, CONDUIT, METER PEDESTAL, POINT OF SERVICE, AND VOLTAGE DROP CALCULATIONS. THE LIGHTING SYSTEM MUST COMPLY WITH THE CURRENT NATIONAL ELECTRICAL CODE (NEC) AND THE CALIFORNIA ELECTRICAL CODE (CEC).
6. STREET LIGHTING SHALL BE DESIGNED TO MINIMIZE THE NUMBER OF METER PEDESTALS.
7. A "WILL SERVE" LETTER FROM SOUTHERN CALIFORNIA EDISON SHALL BE SUBMITTED TO THE CITY PRIOR TO APPROVAL OF STREET LIGHTING PLANS.
8. A MINIMUM SEPARATION OF 20' IS REQUIRED BETWEEN TREES AND STREETLIGHT POLES.
9. ALL STREETLIGHTS INSTALLED OR REPLACED IN THE CENTRAL BUSINESS DISTRICT ARE SUBJECT TO APPROVAL OF THE CITY ENGINEER.

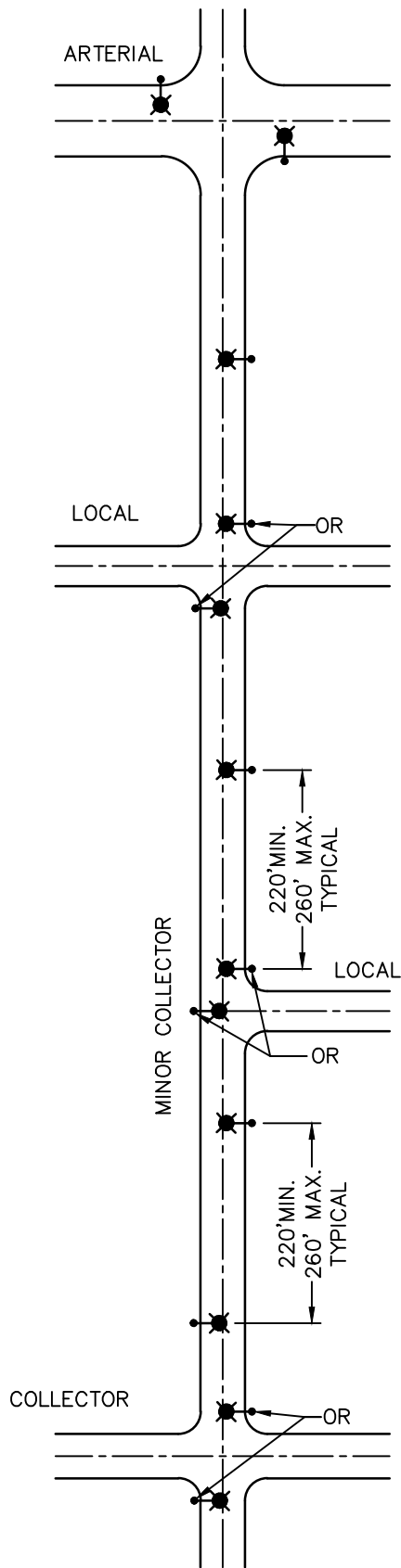
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CITY OF VISALIA
 DESIGN & IMPROVEMENT STANDARDS

LOCAL STREET LIGHTING
 RESIDENTIAL & INDUSTRIAL

REVISIONS
 04/29/16
 BK 2016

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NOTES:

1. STREETLIGHTS ON MINOR COLLECTOR STREETS SHALL BE LED – MINIMUM 9,500 LUMEN WITH CUT-OFF LUMINAIRES, LUMINAIRE ELEVATION OF 29’ MOUNTED ON MARBLELITE POLES WITH 8’ ALUMINUM MAST ARMS.
2. STREETLIGHTS SHALL BE INSTALLED AT LOCATIONS AS DETERMINED BY THE CITY ENGINEER UPON REVIEW OF SUBMITTED IMPROVEMENT PLANS.
3. A STREETLIGHT SHALL BE INSTALLED AT EACH INTERSECTION. STREETLIGHT SPACING SHALL BE 220’ MINIMUM TO 260’ MAXIMUM.
4. STREETLIGHTS SHALL BE STAGGERED FROM SIDE TO SIDE OF STREET, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
5. IF AN INTERSECTION IS SIGNALIZED, A STREETLIGHT SHALL BE INSTALLED ON EACH CORNER AS A PART OF THE TRAFFIC SIGNAL SYSTEM.
6. A STREET LIGHTING PLAN PREPARED BY A LICENSED ENGINEER SHALL BE SUBMITTED TO THE CITY. THE PLAN SHALL INCLUDE LOCATIONS OF STREETLIGHTS, PULL BOXES, CONDUIT, METER PEDESTAL, POINT OF SERVICE, AND VOLTAGE DROP CALCULATIONS. THE LIGHTING SYSTEM MUST COMPLY WITH THE CURRENT NATIONAL ELECTRICAL CODE (NEC) AND THE CALIFORNIA ELECTRICAL CODE (CEC).
7. STREET LIGHTING SHALL BE DESIGNED TO MINIMIZE THE NUMBER OF METER PEDESTALS.
8. A "WILL SERVE" LETTER FROM SOUTHERN CALIFORNIA EDISON SHALL BE SUBMITTED TO THE CITY PRIOR TO APPROVAL OF STREET LIGHTING PLANS.
9. A MINIMUM SEPARATION OF 20’ IS REQUIRED BETWEEN TREES AND STREETLIGHT POLES.
10. ALL STREETLIGHTS INSTALLED OR REPLACED IN THE CENTRAL BUSINESS DISTRICT ARE SUBJECT TO APPROVAL OF THE CITY ENGINEER.

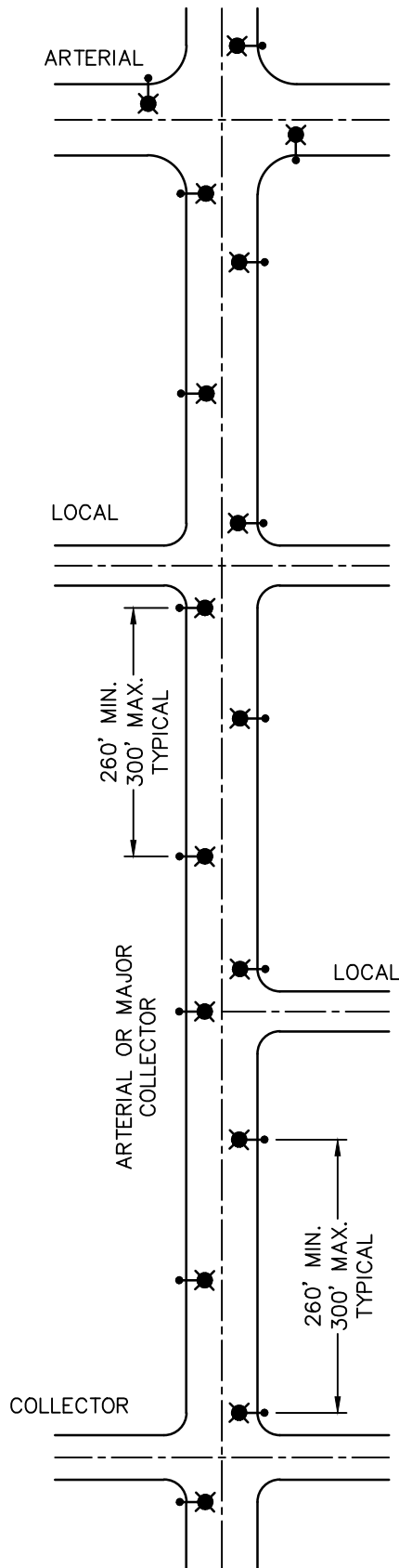
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CITY OF VISALIA
 DESIGN & IMPROVEMENT STANDARDS

MINOR COLLECTOR STREET LIGHTING

REVISIONS
 04/29/16
 BK 2016

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NOTES:

1. STREETLIGHTS ON ARTERIAL STREETS SHALL BE LED – MINIMUM 16,000 LUMEN WITH CUT-OFF LUMINAIRES, LUMINAIRE ELEVATION OF 29', MOUNTED ON MARBLELITE POLES WITH 8' ALUMINUM MAST ARMS.
2. STREETLIGHTS ON MAJOR COLLECTOR STREETS SHALL BE LED – MINIMUM 9,500 LUMEN WITH CUT-OFF LUMINAIRES, LUMINAIRE ELEVATION OF 29', MOUNTED ON MARBLELITE POLES WITH 8' ALUMINUM MAST ARMS.
3. STREETLIGHTS SHALL BE INSTALLED AT LOCATIONS AS DETERMINED BY THE CITY ENGINEER UPON REVIEW OF SUBMITTED IMPROVEMENT PLANS.
4. TWO STREETLIGHTS SHALL BE INSTALLED AT EACH INTERSECTION. STREETLIGHT SPACING SHALL BE 260' MINIMUM TO 300' MAXIMUM.
5. STREETLIGHTS SHALL BE INSTALLED ON BOTH SIDES OF THE STREET.
6. IF AN INTERSECTION IS SIGNALIZED, A STREETLIGHT SHALL BE INSTALLED ON EACH CORNER AS A PART OF THE TRAFFIC SIGNAL SYSTEM.
7. A STREETLIGHT PLAN PREPARED BY A LICENSED ENGINEER SHALL BE SUBMITTED TO THE CITY. THE PLAN SHALL INCLUDE LOCATIONS OF STREETLIGHTS, PULL BOXES, CONDUIT, METER PEDESTAL, POINT OF SERVICE, AND VOLTAGE DROP CALCULATIONS. THE LIGHTING SYSTEM MUST COMPLY WITH THE CURRENT NATIONAL ELECTRICAL CODE (NEC) AND THE CALIFORNIA ELECTRICAL CODE (CEC).
8. STREET LIGHTING SHALL BE DESIGNED TO MINIMIZE THE NUMBER OF METER PEDESTALS.
9. A "WILL SERVE" LETTER FROM SOUTHERN CALIFORNIA EDISON SHALL BE SUBMITTED TO THE CITY PRIOR TO APPROVAL OF STREET LIGHTING PLANS.
10. A MINIMUM SEPARATION OF 20' IS REQUIRED BETWEEN TREES AND STREETLIGHT POLES.
11. ALL STREETLIGHTS INSTALLED OR REPLACED IN THE CENTRAL BUSINESS DISTRICT ARE SUBJECT TO APPROVAL OF THE CITY ENGINEER.

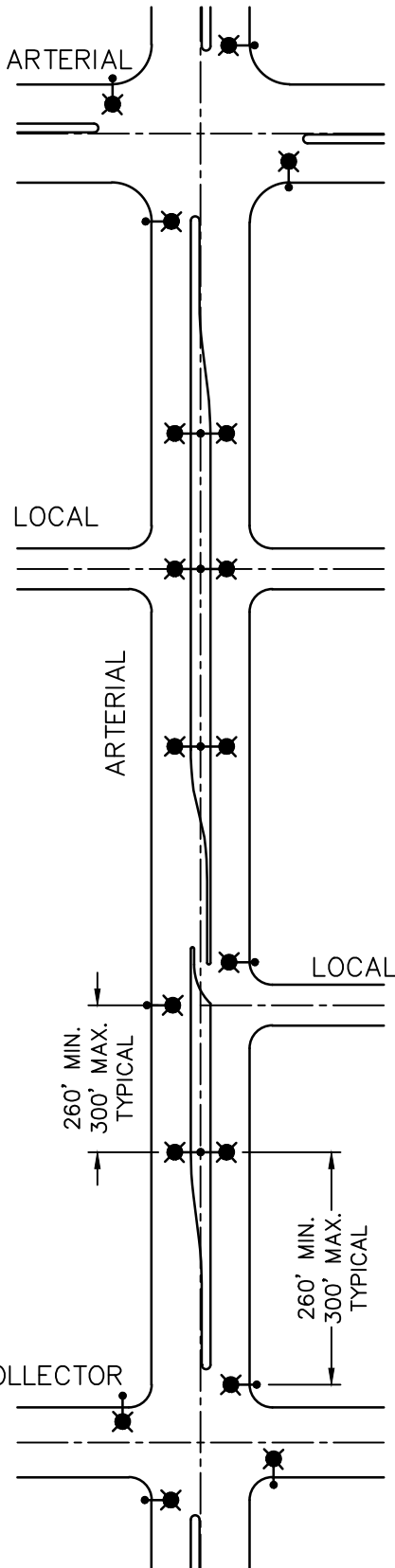
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CITY OF VISALIA
 DESIGN & IMPROVEMENT STANDARDS

ARTERIAL AND MAJOR
 COLLECTOR STREET LIGHTING

REVISIONS
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 BK 2016

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NOTES:

1. STREET LIGHTS SHALL BE INSTALLED IN MEDIAN. STREET LIGHTS INSTALLED IN MEDIAN POLES SHALL BE INSTALLED ON SINGLE OCTAGONAL POLES WITH A POLE HEIGHT OF 25'-9" AND SHALL HAVE DUAL MAST ARMS WITH A LENGTH OF 8' EACH.
2. INTERSECTIONS MAY BE SUPPLEMENTED WITH LIGHTING BEHIND CURB AND GUTTER IF MEDIAN LIGHTING CANNOT BE POSITIONED TO PROVIDE ADEQUATE ILLUMINATION.
3. STREETLIGHTS ON ARTERIAL STREETS SHALL BE LED - MINIMUM 16,000 LUMEN WITH CUT-OFF LUMINAIRES, LUMINAIRE ELEVATION OF 29', MOUNTED ON MARBLELITE POLES WITH 8' ALUMINUM MAST ARMS.
4. STREETLIGHTS ON MAJOR COLLECTOR STREETS SHALL BE LED - MINIMUM 9,500 LUMEN WITH CUT-OFF LUMINAIRES, LUMINAIRE ELEVATION OF 29', MOUNTED ON MARBLELITE POLES WITH 8' ALUMINUM MAST ARMS.
5. STREETLIGHTS SHALL BE INSTALLED AT LOCATIONS AS DETERMINED BY THE CITY ENGINEER UPON REVIEW OF SUBMITTED IMPROVEMENT PLANS.
6. STREETLIGHT SPACING SHALL BE 260' MINIMUM TO 300' MAXIMUM.
7. IF AN INTERSECTION IS SIGNALIZED, A STREETLIGHT SHALL BE INSTALLED ON EACH CORNER AS A PART OF THE TRAFFIC SIGNAL SYSTEM.
8. A STREETLIGHT PLAN PREPARED BY A LICENSED ENGINEER SHALL BE SUBMITTED TO THE CITY. THE PLAN SHALL INCLUDE LOCATIONS OF STREETLIGHTS, PULL BOXES, CONDUIT, METER PEDESTAL, POINT OF SERVICE, AND VOLTAGE DROP CALCULATIONS. THE LIGHTING SYSTEM MUST COMPLY WITH THE CURRENT NATIONAL ELECTRICAL CODE (NEC) AND THE CALIFORNIA ELECTRICAL CODE (CEC).
9. STREET LIGHTING SHALL BE DESIGNED TO MINIMIZE THE NUMBER OF METER PEDESTALS.
10. A "WILL SERVE" LETTER FROM SOUTHERN CALIFORNIA EDISON SHALL BE SUBMITTED TO THE CITY PRIOR TO APPROVAL OF STREET LIGHTING PLANS.
11. A MINIMUM SEPARATION OF 20' IS REQUIRED BETWEEN TREES AND STREETLIGHT POLES.
12. ALL STREETLIGHTS INSTALLED OR REPLACED IN THE CENTRAL BUSINESS DISTRICT ARE SUBJECT TO APPROVAL OF THE CITY ENGINEER.

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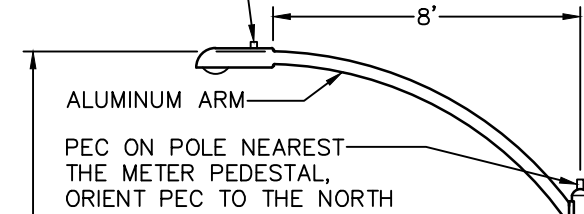
CITY OF VISALIA
 DESIGN & IMPROVEMENT STANDARDS

ARTERIAL STREET LIGHTING
 WITH MEDIAN CURB

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PEC RECEPTACLE AND SHORTING CAP NOT ALLOWED



ALUMINUM ARM

PEC ON POLE NEAREST THE METER PEDESTAL, ORIENT PEC TO THE NORTH

26'± MOUNTING HEIGHT (LOCAL STREETS)
29'± MOUNTING HEIGHT (COLLECTORS & ARTERIALS)

23'± POLE HEIGHT (LOCAL STREETS)
26'± POLE HEIGHT (COLLECTORS & ARTERIALS)

TOP MOUNT CAP

OCTAGONAL TAPERED, REINFORCED CONCRETE STREETLIGHT POLE. AGGREGATE SHALL BE 3/8" MAXIMUM. SURFACE SHALL BE EXPOSED AGGREGATE.

THREE #12 COPPER CONDUCTORS SOLID (XHHW) TO FIXTURE AND THREE #14 COPPER CONDUCTORS SOLID (XHHW) TO PEC (WHERE APPLICABLE)

POLE NUMBERING SEE NOTE 3

HAND HOLE COVER AND FUSE FOR FIXTURE 5A WITH TRON TYPE FUSE HOLDER

2' OR AS SHOWN ON STREET LIGHTING PLAN

5' MAX TO PULL BOX SEE NOTE 5

1'-6"

24"-30"

NO. 3-1/2 PULL BOX, SEE STREETLIGHT PULL BOX STANDARD DRAWING

COMPACT BACKFILL TO MINIMUM 95% RELATIVE COMPACTION

COUPLING
2-1/2" SCH 40 PVC FACTORY ELBOW

COMPACT BACKFILL TO MINIMUM 95% RELATIVE COMPACTION

2" MAX.

1-1/2" TYPE "NM" CONDUIT, RATED FOR DIRECT BURIAL ROUTED THROUGH PVC WIRE WAY

COMPACT BACKFILL TO MINIMUM 95% RELATIVE COMPACTION

1-1/2" PVC SCH. 40 WITH CONDUCTORS, SEE STREETLIGHT CONNECTION DIAGRAM STANDARD DRAWING. EXTEND CONDUIT TO UTILITY TRENCH, SEE TYPICAL UTILITY LOCATIONS STANDARD DRAWING.

NOTES:

1. ALL WORK SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE SPECIFICATIONS ENTITLED "STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, BUSINESS, TRANSPORTATION AND HOUSING AGENCY, DEPARTMENT OF TRANSPORTATION" AND THE NATIONAL ELECTRICAL CODE.
2. LUMINAIRE SHALL BE 120V LED, COBRA HEAD STYLE WITH TYPE II CUTOFF.
3. ALL STREETLIGHTS SHALL BE NUMBERED. NUMERICAL SEQUENCE TO BE OBTAINED FROM THE CITY OF VISALIA. EACH CHARACTER SHALL BE 2-1/2" TEXT HEIGHT. ALUMINUM TAGS SHALL BE INSTALLED VERTICALLY. THE BOTTOM TAG SHALL BE 10'-6" ABOVE FINISH GRADE.
4. FOR BASE PLATE AND FOUNDATION INFORMATION SEE STREETLIGHT FOUNDATION STANDARD DRAWING.
5. PULL BOX SHALL NOT BE INSTALLED WITHIN SIDEWALK, UNLESS APPROVED BY THE CITY ENGINEER.

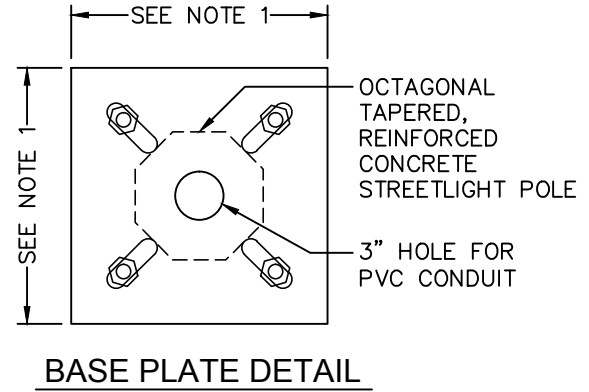
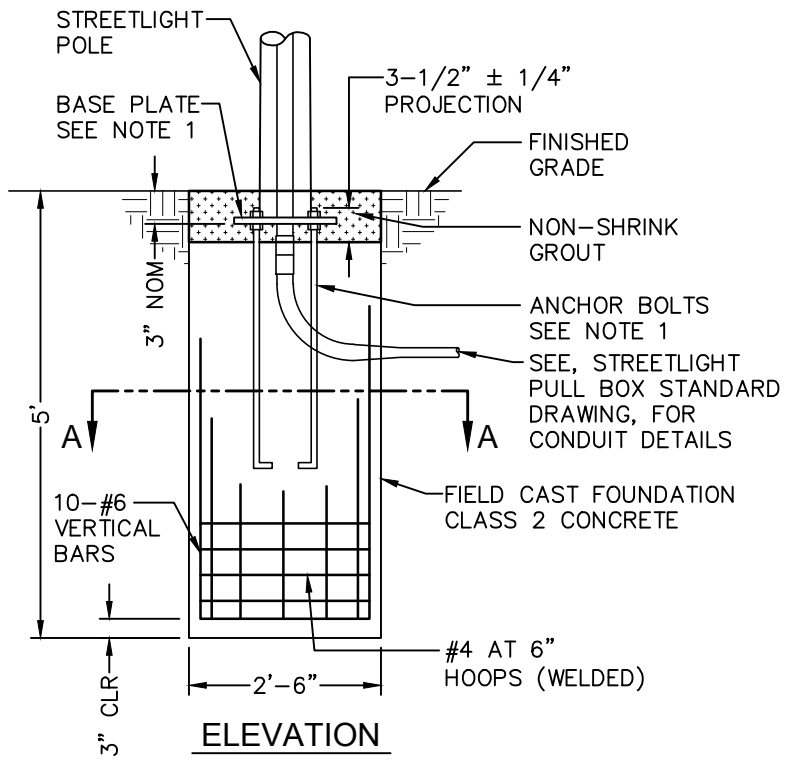
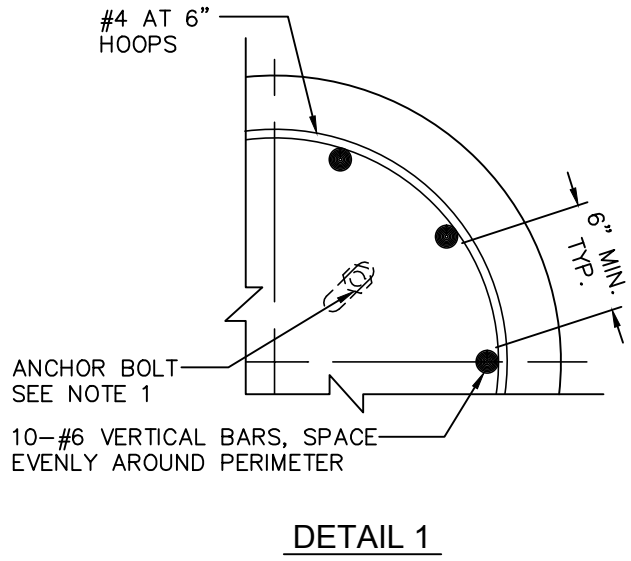
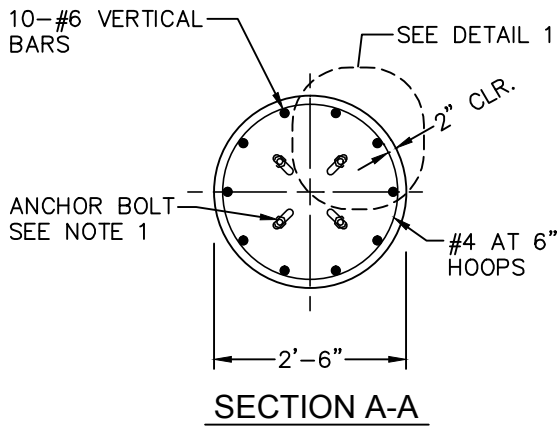
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CITY OF VISALIA
DESIGN & IMPROVEMENT STANDARDS

STREETLIGHT POLE

REVISIONS
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**CAST-IN-DRILLED HOLE PILE FOUNDATION
 REINFORCED PILE**

NOTE:

1. BASE PLATE AND ANCHOR BOLT DIMENSIONS PER MANUFACTURER SPECIFICATIONS. AT MINIMUM, ANCHOR BOLTS 1"Øx36"x4". INSTALL PER MANUFACTURERS RECOMMENDATION.

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**CITY OF VISALIA
 DESIGN & IMPROVEMENT STANDARDS**

STREETLIGHT FOUNDATION

REVISIONS
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1-1/2" SCH 40
PVC, SEE TYPICAL
UTILITY LOCATIONS
STANDARD DRAWING

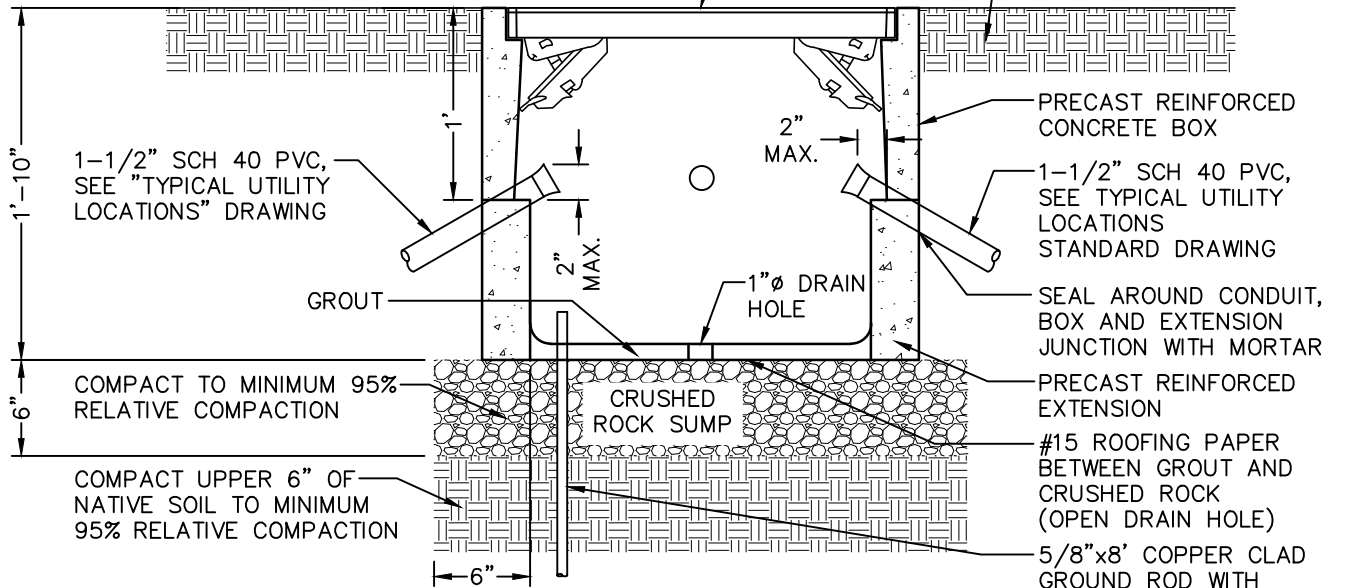
1-1/2" SCH 40 PVC,
SEE TYPICAL UTILITY
LOCATIONS
STANDARD DRAWING



COVER MARKINGS TO BE
INSCRIBED FOR INTENDED USE
(PER CALTRANS STANDARD
SPECIFICATIONS)

COMPACT ALL BACKFILL
TO MINIMUM 95%
RELATIVE COMPACTION

SEE NOTE 8



SECTION A-A

NOTES:

1. PULL BOXES SHALL BE NO. 3-1/2 UNLESS OTHERWISE NOTED ON PLANS.
2. PULL BOXES SHALL BE GROUTED PRIOR TO INSTALLATION OF CONDUCTORS. SLOPED TOWARD THE DRAIN HOLE. PLACE A LAYER OF ROOFING PAPER BETWEEN THE CRUSHED ROCK AND GROUT. OPEN AT DRAIN HOLE.
3. PULL LIDS BEFORE POURING CONCRETE AROUND PULL BOXES.
4. WRAP BOX WITH ROOFING PAPER BEFORE BACKFILLING.
5. PULL BOX SHALL BE TRAFFIC RATED PER CALTRANS STANDARDS IF NOT LOCATED BEHIND A CURB.
6. STREET LIGHT CONDUCTORS SHALL BE INSTALLED CONTINUOUS. SPLICES SHALL ONLY BE PERMITTED AT THE PULL BOX.
7. FIRMLY INSTALL DUCT SEAL AFTER INSTALLATION OF CONDUCTORS.
8. A LOCKING LID SHALL BE INSTALLED. LID SHALL BE GALVANIZED STEEL DIAMOND PLATE, MINIMUM THICKNESS 3/16", WITH MINIMUM TWO CLAMPING JAWS. DELIVER ONE KEY PER PROJECT TO THE CITY OF VISALIA REPRESENTATIVE OR AS DIRECTED BY THE CITY REPRESENTATIVE. LID SHALL BE LOCKJAW BRAND OR APPROVED EQUAL. LID SHALL BE BONDED PER CALTRANS STANDARDS FOR TRAFFIC RATED LIDS.
9. A MINIMUM OF 2' OF SLACK IN EACH CONDUCTOR SHALL BE LEFT IN EACH PULL BOX. TWIST AND PUSH TO BOTTOM OF PULL BOX TO PREVENT WIRE FROM PULLING THROUGH.
10. CONDUIT SHALL HAVE BELL ENDS. EMPTY CONDUITS SHALL BE CAPPED WITHOUT GLUE.
11. CONDUIT SHALL BE MANDREL TESTED AFTER BACKFILL AND COMPACTION IN THE PRESENCE OF THE CITY OF VISALIA REPRESENTATIVE.
12. REFER TO TYPICAL UTILITY LOCATIONS STANDARD DRAWING FOR PLACEMENT OF STREET LIGHTING CONDUIT IN UTILITY TRENCHES.
13. GROUND RODS REQUIRED ONLY IN PULL BOX FARTHEST FROM THE METER PEDESTAL AND IN THE METER PEDESTAL.

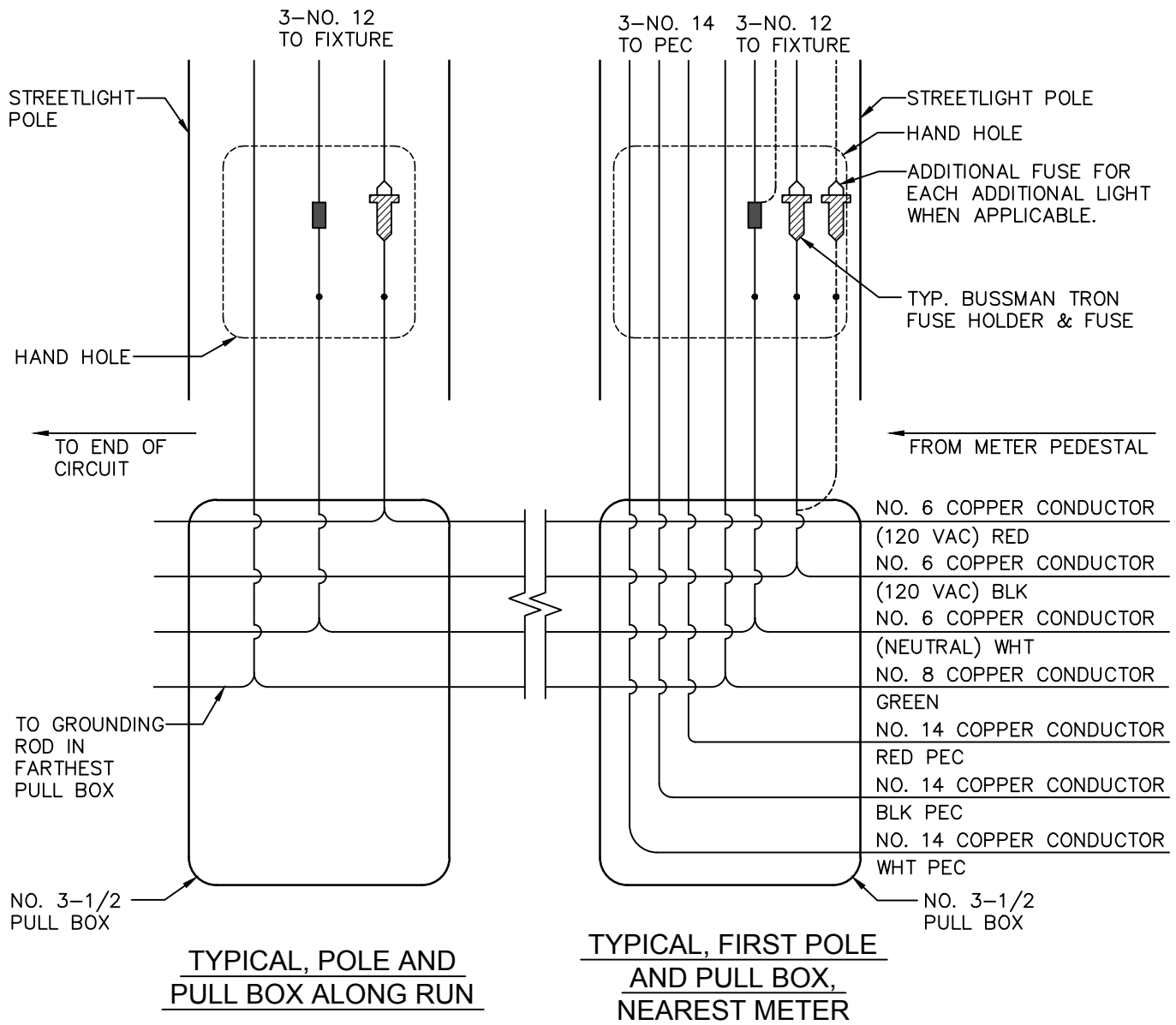
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**CITY OF VISALIA
DESIGN & IMPROVEMENT STANDARDS**

STREETLIGHT PULL BOX

REVISIONS
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NOTES:

1. ALL CONDUCTORS SHALL BE (XHHW) TYPE, OR AS APPROVED BY CITY ENGINEER.
2. VOLTAGE DROP CALCULATIONS SHALL BE PERFORMED BY A LICENSED ENGINEER AND SUBMITTED TO THE CITY OF VISALIA FOR REVIEW.
3. 240V CIRCUITS ARE NOT STANDARD BUT MAY BE USED IF WARRANTED BY SPECIAL CIRCUMSTANCES. 240V CIRCUITS REQUIRE APPROVAL OF THE CITY ENGINEER AND SHALL BE DESIGNED BY A LICENSED ENGINEER.
4. SPLICES SHALL BE PER CALTRANS STANDARD PLAN ES-13A, TYPE "S" OR TYPE "ST" AS APPLICABLE. SPLICES SHALL BE INSULATED IN ACCORDANCE WITH METHOD "B".
5. SPLIT BOLT CONNECTOR (KEARNEY CONNECTORS, OR EQUAL), MAY BE USED TO SPLICE NO. 8 CONDUCTORS OR LARGER WITH METHOD "B" INSULATION.
6. WIRE NUTS ARE NOT ALLOWED FOR SPLICING.
7. THIS WIRING DIAGRAM DOES NOT SHOW THE SEPARATE GFI CIRCUIT REQUIRED IN THE DOWNTOWN AREA.

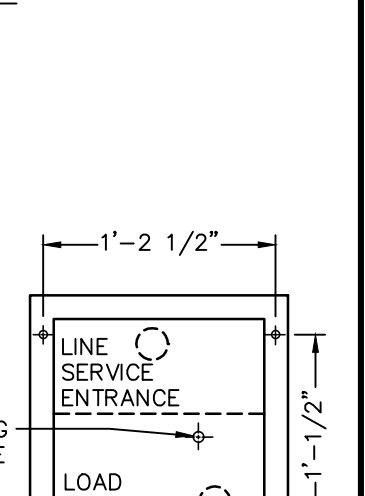
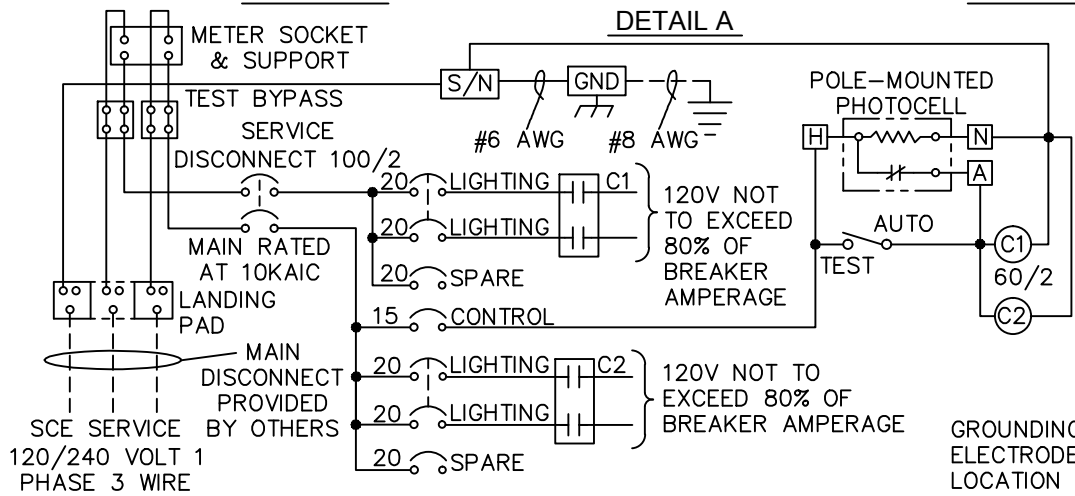
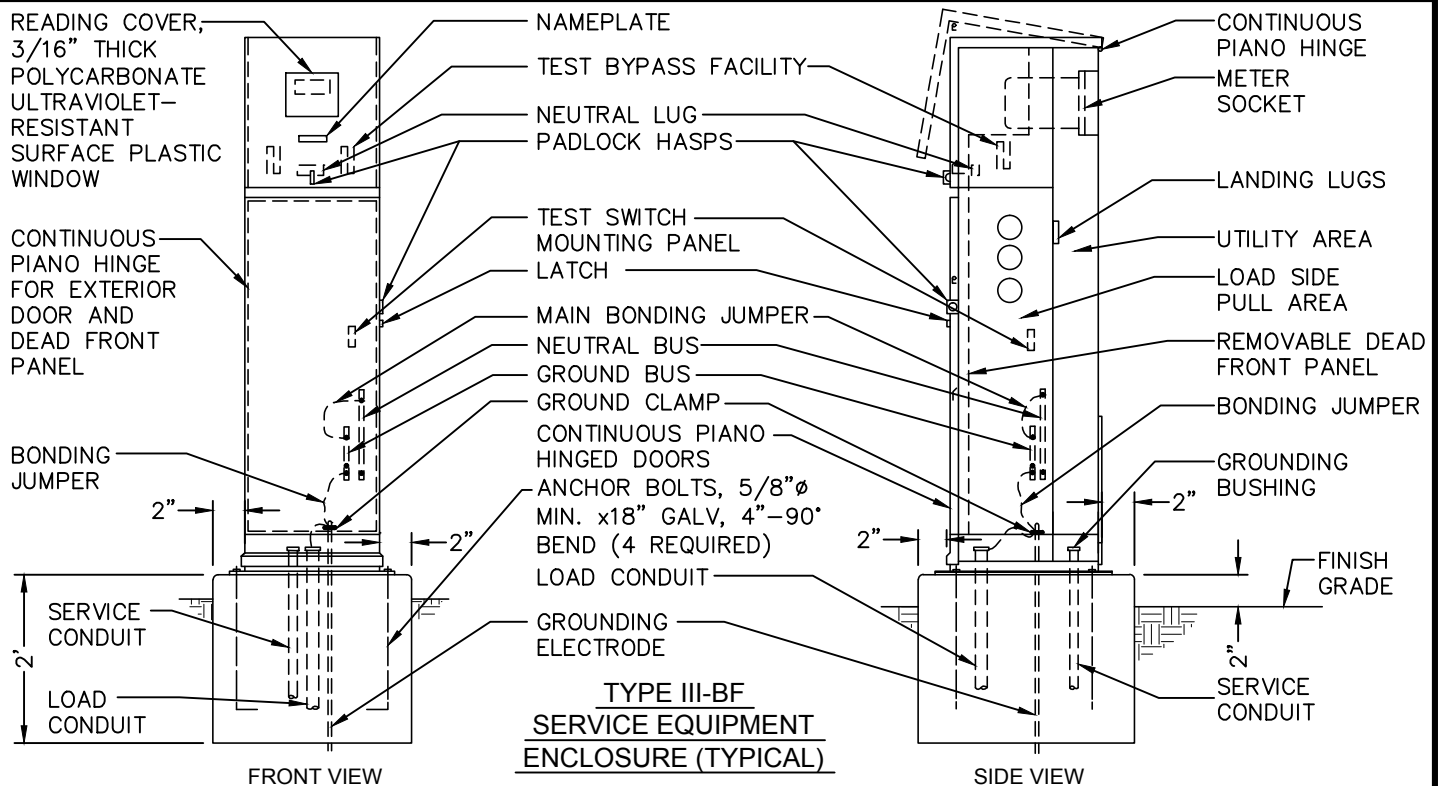
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CITY OF VISALIA
 DESIGN & IMPROVEMENT STANDARDS

STREETLIGHT CONNECTION DIAGRAM

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NOTE: LOAD CURRENT FOR ALL BREAKERS NOT TO EXCEED 80% OF BREAKER AMPERAGE

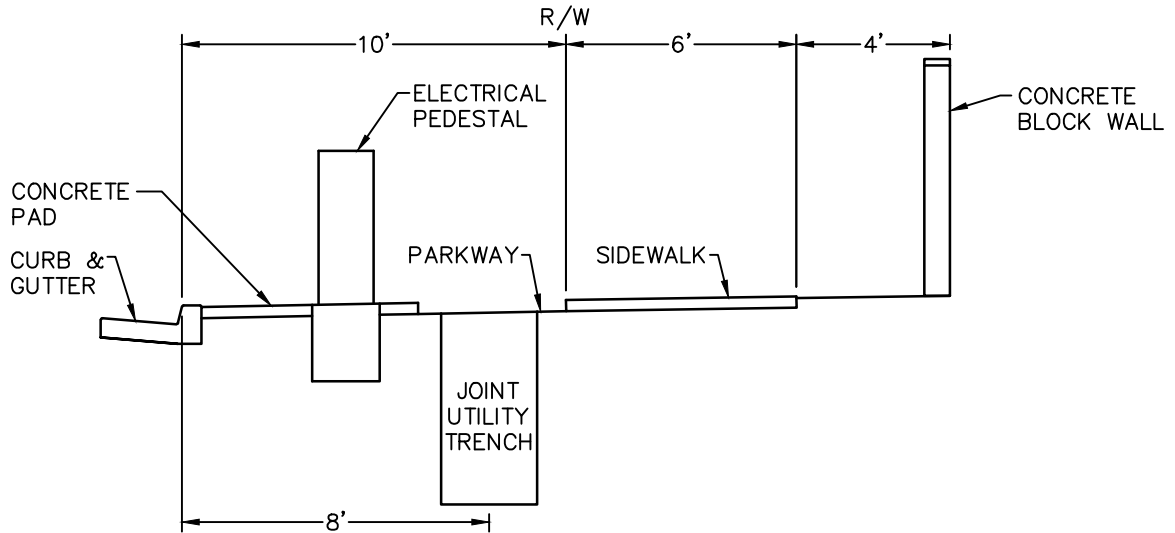
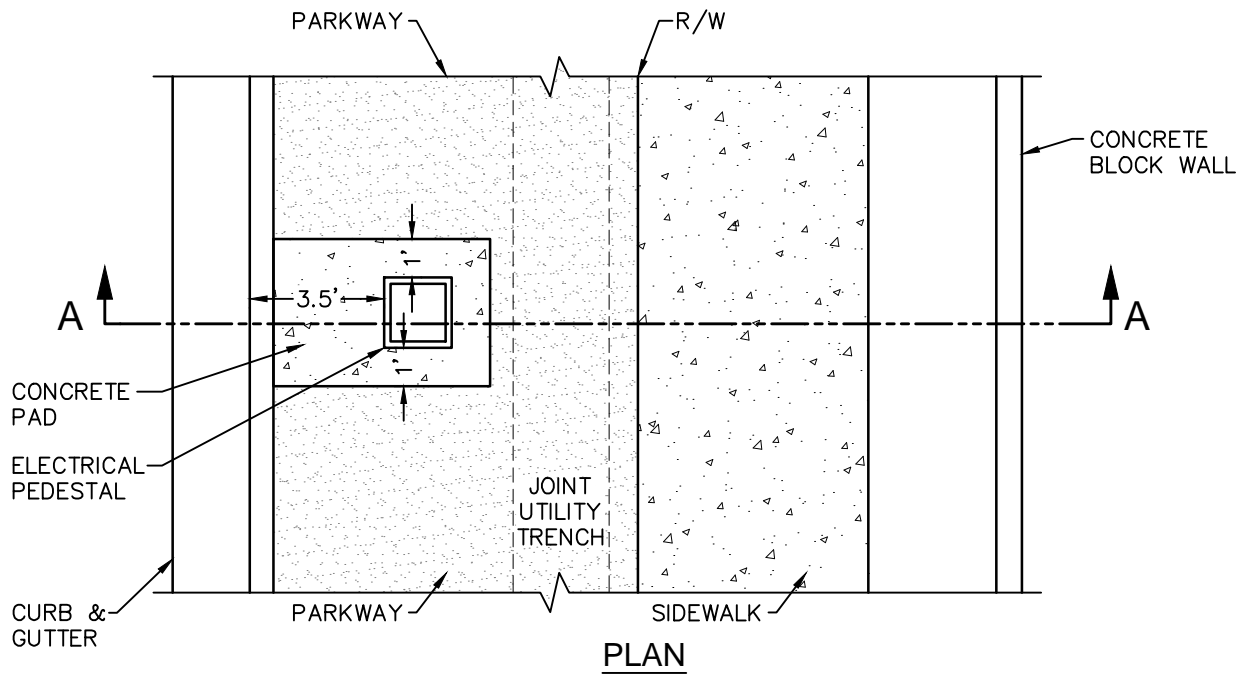
ENCLOSURE CONSTRUCTION NOTES:

1. EXTERIOR, 1/8" ALUMINUM, AND INTERIOR 14 GA COLD ROLLED STEEL, ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
2. CONSTRUCTION WILL BE NEMA 3R, RAIN-TIGHT.
3. ALL NUTS, BOLTS AND SCREWS WILL BE STAINLESS STEEL.
4. NUTS, BOLTS & SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
5. NAMEPLATES WILL BE PROVIDED AS REQUIRED.
6. CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
7. A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
8. ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA AND UL 508A STANDARDS.
9. COLOR TO BE: ANODIZED ALUMINUM
10. CONDUIT FROM SOUTHERN CALIFORNIA EDISON (SCE) POINT OF SERVICE SHALL BE 3" SCH. 80 PVC WITH A PULL ROPE PER SCE STANDARDS.
11. METER PEDESTAL SHALL CONFORM TO EUSERC DRAWING NO. 308.

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CITY OF VISALIA DESIGN & IMPROVEMENT STANDARDS

<h1>STREETLIGHT METER PEDESTAL</h1> <h2>TYPE III-BF</h2>	REVISIONS 08/22/16 BK 2016	SL-9



NOTES:

1. ALL CONCRETE SHALL BE CLASS 3 CONCRETE.
2. A PLASTIC COVERED SET OF ELECTRICAL PLANS SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.

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**CITY OF VISALIA
 DESIGN & IMPROVEMENT STANDARDS**

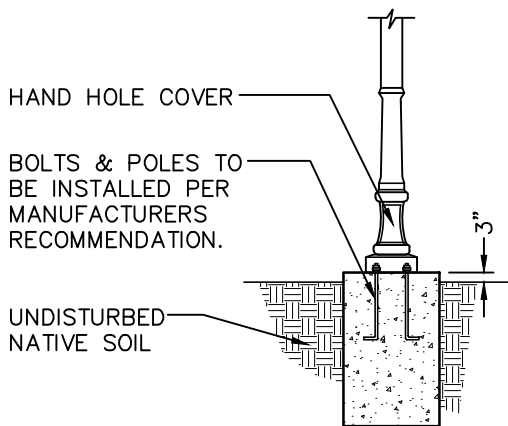
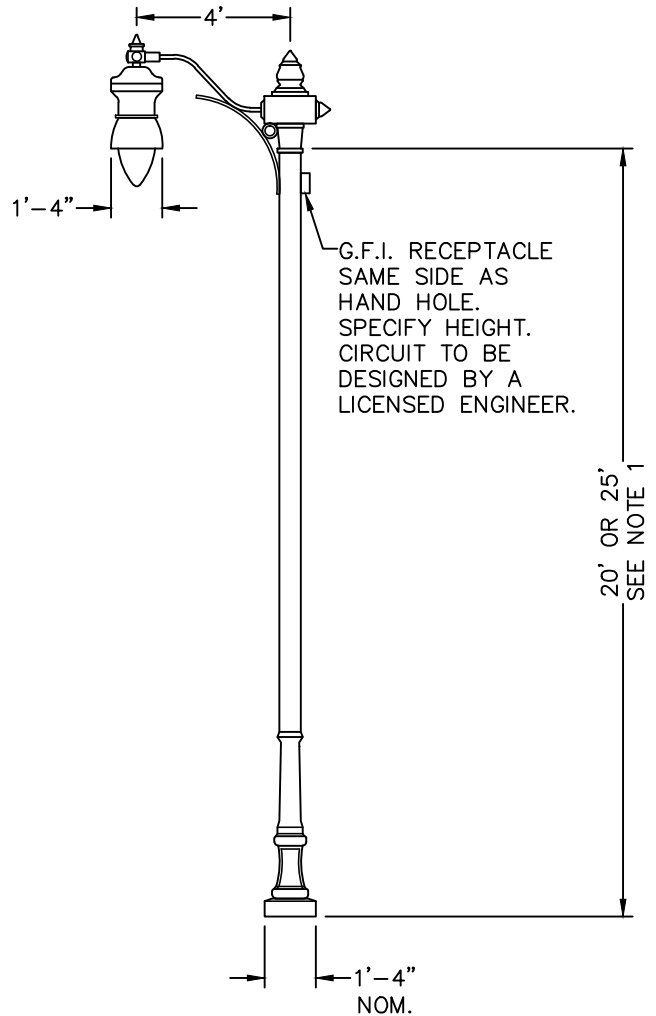
**ELECTRICAL PEDESTAL LOCATION FOR
 COLLECTOR AND ARTERIAL STREETS**

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 08/23/16
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SL-10

NOTES:

1. DOWNTOWN AND TRANSIT AREA STREET LIGHT HEIGHT WILL BE 25'. RESIDENTIAL STREET LIGHT HEIGHT WILL BE 20'.
2. MEDIAN STREET LIGHTS WILL BE DUAL HEAD.
3. POLE SHALL BE STEEL.
4. MANUFACTURER AND MODEL NUMBER SHALL BE PROVIDED TO THE CITY FOR REVIEW. VISUAL CHARACTERISTICS SHALL BE SIMILAR TO POLES CURRENTLY EXISTING IN THE CITY OF VISALIA.
5. LUMINAIRE SHALL BE LED.
6. USE OF ORNAMENTAL STREETLIGHTS IS RESTRICTED AND SHALL BE APPROVED BY THE CITY ENGINEER.
7. FOR FOUNDATION INFORMATION SEE STREETLIGHT FOUNDATION STANDARD DRAWING.



SECTION

ELEVATION

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CITY OF VISALIA
 DESIGN & IMPROVEMENT STANDARDS

ORNAMENTAL STREETLIGHT 1 OF 2

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SPECIFICATIONS

LUMINAIRE: SEALED LED OPTICAL MODULE, LOW COPPER A356 ALLOY (<0.2% COPPER) CAST ALUMINUM HOUSING. TOP AND BOTTOM ARE HINGED FOR ACCESS WITH SEPARATE DRIVER AND LED COMPARTMENTS.

VLED OPTICAL MODULE: SEALED LED OPTICAL MODULE, LOW COPPER A356 ALLOY (<0.2% COPPER) CAST ALUMINUM HOUSING, INTEGRATED CLEAR PRISMATIC BOROSILICATE GLASS REFRACTOR SEALED WITH A CONTINUOUS SILICONE GASKET. ENTIRE MODULE MUST MEET IP67 RATING.

VLED EMITTERS AND OPTICS: 80 LUXEON T EMITTERS (LED'S) DRIVEN AT 525 mA FOR 132 TOTAL INPUT WATTS. HIGH OUTPUT, NEUTRAL WHITE NOMINAL 4000K CCT FOR THE ENTIRE MODULE. EACH EMITTER TO BE OPTICALLY CONTROLLED BY A REFLECTOR-PRISM INJECTION MOLDED FROM H12 ACRYLIC. REFLECTOR-PRISMS TO BE ARRAYED TO PRODUCE IES TYPE III LIGHT DISTRIBUTION. OPTICAL MODULE TO BE FIELD ROTABLE IN THE LUMINAIRE.

VLED DRIVER: CONSTANT CURRENT LED DRIVER OPERATES ON INPUT VOLTAGES FROM 120-277 V., 50/60 Hz. FACTORY WIRED DRIVER TO BE INDEPENDENTLY SEALED AND UL LISTED FOR WET LOCATIONS. 20 KA SURGE PROTECTOR WITH "ON" LED OPERATIONAL INDICATER AND END OF LIFE OPEN CIRCUIT PROTECTION FOR LUMINAIRE.

ARM: DURABLE CORROSION RESISTANT, ALUMINUM CONSTRUCTION.

SHAFT: 16 SHARP FLUTE, ROUND TAPERED STEEL SHAFT WITH 7.0" BUTT TAPERING TO 3.5" TOP (11 GAGE). MINIMUM YIELD STRENGTH 55,000 P.S.I. HAND HOLE WITH COVER AT 20" FROM BOTTOM OF BASE PLATE. SHAFT TO BE PROVIDED WITH 42" SMOOTH BOTTOM SECTION.

ANCHOR BASE: FABRICATED FROM STRUCTURAL QUALITY HOT ROLLED STEEL. BASE TELESCOPES AND TO BE CIRCUMFERENTIALLY WELDED TO SHAFT.

BASE COVER: TWO PIECE WRAPAROUND, CORROSION RESISTANT, DURABLE CAST ALUMINUM CONSTRUCTION. MINIMUM 0.250 WALL THICKNESS. BASE CONSISTS OF A SMOOTH TAPERED BOTTOM SECTION AND A DECORATIVE TAPERED FLUTED SECTION WITH EVENLY SPACED RAISED VERTICAL FLUTES. BASE TO BE FURNISHED WITH A CONTOURED, FLUTED FLUSH HAND HOLE AND COVER. HAND HOLE COVER TO INCLUDE TAMPER RESISTANT HARDWARE. (4) 1/4" - 20 SET SCREWS PROVIDED TO SECURE DECORATIVE BASE TO SHAFT.

ANCHORAGE: (4) 1" X 36" ANCHOR BOLT, EACH SUPPLIED WITH TWO NUTS AND TWO WASHERS.

FINISH: FIXTURE, ARM, AND BASE: POLYESTER POWDER COAT. (COLOR: GREEN TEXTURED, RAL-6005-T) OR APPROVED EQUAL.
POLE ASSEMBLY: POLYESTER POWDER COAT. (COLOR: GREEN, SMOOTH, RAL-6005) OR APPROVED EQUAL.

APPROVED BY:  CITY ENGINEER R.P.E. 81734	CITY OF VISALIA DESIGN & IMPROVEMENT STANDARDS	
ORNAMENTAL STREETLIGHT 2 OF 2	REVISIONS 09/15/16 BK 2016	SL-12