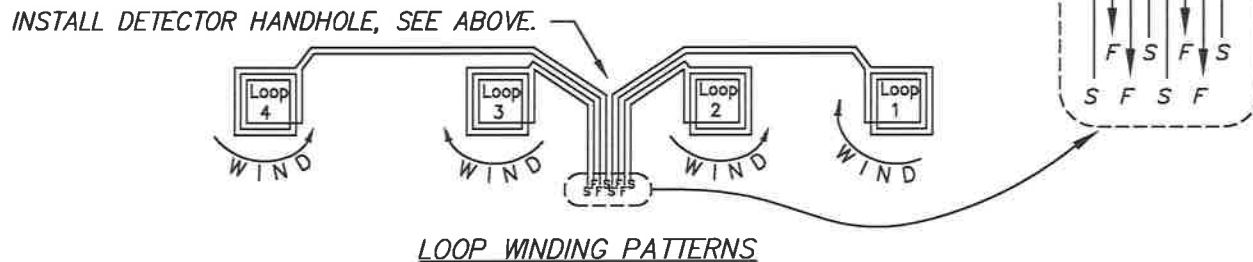
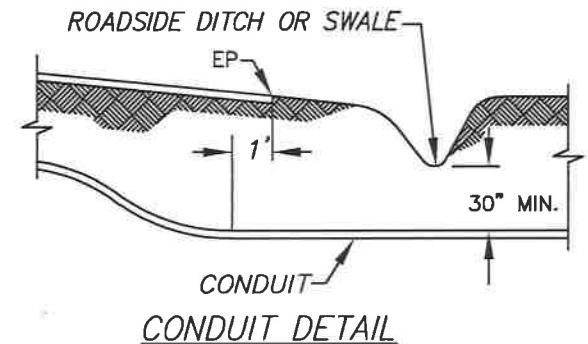
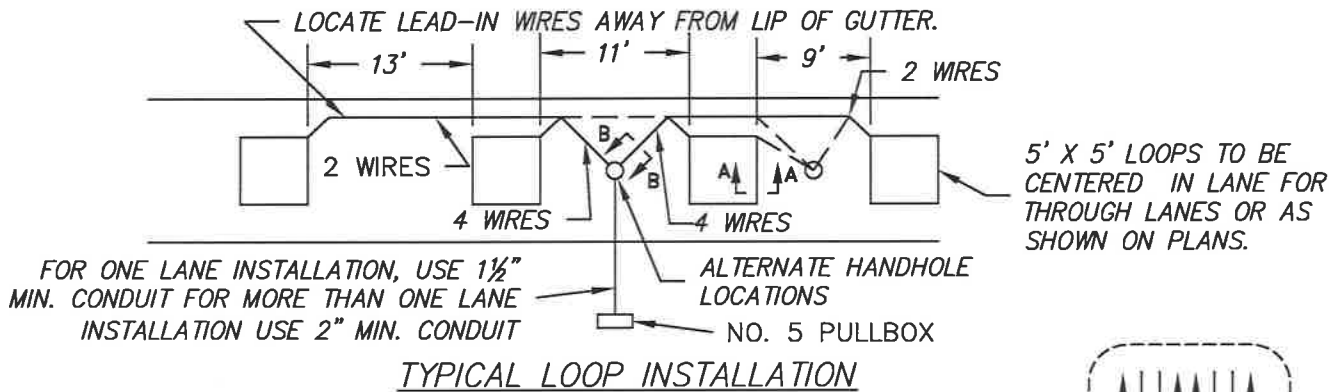
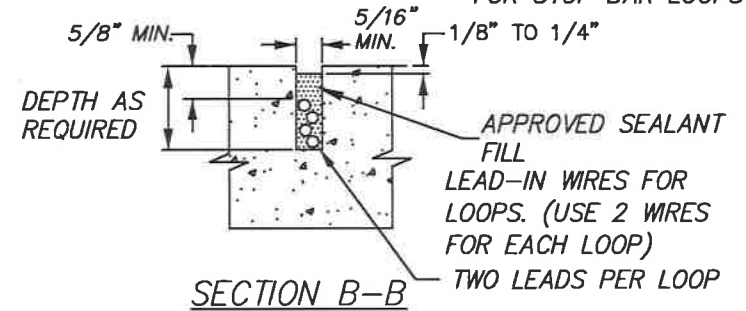
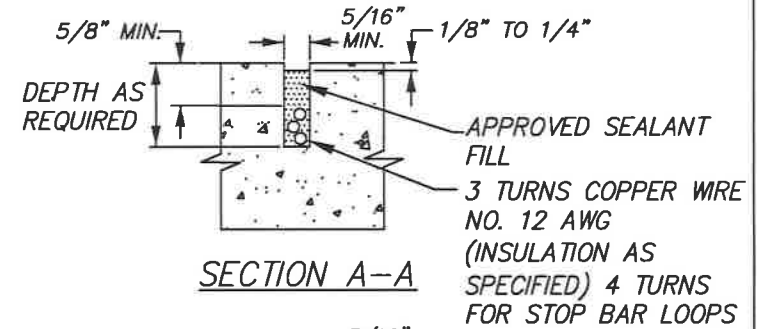


## LOOP INSTALLATION PROCEDURE

1. TEST EACH LOOP CIRCUIT AT CONTROLLER CABINET (OR, IF THESE ARE NOT INSTALLED, TEST AT TERMINATION PULL BOX) BEFORE FILLING SLOTS. PERFORM A RESISTANCE TEST BETWEEN EACH CIRCUIT AND GROUND. INSULATION RESISTANCE SHALL NOT BE LESS THAN 100 MEGA OHMS. TEST EACH LOOP CIRCUIT FOR CONTINUITY. LOOP CIRCUIT RESISTANCE SHALL NOT EXCEED 0.5 OHMS PLUS 0.35 OHMS PER 100 FEET OF LEAD-IN CABLE.
2. DISTANCE BETWEEN SIDE OF LOOP AND LEAD-IN SAW CUT SHALL BE 1' MINIMUM.
3. WIDTH OF SAW CUTS SHALL BE 1/8" TO 3/16" WIDER THAN THICKNESS OF THE CONDUCTOR.
4. DEPTH OF SAW CUTS SHALL BE SUCH THAT THE MINIMUM SEALANT COVER SHALL BE 1/2" WITH AN ADDITIONAL 1/8" TO 1/4" GAP BETWEEN TOP OF SEALANT AND SURFACE OF PAVEMENT.
5. LOOPS AND LEAD-IN CUTS SHALL BE LOCATED A MINIMUM OF 2 FEET FROM THE NEAREST EDGE OF MANHOLE COVER AND VALVE BOXES.
6. LOOP INSTALLATION 250' OR MORE FROM STOP BAR SHALL HAVE 4 TURNS.
7. SEE STATE STANDARD DRAWING ES - 5A FOR ADDITIONAL DETAILS.



CONDUCTOR IDENTIFICATION SHALL INCLUDE THE FOLLOWING:

1. SENSOR NUMBER AND PHASE
2. LOOP NUMBER
3. START (S) OR FINISH (F)
2. SEE DWG. LS-02 FOR PLACEMENT OF LOOPS.
3. STOP BAR LOOPS REQUIRE 4 TURNS INSTEAD OF 3 AND A SEPARATE DLC.
4. MODIFIED TYPE D LOOP REQUIRE 3 TURNS ONLY. SEE DWG. SL-02 FOR LOCATION.

CITY OF FOLSOM

LOOP DETECTORS

SCALE: NONE  
DATE: FEBRUARY 2020

SL-01

THROUGH LANE ON  
ARTERIALS OR  
THOROUGHFARES

LEFT TURN LANE  
ON ARTERIALS OR  
THOROUGHFARES

THROUGH OR LEFT  
TURN LANE ON  
COLLECTORS

RIGHT TURN LANE  
(SEE NOTE 1)

BIKE LANES

CROSSWALK

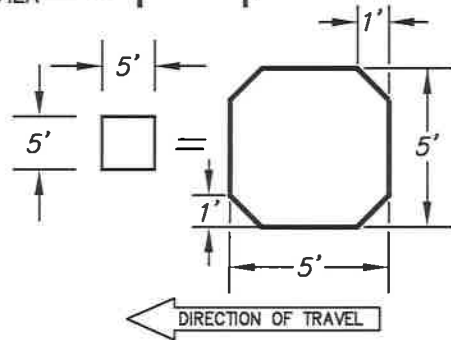
(SEE TABLE 1)

(SEE DETAILS 1 & 2A)

DESIGN SPEED (MPH)	DISTANCE (FEET)
40	250
45	300
50	350
55	400
60	450

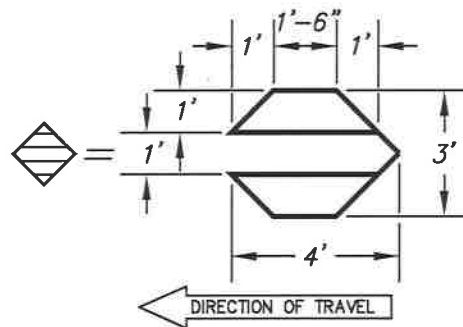
**NOTES:**

1. FIRST LOOP SHALL BE TYPE "D" PER DETAIL 2B.
2. LOOP DETECTORS ON RIGHT TURN LANES ARE NOT NECESSARY FOR ARTERIAL OR THOROUGHFARE STREETS WHERE THE CROSS STREET IS A COLLECTOR.
3. SEE SL-01 FOR LOOP WINDING REQUIREMENTS.



MODIFIED TYPE A DETECTOR LOOP  
PER SL-01 & CALTRANS  
STANDARD PLAN ES-5A

DETAIL 1



MODIFIED TYPE D DETECTOR LOOP  
PER SL-01 & CALTRANS STANDARD  
PLAN ES-5B

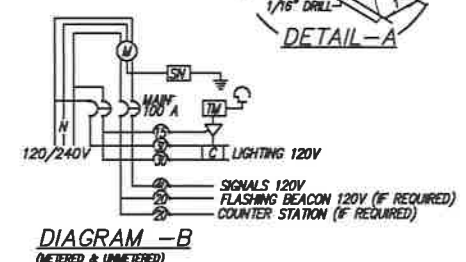
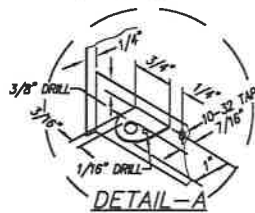
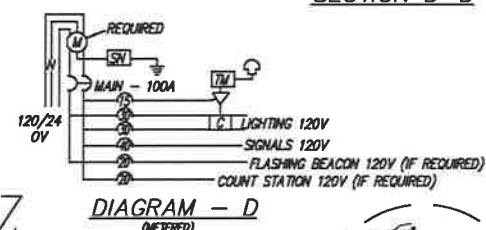
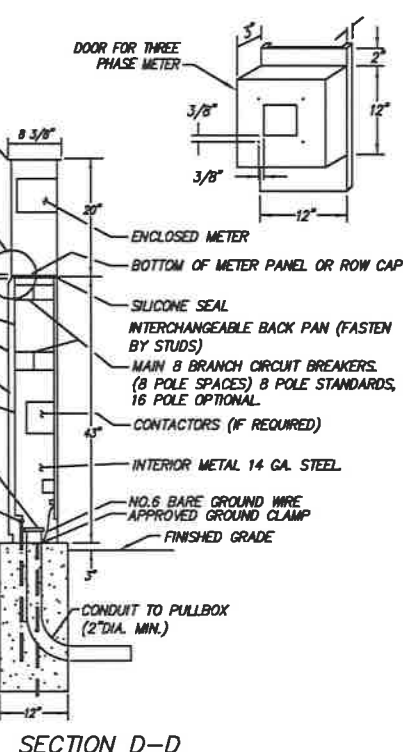
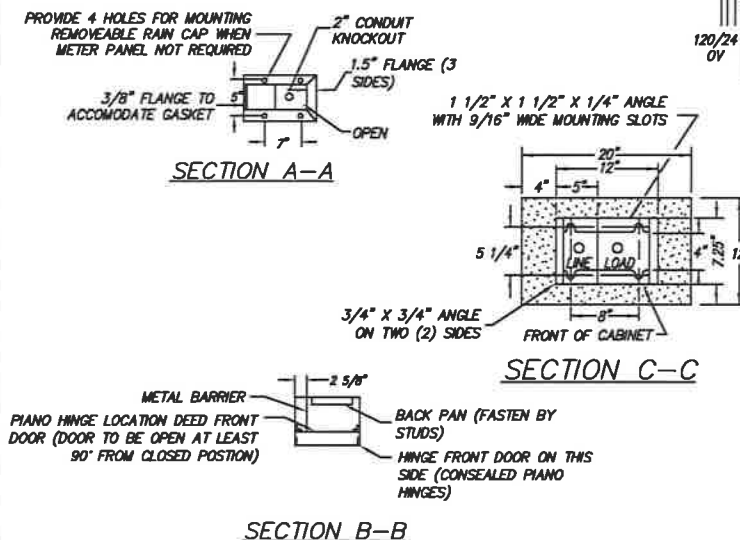
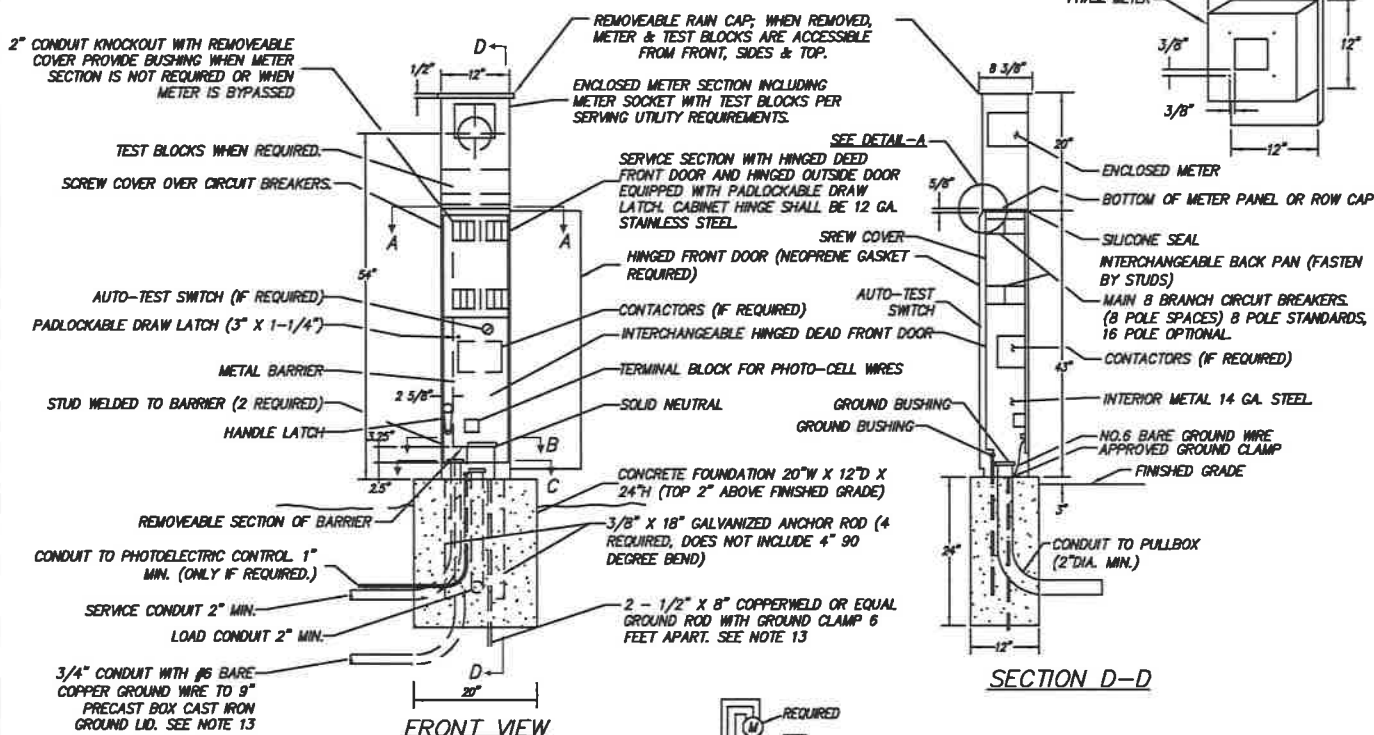
DETAIL 2B

CITY OF FOLSOM

LOOP DETECTOR LOCATION

SCALE: NONE  
DATE: FEBRUARY 2020

SL-02



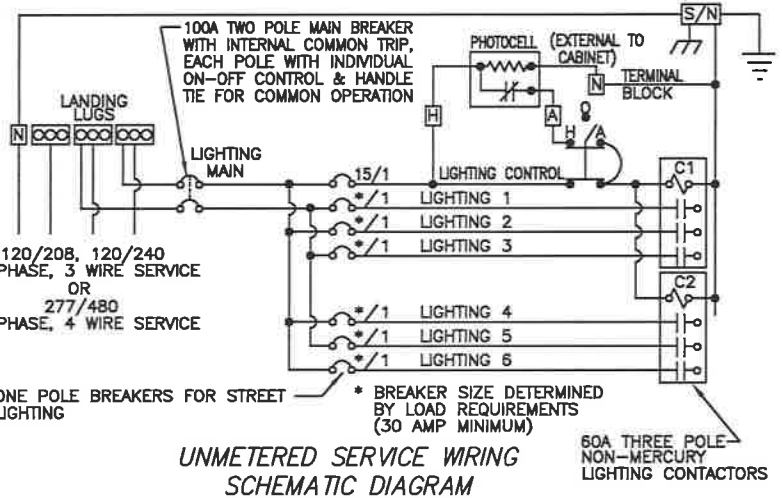
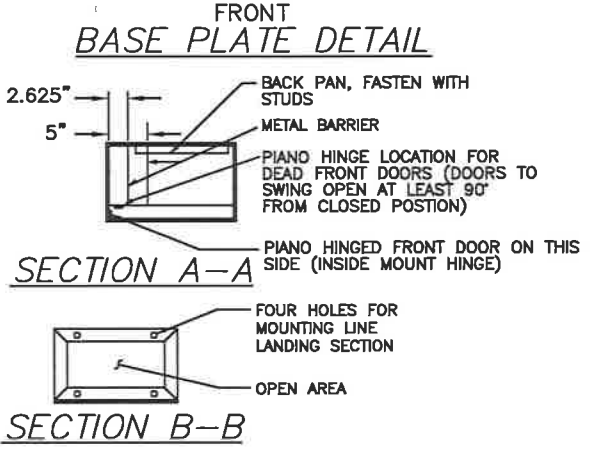
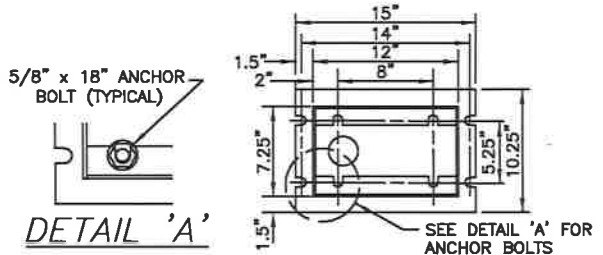
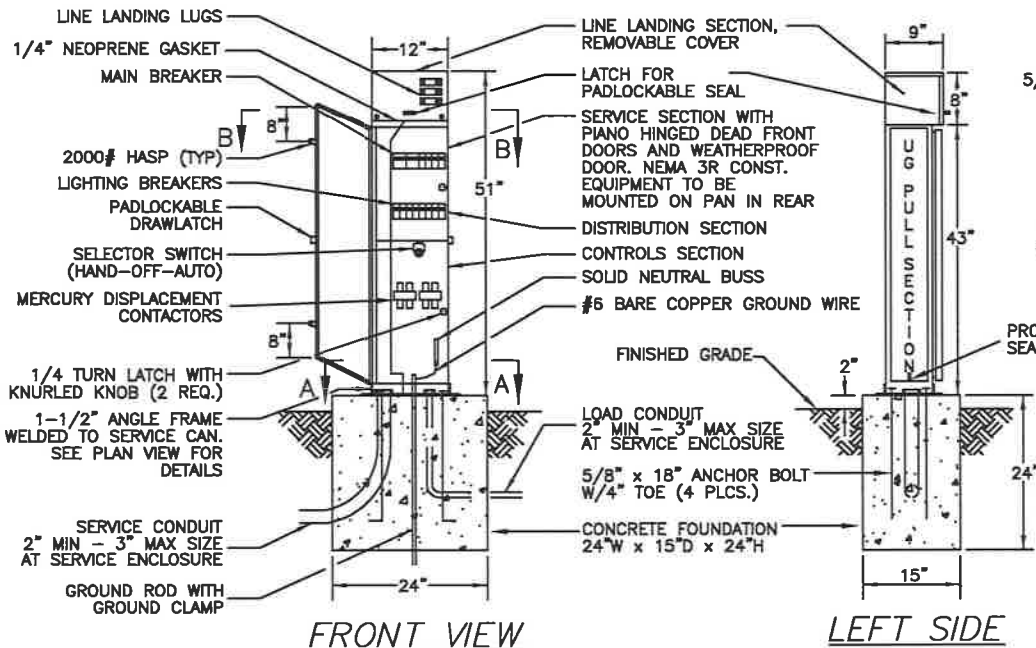
**NOTES:**

- SERVICE PEDESTAL SHALL CONFORM TO THE PROVISIONS IN SECTIONS 96-2 11 "SERVICE" OF THE STATE OF CALIFORNIA
- SEE PLANS FOR CONDUIT AND WIRE SIZE
- PAINT SERVICE CAN AND METER SECTION.
- SERVICE EQUIPMENT CABINETS SHALL BE PRE-WIRED AND SHALL CONFORM TO N.E.M.A. CLASS II C STANDARDS.
- ALL CONTROL WIRING SHALL BE AWG 14 PED TW 19 STRAND WIRE UNLESS OTHERWISE NOTED.
- EACH SERVICE EQUIPMENT CABINET SHALL BE PROVIDED WITH "PHENOLIC" NAME PLATE ON THE DEAD FRONT PANEL FOR EACH BREAKER INSTALLED. ALL NAME PLATES TO BE SCREWED ON.
- A PLASTIC COATED WIRING DIAGRAM SHALL BE PROVIDED AND ATTACHED TO THE INSIDE OF THE FRONT DOOR.
- ALL SERVICE EQUIPMENT CABINETS SHALL BE NEMA 3-R AND NEMA 12 CONSTRUCTION.
- FACTORY BUSSED (300 AMP.) UNDERGROUND PULL SECTION WITH ALUMINUM BODIED LANDING LUGS WITH MULTIPLE SECONDARY LUGS FOR PREWIRED METERED AND UNMETERED CIRCUITS.
- DIAGRAM B-THE SERVICE EQUIPMENT CABINET SHALL BE SPLIT BUSSED TO PERMIT METERED AND UNMETERED BRANCH CIRCUITS.
- DIAGRAM A, B, C-FOR SMALLER SERVICE THAN SHOWN. THE UNUSED COMPONENTS SHALL NOT BE REQUIRED
- A SINGLE GROUND ROD IS PERMITTED WHERE A LETTER CERTIFYING THE ELECTRODE WAS TESTED TO HAVE 25 OHMS OF LESS RESISTANCE TO EARTH CEC250.53

**WIRING DIAGRAM SYMBOLS**

- Ⓜ METER SECTION WITH MANUAL CIRCUIT CLOSING DEVICE
- Ⓛ CONTACTOR (LIGHTING) - 30A
- ⓁⓁ ELECTRICALLY HELD CONTACTOR-30A
- Ⓣ TRANSFORMER
- ⓈⓃ SOLID NEUTRAL BUS
- ⓂⓈ AUTO-TEST SWITCH
- Ⓟ PHOTOELECTRIC UNIT (BY OTHERS)
- ⓉⓈ TERMINAL BLOCK FOR PHOTOCCELL WIRES

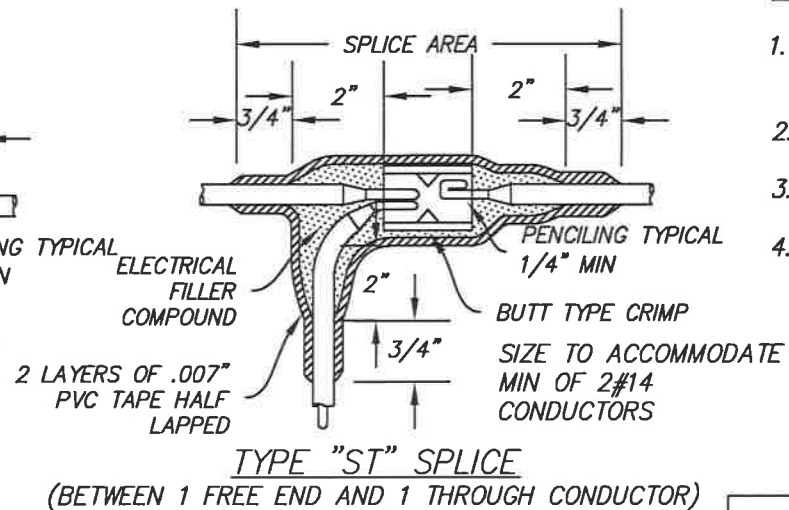
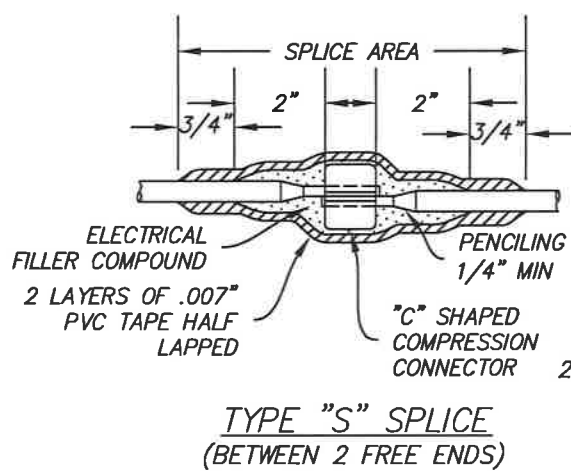
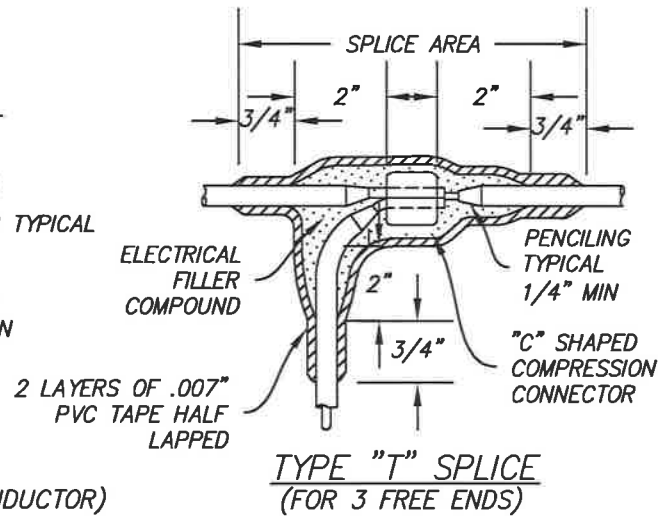
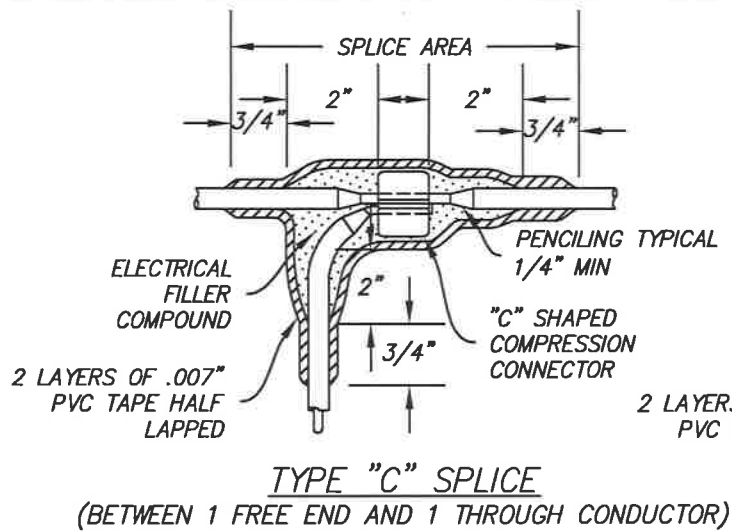
<b>CITY OF FOLSOM</b>	
<b>SERVICE CABINET AND METER SOCKET</b>	
SCALE: NONE	SL-03
DATE: FEBRUARY 2020	



**NOTES:**

1. EXTERIOR SHALL BE 14 GAUGE #304D STAINLESS STEEL. INTERIOR DEAD FRONT PANEL AND BACK PAN SHALL BE 14 GAUGE STEEL, PAINTED WHITE. ENCLOSURE SHALL BE ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
2. CONSTRUCTION SHALL BE NEMA 3R AND 12, RAIN TIGHT AND DUST TIGHT.
3. ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
4. NUTS, BOLTS AND SCREWS SHALL NOT BE USED ON THE OUTSIDE OF THE SERVICE ENCLOSURE.
5. PHENOLIC NAMEPLATES SHALL BE USED TO IDENTIFY ALL OPERATOR CONTROLS.
6. CONTROL WIRING SHALL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
7. A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
8. SERVICE ENCLOSURE SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
9. SERVICE ENCLOSURE SHALL BE U.L. LISTED AS INDUSTRIAL CONTROL PANELS U.L. 508 FILE NO. E62062.
10. WIRING BETWEEN CIRCUIT BREAKER AND CONTACTOR SHALL BE #6 THWN OR THHN MINIMUM.
11. SERVICE ENCLOSURE SHALL BE OF TWO-PIECE CONSTRUCTION.
12. THE WIRING SCHEMATIC DIAGRAM AS SHOWN IS FOR A 2-WIRE STREET LIGHTING SYSTEM. IF THE SERVICE ENCLOSURE WILL BE USED FOR A 3-WIRE STREET LIGHTING SYSTEM, THEN THE LIGHTING BREAKERS SHALL CONSIST OF 2-POLE BREAKERS WITH INTERNAL COMMON TRIP, EACH POLE WITH INDIVIDUAL ON-OFF CONTROL AND HANDLE TIE FOR COMMON OPERATION. FOR EACH 2-POLE BREAKER, THE CIRCUIT LOAD SHALL BE EQUALLY DIVIDED ACROSS THE LIGHTING MAIN.
13. SEE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.

<b>CITY OF FOLSOM</b>	
<b>UNMETERED SERVICE ENCLOSURE (120/208V 120/240V, 277/480V)</b>	
SCALE: NONE DATE: FEBRUARY 2020	SL-04



### INSULATING METHOD

#### LOW VOLTAGE CIRCUITS (0-600 VOLTS) METHOD "B"

1. COMPLETELY COVER THE SPLICE AREA WITH ELECTRICAL INSULATING COATING AND ALLOW TO DRY.
2. APPLY 2 LAYERS OF ELECTRICAL INSULATING PAD WITH MINIMUM THICKNESS OF 4MM EACH LAYER OR 2 LAYERS, HALF LAPPED, SYNTHETIC OIL RESISTANT, SELF FUSING RUBBER TAPE.
3. APPLY 3 LAYERS HALF LAPPED POLYVINYL CHLORIDE TAPE.
4. COVER ENTIRE SPLICE WITH ELECTRICAL INSULATING COATING AND ALLOW TO DRY.

#### HIGH VOLTAGE CIRCUITS (OVER 600 VOLTS)

1. COMPLETELY COVER THE SPLICE AREA WITH ELECTRICAL INSULATING COATING AND ALLOW TO DRY.
2. APPLY HIGH VOLTAGE TAPE TO A MINIMUM THICKNESS EQUAL TO ORIGINAL INSULATION.
3. APPLY 3 LAYERS HALF LAPPED POLYVINYL CHLORIDE TAPE.
4. COVER ENTIRE SPLICE WITH ELECTRICAL INSULATING COATING AND ALLOW TO DRY.

### NOTES

1. ALL DIMENSIONS ARE NOMINAL AND MINIMAL.
2. RUBBER TAPES SHALL BE ROLLED AFTER APPLICATION.
3. WHEN PVC TAPE IS USED AS FINAL LAYER, PAINT FINISHED SPLICE WITH ELECTRICAL INSULATING COATING.
4. PRESSURE SLEEVE TYPE CONNECTORS MAY BE USED FOR TYPE "S" AND "T" SPLICES.

CITY OF FOLSOM

STANDARD SPLICING

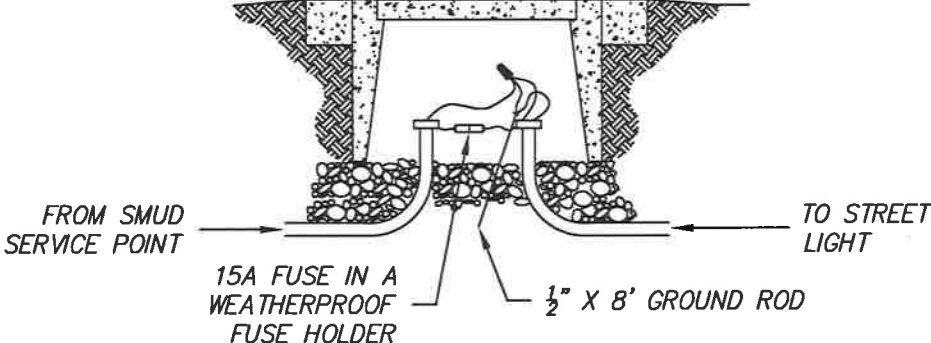
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DATE: FEBRUARY 2020

SL-05

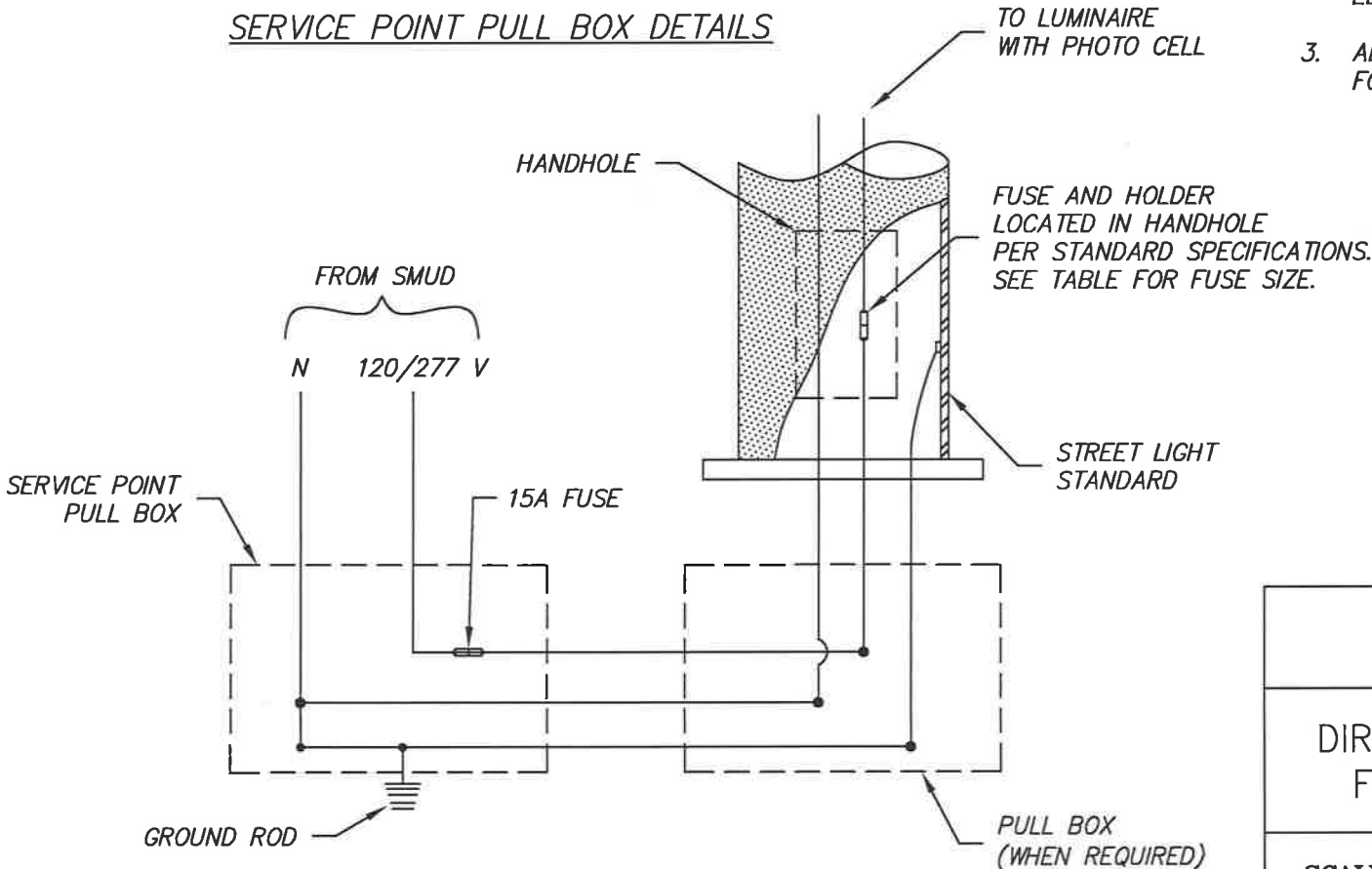
LAMP WATTAGE	FUSE SIZE
200 WATT OR LESS	6 AMP
250 WATT-400 WATT	10 AMP

**NOTES:**

1. FUSE SHALL BE A MIDGET FERRULE TYPE. RATED AT 600 VOLTS.
2. ATTACH GROUND CONDUCTOR TO THE ELECTROLIER.
3. ALL PULL BOXES SHALL HAVE PROVISIONS FOR LOCKING.



SERVICE POINT PULL BOX DETAILS



WIRING DIAGRAM

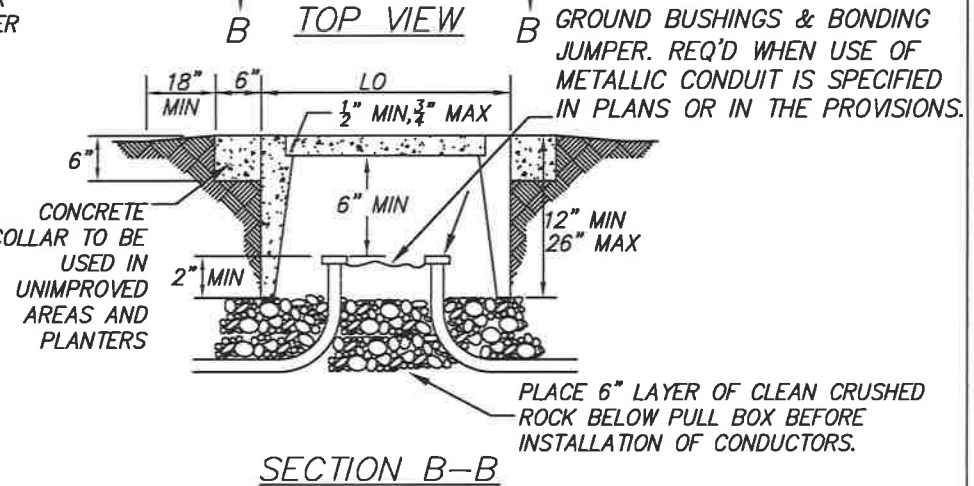
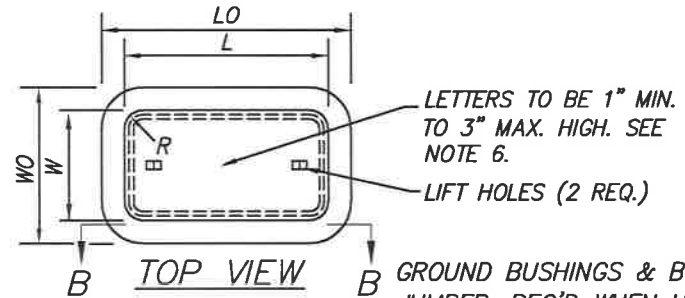
<b>CITY OF FOLSOM</b>	
DIRECT SERVICE INSTALLATION FOR STREET LIGHT POWER	
SCALE: NONE DATE: FEBRUARY 2020	SL-06

PULL BOX No.	REINFORCED CONCRETE BOX				COMPOSITE BOX		REINFORCED CONCRETE OR COMPOSITE COVER				
	MIN.** THICKNESS	MIN. DEPTH BOX AND EXTENSION	LO	WO	MIN.** THICKNESS	MIN. DEPTH BOX & EXTENSION	L***	W***	R	EDGE THICKNESS	EDGE TAPER
3-1/2	1"	NO EXTENSION	20"	14"	5/16"	NO EXTENSION	15-3/8"	10-1/8"	1-1/8"	1-3/4"	1/8"
5	1"	22"	28"	18"	5/16"	20"	23-1/2"	13-3/4"	1-1/4"	2"	1/8"
5A	1"	22"	25-1/4"	15-3/4"	5/16"	20"	20-5/8"	10-1/2"	1-1/4"	2"	1/8"
6	1-1/2"	24"	36"	23"	3/8"	20"	30-5/8"	17-5/8"	1-1/4"	2"	1/8"

\*\* EXCLUDING CONDUIT WEB      \*\*\* TOP DIMENSION

**NOTES:**

- IN UNIMPROVED AREAS AND PLANTERS, THE TOP OF PULL BOXES SHALL BE PLACED 0.10 FOOT ABOVE THE SURROUNDING GRADE OR, WHEN ADJACENT TO A CURB, FLUSH WITH THE TOP OF THE CURB. THE SURROUNDING GRADE SHALL BE RAMPED UP TO MATCH THE TOP OF THE CONCRETE COLLAR. UNLESS OTHERWISE NOTED, AND WHERE PRACTICAL, PULL BOXES SHOWN IN THE VICINITY OF CURBS SHALL BE PLACED ADJACENT TO THE BACK OF CURB, AND PULL BOXES SHOWN ADJACENT TO STANDARDS SHALL BE PLACED ON THE SIDE OF THE FOUNDATION FACING AWAY FROM TRAFFIC.
- IN SIDEWALK AREAS, THE TOP OF PULL BOXES SHALL BE FLUSH WITH THE SIDEWALK GRADE.
- PLACEMENT OF PULL BOXES IN AREAS SUBJECT TO VEHICULAR TRAFFIC LOADS (INCLUDES TRAFFIC LANES, BIKE LANES, SHOULDERS, AND DRIVEWAYS) SHALL BE AVOIDED WHENEVER POSSIBLE. IF UNAVOIDABLE, THEN A TRAFFIC RATED PULL BOX WITH STEEL TRAFFIC COVER SHALL BE USED. SEE STANDARD DETAIL SL-08.
- PULL BOXES SHALL NOT BE PLACED WITHIN THE BOUNDARIES OF SIDEWALK RAMPS.
- PULL BOXES SHOULD NOT BE PLACED WITHIN PLANTER AREAS WHENEVER POSSIBLE.
- PULL BOX COVERS SHALL BE MARKED AS FOLLOWS:
  - "TRAFFIC SIGNAL" TRAFFIC SIGNAL CIRCUITS WITH OR WITHOUT STREET LIGHTING CIRCUITS.
  - "STREET LIGHTING" STREET LIGHTING CIRCUITS WHERE NO VOLTAGE IS ABOVE 600V.
  - "STREET LIGHTING-HIGH VOLTAGE" STREET LIGHTING CIRCUITS WHERE VOLTAGE IS ABOVE 600V.
  - "SERVICE" SERVICE CIRCUITS BETWEEN SERVICE POINT AND SERVICE DISCONNECT.
  - "SPRINKLER CONTROL" SPRINKLER CONTROL CIRCUITS, 50 VOLTS OR LESS.
  - "IRRIGATION" CIRCUITS TO IRRIGATION CONTROLLER, 120 VOLTS OR MORE.
  - "RAMP METER" RAMP METER CIRCUITS.
  - "COUNT STATION" COUNT AND/OR SPEED MONITOR CIRCUITS.
  - "COMMUNICATION" COMMUNICATION CIRCUITS.
  - "TELEPHONE" TELEPHONE SERVICE.
  - "TOS COMMUNICATIONS" TOS COMMUNICATIONS TRUNK LINE.
  - "TOS POWER" TOS POWER.
  - "TDC POWER" TELEPHONE DEMARCATION CABINET POWER.
- COVERS SHALL FIT FLUSH WITH THE TOP OF PULL BOXES. THERE SHALL BE 1/8" MAXIMUM CLEARANCE ALL AROUND BETWEEN COVERS AND PULL BOX OPENINGS.
- ALL COVERS AND BOXES SHALL BE INTERCHANGEABLE WITH CALIFORNIA STANDARD MALE AND FEMALE GAUGES. WHEN INTERCHANGED WITH A STANDARD MALE OR FEMALE GAUGE, THE TOP SURFACES SHALL BE FLUSH WITHIN 1/8 INCH.
- ALL COVERS AND BOXES SHALL BE INTERCHANGEABLE WITH CALIFORNIA STANDARD MALE AND FEMALE GAUGES. WHEN INTERCHANGED WITH A STANDARD MALE OR FEMALE GAUGE, THE TOP SURFACES SHALL BE FLUSH WITHIN 1/8 INCH.
- STACKING OF PULL BOXES IS PERMITTED (TWO PULL BOXES MAXIMUM).
- STEEL REINFORCING SHALL BE AS REGULARLY USED IN THE STANDARD PRODUCTS OF THE RESPECTIVE MANUFACTURER.



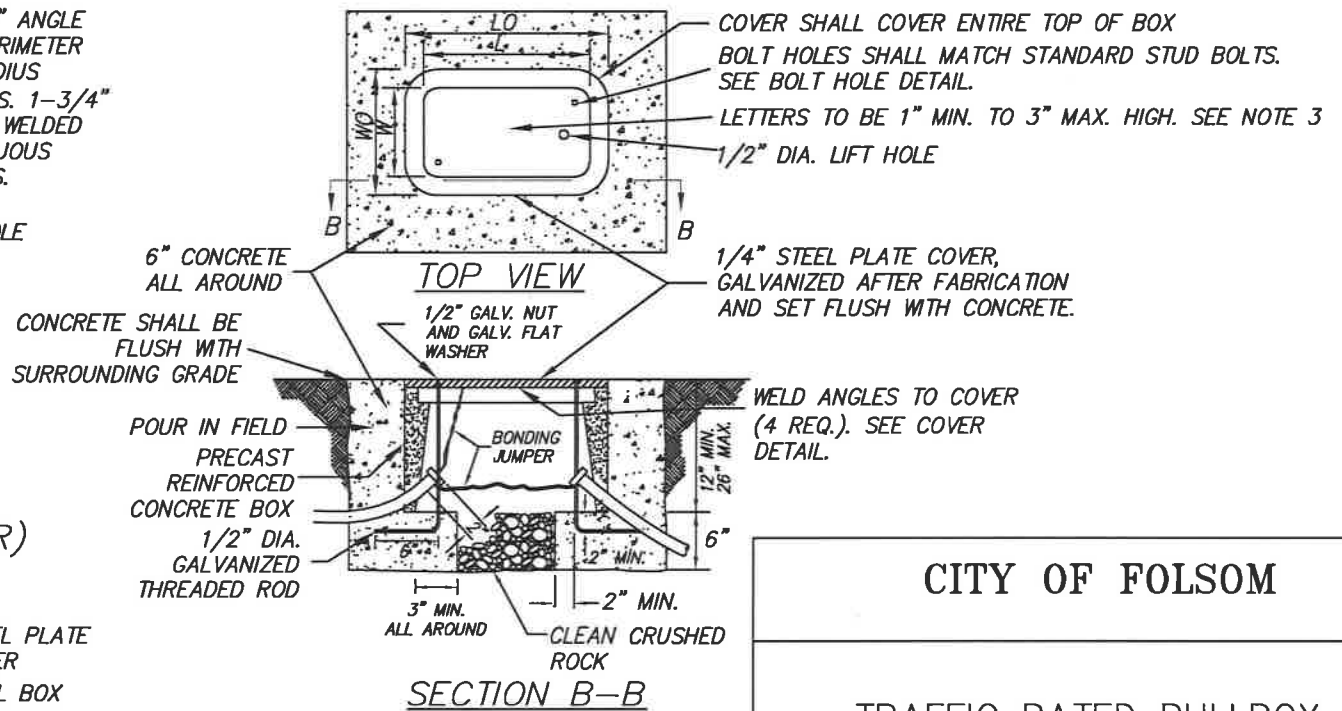
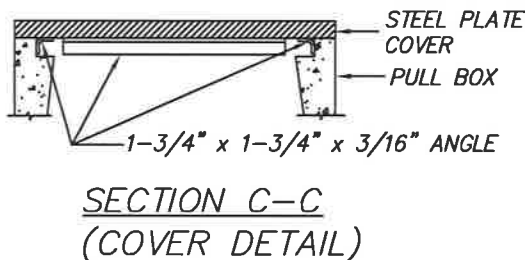
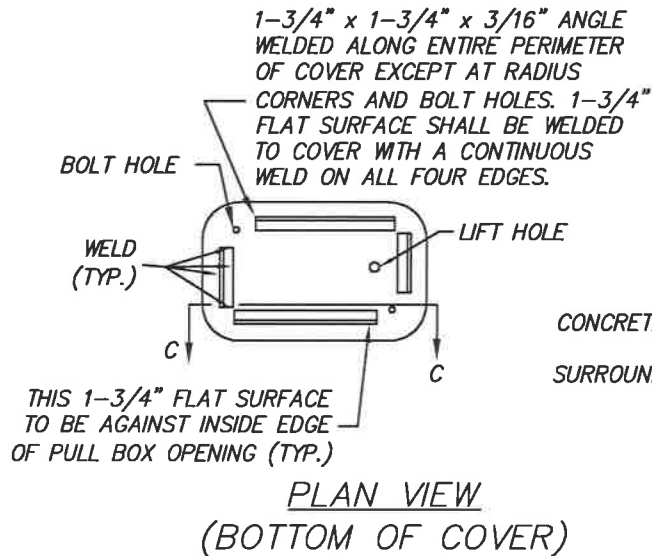
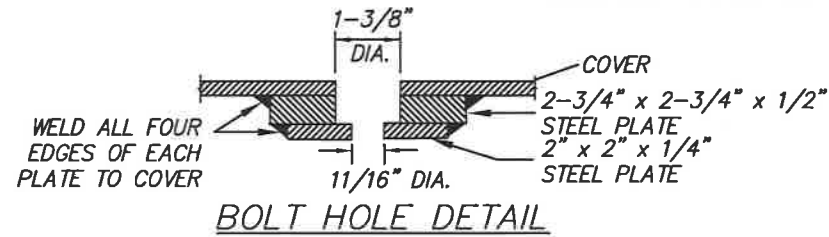
CITY OF FOLSOM	
STANDARD PULLBOX	
SCALE: NONE DATE: FEBRUARY 2020	SL-07

**NOTES:**

1. STEEL COVER SHALL HAVE EMBOSSED NON-SKID PATTERN.
2. STEEL REINFORCING SHALL BE AS REGULARLY USED IN THE STANDARD PRODUCTS OF THE RESPECTIVE MANUFACTURER.
3. PULL BOX COVERS SHALL BE MARKED AS DESCRIBED IN NOTE 6 ON STANDARD DRAWING 5-34. MARKING SHALL BE APPLIED TO EACH COVER PRIOR TO GALVANIZING BY BEAD WELDING THE LETTERS ON THE COVERS. THE LETTERS SHALL BE RAISED AT LEAST 3/32 INCH.
4. BONDING JUMPER FOR COVER SHALL BE A MIN. OF 36" LONG. WHEN NON-METALLIC CONDUIT IS USED, THE BONDING JUMPER FOR THE COVER SHALL BE SPLICED TO THE BOND WIRE IN THE CONDUITS. WHEN THE USE OF METALLIC CONDUIT IS SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, THE BONDING JUMPER FOR THE COVER SHALL BE CONNECTED TO THE CONDUIT GROUND BUSHING, AND THE CONDUITS SHALL BE BONDED TOGETHER WITH GROUND BUSHINGS AND A BONDING JUMPER.
5. CONDUITS SHALL ENTER AT BOTTOM OF PULL BOX AS SHOWN IN THE DRAWING.

PULL BOX No.	REINFORCED CONCRETE BOX					
	MIN.** THICKNESS	MIN. DEPTH BOX AND EXTENSION	LO	WO	L	W
3-1/2	1"	NO EXTENSION	20"	14"	15-1/2"±	10"±
5	1"	22"	28"	18"	23"±	13-1/2"±
5A	1"	22"	25-1/4"	15-3/4"	21"±	10-1/2"±

\*\* EXCLUDING CONDUIT WEB



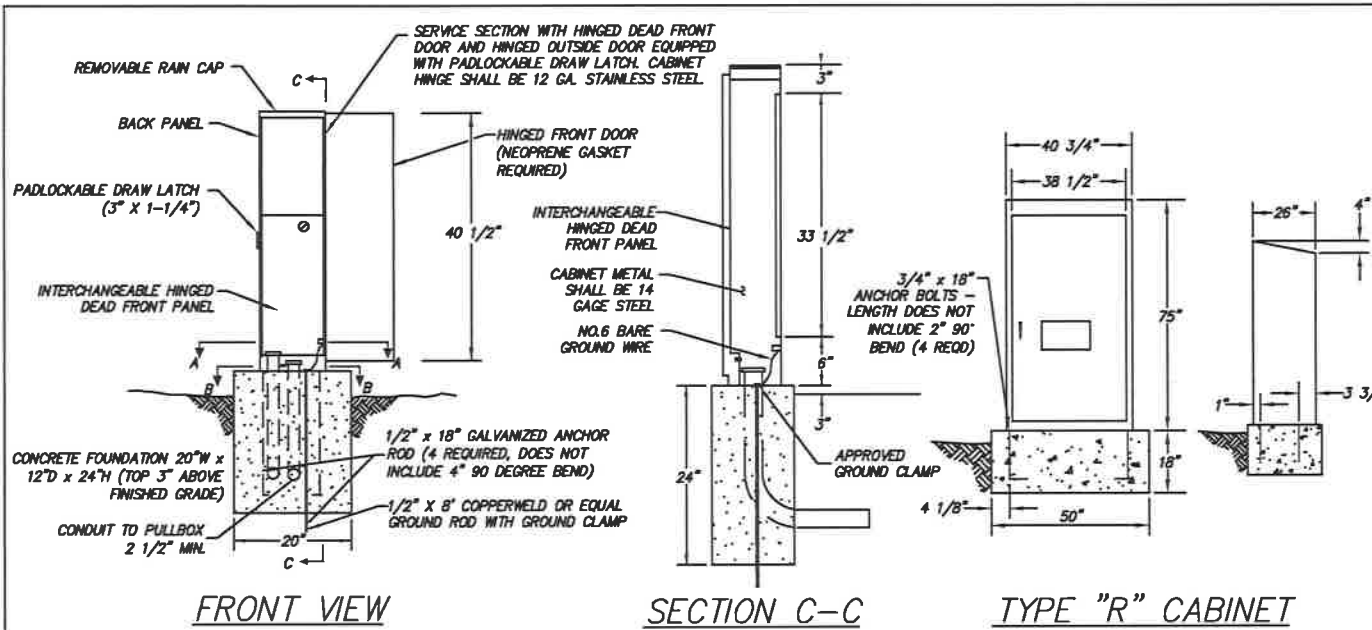
**CITY OF FOLSOM**

**TRAFFIC RATED PULLBOX**

SCALE: NONE  
DATE: FEBRUARY 2020

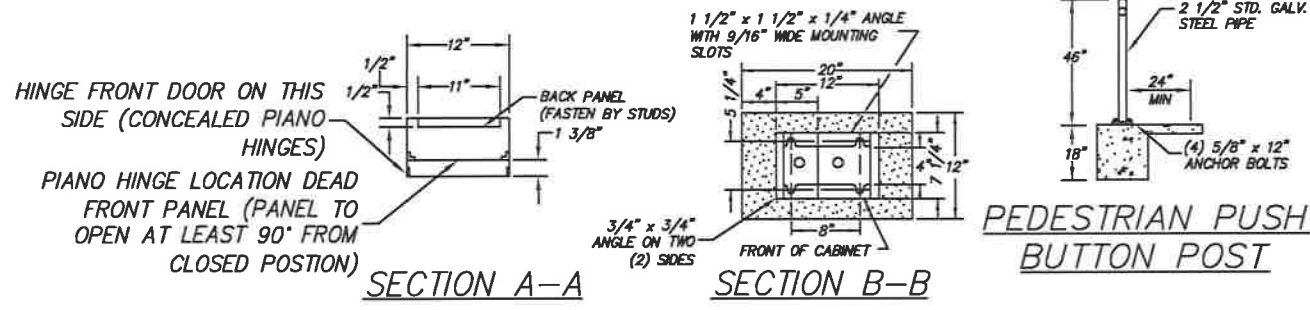
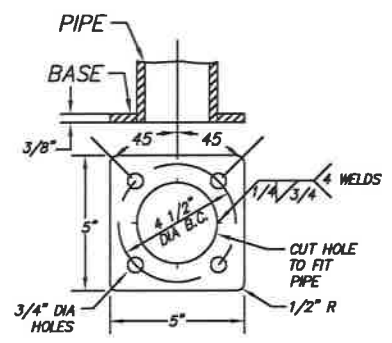
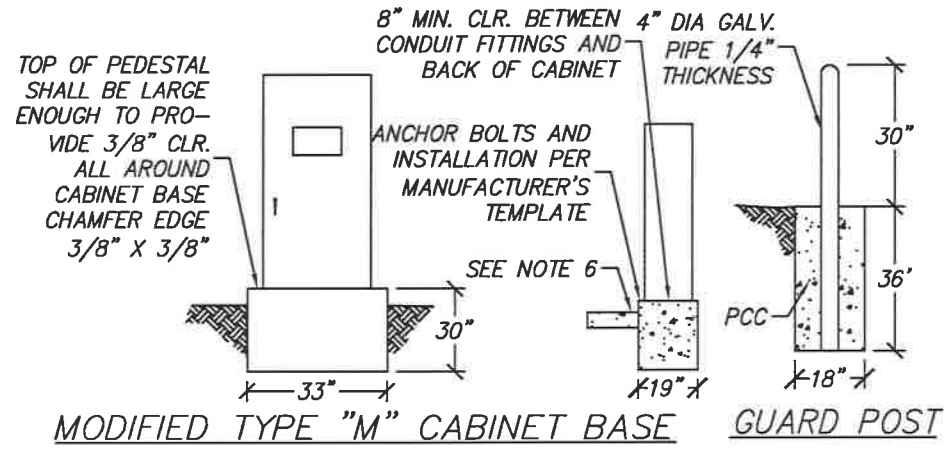
SL-08





**GENERAL INSTALLATION NOTES  
 ALL CABINETS**

1. ALL CABINET DIMENSIONS ARE NORMAL.
2. FOUNDATION SHALL BE LOCATED TO PROVIDE 60" MINIMUM CLEARANCE BETWEEN FACE OF CURB AND FACE OF CABINET.
3. ONE ANCHOR BOLT SHALL BE BONDED TO CONDUIT OR GROUND WIRE.
4. SERVICE CAN, CONTROLLER CABINET AND TERMINAL CABINET (IF NECESSARY) SHALL BE PLACED ON A COMMON FOUNDATION WITH 6 INCH SPACING, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE SERVICE CAN SHALL BE TO THE LEFT OF THE CONTROLLER CABINET AS IT IS FACED FROM THE STREET.
5. APPROVED WATERPROOF SEAL TO BE APPLIED TO BASE OF TYPE "R" AND MODIFIED TYPE "M" CABINET AND FOUNDATION.
6. IN UNPAVED AREAS, A P.C.C. PAD OF 36" x 30" x 4" FOR MODIFIED "M" AND PRETIMED CONTROLLER CABINETS AND ALL 49" x 36" x 4" FOR TYPE "R" CABINETS SHALL BE PLACED IN FRONT OF EACH CONTROLLER CABINET.
7. IN ALL UNPAVED AREAS, TOP OF FOUNDATION FOR "R", MODIFIED "M" AND PRETIMED CONTROLLER CABINETS SHALL BE 6" ABOVE SURROUNDING GRADE. IN PAVED AREAS TOP OF FOUNDATION FOR PRE-TIMED CONTROLLER CABINETS SHALL BE LEVEL WITH SURROUNDING GRADE. FOR ALL OTHERS IT SHALL BE 3" ABOVE PAVED AREAS.
8. ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED.
9. ALL CONDUITS SHALL BE BONDED TOGETHER IN THE CABINETS.
10. LOCATIONS SHOWN FOR EQUIPMENT ARE TYPICAL ONLY.
11. A 1/2" DIA DRAIN HOLE SHALL BE FORMED IN THE TYPE "R" AND MODIFIED "M" CONTROLLER BASE. ALL CABINETS SHALL BE LEVELED SO THAT THE CABINET DOOR WILL OPEN AND CLOSE EASILY.



**CITY OF FOLSOM**

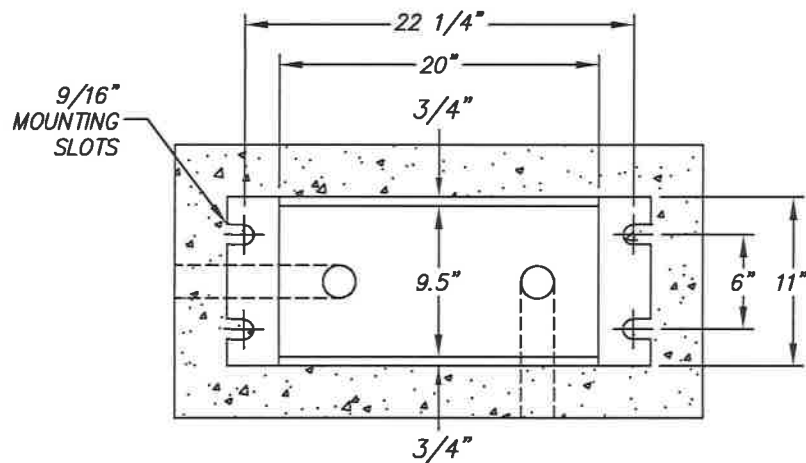
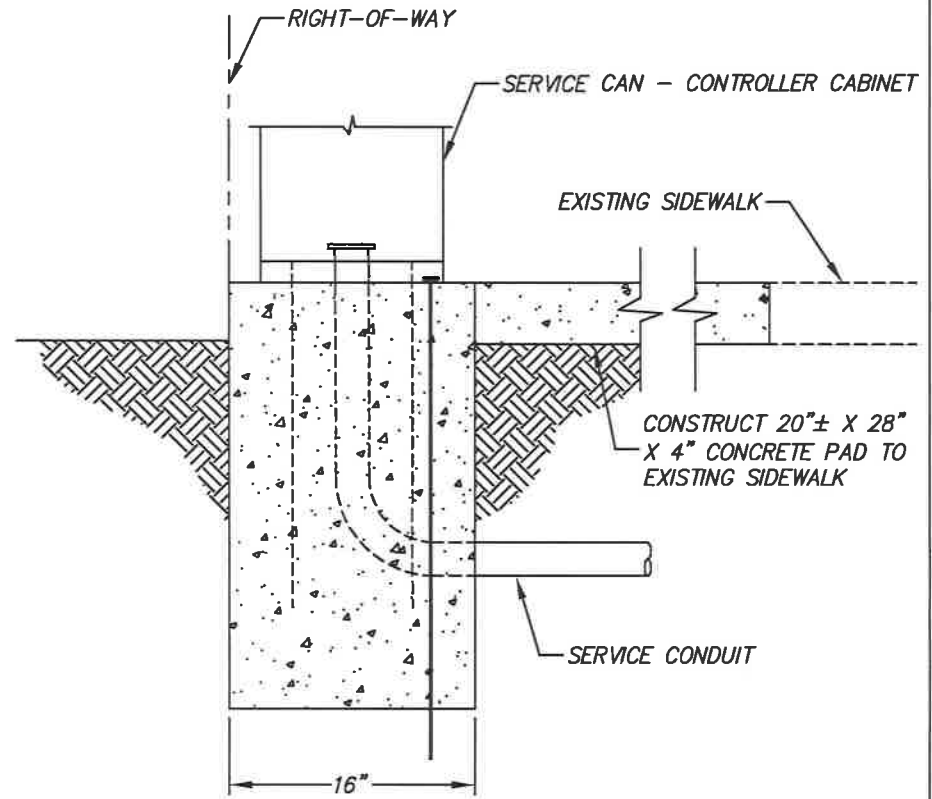
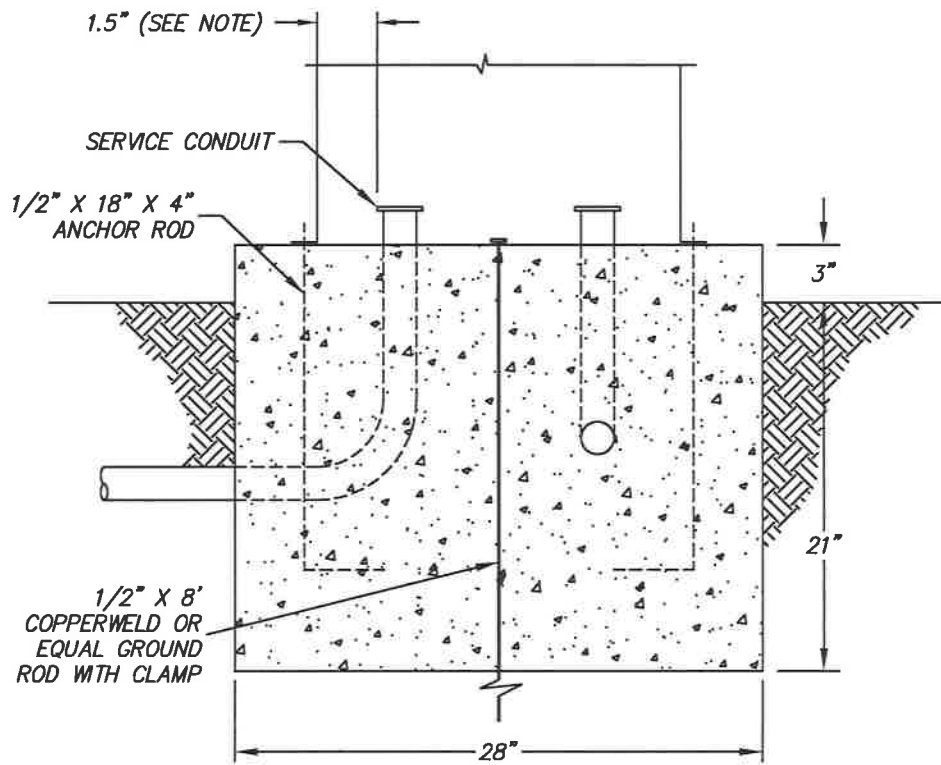
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**STANDARD CONTROLLER CABINETS**

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SCALE: NONE  
 DATE: FEBRUARY 2020

SL-09



**NOTE:**

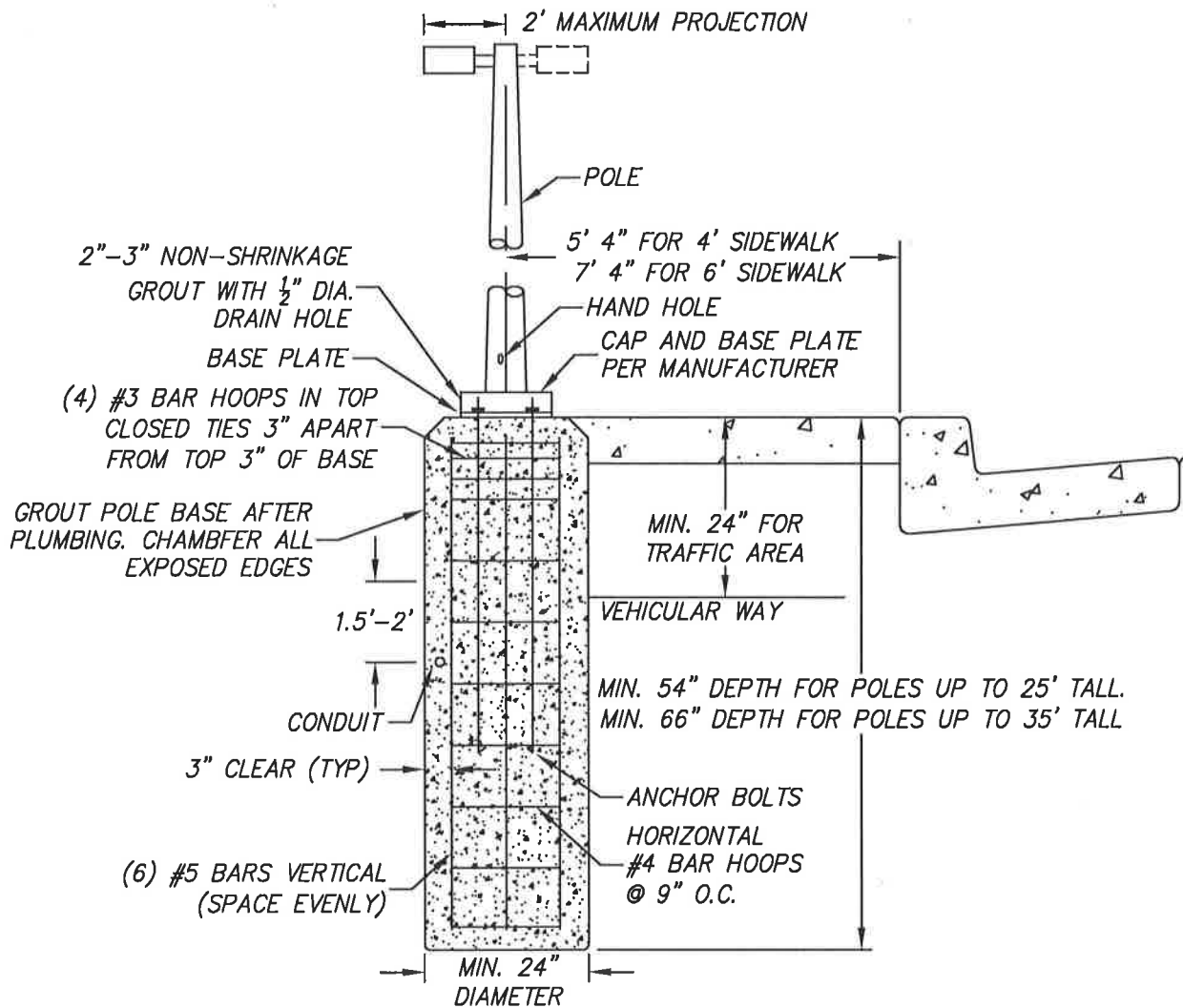
CONDUIT LOCATION IS CRITICAL TO PROPER CABINET INSTALLATION.

**CITY OF FOLSOM**

LOCAL SOLID STATE  
PEDESTRIAN CONTROLLER BASE

SCALE: NONE  
DATE: FEBRUARY 2020

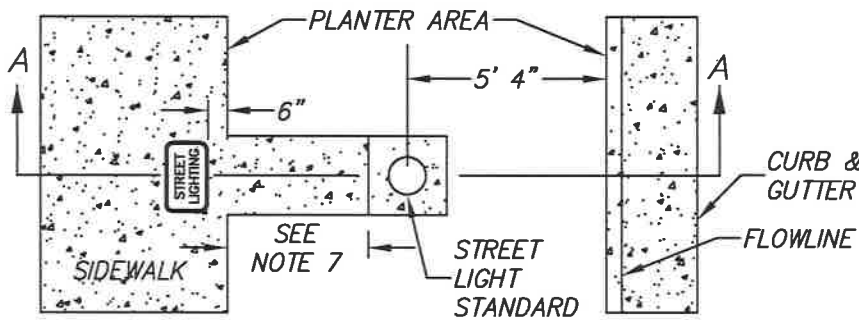
SL-10



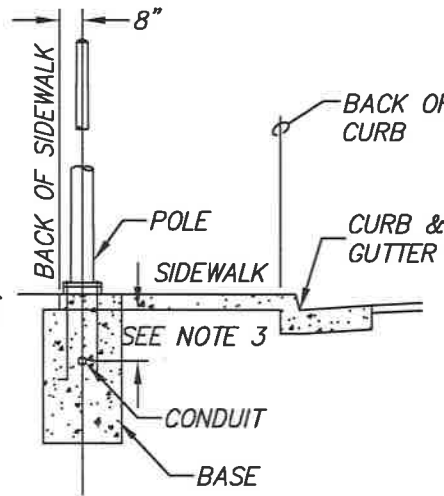
**NOTES:**

1. BASE IS CONFIGURED FOR SINGLE OR DOUBLE LIGHT APPLICATION.
2. CONNECT BOND WIRE TO POLE AT HAND HOLE AND RETURN TO SERVICE PANEL.
3. ANCHOR BOLTS WITH LARGE WASHERS, NUTS, AND LEVELING NUTS, FURNISHED WITH POLE SHALL BE PER MANUFACTURER'S SPECIFICATIONS. ARCHORS SHALL RESIST A MINIMUM 90MPH WIND (BASED ON 3 SECOND GUST FORMULA) AND EXPOSURE C.
4. MINIMUM CONCRETE COMPRESSION STRENGTH SHALL BE 3,500 PSI @ 28 DAYS (SPECIAL INSPECTION REQUIRED).
5. STEEL REINFORCING #4 BARS - GRADE 40 PER ASTM A615/A & 615M-04.
6. STEEL REINFORCING #5 BARS - GRADE 60 PER ASTM A615/A & 615M-04.

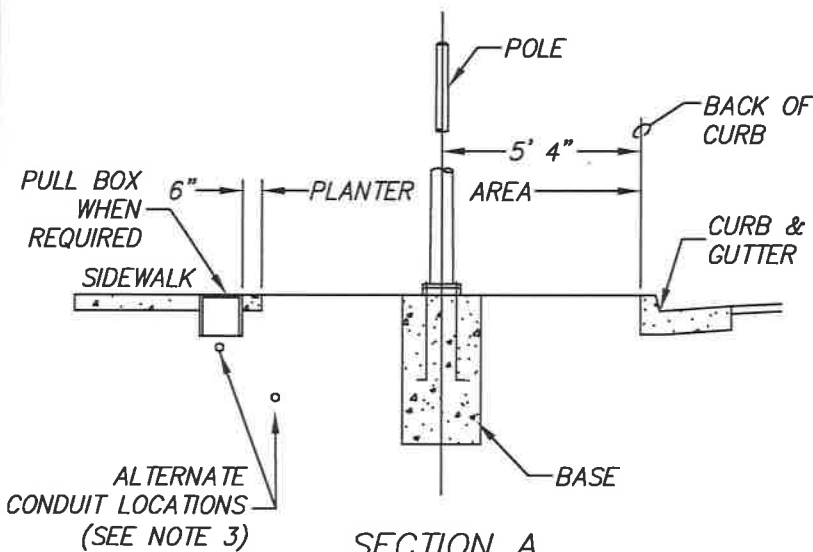
<b>CITY OF FOLSOM</b>	
<b>BASE DESIGN FOR STREET LIGHT STANDARD</b>	
<b>SCALE: NONE</b> <b>DATE: FEBRUARY 2020</b>	<b>SL-11</b>



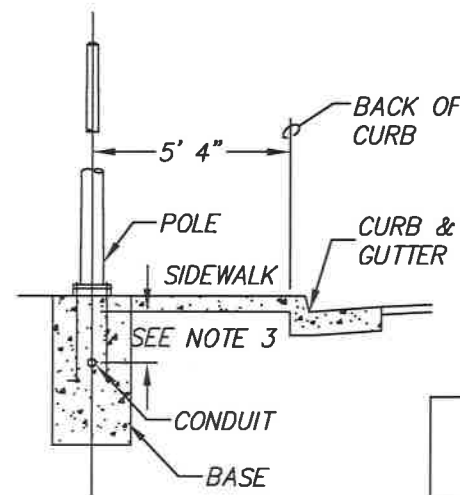
SIDEWALK WITH PLANTER AREA



OVER 6' SIDEWALK



SECTION A



4'-6' SIDEWALK

NOTES:

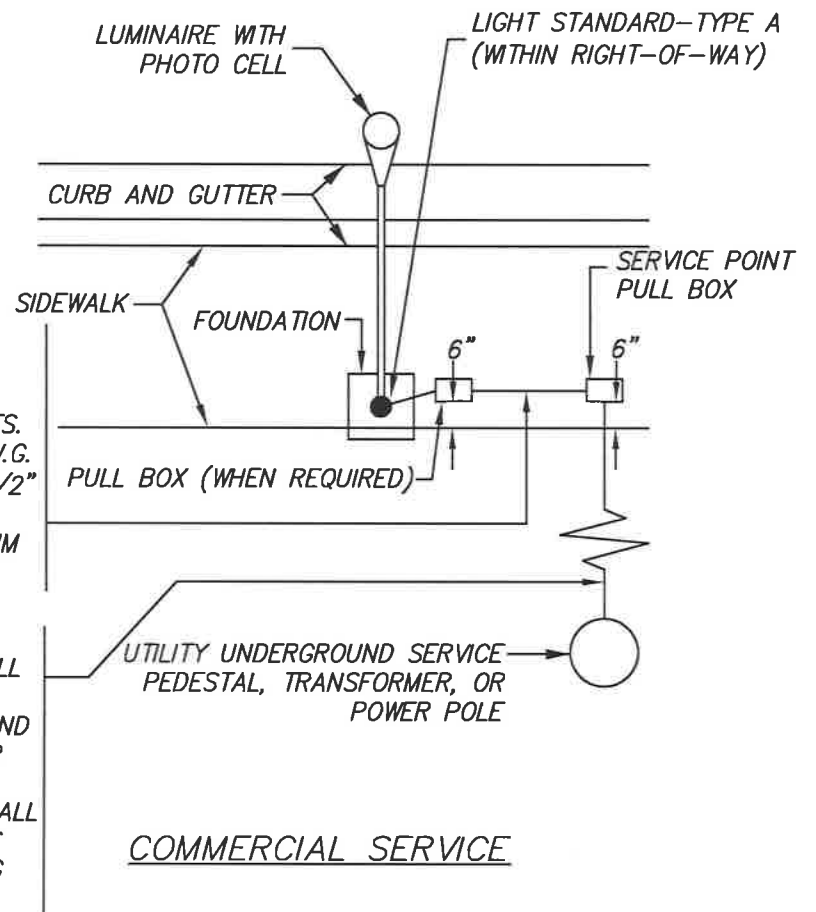
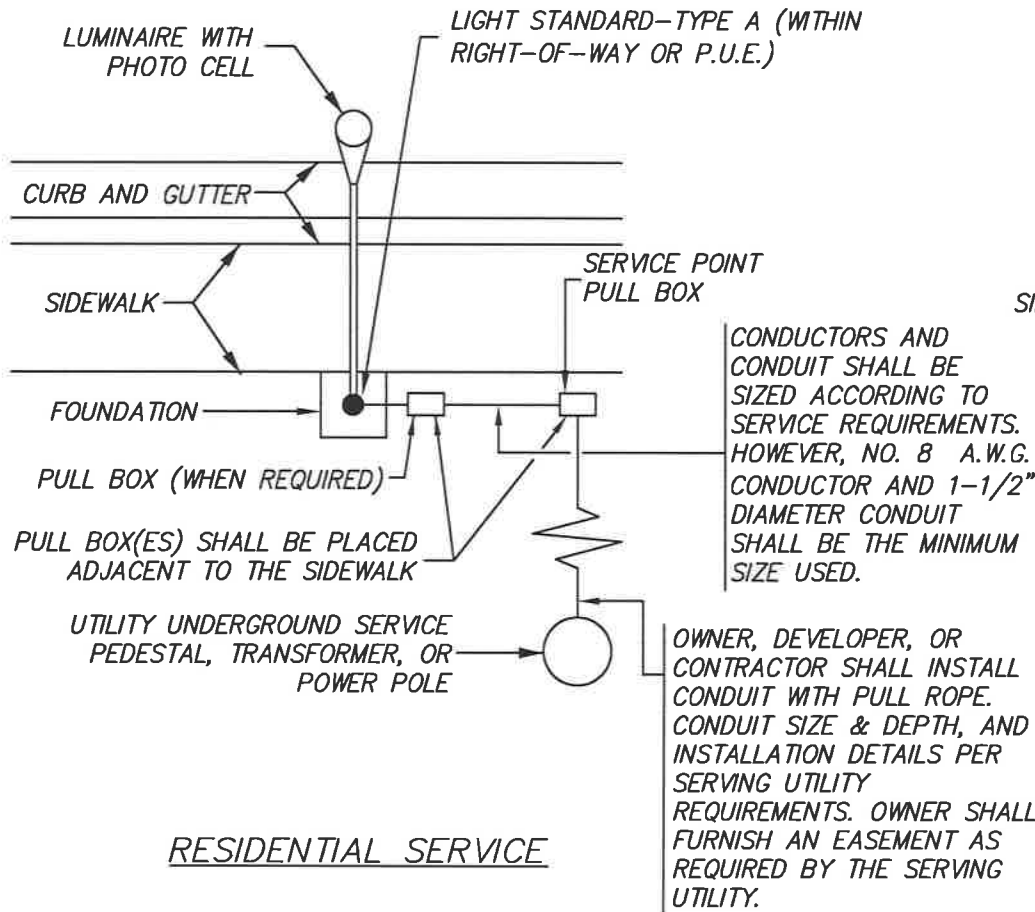
1. CONDUIT TRENCH BACKFILL SHALL BE COMPACTED TO 90% RELATIVE COMPACTION.
2. LANDSCAPING IN THE AREA OF THE STREET LIGHT STANDARD WILL MATCH BASE ELEVATION AND HAVE A MINIMUM OF 12" OF CLEARANCE FROM THE BASE.
3. CONDUITS LOCATED BENEATH THE SIDEWALK MAY BE PLACED AT 9" DEPTH. CONDUITS IN LANDSCAPE STRIP SHALL BE PLACED AT 18" DEPTH AND 6" FROM THE FACE OF THE SIDEWALK.
4. IF THE PLANTER AREA IS LESS THAN 6 FEET WIDE, THEN PLACE STREET LIGHT STANDARD SO THAT THE BASE PLATE ALIGNS WITH THE EDGE OF SIDEWALK. TOP OF FOUNDATION TO MATCH SIDEWALK GRADE.
5. NO PULL BOXES ARE TO BE PLACED IN THE PLANTER AREA.
6. PULL BOXES LOCATED IN A DRIVEWAY OR WITHIN 5 FEET OF A DRIVEWAY SHALL BE TRAFFIC RATED (SEE STANDARD DETAIL SL-08).
7. IF DIMENSION IS LESS THAN 2 FEET, PLACE 3-1/2" THICK, 2 FOOT WIDE CONCRETE PAD BETWEEN SIDEWALK AND STREET LIGHT FOUNDATION.

**CITY OF FOLSOM**

**BASE LOCATION  
FOR STREET LIGHT  
STANDARD**

SCALE: NONE  
DATE: FEBRUARY 2020

SL-12



NOTES:

1. ALL CITY OWNED FACILITIES SHALL BE WITHIN RIGHT-OF-WAY OR PUBLIC UTILITY EASEMENT.
2. SEE STANDARDS SL-04 AND SL-06 FOR WIRING DIAGRAM.
3. SEE STANDARDS SL-07 AND SL-08 FOR PULL BOX DETAILS.
4. SEE STANDARDS SL-11, SL-12, SL-14, AND SL-15, FOR STREET LIGHT DETAILS.
5. THE SERVING UTILITY WILL INSTALL AND MAINTAIN CONDUCTORS FROM THEIR UNDERGROUND SERVICE PEDESTAL, TRANSFORMER, OR POWER POLE TO THE SERVICE POINT PULL BOX.

CITY OF FOLSOM

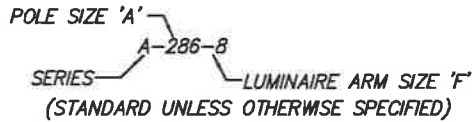
DIRECT SERVICE  
INSTALLATION TO  
STREET LIGHT STANDARD

SCALE: NONE  
DATE: FEBRUARY 2020

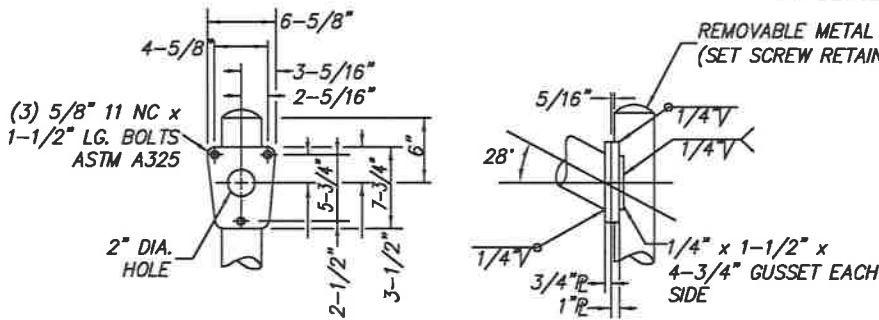
SL-13

**NOTES:**

▷ 'A' SERIES NUMBERING PROCEDURE



- STANDARD SHALL BE INSTALLED SO HANDHOLE FACES THE STREET.

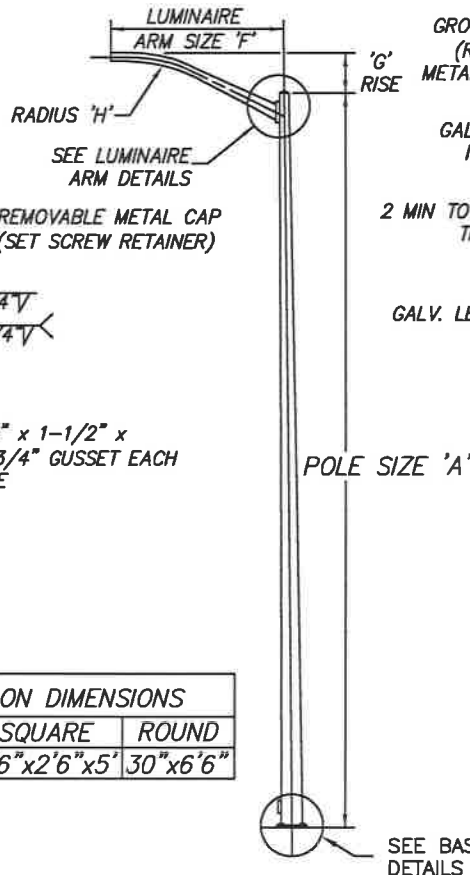


LUMINAIRE ARM DETAILS

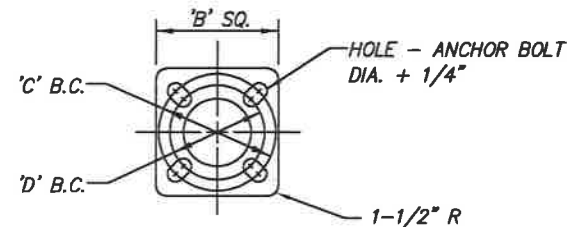
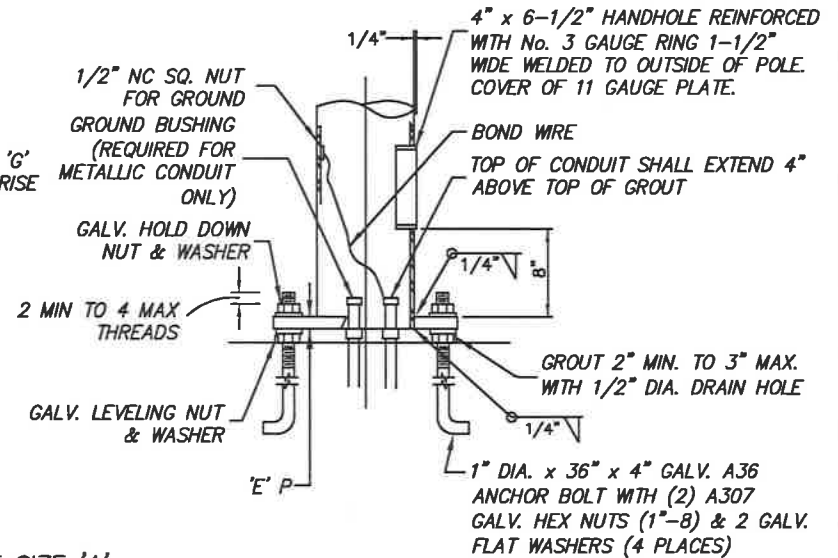
LUMINAIRE ARM DATA						
'F'	END OD	BASE OD	GA	'G'	'H'	
6'	2-3/8"	3-3/8"	10	1'-6"	7'-5"	
8'	2-3/8"	3-11/16"	10	2'-3"	7'-5"	
10'	2-3/8"	3-7/8"	10	2'-6"	13'-3"	
12'	2-3/8"	4-5/16"	10	3'-9"	13'-3"	
15'	2-3/8"	4-3/4"	10	4'-3"	13'-3"	
18'	2-3/8"	4-3/4"	10	5'-3"	13'-3"	

FOUNDATION DIMENSIONS		
'A' SERIES	SQUARE	ROUND
	2'6" x 2'6" x 5"	30" x 6'6"

'A' SERIES									
ID No. ▷	POLE DATA				BASE PLATE DATA				ANCHOR BOLTS
	'A'	TOP OD	BASE OD	GA	'B'	'C'	'D'	'E'	
A-250-'F'	25'-0"	3-7/8"	7-5/16"	10	12"	1-1/2"	11"	1"	1" x 36" x 4"
A-266-'F'	26'-6"	3-7/8"	7-1/2"	10	12"	1-1/2"	11"	1"	1" x 36" x 4"
A-286-'F'	28'-6"	3-7/8"	7-3/4"	10	12"	1-1/2"	11"	1"	1" x 36" x 4"
A-300-'F'	30'-0"	3-7/8"	B"	10	12"	1-1/2"	11"	1"	1" x 36" x 4"



'A' SERIES



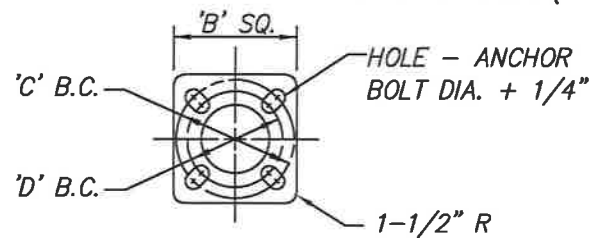
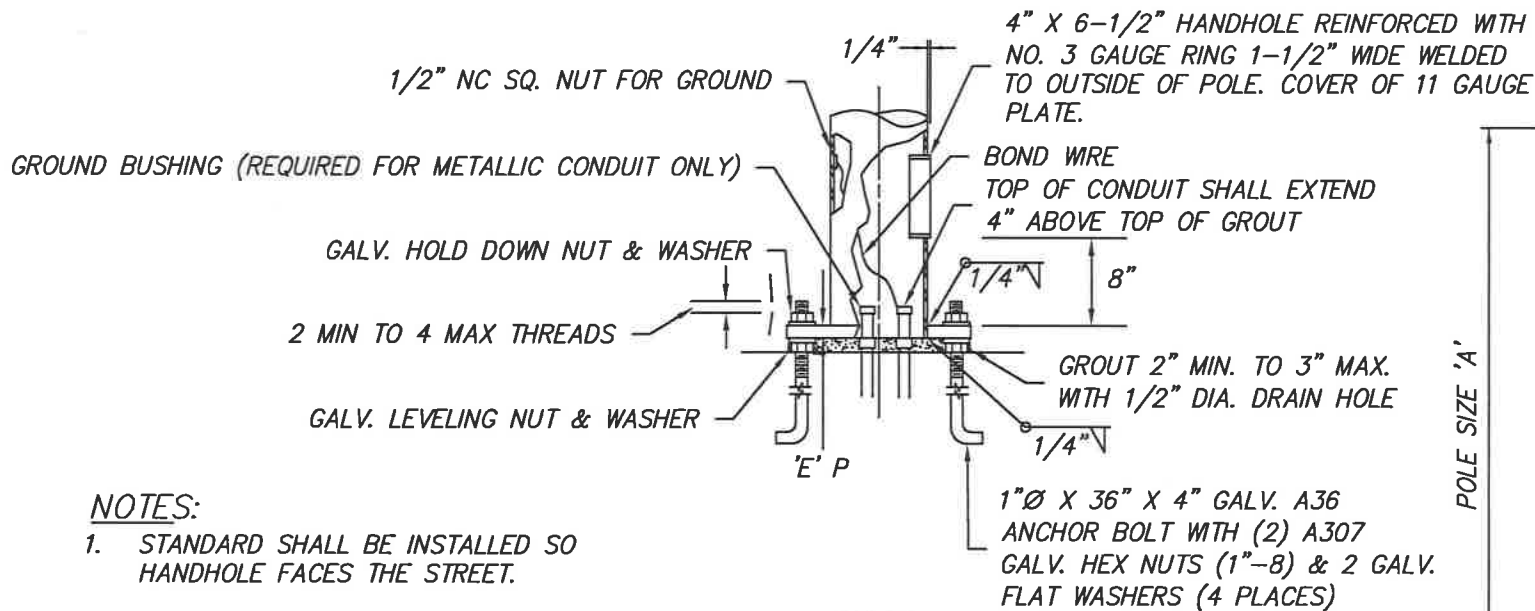
BASE DETAILS

**CITY OF FOLSOM**

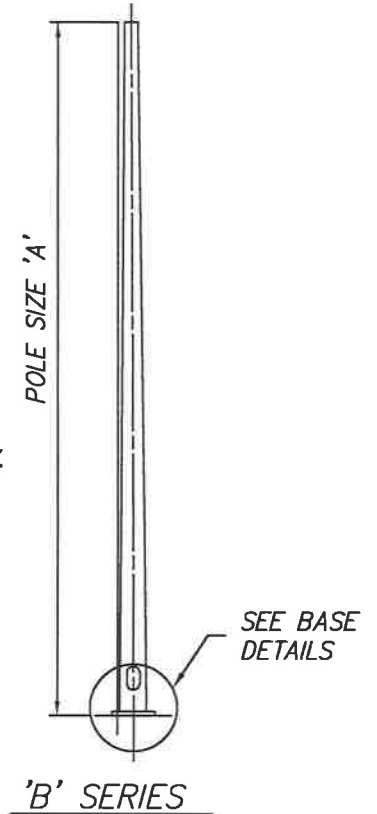
**TYPE 'A'  
STREET LIGHT  
STANDARD**

SCALE: NONE  
DATE: FEBRUARY 2020

SL-14



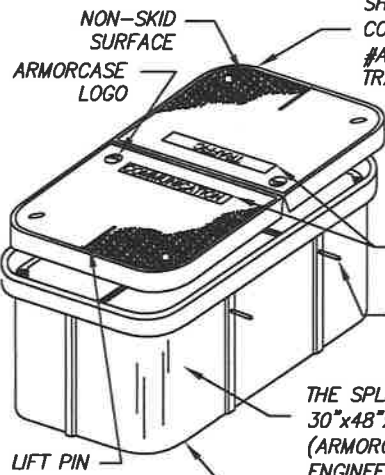
BASE DETAILS



FOUNDATION DIMENSIONS		
	SQUARE	ROUND
'B' SERIES	2' x 2' x 4'	30" x 3'-6"

'B' SERIES									
POLE DATA					BASE PLATE DATA				ANCHOR BOLTS
'A'	TOP OD	BASE OD		GAUGE	'B'	'C'	'D'	'E'	
		MIN	MAX						
20'	2 7/8"	5.61"	5.85"	10	10"	9 1/2"	9"	1"	1"x36"x4"

<b>CITY OF FOLSOM</b>	
TYPE 'B' STREET LIGHT STANDARD	
SCALE: NONE DATE: FEBRUARY 2020	SL-15

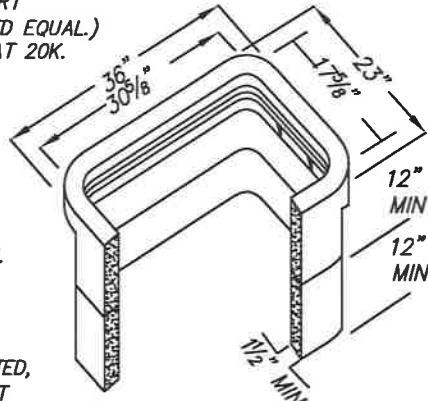


EACH HALF OF THE SPLICE VAULT COVER SHALL BE A 10K RATED, 30"x48"x3" POLYMER CONCRETE COVER (ARMORCAST PART #A6001470 OR ENGINEER APPROVED EQUAL.) TRAFFIC COVER SHALL BE RATED AT 20K.

SPLICE VAULT COVER TO BE MARKED "TRAFFIC" AND "COMMUNICATION". LETTERS TO BE 1" TO 3" HIGH. LIFTING BOLT 2-EACH SIDE WALL (4X)

THE SPLICE VAULT SHALL BE A 20K RATED, 30"x48"x36" POLYMER CONCRETE VAULT (ARMORCAST PART #A6001430TAPCX36 OR ENGINEER APPROVED EQUAL)

OPEN BASE (SEE NOTE 8, THIS SHEET FOR ADDITIONAL DETAILS)

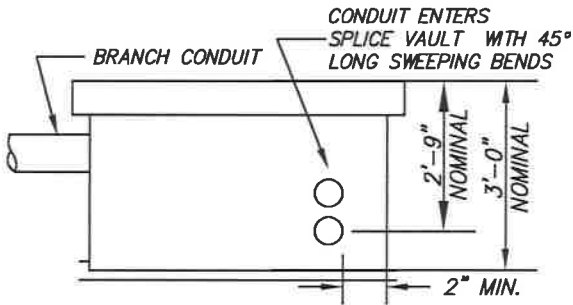


PULL BOX NO. 6E

**NOTES:**

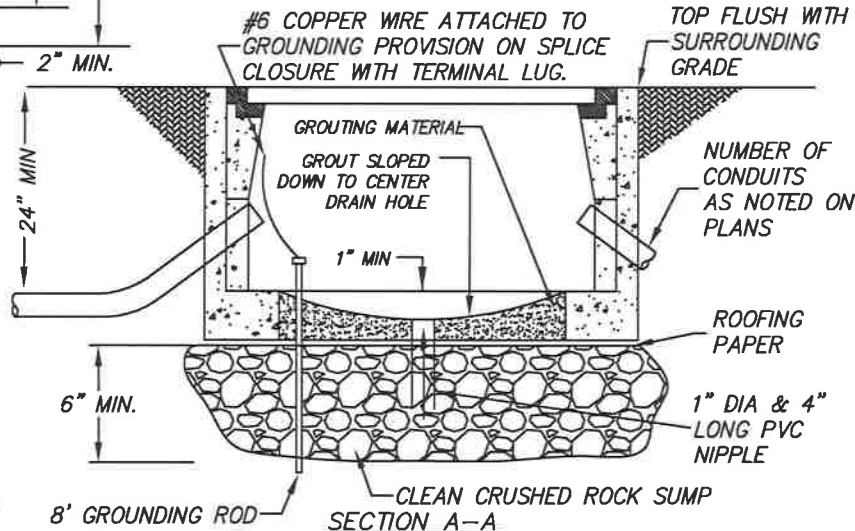
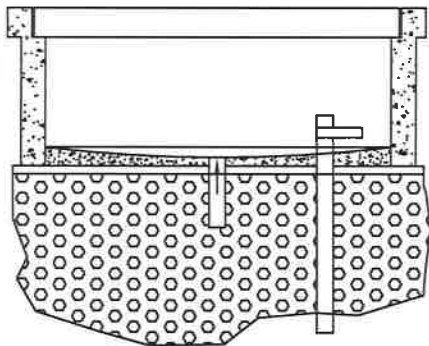
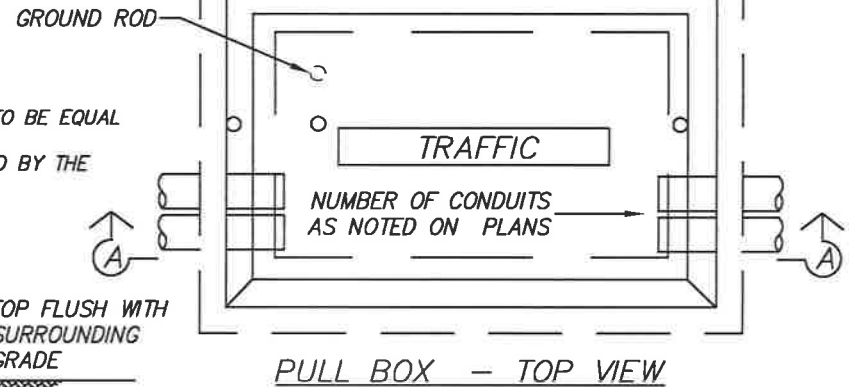
1. UPON ACCEPTANCE OF THE WORK, ALL CONDUITS SHALL BE SEALED WITH COMPATIBLE SEALANT MATERIAL.
2. ALL GROUND CONNECTIONS SHALL BE COATED WITH OXIDATION PROHIBITING COMPOUND.
3. THE VAULT SHALL BE CAULKED AFTER ALL KNOWN ENTRANCES HAVE BEEN MADE.
4. VAULT SHALL HAVE INTEGRAL BASE OR SHALL BE GROUTED PER SPECIAL PROVISIONS OF SPLICE VAULTS.
5. VAULTS SHALL NOT BE WITHIN THE BOUNDARIES OF NEW OR EXISTING WHEELCHAIR RAMPS OR DRIVEWAYS.
6. ALL COVERS AND VAULTS SHALL BE INTERCHANGEABLE WITH CALIFORNIA STANDARD MALE AND FEMALE GAGES. WHEN INTERCHANGED WITH A STANDARD MALE OR FEMALE GAGE, THE TOP SURFACES SHALL BE FLUSH WITHIN 1/8" OF AN INCH. TOP OUTSIDE EDGE OF ALL CONCRETE COVERS AND SPLICE VAULTS SHALL HAVE A 1/4" MINIMUM RADIUS.
7. THE BOTTOM OF THE SPLICE VAULTS SHALL BE BEDDED IN AT LEAST 6" OF CRUSHED ROCK AND SHALL BE GROUTED. A LAYER OF ROOFING PAPER SHALL BE PLACED BETWEEN THE GROUT AND THE CRUSHED ROCK. A 1" DRAIN HOLE SHALL BE PROVIDED IN THE CENTER OF THE SPLICE VAULT THROUGH THE GROUT AND THE ROOFING PAPER. SEE SPECIAL PROVISIONS FOR ADDITIONAL DETAILS.
8. A MINIMUM OF 2 FEET COVER OVER NEW CONDUITS IS REQUIRED. CONDUITS MUST NOT BE INSTALLED DEEPER THAN 5 FEET UNLESS OTHERWISE APPROVED BY THE ENGINEER.

**30X48 SPLICE VAULT**



**INSTALLATION NOTES:**

1. CONCRETE RING SHALL BE MINOR CONCRETE.
2. CONCRETE ENCASEMENT RING DIMENSION (D) TO BE EQUAL TO DESIGN PAVEMENT DEPTH.
3. PAVEMENT AND SUBGRADE TO BE AS DIRECTED BY THE ENGINEER.



**30X48 VAULT INSTALLATION**

<b>CITY OF FOLSOM</b>	
<b>FIBER SPLICE VAULT</b>	
SCALE: NONE	SL-16
DATE: FEBRUARY 2020	