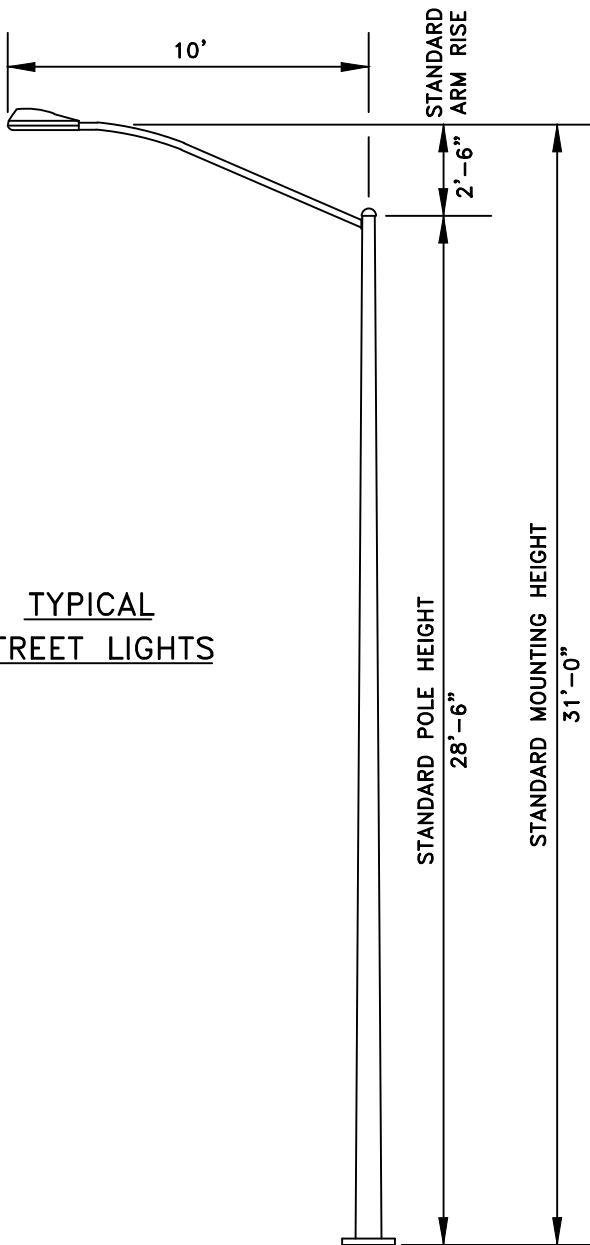
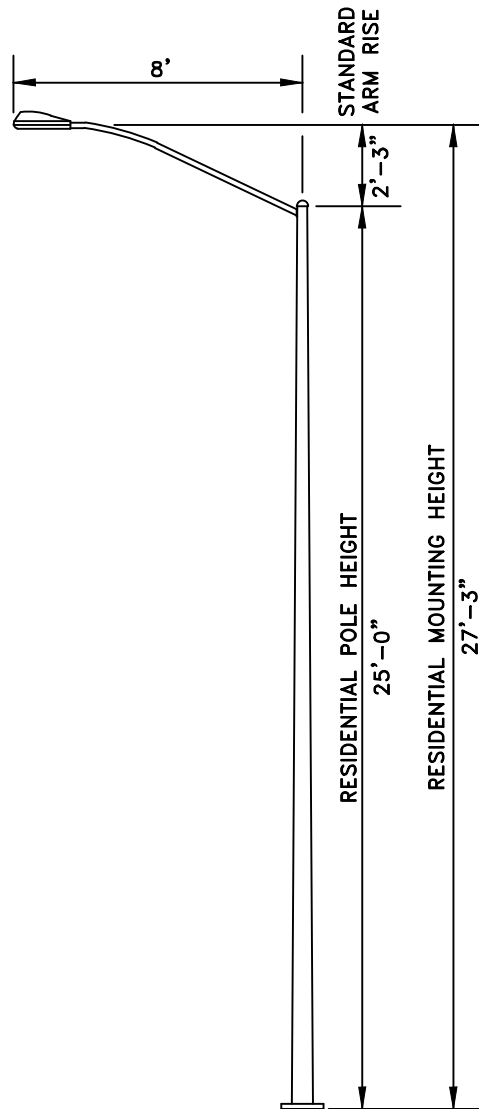


TYPICAL  
STREET LIGHTS



STANDARD TYPE "A"



RESIDENTIAL TYPE "A"

SYMBOLS

PROPOSED    EXISTING

		.....TYPE "A" STREET LIGHT
		.....PULL BOX
		.....SERVICE POINT PULL BOX
		.....CONDUIT
		.....SERVICE ENCLOSURE (CAN)
		.....U.G. UTILITY SERVICE
		.....TRANSFORMER
		.....WOOD POLE

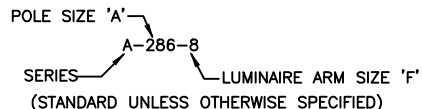
**NOTE:**  
 INSTALL IN EACH STREET LIGHT FIXTURE A 15 AMP  
 500 VAC TIME-DELAY MIDGET FERRULE TYPE  
 FUSE WITH IN-LINE FUSE HOLDER.

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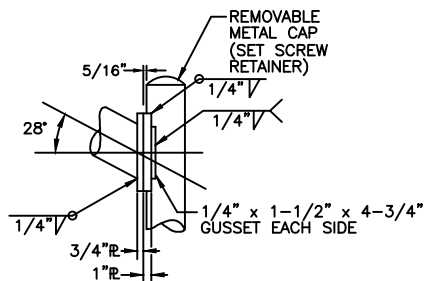
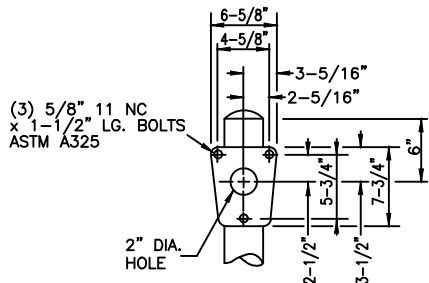
<b>COUNTY OF SACRAMENTO</b>	
<b>STREET LIGHTING POLES AND SYMBOLS</b>	
SCALE: NONE DATE: 09/2024 DRAWN BY: TRS	<b>5-1</b>

**NOTES:**

1. 'A' SERIES NUMBERING PROCEDURE



2. POLES SHALL HAVE HANDHOLES



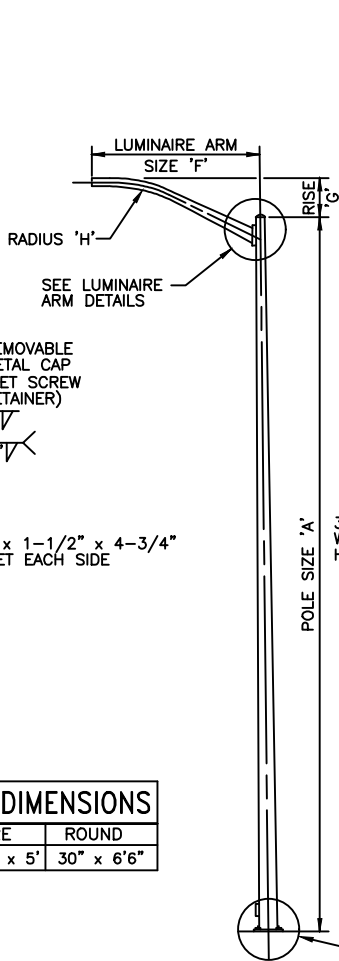
**LUMINAIRE ARM DETAILS**

LUMINAIRE ARM DATA						
'F'	END OD	BASE OD	GA	'G'	'H'	
6'-0"	2-3/8"	3-3/8"	11	1'-6"	7'-5"	
8'-0"	2-3/8"	3-11/16"	11	2'-3"	7'-5"	
10'-0"	2-3/8"	3-7/8"	11	2'-6"	13'-3"	
12'-0"	2-3/8"	4-5/16"	11	3'-9"	13'-3"	
15'-0"	2-3/8"	4-3/4"	11	4'-3"	13'-3"	
18'-0"	2-3/8"	4-3/4"	11	5'-3"	13'-3"	

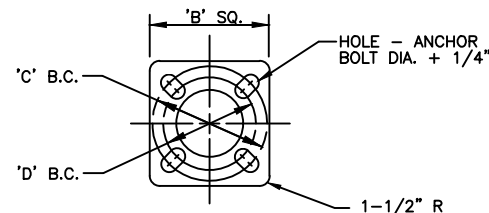
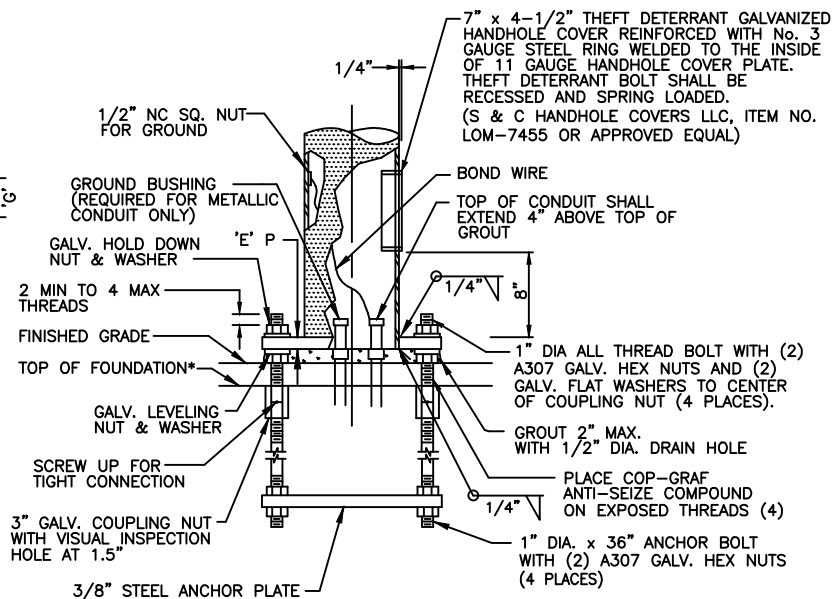
	FOUNDATION DIMENSIONS	
	SQUARE	ROUND
'A' SERIES	2'6" x 2'6" x 5'	30" x 6'6"

**'A' SERIES**

IDENTIFICATION NUMBER	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"	11	12"	11-1/2"	11"	1"	1" x 36"
A-266-'F'	26'-6"	3-7/8"	7-1/2"	11	12"	11-1/2"	11"	1"	1" x 36"
A-286-'F'	28'-6"	3-7/8"	7-3/4"	11	12"	11-1/2"	11"	1"	1" x 36"
A-300-'F'	30'-0"	3-7/8"	8"	11	12"	11-1/2"	11"	1"	1" x 36"



**'A' SERIES**



**BASE DETAILS**

\*IN SIDEWALK LOCATIONS, TOP OF FOUNDATION SHALL BE 4" BELOW THE TOP OF SIDEWALK. FOR DECORATIVE PEDESTALS, COUPLING NUT SHALL BE FLUSH WITH THE TOP OF THE DECORATIVE PEDESTAL.

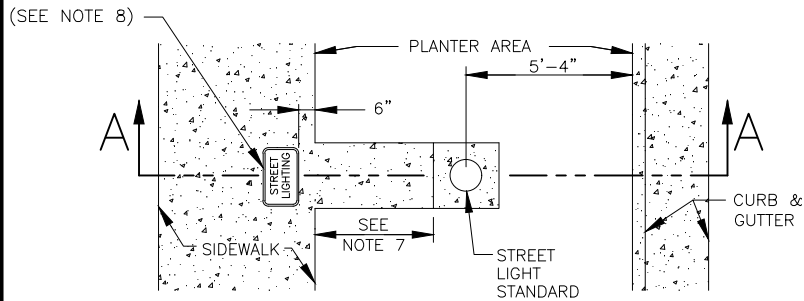
**COUNTY OF SACRAMENTO**

**SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS  
TYPE 'A' STREET LIGHT STANDARD**

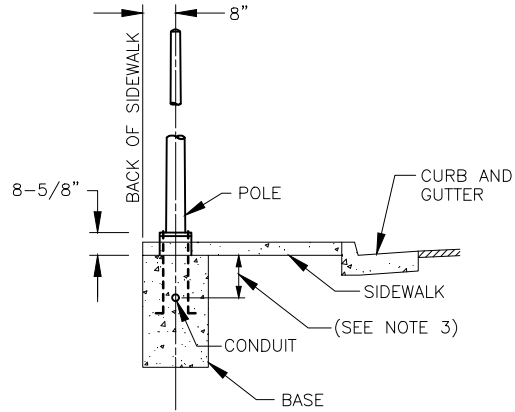
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DATE: 09/2024  
DRAWN BY: TRS

**5-3**

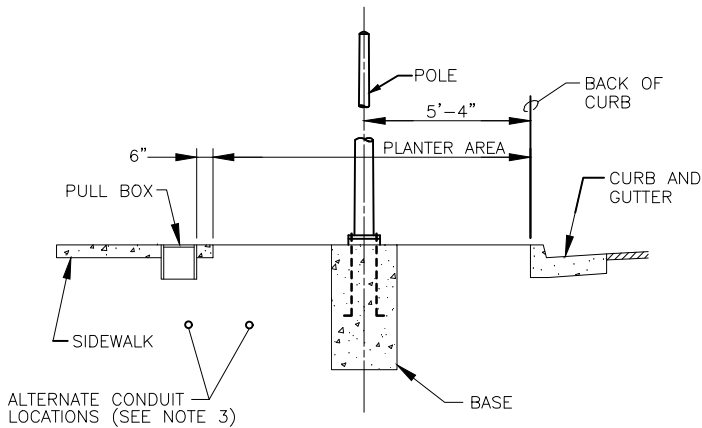
*[Signature]*  
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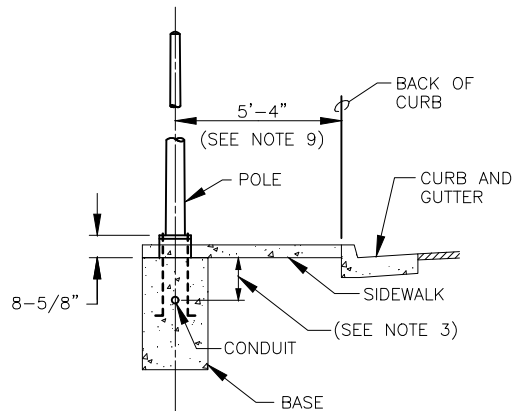
**SIDEWALK WITH PLANTER AREA**



**OVER 6' SIDEWALK**



**SECTION A-A**



**5' to 6' SIDEWALK**

**NOTES:**

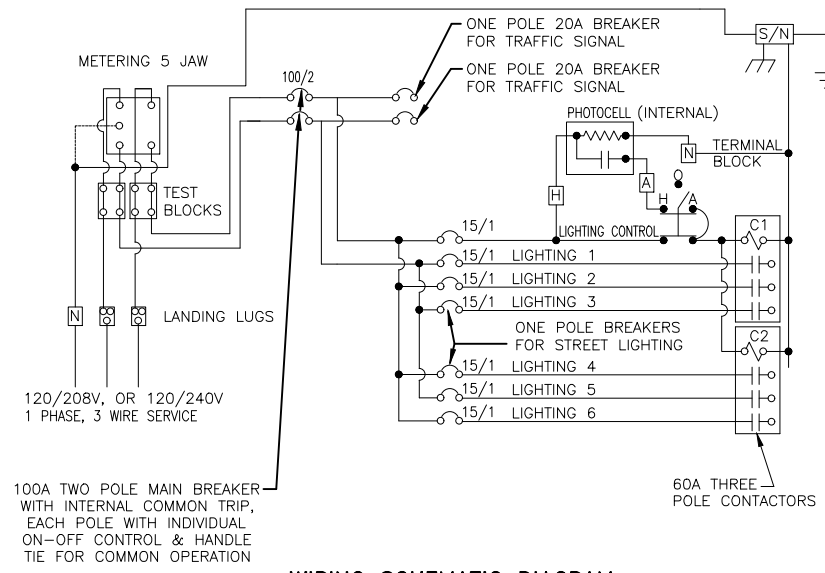
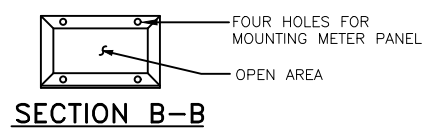
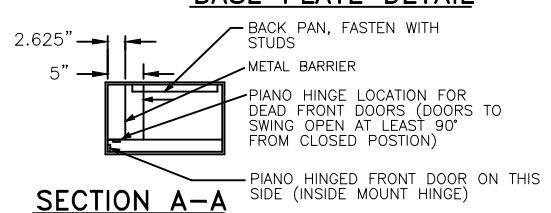
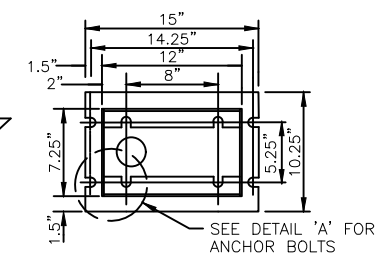
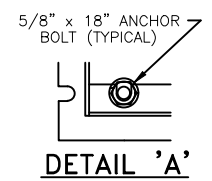
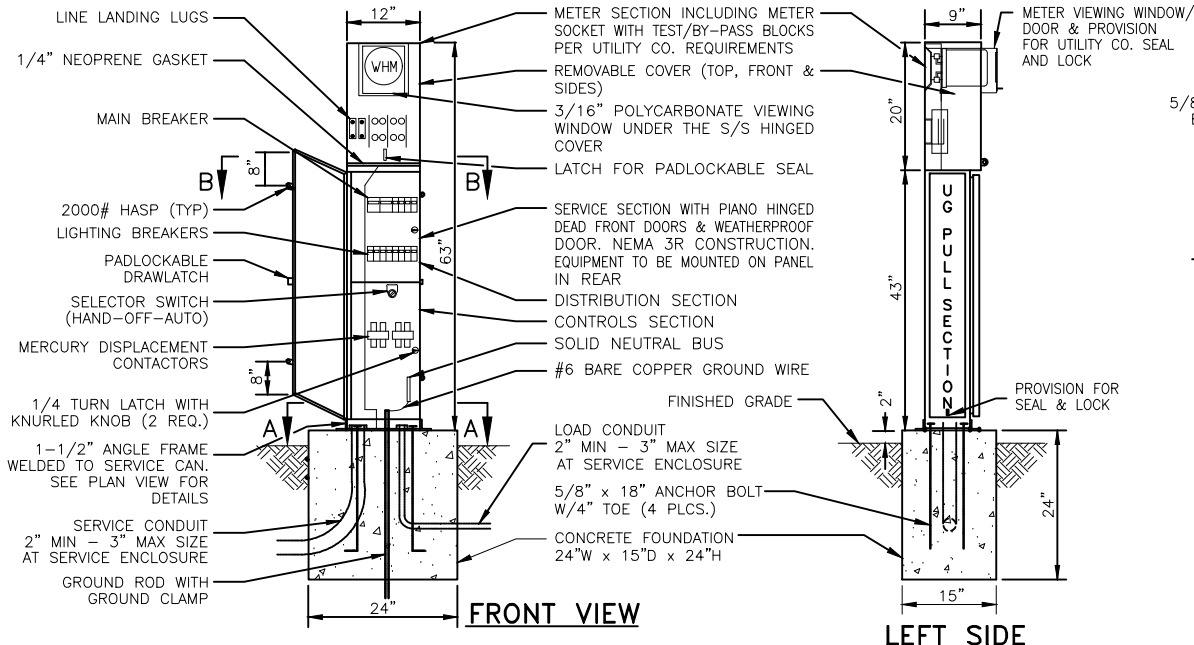
1. CONDUIT TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH THE STANDARD CONSTRUCTION SPECIFICATIONS.
2. LANDSCAPING IN THE AREA OF THE STREET LIGHT STANDARD WILL MATCH BASE ELEVATION AND HAVE A MINIMUM OF 12" OF CLEARANCE FROM THE BASE.
3. CONDUITS LOCATED BENEATH THE SIDEWALK SHALL BE 18" DEPTH. CONDUITS LOCATED IN THE LANDSCAPE STRIP SHALL BE 30" DEPTH AND 6" MAX FROM THE FACE OF THE SIDEWALK.
4. IF THE PLANTER AREA IS LESS THAN SIX 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 STATE STANDARD PLANS FOR TRAFFIC RATED PULL BOXES).
7. IF DIMENSION IS LESS THAN 2-FEET, PLACE 3-1/2" THICK, 2-FOOT WIDE CONCRETE PAD BETWEEN SIDEWALK AND STREET LIGHT FOUNDATION.
8. PULL BOXES SHALL BE INSTALLED AT EACH SERVICE CAN, AND EACH STREET LIGHT. PULLBOXES SHALL INCLUDE COVERS WITH THEFT DETERRENT PENTA BOLT.
9. FOR DECORATIVE STREET LIGHTS, LOCATE BASE CLEAR OF BACK OF SIDEWALK.

*[Signature]*  
 CHIEF, DEPT. OF TRANSPORTATION

**COUNTY OF SACRAMENTO**

**SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS  
 BASE LOCATION FOR STREET LIGHTS**

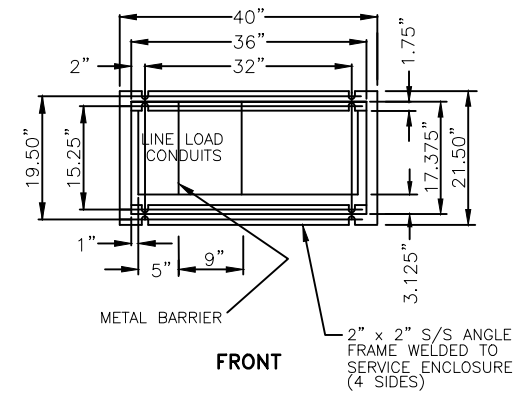
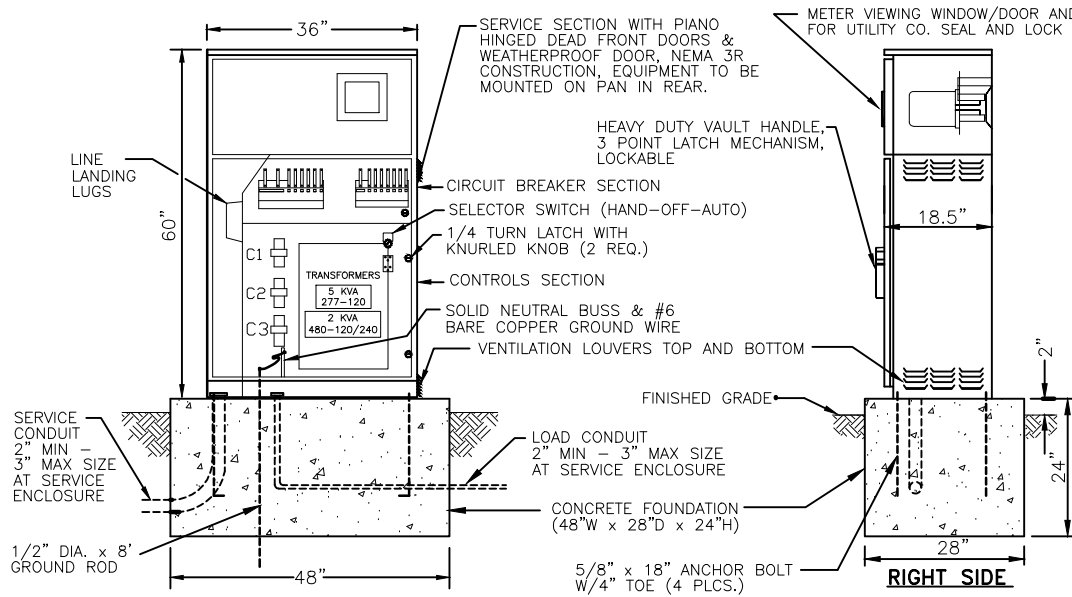
SCALE: NONE  
 DATE: 09/2024  
 DRAWN BY: TRS



1. EXTERIOR SHALL BE 1/8" ALUMINUM AND INTERIOR 14 GA COLD ROLLED STEEL. 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.
14. ANODIZE AFTER FABRICATION.

<b>COUNTY OF SACRAMENTO</b>	
<b>SIGNAL &amp; LIGHTING METERED SERVICE ENCLOSURE (120/208V, 120/240V)</b>	
SCALE: NONE DATE: 09/2024 DRAWN BY: TRS	<b>5-11</b>

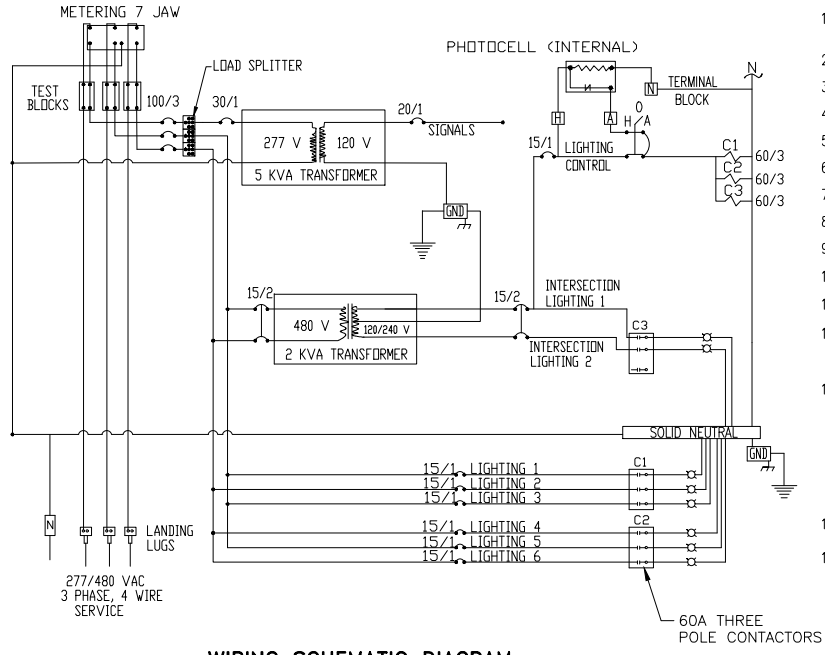
CHIEF, DEPT. OF TRANSPORTATION



**BASE PLATE DETAIL**

**FRONT VIEW**

**RIGHT SIDE**

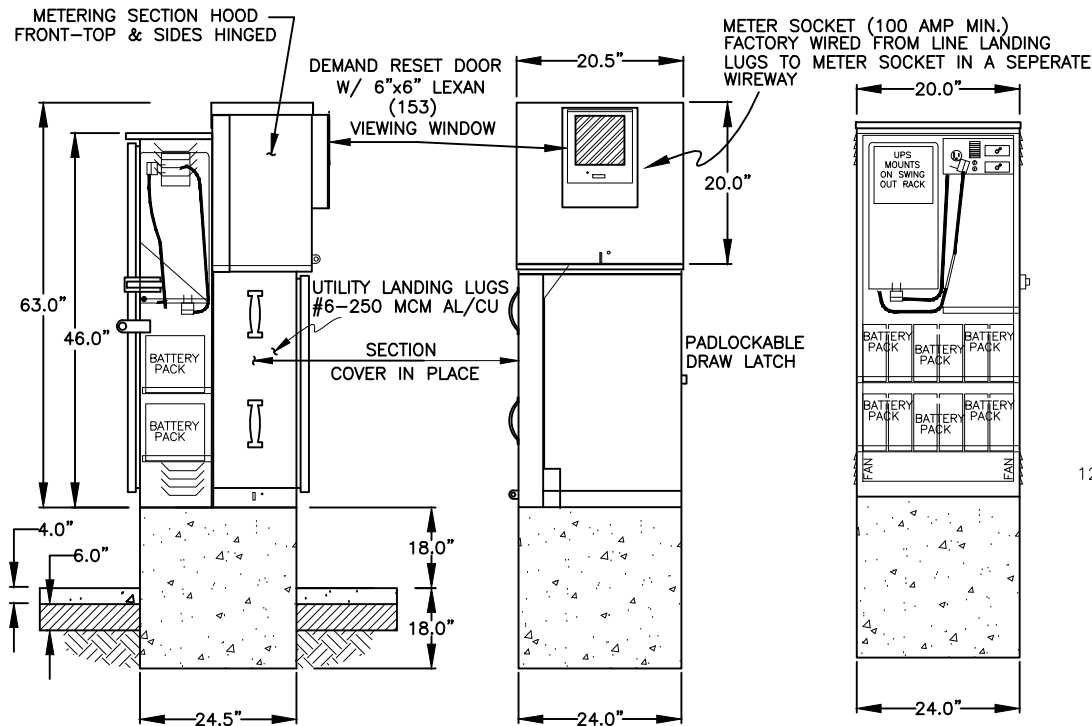


**WIRING SCHEMATIC DIAGRAM**

1. EXTERIOR SHALL BE 1/8" ALUMINUM AND INTERIOR 14 GA COLD ROLLED STEEL. 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. SIZE OF TRANSFORMER SHALL BE 5 KVA. SIZE OF TRANSFORMER FOR 120 V INTERSECTION LIGHTING SHALL BE 2 KVA.
12. WHEN CHANGING VOLTAGE ON A RETROFIT PROJECT WHERE A NEW SERVICE ENCLOSURE WITH A STEP-DOWN TRANSFORMER IS REQUIRED, THE NEW SERVICE ENCLOSURE SHALL BE PLACED BETWEEN THE SERVICE POINT AND THE OLD SERVICE ENCLOSURE LOCATED WITHIN THE COUNTY R/W. VOLTAGE OUTPUT FROM THE NEW SERVICE ENCLOSURE MAY BE CONNECTED INTO THE EXISTING CONDUIT SYSTEM.
13. 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.
14. SEE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
15. ANODIZE AFTER FABRICATION.

  
 CHIEF, DEPT. OF TRANSPORTATION

<b>COUNTY OF SACRAMENTO</b>	
<b>SIGNAL &amp; LIGHTING METERED SERVICE ENCLOSURE WITH STEP-DOWN TRANSFORMER (277/480V TO 120/240V)</b>	
SCALE: NONE DATE: 09/2024 DRAWN BY: JTW	<b>5-12</b>

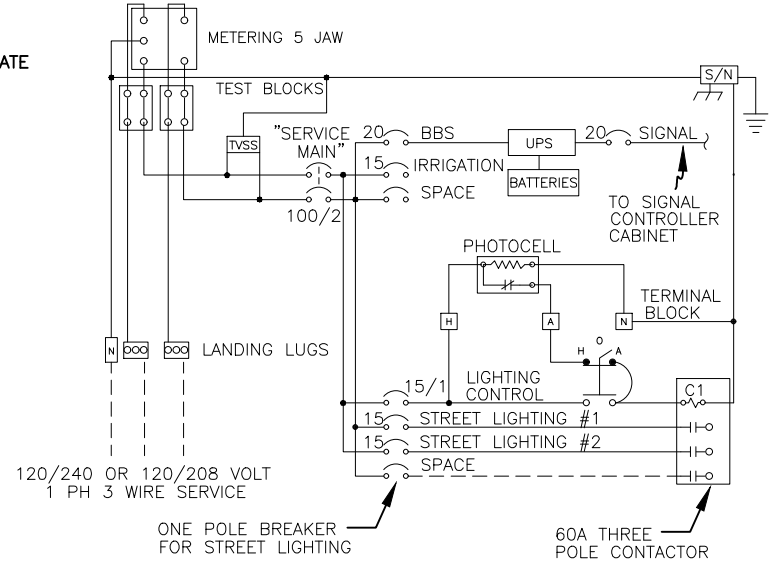


**LEFT SIDE**

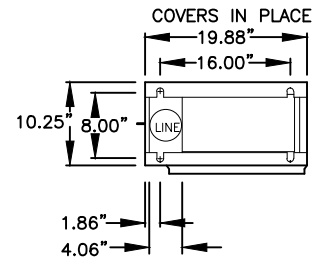
**FRONT VIEW**

**REAR VIEW**

COVERS IN PLACE MOUNTED ON PAD



**WIRING SCHEMATIC DIAGRAM**



**BASE PLAN**

**ENCLOSURE CONSTRUCTION NOTES**

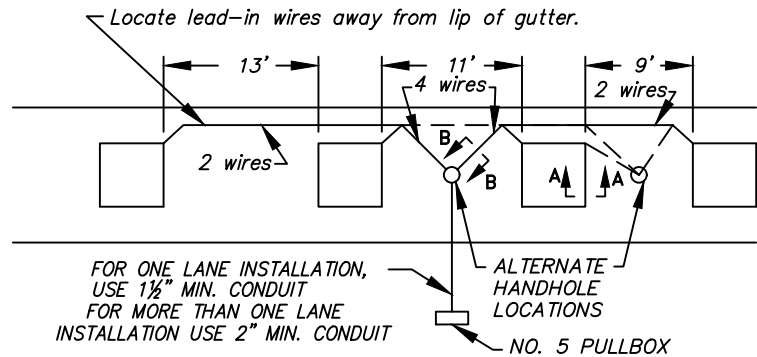
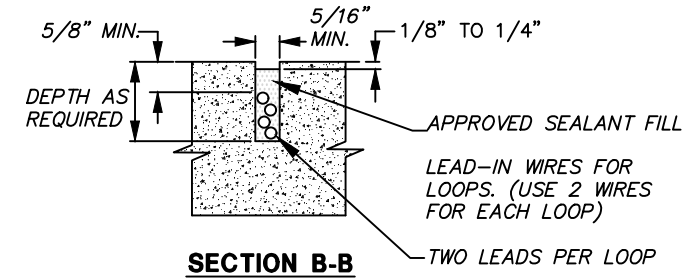
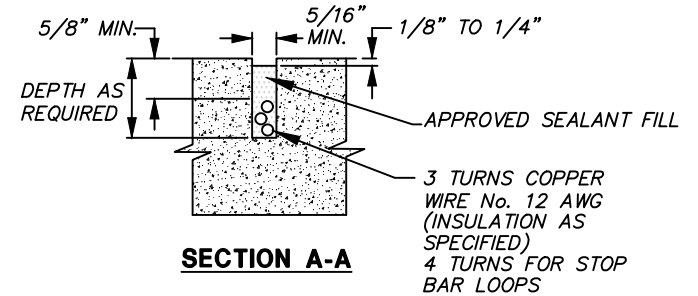
1. EXTERIOR, 1/8" ALUMINUM, AND INTERIOR 14 GA COLD ROLLED STEEL ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
2. CONSTRUCTION WILL BE NEMA 3R, RAINTIGHT.
3. ALL NUTS, BOLTS AND SCREWS WILL BE STAINLESS STEEL.
4. NUTS, BOLTS & SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
5. NAMEPLATES WILL 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 UL508A STANDARDS.
9. ANODIZE AFTER FABRICATION.

*[Signature]*  
 CHIEF, DEPT. OF TRANSPORTATION

<b>COUNTY OF SACRAMENTO</b>	
<b>SIGNAL &amp; LIGHTING METERED SERVICE ENCLOSURE WITH BATTERY BACKUP (120/208V, 120/240V)</b>	
SCALE: NONE DATE: 09/2024 DRAWN BY: TRS	<b>5-13</b>

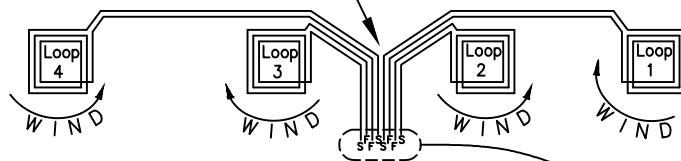
## LOOP INSTALLATION PROCEDURE

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'-0" 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 and ES-5D for additional details.



**TYPICAL LOOP INSTALLATION**

INSTALL DETECTOR HANDHOLE, SEE ABOVE.

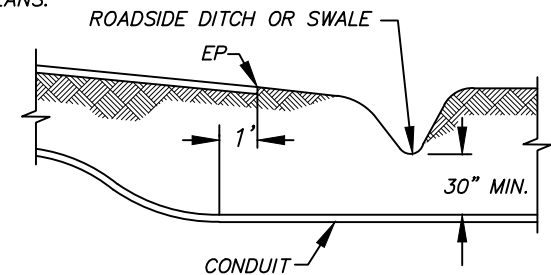


**LOOP WINDING PATTERNS**

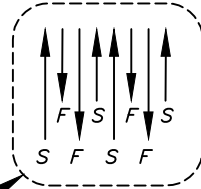
Conductor identification shall include the following:

1. Sensor number and phase 2. Loop number 3. Start (S) or finish (F)
2. See dwg. 5-19A 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. 5-19 for location.

5' X 5' LOOPS TO BE CENTERED IN LANE OR AS SHOWN ON PLANS.



**CONDUIT DETAIL FOR CLASS "C" STREET**



**COUNTY OF SACRAMENTO**

**LOOP DETECTORS**

SCALE: NONE  
DATE: 09/2024  
DRAWN BY: JTW

**5-18**

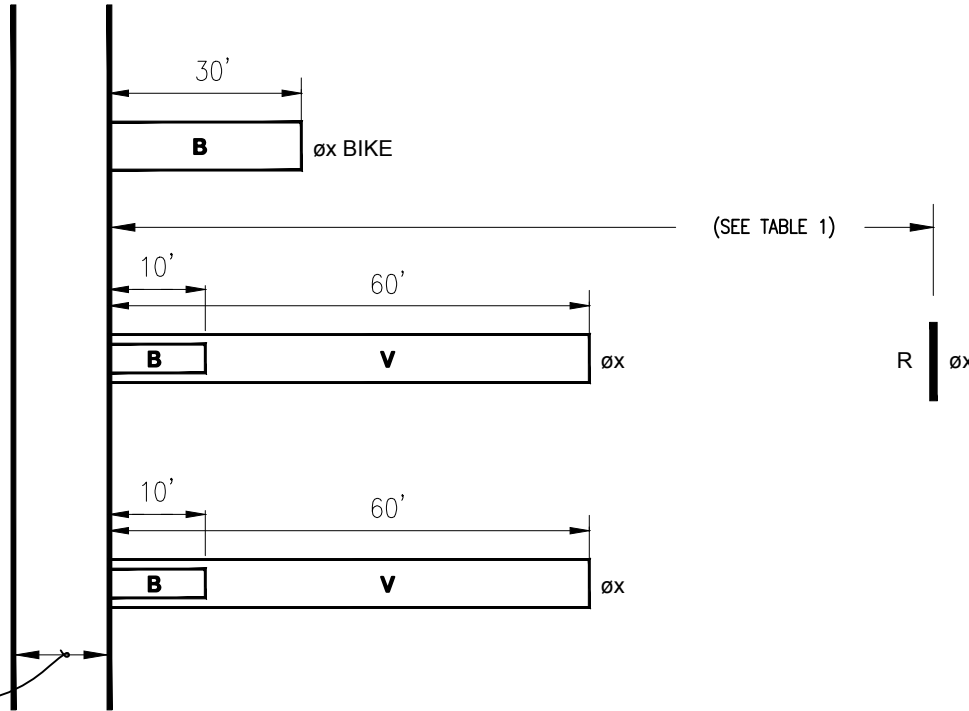
*[Signature]*  
CHIEF, DEPT. OF TRANSPORTATION

**BIKE LANE**

**THROUGH LANE ON THOROUGHFARES ARTERIALS OR OTHER STREETS WHERE ADVANCE DETECTION IS REQ.**

**LEFT TURN LANE, RIGHT TURN LANE, OR THROUGH LANE WHEN ADVANCE DETECTION IS NOT REQUIRED**

CROSSWALK OR LIMIT LINE



**TABLE 1: ADVANCE DETECTION RADAR TRIP LINE**

Design Speed (mph)	Distance (feet)
35	200
40	250
45	300
50	350
55	400
60	475
65	550

**NOTES:**

1. WIDTH OF DETECTION ZONES SHOWN ON PLANS IS SCHEMATIC. ACTUAL WIDTH OF DETECTION ZONES TO BE IN ACCORDANCE WITH BEST PRACTICE DETECTION ZONE DRAWING AS DETERMINED BY THE DETECTION UNIT MANUFACTURER.
2. BICYCLE AND VEHICLE DETECTION ZONES ARE INDEPENDENT AND OVERLAID.
3. B = BICYCLE VIDEO DETECTION ZONE
4. R = RADAR TRIP LINE
5. V = VEHICLE VIDEO DETECTION ZONE

*[Signature]*  
CHIEF, DEPT. OF TRANSPORTATION

**COUNTY OF SACRAMENTO**

**VIDEO DETECTION LOCATION DETAILS**

SCALE: NONE  
DATE: 09/2024  
DRAWN BY: TRS

**5 - 19**



**THROUGH LANE ON ARTERIALS OR THOROUGHFARES**

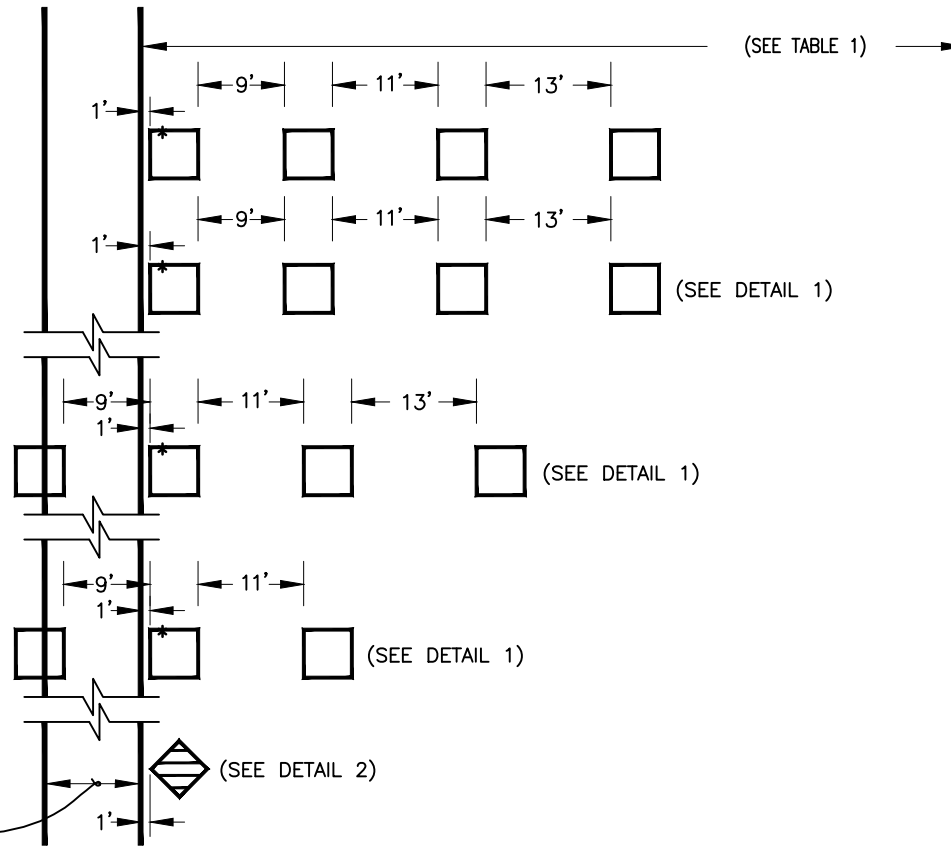
**LEFT TURN LANE ON ARTERIALS OR THOROUGHFARES**

**THROUGH OR LEFT TURN LANE ON COLLECTORS**

**RIGHT TURN LANE (SEE NOTE 1)**

**BIKE LANES**

CROSSWALK



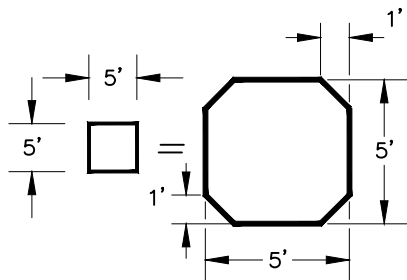
ADVANCE LOOP  
(SEE DETAIL 1)

**TABLE 1: DENSITY DETECTION**

Design Speed (mph)	Distance (feet)
40	250
45	300
50	350
55	400
60	450

**NOTES:**

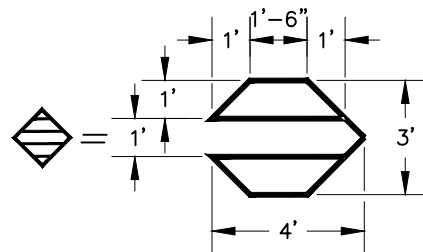
1. LOOP DETECTORS ON RIGHT TURN LANES ARE NOT NECESSARY FOR ARTERIAL OR THOROUGHFARE STREETS WHERE THE CROSS STREET IS A COLLECTOR.
2. SEE DWG. 5-18 FOR LOOP WINDING REQUIREMENTS.
3. USE THIS INFORMATION ONLY IF PLANS CALL FOR INSTALLATION OF LOOP DETECTORS. COUNTY STANDARD IS VIDEO DETECTION WHICH DOES NOT REQUIRE INSTALLATION OF LOOPS.



DIRECTION OF TRAVEL

MODIFIED TYPE A DETECTOR LOOP  
PER COUNTY STD DWG 5-18 &  
CALTRANS STD PLAN ES-5A

**DETAIL 1**



DIRECTION OF TRAVEL

MODIFIED TYPE D DETECTOR LOOP  
PER COUNTY STD DWG 5-18 &  
CALTRANS STD PLAN ES-5B

**DETAIL 2**



LOOP DETECTOR AT STOP BAR TO HAVE 4 TURNS AND SHALL BE CONNECTED TO ITS OWN DETECTOR LEAD-IN CABLE (DLC). ALL OTHER PRESENSE LOOPS IN THE SAME LANE SHALL BE CONNECTED TO ANOTHER DETECTOR LEAD-IN CABLE (DLC).

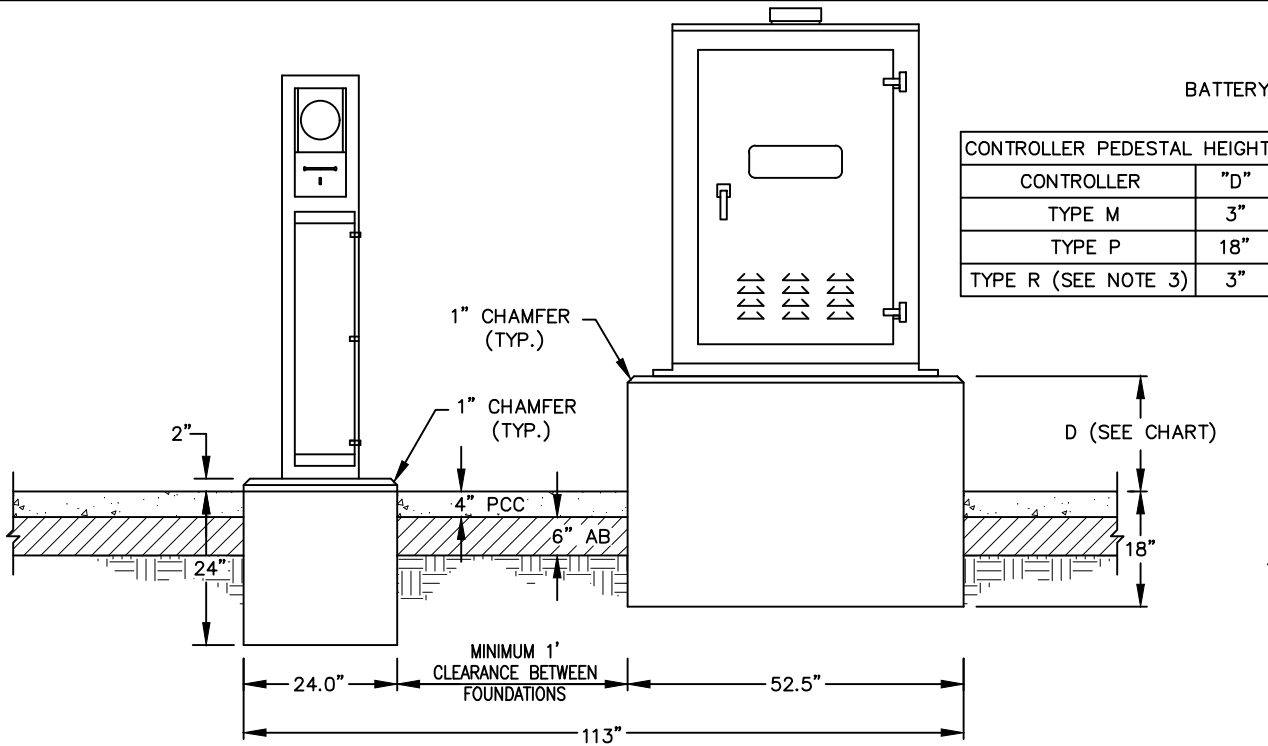
*[Signature]*  
CHIEF, DEPT. OF TRANSPORTATION

**COUNTY OF SACRAMENTO**

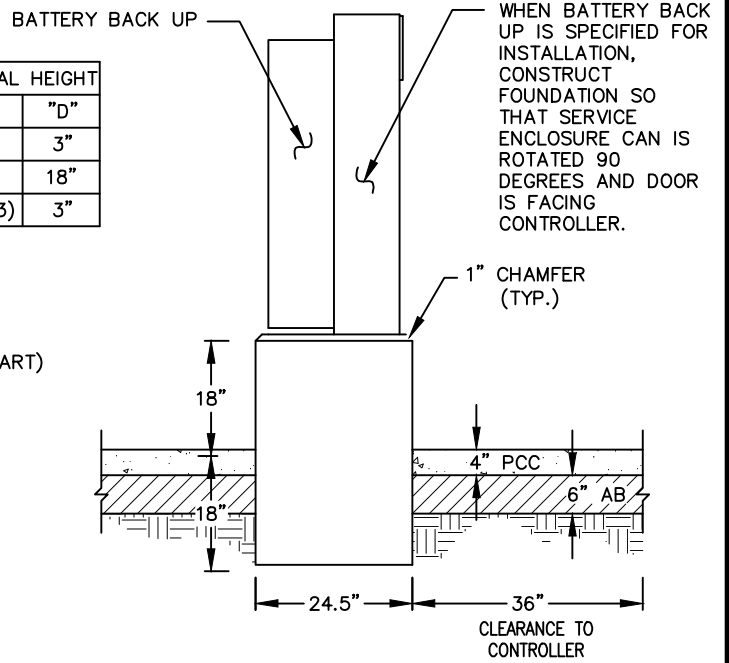
**DETECTOR LOOP  
LOCATION  
DETAILS**

SCALE: NONE  
DATE: 09/2024  
DRAWN BY: TRS

**5 - 19A**

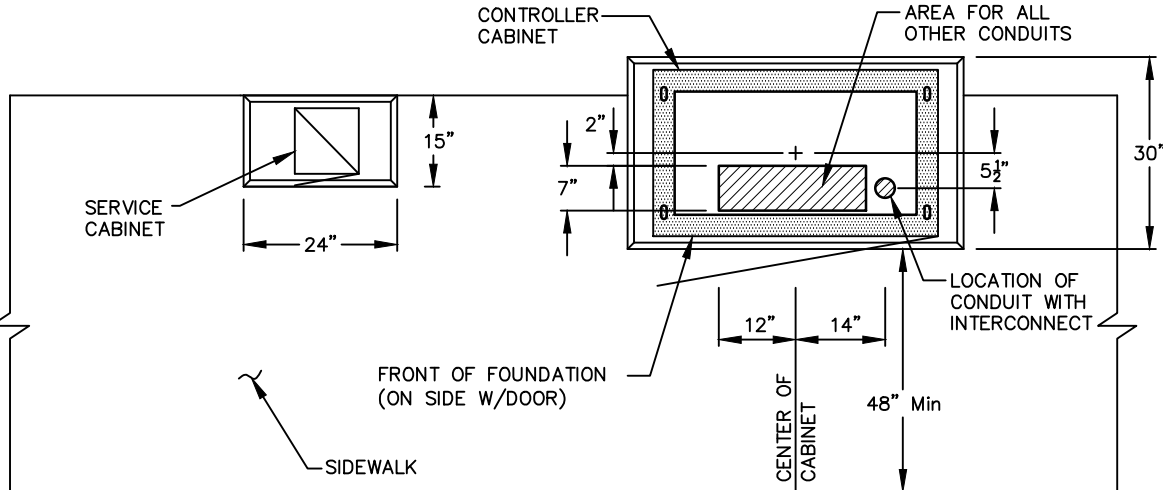


**WITHOUT BATTERY BACK UP**



**WITH BATTERY BACK UP**

SEE NOTE 2

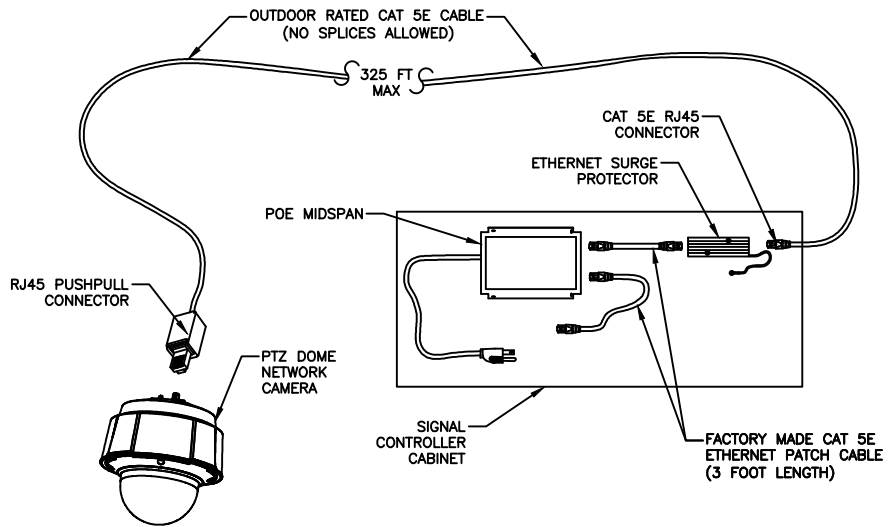


**NOTES:**

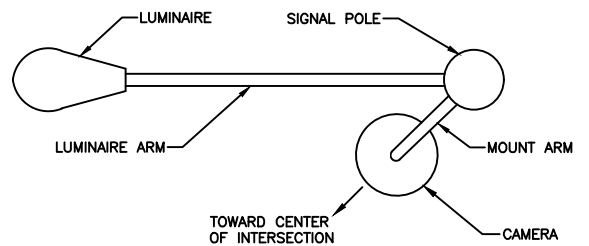
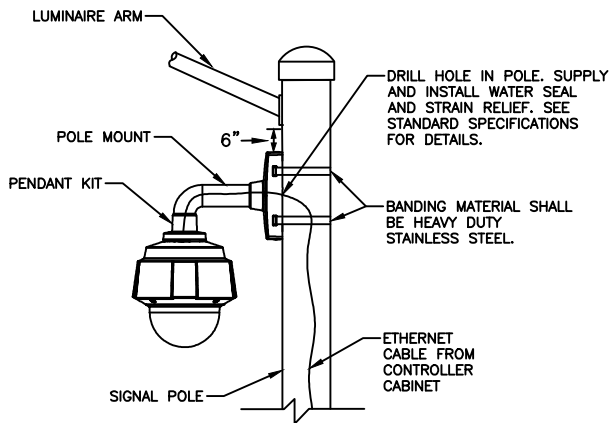
1. INSTALLATION OF CABINET FOUNDATION PARTIALLY BEHIND BACK OF WALK MAY REQUIRE ADDITIONAL RIGHT-OF-WAY OR EASEMENT.
2. USE OF BATTERY BACK UP SHALL ONLY BE USED WHEN SPECIFIED ON PROJECT PLANS.
3. TYPE R CABINET IS STANDARD UNLESS OTHERWISE APPROVED BY THE DIRECTOR.

*[Signature]*  
 CHIEF, DEPT. OF TRANSPORTATION

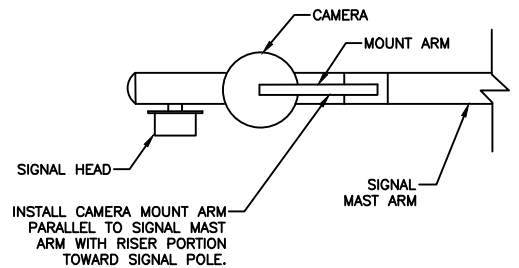
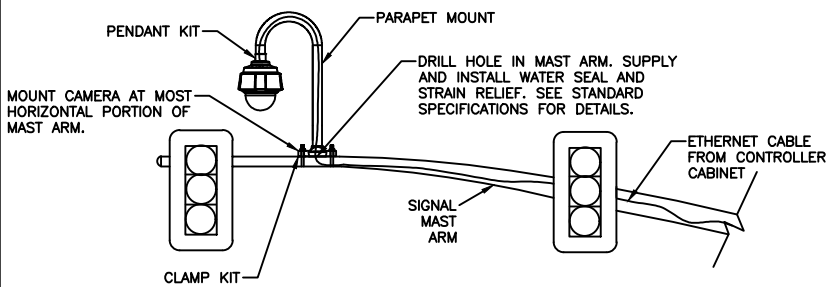
<b>COUNTY OF SACRAMENTO</b>	
<b>TRAFFIC SIGNAL CONTROLLER CABINET AND SERVICE CAN WITH BATTERY BACKUP FOUNDATIONS</b>	
SCALE: NONE	<b>5 - 20</b>
DATE: 09/2024	
DRAWN BY: JAS	



POLE MOUNT (STANDARD INSTALLATION)



\*MAST ARM MOUNT (ALTERNATE INSTALLATION)



\*USE OF MAST ARM MOUNT REQUIRES PRE-APPROVAL FROM TRAFFIC SIGNAL MAINTENANCE AND TRAFFIC SIGNAL OPERATIONS.

*[Signature]*  
 CHIEF, DEPT. OF TRANSPORTATION

**COUNTY OF SACRAMENTO**

**IP CAMERA MOUNTING  
 LOCATION AND  
 CONNECTION DETAIL**

SCALE: NTS  
 DATE: 09/2024  
 DRAWN BY: TRS

**5-21**

**3-DIMENSIONAL VIEW**

SPLICE BOX COVER SHALL BE A 20K RATED, 30"x48"x3" TWO-PIECE POLYMER CONCRETE COVER (ARMORCAST PART #A6001470HD OR APPROVED EQUAL).

NON-SKID SURFACE

LIFT PIN

SPLICE BOX COVER TO BE MARKED "TRAFFIC" AND "COMMUNICATION." LETTERS TO BE 1" TO 3" HIGH

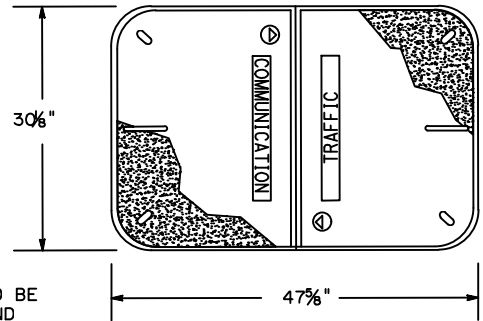
SUPPORT BEAM

LIFTING BOLTS (X4)

THE SPLICE BOX SHALL BE A 20K RATED, 30"x48"x24" POLYMER CONCRETE BOX (ARMORCAST PART #A6001430HDAPCX24 OR APPROVED EQUAL).

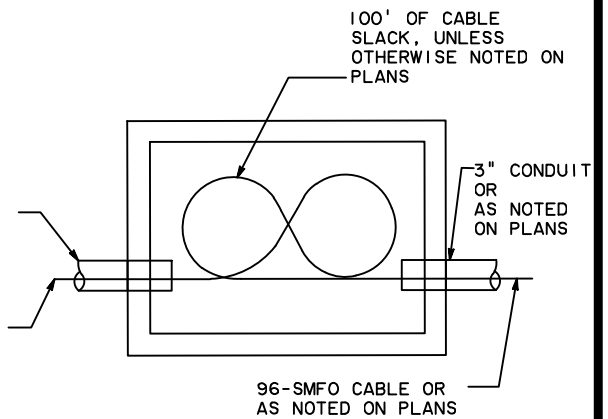
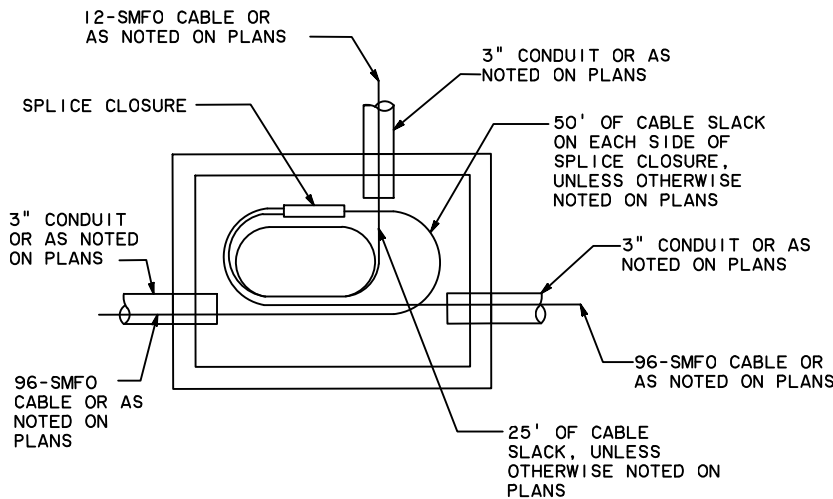
OPEN BOTTOM (SEE GENERAL NOTE 7 ON STANDARD DRAWING 5-22B FOR DETAILS)

**TOP VIEW**



**WITH SPLICE**

**WITH NO SPLICE**



**COUNTY OF SACRAMENTO**

**FIBER SPLICE BOX  
BOX AND SPLICE  
DETAILS**

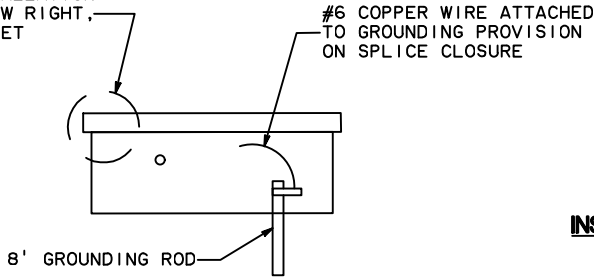
SCALE: NTS  
DATE: 09/2024  
DRAWN BY: TRS

**5-22A**

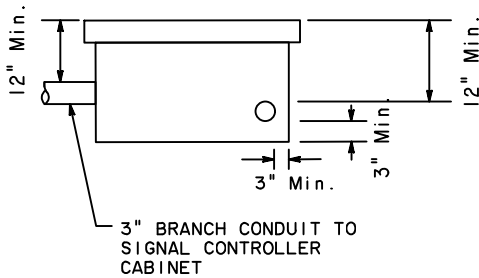
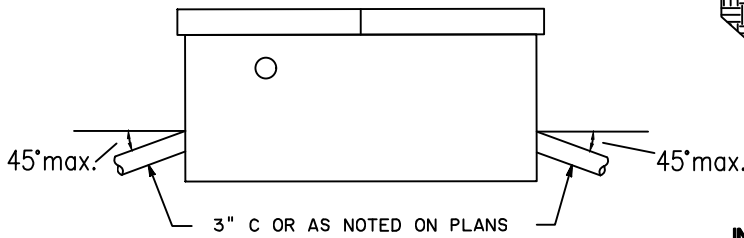
*[Signature]*  
CHIEF, DEPT. OF TRANSPORTATION

**INSTALLATION DETAILS**

FOR INSTALLATION  
SEE BELOW RIGHT,  
THIS SHEET



**SIDE AND END VIEW**



**GENERAL NOTES:**

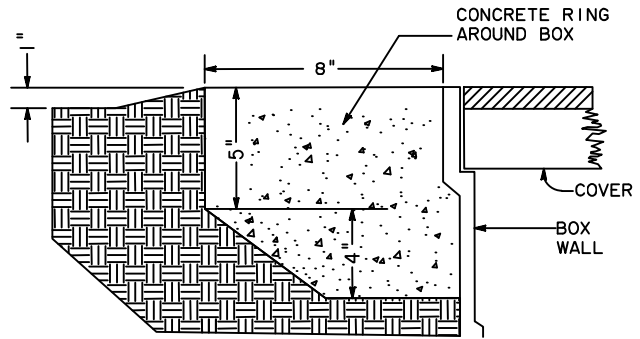
1. AFTER INSTALLATION OF CONDUCTORS AND/OR FIBER OPTIC CABLE, ALL CONDUITS SHALL BE SEALED PER THE STANDARD CONSTRUCTION SPECIFICATIONS.
2. ALL GROUND CONNECTIONS SHALL BE COATED WITH OXIDATION PROHIBITING COMPOUND.
3. THE BOX SHALL BE CAULKED AFTER ALL KNOWN ENTRANCES HAVE BEEN MADE.
4. BOXES SHALL NOT BE WITHIN THE BOUNDARIES OF NEW OR EXISTING SIDEWALK RAMPS OR DRIVEWAYS.
5. WHEN SPLICE BOX IS INSTALLED IN SIDEWALK AREA, THE DEPTH OF THE SPLICE BOX SHALL BE ADJUSTED SO THAT THE TOP OF THE BOX IS FLUSH WITH THE TOP OF THE SIDEWALK.
6. ALL COVERS AND BOXES 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". TOP OUTSIDE EDGE OF ALL CONCRETE COVERS AND BOXES SHALL HAVE A 1/8" MINIMUM RADIUS.
7. THE SPLICE BOX SHALL BE OPEN BOTTOM AND BEDDED ON A 6" MIN LAYER OF 3/4" CRUSHED ROCK AND SHALL BE GROUTED PRIOR TO THE INSTALLATION OF CONDUCTORS AND/OR FIBER OPTIC CABLE. 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 BOX THROUGH THE GROUT AND THE ROOFING PAPER. SEE SPECIAL PROVISIONS FOR ADDITIONAL DETAILS.

*[Signature]*  
CHIEF, DEPT. OF TRANSPORTATION

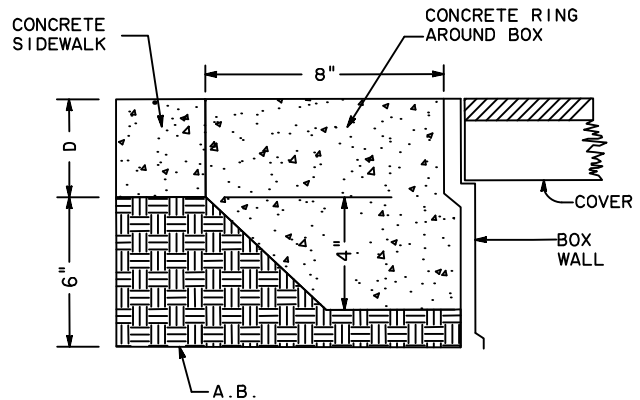
**INSTALLATION NOTES:**

1. CONCRETE RING SHALL BE MINOR CONCRETE.
2. DIMENSION (D) TO BE EQUAL TO COUNTY STANDARD SIDEWALK DEPTH.
3. A.B. UNDER SIDEWALK PER COUNTY STANDARD.
4. PAVEMENT AND SUBGRADE TO BE PER PLAN OR AS DIRECTED BY THE ENGINEER.

**INSTALLATION IN COMPACTED EARTH**



**INSTALLATION IN CONCRETE SIDEWALK**

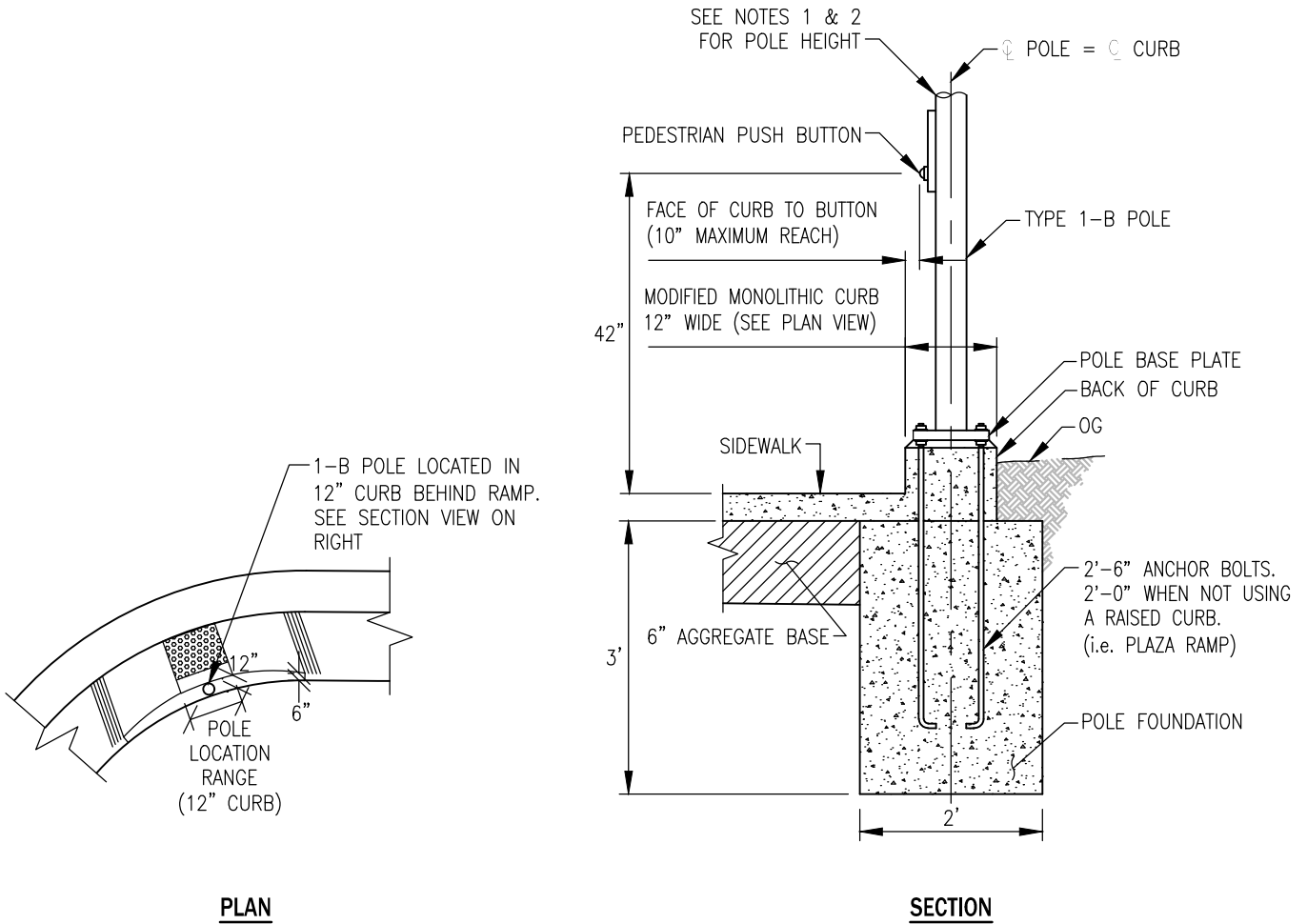


COUNTY OF SACRAMENTO

FIBER SPLICE BOX  
INSTALLATION DETAILS  
AND NOTES

SCALE: NTS  
DATE: 09/2024  
DRAWN BY: TRS

5-22B

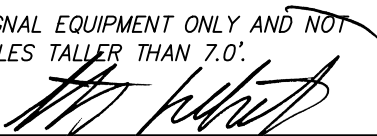


**PLAN**

**SECTION**

**NOTES:**

1. FOR POLES WITH PUSH BUTTON ONLY, HEIGHT SHALL BE 5.0' WITH THREADED CAP.
2. FOR POLES WITH PUSH BUTTON AND PEDESTRIAN HEADS, HEIGHT SHALL BE 7.0' WITH PEDESTRIAN HEAD ON TOP.
3. THIS DETAIL IS FOR PEDESTRIAN SIGNAL EQUIPMENT ONLY AND NOT FOR TRAFFIC SIGNAL HEADS OR POLES TALLER THAN 7.0'.

  
 CHIEF, DEPT. OF TRANSPORTATION

**COUNTY OF SACRAMENTO**

**ALTERNATE  
1-B SIGNAL POLE  
DETAIL**

SCALE: NONE  
 DATE: 09/2024  
 DRAWN BY: JTW

**5-23**