

NOTES:

- The shape, color, plate details, lettering and reflectorization of signs shall be in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways," June, 1961 and the BPR manual, "Standard Highway Signs," September, 1961, unless otherwise specified.
- All signs shall be reflectorized unless otherwise specified.
- All signs shall have 3/8" bolt holes drilled at appropriate locations unless otherwise specified.
- (R) or (L) indicates right or left and shall be as shown on the plans.

TRAFFIC SIGN SUMMARY - Proj No. G5A-01-G7				
TYPE	DESCRIPTION	QUANTITY		
		W/POST	W/O POST	RELOCATE
REGULATORY & WARNING SIGNS				
R2-1(45)	SPEED LIMIT - 45	—	—	1
R7-1	NO PARKING ANYTIME	4	—	—
R7-107(R)	NO PARKING BUS STOP	—	1	—
TOTAL		4	1	1
REFLECTOR MARKER				
RM-2	DOUBLE UNIT - AMBER	3	—	—
RM-3	TRIPLE UNIT - AMBER	6	1	—
TOTAL		9	1	—
DESTINATION SIGN				
	NIMITZ HWY., DILLINGHAM BLVD. ETC.	—	—	1
	INTERNATIONAL AIRPORT	—	—	1
TOTAL		—	—	2

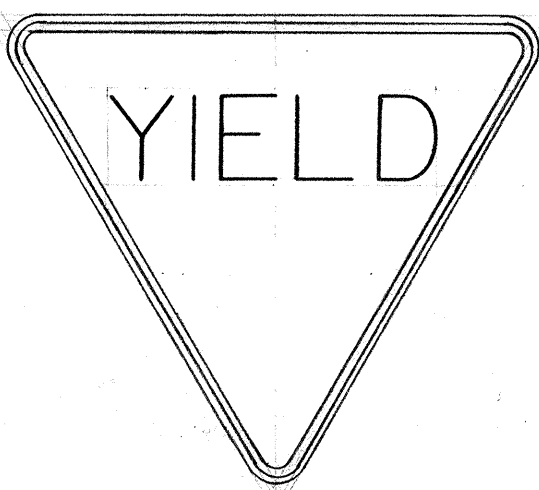
TRAFFIC SIGN SUMMARY - Proj. No. GGA-01-G7					
TYPE	DESCRIPTION	QUANTITY			
		W/ POST	W/O POST	RELOCATE	
REGULATORY & WARNING SIGNS					
R1-2	YIELD	1	—	—	
R3-9	LANE - USE CONTROL 	1	—	—	
R3-15	LANE - USE CONTROL 	2	—	—	
R16-2	MOVE ONLY IN DIRECTION OF GREEN ARROW	—	—	1	
W3-3	SIGNAL AHEAD	—	1	—	
	BEGIN 35 MILE SPEED	—	—	1	
	BEGIN 45 MILE SPEED	—	—	1	
TOTAL		4	1	3	
REFLECTOR MARKER					
RM-2	DOUBLE UNIT - AMBER	4	1	—	
RM-3	TRIPLE UNIT - AMBER	1	—	—	
TOTAL		5	1	—	
DESTINATION SIGN					
	TRIPLER GENERAL HOSPITAL , HONOLULU	—	—	1	
TOTAL		—	—	1	

LEGEND

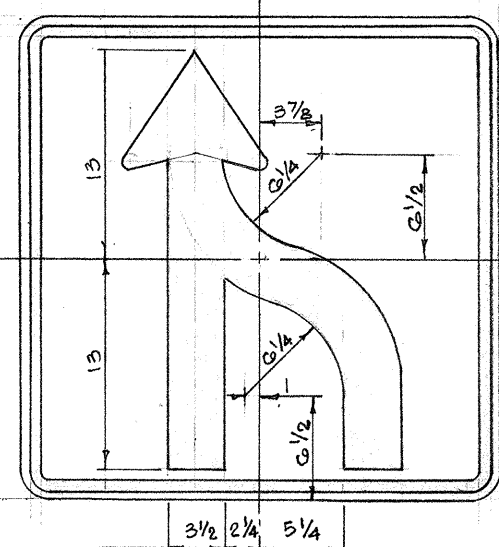
- New sign
□ Existing sign
p Sign mounted on galvanized iron pipe
f Destination sign mounted on two galvanized iron pipes.
t Reflector marker mounted on galvanized channel.

GENERAL NOTES

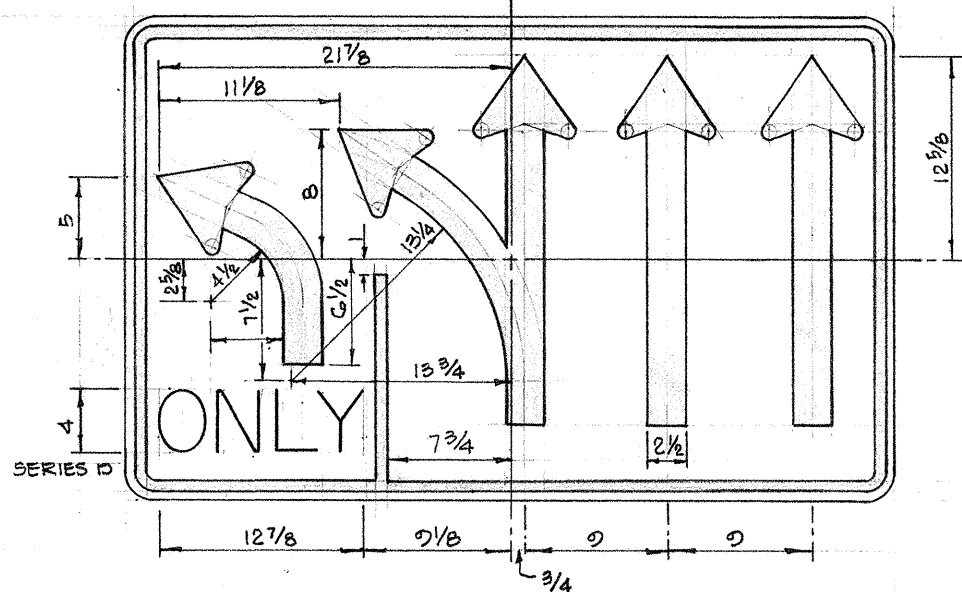
- Exact location of signs to be determined in the field by the Engineer.
- Existing signs to remain unless noted otherwise.



R1-2 36"x36"x36"



R3-9 30"x30"



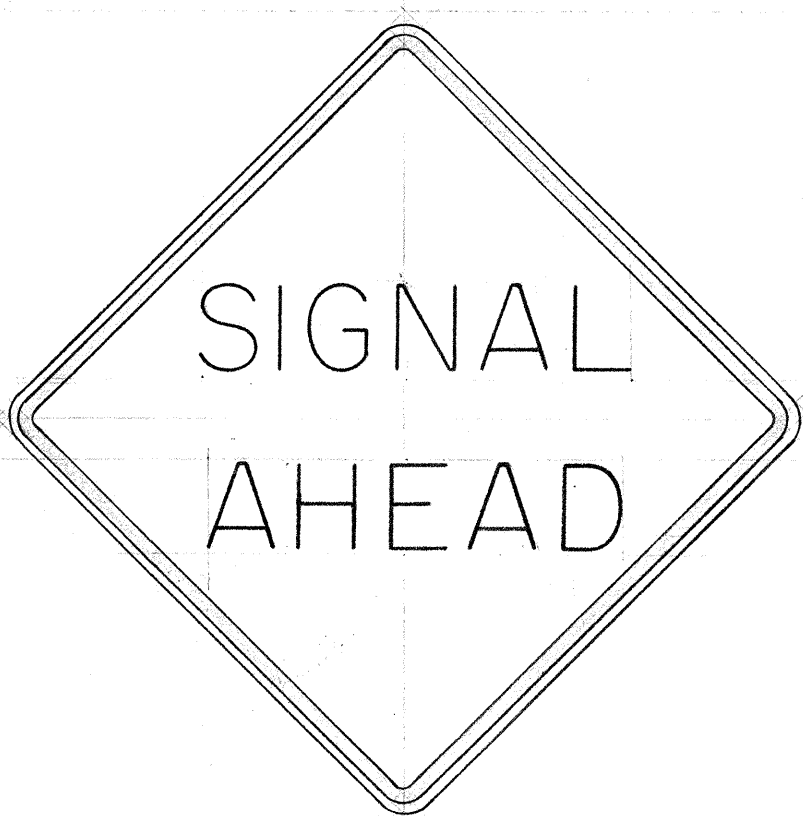
R3-15 30"x48"



R7-1 12"x18"



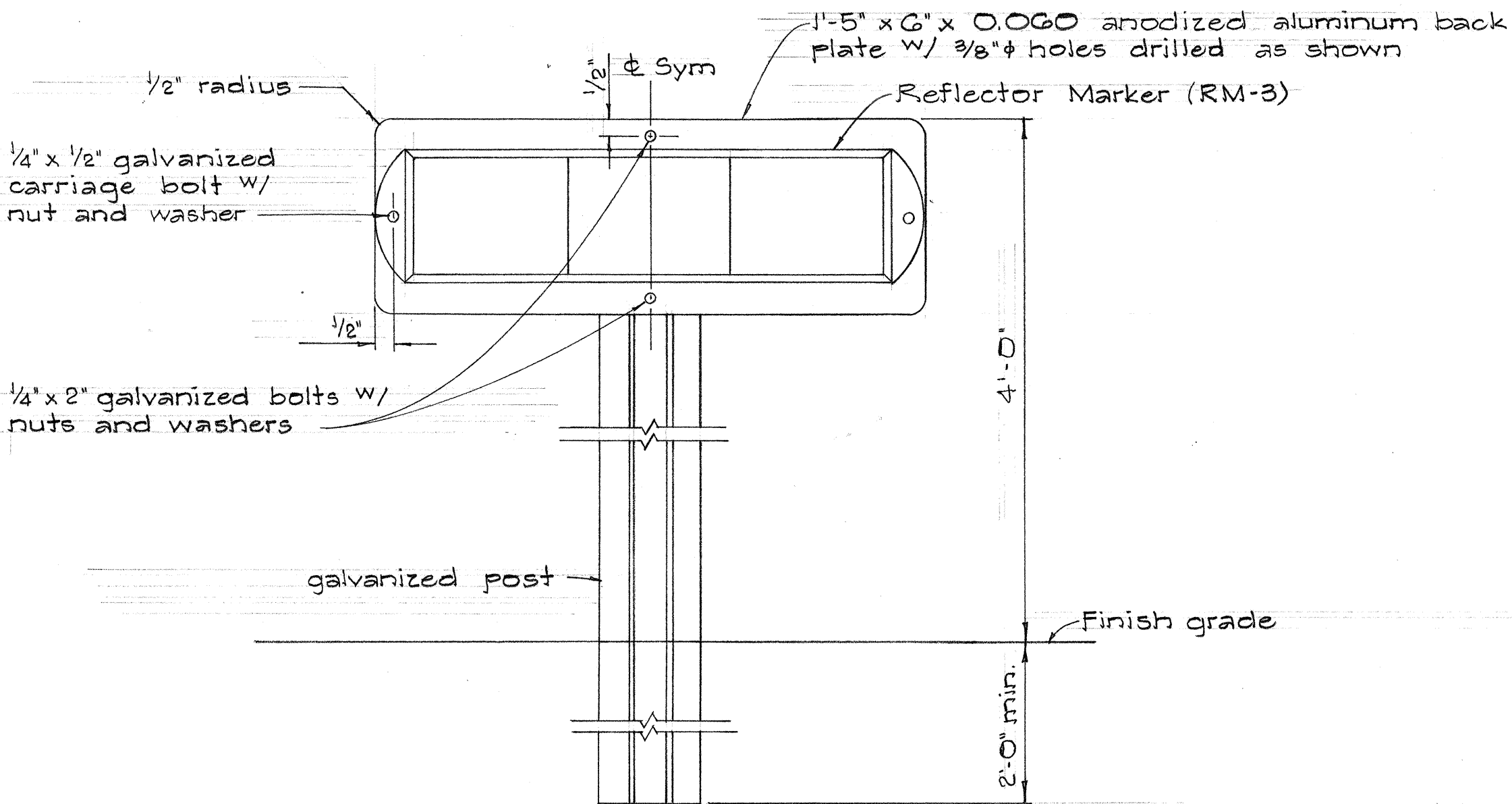
R7-107(R) 12"x18"



W3-3 36"x36"

TRAFFIC SIGN DETAILS

Scale: 1"=1'-0"



TYPICAL DETAIL

HORIZONTAL REFLECTOR MARKER

Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

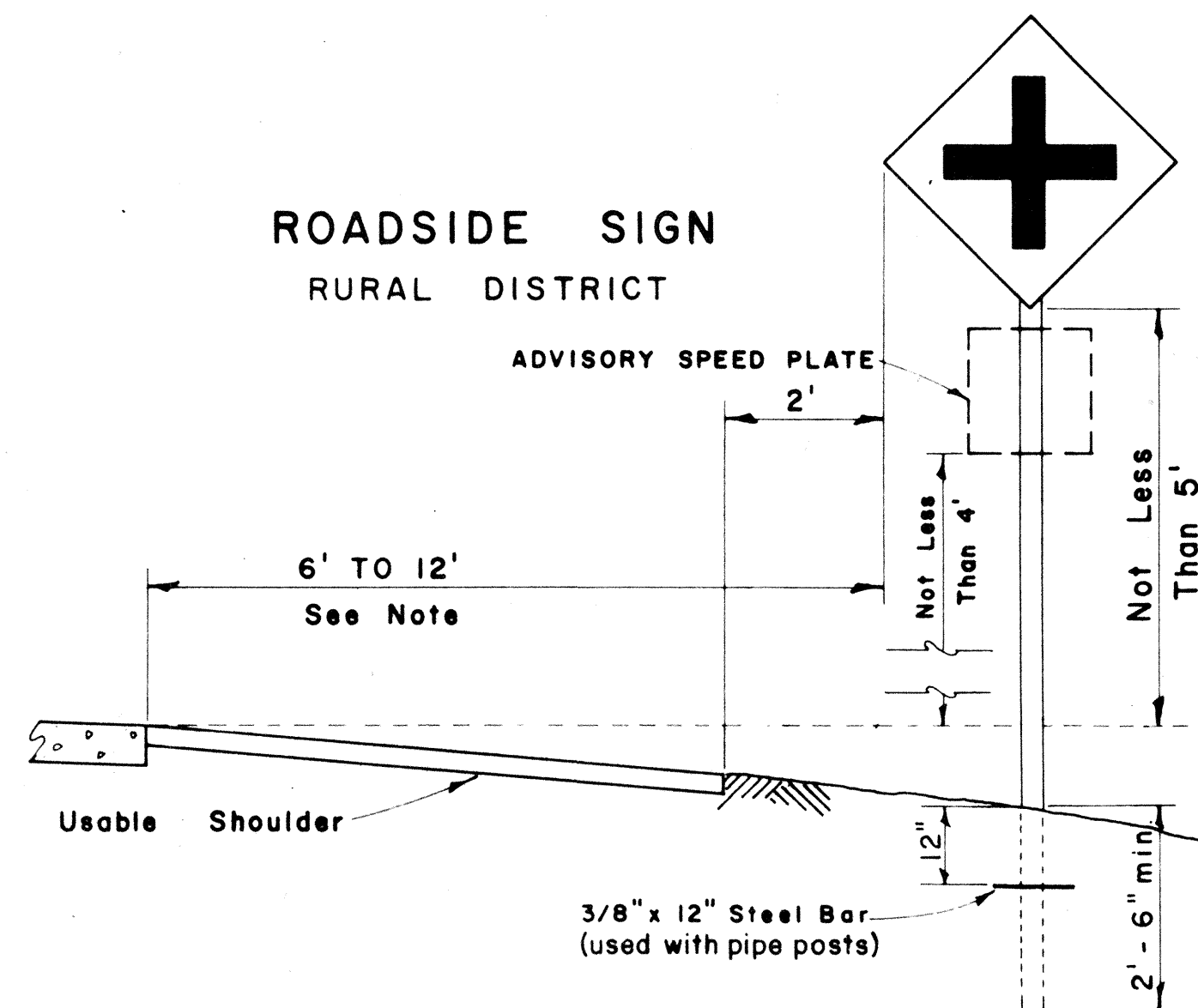
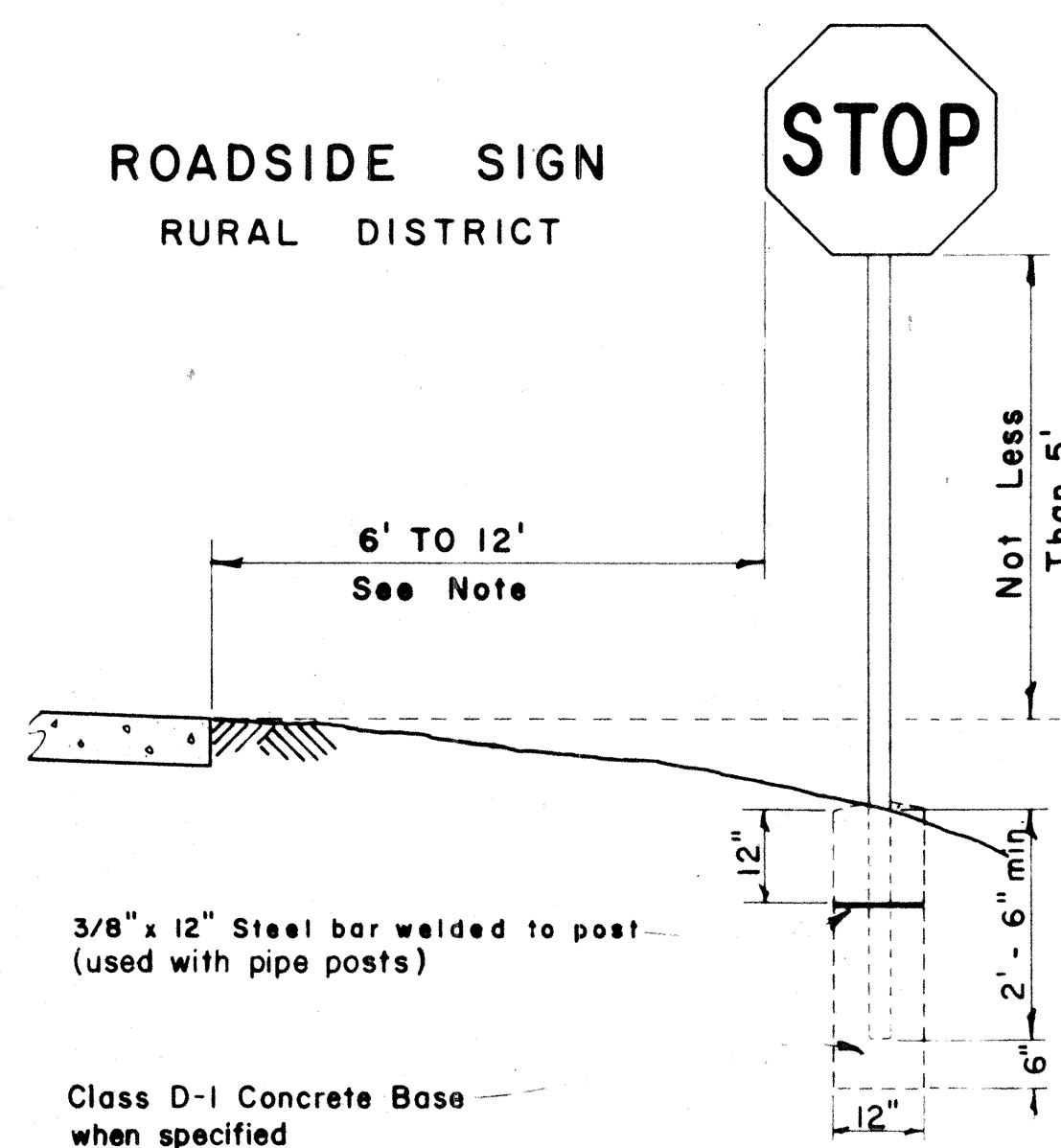
MISCELLANEOUS DETAILS

MIDDLE STREET WIDENING
Project No. G5A-01-G7
PUULOA ROAD WIDENING
Project No. GGA-01-G7

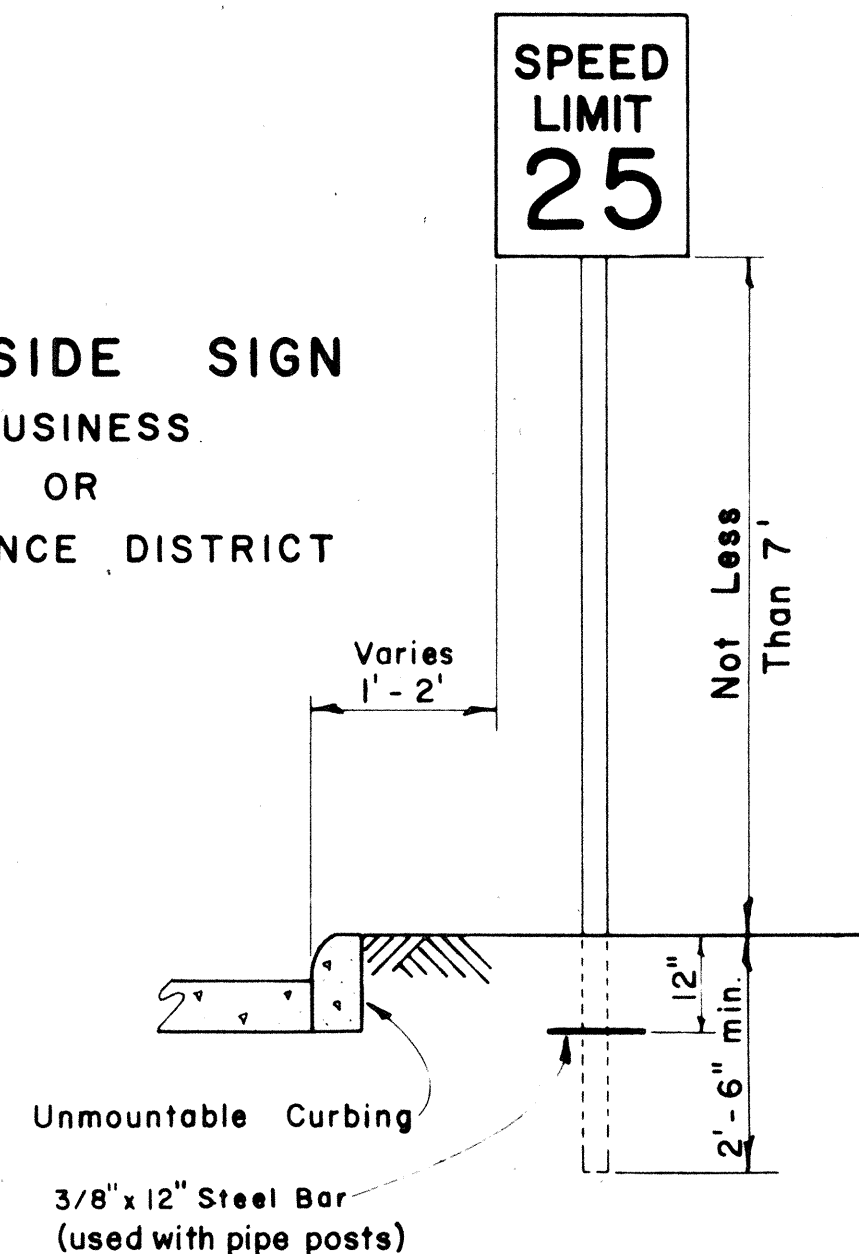
Scale: as noted Sept, 1966

SHEET No. 1 OF 5 SHEETS

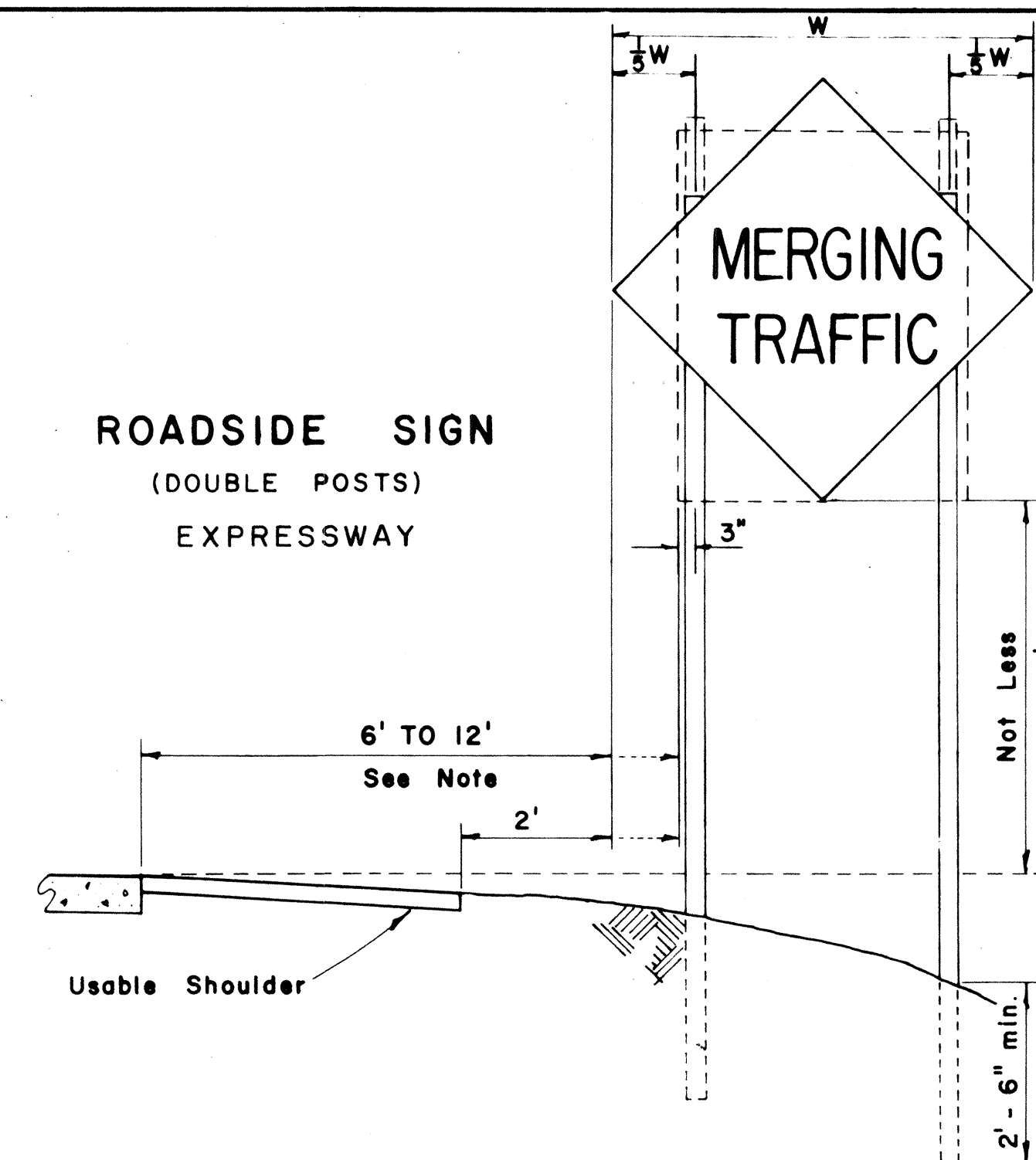
- NOTE:
- All signs and road delineators shall be placed 2' outside the usable roadway shoulder or 1' outside unmountable curbing present and within the limits shown below.
 - Except as noted below, sign posts shall be either 3" galv. std. pipe or 2 1/2" x 2 1/2" galv. square tube posts for signs larger than 24" in any dimension; 2" galv. std. pipe or 2" x 2" galv. square tube posts for signs 24" or less in any dimension.
 - Sign shall be attached to post with 5/16" galvanized bolts with nuts and 7/8" x 7/8" x .120" stainless-steel washers with neoprene rubber gasket.
 - Clearance Markers (RM-3, RM-4) shall be installed with the inside edge of the marker in line with the inner edge of the obstruction.
 - Signs 48" and wider or larger than 10 sq. ft. in area shall be mounted on two 3" galv. std. pipe or two 2 1/2" x 2 1/2" galv. square tube posts.



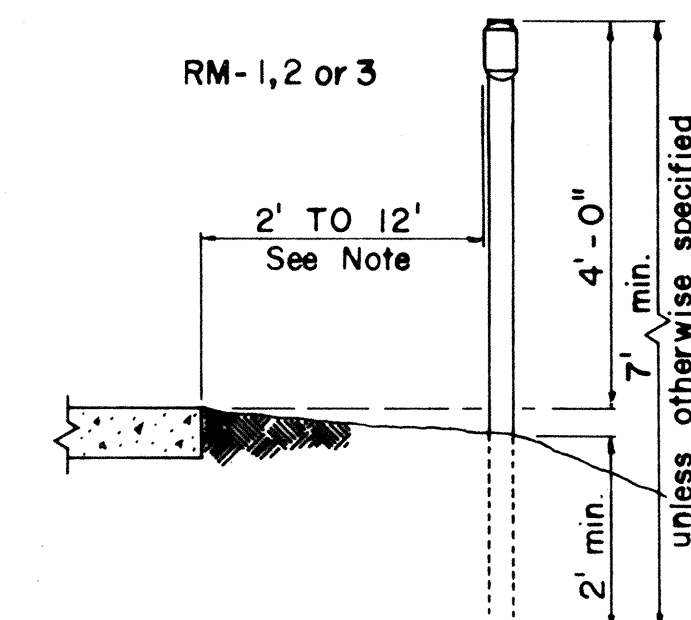
ROADSIDE SIGN
BUSINESS
OR
RESIDENCE DISTRICT



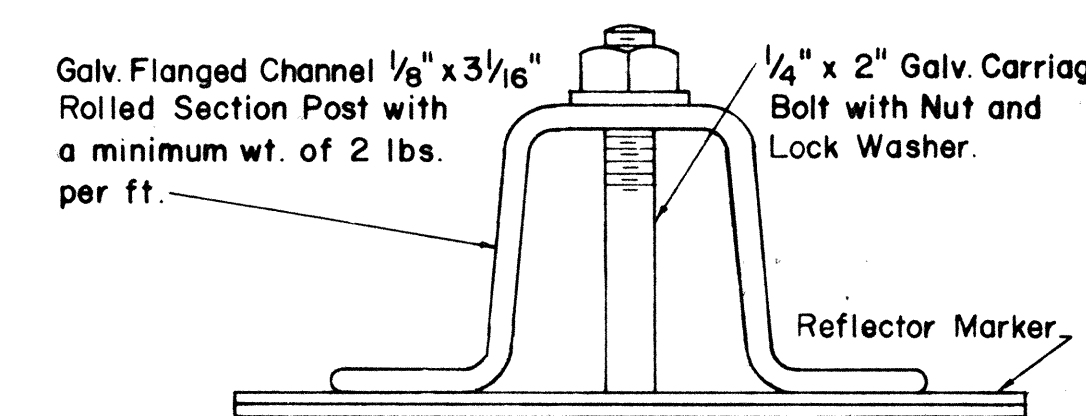
ROADSIDE SIGN
(DOUBLE POSTS)
EXPRESSWAY



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				

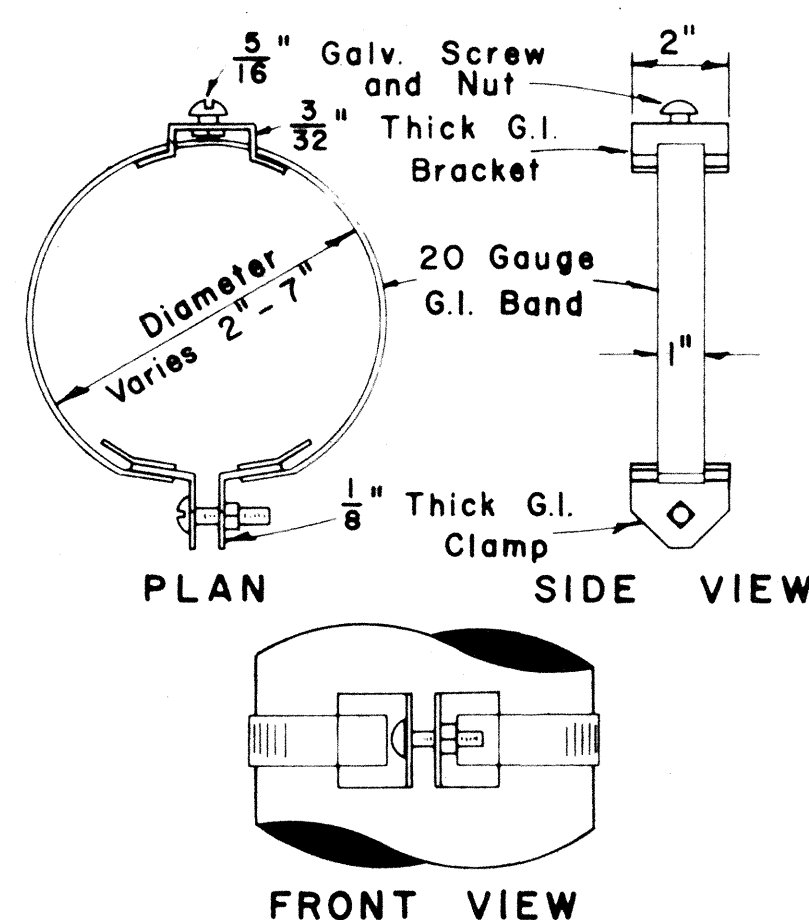
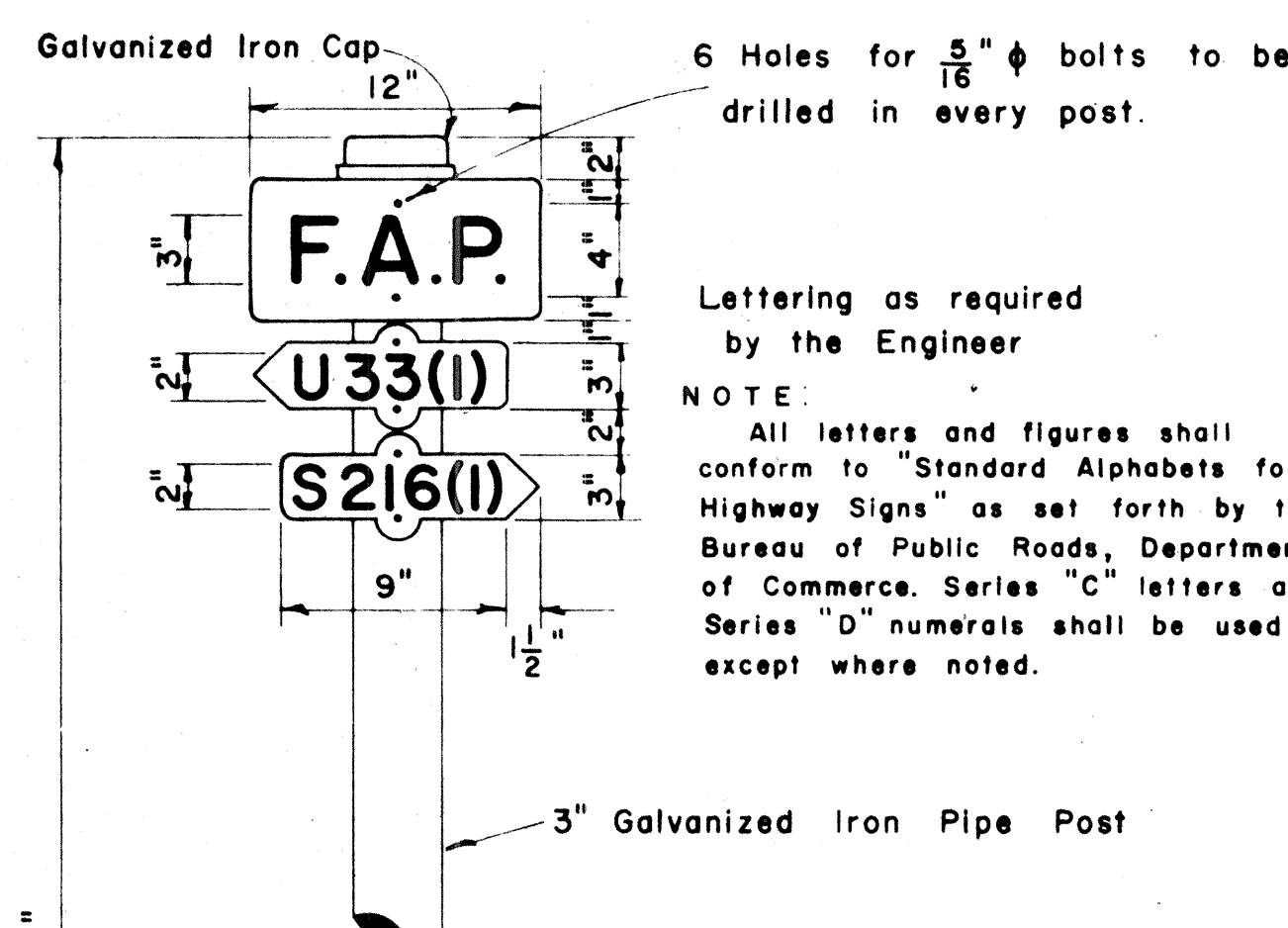


ROAD DELINEATOR
Scale: 1/2" = 1' - 0"

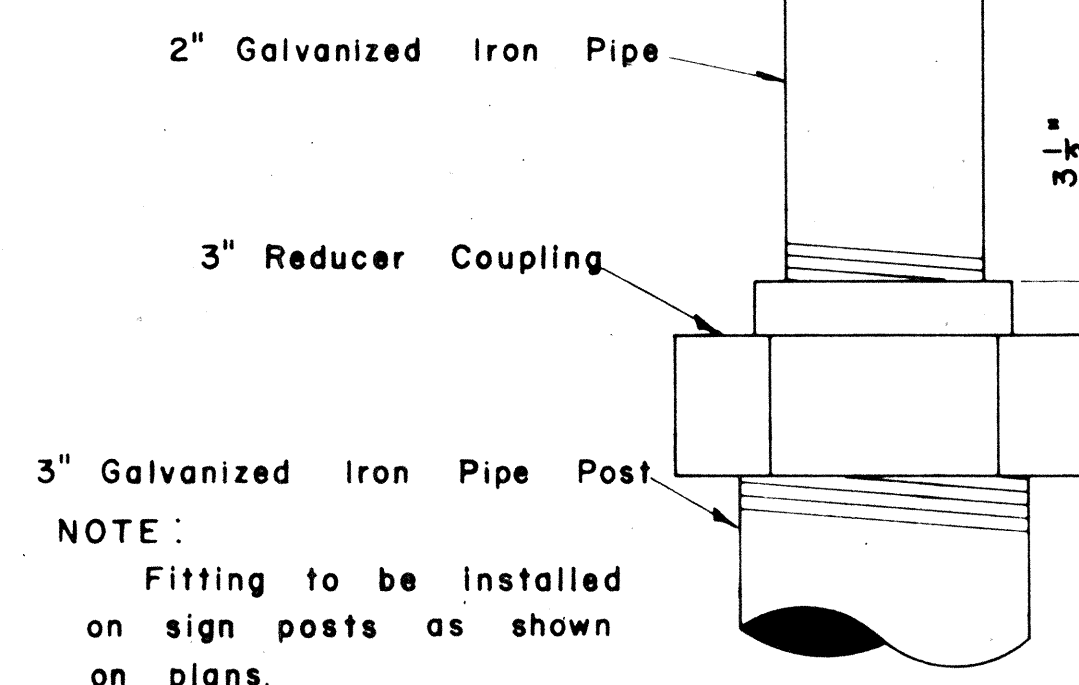


HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS

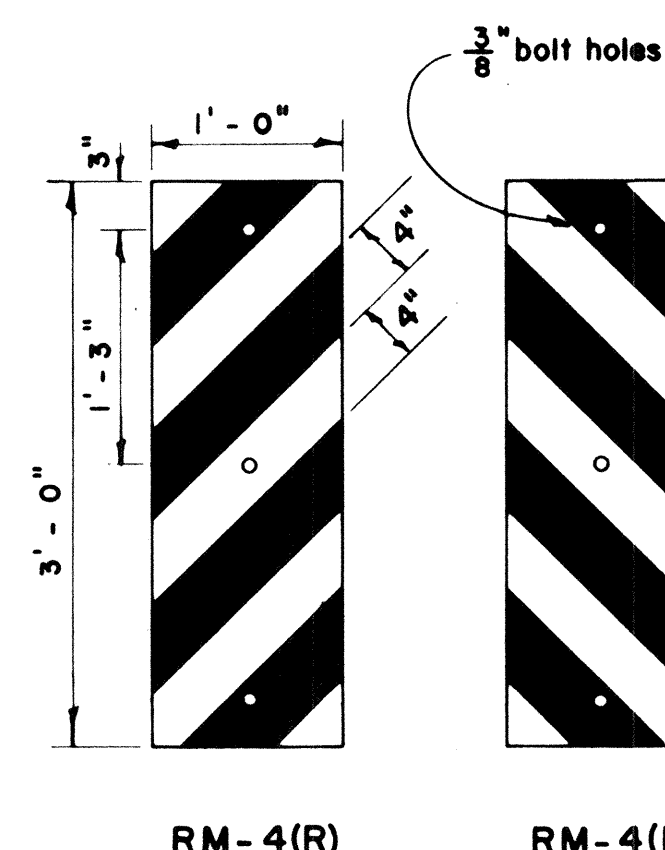
Scale: 1/2" = 1' - 0"



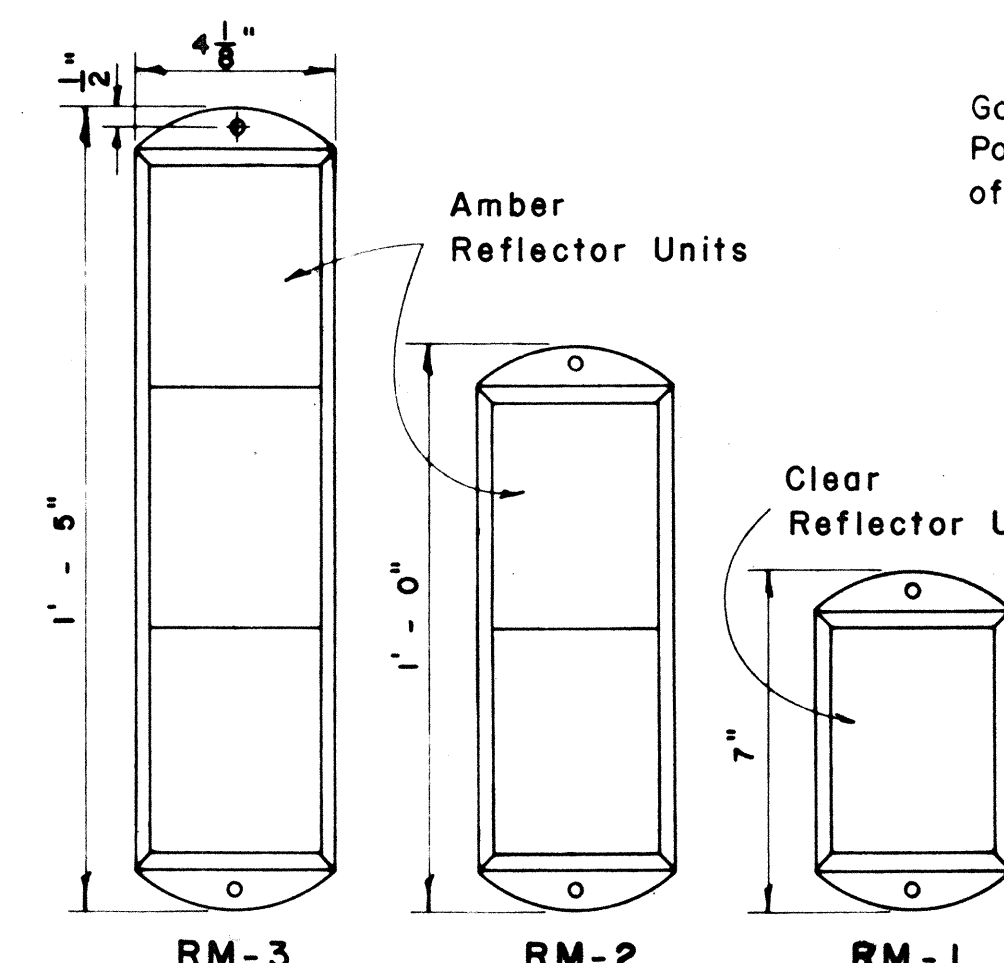
TYPICAL BAND BRACKET FOR MOUNTING TRAFFIC SIGNS
Scale: 3" = 1' - 0"



DETAIL OF SIGN POST FITTING FOR CITY & COUNTY STREET NAME SIGNS
Scale: 1/2" = 1'

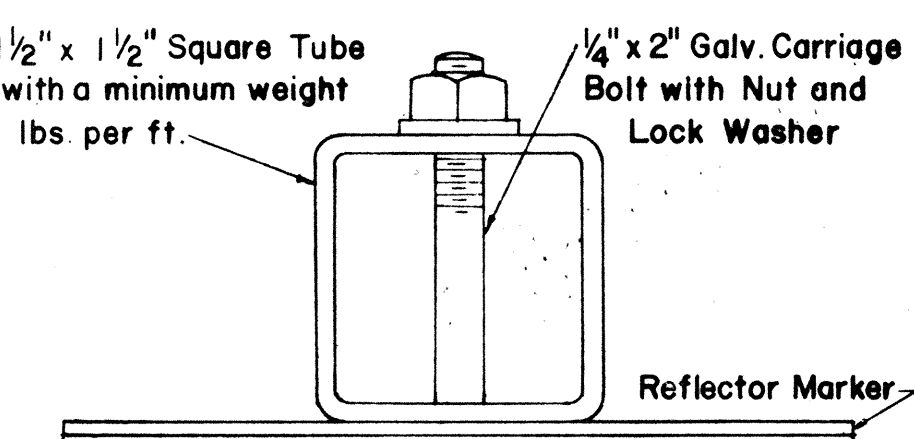


Scale: 1" = 1' - 0"



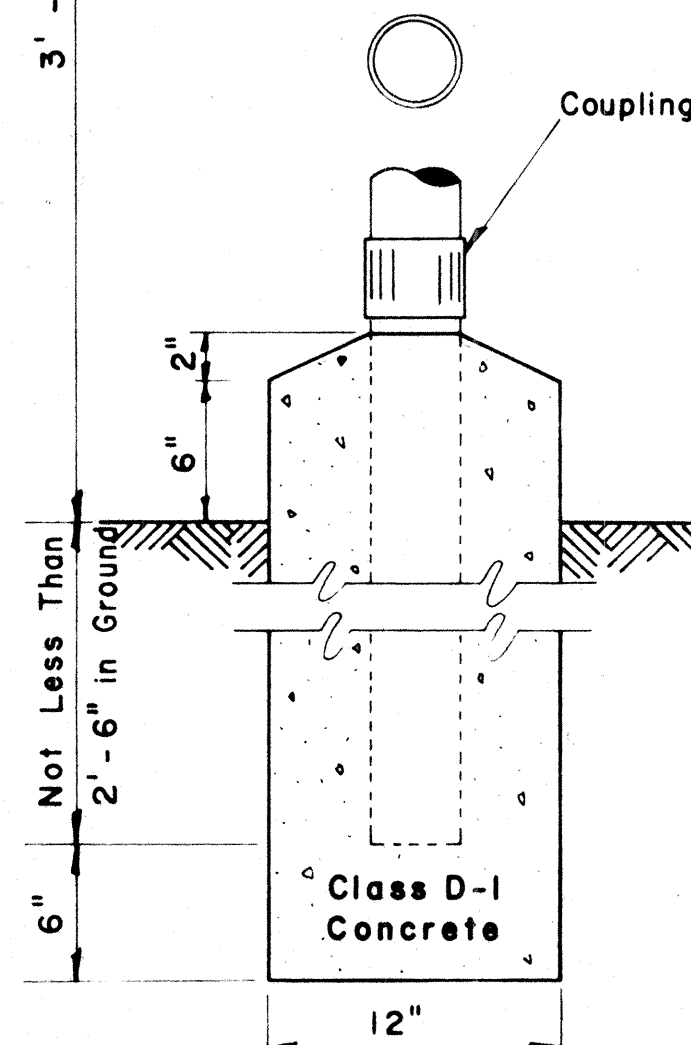
Scale: 3" = 1' - 0"

REFLECTOR MARKERS
Scale: As Shown

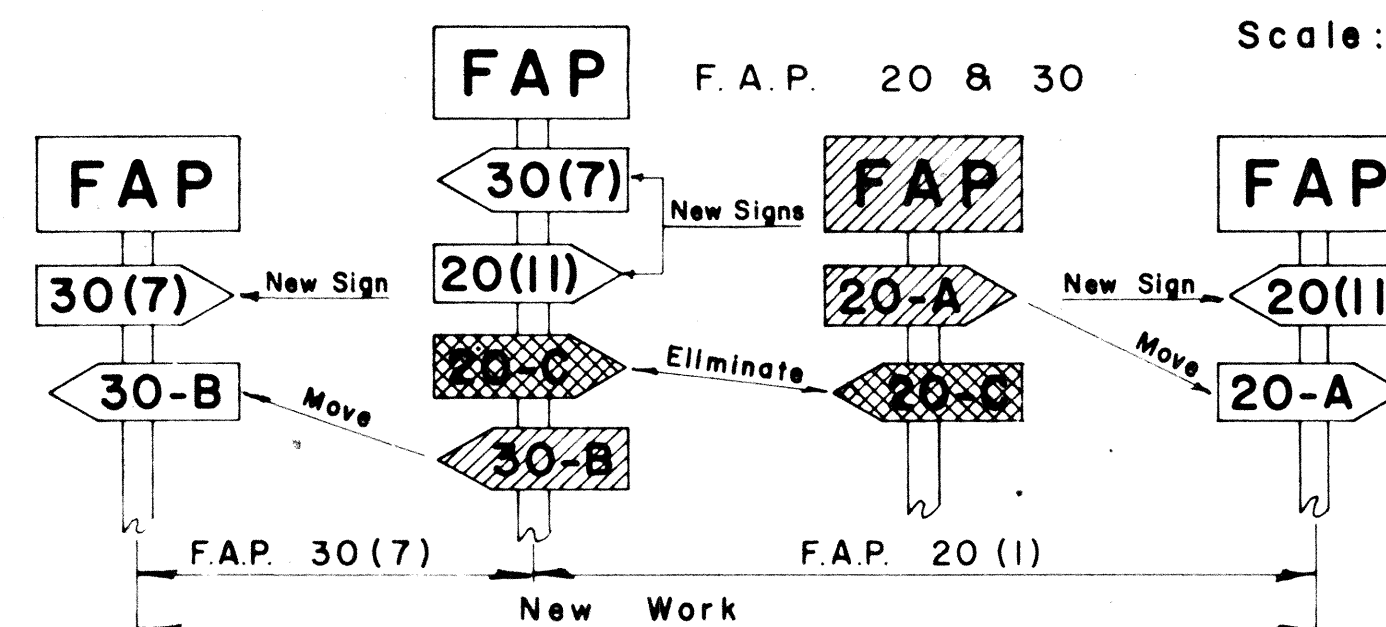


TYPICAL SECTION OF ROAD DELINEATOR
Full Size

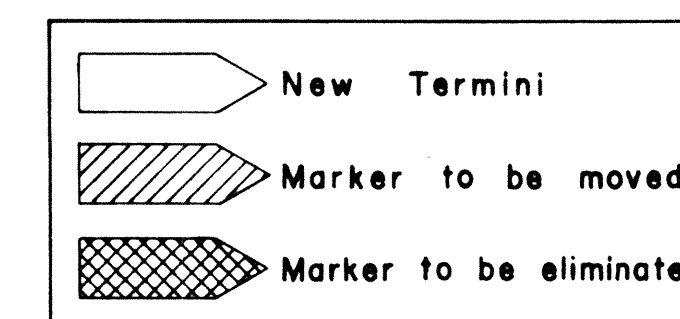
NOTE: Reflector Markers RM-1, 2, 3 shall be glass sphere reflector markers with 4" x 5" reflector units (as shown) or plastic prismatic reflector markers with 3" diameter reflector units.



FEDERAL AID MARKER
Scale: 1/2" = 1' - 0"



METHOD OF MARKING F.A. PROJECTS AT OVERLAPS
(USING NUMBER SUFFIX ON NEW WORK)



APPROVED: _____ DATE: 11/1/64
DIRECTOR OF TRANSPORTATION

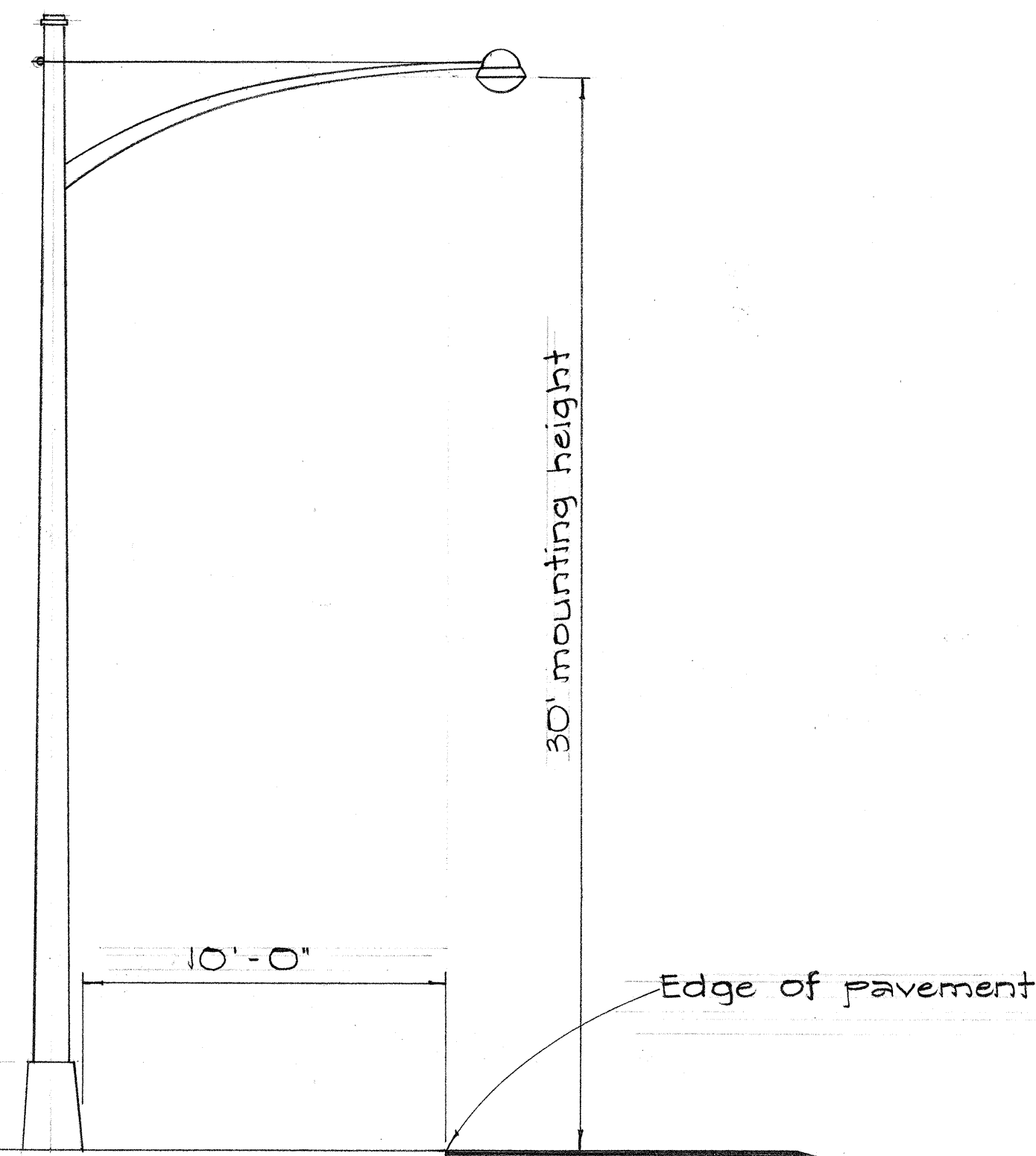
PUULOA ROAD WIDENING Proj. No. 66A-01-67
MIDDLE STREET WIDENING Proj. No. 65A-01-67

DECEMBER 8, 1964
REVISED: FEBRUARY 25, 1964

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD DETAILS
F.A. MARKER
AND
MISCELLANEOUS SIGN
DETAILS
Scale: As Shown

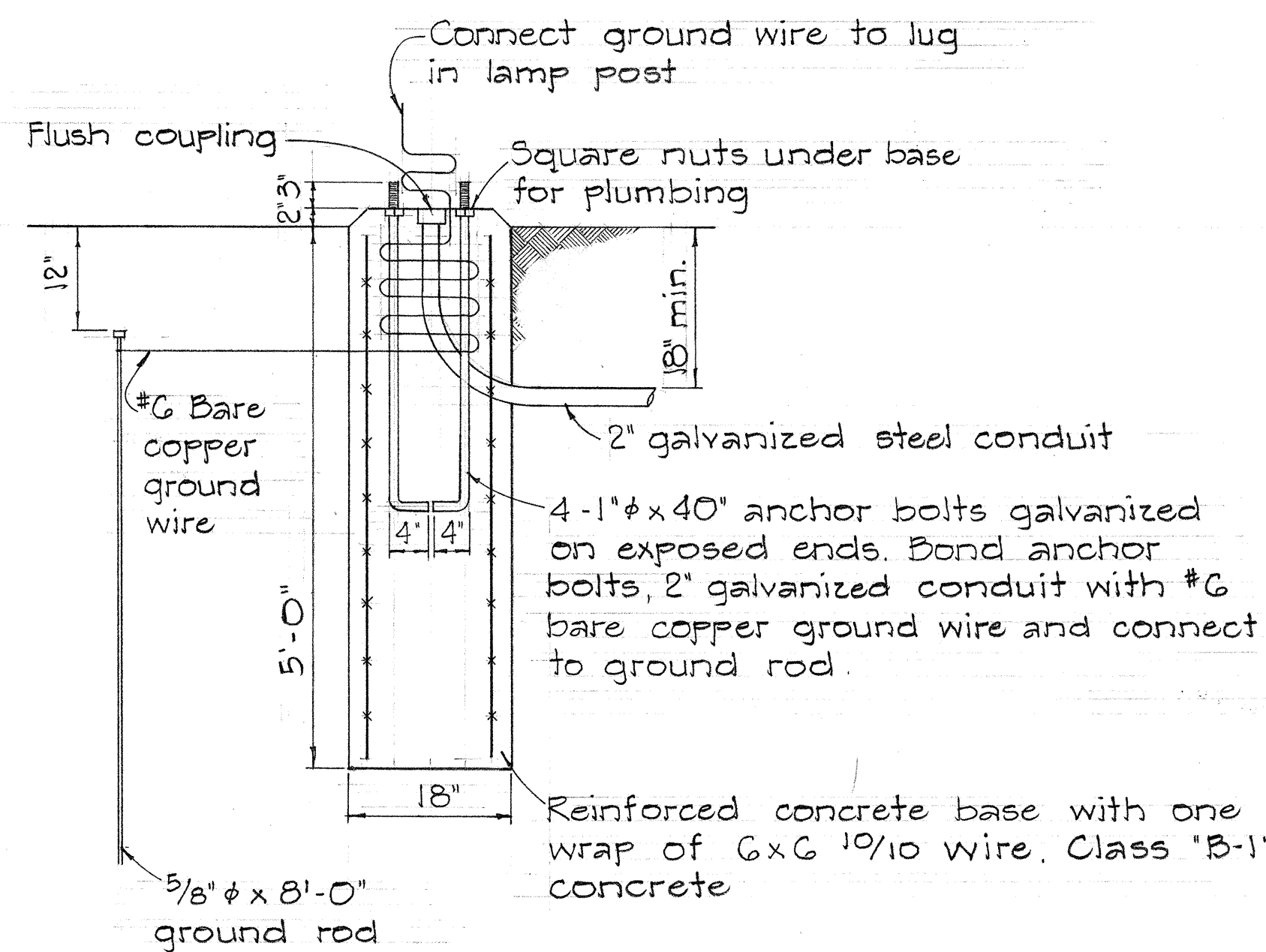
SHEET No. 2 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				



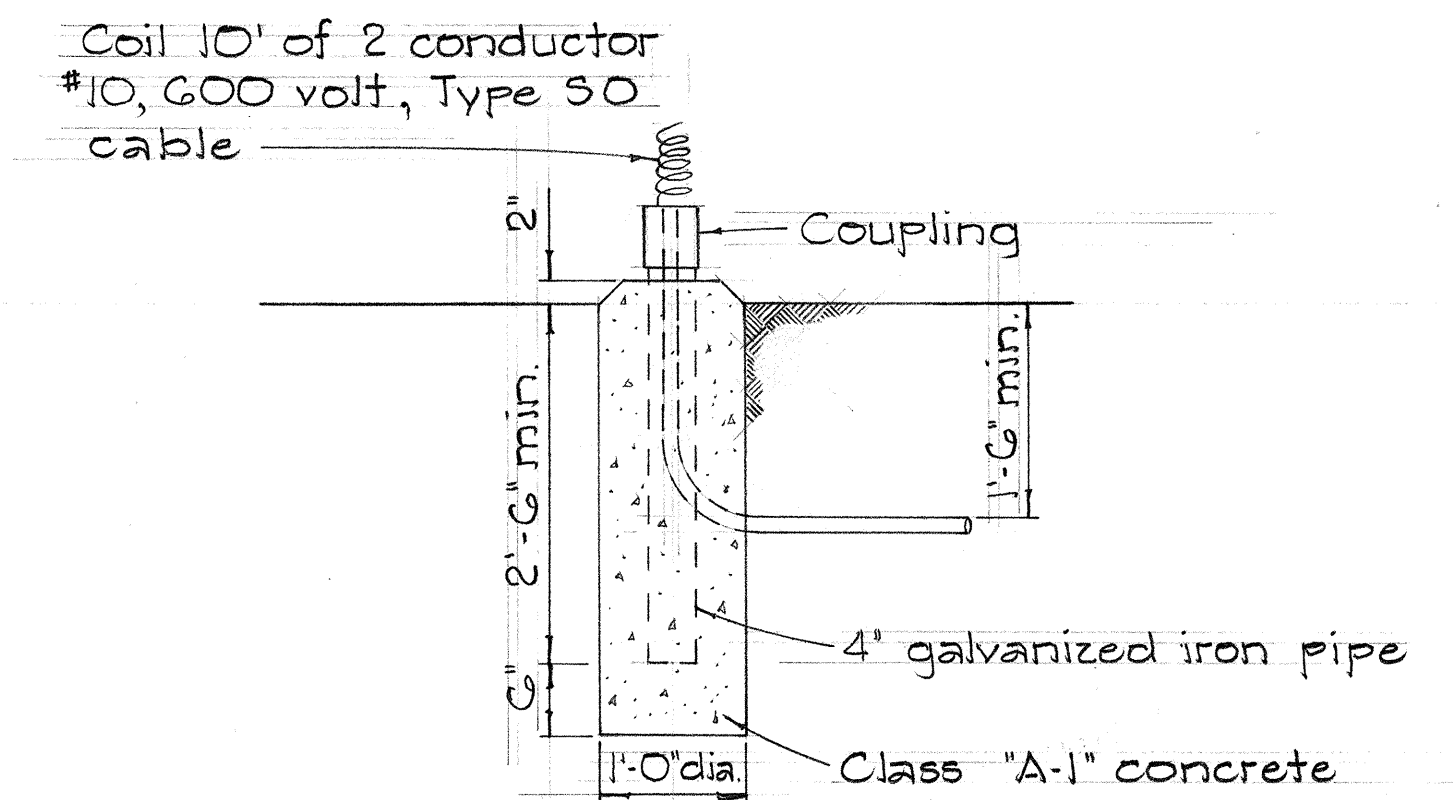
INSTALLATION OF LIGHT STANDARD

Not to Scale



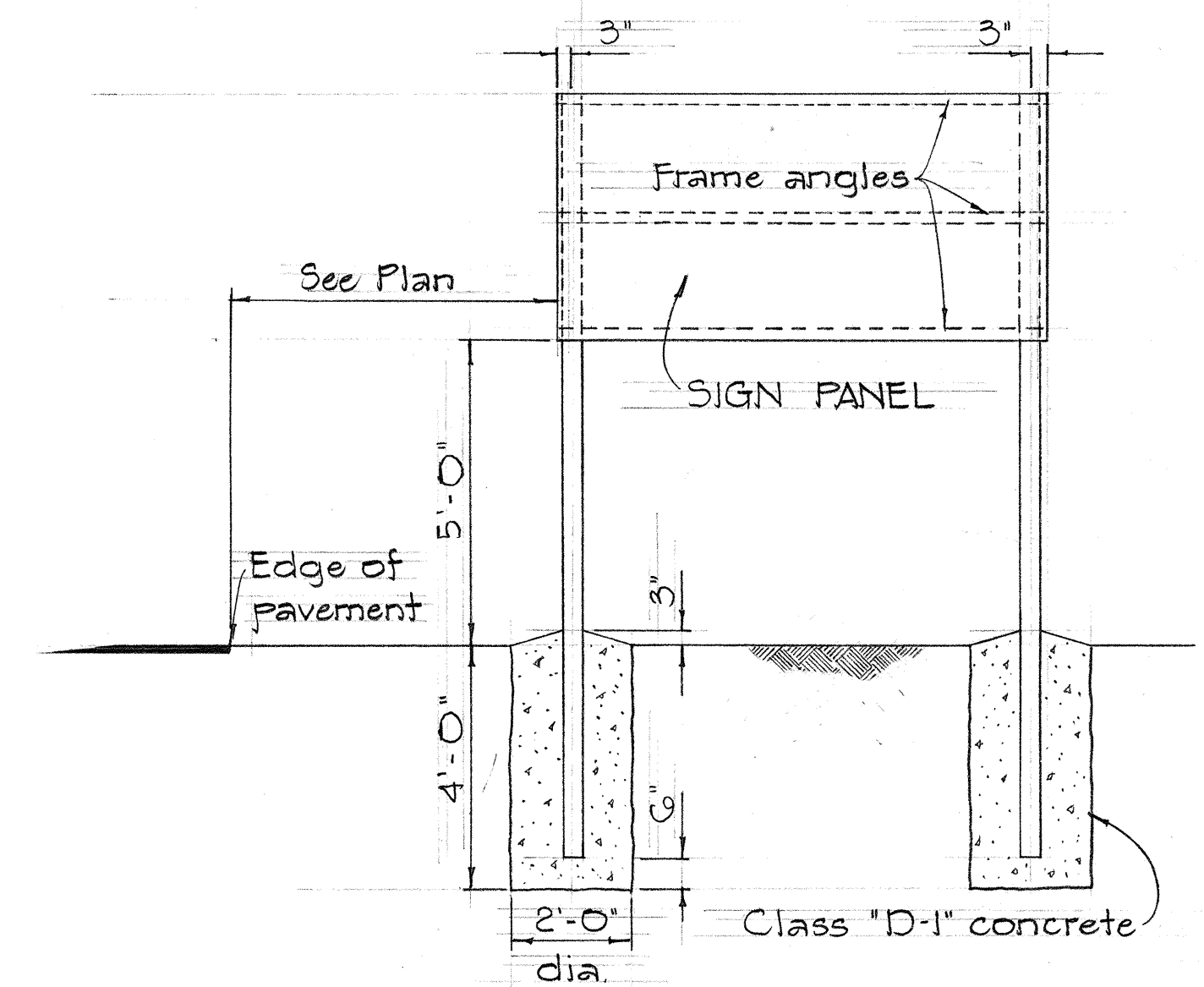
LIGHTING STANDARD BASE

Scale: 3/4" = 1'-0"



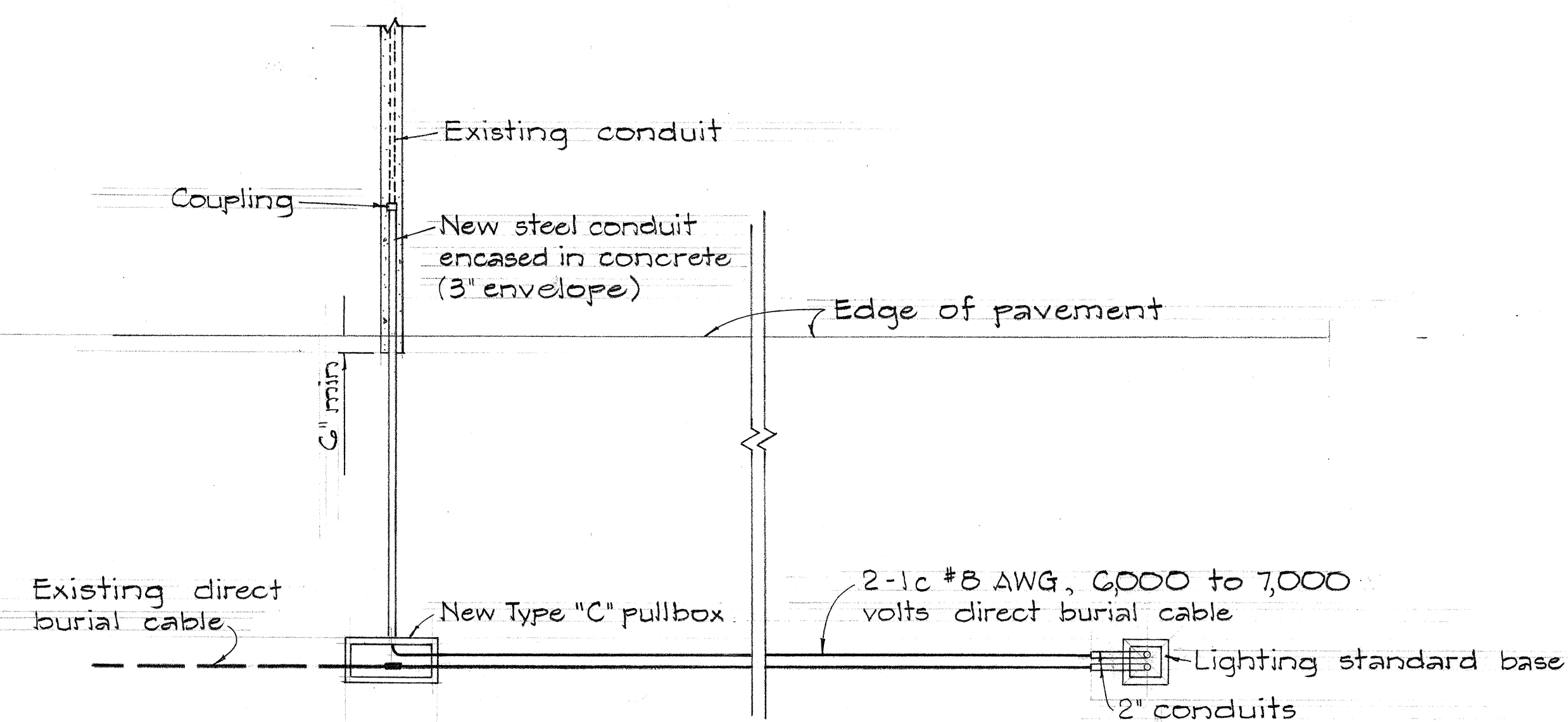
FLASHER FOUNDATION DETAIL

Not to Scale



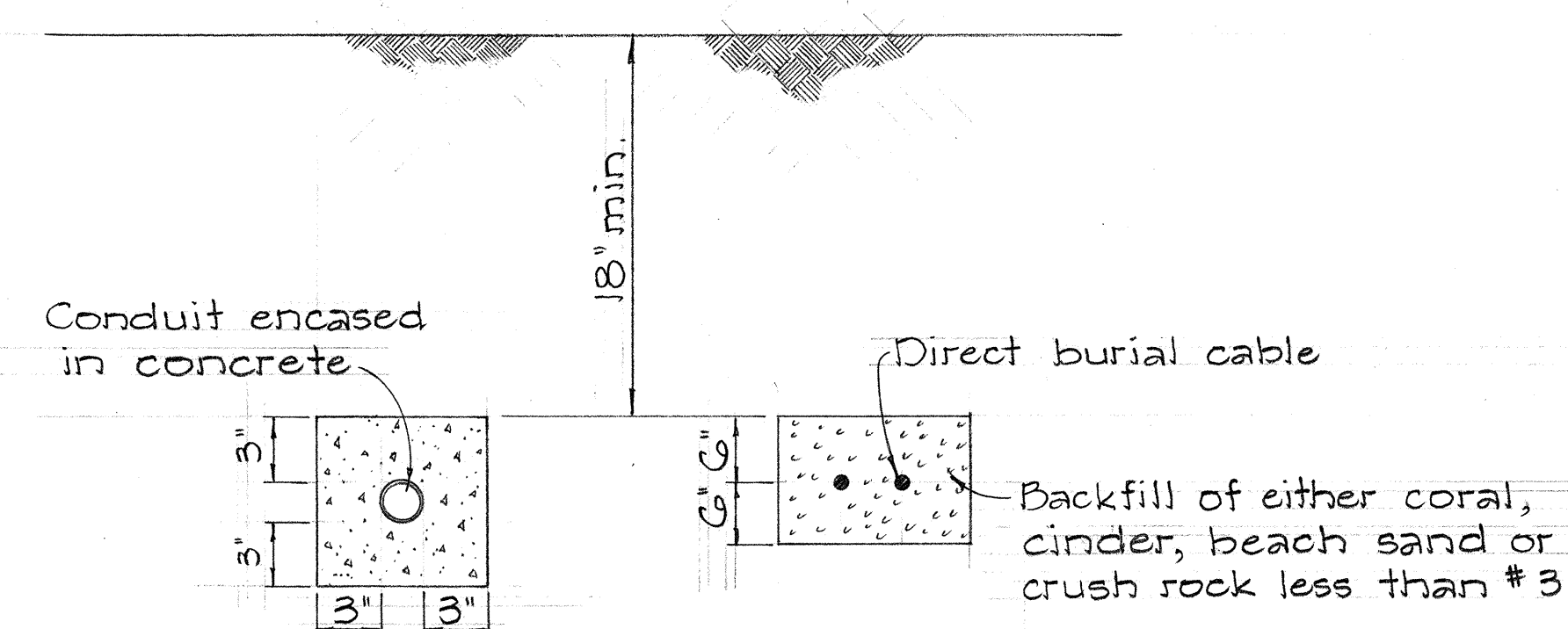
DESTINATION SIGN DETAIL

Not to Scale



LAYOUT PLAN

Not to Scale



DETAILS OF CONDUITS & DIRECT BURIAL CABLE

Not to Scale

MISCELLANEOUS DETAILS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

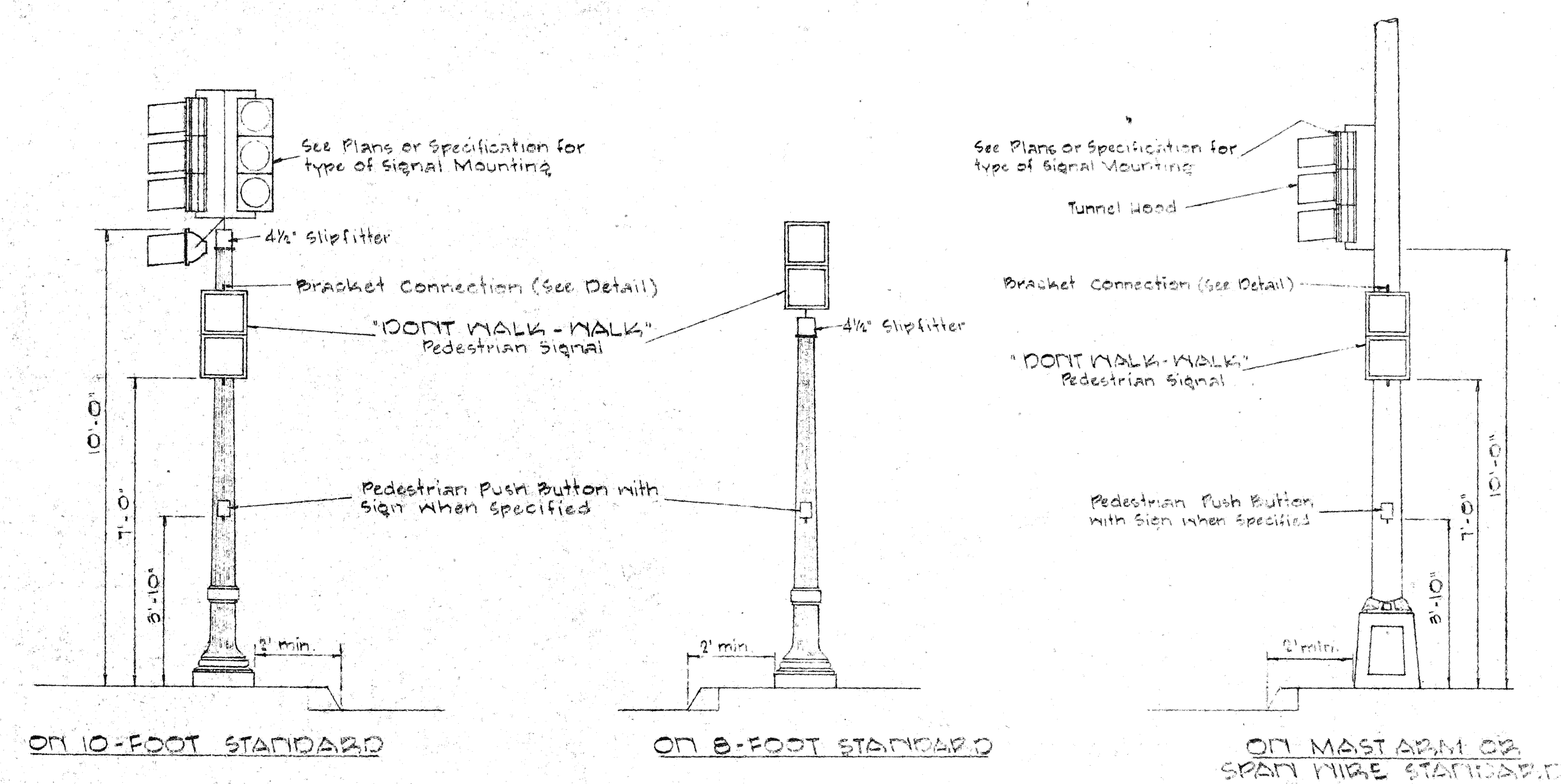
MIDDLE STREET WIDENING
Project No. G5A-01-G7
PUULOA ROAD WIDENING
Project No. G6A-01-G7

Scale: as noted

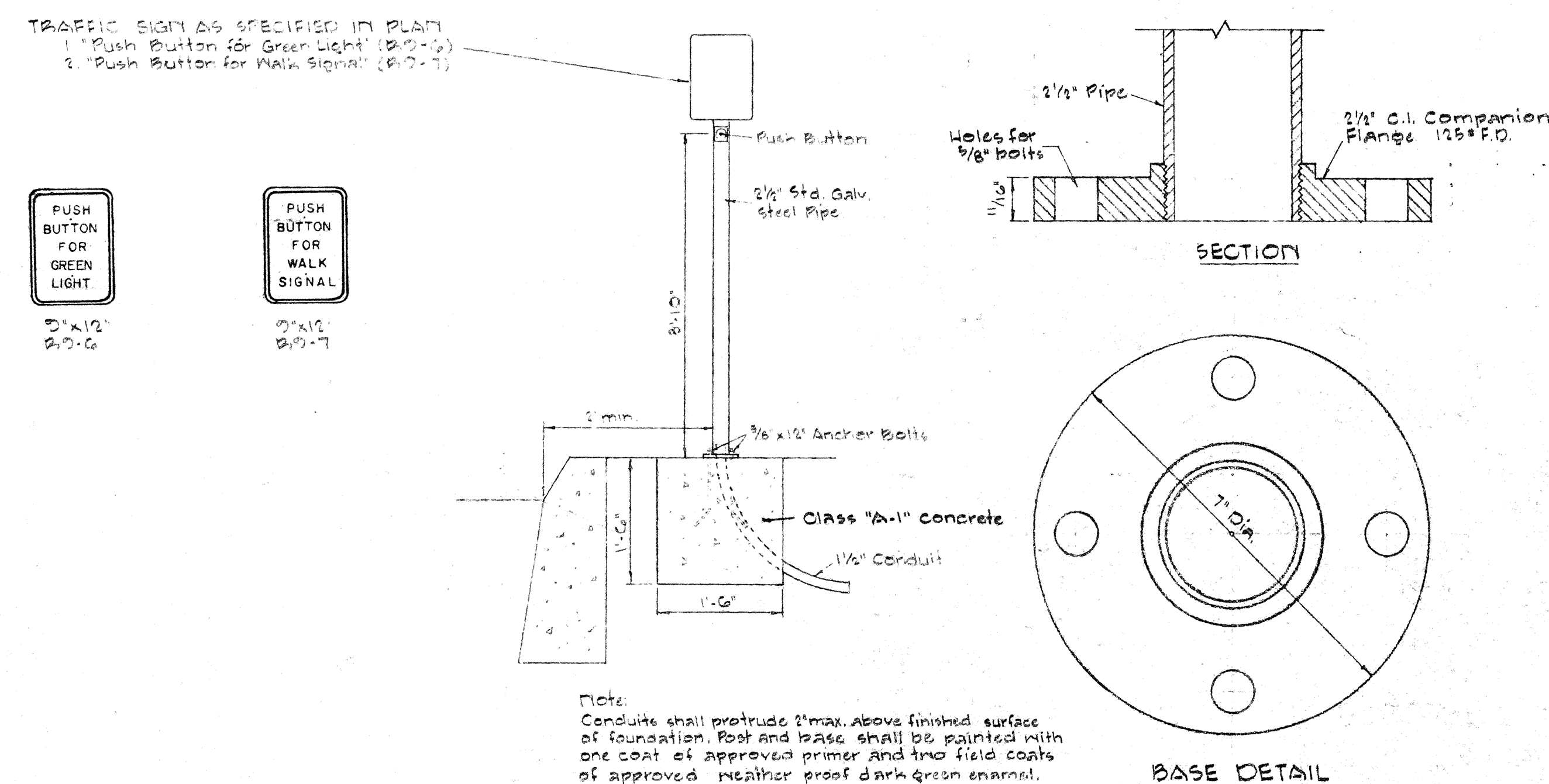
Sept. 1966

SHEET No. 3 OF 5 SHEETS

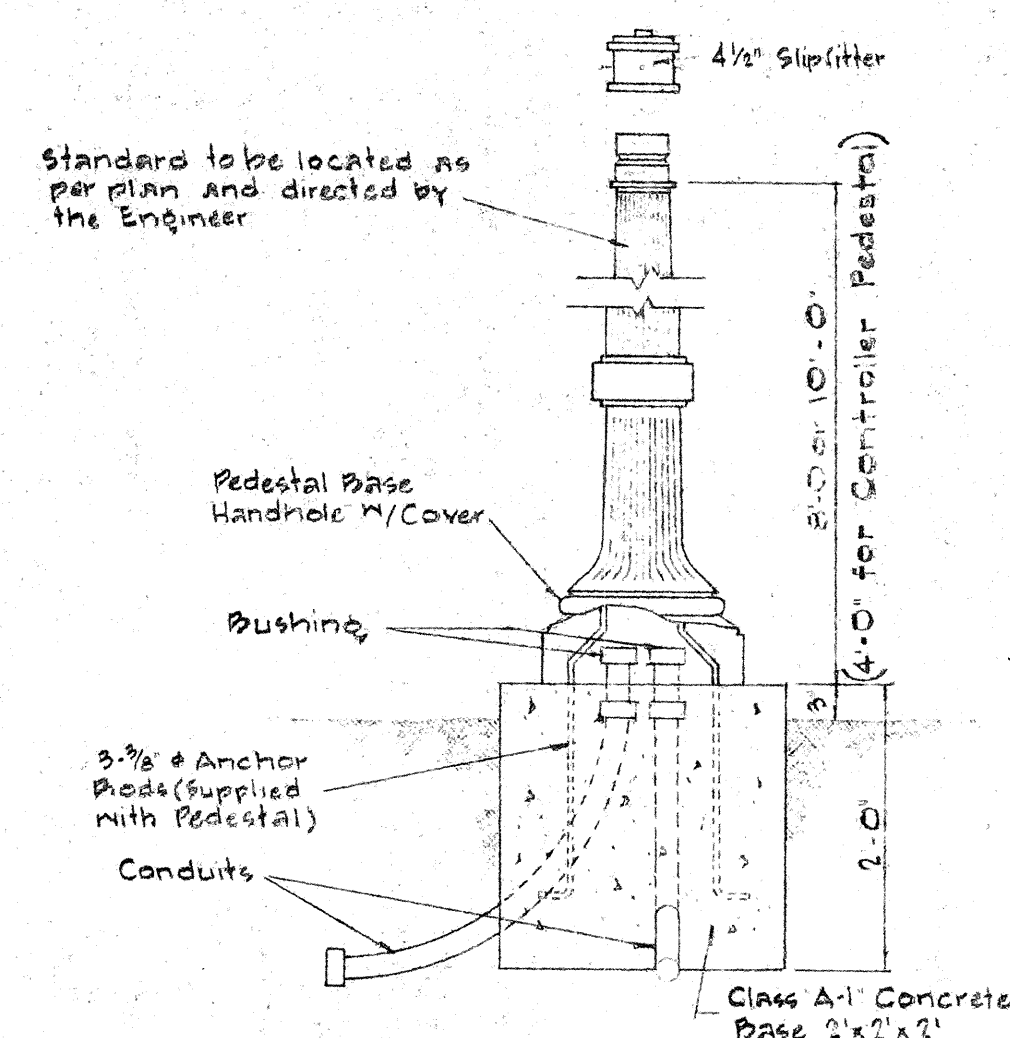
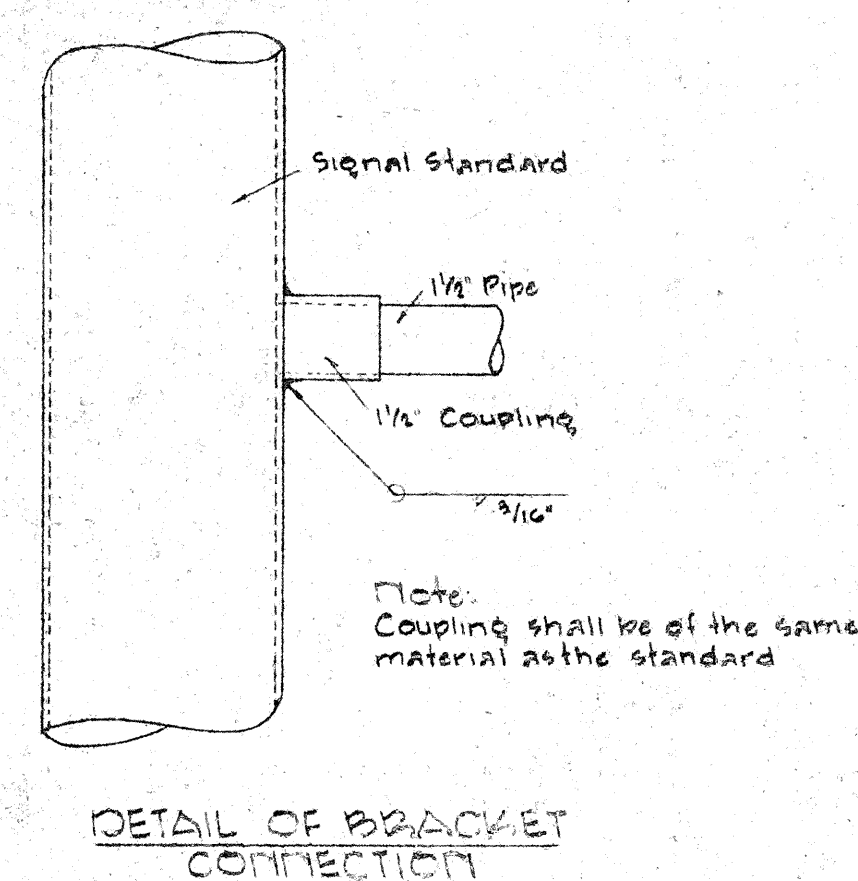
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOT SHE
HAWAII	HAW.				



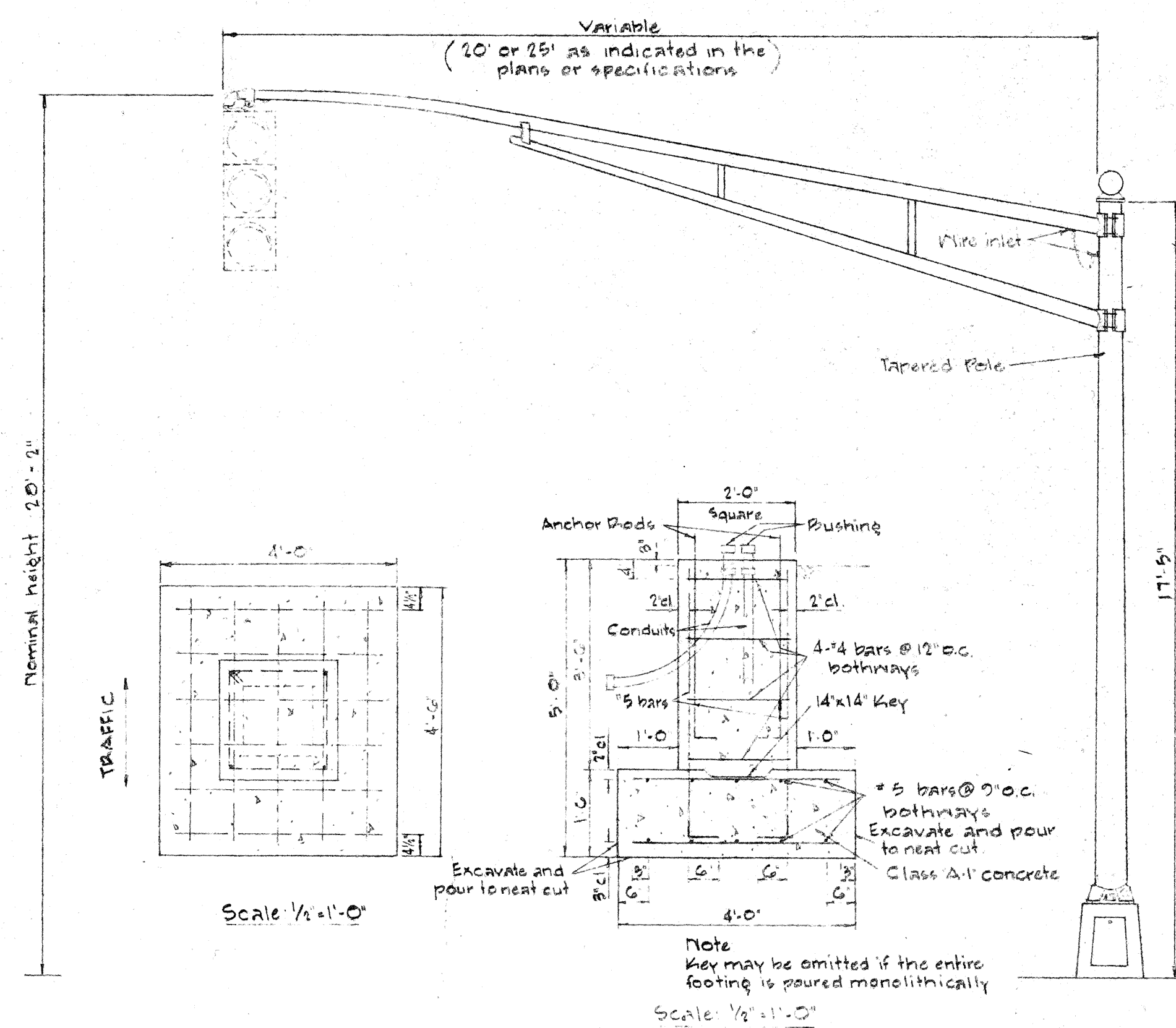
TYPICAL EQUIPMENT MOUNTING



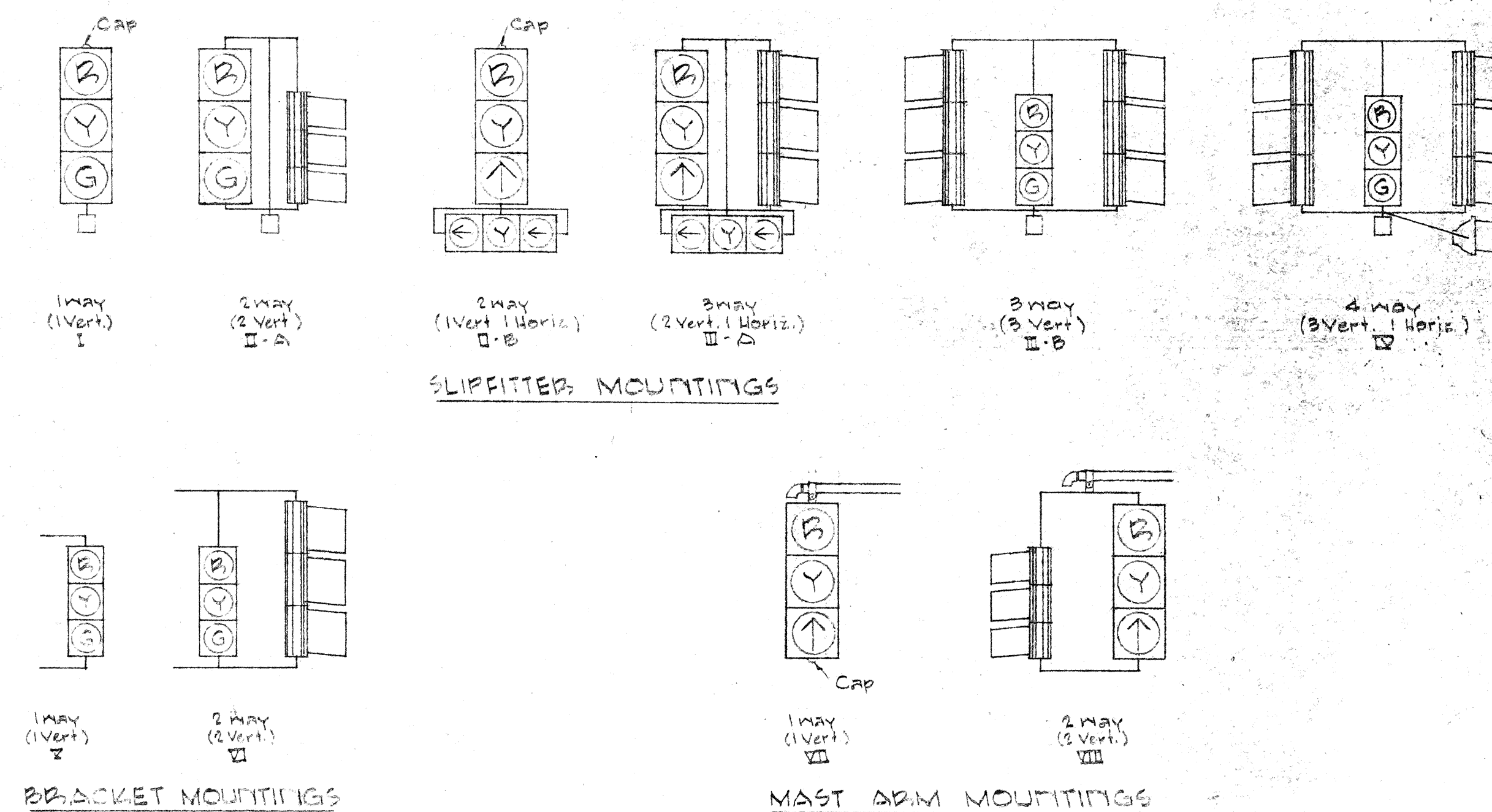
PEDESTRIAN PUSH BUTTON POST



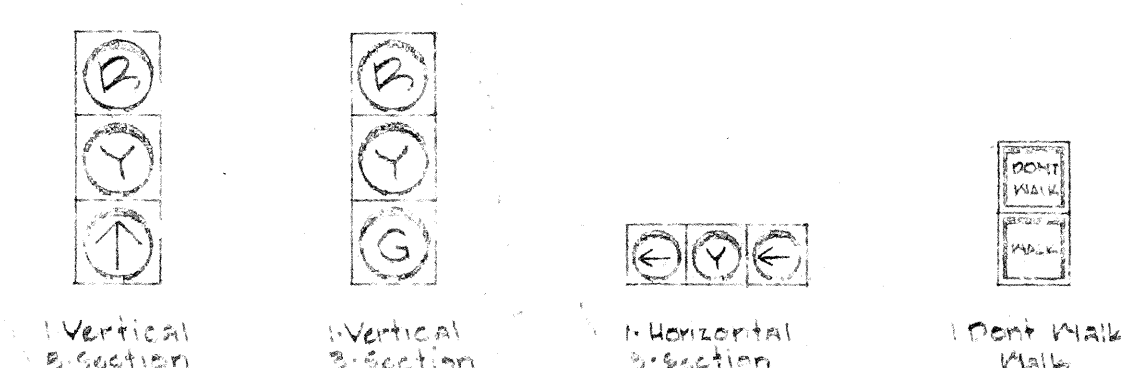
BASE for SIGNAL STANDARD
or CONTROLLER PEDESTAL



MAST ARM FOOTING
AND STANDARD



TYPICAL VEHICULAR AND PEDESTRIAN SIGNAL MOUNTINGS



TYPICAL SIGNAL ARRANGEMENTS

PUULOA ROAD WIDENING Proj. No. 66A-01-67
MIDDLE STREET WIDENING Proj. No. 65A-01-67

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

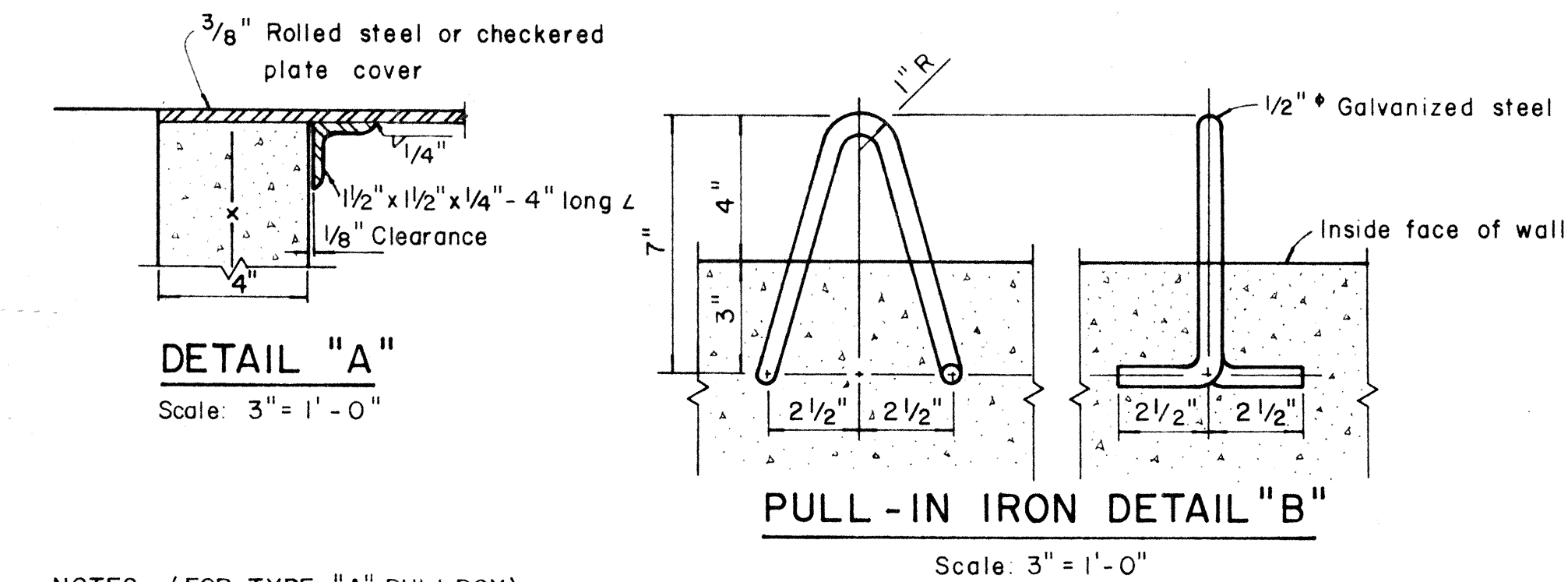
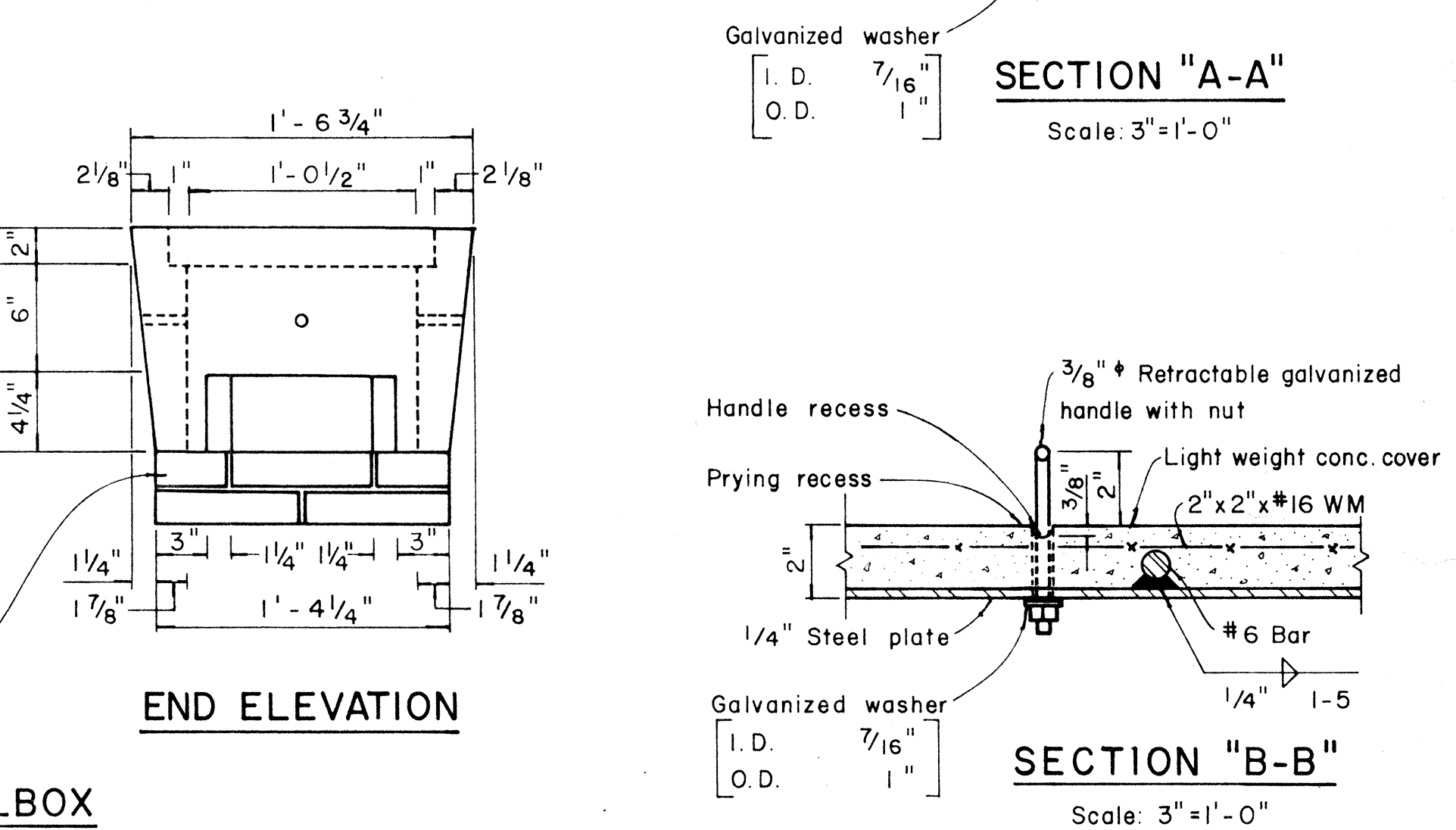
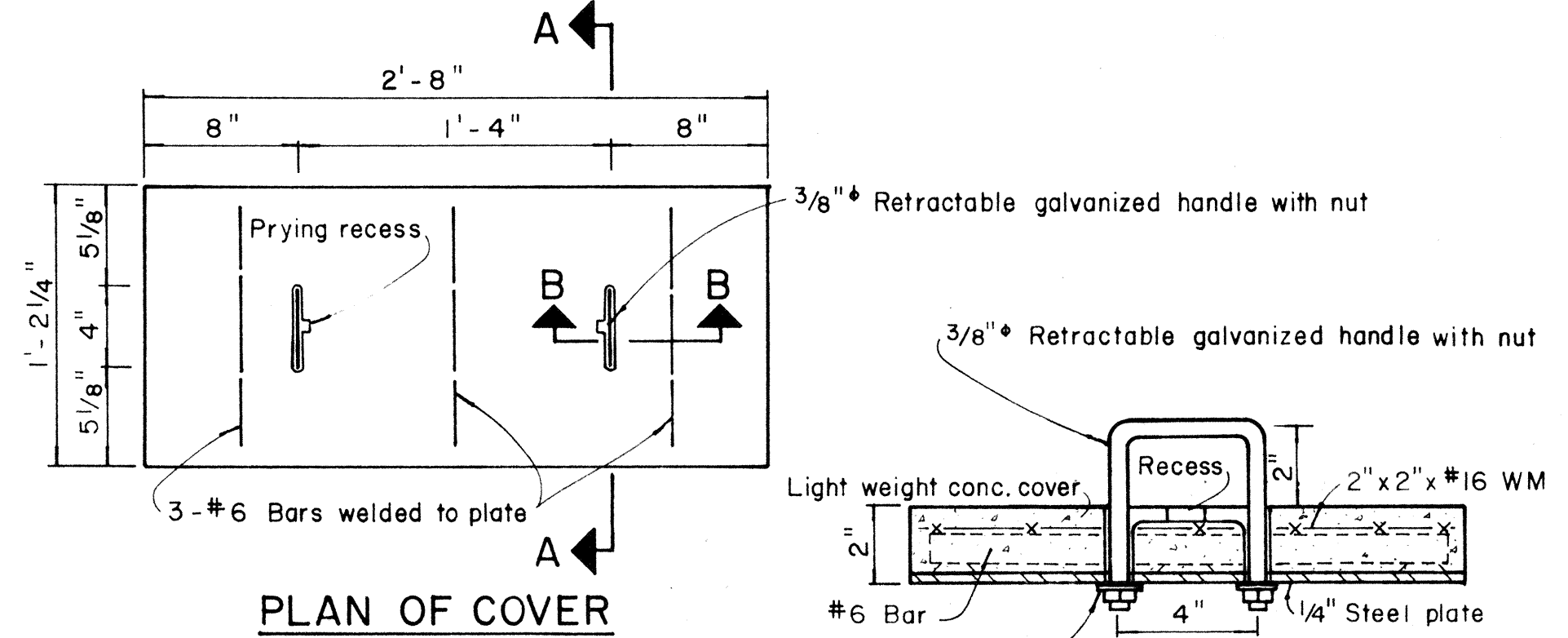
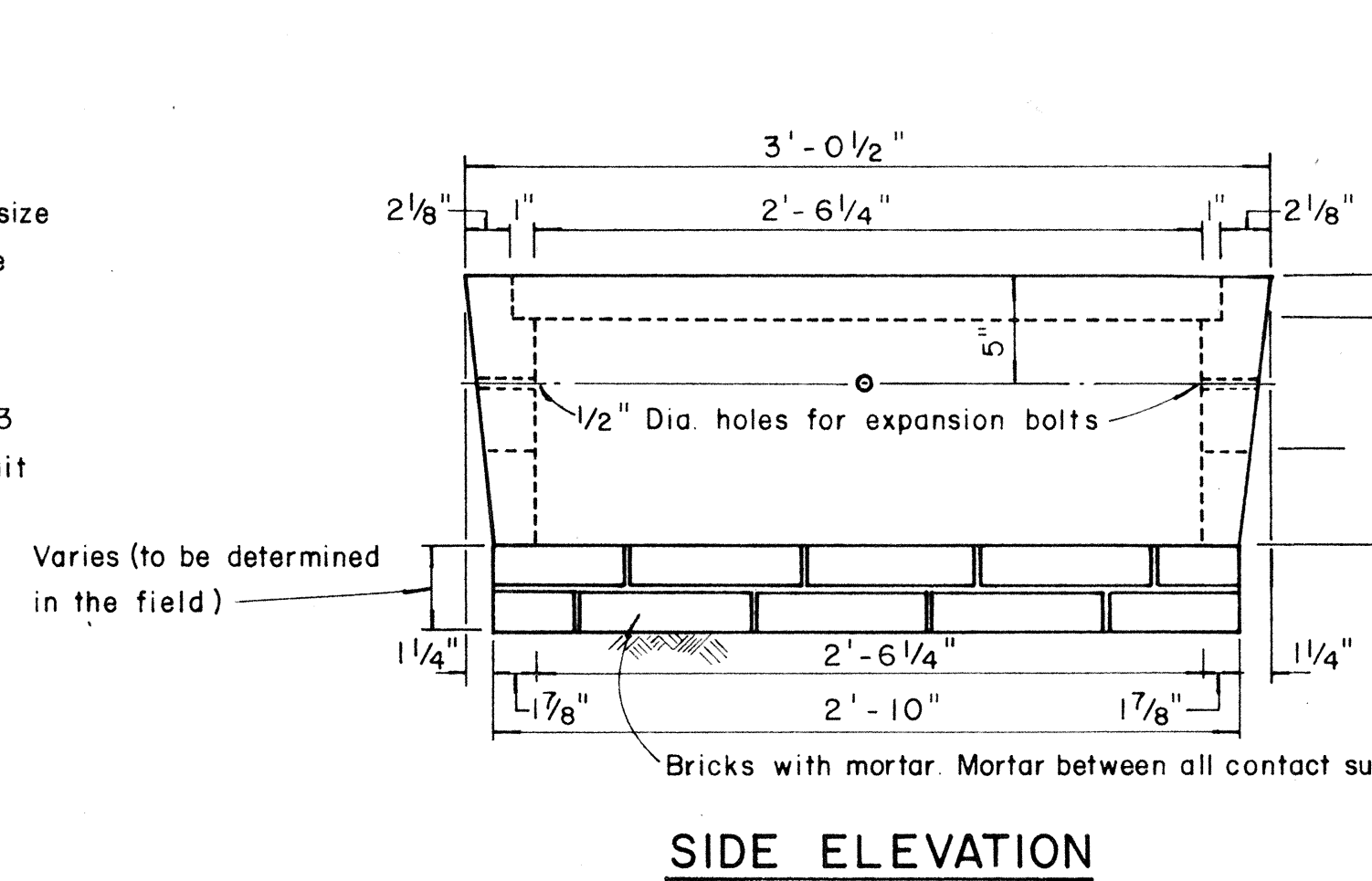
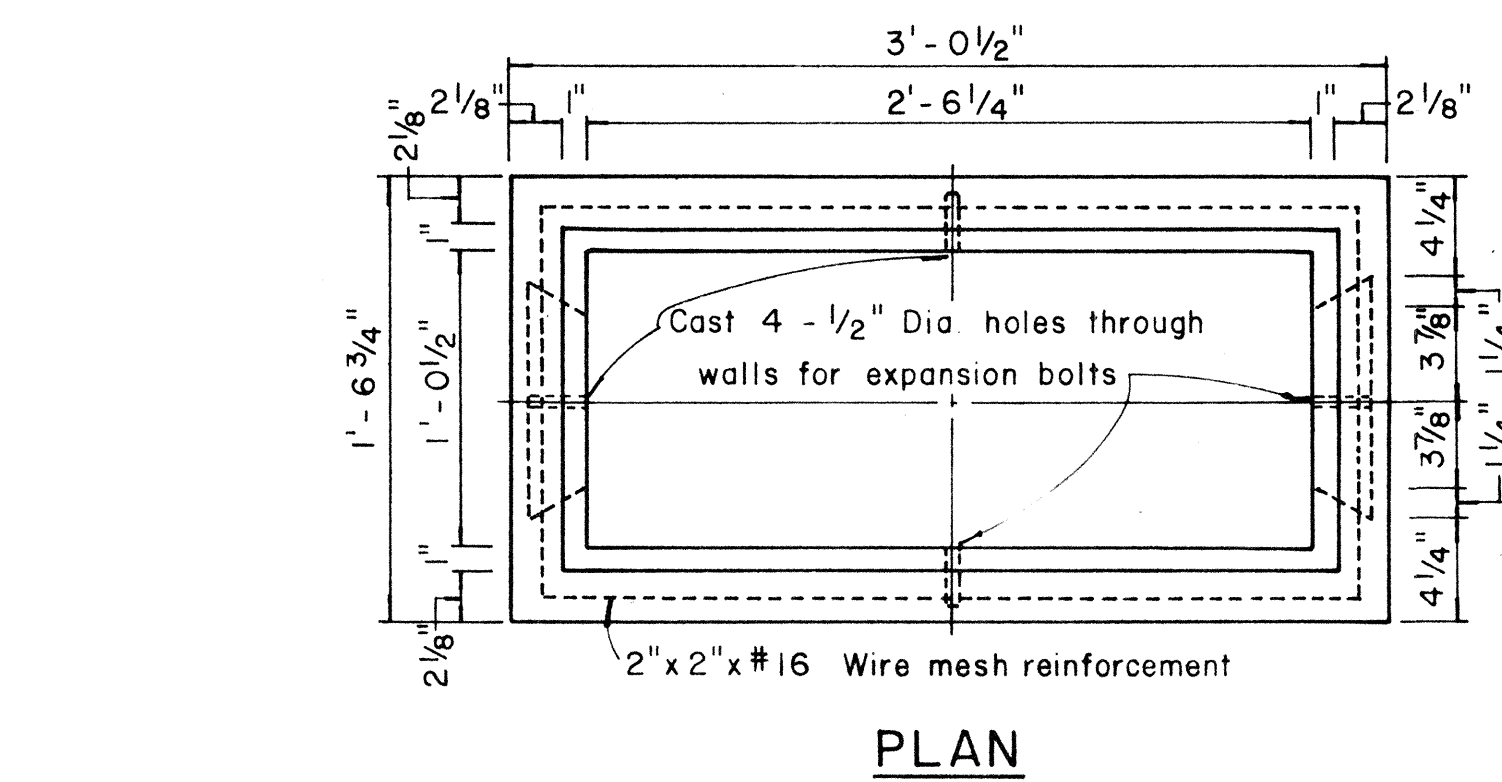
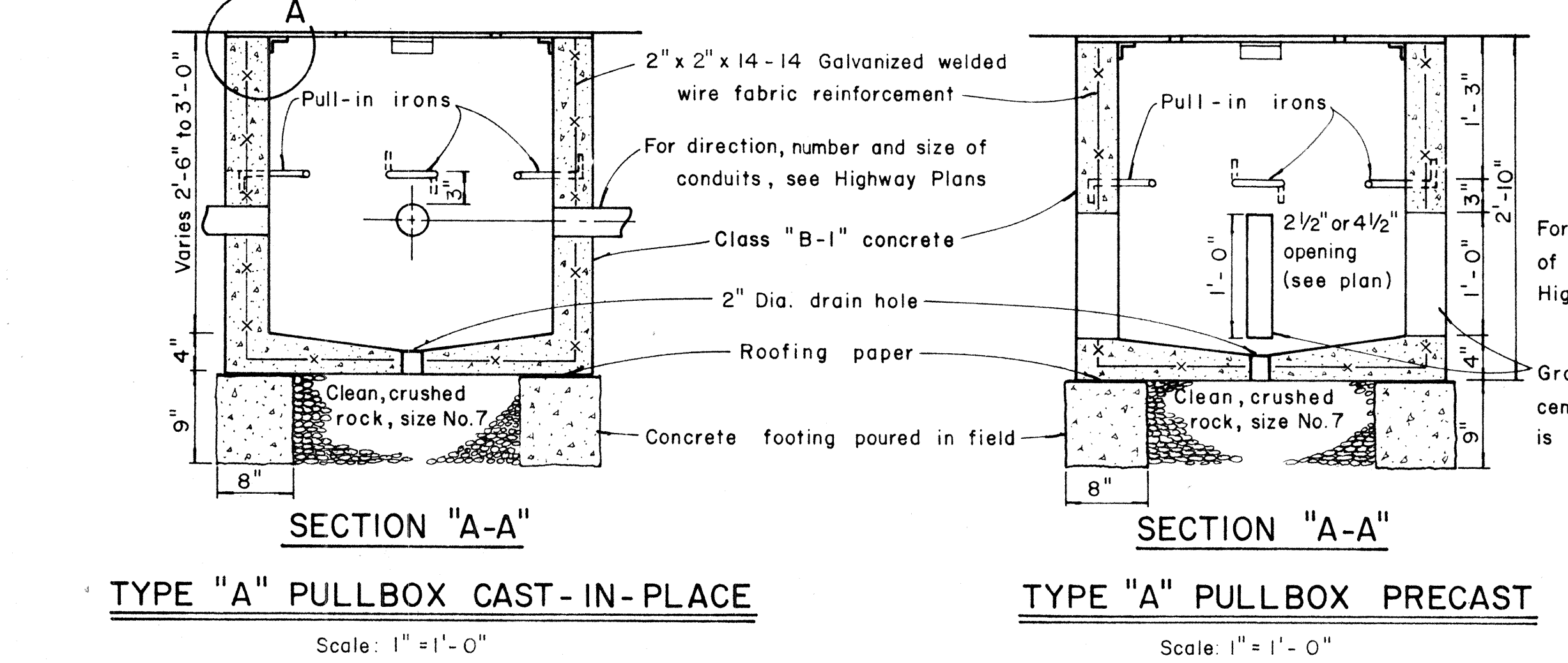
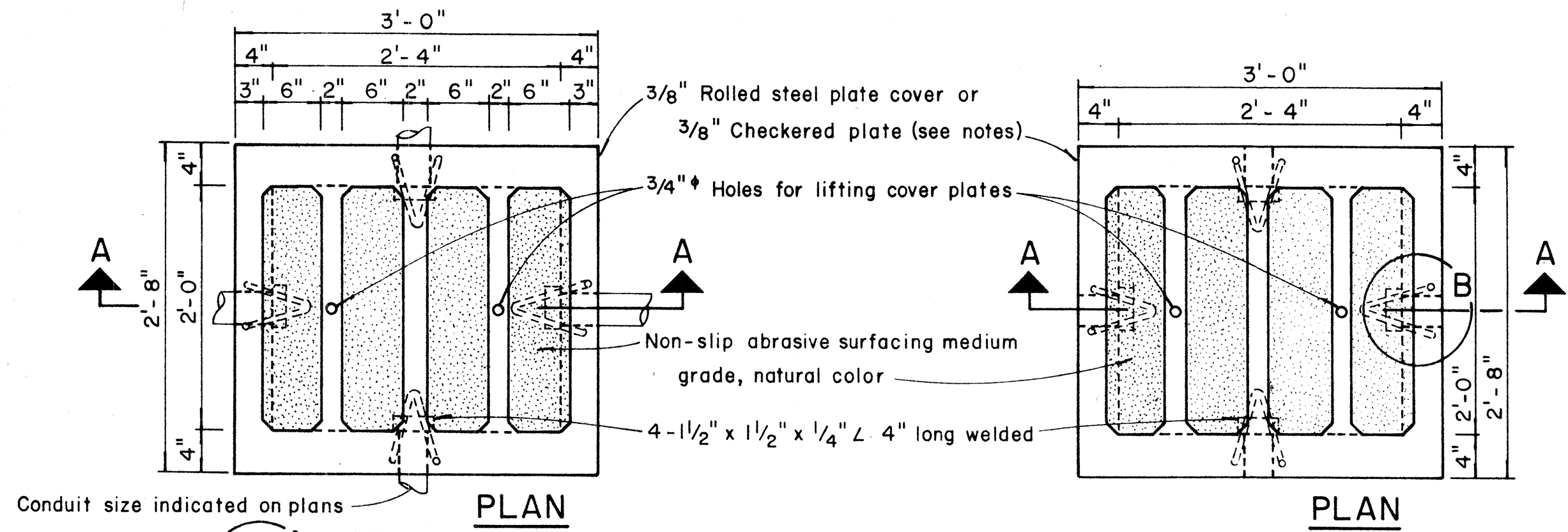
TRAFFIC SIGNAL SYSTEM

MISCELLANEOUS DETAILS

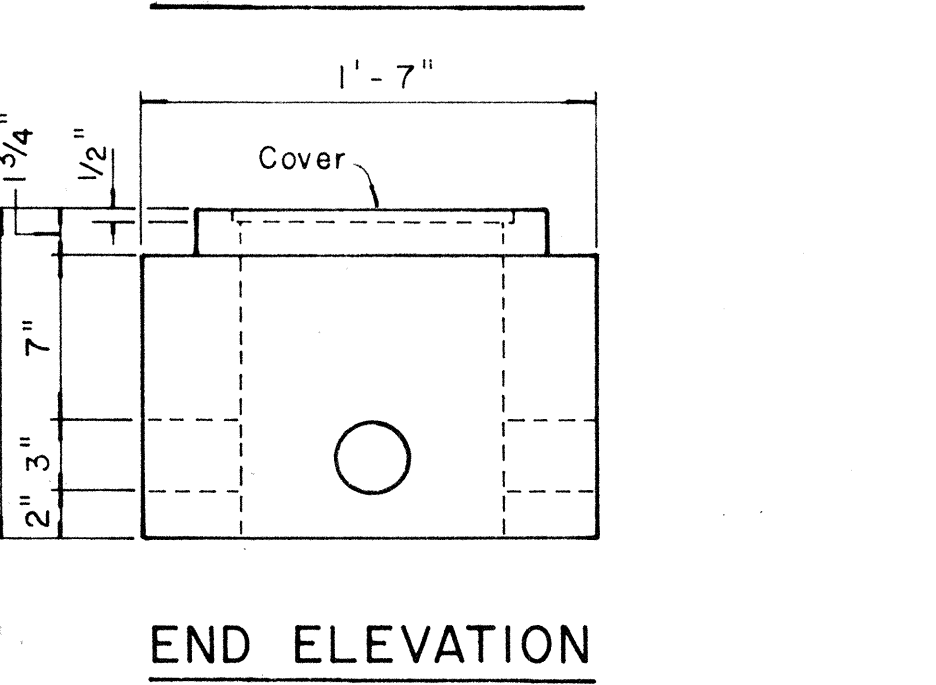
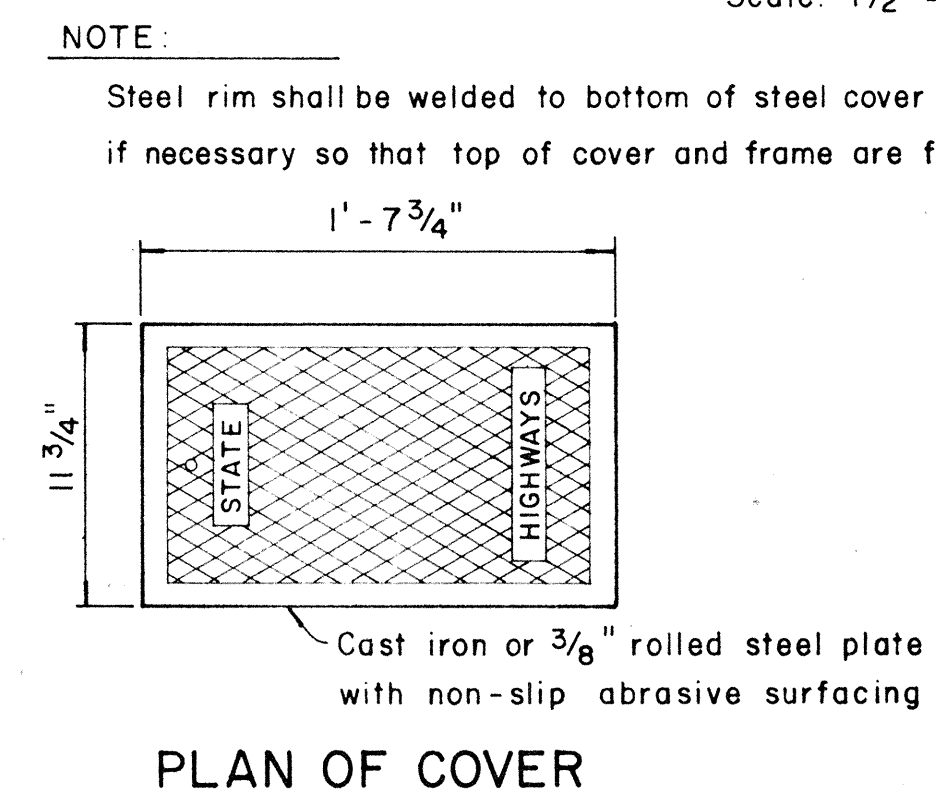
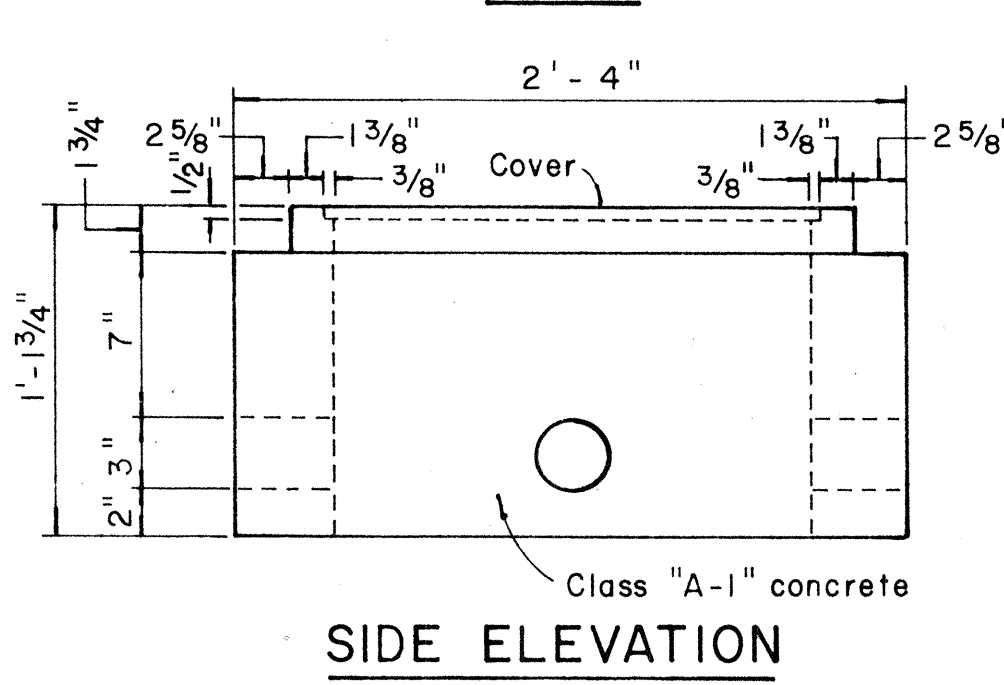
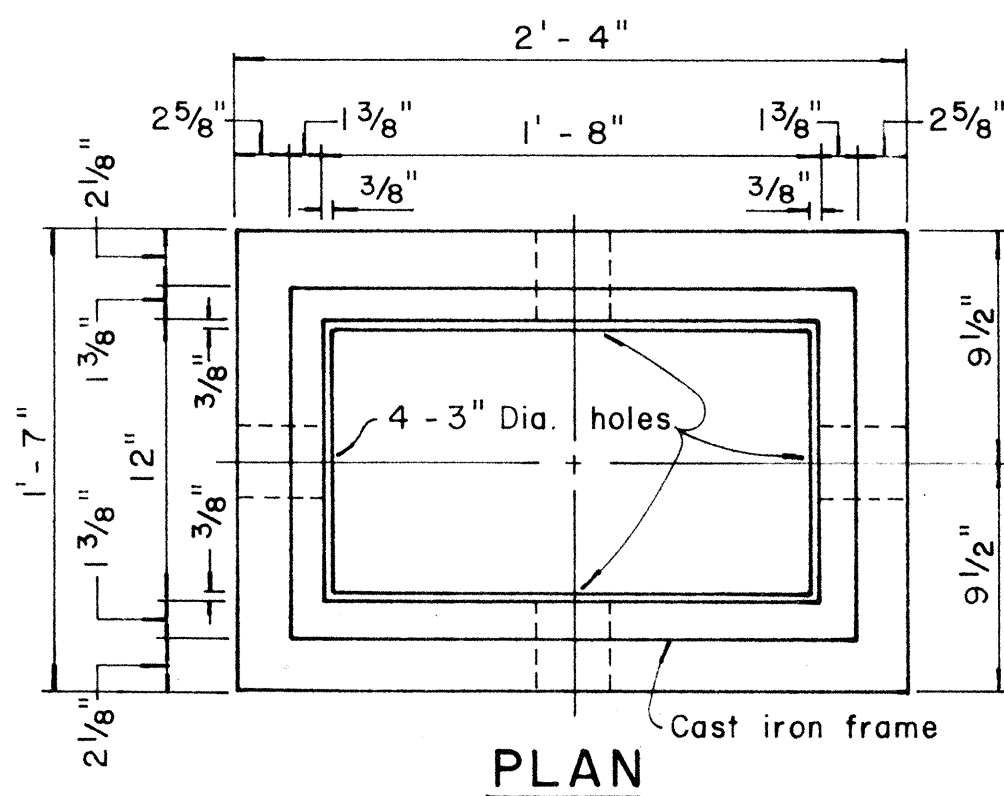
No Scale

SHEET No. 4 OF 5 SHEETS

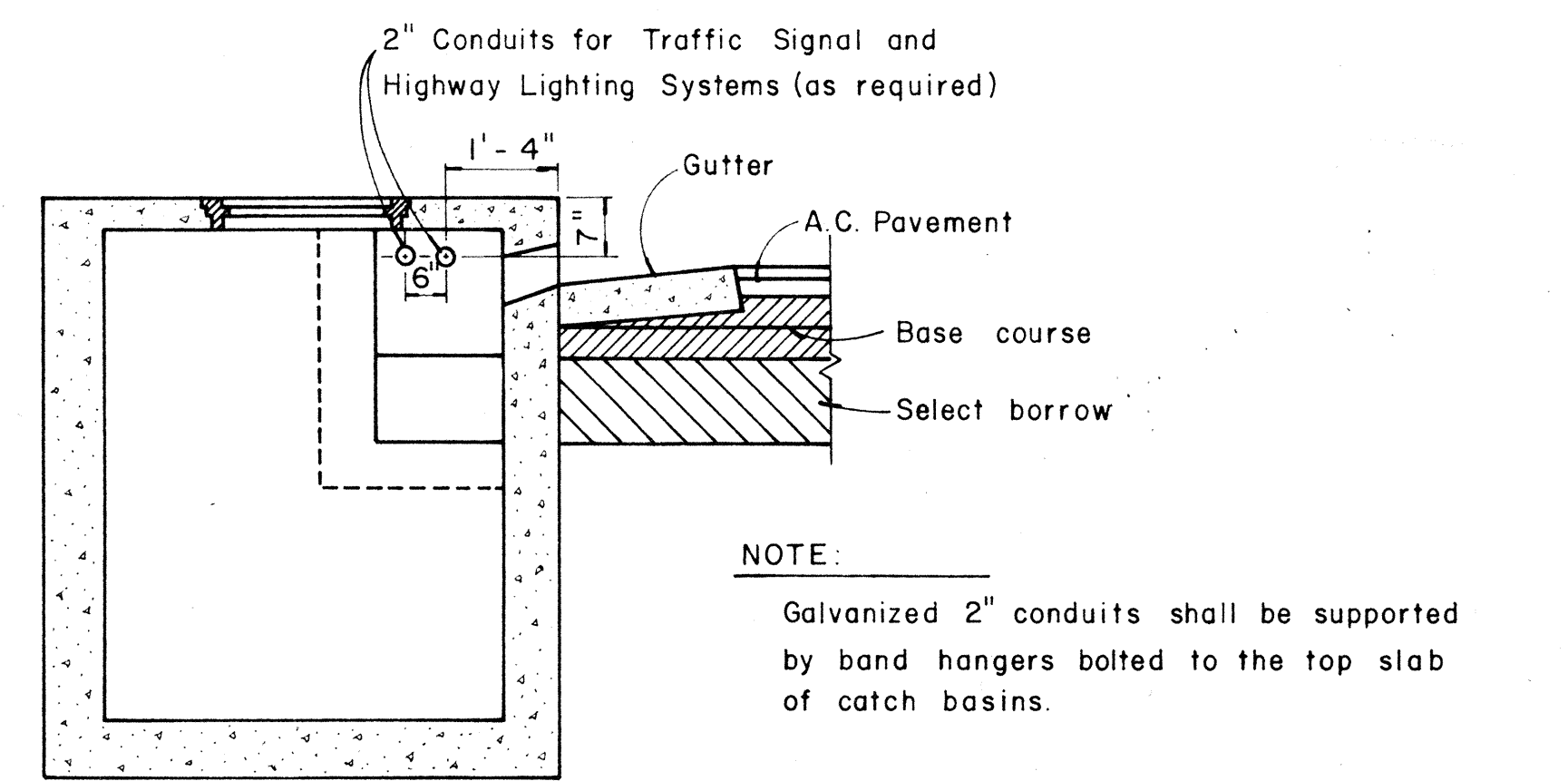
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				



- NOTES: (FOR TYPE "A" PULLBOX)
- 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.
 - 3/8" Checkered plate cover shall be used on all pullboxes located in median areas and other locations where there are no pedestrians walking.
 - Pull irons shall be placed opposite each conduit slot.
 - Covers on all pullboxes located in sidewalk areas shall be set flush with the concrete sidewalk.
 - Each pullbox shall have a pair of pull irons opposite each other for lifting purposes.



TYPE "B" PULLBOX
Scale: 1 1/2" = 1'-0"



TYPICAL SECTION SHOWING CONDUITS
PASSING THROUGH CATCH BASINS
Scale: 1/2" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS
PULLBOXES

Scale as noted Date:

SHEET No. 5 OF 5 SHEETS

PUULOLOA ROAD WIDENING Proj. No. 66A-01-07
MIDDLE STREET WIDENING Proj. No. 65A-01-07