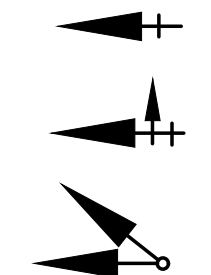
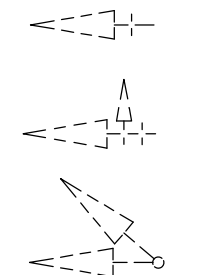


## LEGEND

### EXISTING

### PROPOSED



EMERGENCY VEHICLE DETECTOR (EV)

TRAFFIC SIGNAL FACE WITH BACK PLATE  
TRAFFIC SIGNAL FACE WITH 12" ARROW SECTIONS

TYPE 1 STANDARD AND ATTACHED TRAFFIC SIGNAL FACES

STANDARD WITH SIGNAL MAST ARM ONLY AND ATTACHED TRAFFIC SIGNAL FACES

STANDARD WITH SIGNAL AND LUMINAIRE MAST ARMS AND ATTACHED TRAFFIC SIGNAL FACES AND LUMINAIRE

INDUCTIVE LOOP DETECTOR, WITH DETECTOR HANDHOLE AND LOCATION OF SAWCUTS

VIDEO DETECTION ZONE

ELECTROLIER, TYPE 15 STANDARD WITH MAST ARM WITH CIRCUIT No. INDICATED.

PEDESTRIAN SIGNAL FACE, 2 SECTIONS  
(INTERNATIONAL SYMBOL)

CONTROLLER CABINET

SERVICE PEDESTAL

CONCRETE PULL BOX No. 5 MINIMUM

PEDESTRIAN PUSH BUTTON

FIRE ALARM BOX

TRAFFIC SIGNAL CONDUIT

OVERHEAD CONDUCTOR

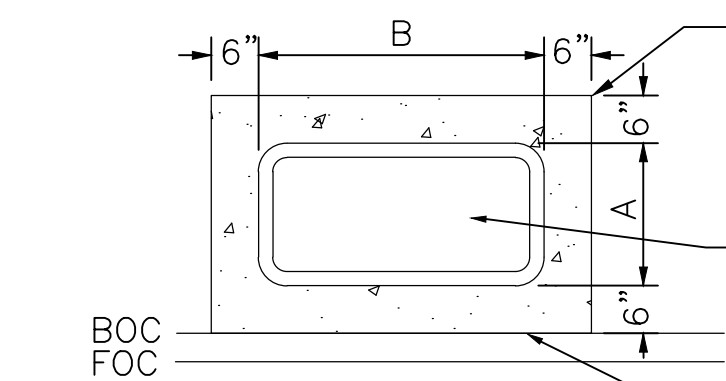
PEDESTRIAN PUSH BUTTON POST

S.M.U.D. SERVICE BOX

POWER POLE

VIDEO DETECTION CAMERA

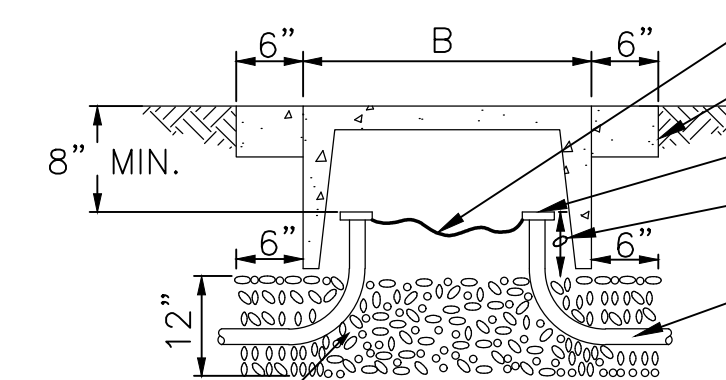
CCTV



EDGES TO BE SAWED TO A DEPTH OF 1-1/2" OR MORE. TYPICAL FOR ALL PULL BOXES.

LOCKABLE LID. SEE SPECIAL PROVISIONS FOR DETAILS.

6" THICK CONCRETE COLLAR. TYPICAL FOR ALL PULL BOXES.



GROUND BUSHING BOND

CONCRETE COLLAR

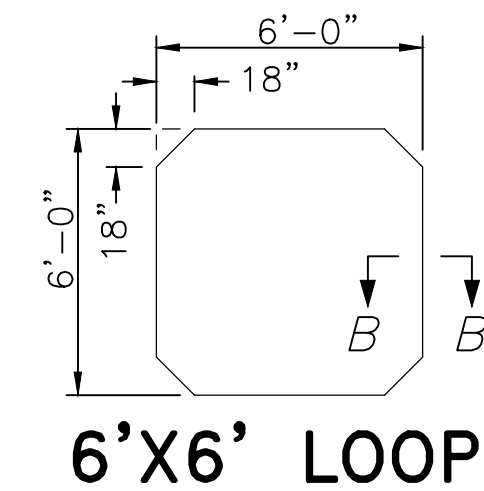
GROUND BUSHING

MAX. 4" TO MIN. 3"

90 DEGREE SWEEP INTO PULL BOX

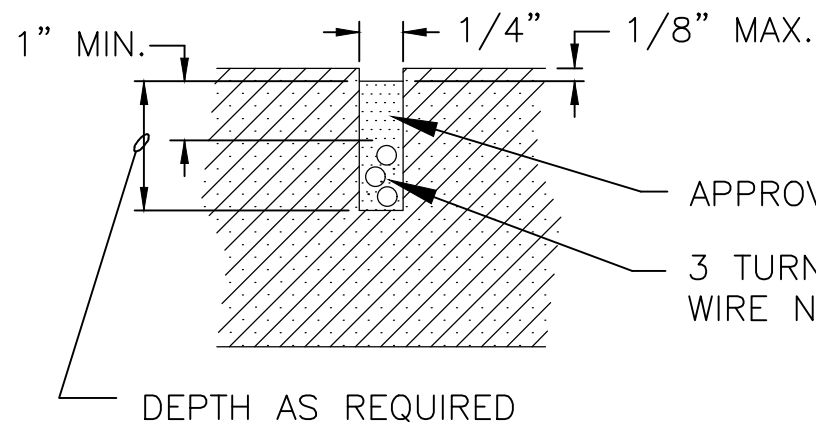
INSTALL PULL BOX ON TOP OF CRUSHED ROCK FOUNDATION. ADJUST PULL BOX TO GRADE. THE CRUSHED ROCK FOUNDATION SHALL HAVE A MINIMUM OF 12" IN DEPTH AND CONTINUE TO EXTEND A MINIMUM OF 6" BEYOND THE OUTSIDE EDGE OF THE PULL BOX. COMPACT CRUSHED ROCK WHILE MAINTAINING INTEGRITY OF CONDUIT. CONDUIT AND PULL BOX SHALL NOT BE DAMAGED NOR CRACKED.

## CONCRETE PULL BOX

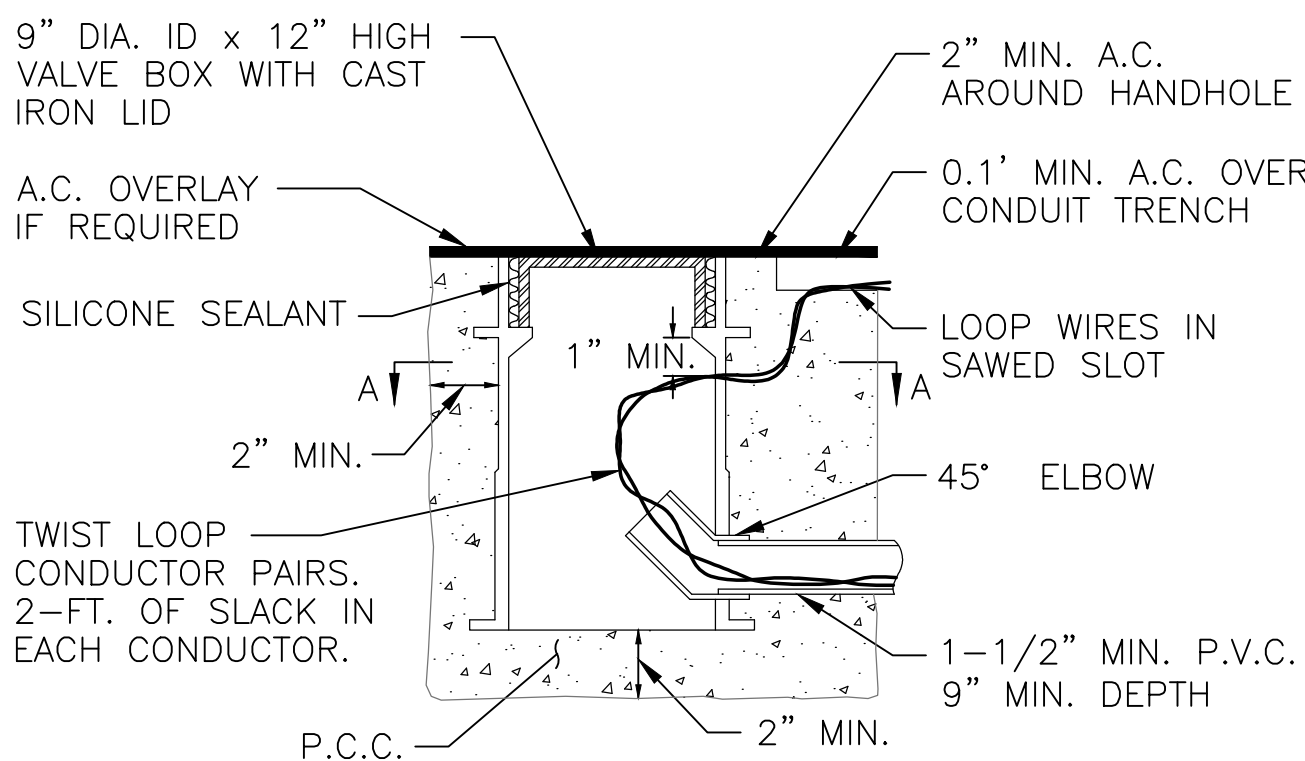


LOOPS SHALL BE 6'X6' FOR LANE WIDTH > 11', UNLESS OTHERWISE SPECIFIED

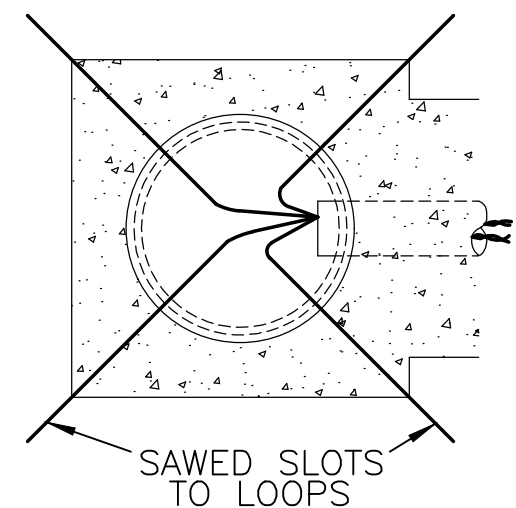
LOOPS SHALL BE 5'X5' FOR LANE WIDTH LESS THAN OR EQUAL TO 10', UNLESS OTHERWISE SPECIFIED



## SECTION B-B LOOP SAW CUTTING DETAIL



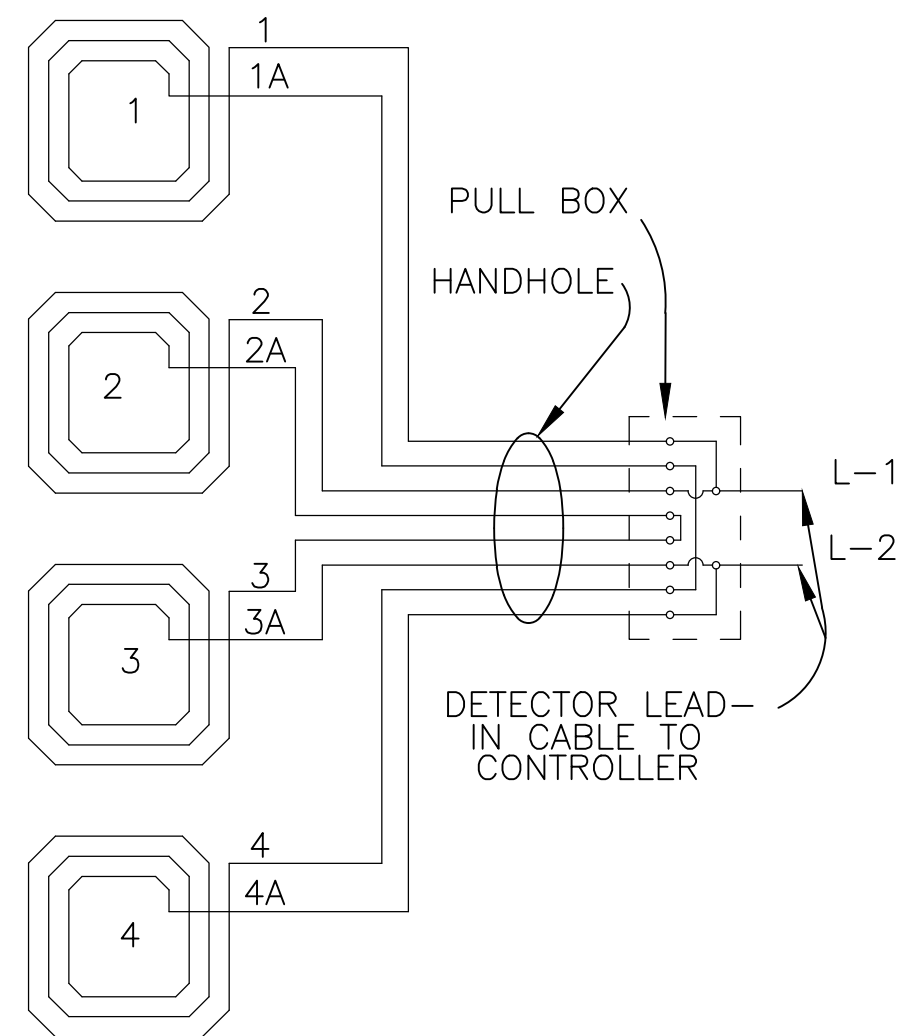
## TYPE 'B' DETECTOR



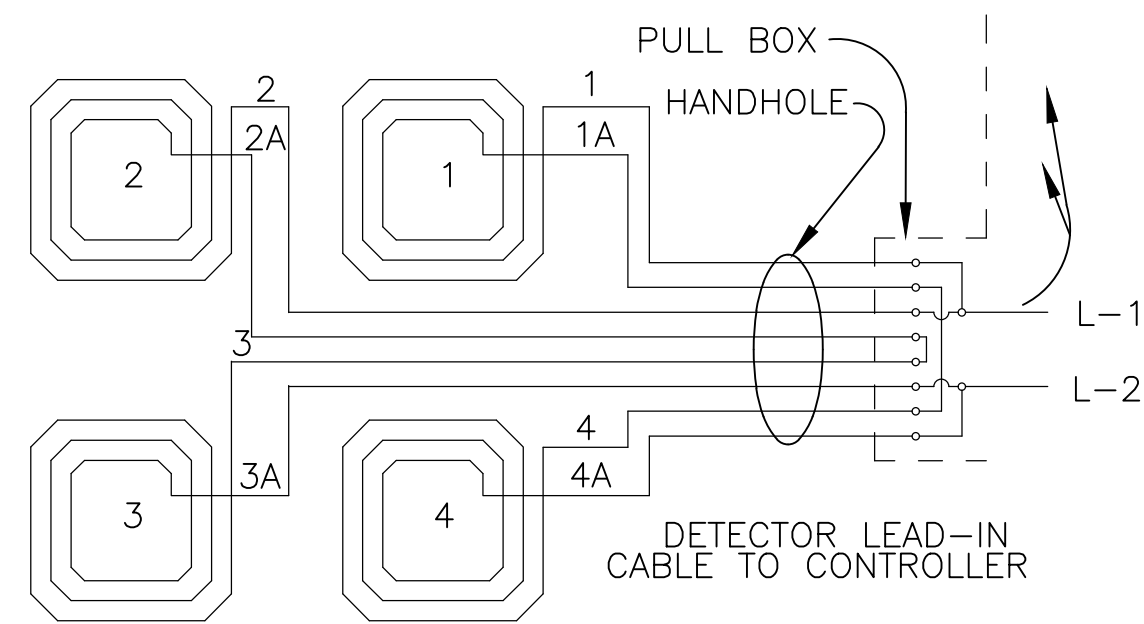
## SECTION A-A DETECTOR HANDHOLE

## TYPE 'B' DETECTOR HANDHOLE INSTALLATION REQUIREMENTS:

1. OUTLINE OF TRENCH SHALL BE SAW CUT TO A MINIMUM DEPTH OF 3" EXCEPT WHERE AC OVERLAY IS TO BE PLACED.
2. THE PRECAST VALVE BOX WITH CAST IRON LID SHALL BE FABRICATED OF CALCIUM CARBONATE AND POLYESTER RESINS WITH FIBERGLASS REINFORCING AND DESIGNED FOR HEAVY TRAFFIC LOADS.
3. CAST IRON LID SHALL BE MARKED "DETECTOR" AND SHALL BE SECURED IN PLACE BY APPLYING WATERPROOF SILICONE SEALANT. VALVE BOX SHALL BE CENTERED ON LANE LINE, UNLESS OTHERWISE SHOWN ON THE PLANS.
4. THE EXCAVATION AROUND THE HANDHOLE SHALL BE BACKFILLED WITH P.C.C. EXCEPT THE TOP 2" IN AC SURFACED ROADWAYS SHALL BE BACKFILLED WITH AC.
5. THE HANDHOLE SHALL BE PROTECTED WITH COLD PATCH OR OTHER SUITABLE PROTECTION UNTIL PERMANENT AC BACKFILL IS PLACED.



## FOUR LOOPS IN TURN LANE

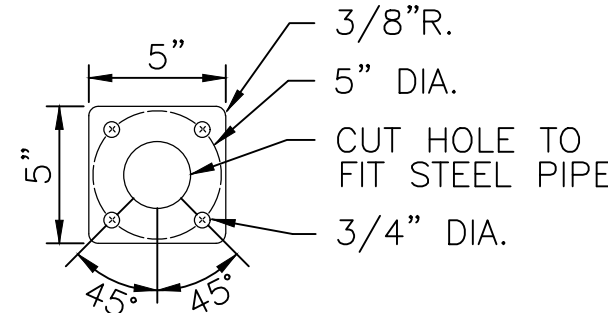


## FOUR LOOPS IN THRU LANES

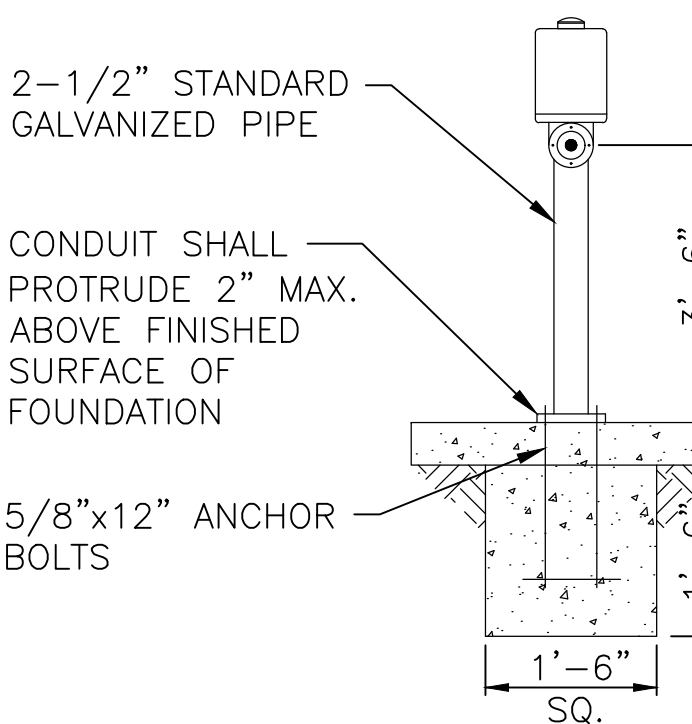
## LOOP WINDING PATTERNS

## GENERAL NOTES

1. ALL WORK TO BE PERFORMED SHALL BE IN ACCORDANCE WITH: CITY OF SACRAMENTO DESIGN & PROCEDURES MANUAL DATED SEPTEMBER 1990., LATEST CITY STANDARDS SPECIFICATIONS, THE LATEST CAL TRANS STANDARD PLANS, AND THE LATEST CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. ALL MATERIAL TO BE REMOVED AND SALVAGED, SHALL BE DELIVERED TO THE CITY CORPORATE CENTER WITHOUT DAMAGE. COORDINATE WITH CITY ENGINEER.
3. ALL TERMINAL COMPARTMENTS LOCATED ON STANDARDS SHALL BE MOUNTED ON THE SIDE FARTEST FROM VEHICULAR TRAFFIC. UNLESS OTHERWISE SPECIFIED, OR DIRECTED BY THE ENGINEER.
4. PULL BOXES SHALL BE PLACED IN SIDEWALK AREAS AND SHALL NOT BE PLACED IN DRIVEWAYS, IN VEHICULAR TRAFFIC LANES, OR IN SIDEWALK HANDICAPPED RAMP AREAS.
5. CONDUCTORS BETWEEN BASE OF ELECTROLIER AND LUMINAIRE SHALL BE No. 10 THW MINIMUM.
6. THREE FEET OF SLACK SHALL BE PROVIDED IN EACH PULL BOX FOR EACH CONDUCTOR.
7. EXACT LOCATIONS OF ALL STANDARDS, PEDESTALS AND CABINETS WILL BE DETERMINED BY THE ENGINEER PRIOR TO INSTALLATION, AND SHALL BE AT LEAST 3 FEET FROM FACE OF CURB.
8. ALL TRAFFIC SIGNAL HEADS SHALL HAVE A BACK PLATE.
9. AT ALL JUNCTIONS SUCH AS PULL BOXES, ELECTROLIER BASES, AND PEDESTALS WHERE PVC CONDUITS ARE INSTALLED, ALL RIGID GALVANIZED CONDUITS AT THESE LOCATIONS SHALL BE PROVIDED WITH GROUNDING BUSHINGS AND CONNECTED TO THE GROUNDING CONDUCTORS.
10. ALL LUMINAIRES SHALL BE SUPPLIED WITHOUT PHOTO CELL RECEPTACLES UNLESS OTHERWISE SPECIFIED.
11. PULL ROPES USED TO PULL CONDUCTORS IN CONDUIT SHALL BE A MINIMUM OF 1/4" IN DIAMETER.
12. SEE SPECIAL PROVISIONS FOR LOOP CONDUCTOR AND LEAD-IN SPECIFICATIONS.
13. LOOP DIMENSIONS SHALL BE 6' x 6' SQUARES LOOPS UNLESS OTHERWISE SHOWN ON THE PLANS.



## PEDESTRIAN PUSH BUTTON PLATE



## PEDESTRIAN PUSH BUTTON POLE

APPROVED BY: Kaleb H. Haile  
KALEB HAILE, SENIOR ELECTRICAL ENGINEER

E-15137  
P.E.

06/15/2021  
DATE

PLANS FOR

STANDARD DETAILS FOR TRAFFIC SIGNAL No. 1

DWG. NO.

SHEET

OF

P.N.

CAD FILE:

REVISIONS				BENCH MARK DESCRIPTION	ELEV. _____	FIELD BOOK N/A
NO.	DESCRIPTION	DATE	BY			

CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS				
DRAWN BY:      STAFF		DESIGNED BY:      STAFF		CHECKED BY:      K. HAILE
DATE		R.E.E.      DATE 06/14/21		
				R.E.E.      E-15137      DATE 06/15/21

PLANS FOR				DWG. NO.
STANDARD DETAILS FOR TRAFFIC SIGNAL No. 1				
PN:				SHEET
				OF