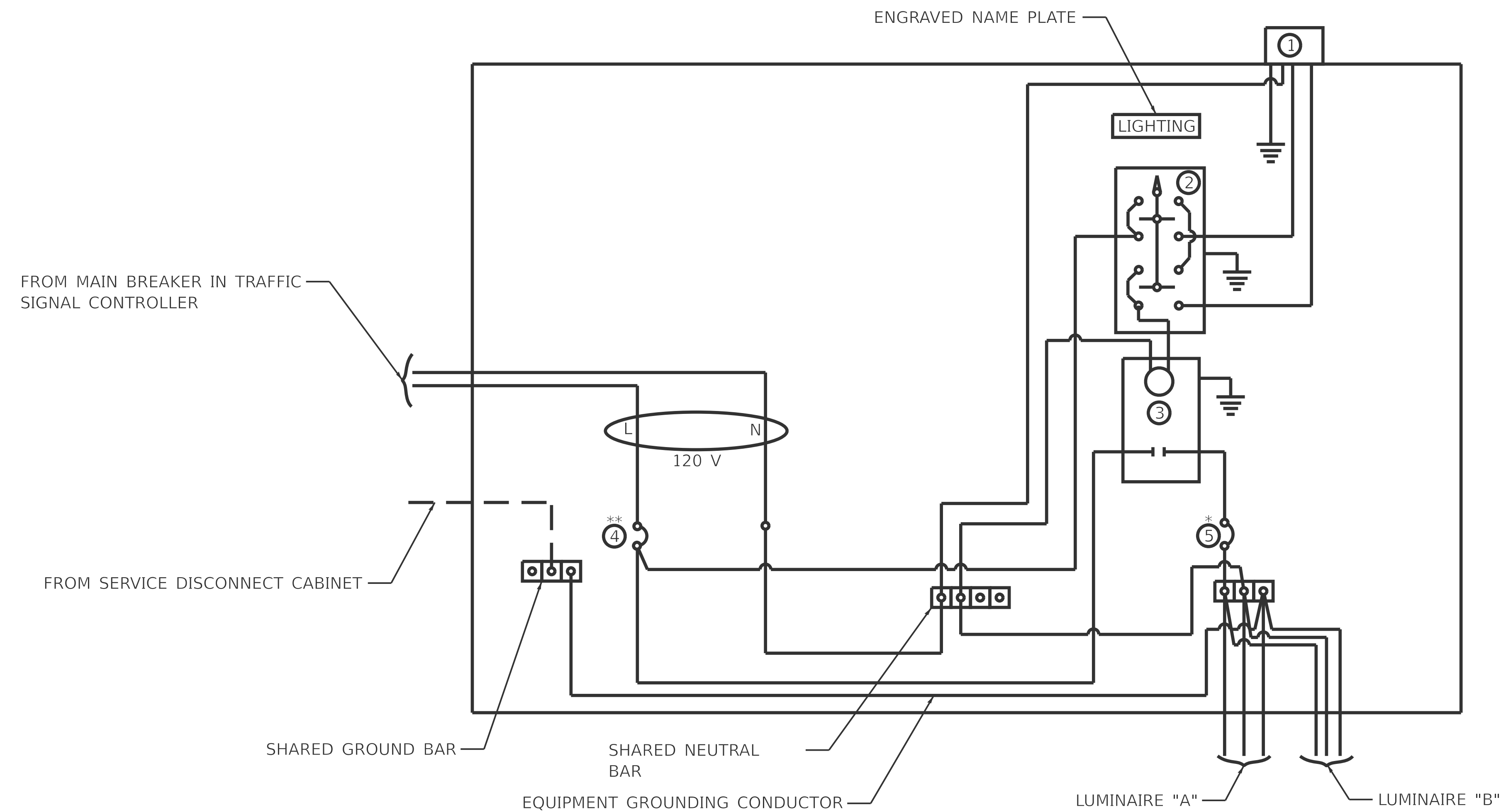




LEGEND

-  GROUND CONNECTED TO SHARED GROUND BAR
-  INDICATES SHARED WITH TRAFFIC SIGNAL CONTROLLER EQUIPMENT
-  PHOTOCELL WITH INTEGRAL SURGE ARRESTER
-  HAND-OFF-AUTO SELECTOR SWITCH
-  30 AMP, 1 POLE, ELECTRICALLY HELD CONTACTOR
-  20 AMP, 1 POLE, CIRCUIT BREAKER
-  15 AMP, 1 POLE, BRANCH BREAKER
- *QUANTITY OF BRANCH BREAKERS SHALL DEPEND ON THE COMBINATION LIGHTING CIRCUIT DIAGRAM OR AS DIRECTED BY THE ENGINEER
- **SIZE LARGER AS NEEDED

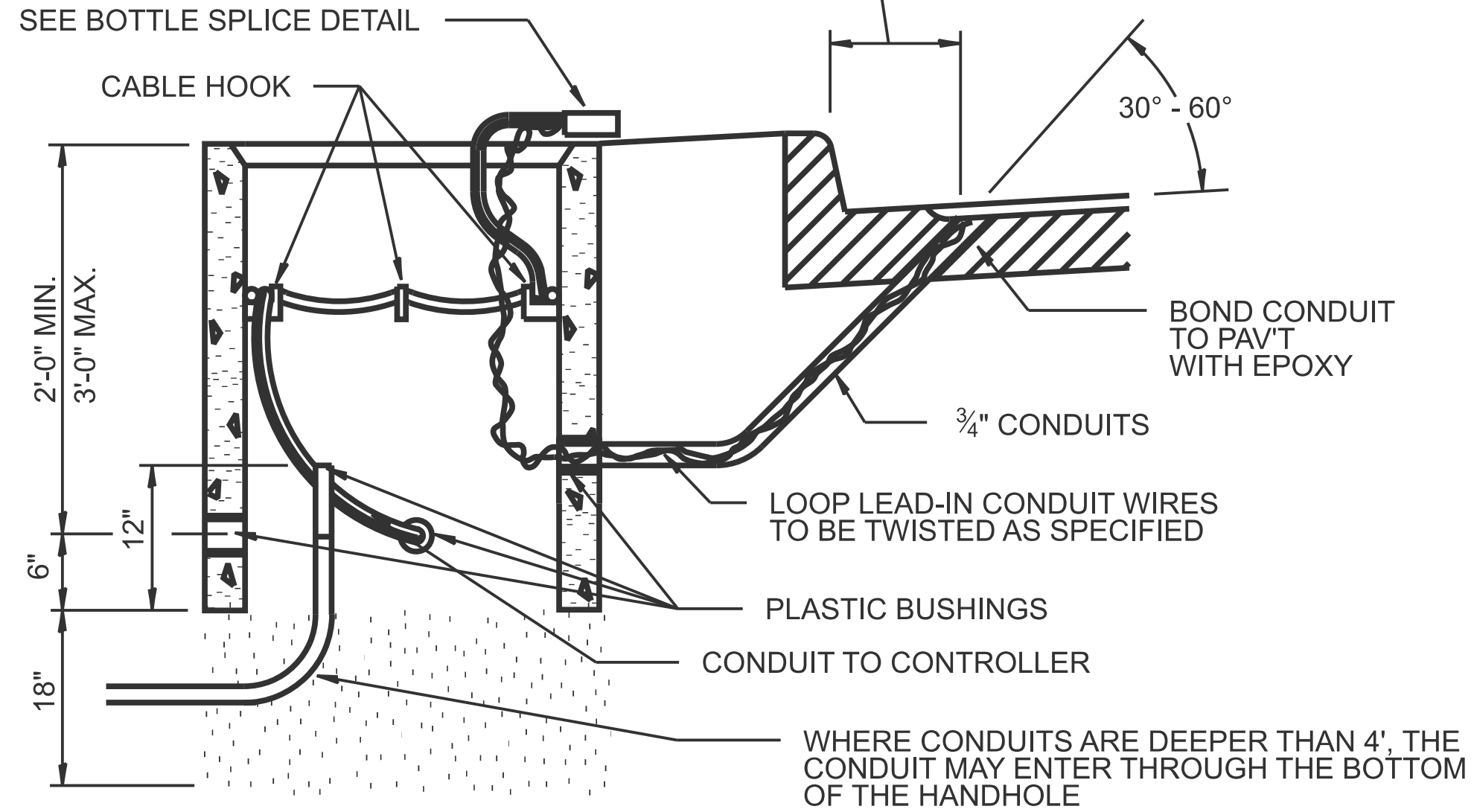
COMBINATION LIGHTING CONTROLLER WIRING DIAGRAM

GENERAL NOTES

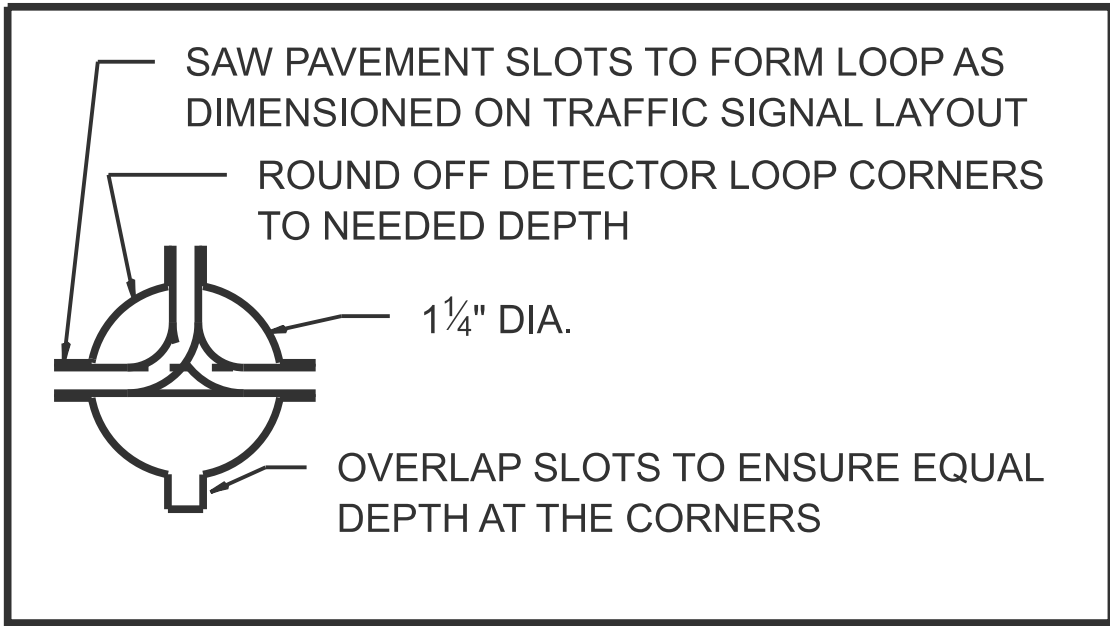
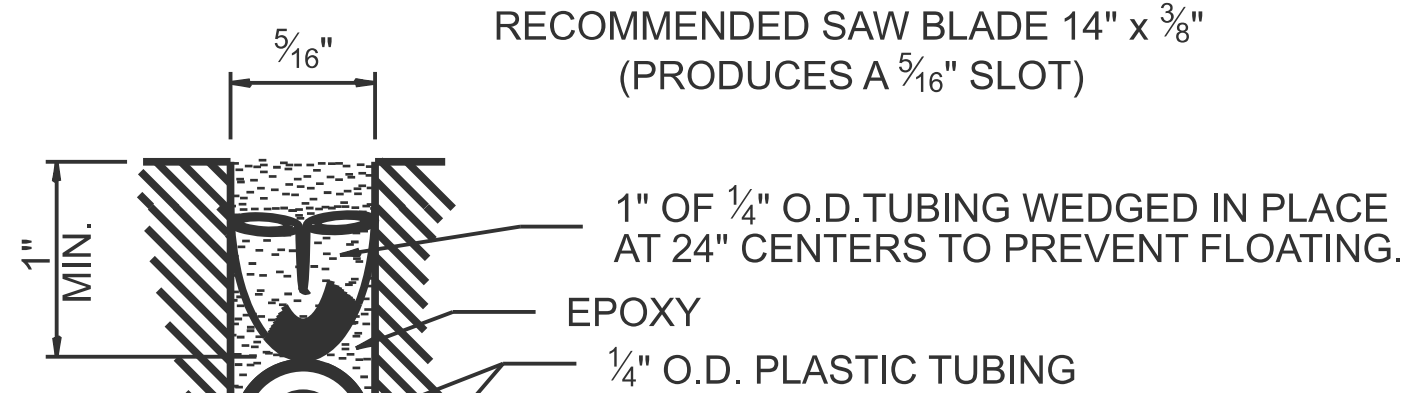
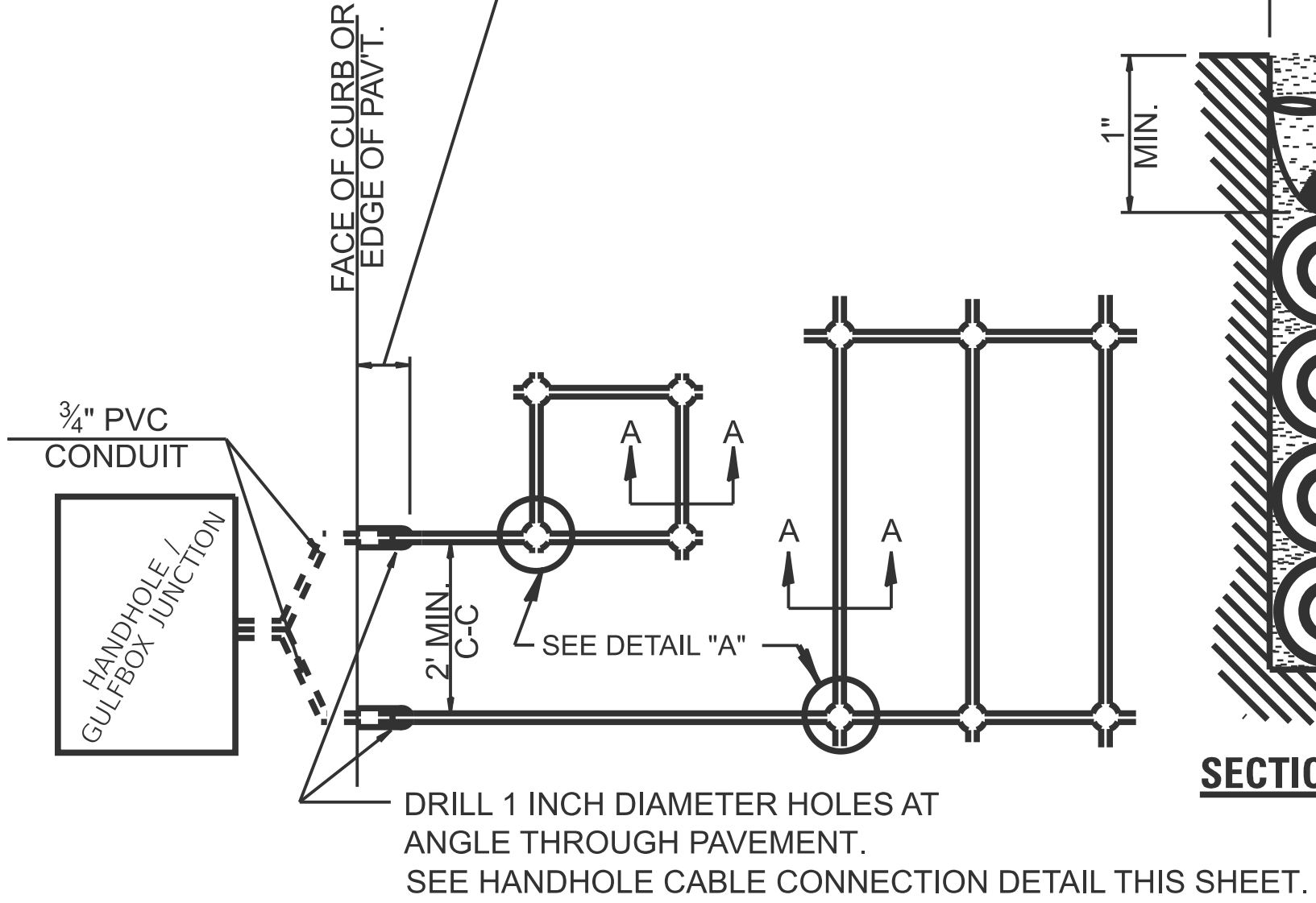
- ALL CONTROL INSTALLATION COMPONENTS SHALL BE U.L. LISTED.
- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED.
- THE CIRCUIT BREAKER SHALL BE CLEARLY LABELED FOR LIGHTING ACCORDING TO ARTICLE 1068.01(e)(f) OF THE STANDARD SPECIFICATIONS.
- INSTALL UNDER EAVE PHOTOCELL ON TRAFFIC SIGNAL CONTROLLER CABINET PER ARTICLE 1068.01(e)(2) OF THE STANDARD SPECIFICATIONS.
- ALL LIGHTING EQUIPMENT SHALL BE INSTALLED ON A SIDE MOUNTED INSULATED SUBPANEL PER ARTICLE 1068.01(e)(9) OF THE STANDARD SPECIFICATIONS ON THE LOWER RIGHT HAND SIDE OF TRAFFIC SIGNAL CONTROLLER OR AS DIRECTED BY THE ENGINEER.
- PROVIDE AN ENGRAVED STAINLESS STEEL NAMEPLATE ON THE SUB PANEL READING "LIGHTING".

LENGTH OF SLACK FOR LOOP LEAD-INS SHALL PROVIDE FOR MAKING THE SPLICE ON TOP OF THE HANDHOLE AND ONE COMPLETE LOOP OF THE INTERIOR OF THE HANDHOLE, THE SPLICE SHALL BE SUPPORTED BY A CABLE HOOK.

THE LOOP LEAD-IN CONDUIT HOLES SHALL BE PLACED AS CLOSE TO THE CURB AS POSSIBLE TO PERMIT SAW OVERLAP WITHOUT SCARRING FACE OF CURB. IN NON-CURB LOCATIONS THE DISTANCE SHALL NOT BE LESS THAN 6 INCHES.

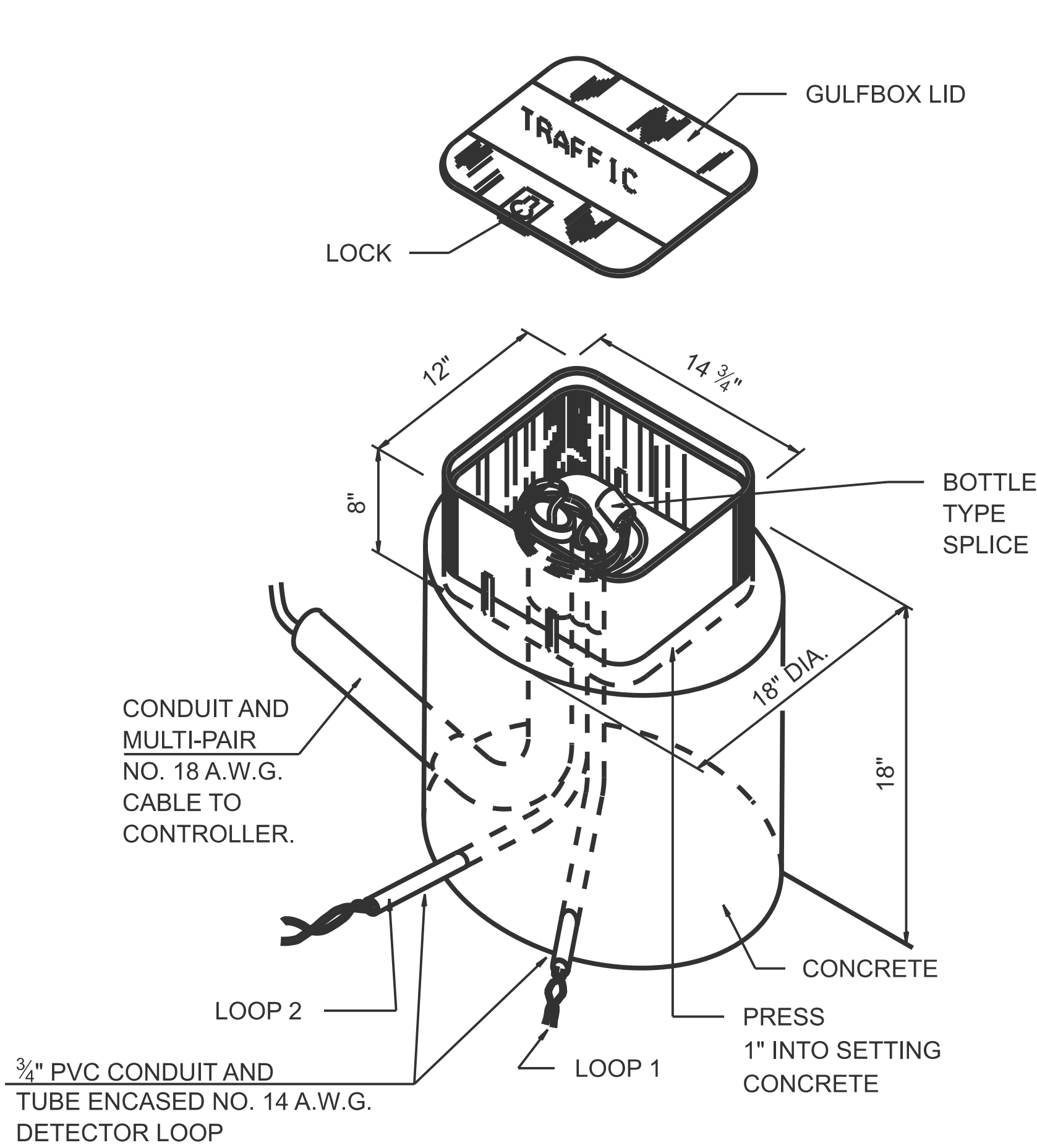


HANDHOLE CABLE CONNECTIONS



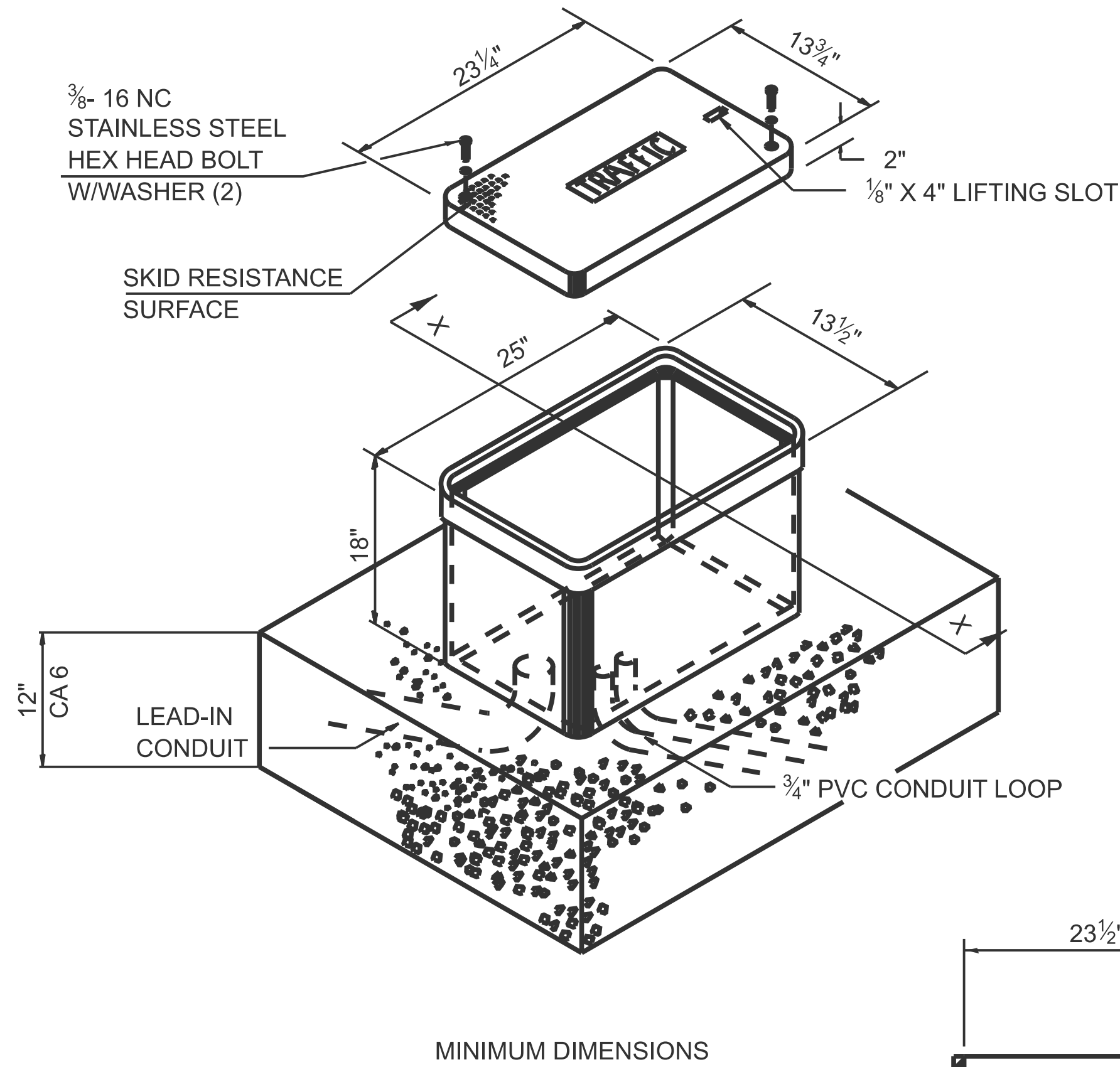
DETAIL A

PAVEMENT SAWING DETAIL FOR TUBE ENCASED DETECTOR LOOP WIRE

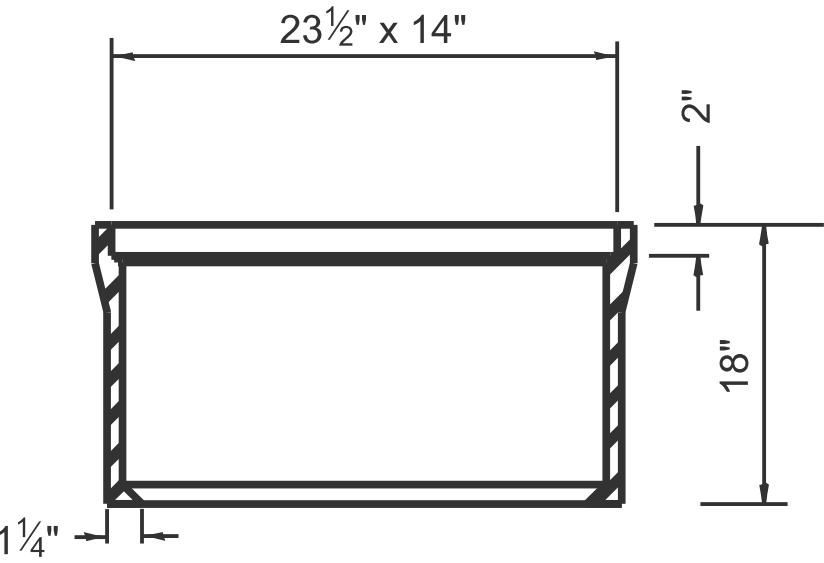


GULFBOX JUNCTION DETAIL

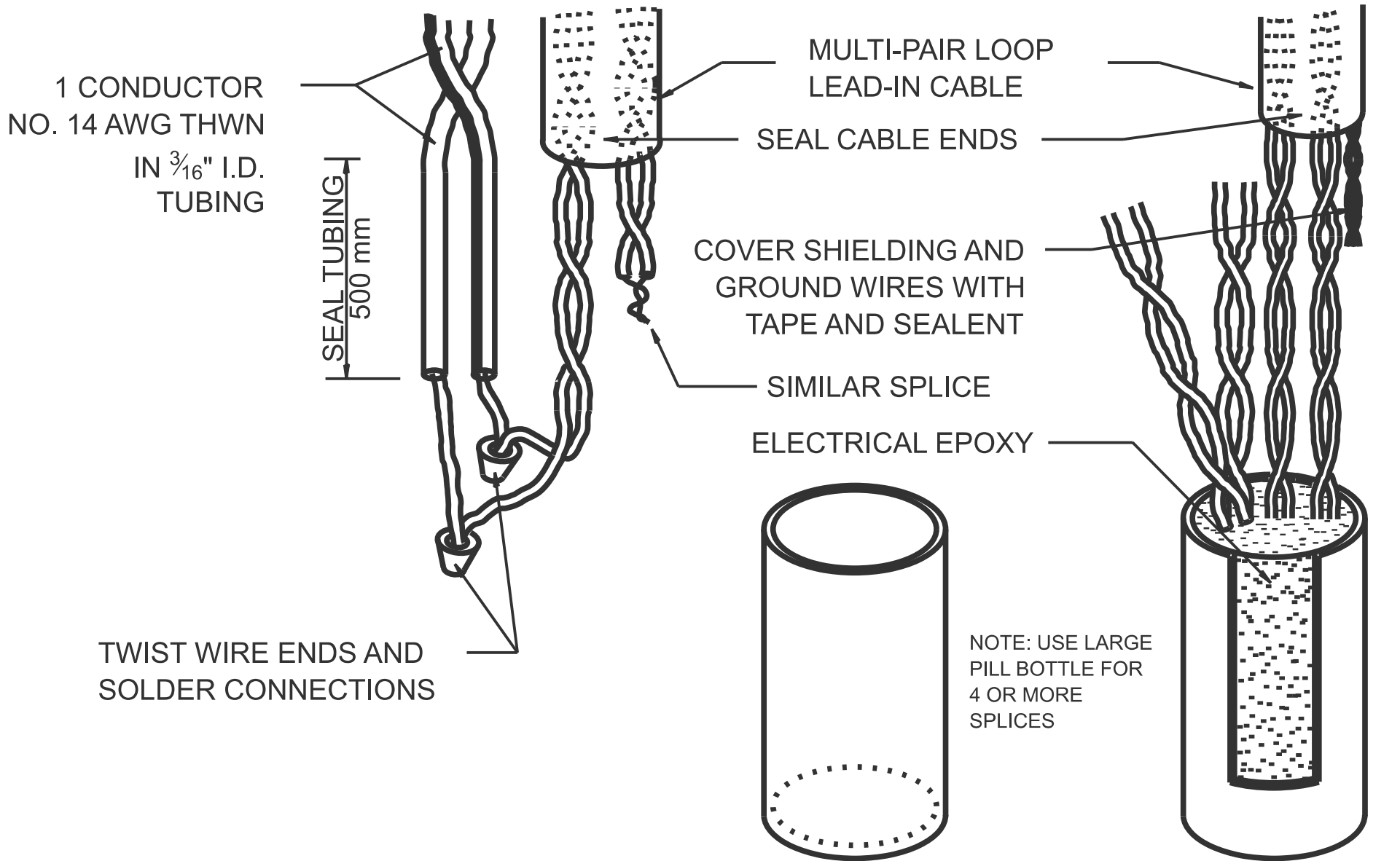
(SHOWING CONNECTION OF TUBE-ENCASED DETECTOR LOOP TO MULTI-PAIR LEAD-IN CABLE)



JUNCTION BOX (SPECIAL)



SECTION X-X

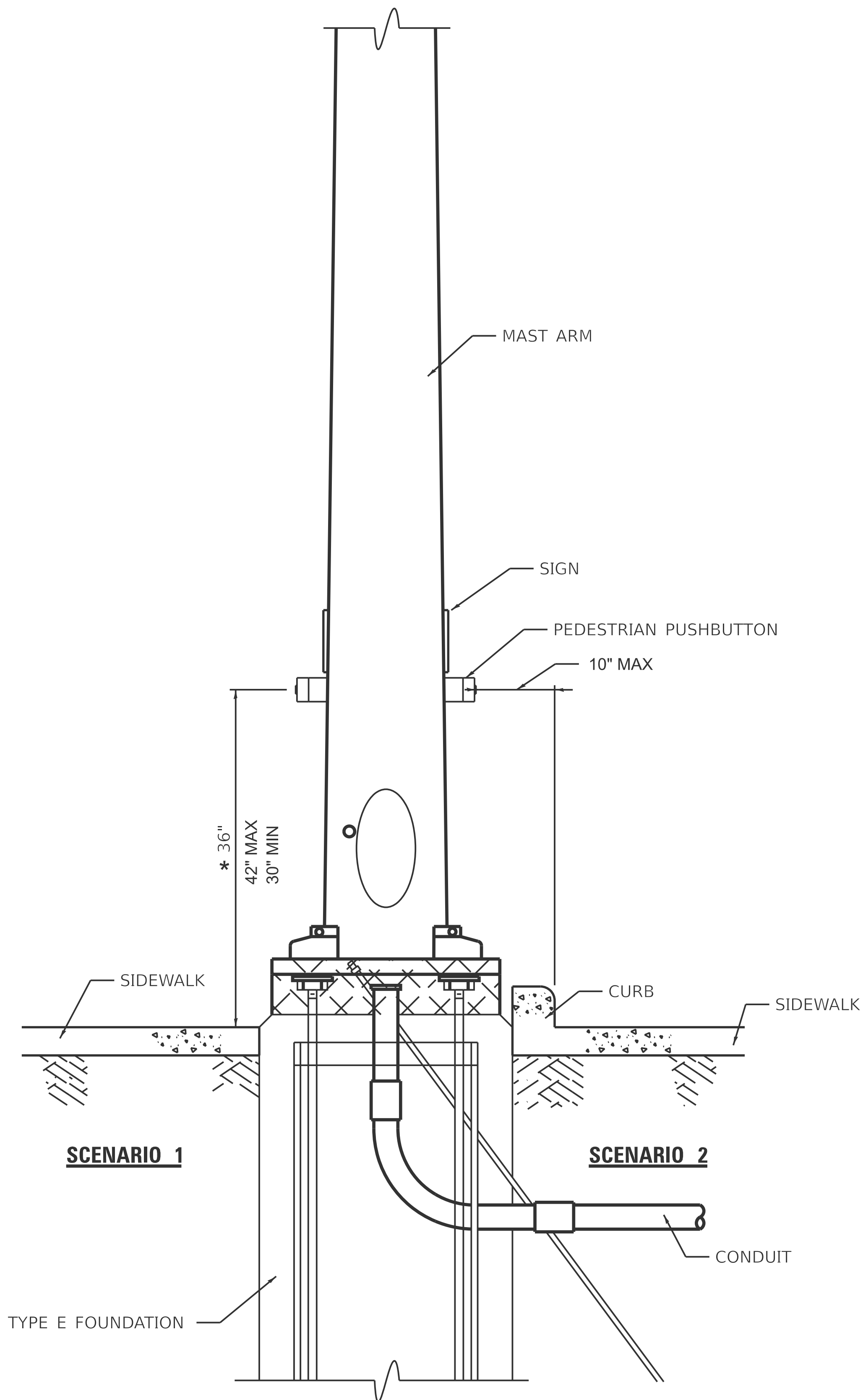


SPLICE

PILL BOTTLE

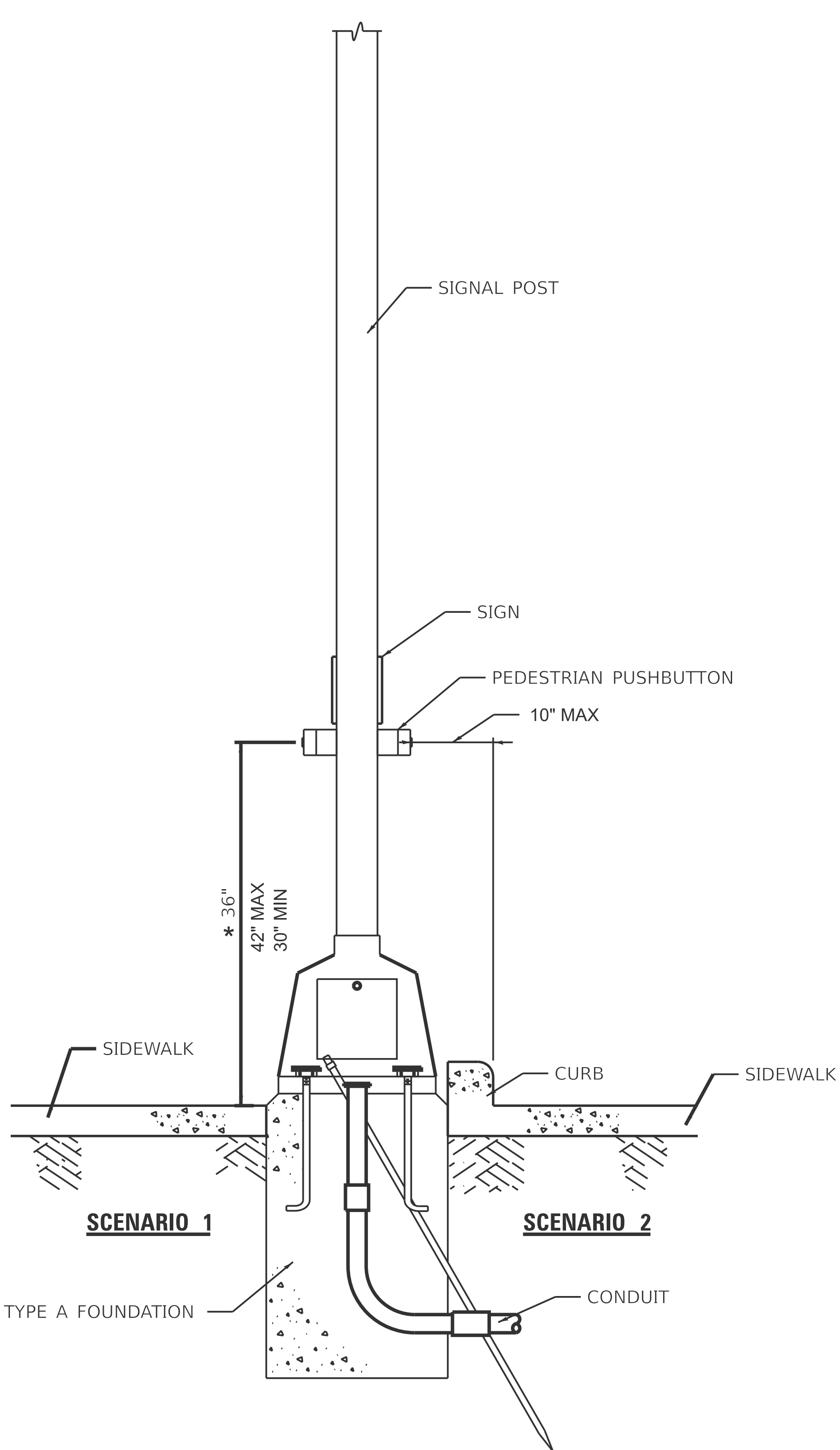
FINISHED SPLICE

BOTTLE SPLICE DETAIL



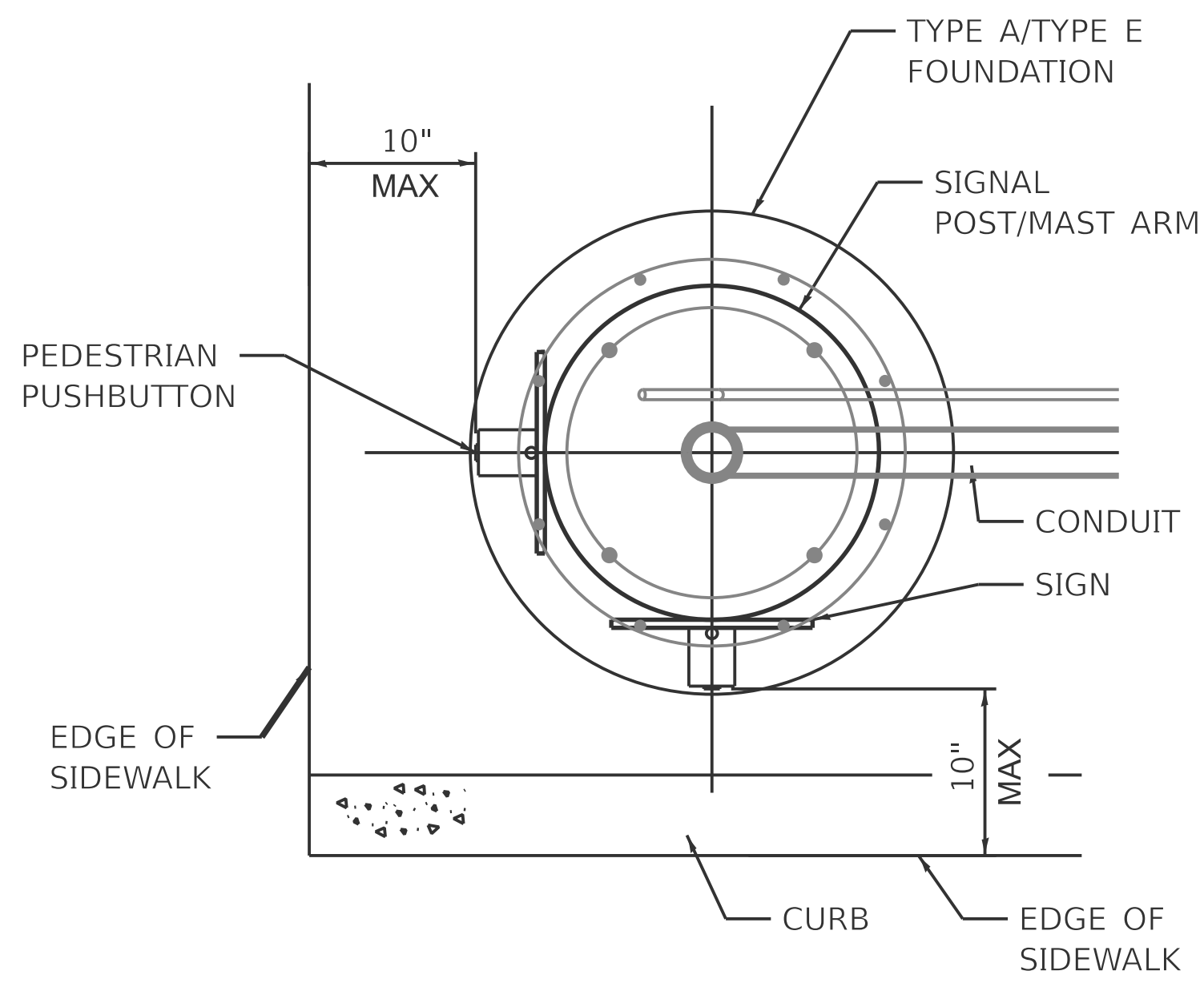
**PEDESTRIAN PUSHBUTTON INSTALLATION,
MAST ARM**

* 36" PREFERRED



**PEDESTRIAN PUSHBUTTON INSTALLATION,
SIGNAL POST**

- GENERAL NOTES**
- 1. PREFERRED MOUNTING HEIGHT OF THE PUSHBUTTON SHALL BE APPROXIMATELY 3 FEET. THE HEIGHT SHALL BE MAXIMUM OF 3.5 FEET AND MINIMUM OF 2.5 FEET ABOVE SIDEWALK.
 - 2. REACH OF THE PUSHBUTTON SHALL BE A MAXIMUM OF 10 INCHES FROM THE EDGE OF THE SIDEWALK.
 - 3. PUSHBUTTON SHALL BE UNOBSTRUCTED AND ADJACENT TO ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR.
 - 4. IN ANY CASE THE 10 INCH MAXIMUM DISTANCE IS NOT ACHIEVED, MODULAR EXTENSION BRACKETS SHALL BE INSTALLED. THE COST AND LABOR OF INSTALLING EXTENSION BRACKET SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSHBUTTON.
 - 5. THE PUSHBUTTON FACE SHOULD BE PARALLEL TO THE CROSSWALK IT CONTROLS.



**PEDESTRIAN PUSHBUTTON INSTALLATION,
TOP VIEW**

NOT TO SCALE

TRAFFIC SIGNAL PLAN LEGEND

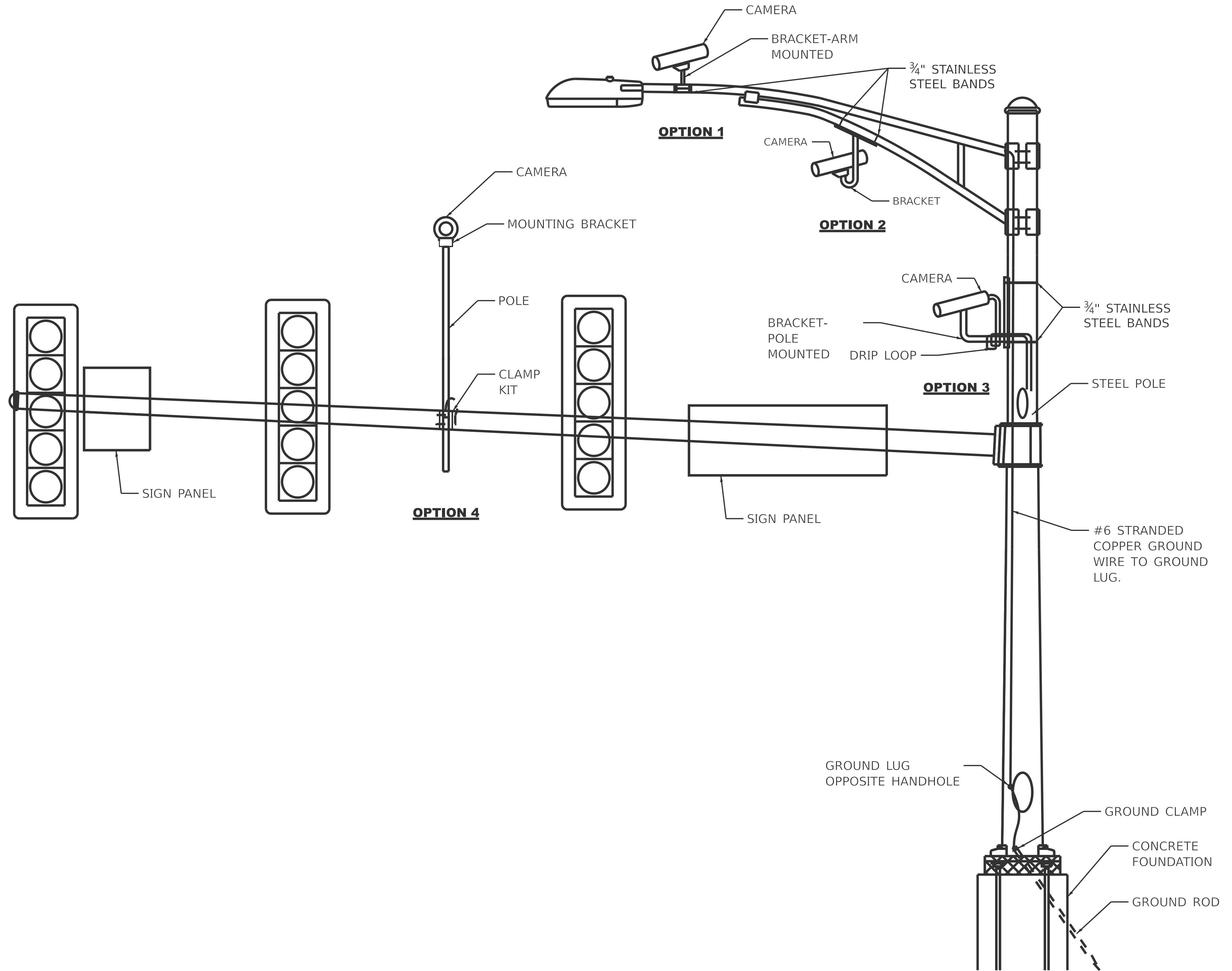
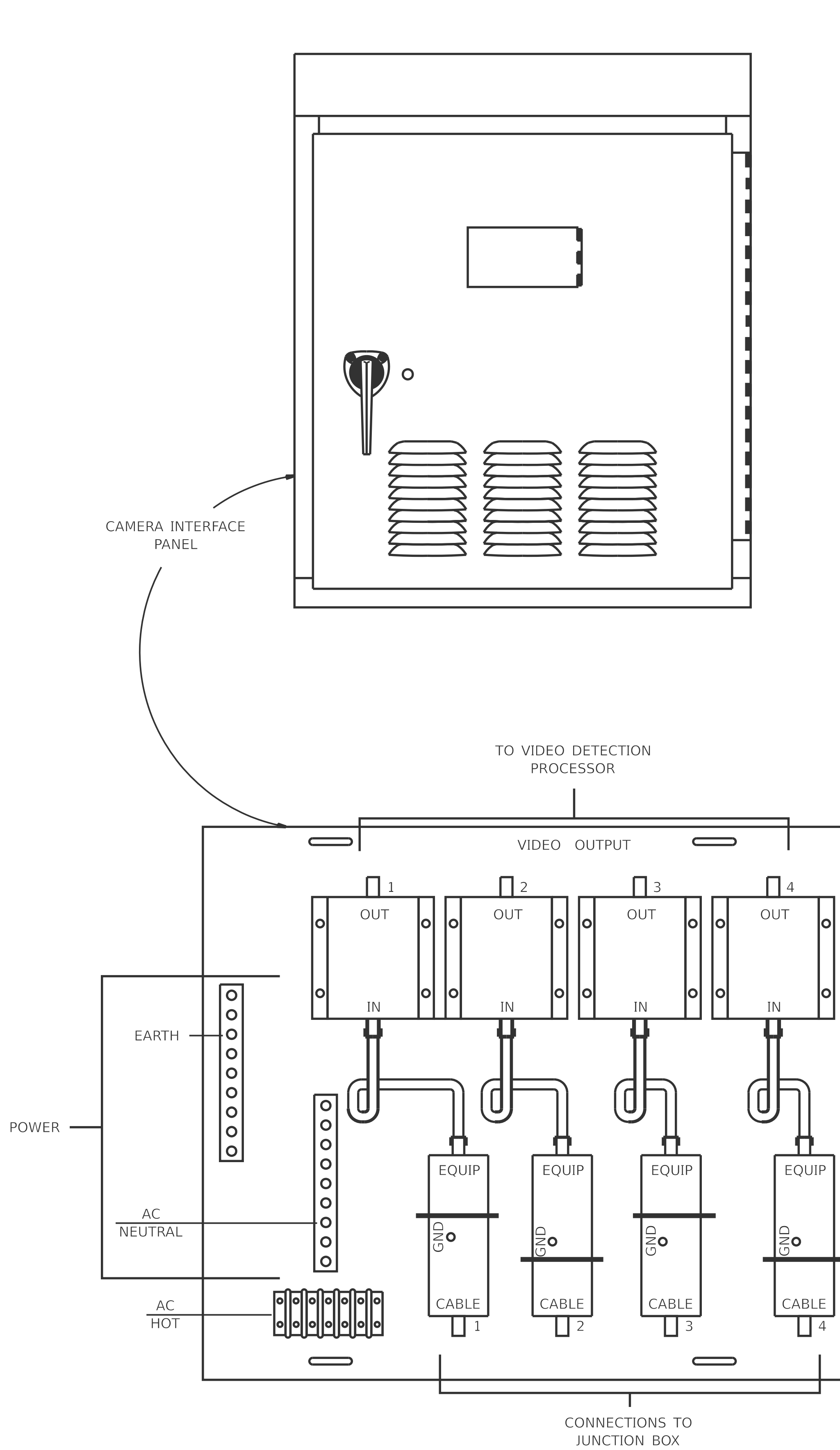
ITEM	REMOVAL	EXISTING	PROPOSED
ALUMINUM MAST ARM ASSEMBLY AND POLE			
STEEL MAST ARM ASSEMBLY AND POLE			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			
SIGNAL POST			
CONTROLLER CABINET			
MASTER CONTROLLER			
RAILROAD CONTROLLER			
UNINTERRUPTABLE POWER SUPPLY			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM			
TEMPORARY WOOD POLE W/ GUY			
SERVICE INSTALLATION (P) POLE OR (G) GROUND MOUNT			
TEMPORARY SIGNAL HEAD			
SIGNAL HEAD (NUMBER INDICATE NUMBER OF SECTIONS)			
SIGNAL HEAD WITH BACKPLATE			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)			
PEDESTRIAN SIGNAL HEAD			
PEDESTRIAN PUSH-BUTTON DETECTOR			
ACCESSIBLE PEDESTRIAN PUSH-BUTTON DETECTOR			
PRIORITY VEHICLE DETECTOR			
CONFORMATION BEACON			
VIDEO DETECTOR SYSTEM			
HANDHOLE			
DOUBLE HANDHOLE			
HEAVY DUTY HANDHOLE			
JUNCTION BOX			
GULFBOX JUNCTION			
CONDUIT SPLICE			

ITEM	REMOVAL	EXISTING	PROPOSED
DETECTOR LOOP LARGE			
DETECTOR LOOP SMALL			
QUADRAPOLE DETECTOR LOOP			
DIRECT CONNECTED LOOP LEAD-IN (TWISTED)			
UNDERGROUND CONDUIT (UC)			

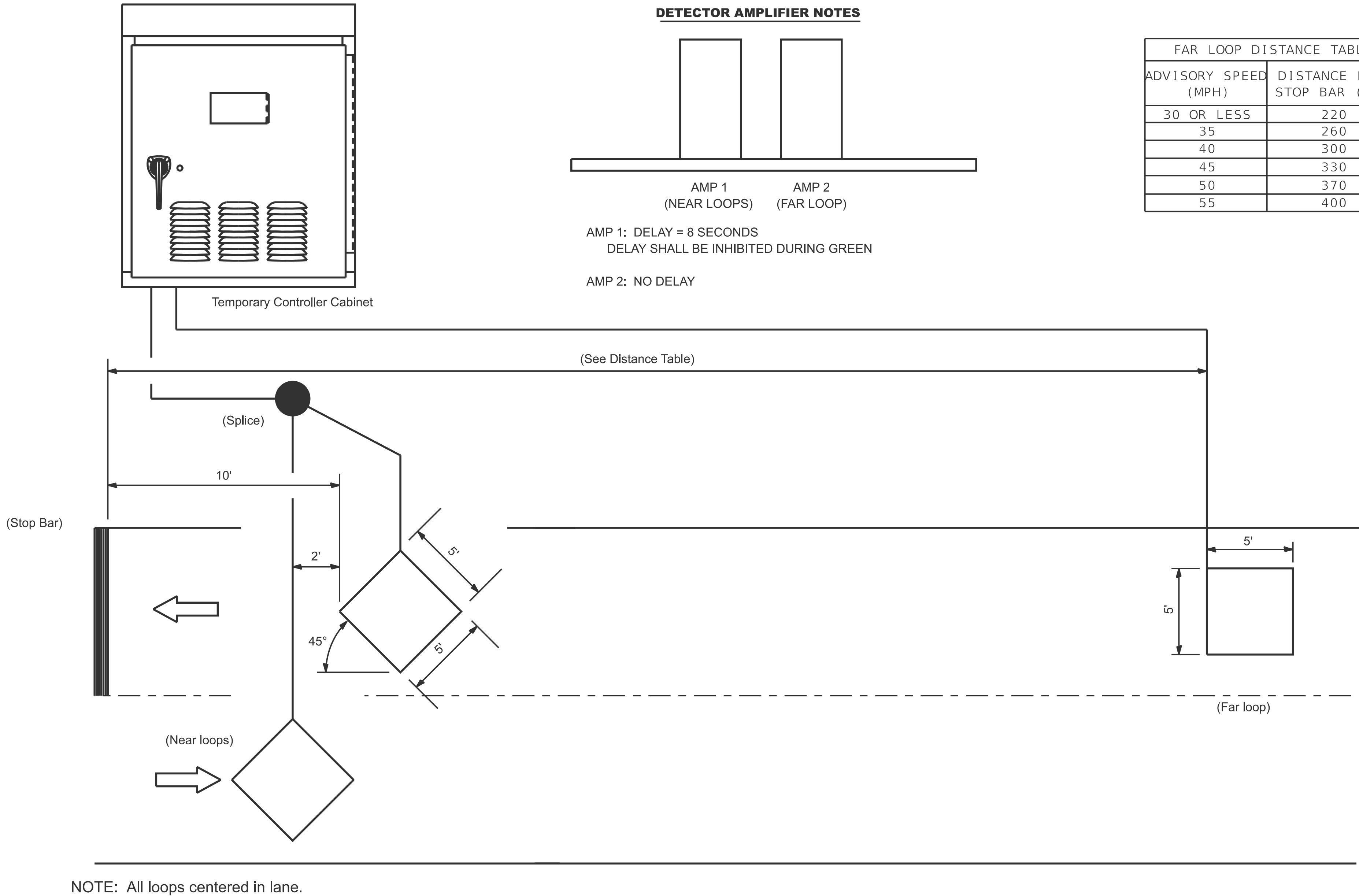
LENGTH - CONSTRUCTION (T=TRENCH, P=PUSHED, A=AGUERED, E= EXISTING)
SIZE - TYPE (S=STEEL, P=PVC, F=FIBER DUCT, U=UNI-DUCT)

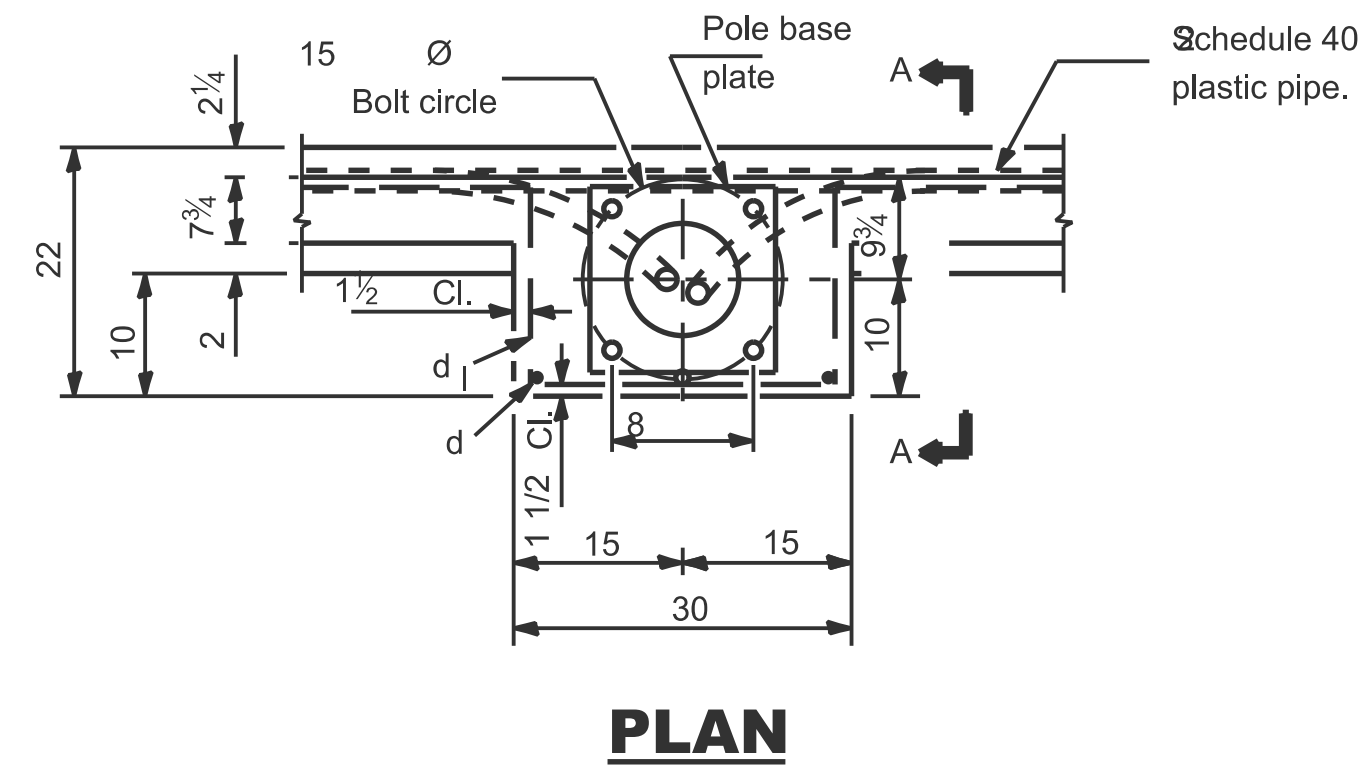
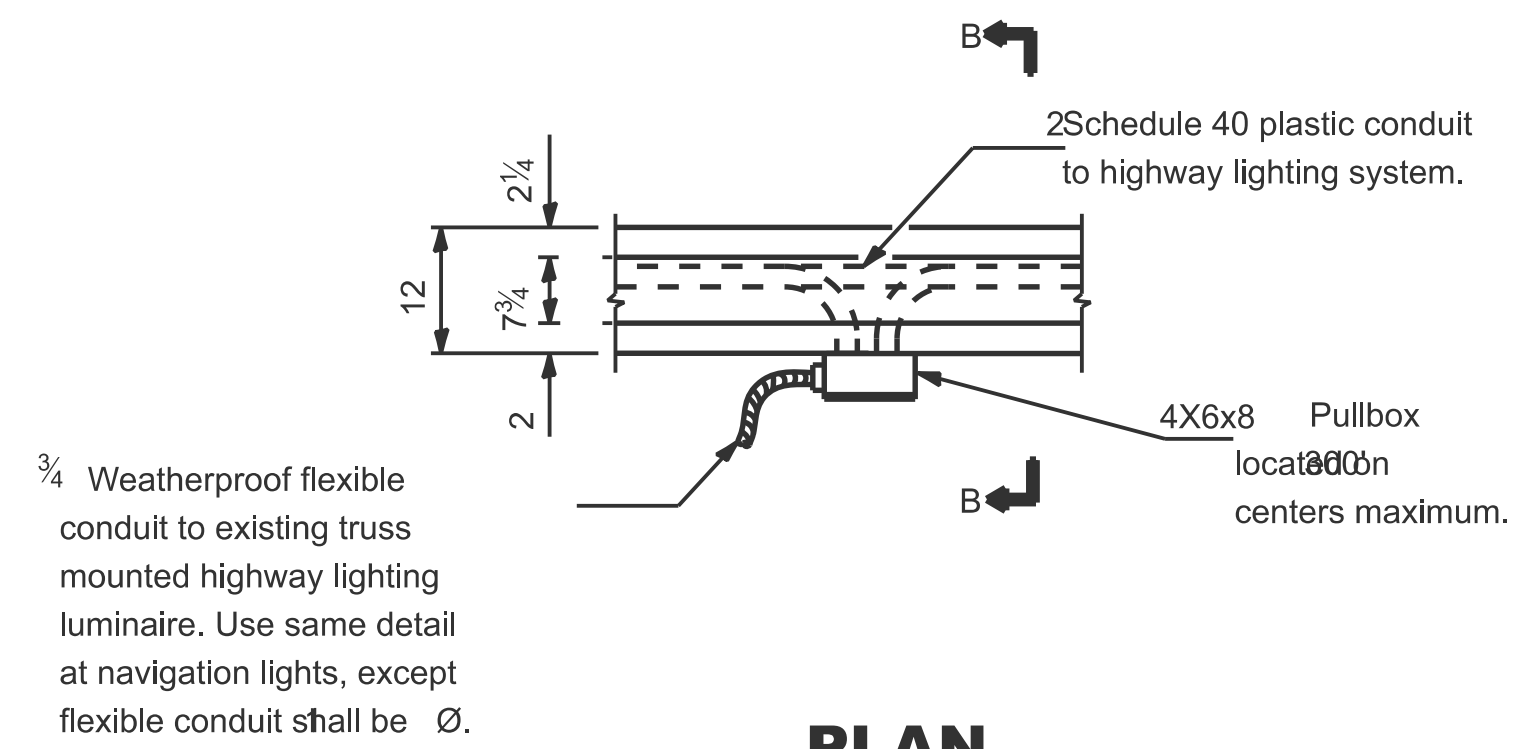
TRAFFIC SIGNAL DETAIL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED
SIGNAL SECTION - SOLID RED			
SIGNAL SECTION - SOLID YELLOW			
SIGNAL SECTION - SOLID GREEN			
SIGNAL SECTION - RED TURN ARROW			
SIGNAL SECTION - YELLOW TURN ARROW			
SIGNAL SECTION - FLASHING YELLOW ARROW			
SIGNAL SECTION - GREEN TURN ARROW			
PEDESTRIAN SIGNAL HEAD			
PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER			
TRAFFIC SIGNAL BACKPLATE			
SIGNAL SECTION WITH LOUVRE			
SIGNAL SECTION WITH DUAL INDICATION			
ELECTRIC CABLE (NUMBER INDICATES NUMBER OF CONDUCTORS)			
ELECTRIC CABLE IDENTIFIER TAPE CODES (R=RED, W=WHITE, Y=YELLOW, G=GREEN, B=BLUE, O=ORANGE, V=VIOLET, P=PINK)			
DETECTOR LOOP			
QUADRAPOLE DETECTOR LOOP			



VIDEO DETECTION SYSTEM INSTALLATION
ARM MOUNTED, MAST-ARM MOUNTED, OR POLE MOUNTED





Leveling nuts 4 ea.
Stainless steel screen

