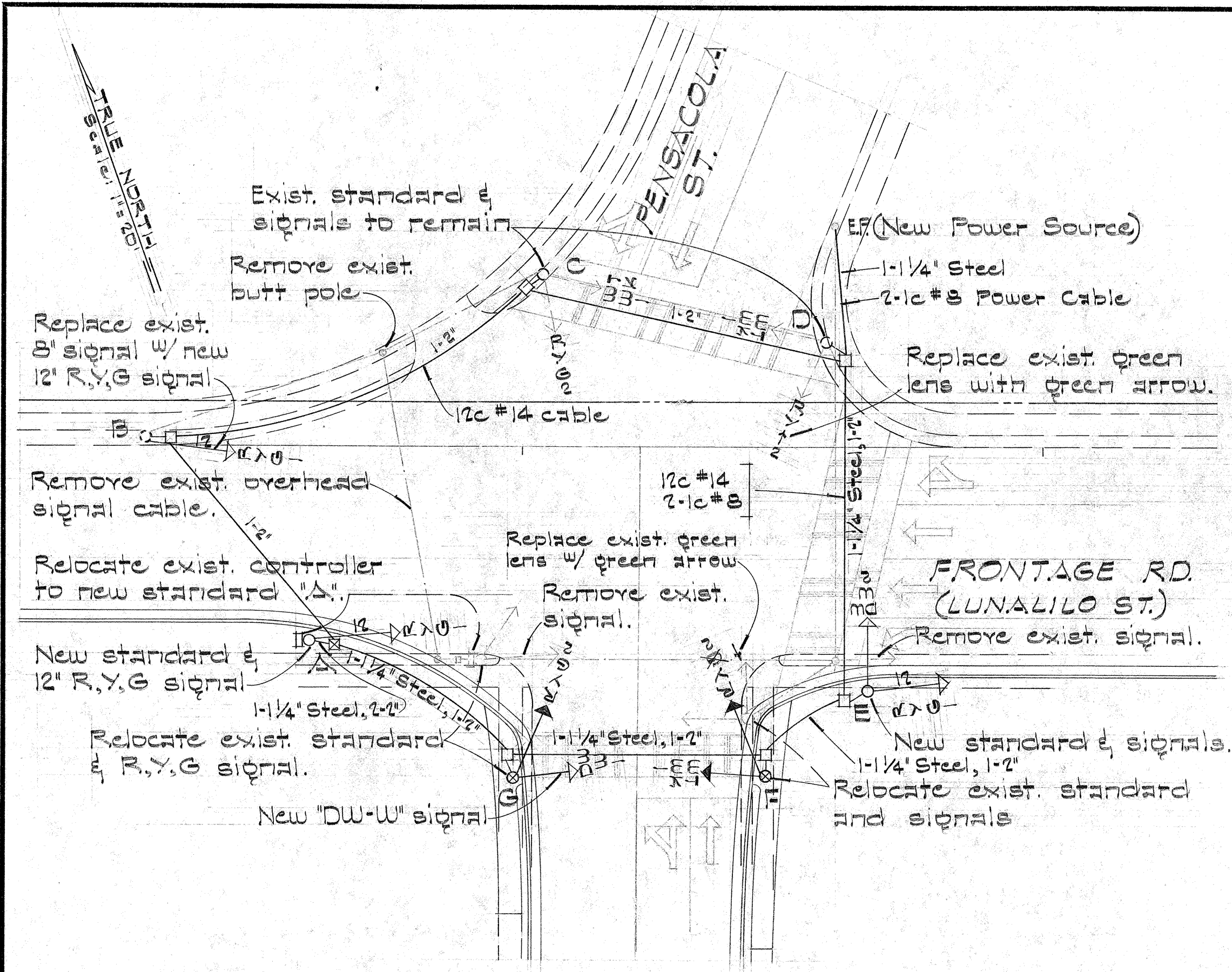
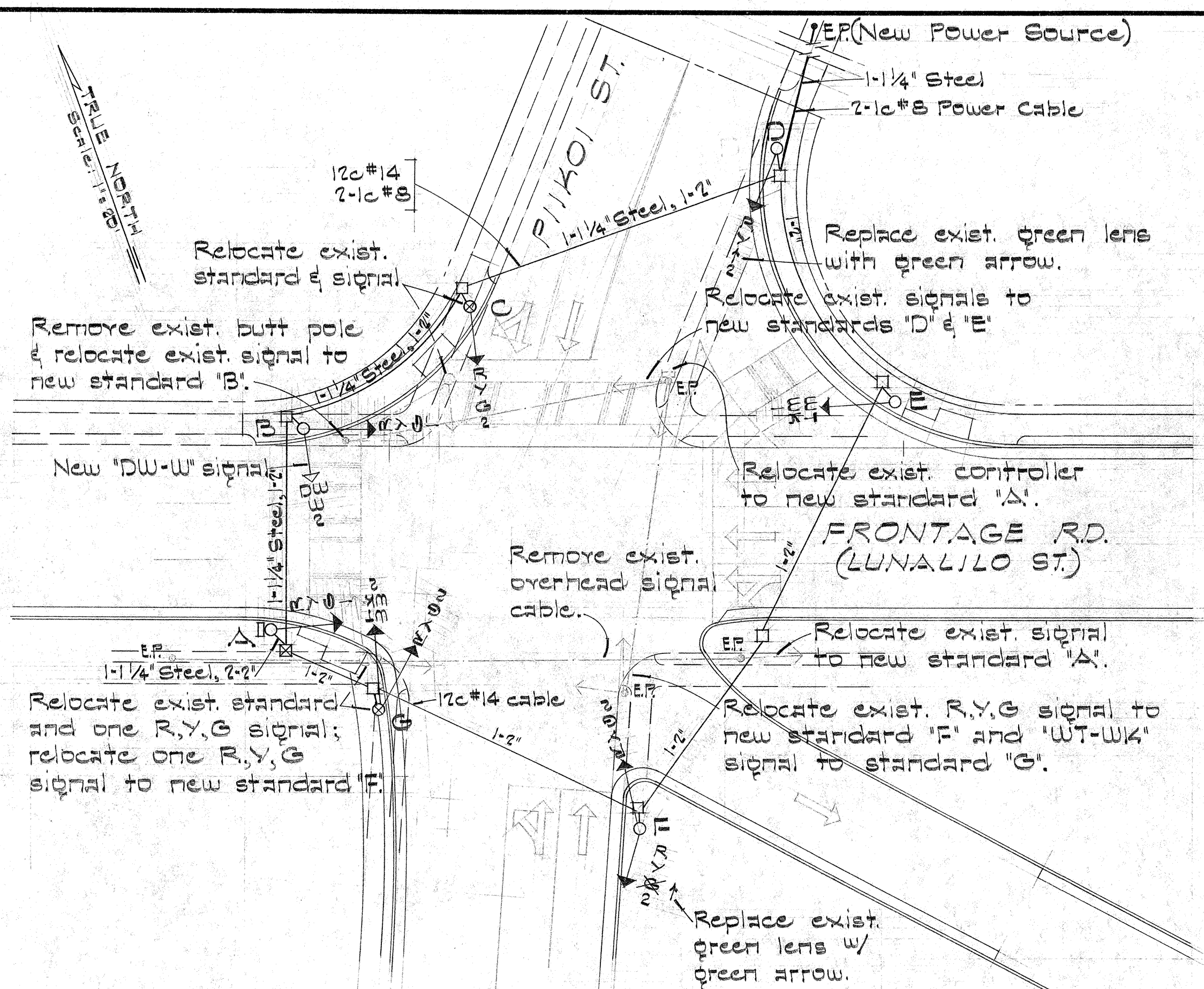




LUNALILO ST. @ PENSACOLA ST.



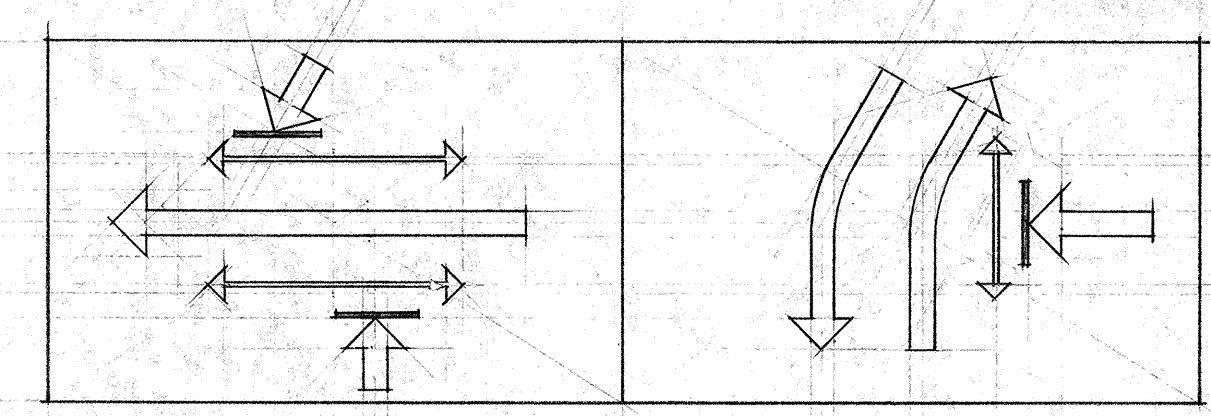
LUNALILO ST. @ PIIKOI ST.

LEGEND

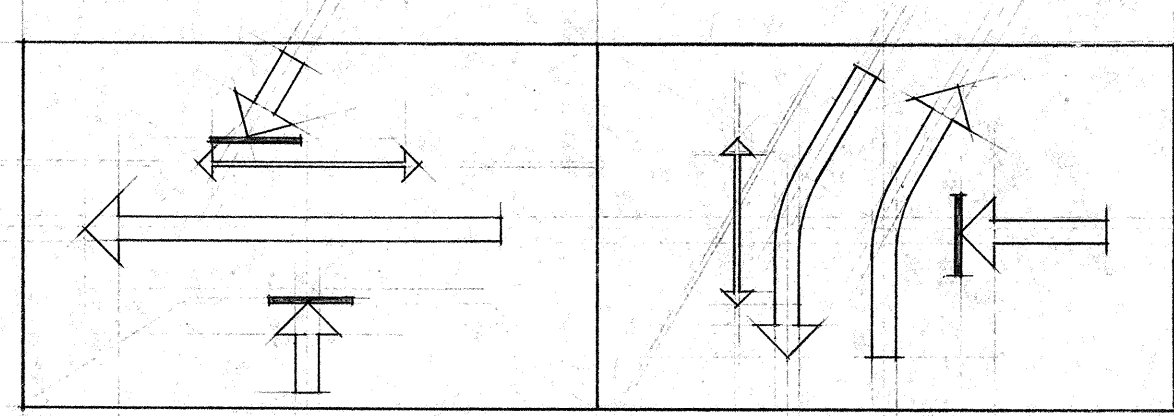
- → New standard and signal.
- ⊗ → Relocated standard and signal.
- → Existing standard and signal.
- EP Electric pole.
- Existing controller.
- ⊗ New Type 'A' Pullbox.
- New Type 'B' Pullbox.
- 1-2' Steel New Rigid Steel Conduit (No. & size as indicated.)
- 1-2' New Rigid Steel or Polyvinyl Chloride Conduit (No. & size as indicated). Conduits under roadways shall be encased in concrete.
- Existing overhead signal cable to be removed unless otherwise specified.

TRAFFIC SIGNAL SYSTEM

Scale: 1" = 20'



PHASE DIAGRAMS



PHASE DIAGRAMS

GENERAL NOTES

- The Contractor shall notify the Department of Traffic, City & County of Honolulu, prior to doing any work on the traffic signal systems.
- The exact location of traffic signal standards, pullboxes and conduits shall be determined in the field by the Engineer.
- Existing cables, conduits and pullboxes not used in the new traffic signal systems shall be abandoned or removed as directed by the Engineer (All costs shall be considered incidental to the item 'Traffic Signal System').
- Pavement markings at intersections by others.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL SYSTEM

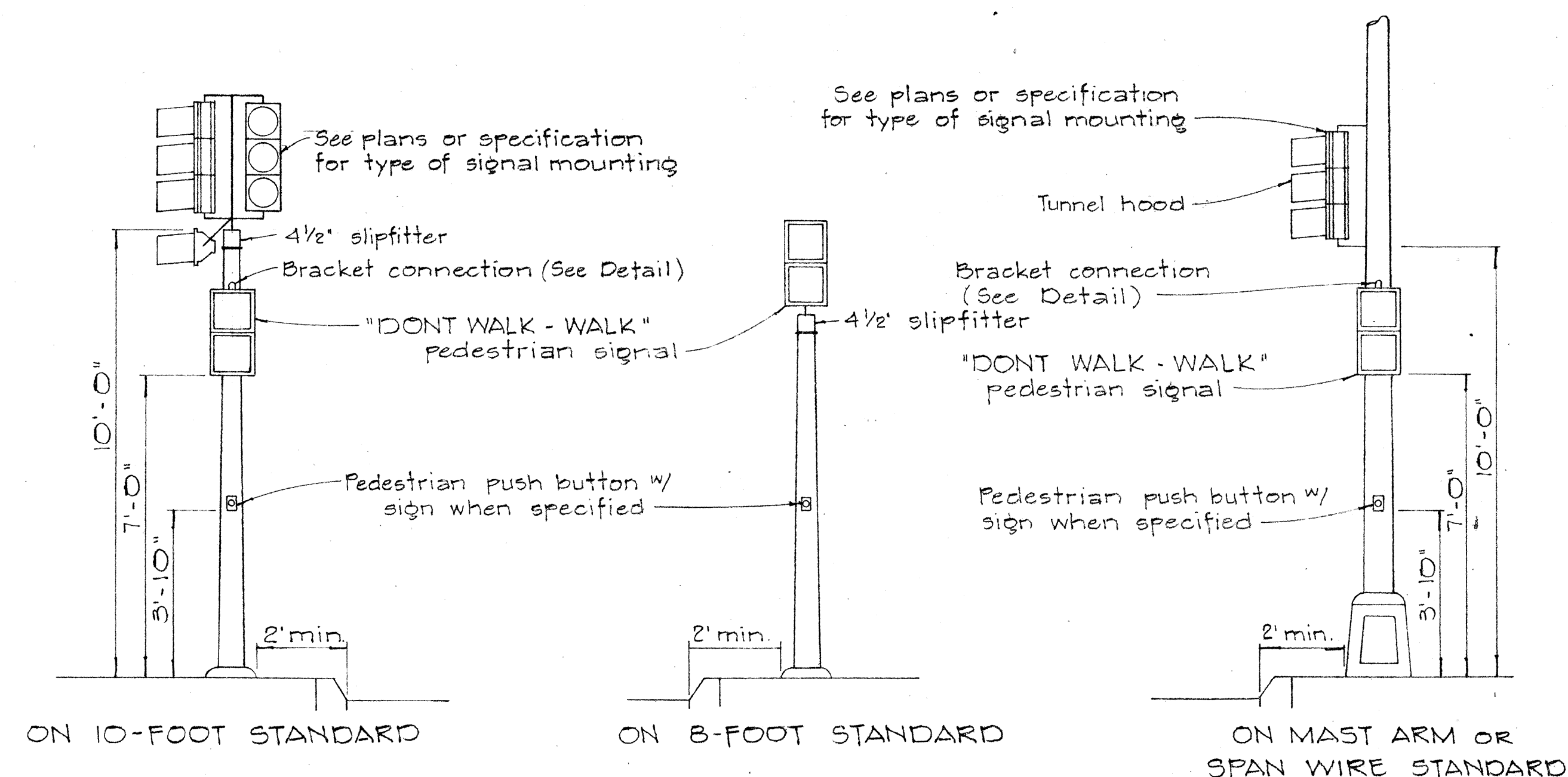
INTERSTATE ROUTE H-1
Victoria St. to Keeaumoku St.
F.A.I. Proj. No. I-HI-1(31), Unit 2
Scale: As Shown April 1967

SHEET No. 1 OF 3 SHEETS

113

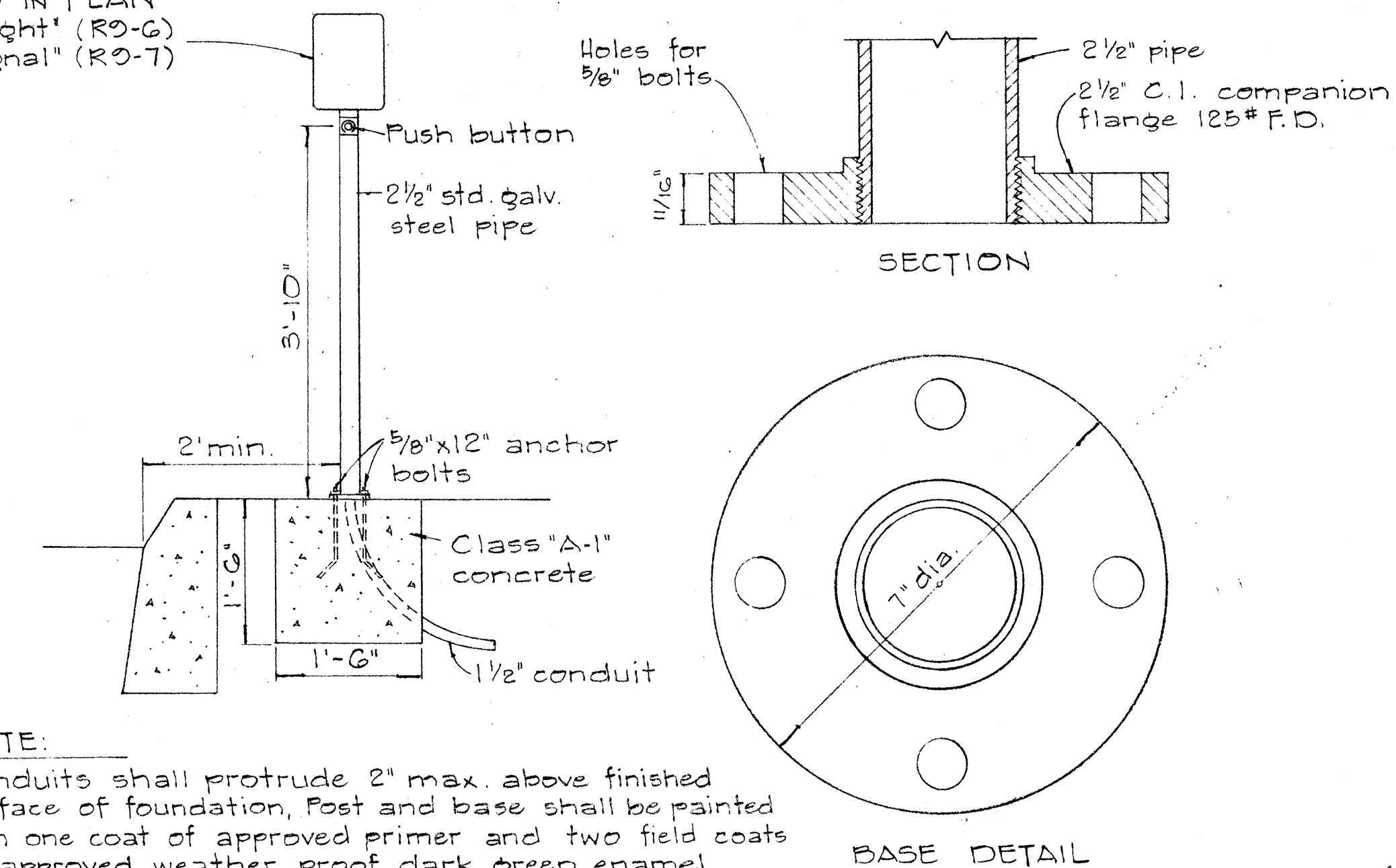
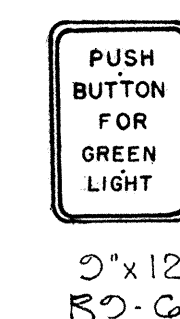
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-111-1(B1), UNIT 2	1967	114	217



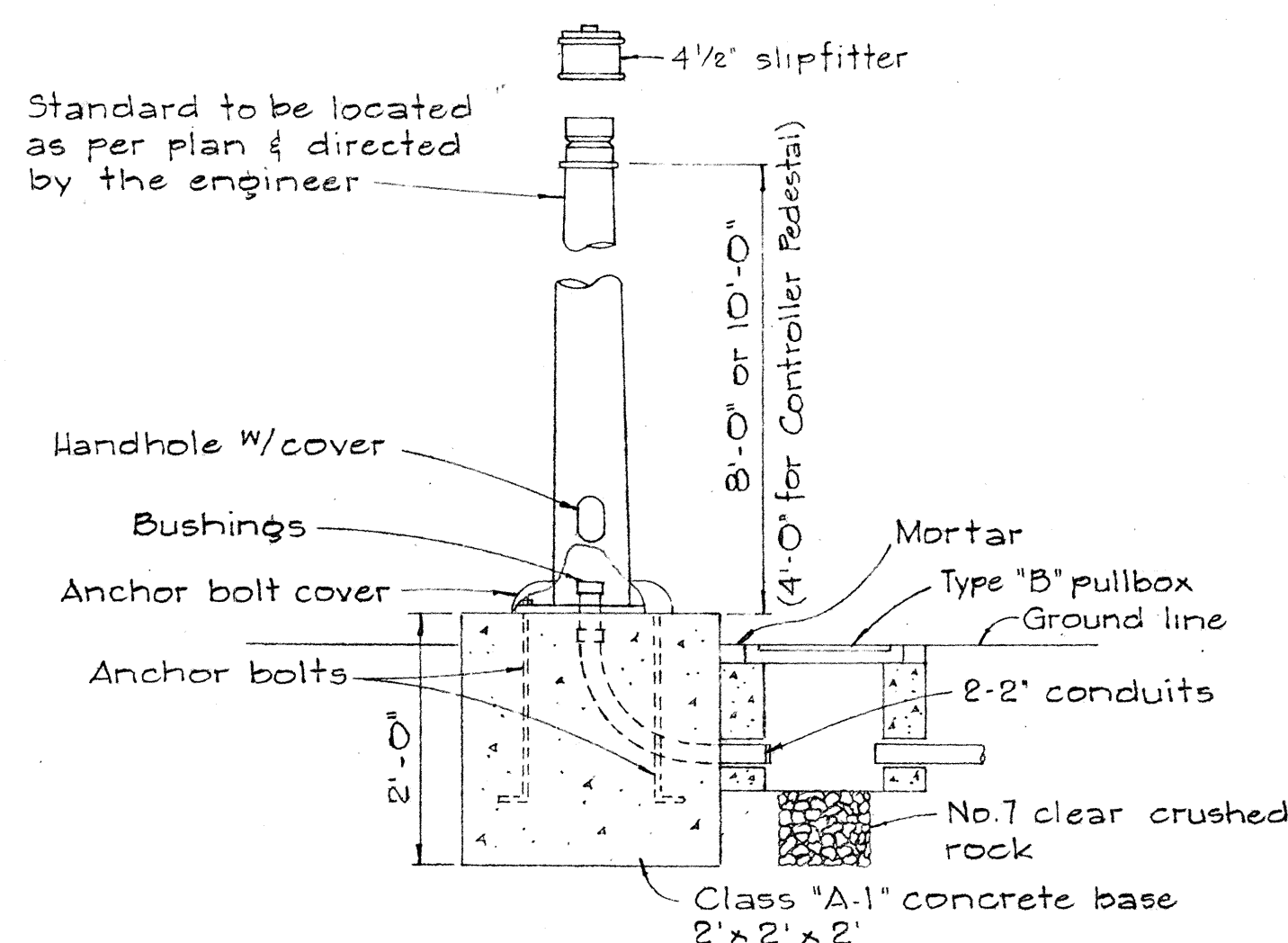
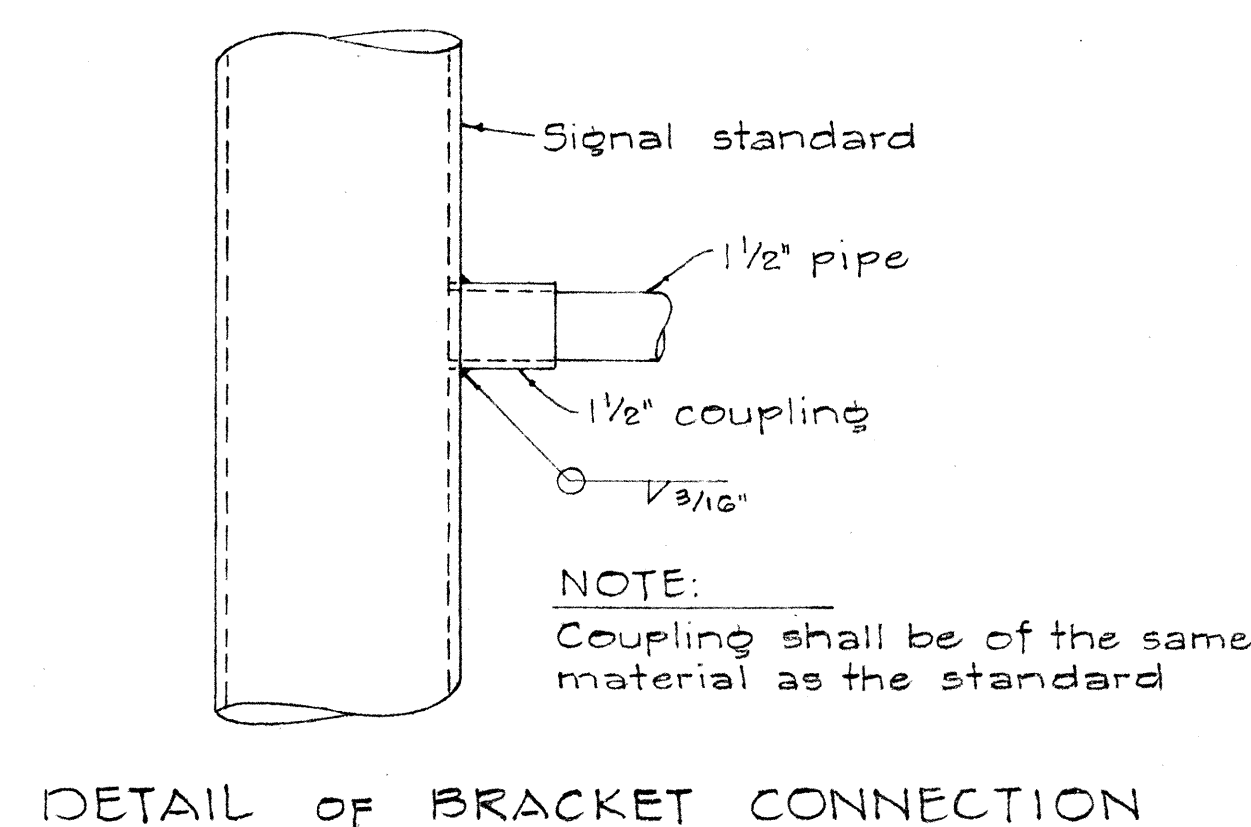
TYPICAL EQUIPMENT MOUNTINGS

TRAFFIC SIGN AS SPECIFIED IN PLAN
1. "Push button for green light" (R9-G)
2. "Push button for walk signal" (R9-T)

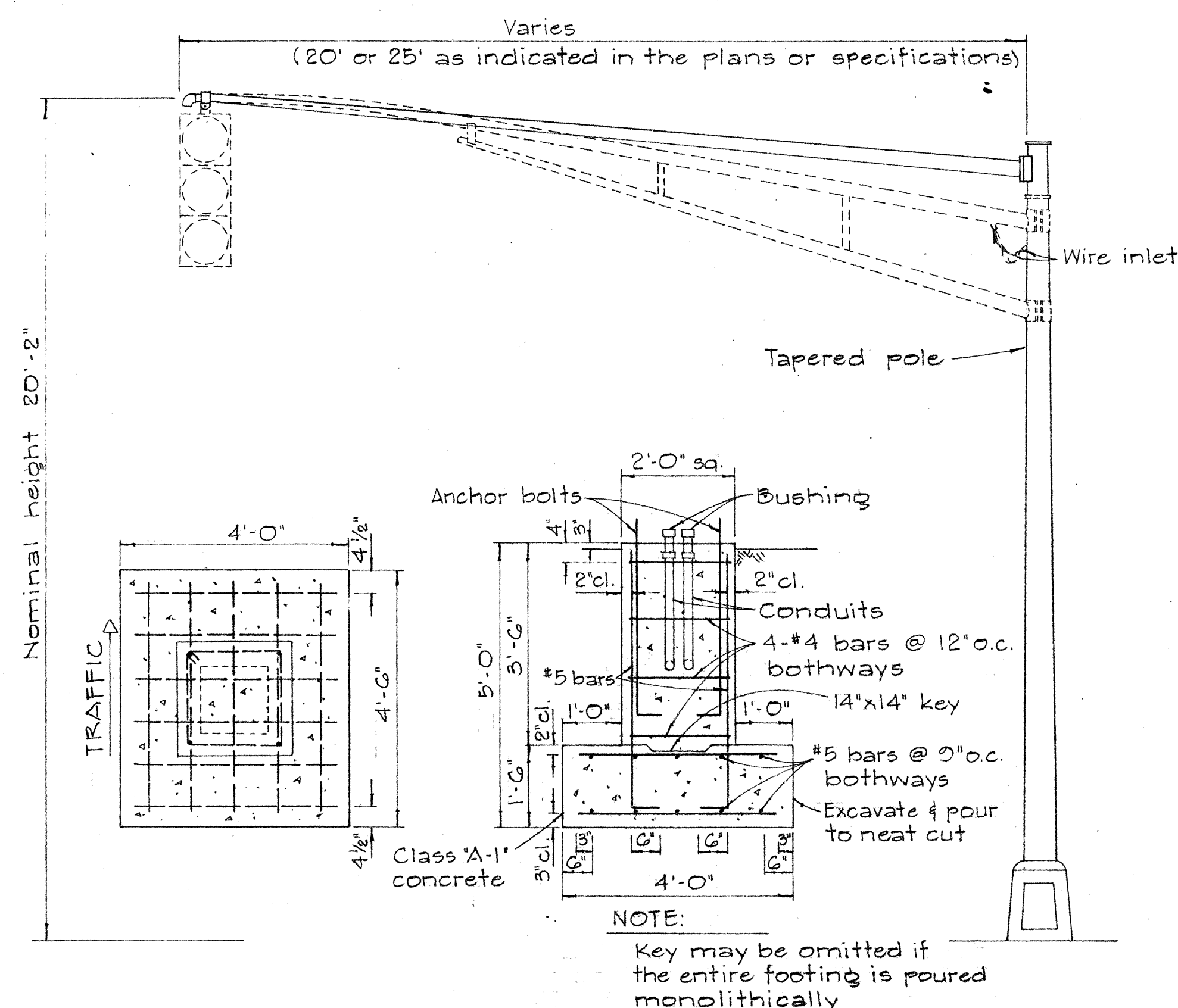


NOTE:
Conduits shall protrude 2" max. above finished surface of foundation. Post and base shall be painted with one coat of approved primer and two field coats of approved weather proof dark green enamel.

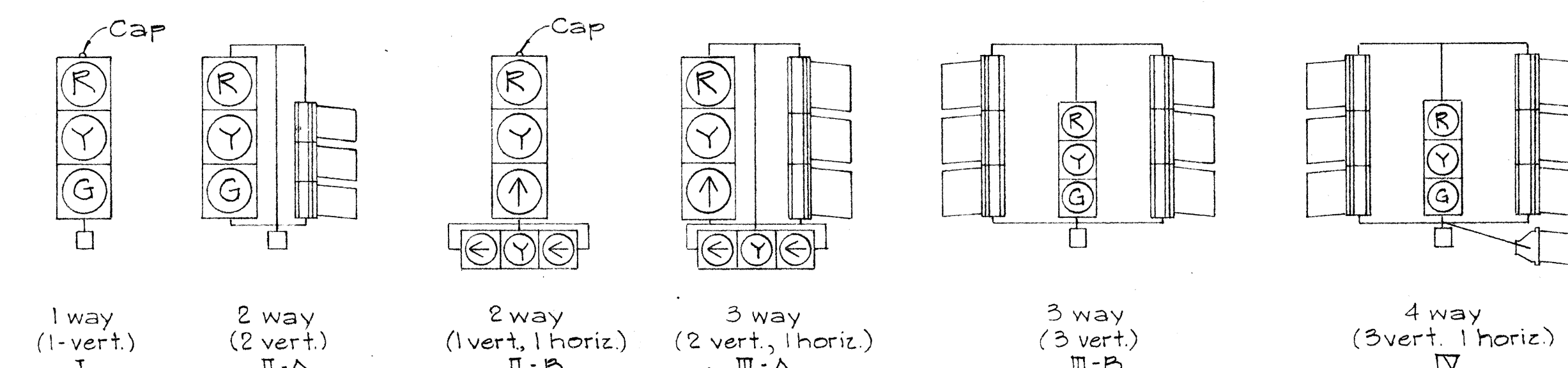
PEDESTRIAN PUSH BUTTON POST



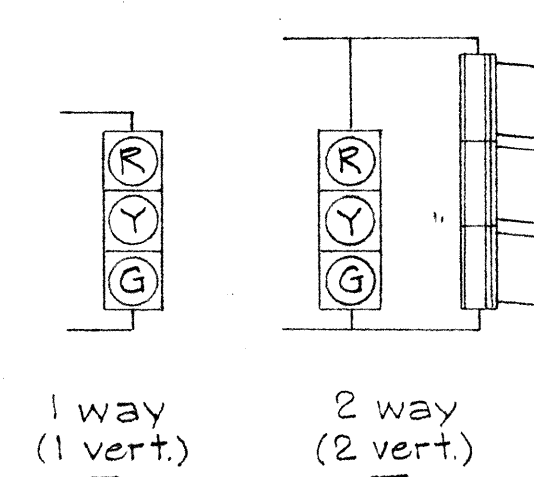
BASE FOR SIGNAL STANDARD OR CONTROLLER PEDESTAL



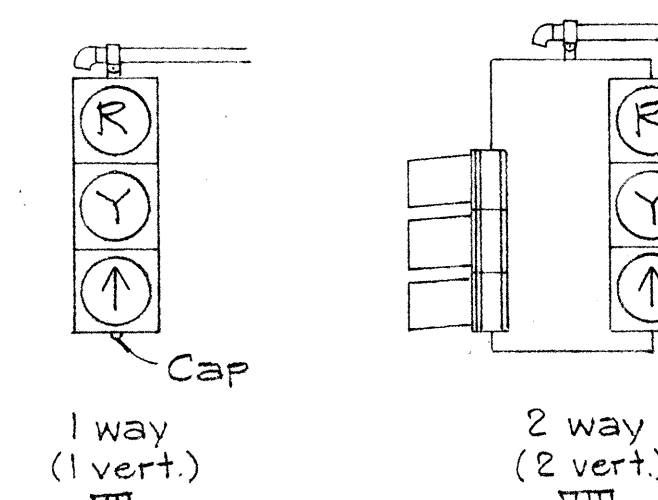
MAST ARM FOOTING AND STANDARD



SLIPFITTER MOUNTINGS

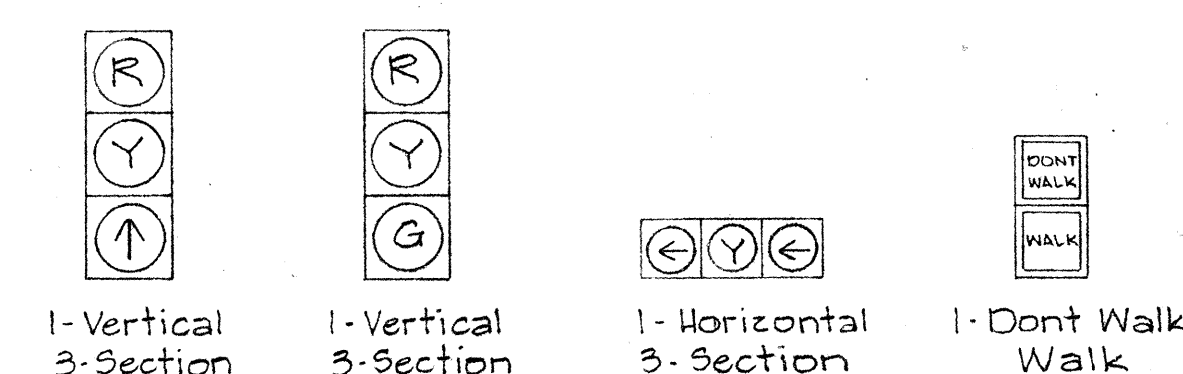


BRACKET MOUNTINGS



MAST ARM MOUNTINGS

TYPICAL VEHICULAR AND PEDESTRIAN SIGNAL MOUNTINGS



TYPICAL SIGNAL ARRANGEMENTS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

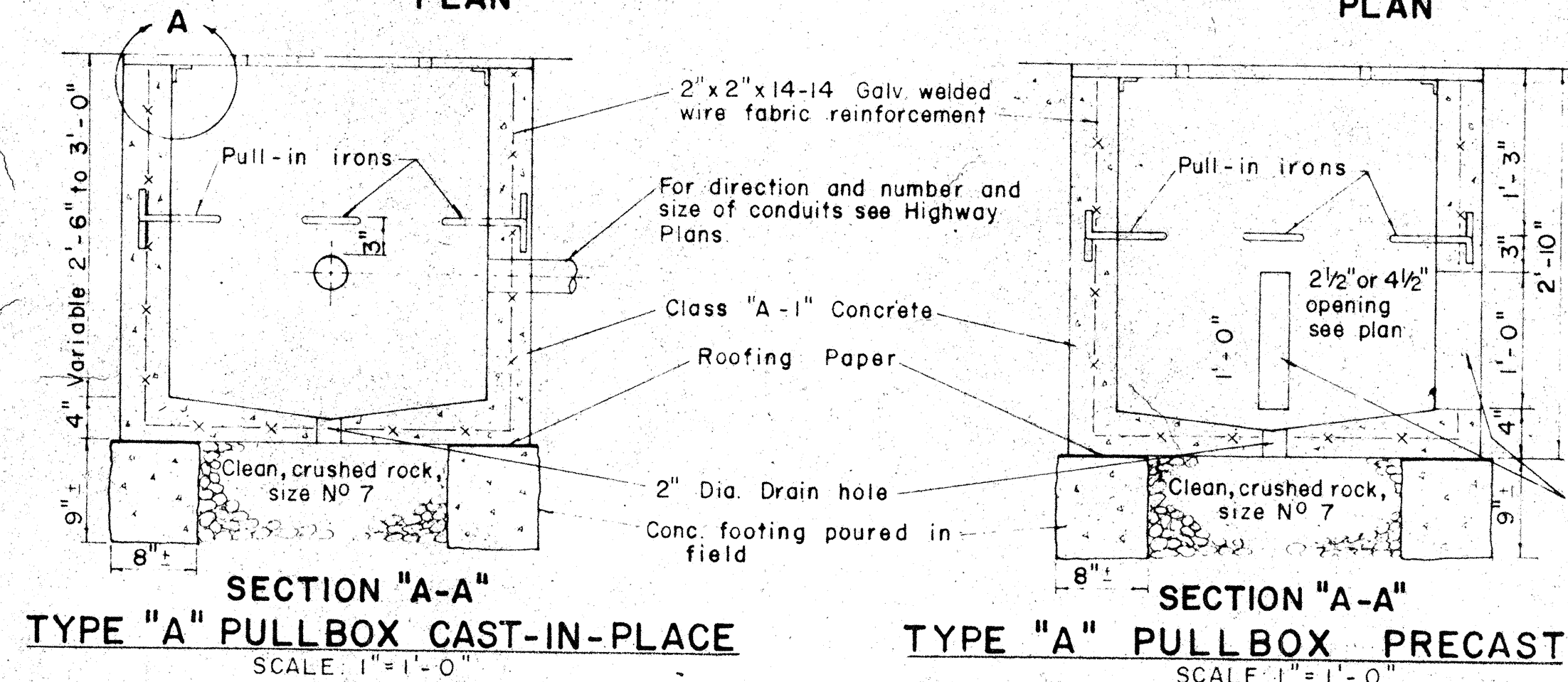
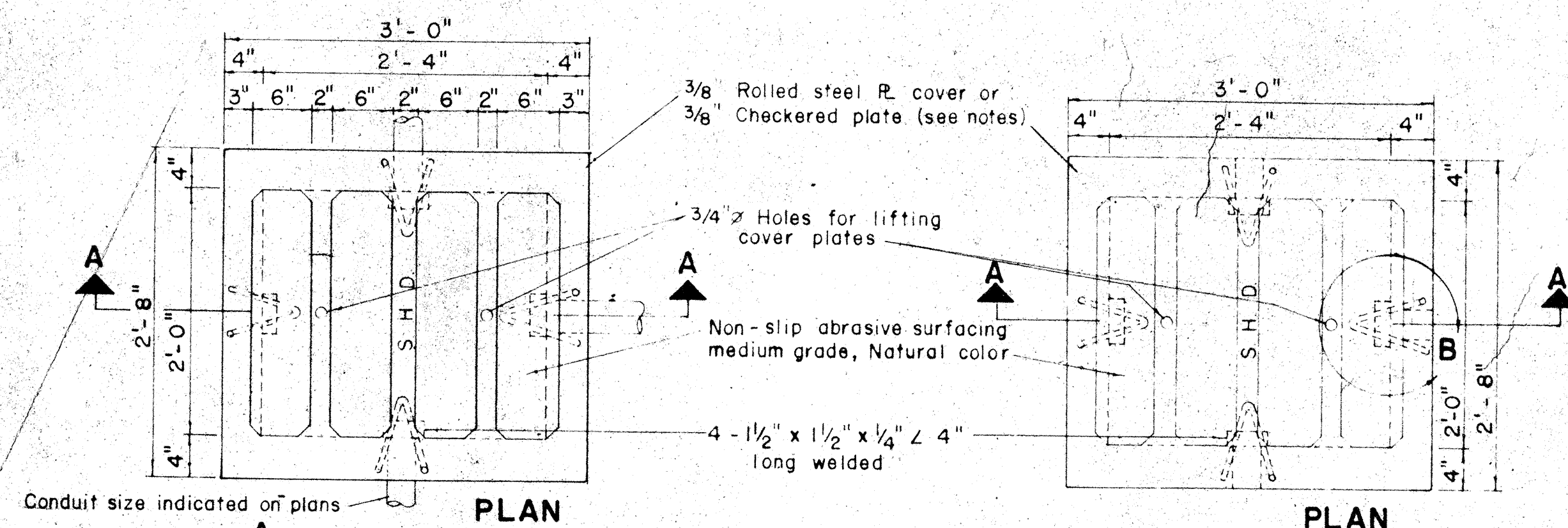
TRAFFIC SIGNAL SYSTEM
MISCELLANEOUS DETAILS

Not to scale

SHEET No. 2 OF 3 SHEETS

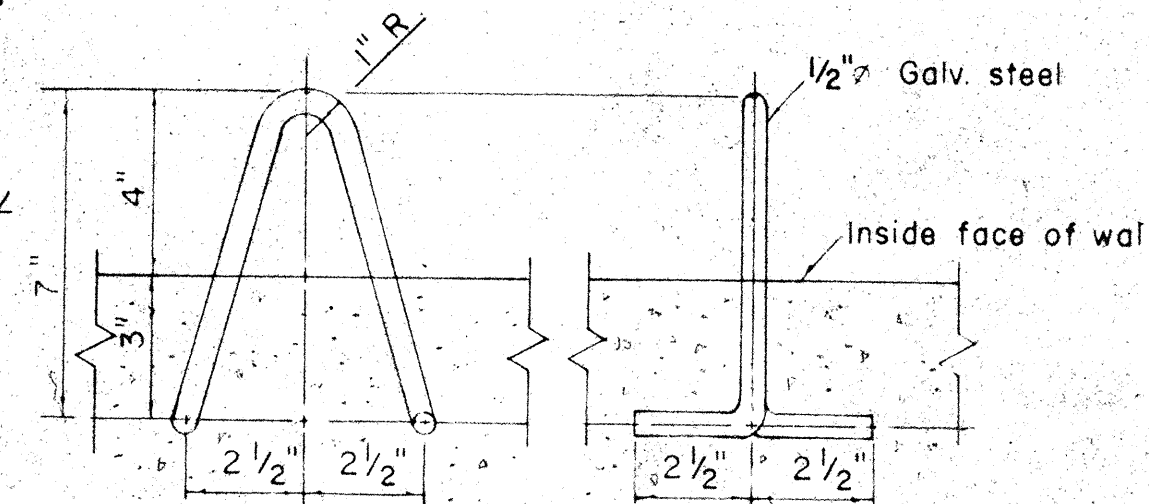
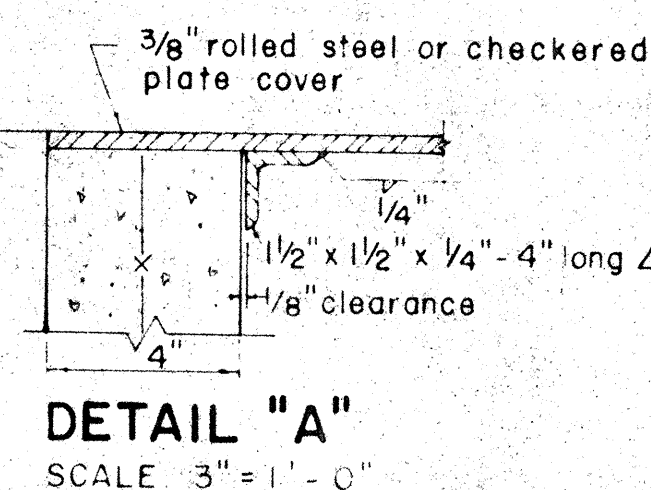
114

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW	I-11-1(31) UNIT 2	1967	115	217

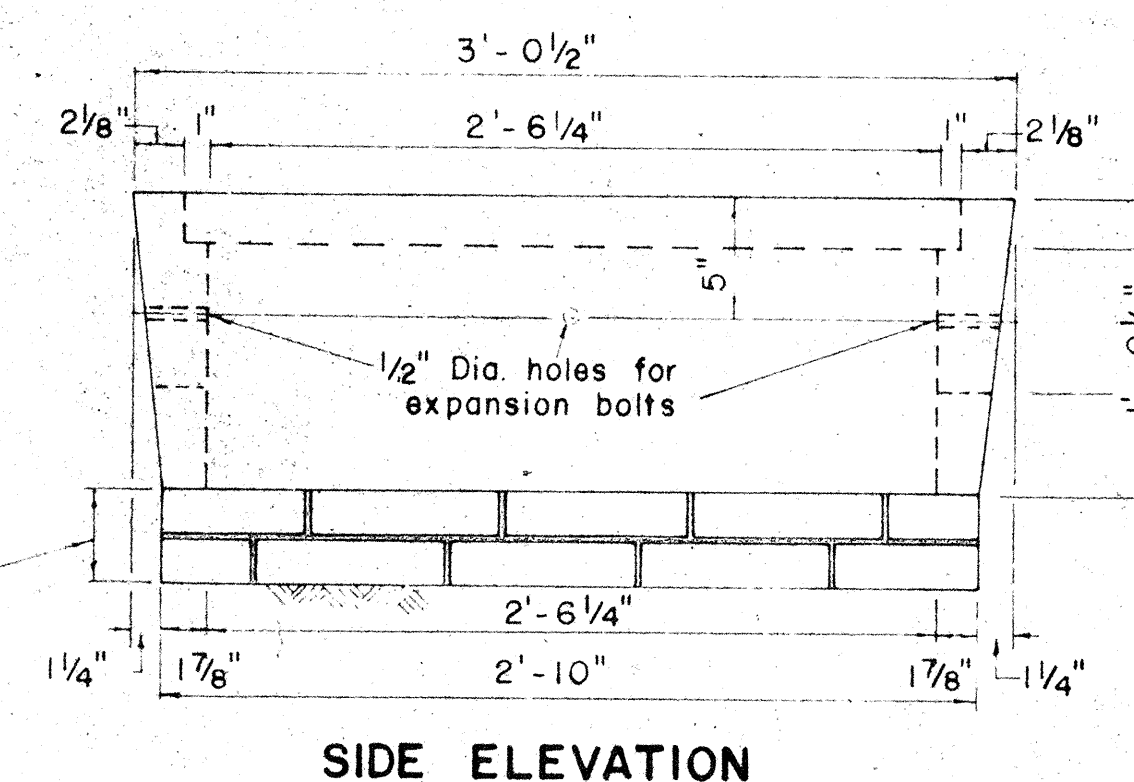
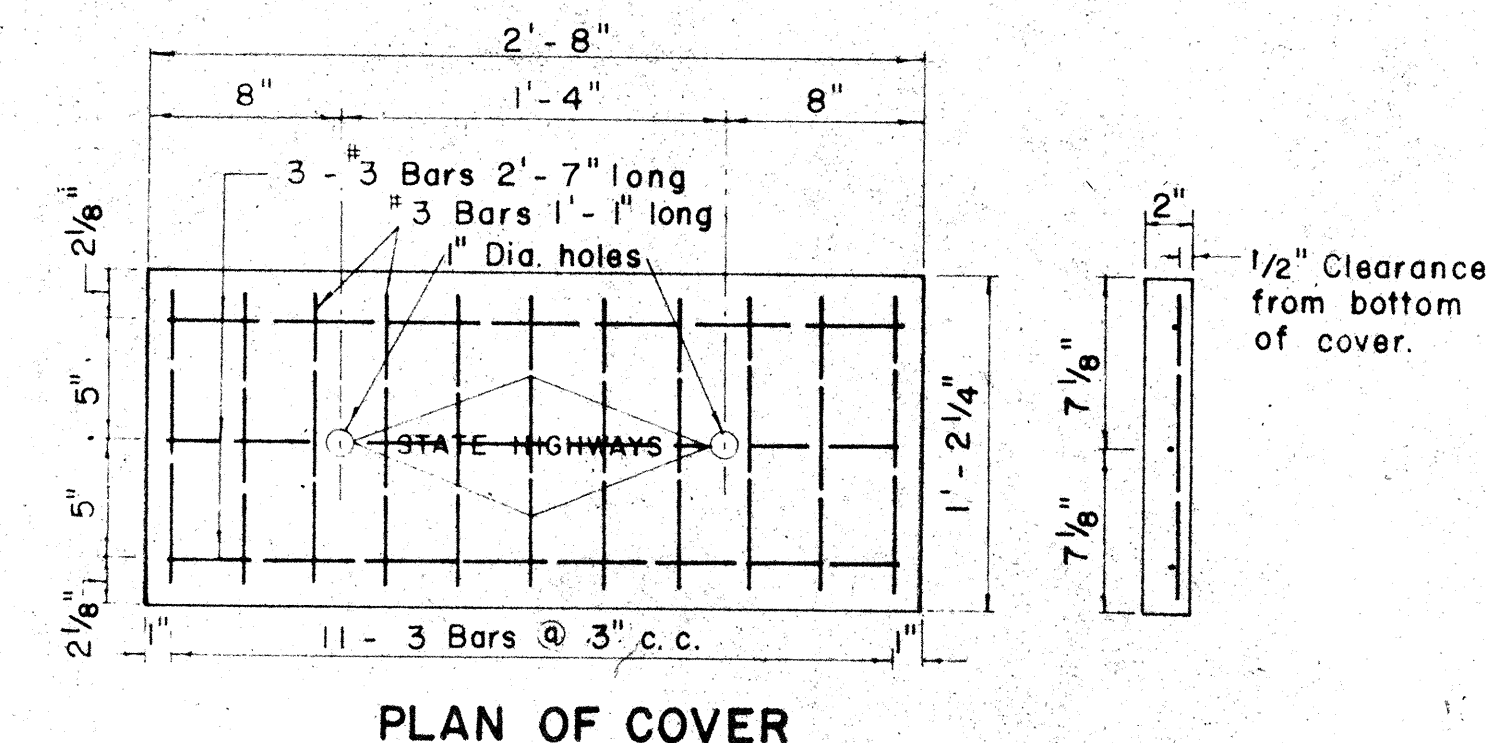
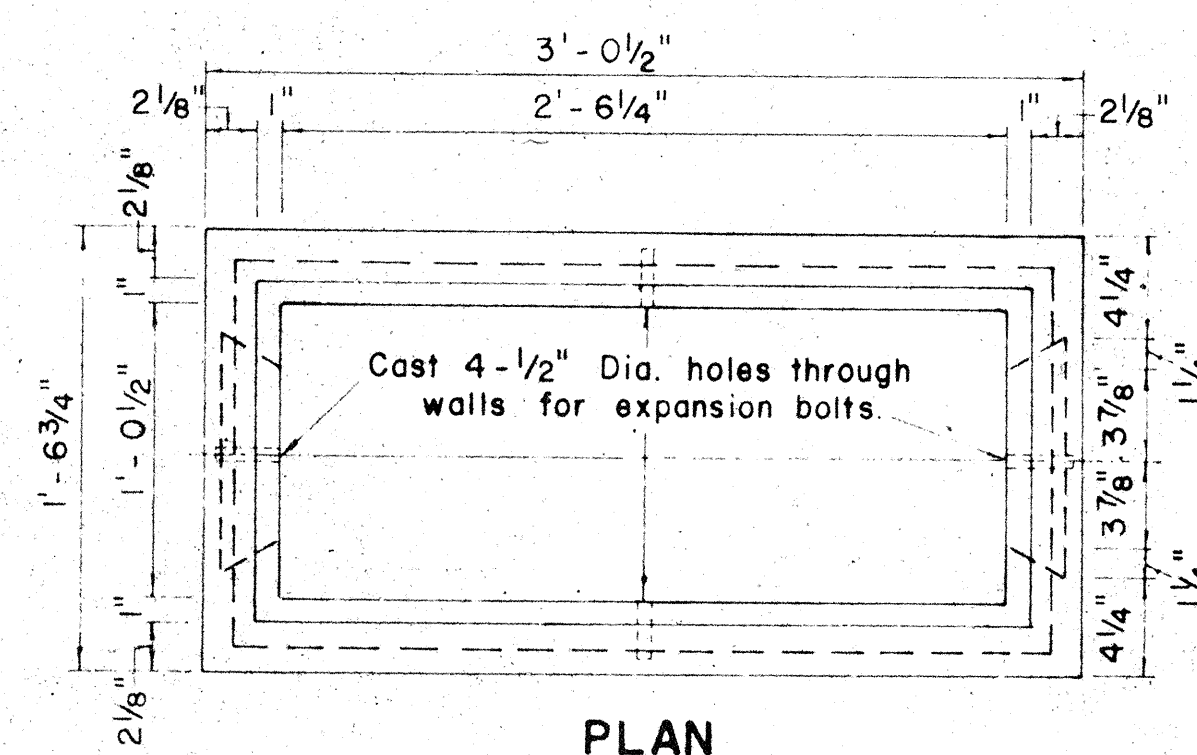


- NOTE (FOR TYPE "A" PULLBOX)

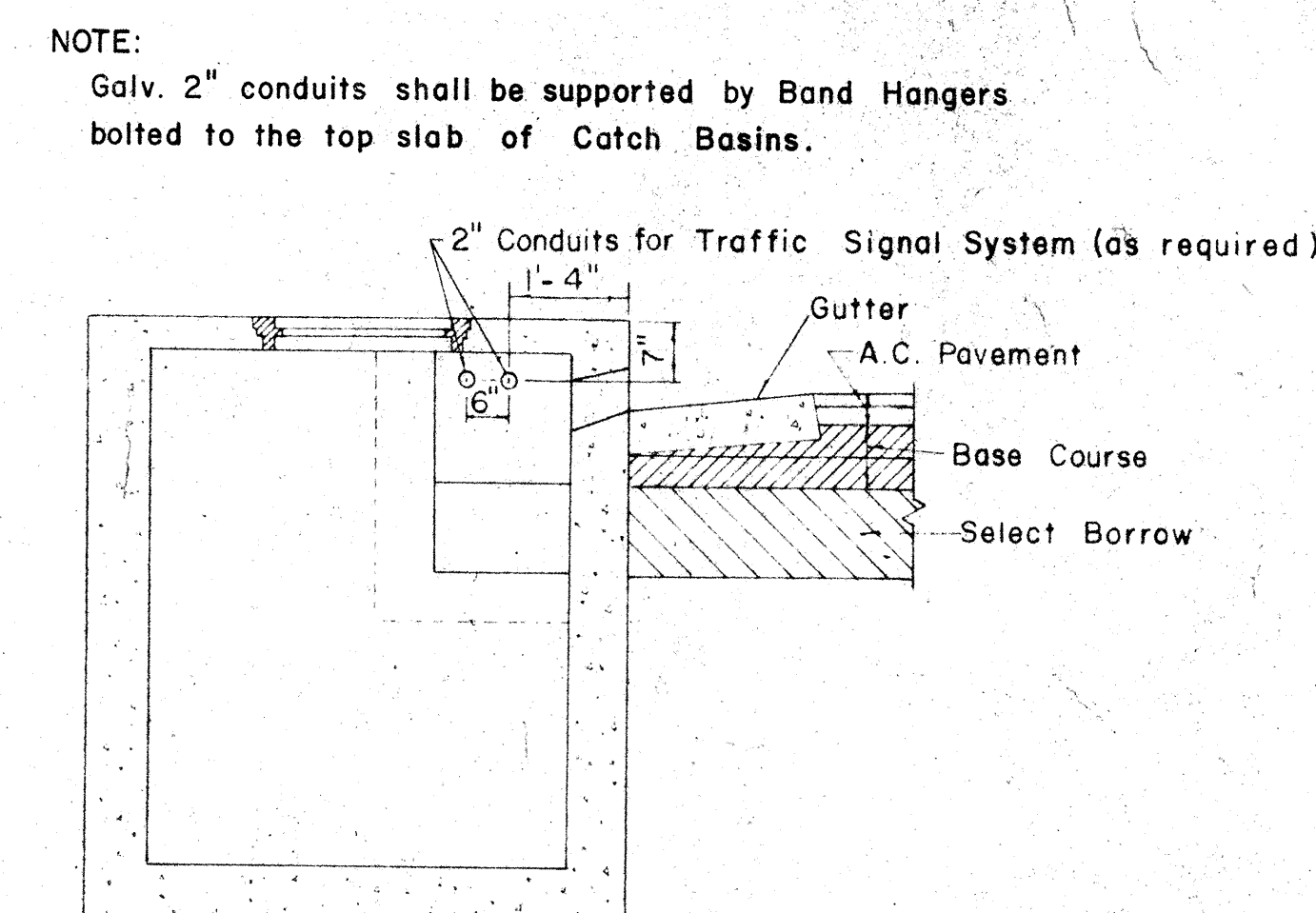
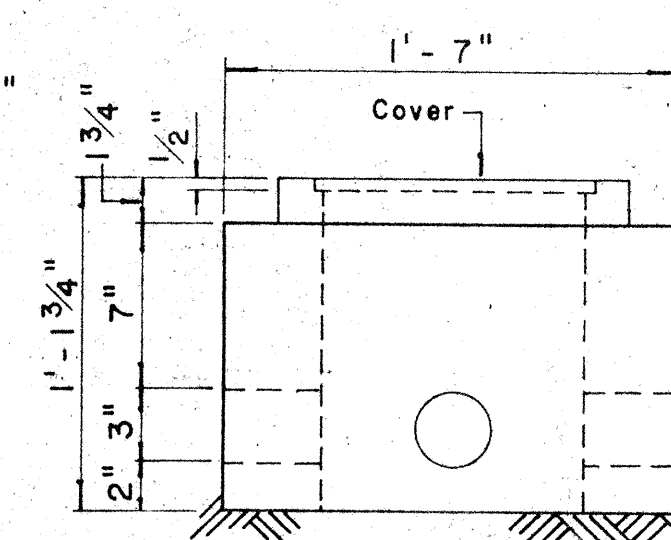
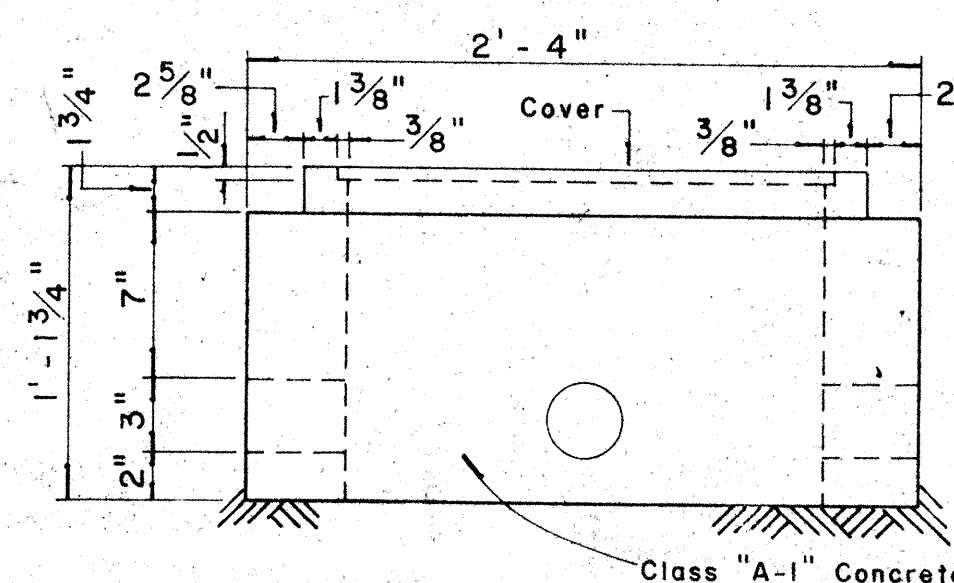
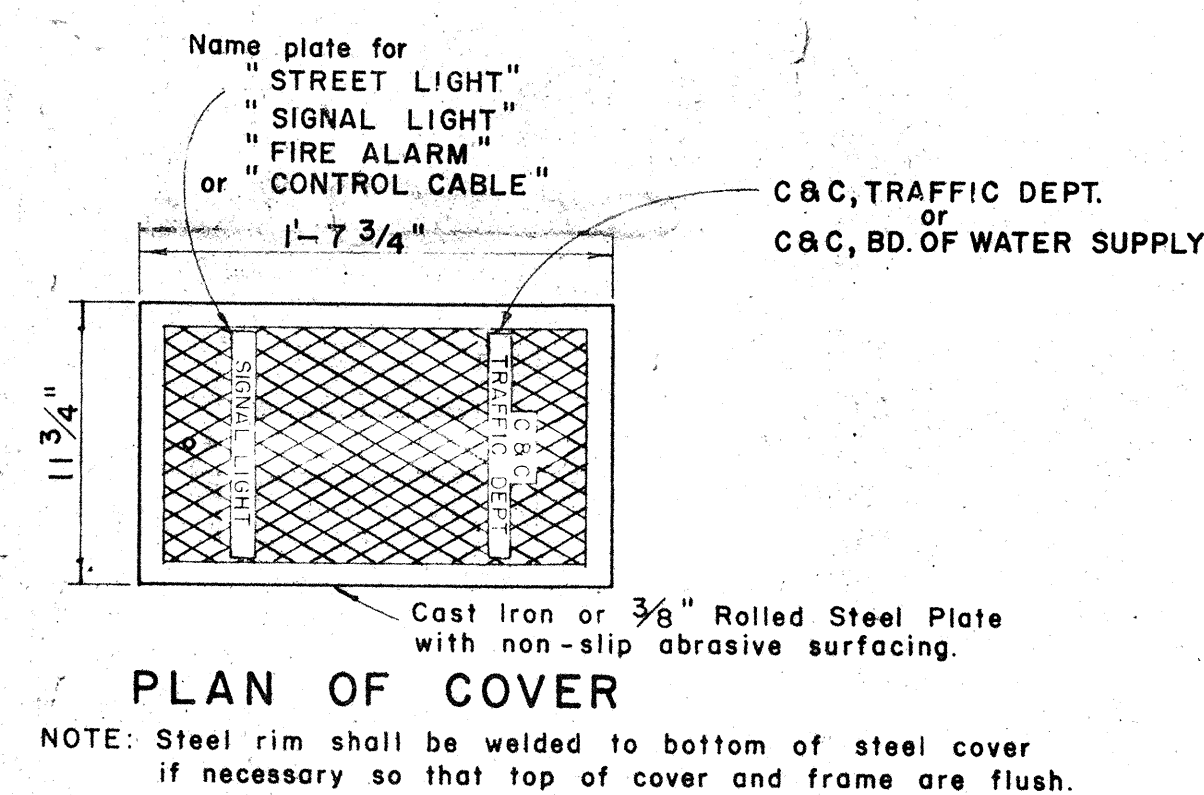
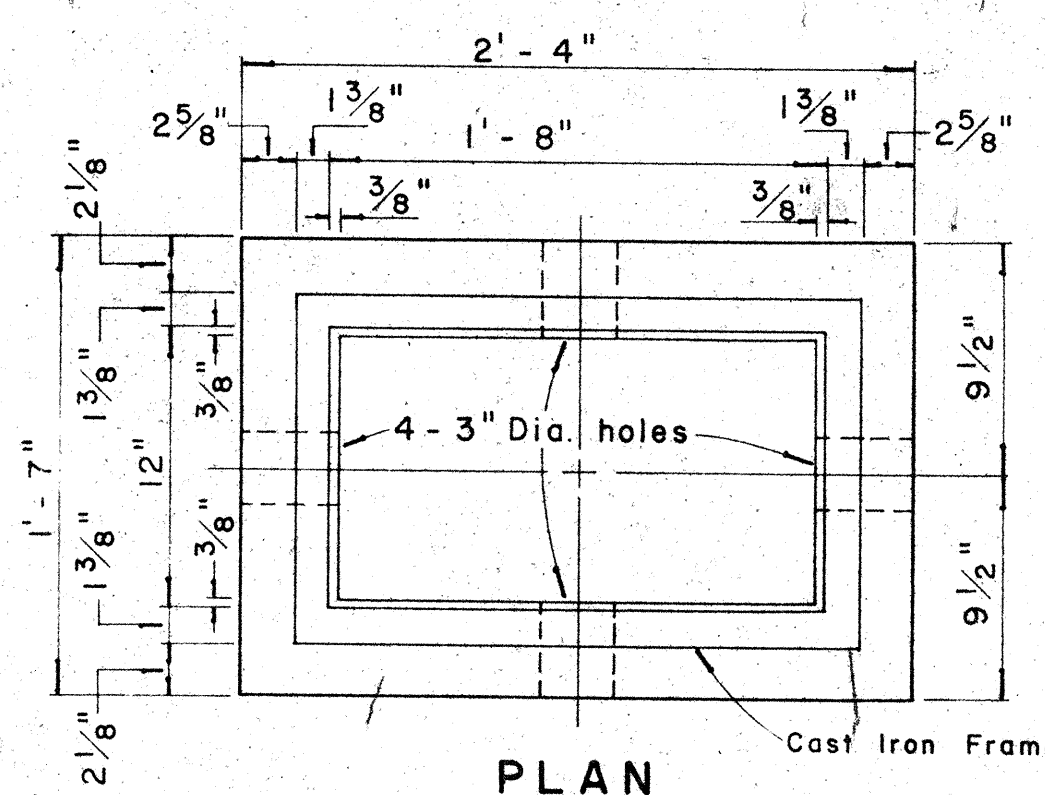
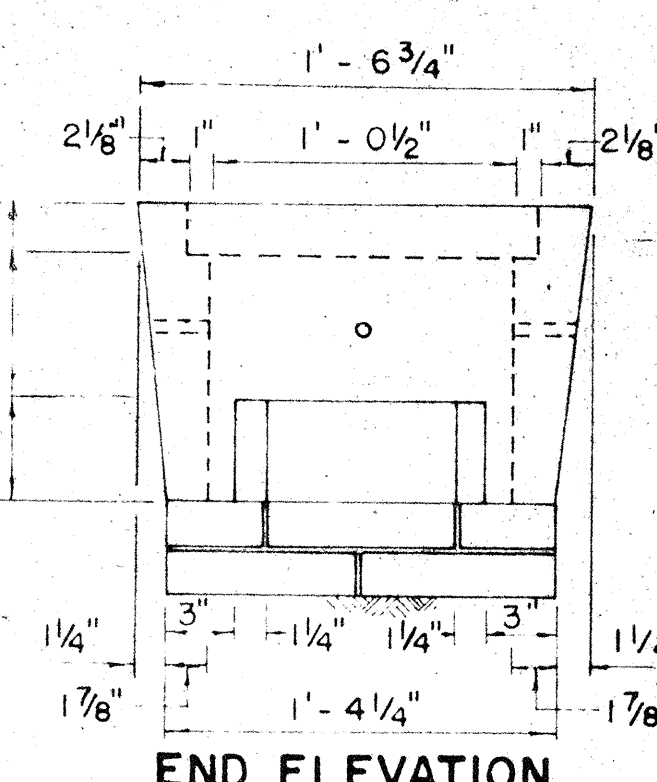
1. $\frac{3}{8}$ " Rolled steel plate cover with non-slip abrasive surfacing medium grade, natural color shall be used on all pullboxes located on sidewalk areas where pedestrians are walking
2. $\frac{3}{8}$ " Checkered plate cover shall be used on all pullboxes located in median areas and other locations where there are no pedestrians walking
3. Pull irons shall be placed opposite each conduit slot.
4. Covers on all pullboxes located in sidewalk areas shall be set flush with the concrete sidewalk.
5. Each pullbox shall have a pair of pull irons opposite each other for lifting purposes.



PULL-IN IRON DETAIL "B"
SCALE: 3" = 1' - 0"



TYPE "C" PULLBOX
SCALE: 1 1/2" = 1'-0"



**TYPICAL SECTION SHOWING CONDUITS
PASSING THROUGH CATCH BASINS**
SCALE $\frac{1}{2}" = 1'-0"$

SIDE ELEVATION END ELEVATION
CITY and COUNTY TRAFFIC DEPT.
 TYPE "B" PULLBOX

SCALE: $1\frac{1}{2}" = 1' - 0"$

APPROVED: *H. B. [Signature]* 8-2-66
ASST. CHIEF ENGINEER, BWS. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

PULLBOXES AND CONDUITS

SCALE AS NOTED

SHEET No. 3 OF 3 SHEETS