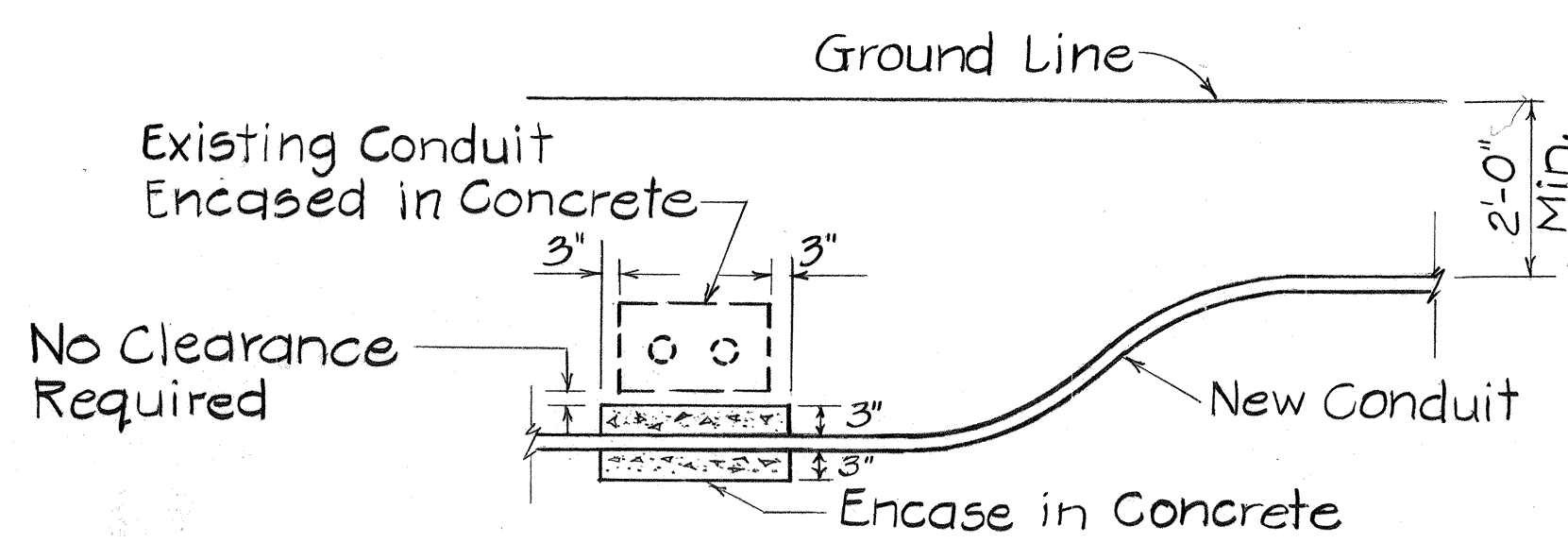


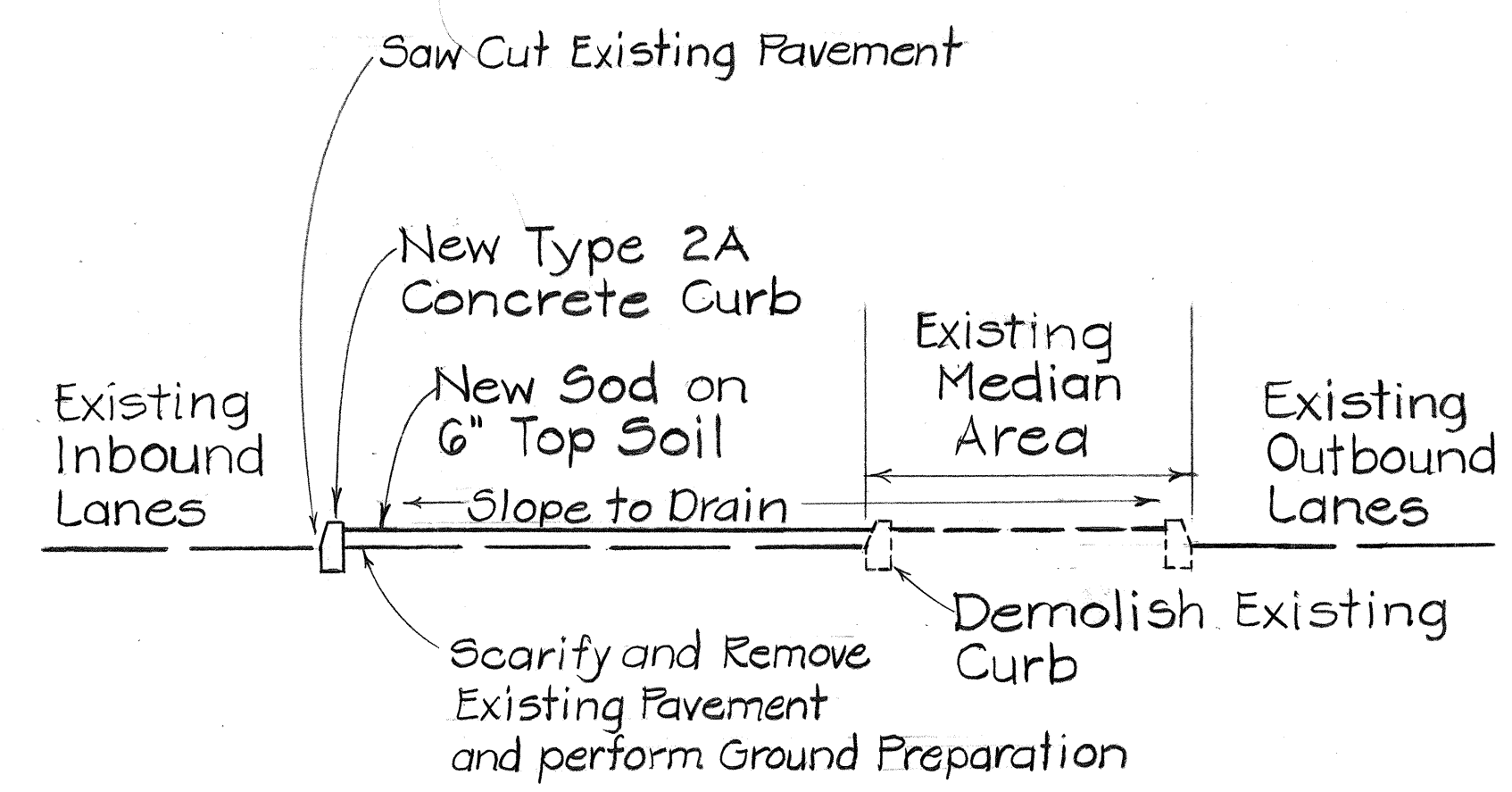
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99D-01-79	1980	5	19

NOTE:
EXCEPT AS NOTED, COVER DETAILS SHALL CONFORM TO TYPE "B" PULLBOX COVER.
SEE PLAN SHT. NO. 17.

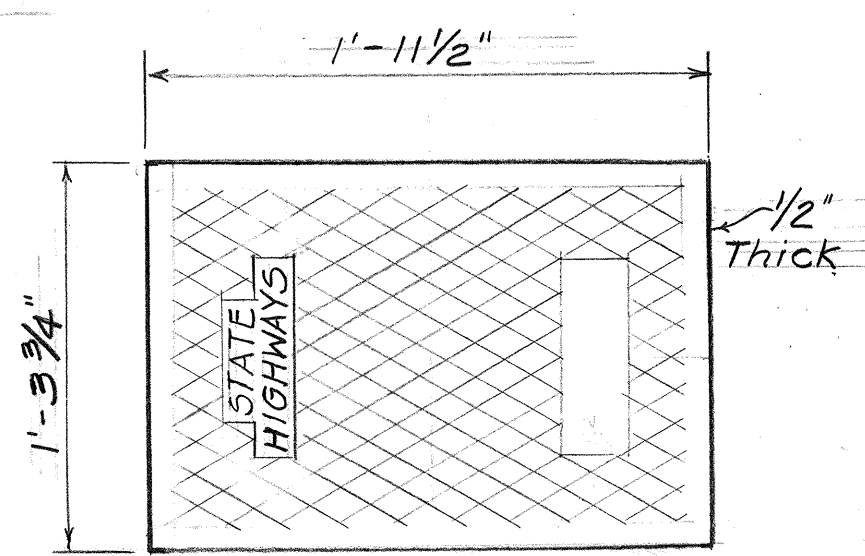
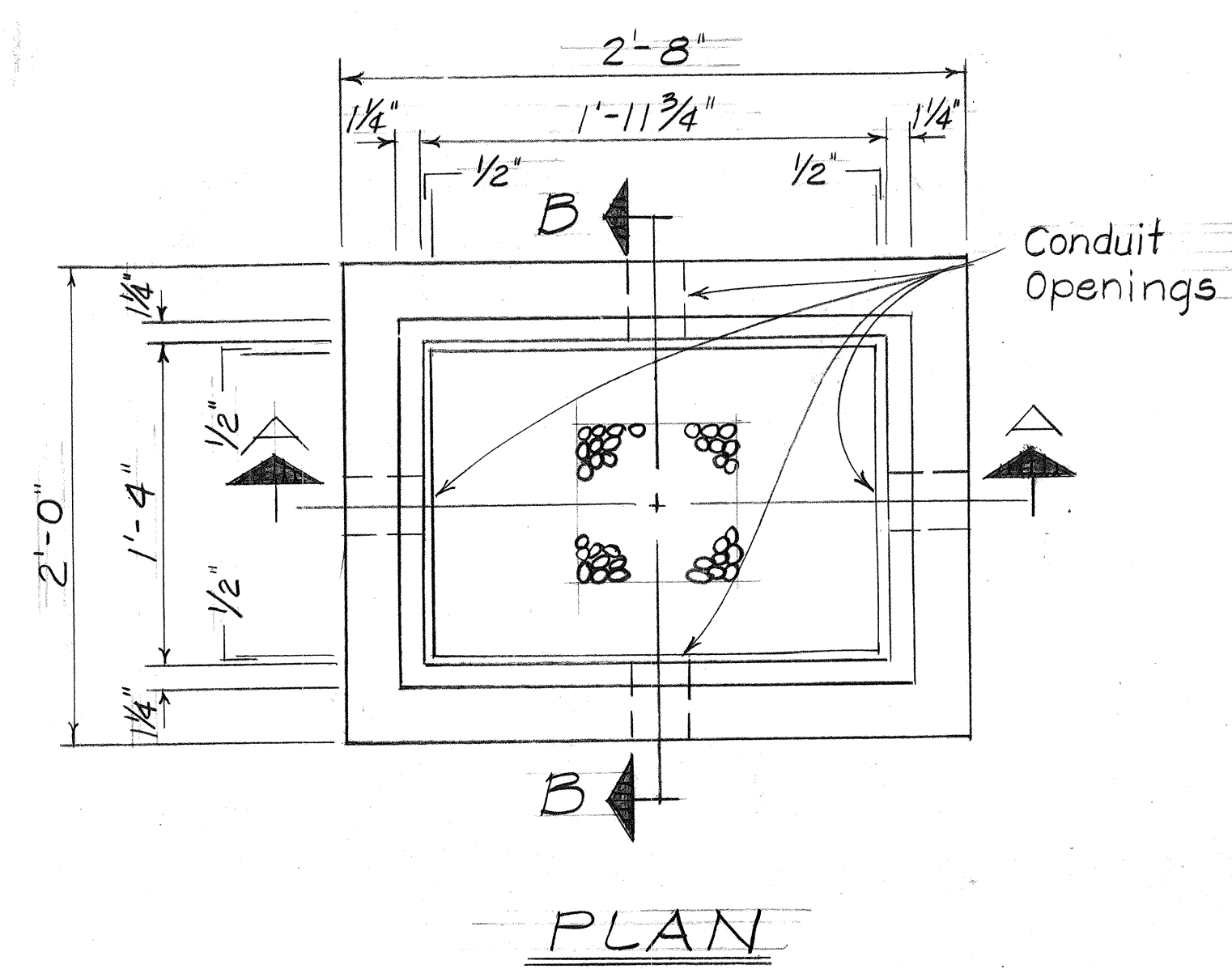


CONDUIT BY-PASS DETAIL
NOT TO SCALE

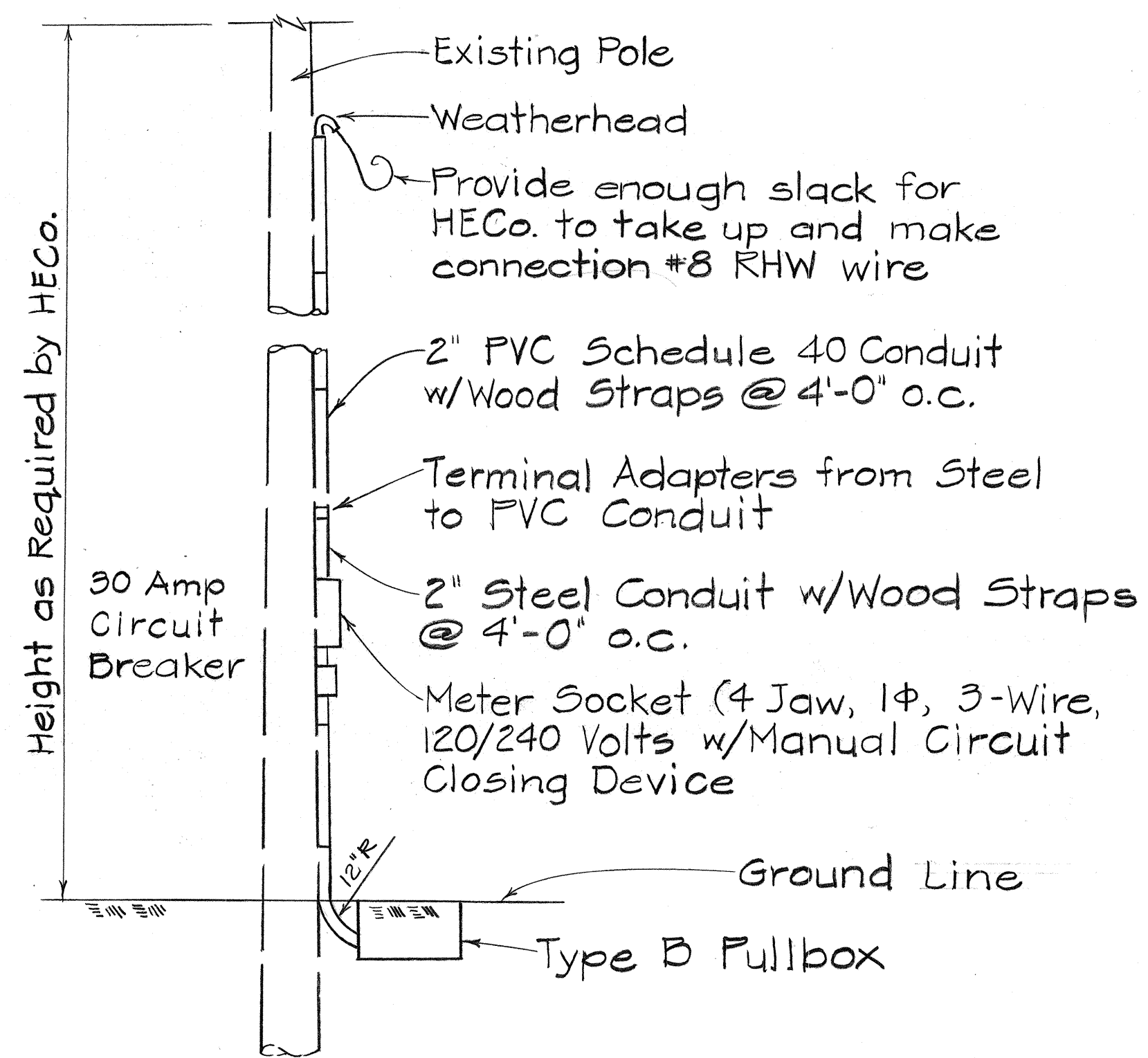
NOTE:
See Note No. 8 of General Notes on Sheet No. 2.



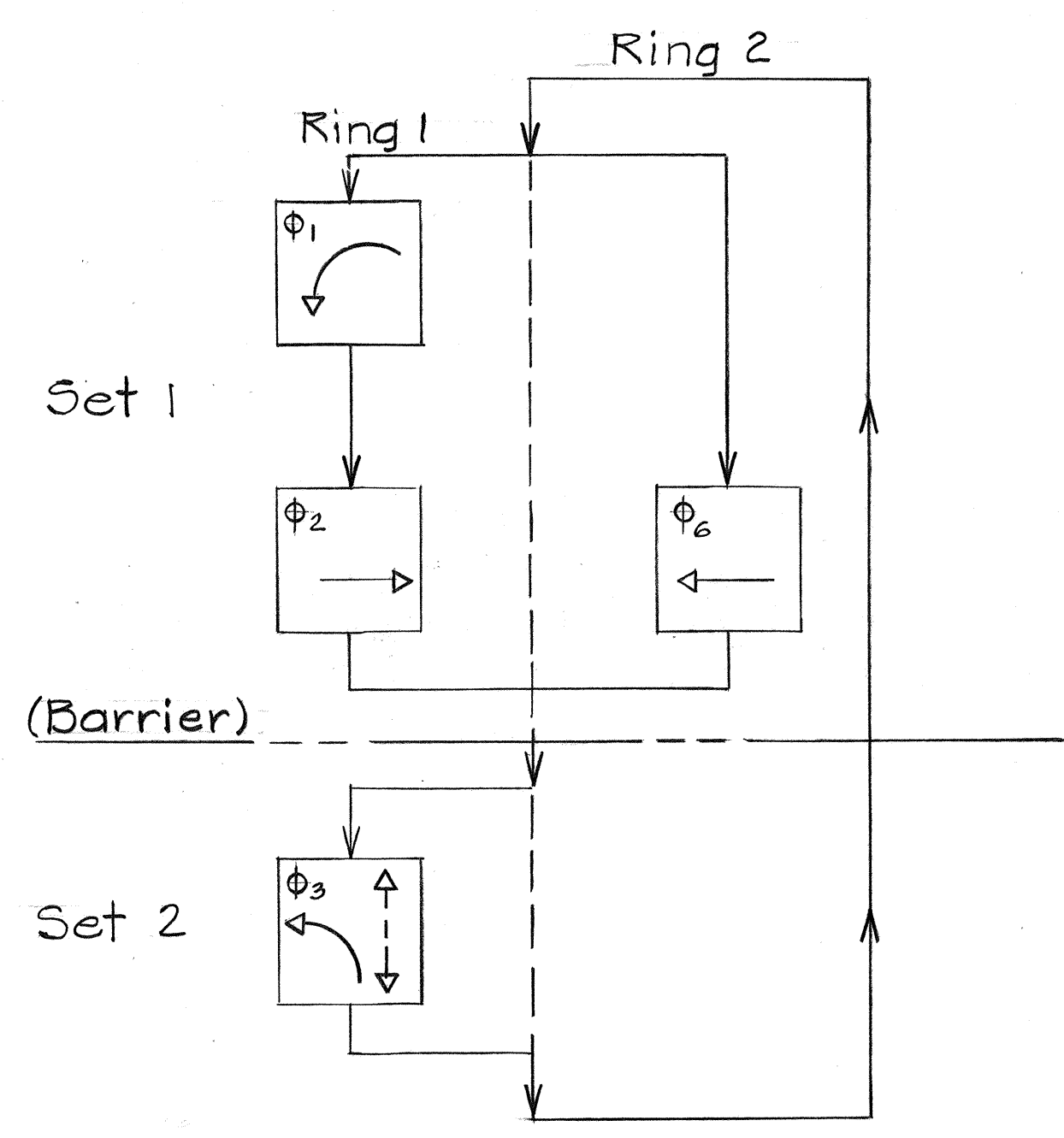
SECTION "A-A"
 $\frac{1}{4}'' = 1'-0''$



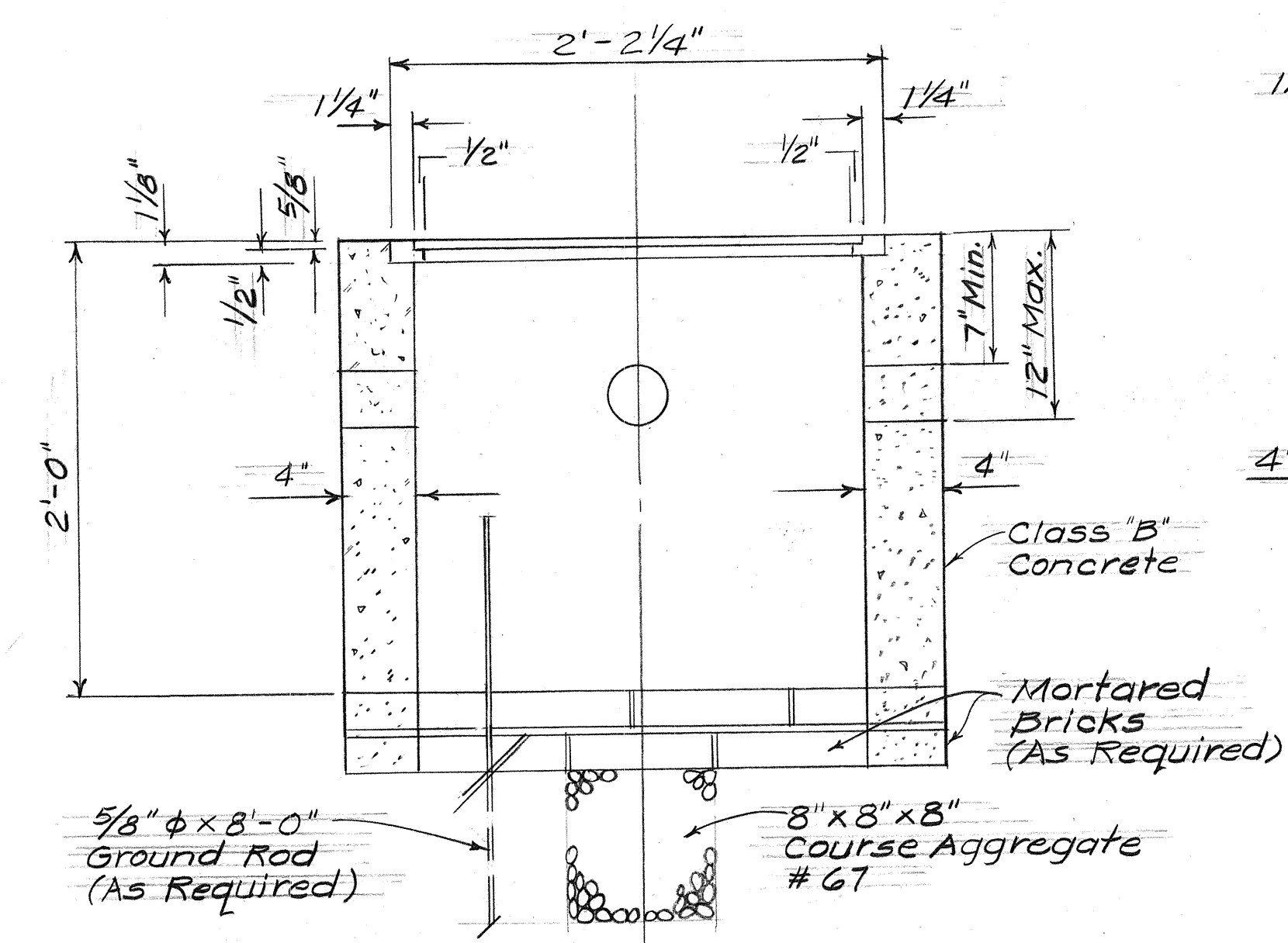
PLAN OF COVER



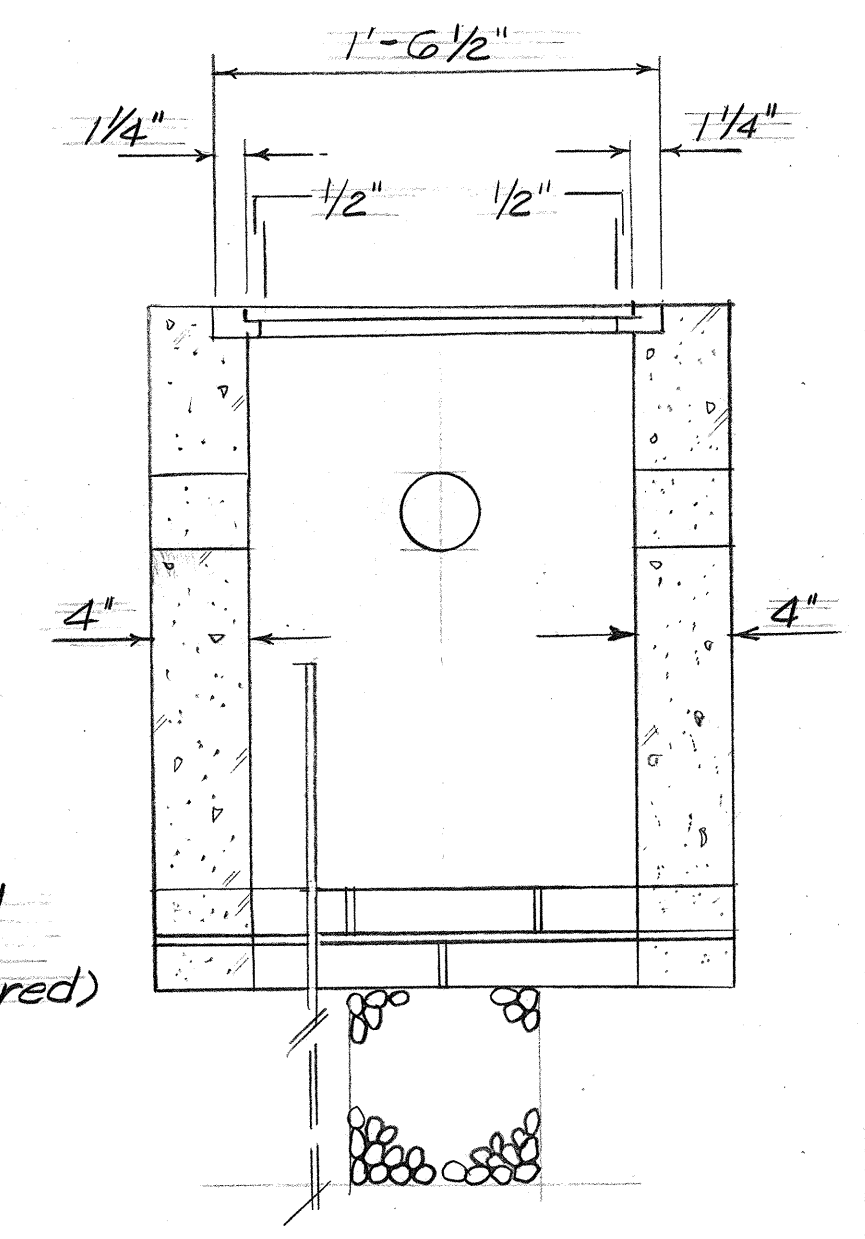
SERVICE POLE DETAIL
NOT TO SCALE



PHASING DIAGRAM



SECTION "A-A"



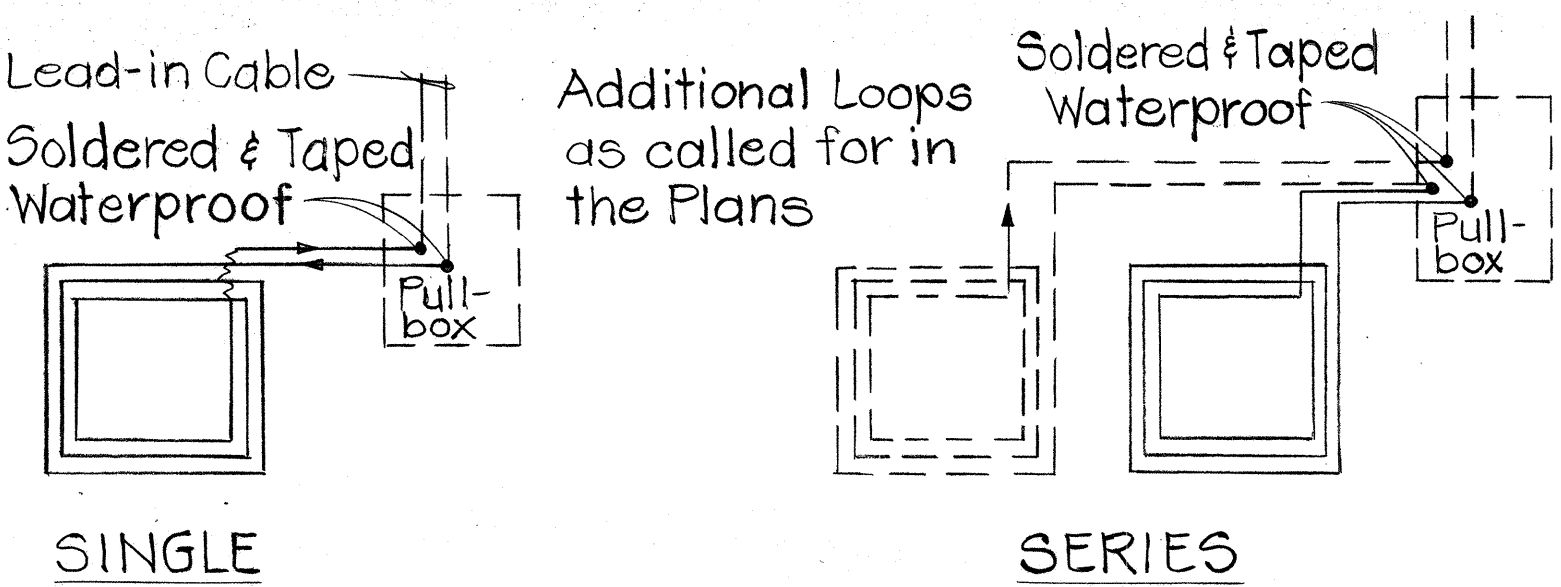
SECTION "B-B"

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

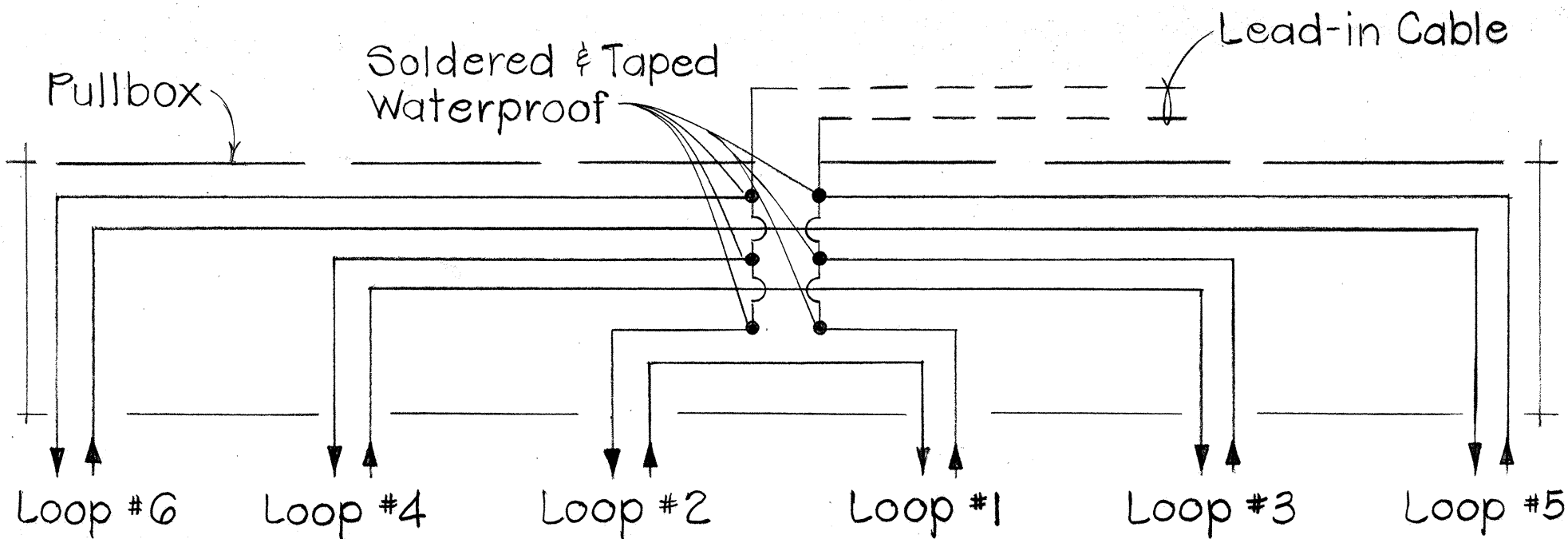
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MISCELLANEOUS DETAILS
KAMEHAMEHA HWY.
AT ACACIA RD.
PROJ. NO. 99D-01-79
SCALE: AS SHOWN DEC. 1978
SHEET No. 5 OF 19 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

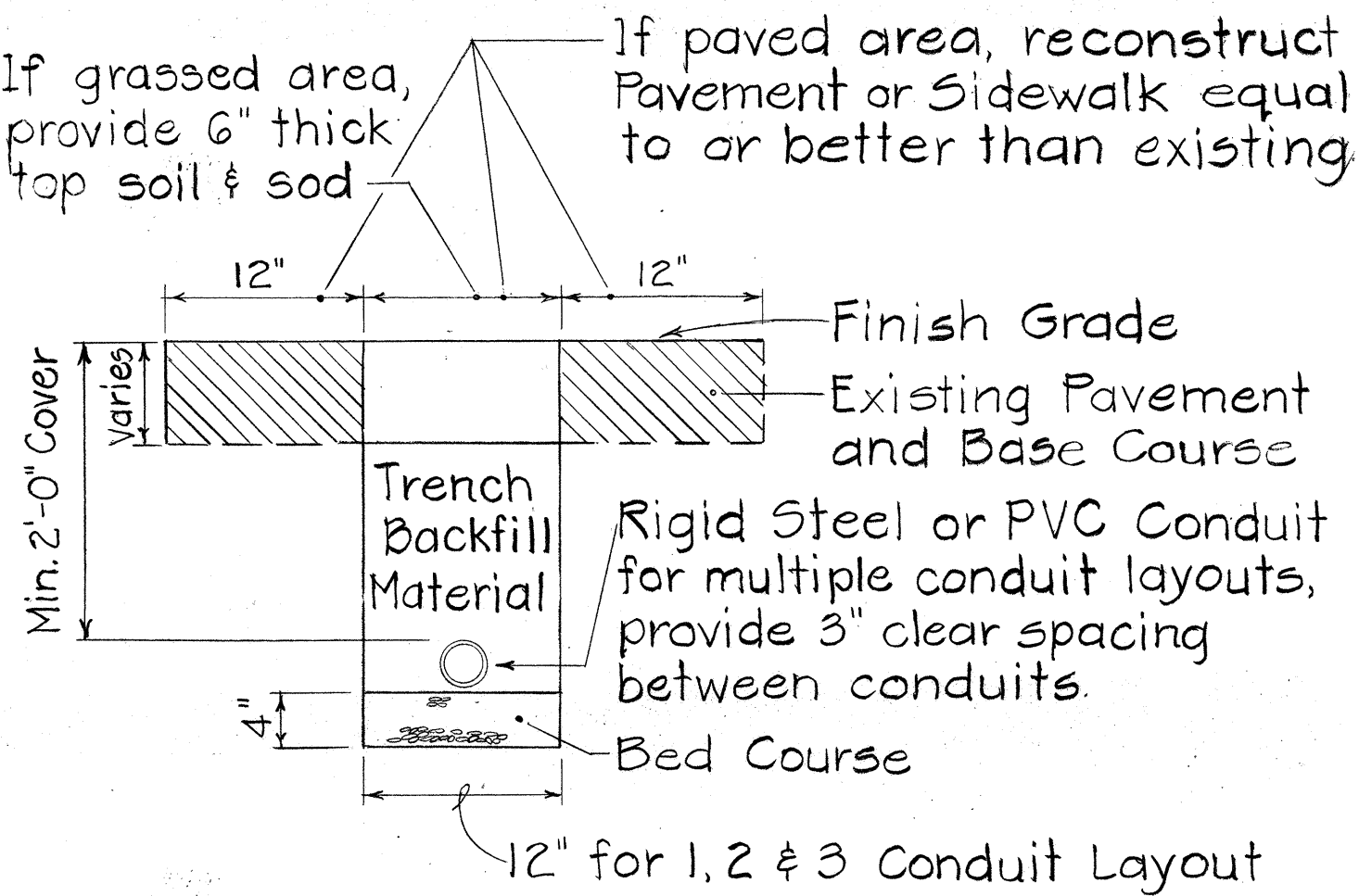
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99D-01-79	1980	6	19



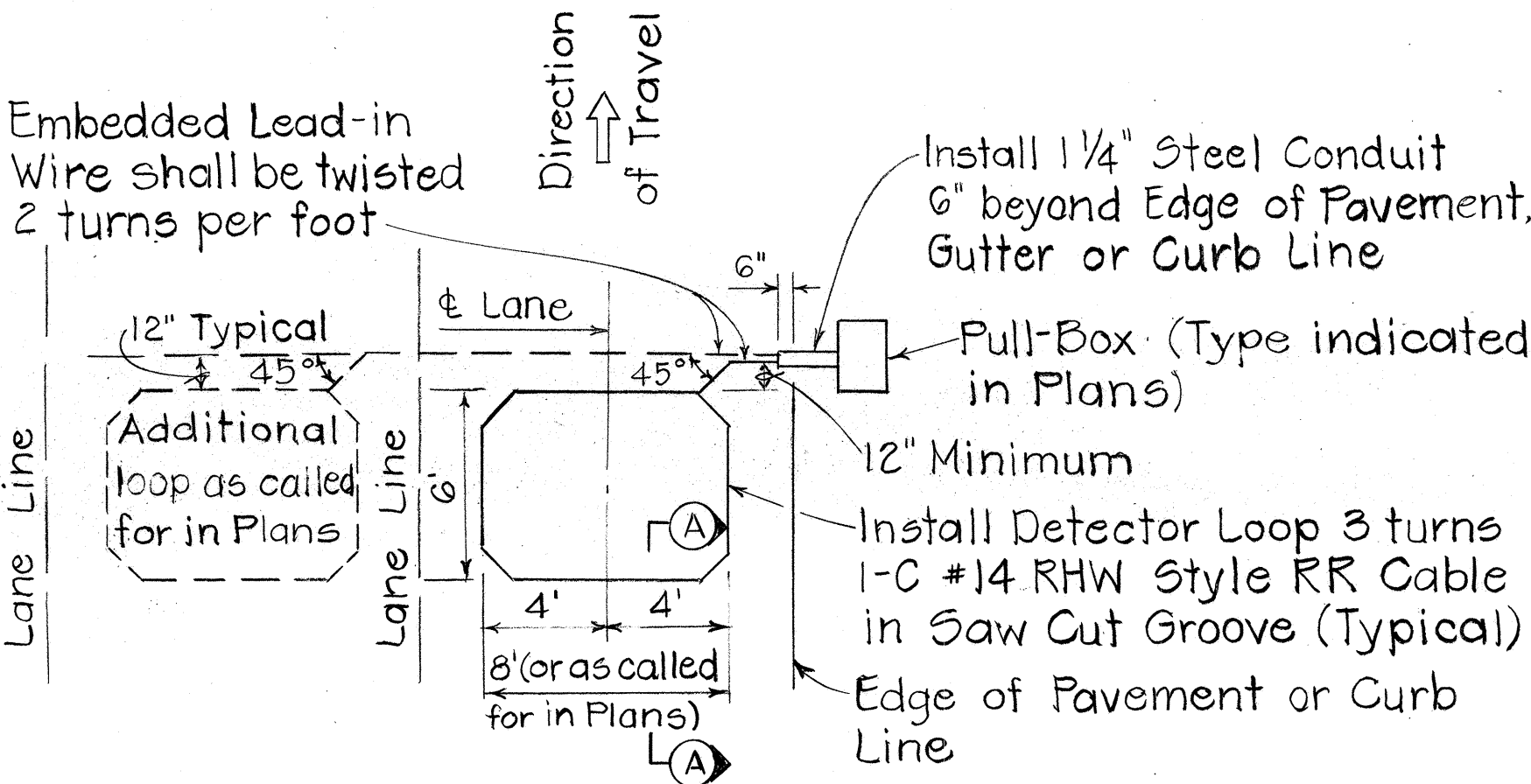
TYPICAL LOOP CONFIGURATIONS



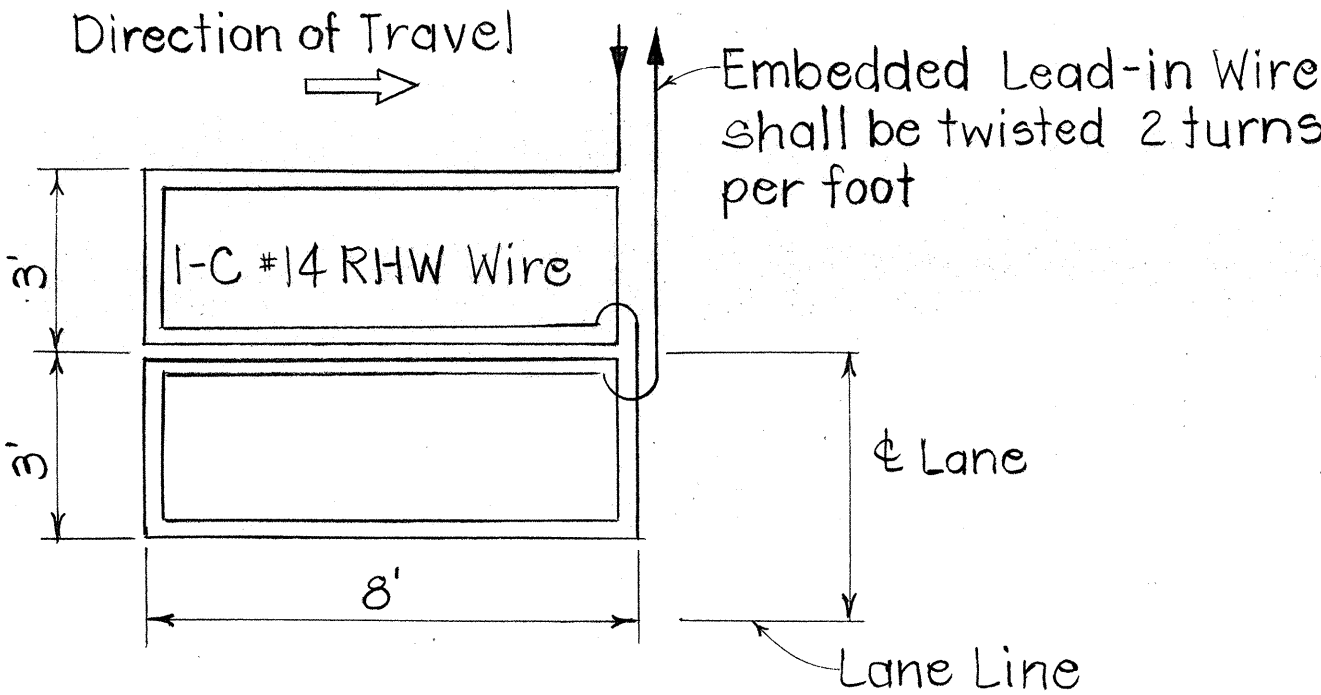
TYPICAL SERIES - PARALLEL LOOP CONNECTION



TYPICAL TRENCH SECTION FOR CONDUIT

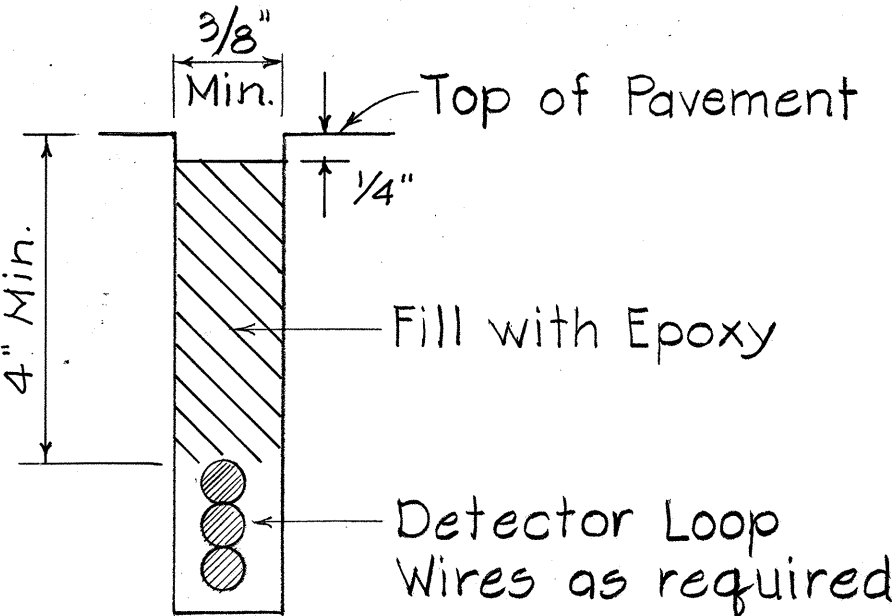


PLAN - THRU LANE LOOP LAYOUT

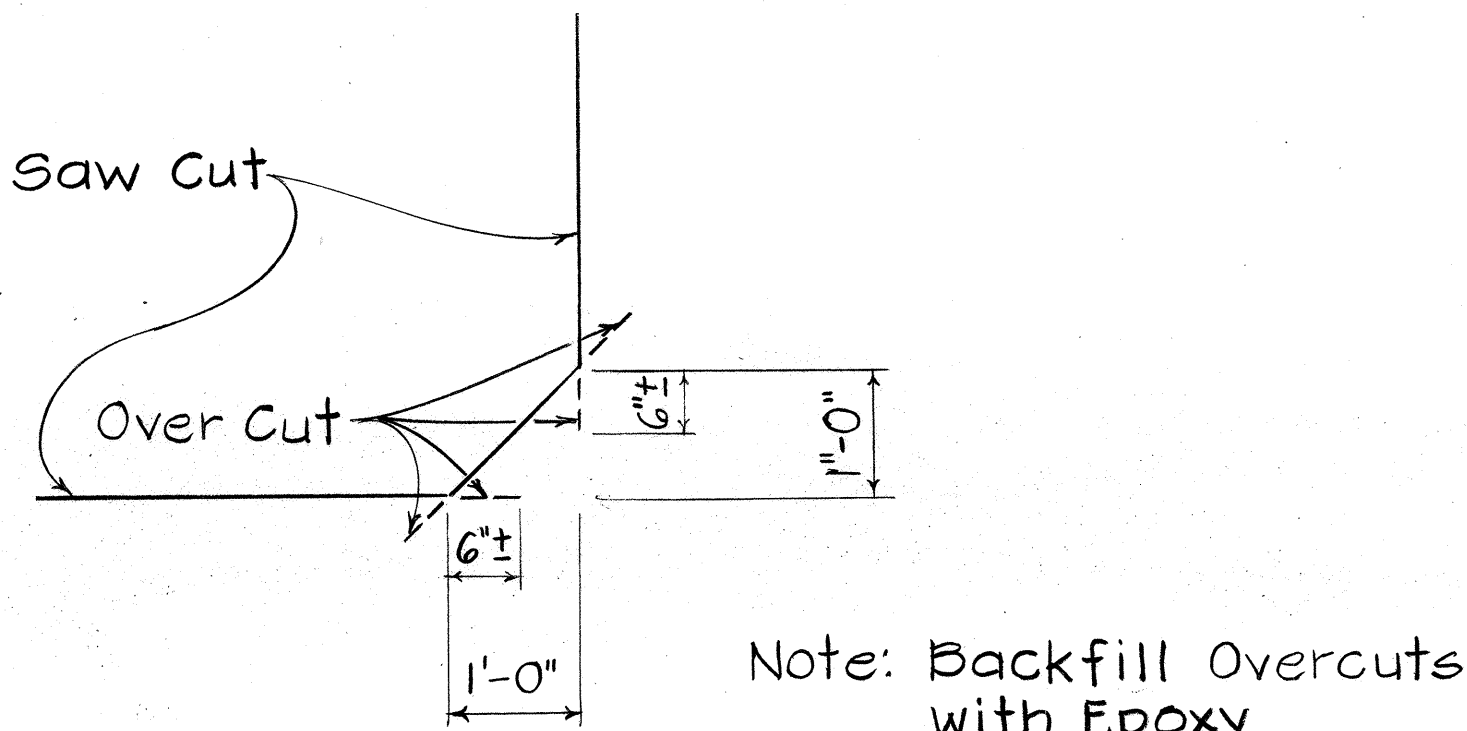


TYPICAL WIRING FOR 8'x6' LOOP DETECTOR

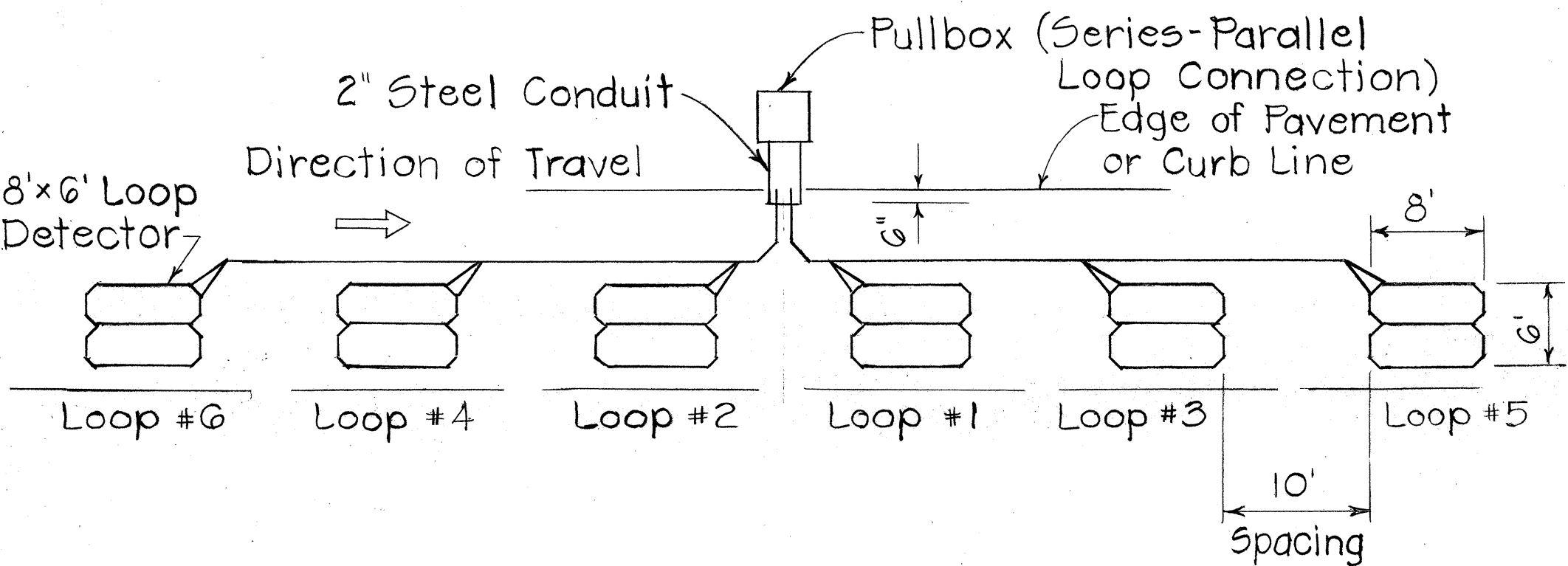
NOTE:
1. All conduits under roadways shall be steel or PVC schedule 80. All other conduits shall be steel or PVC schedule 40.



DETECTOR LOOP SAW-CUT SECTION A-A (TYPICAL)



DETAIL OF SAW CUT AT CORNERS



PLAN-LEFT TURN LANE LOOP LAYOUT

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

TYPICAL DETAILS

VEHICLE LOOP DETECTORS

& MISCELLANEOUS DETAILS

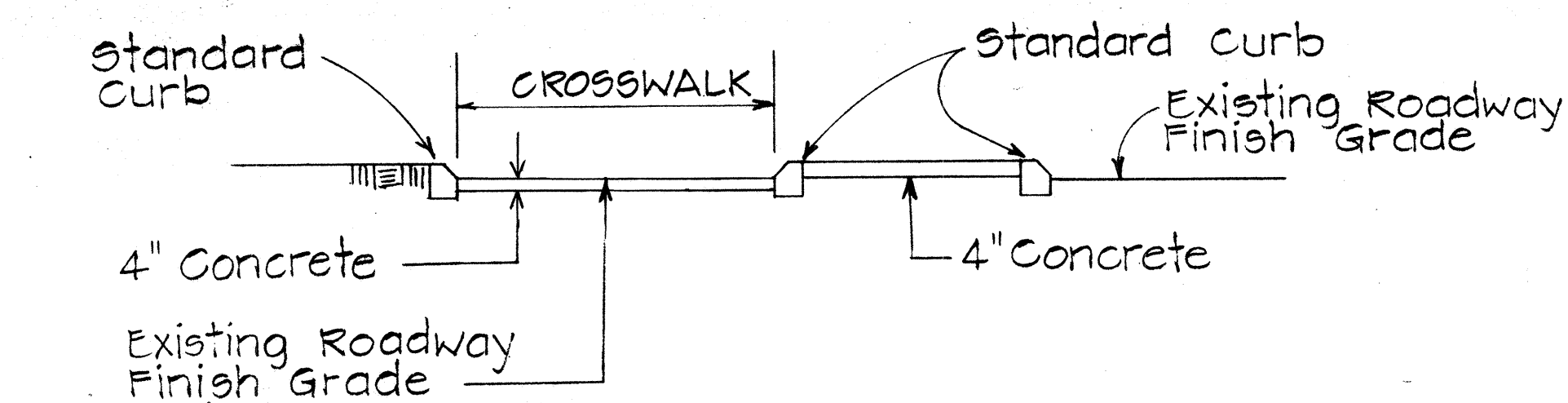
Project No. 99D-01-79

Not to Scale August 1978

SHEET No. 6 OF 19 SHEETS

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

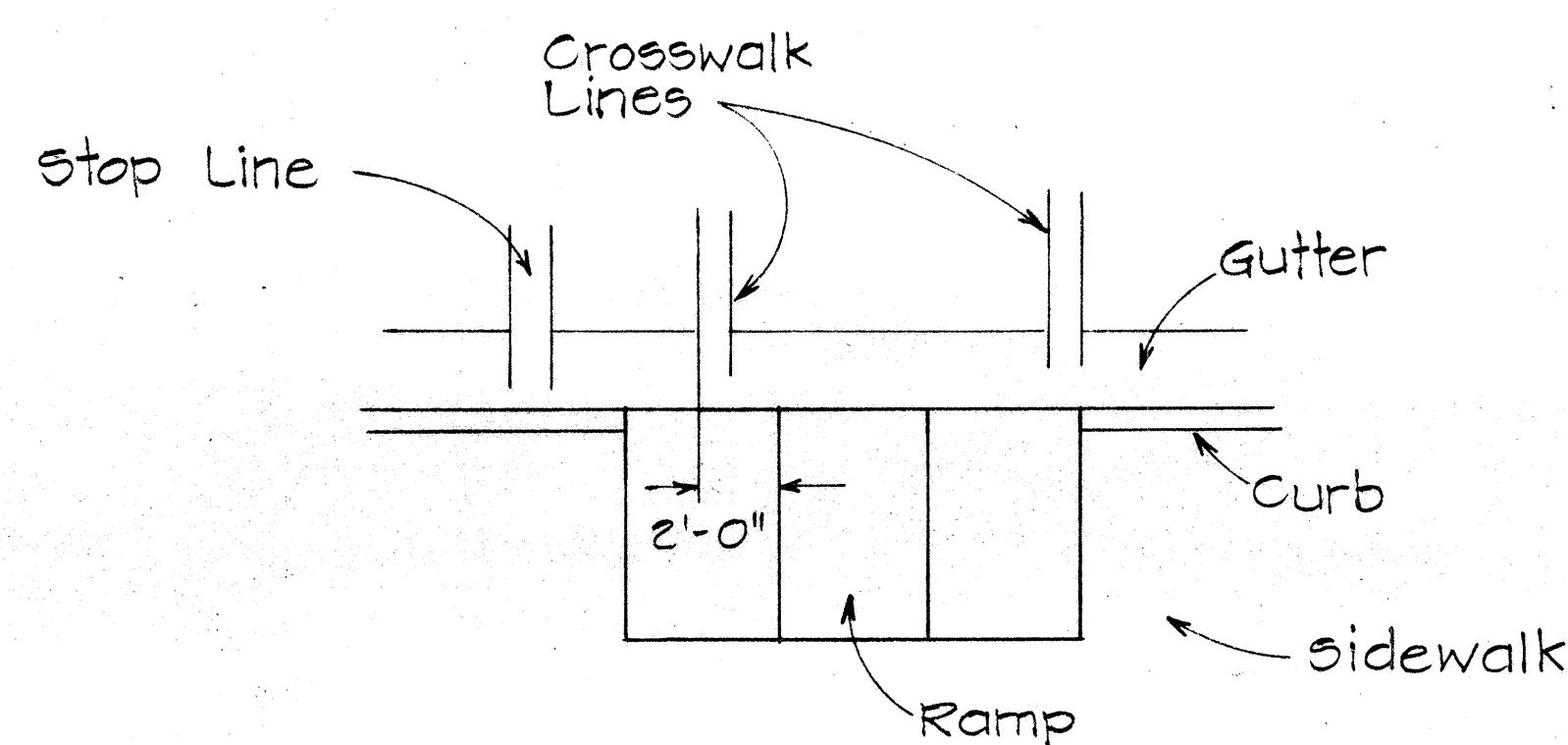
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	00D-01-73	1980	7	19



SECTION "A-A"

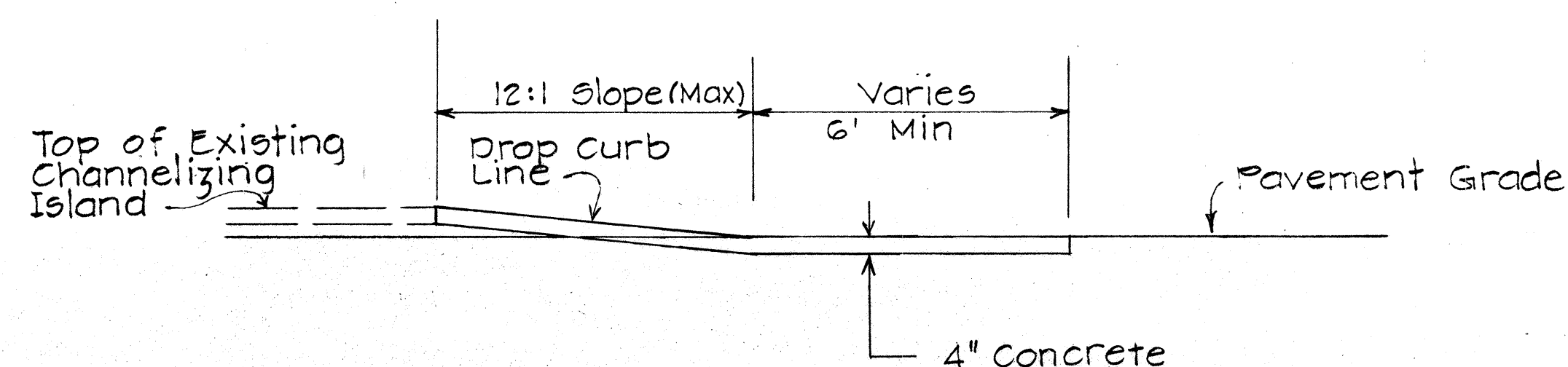
Use at Median Nose Crossings
Scale: 1" = 5'

For Additional Details, See Type "C" Wheel Chair Ramp



TYPICAL INSTALLATION AT CROSSWALKS

Scale: 1" = 5'



SECTION "B-B"

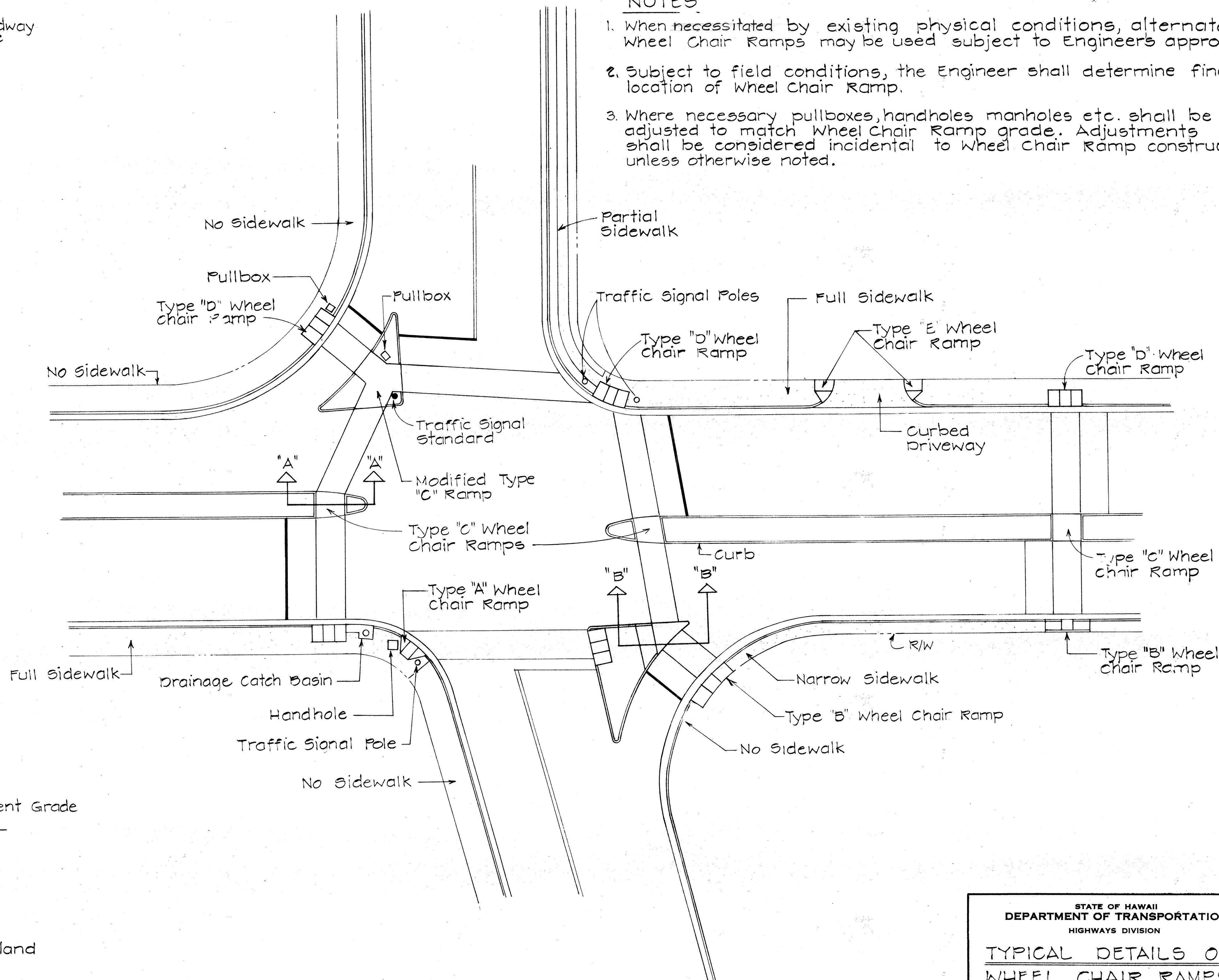
TYPE "B" MODIFIED WHEEL CHAIR RAMP

Use at Intersection of 2 Crosswalks On Channelizing Island
Scale: 3/8" = 1'

For Additional Details See Type "B" Wheelchair Ramp

NOTES

1. When necessitated by existing physical conditions, alternate Wheel Chair Ramps may be used subject to Engineers approval.
2. Subject to field conditions, the Engineer shall determine final location of Wheel Chair Ramp.
3. Where necessary pullboxes, handholes manholes etc. shall be adjusted to match Wheel Chair Ramp grade. Adjustments shall be considered incidental to Wheel Chair Ramp construction, unless otherwise noted.



TYPICAL WHEEL CHAIR RAMPS

Scale: 1" = 20'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

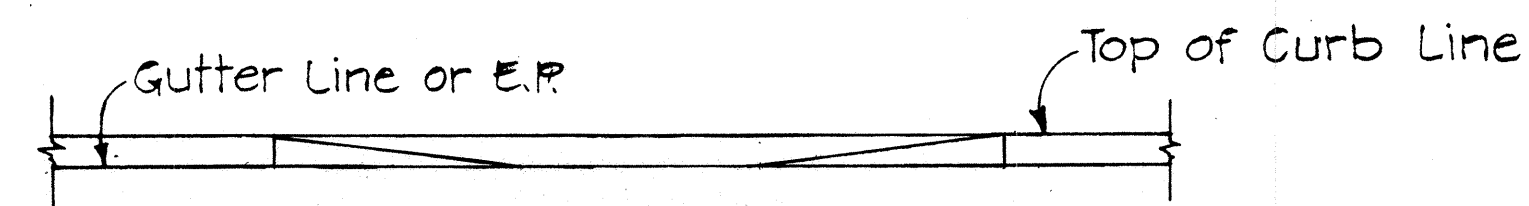
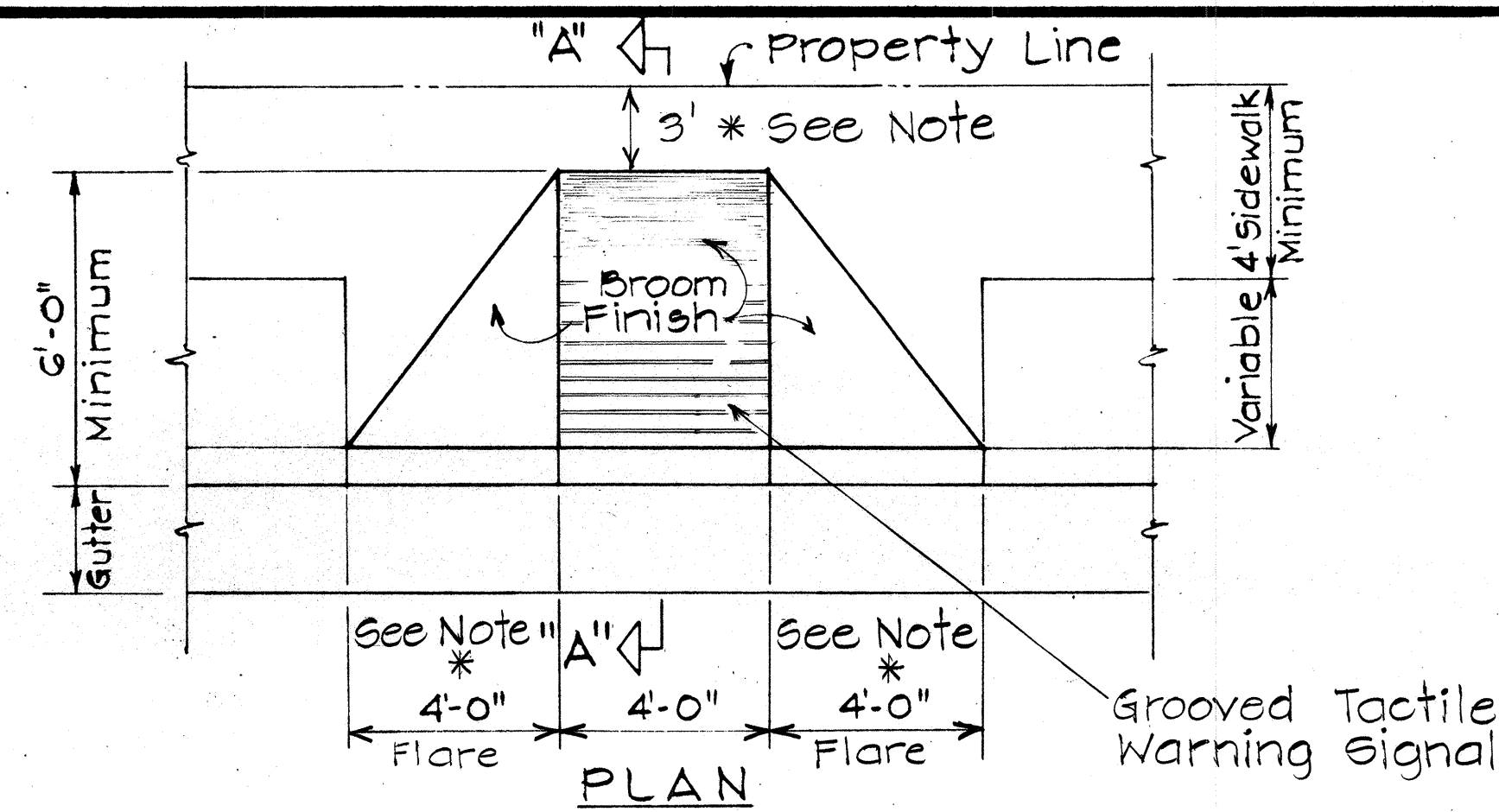
TYPICAL DETAILS OF WHEEL CHAIR RAMPS

Scale: As Shown May, 1978

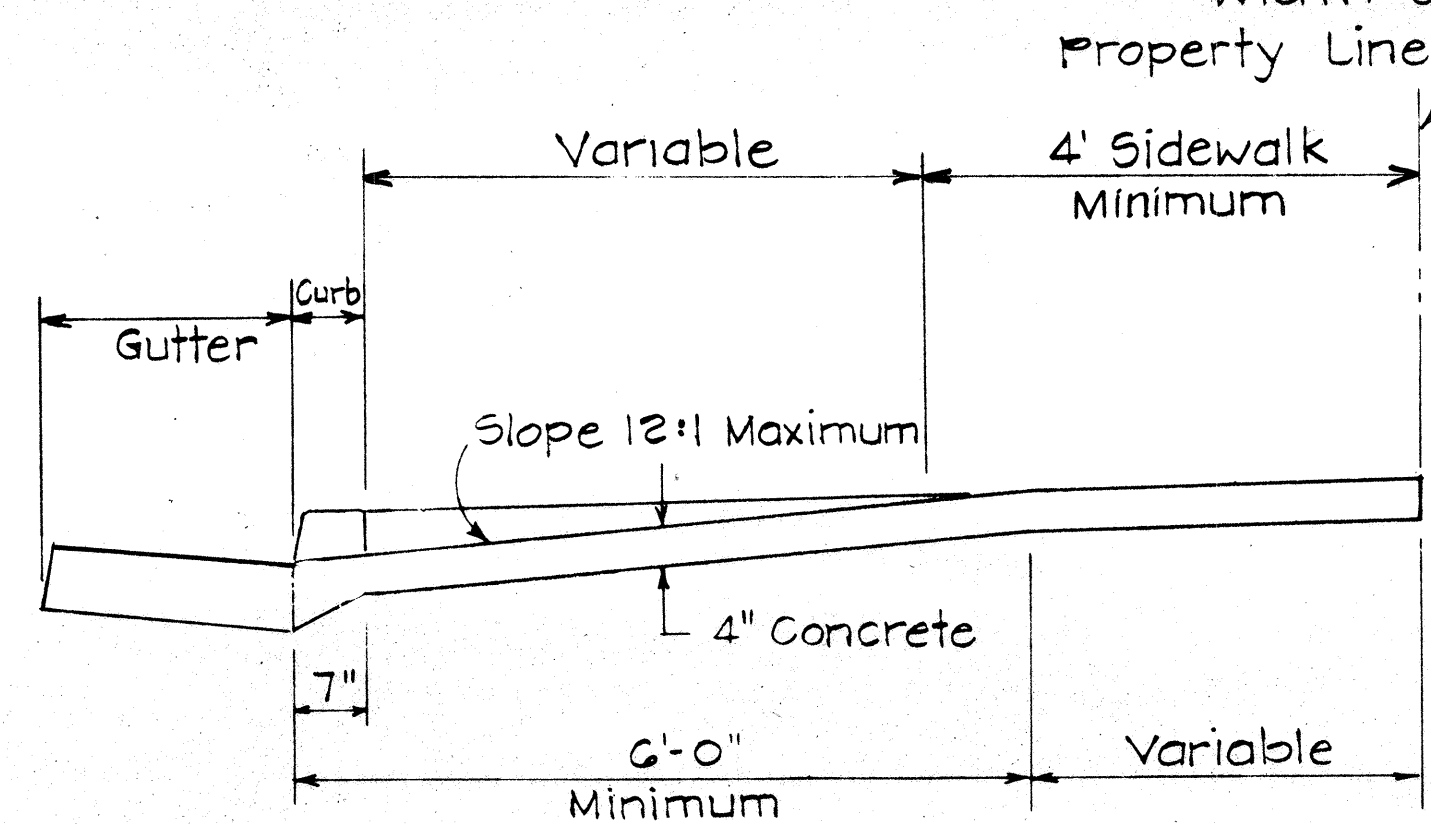
SHEET NO. 7 OF 19 SHEETS

DATE	.....
SURVEY PLOTTED BY	.....
DESIGNED BY	.....
TRACED BY	.....
NOTE BOOK	.....
QUANTITIES BY	.....
CHECKED BY	.....
ORIGINAL	.....

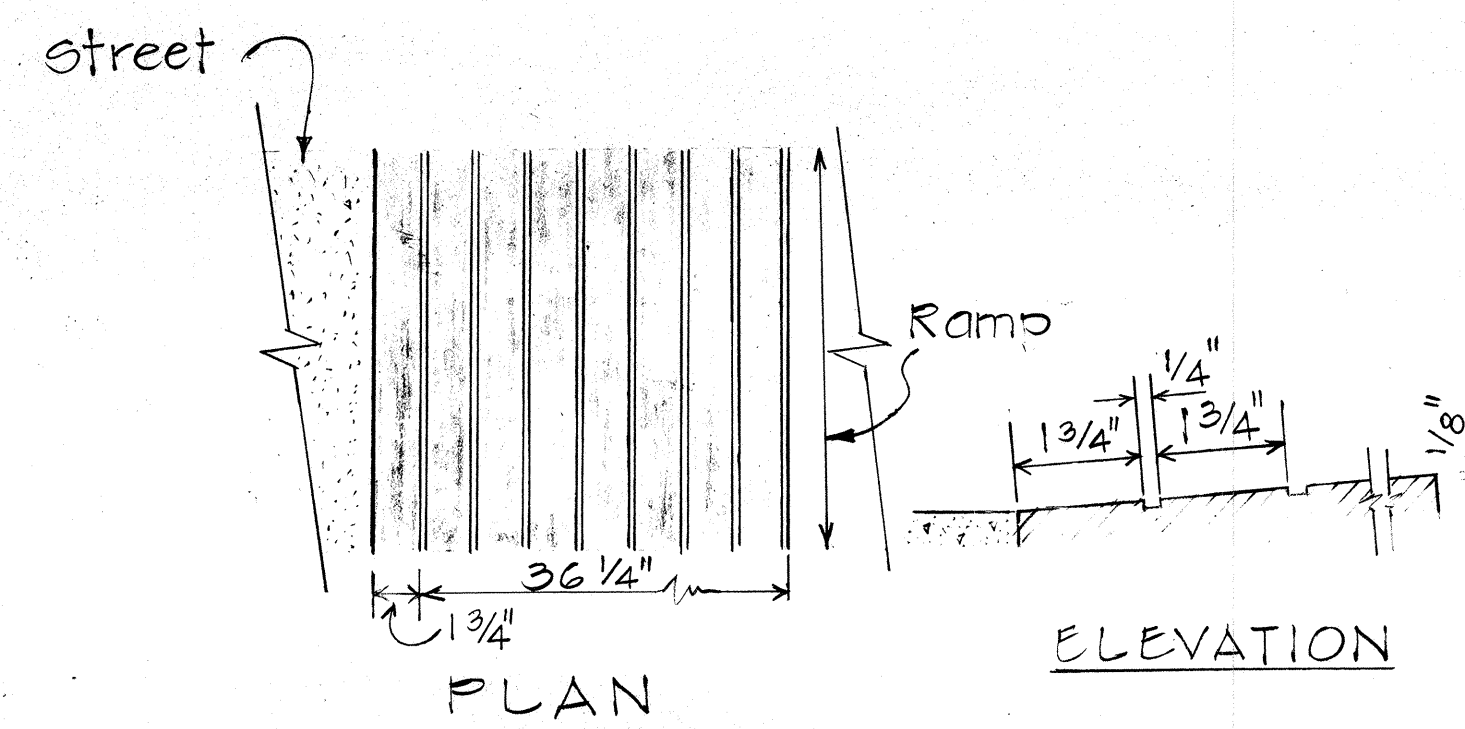
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	89D-01-79	1980	8	19



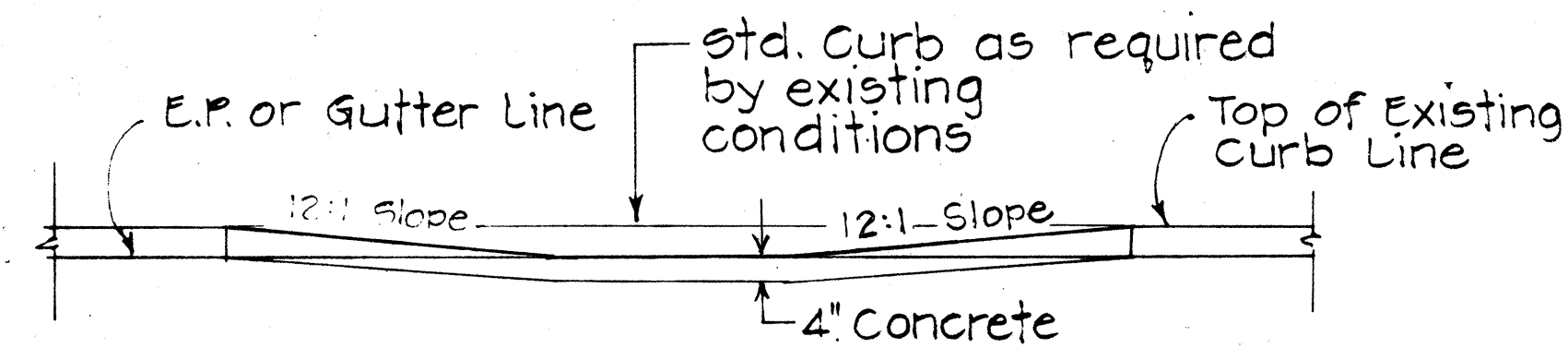
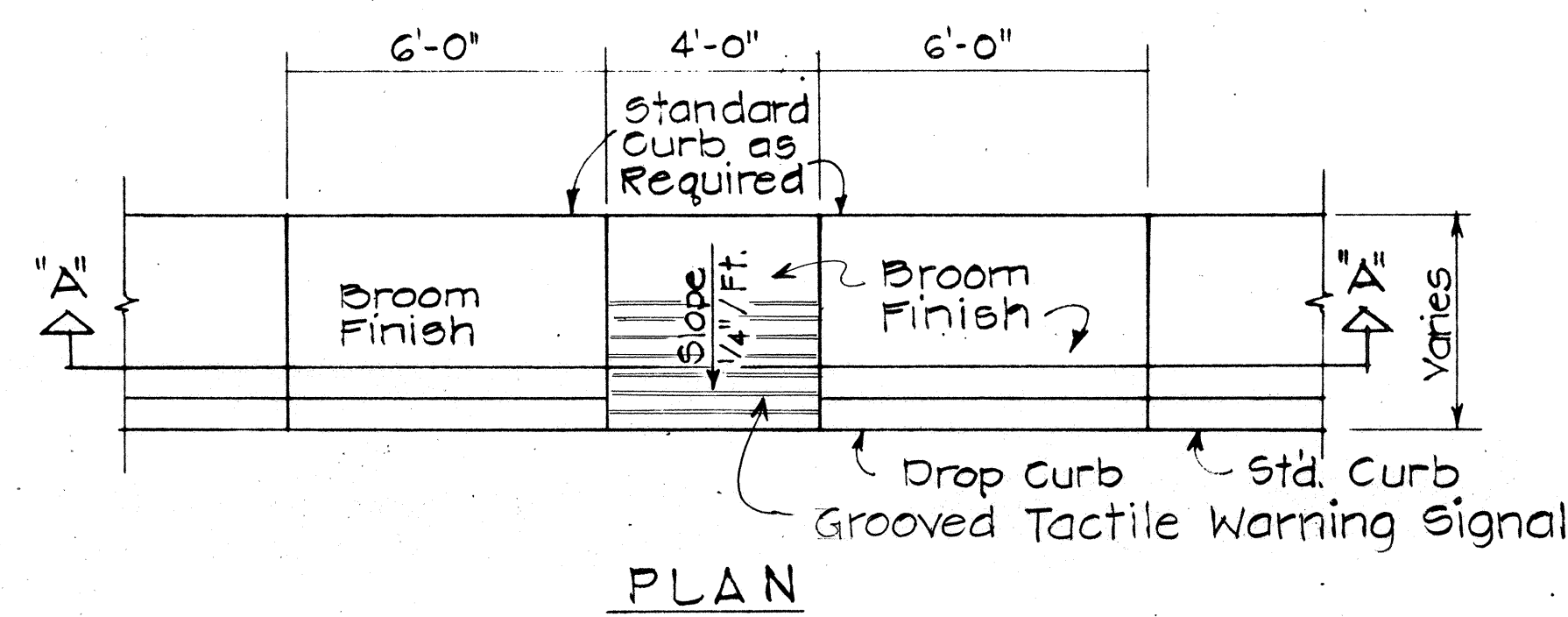
* Where dimension is less than 3', Flare width shall be 5'



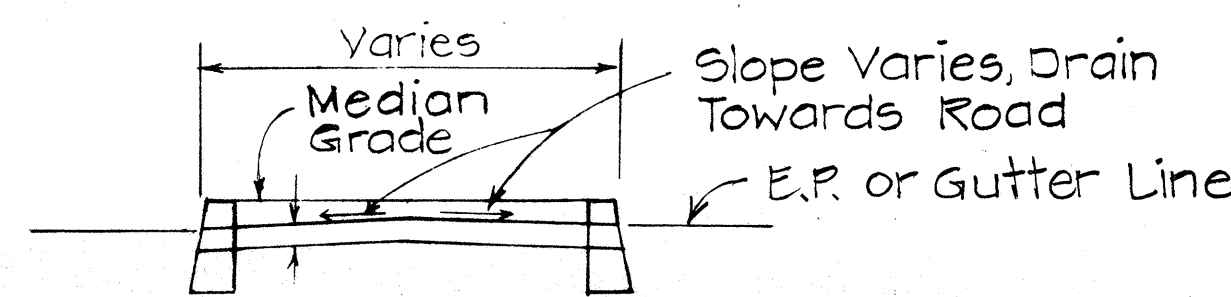
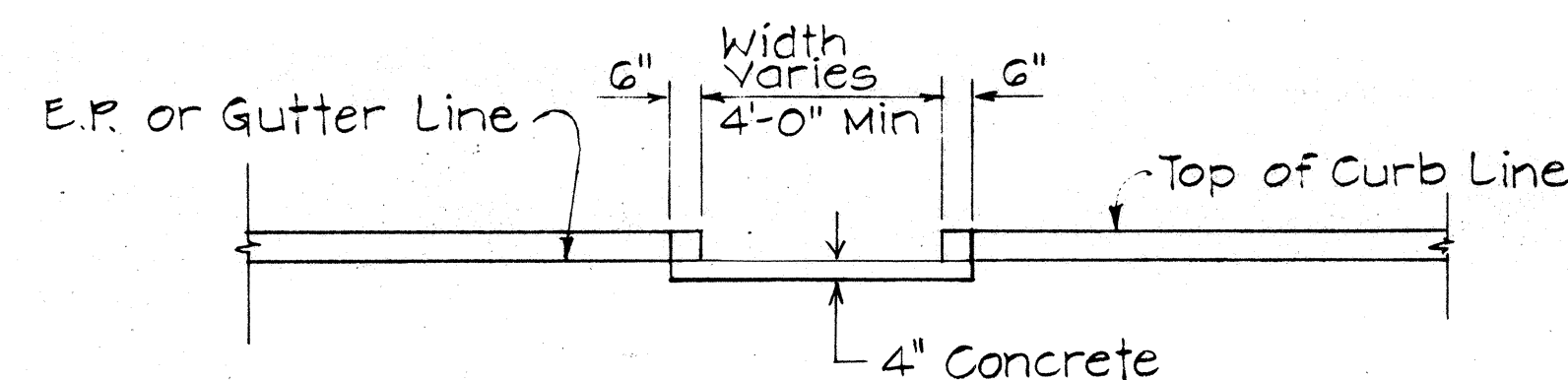
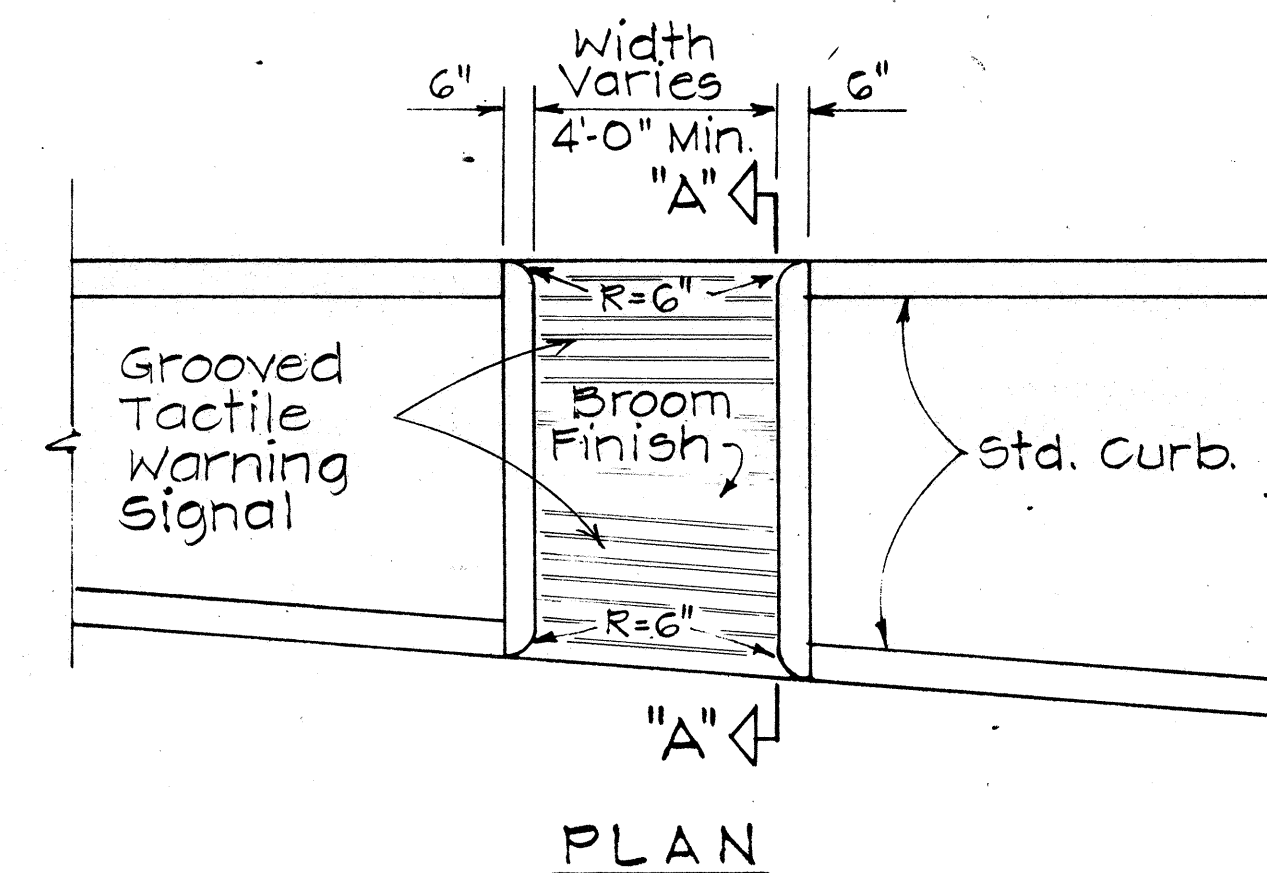
WHEELCHAIR RAMP - TYPE "A"
USE WHERE OBSTRUCTIONS EXIST



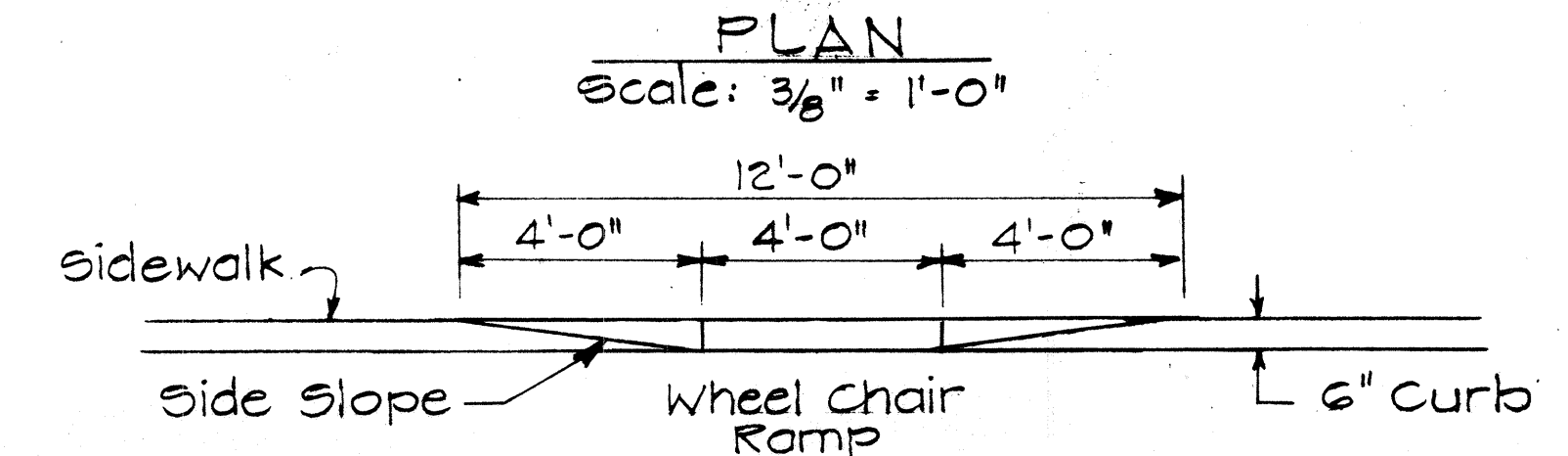
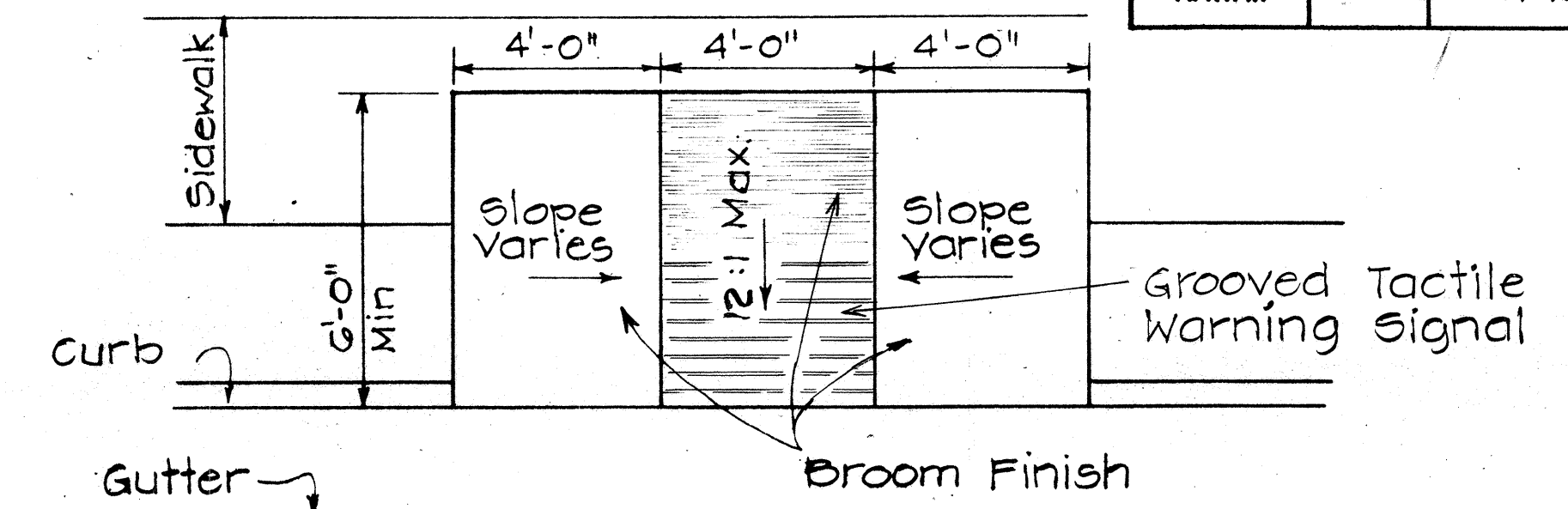
GROOVED TACTILE WARNING SIGNAL



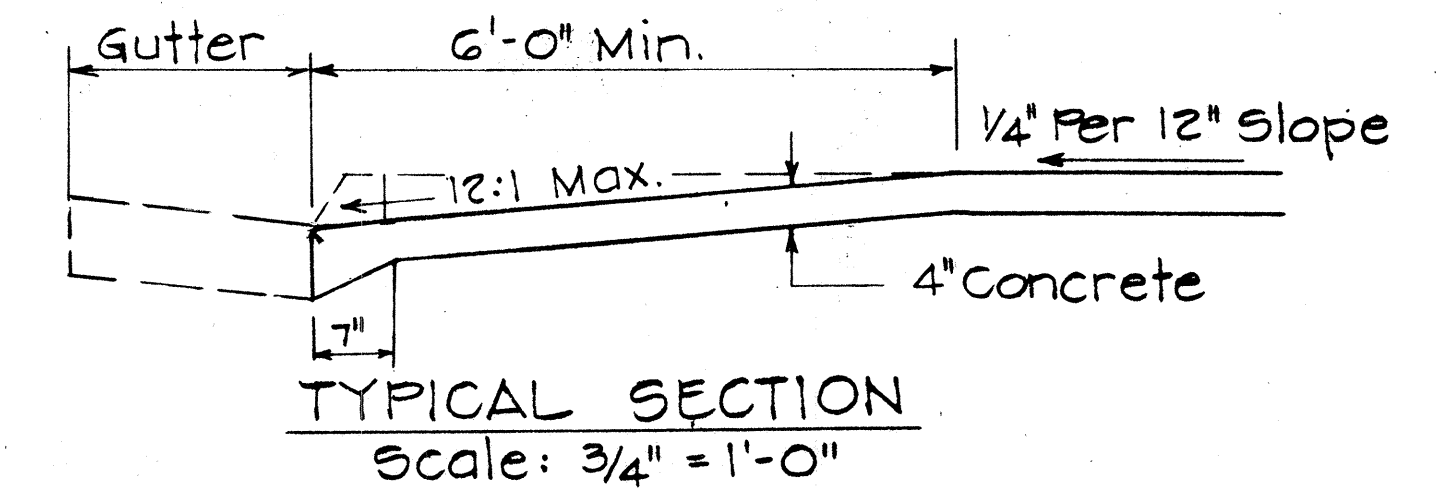
WHEELCHAIR RAMP - TYPE "B"
USE AT SIDEWALKS WITH LESS THAN 6'-0" WIDTH



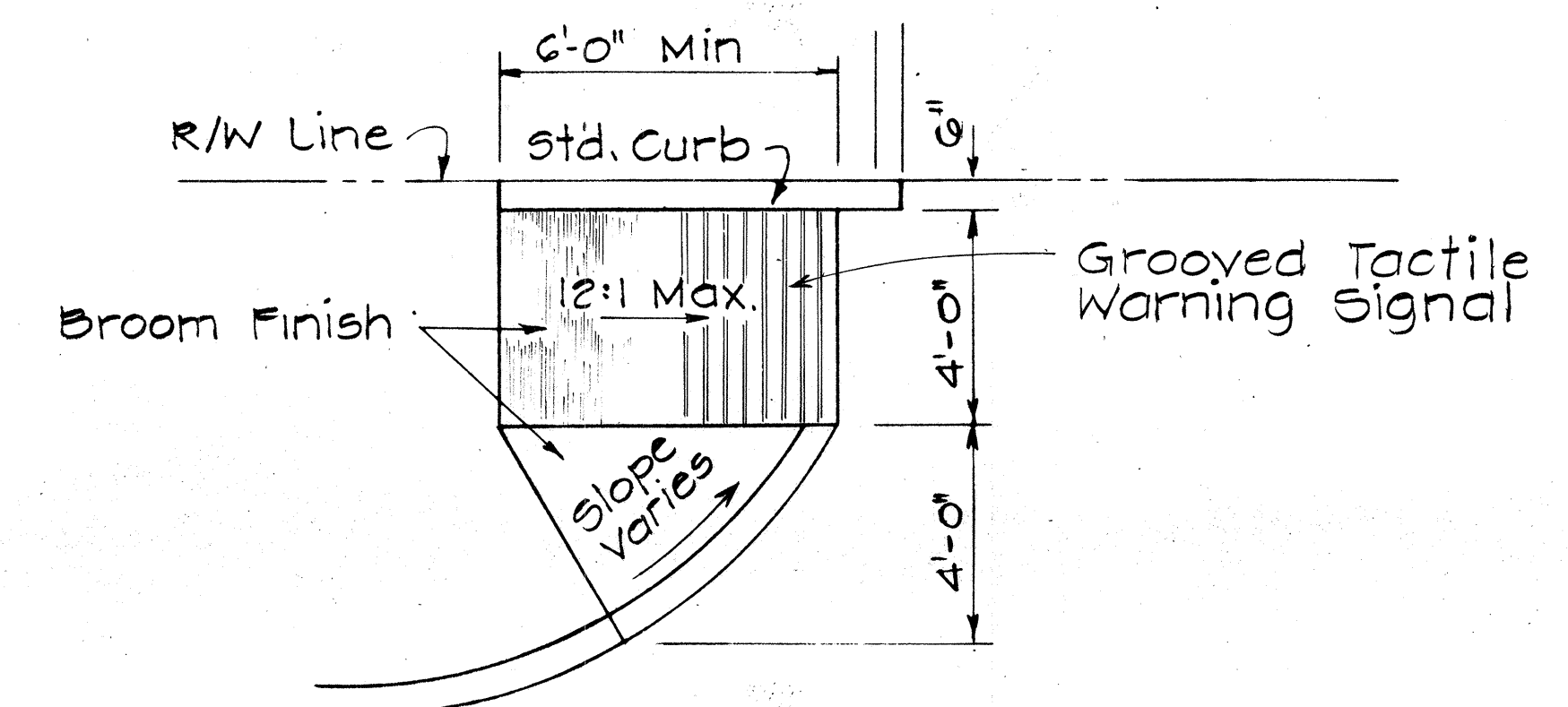
WHEELCHAIR RAMP - TYPE "C"
USE AT MEDIAN CROSSINGS, ISLANDS



WHEELCHAIR RAMP - TYPE "D"
USE WHEN IDEAL CONDITIONS EXIST



WHEELCHAIR RAMP - TYPE "D"
USE WHEN IDEAL CONDITIONS EXIST



WHEELCHAIR RAMP - TYPE "E"
USE AT CURBED DRIVEWAYS
Scale: 3/8" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**TYPICAL DETAILS OF
WHEEL CHAIR RAMPS**

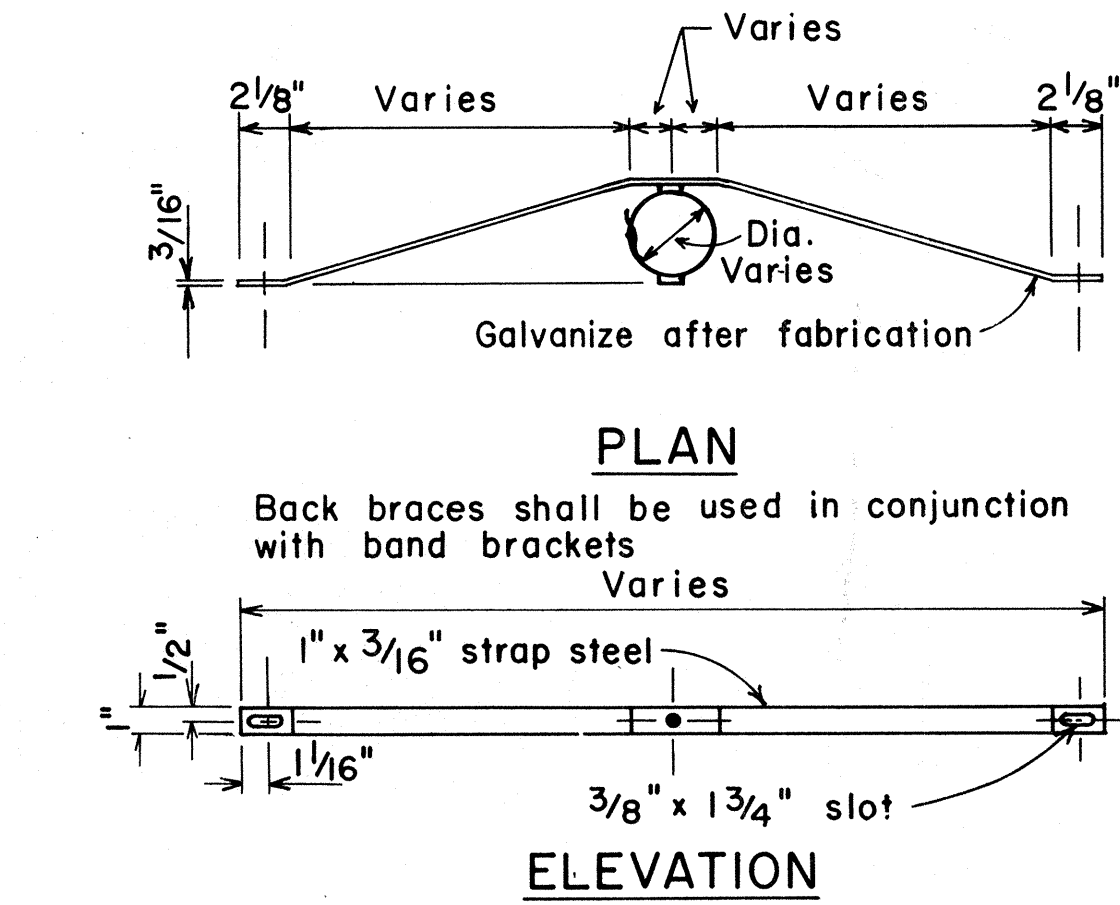
Scale: As Shown May, 1978
SHEET No. 8 OF 19 SHEETS

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

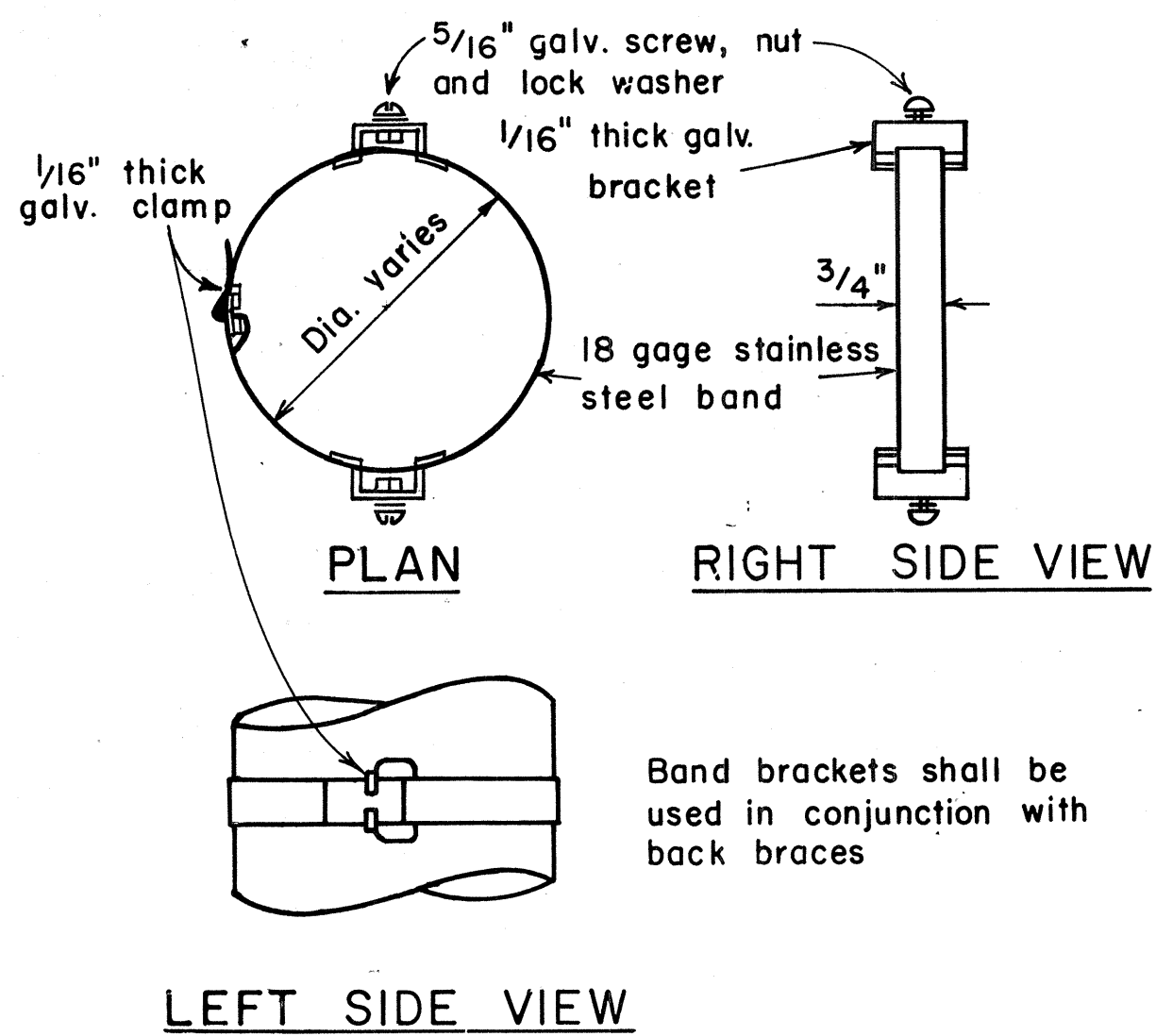
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99D-01-79	1980	9	19

GENERAL NOTES

- Signs 48" and wider or larger than 10 sq. ft. in area shall be mounted on two sign posts.
- All signs larger than 10 sq. ft. in area or 48" inches and wider, and mounted on other than two posts supports (i.e., on highway lighting poles) shall have at least two sets of band brackets and back braces.
- All signs 28 sq. ft. in area or larger and mounted on other than two posts supports (i.e., on highway lighting poles) shall have at least three sets of band brackets and back braces.
- Signs shall be attached to post with 5/16" galv. bolts with nuts and 7/8" x 0.06" stainless steel washers with neoprene rubber gasket.
- Sign posts shall extend 3 1/2" above sign where required for City and County street name signs.
- (R) or (L) indicates right or left and shall be as shown on the plans.
- See plans for special details.
- When clear roadside recovery areas are provided, Signs shall be placed as far from the edge of traveled way as possible up to a maximum of 30 feet. When possible they shall be placed in protected locations.
- Signs in medians shall be placed at midpoint of median up to a maximum distance of 30 feet from the edge of traveled way. When appropriate, signs for opposing directions shall be placed back to back.



BACK BRACE DETAILS FOR BALANCED SIGN INSTALLATION



TYPICAL BAND BRACKET FOR MOUNTING TRAFFIC SIGNS

NO.	REVISION	APPROVED BY	DATE
1	Supersedes Sht. DT-100 approved 12/30/69	H.T.	11/15/77
2	Revised depth of signpost	H.T.	8/21/79
3	Added Notes No. 8 & No. 9	H.T.	5/18/79

APPROVAL RECOMMENDED:		
<i>Eishi Tanaka</i>	11/10/77	DATE
TRAFFIC ENGINEER		
APPROVED:		
<i>Harbert S. Sakai</i>	11/15/77	DATE
ASSISTANT CHIEF, ENGINEERING		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

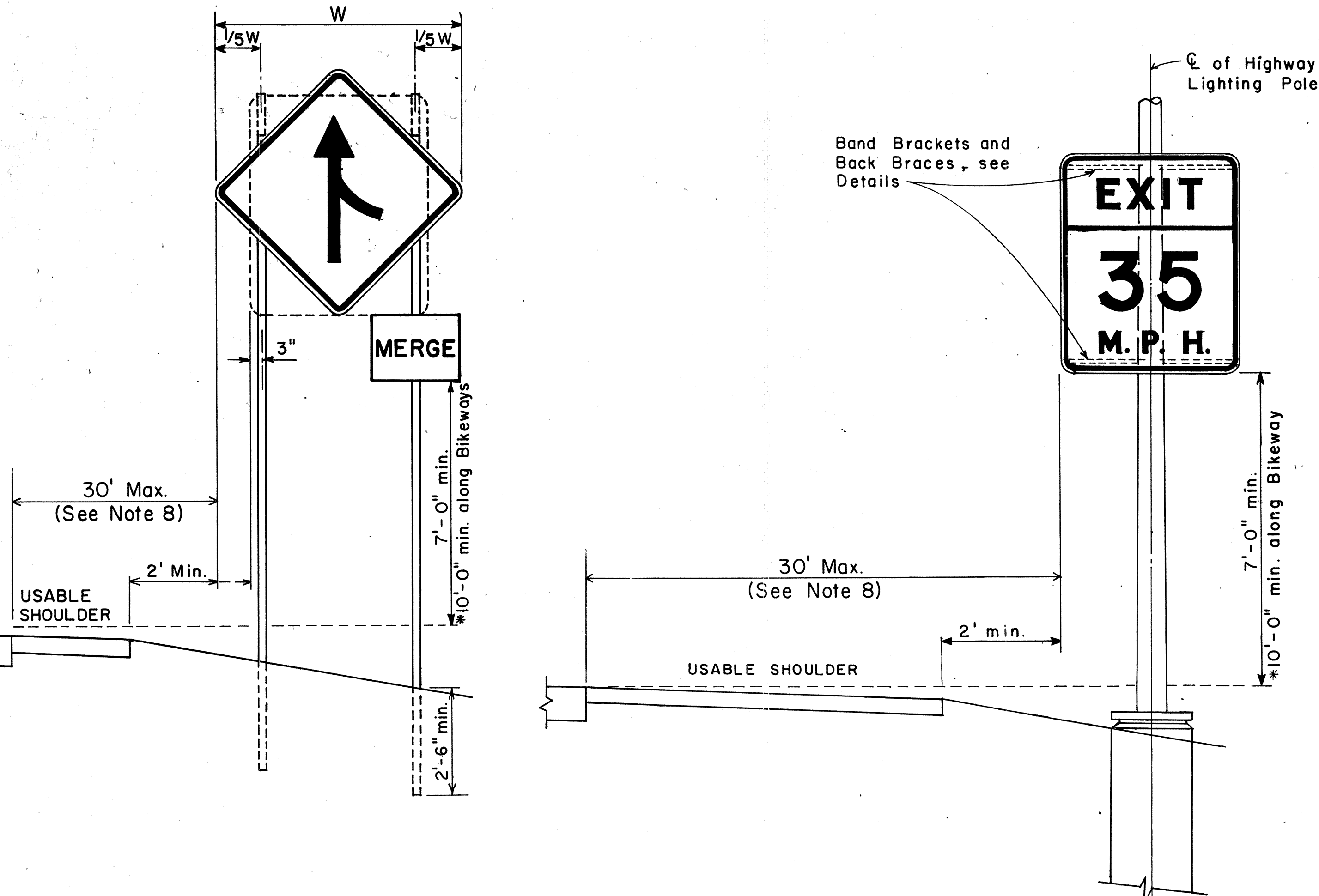
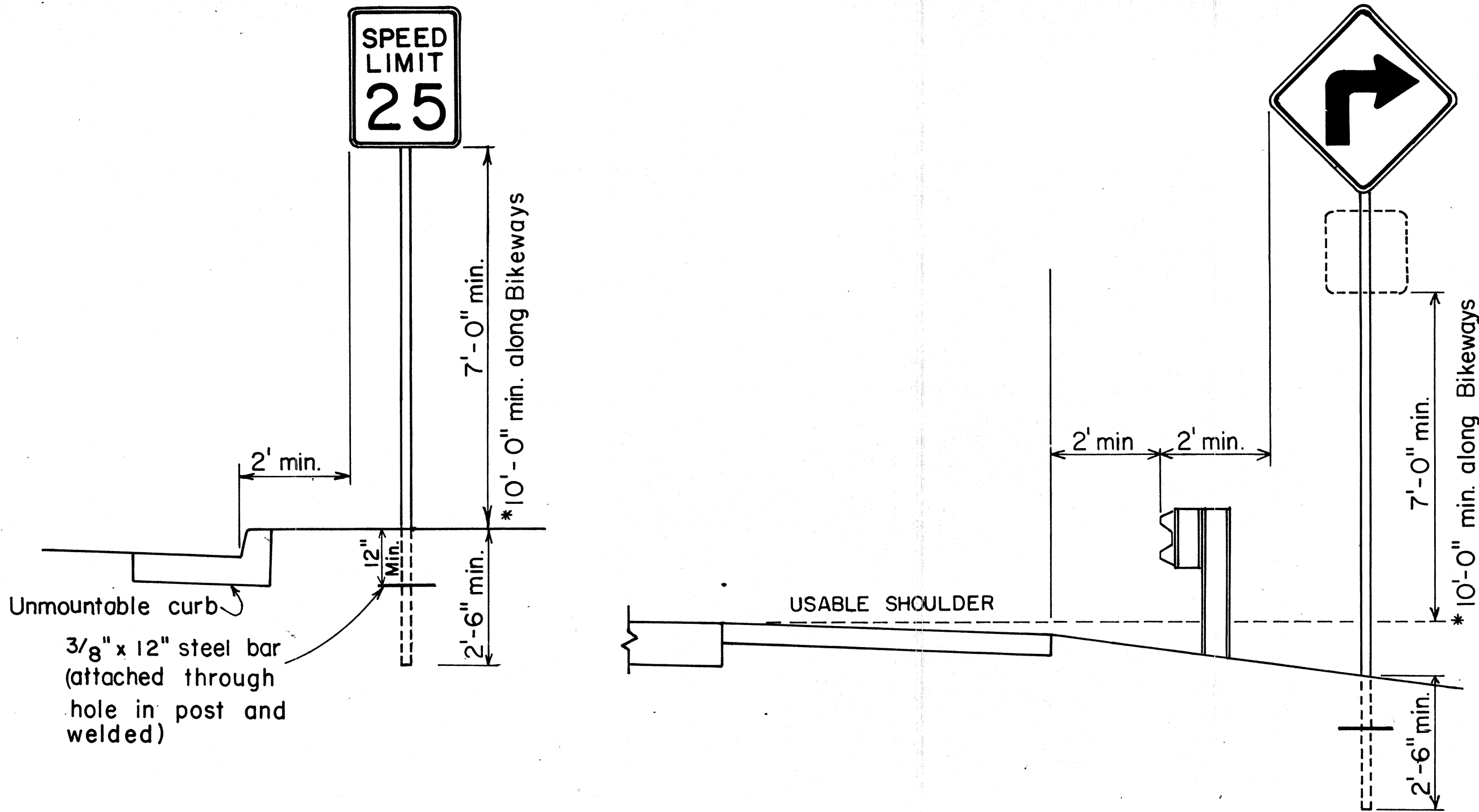
STANDARD DETAILS

MISCELLANEOUS SIGN DETAILS

Not to scale

June, 1977

SHEET NO. 9 OF 19 SHEETS DT 100



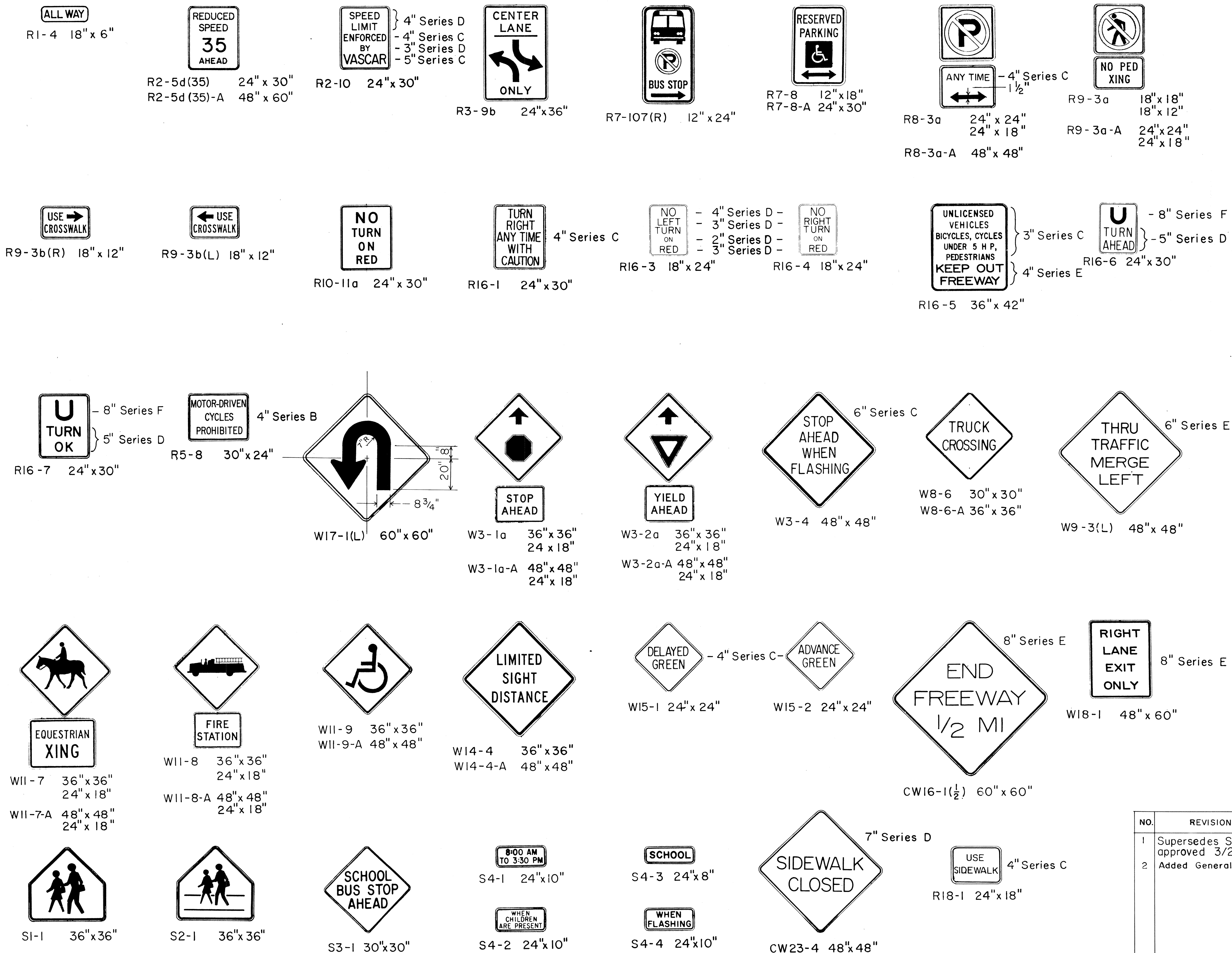
HEIGHT AND LATERAL LOCATION OF SIGNS TYPICAL INSTALLATION

DATE	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
ORIGINAL PLAN	
NO.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99B-01-79	1980	11	19

General Notes

1. Sign details shall conform to the latest editions of the following FHWA publications:
 - a. "Standard Alphabets for Highway Signs," and as amended.
 - b. "Standard Highway Signs," and as amended,
 - c. "Manual on Uniform Traffic Control Devices for Streets and Highways," and as amended,
2. All signs shall be reflectorized with reflective sheeting, unless otherwise specified.
3. All signs shall have $\frac{3}{8}$ " bolt holes drilled at appropriate locations.
4. Numerals in () indicate numerals to be inserted for sign message. (R) or (L) indicates right or left.
5. Signs prefixed with "CW" on the plans shall indicate orange and black construction signs, and shall be reflectorized with reflective sheeting.
6. All signs shall be erected without educational plaques unless called for in the plans.



NO.	REVISION	APPROVED BY	DATE
1	Supersedes Sht. DT 103 approved 3/20/72	H.F.	5/2/71
2	Added General Note 6	H.F.	11/9/71

APPROVAL RECOMMENDED: Eiichi Tanaka 5/2/78
TRAFFIC ENGINEER DATE

APPROVED: Herbert Z. Zafetsky 5/3/78
ASSISTANT CHIEF, ENGINEERING DATE

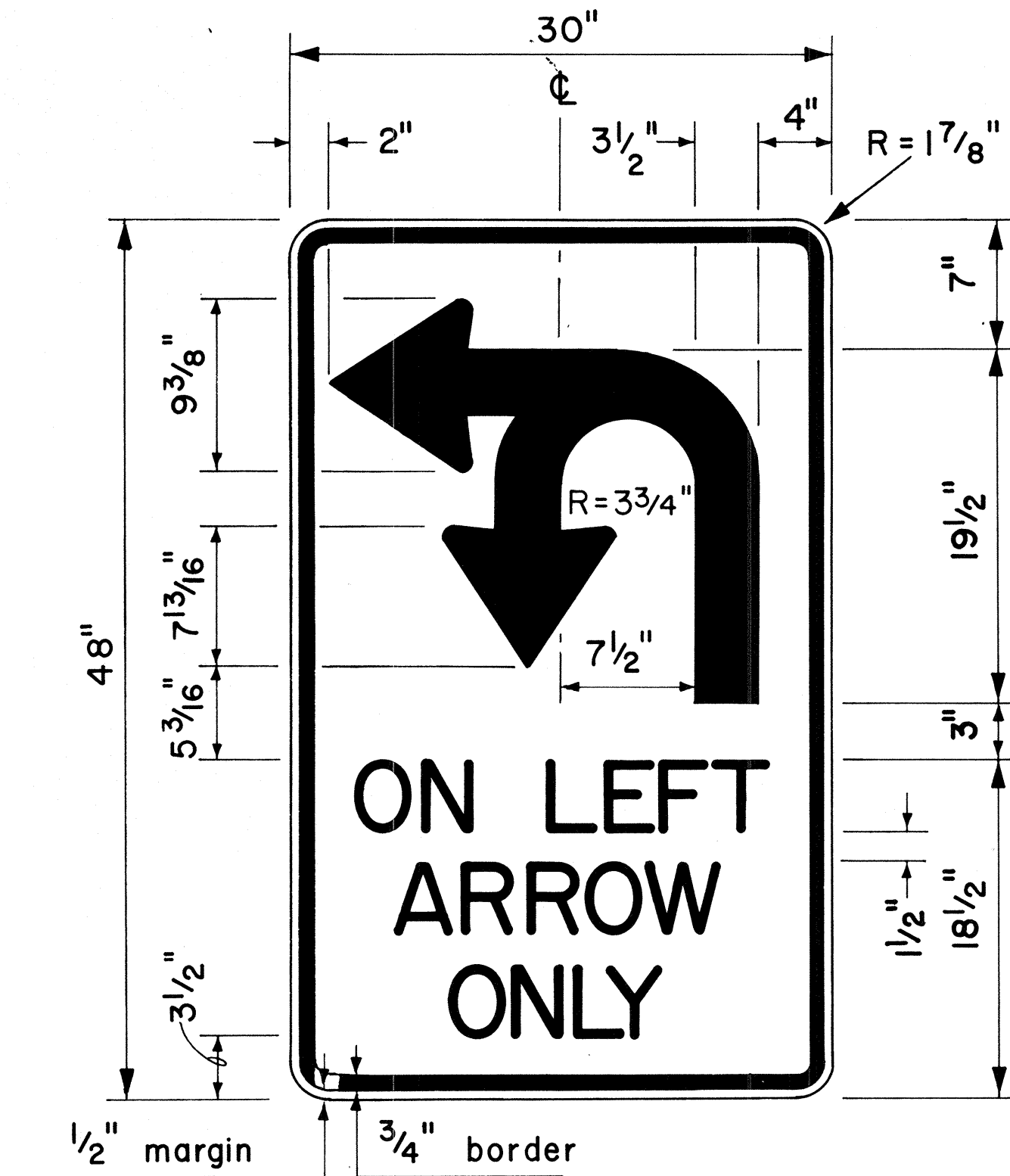
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD DETAILS
MISCELLANEOUS SIGNS

NOT TO SCALE DATE: MAY, 1978
SHEET No. 11 OF 19 SHEETS DT 103

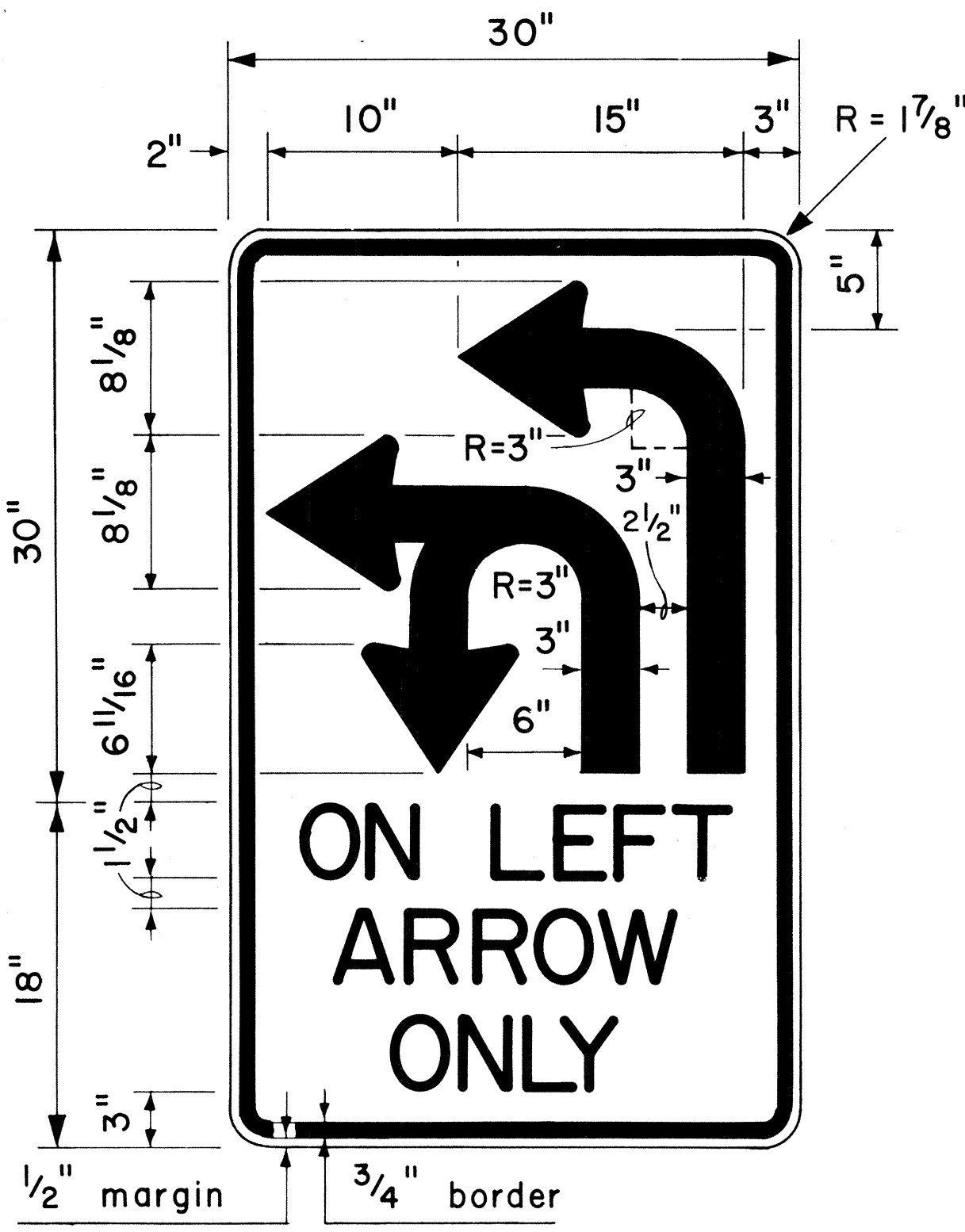
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	300-01-73	1980	12	19

GENERAL NOTES

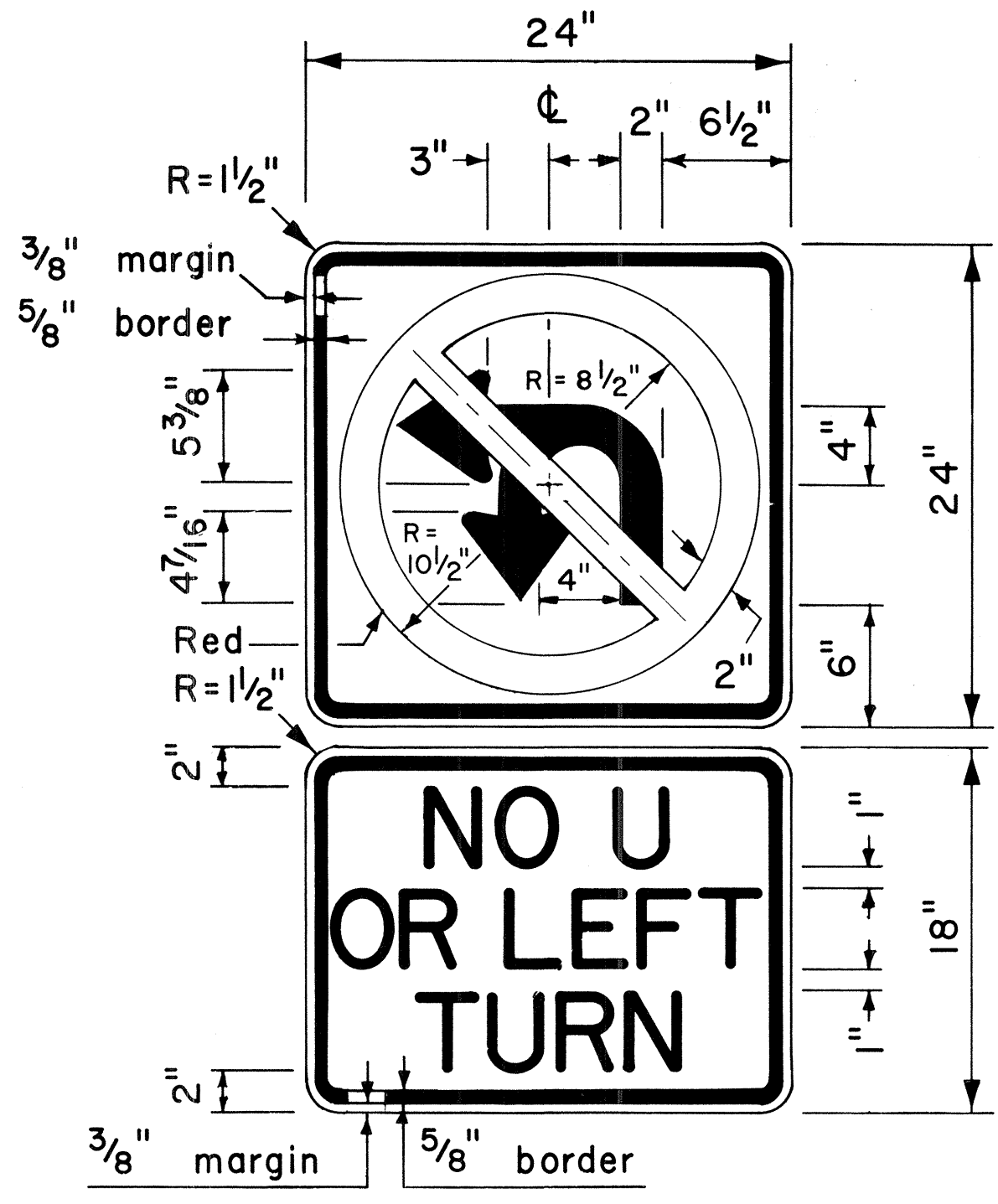
- 1. Sign details shall conform to the latest editions of the following FHWA publications: "Manual on Uniform Traffic Control Devices for Streets and Highways," and "Standard Highway Signs," and as amended.
- 2. All regulatory signs shall be reflectorized unless otherwise specified.
- 3. All regulatory signs shall have 3/8" bolt holes drilled at appropriate locations.



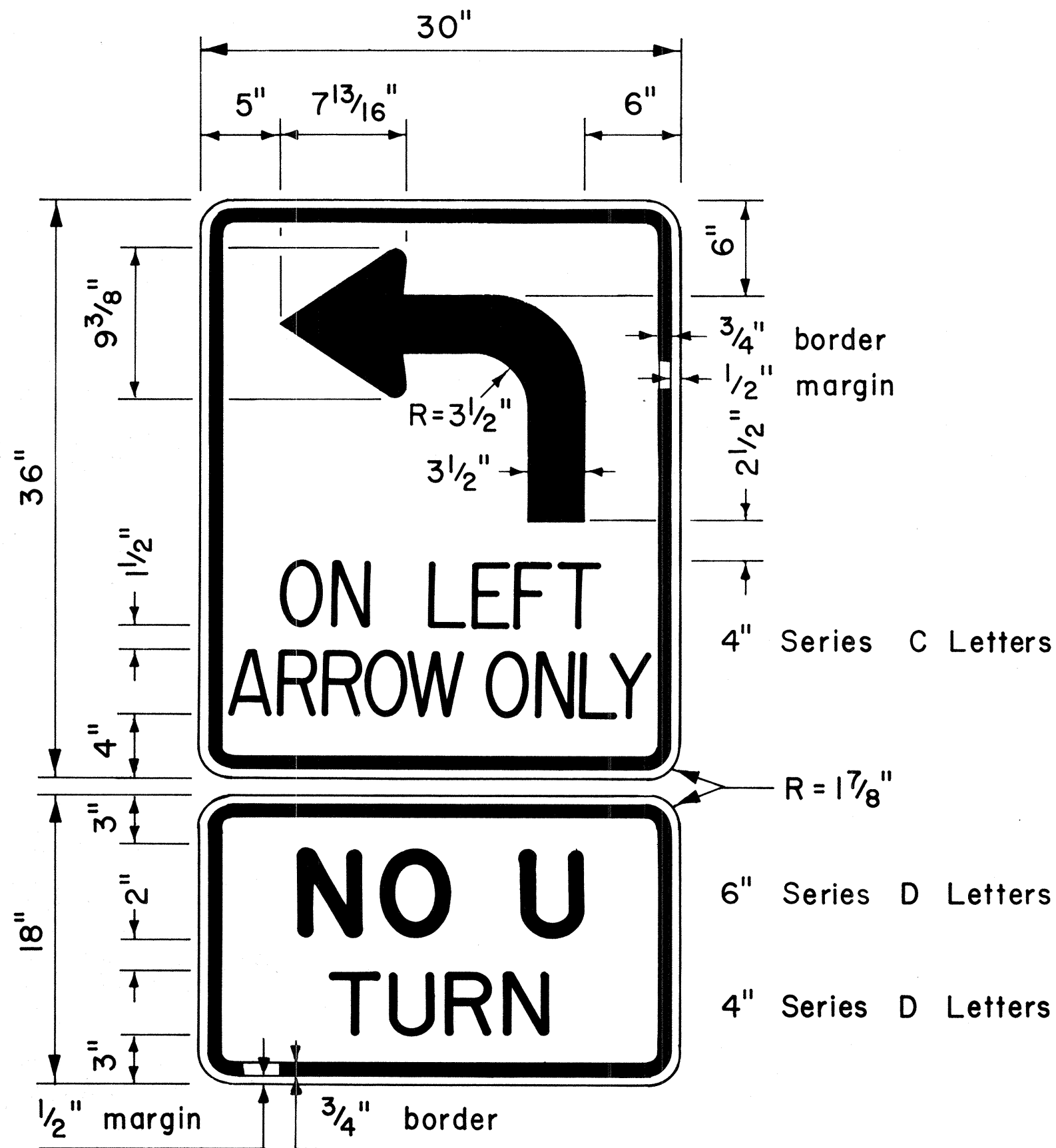
4" Series D Letters
R17-1



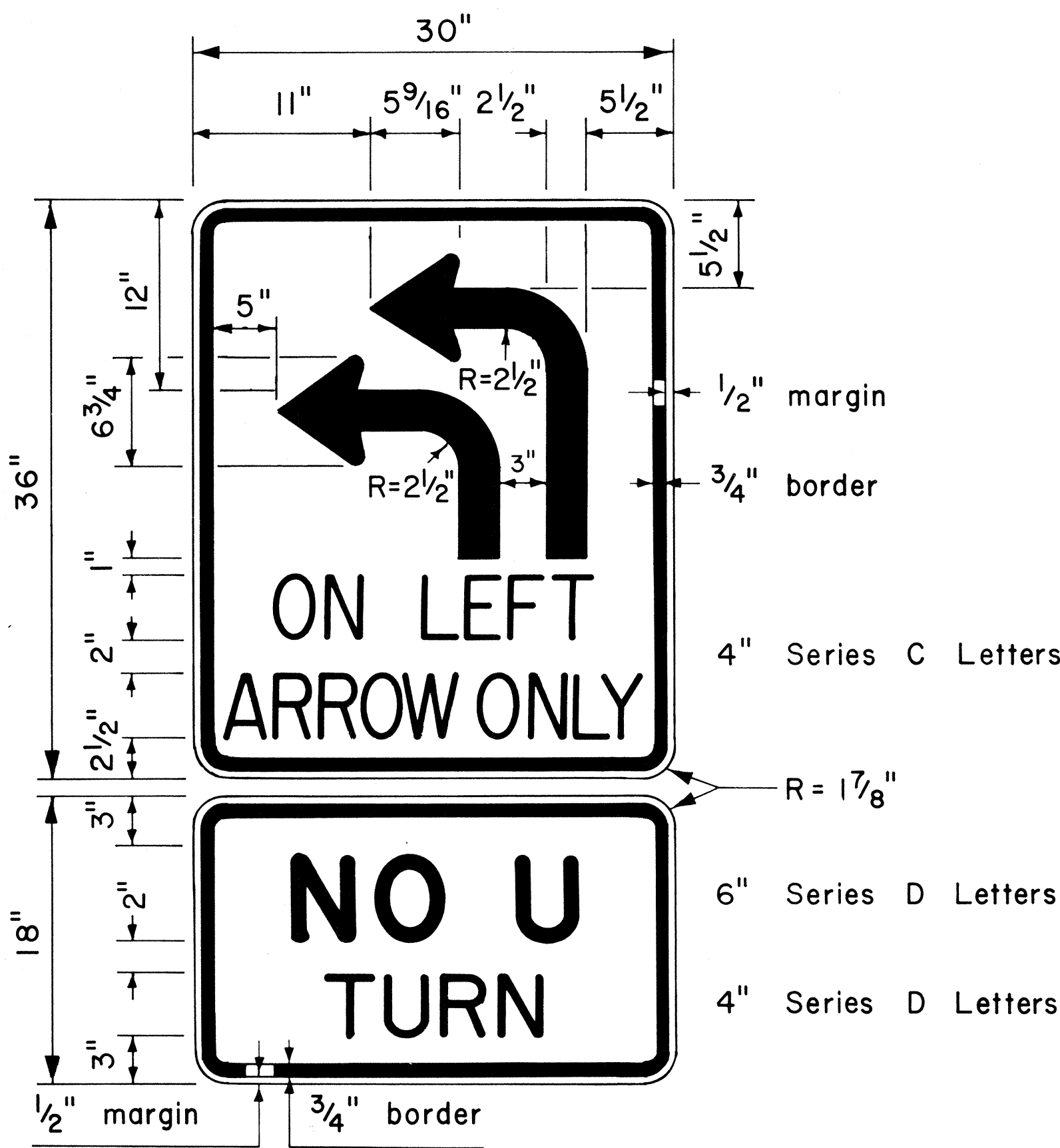
4" Series D Letters
R17-2



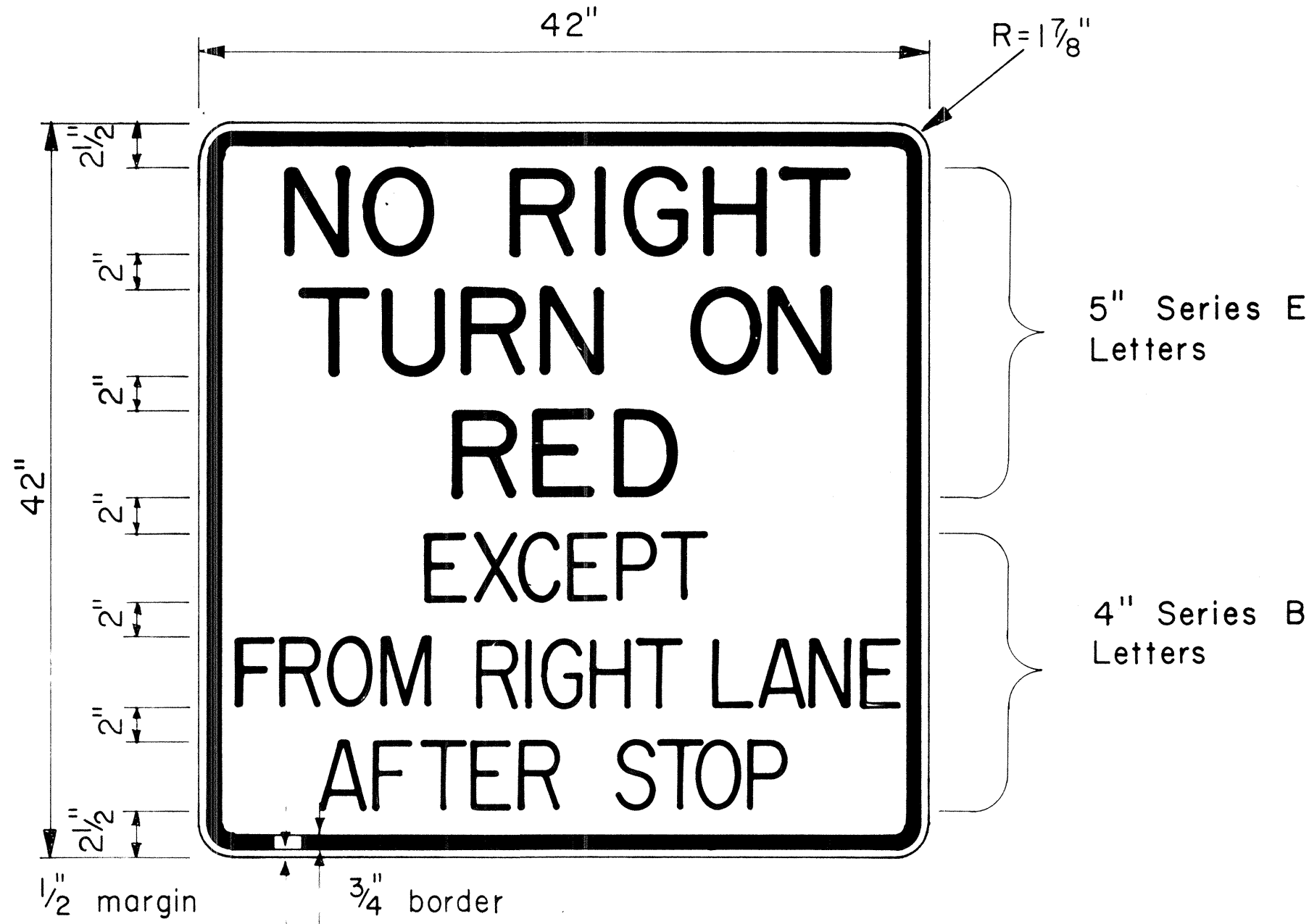
4" Series D Letters
R3-4b



R17-3



R17-4



R10-11d

NO.	REVISION	APPROVED BY	DATE

APPROVAL RECOMMENDED:
Erich Tanaka 8/1/77
 TRAFFIC ENGINEER DATE

APPROVED:
Harbert Palacios 8/16/77
 ASSISTANT CHIEF, ENGINEERING DATE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

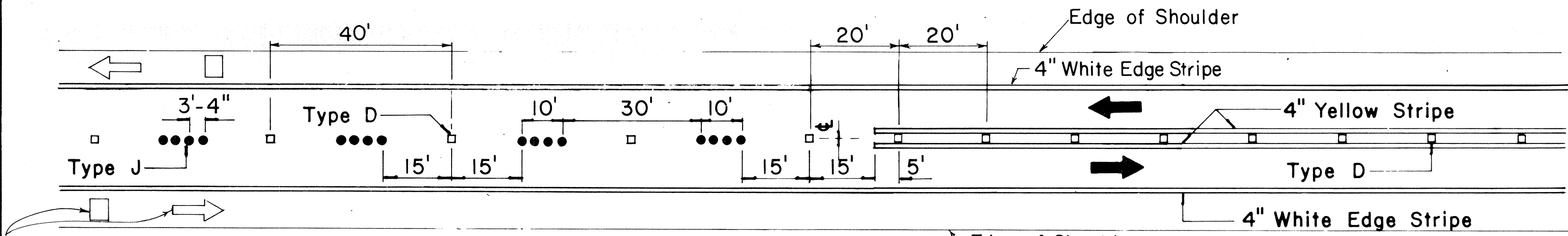
STANDARD DETAILS
 MISCELLANEOUS
 INTERSECTION SIGNS

Scale: 1 1/2" = 1'-0" Date: Aug., 1977

SHEET NO. 12 OF 19 SHEETS DT 112

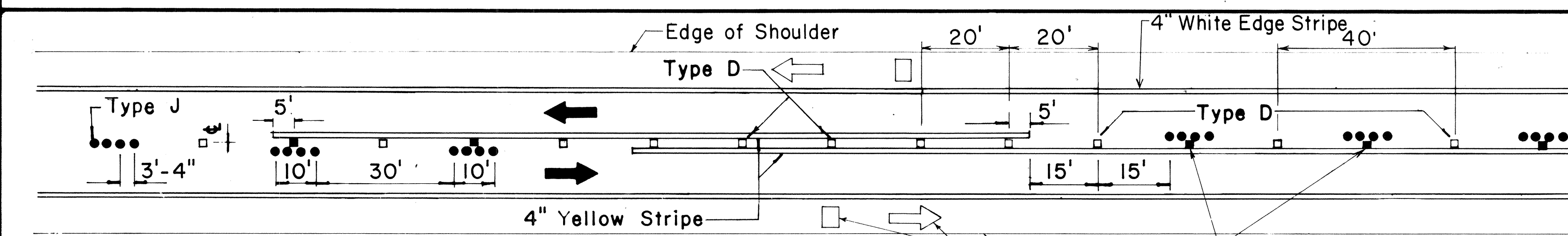
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99D-01-79	1980	13	19



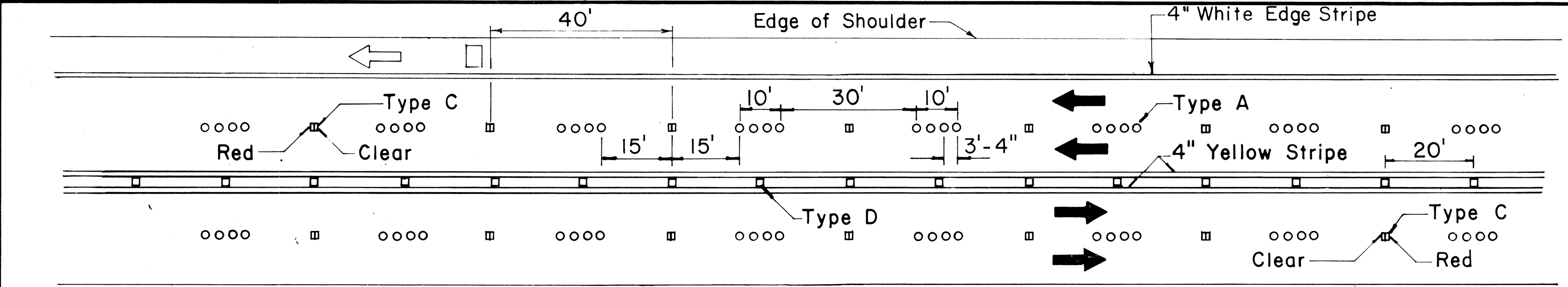
Pavement Symbols, Words, Arrows, and Legends for Bike Route as Required on Plans.

PASSING PERMITTED AND PASSING PROHIBITED

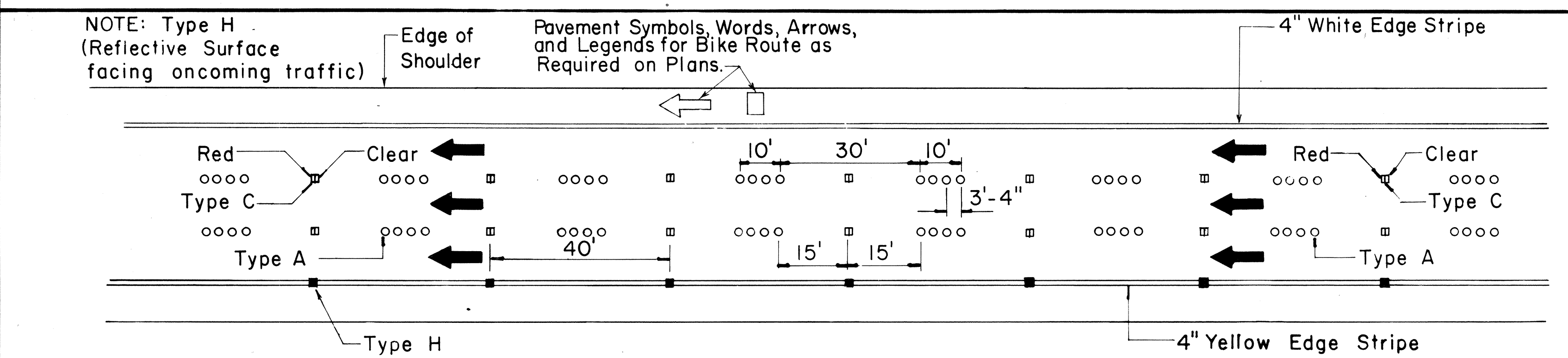


Pavement Symbols, Words, Arrows, and Legends for Bike Route as Required on Plans.

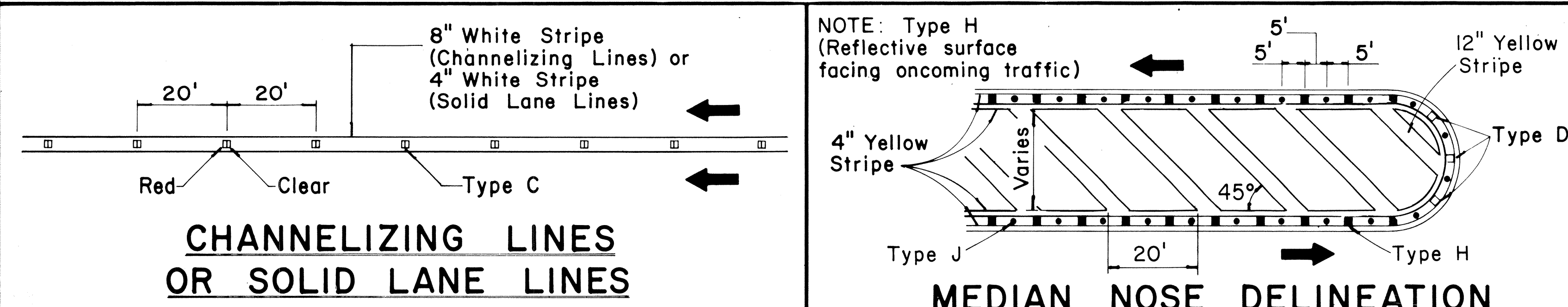
PASSING PROHIBITED ZONES



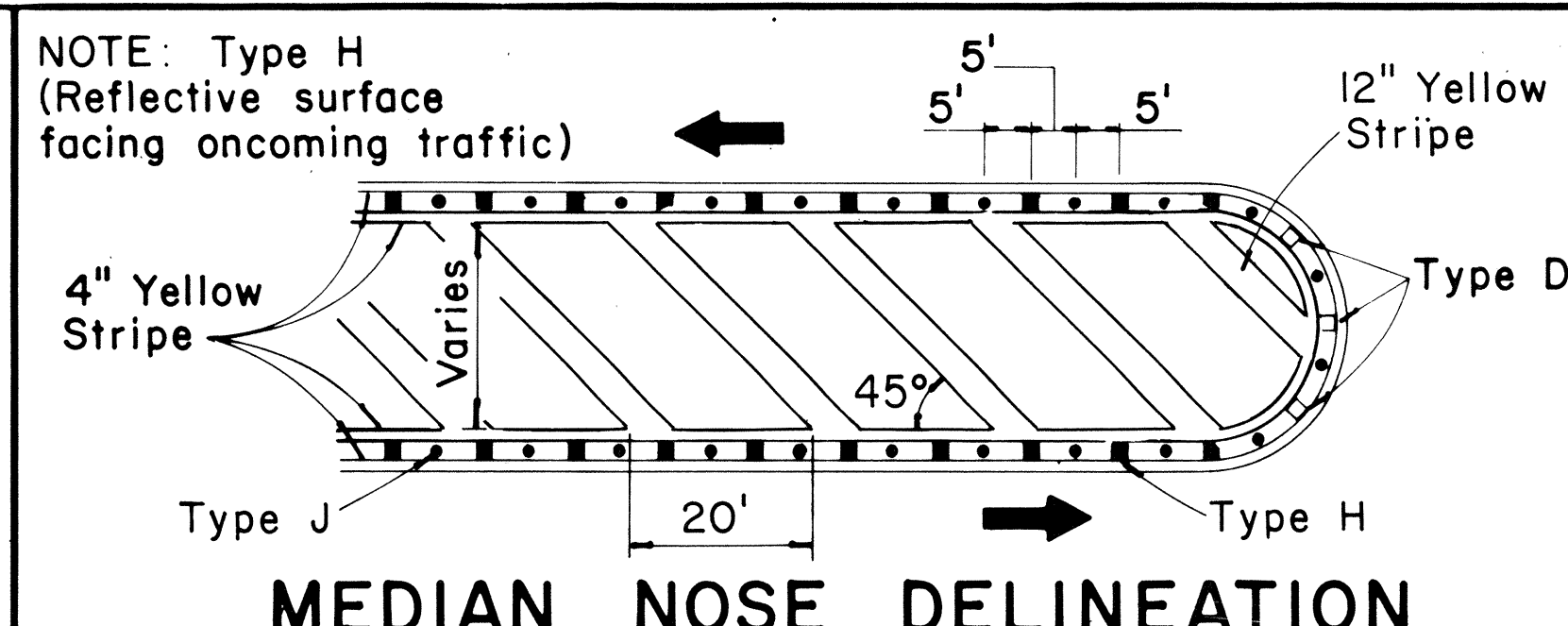
Pavement Symbols, Words, Arrows, and Legends for Bike Route as Required on Plans.



NOTE: Type H (Reflective Surface facing oncoming traffic)



CHANNELIZING LINES OR SOLID LANE LINES



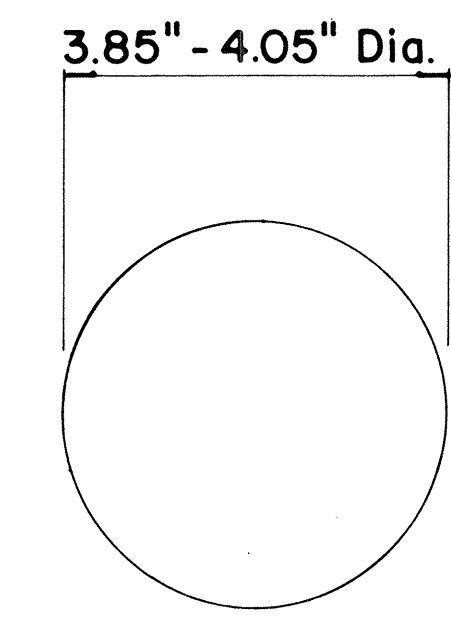
MEDIAN NOSE DELINEATION

TWO - LANE

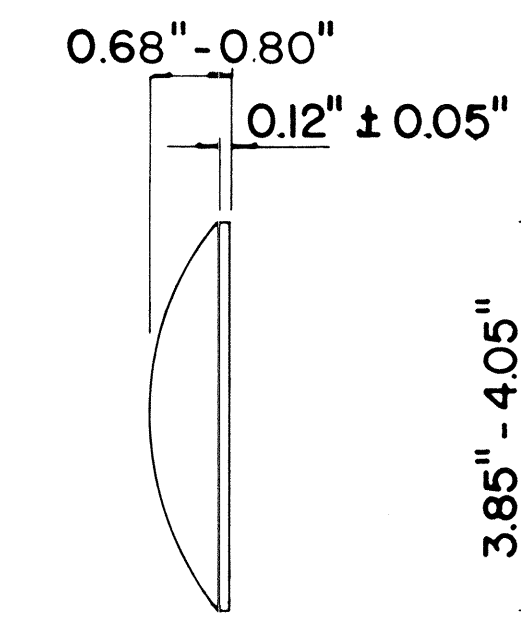
MULTI - LANE

DIVIDED HIGHWAY AND FREEWAY

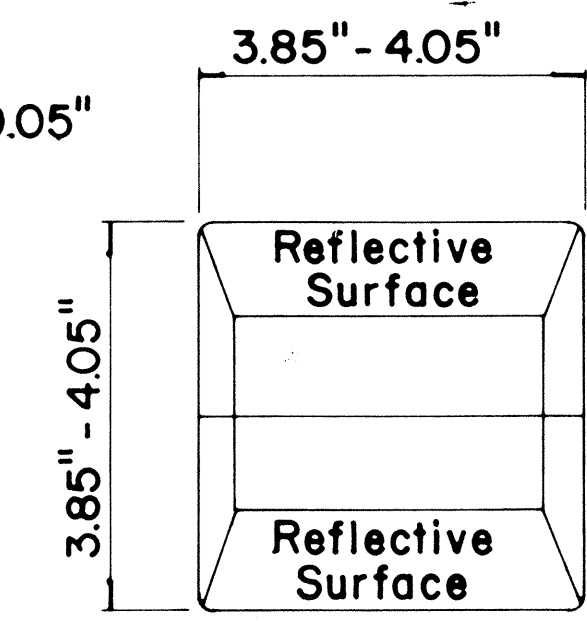
MISCELLANEOUS



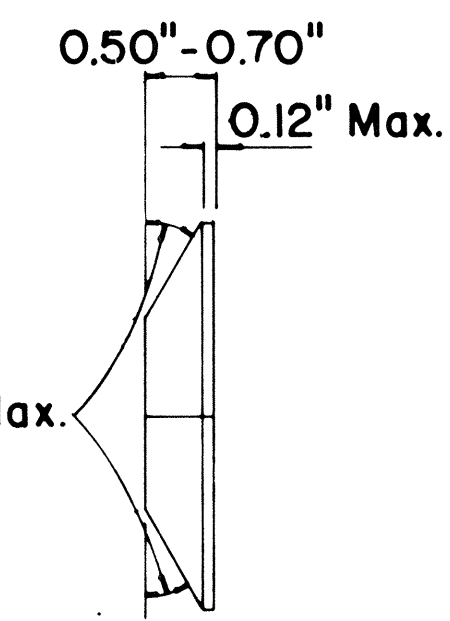
TYPE A
NON - REFLECTIVE WHITE MARKER



TYPE J
NON - REFLECTIVE YELLOW MARKER



TYPE C
RED - CLEAR REFLECTIVE MARKER



TYPE D
TWO - WAY YELLOW REFLECTIVE MARKER

TYPE H
ONE - WAY YELLOW REFLECTIVE MARKER

GENERAL NOTES

- Pavement marking and striping shall conform to the latest "Manual on Uniform Traffic Control Devices for Streets and Highways," and as amended.
- Layout and installation of pavement marking and striping shall be done by the Contractor. The Contractor shall check the layouts with the Engineer prior to performing work.

LEGEND

- Type A
- Type C
- Type D
- Type H
- Type J

APPROVAL RECOMMENDED:

Erich Tanaka
TRAFFIC ENGINEER

7/21/78
DATE

APPROVED:

Robert D. Zakeish
ASSISTANT CHIEF, ENGINEERING

1/24/78
DATE

No.	REVISION	APPROVED BY	DATE
1	Supersedes DT 300 approved 11/18/71.	H.T.	1/24/78
2	Delete Type A Markers from Bike Route Delineation.	H.T.	1/15/78

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS
RAISED PAVEMENT MARKERS
AND STRIPING

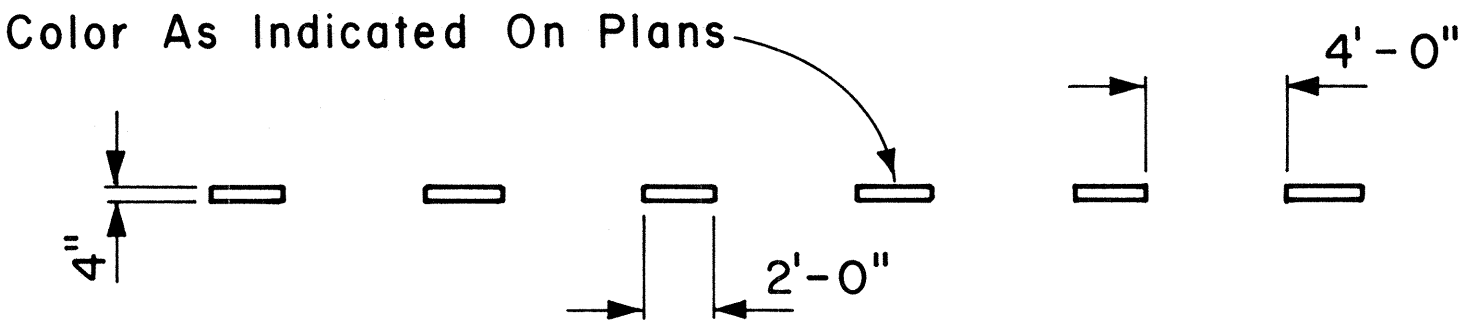
Not to Scale July 1978

SHEET No. 13 OF 19 SHEETS DT 300

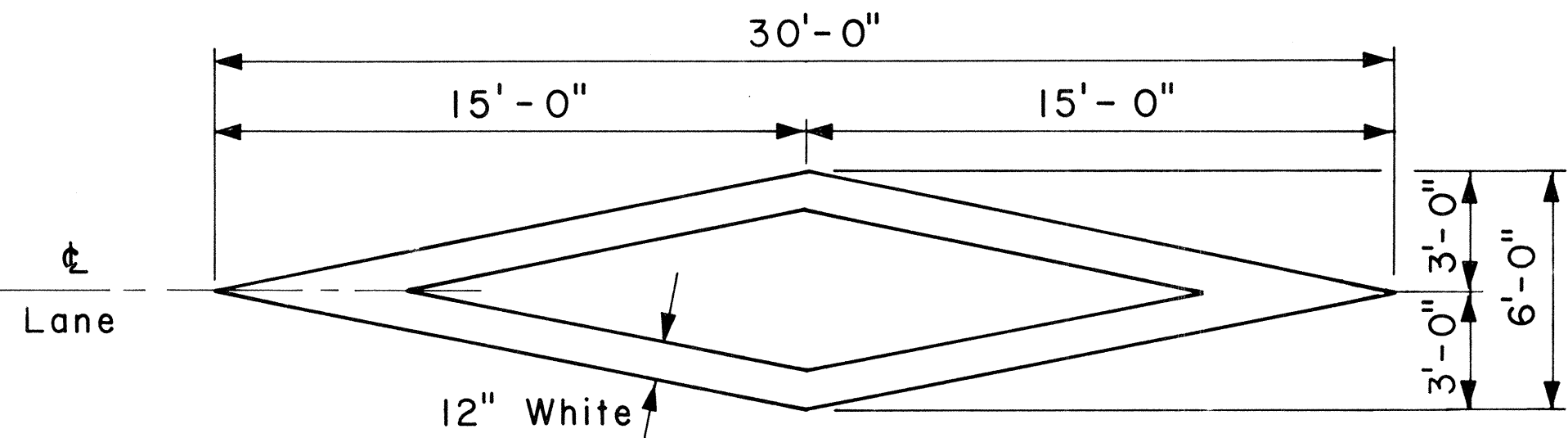
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99D-01-79	1980	14	19

GENERAL NOTES:

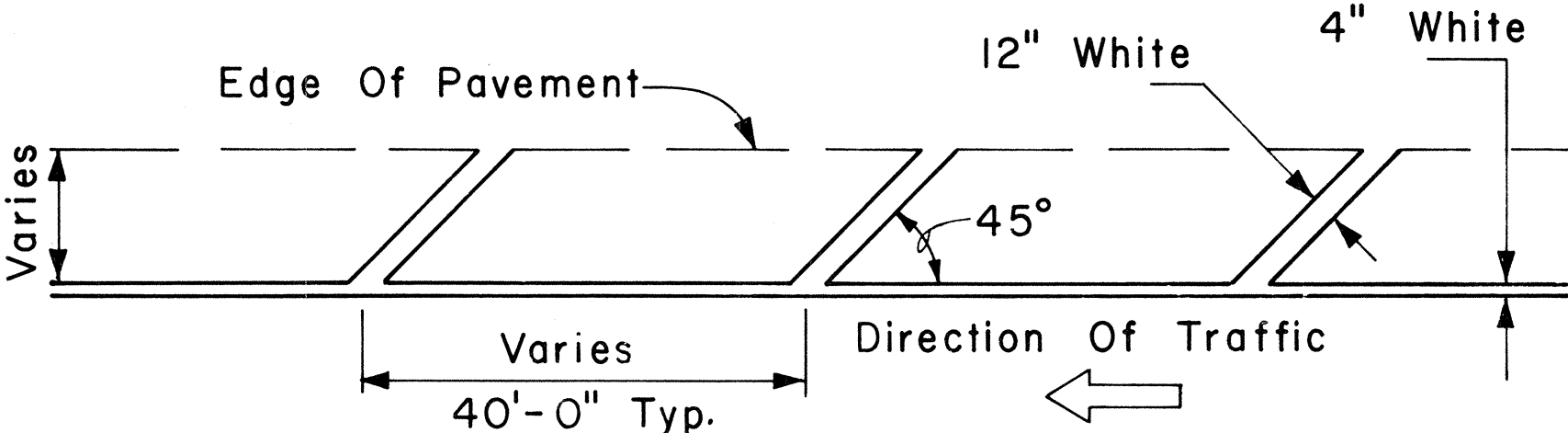
1. Pavement marking and striping shall conform to the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways," by the FHWA, and as amended.
2. Layout of pavement markings and striping shall be done by the Contractor. The Contractor shall check layout of markings and striping with the Engineer prior to performing work.
3. For additional pavement marking details, see sheet DT 300.



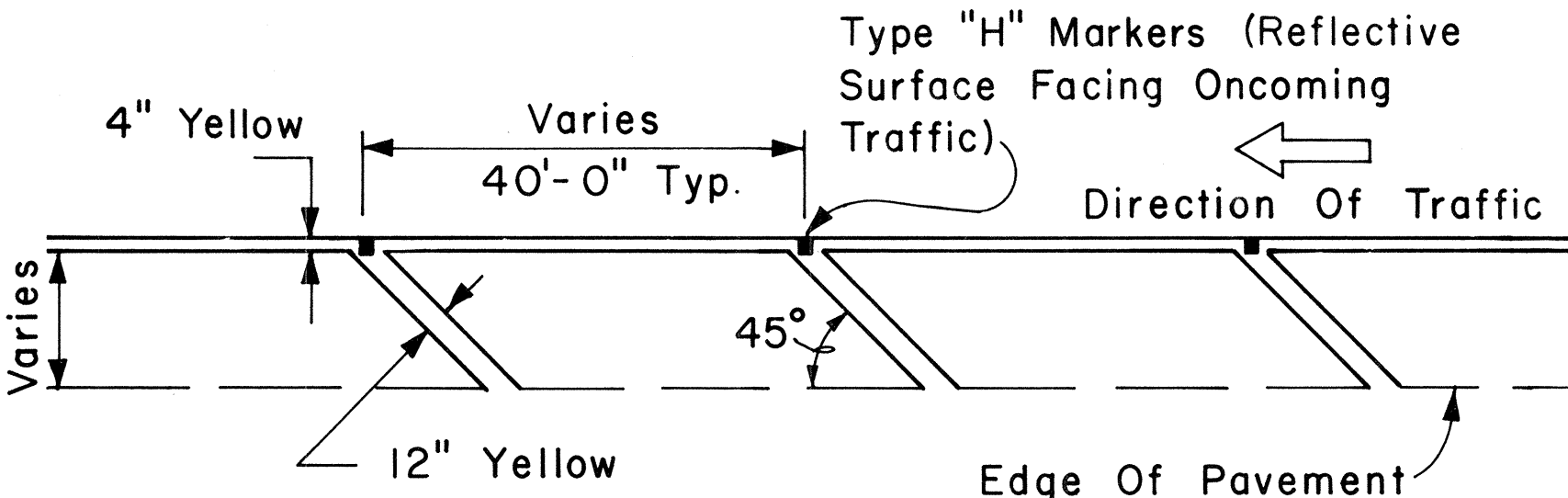
4" GUIDE LINE



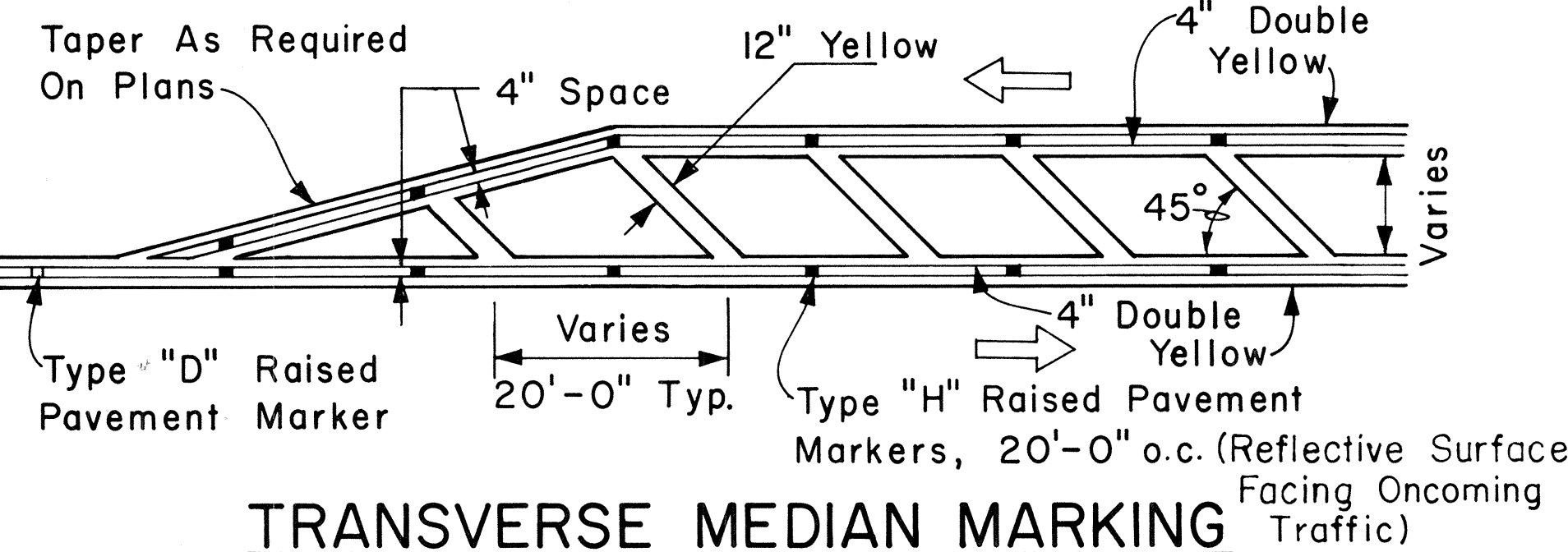
PAVEMENT DIAMOND



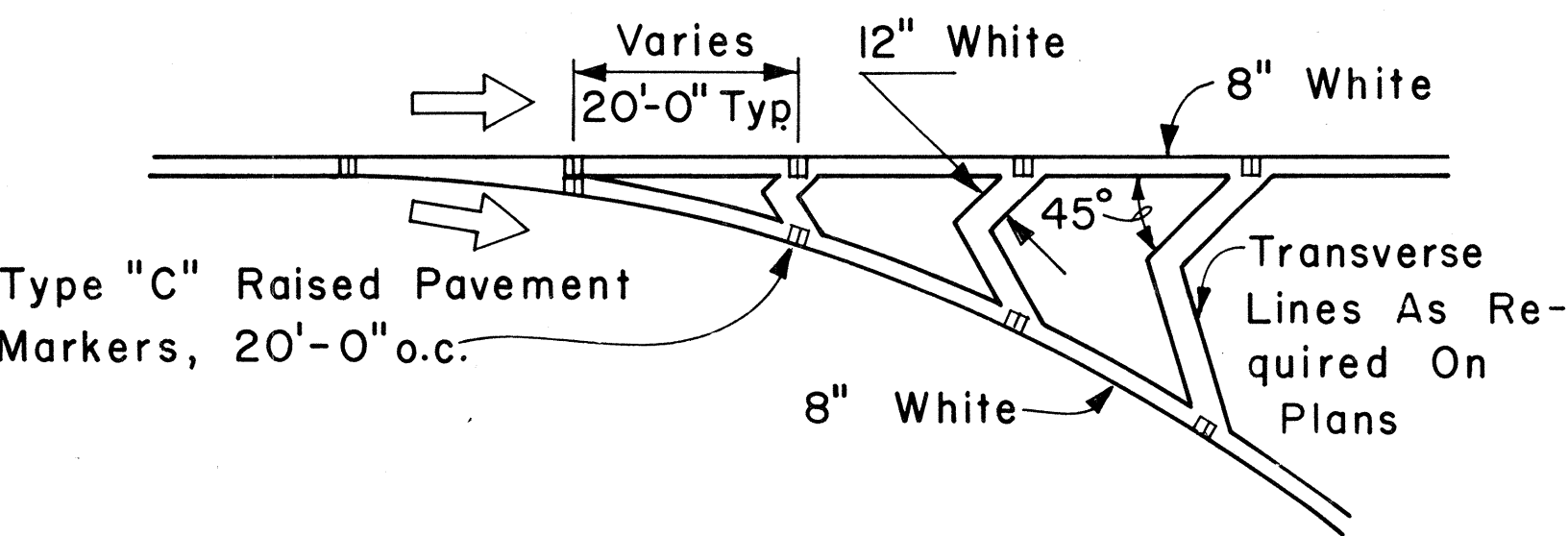
TRANSVERSE RIGHT SHOULDER MARKING



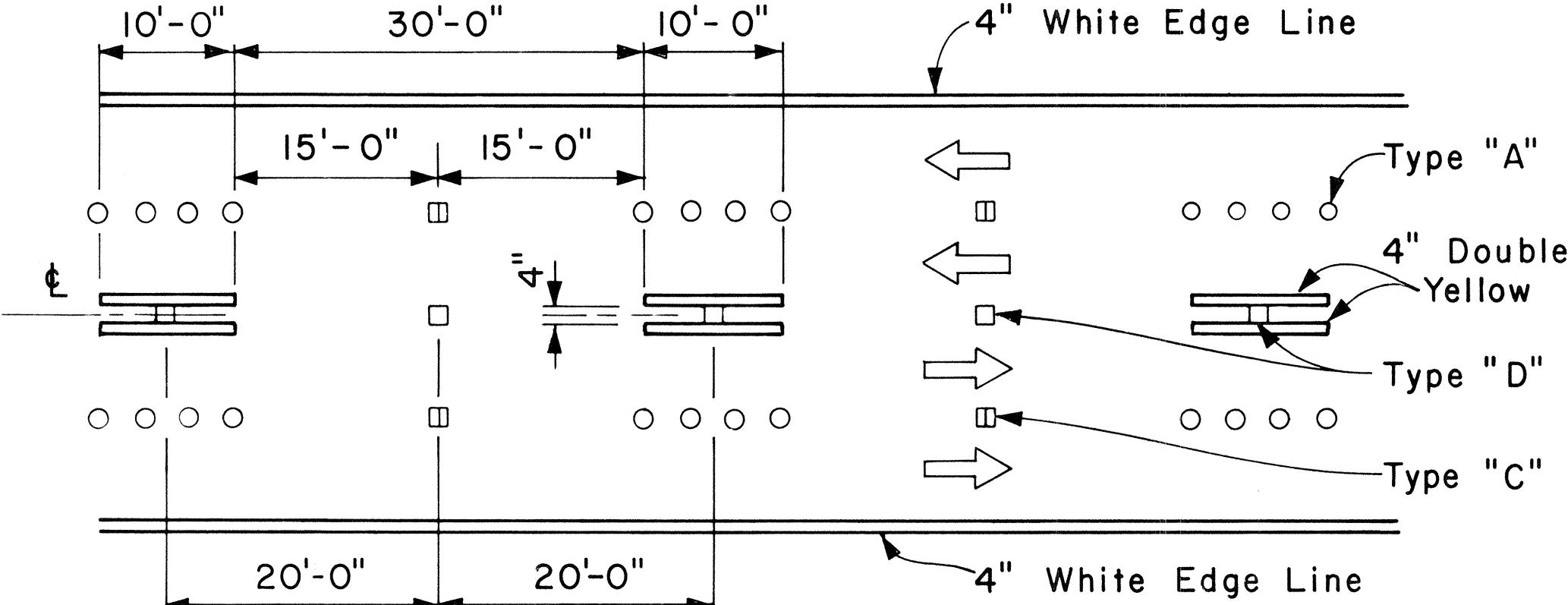
TRANSVERSE LEFT SHOULDER MARKING



TRANSVERSE MEDIAN MARKING

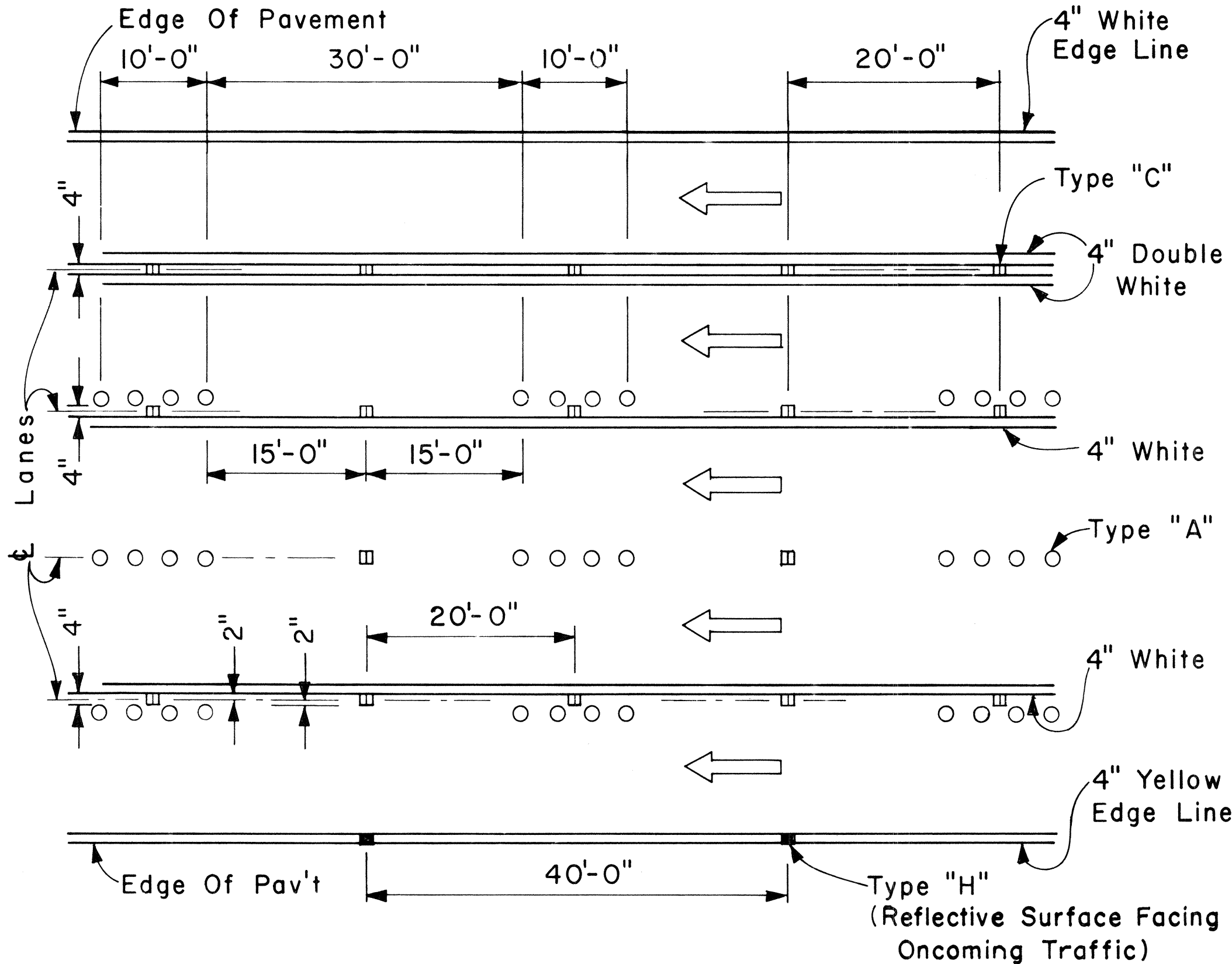


CHANNELIZING ISLAND



NOTE: Traffic Cone Usage Required.

MULTI-LANE REVERSIBLE LANES



MULTI-LANE LANE CHANGE RESTRICTION ZONES

APPROVAL RECOMMENDED: Eishi Tanaka 5/2/78
TRAFFIC ENGINEER DATE

APPROVED: Herbert S. Sakai 5/3/78
ASSISTANT CHIEF, ENGINEERING DATE

NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS

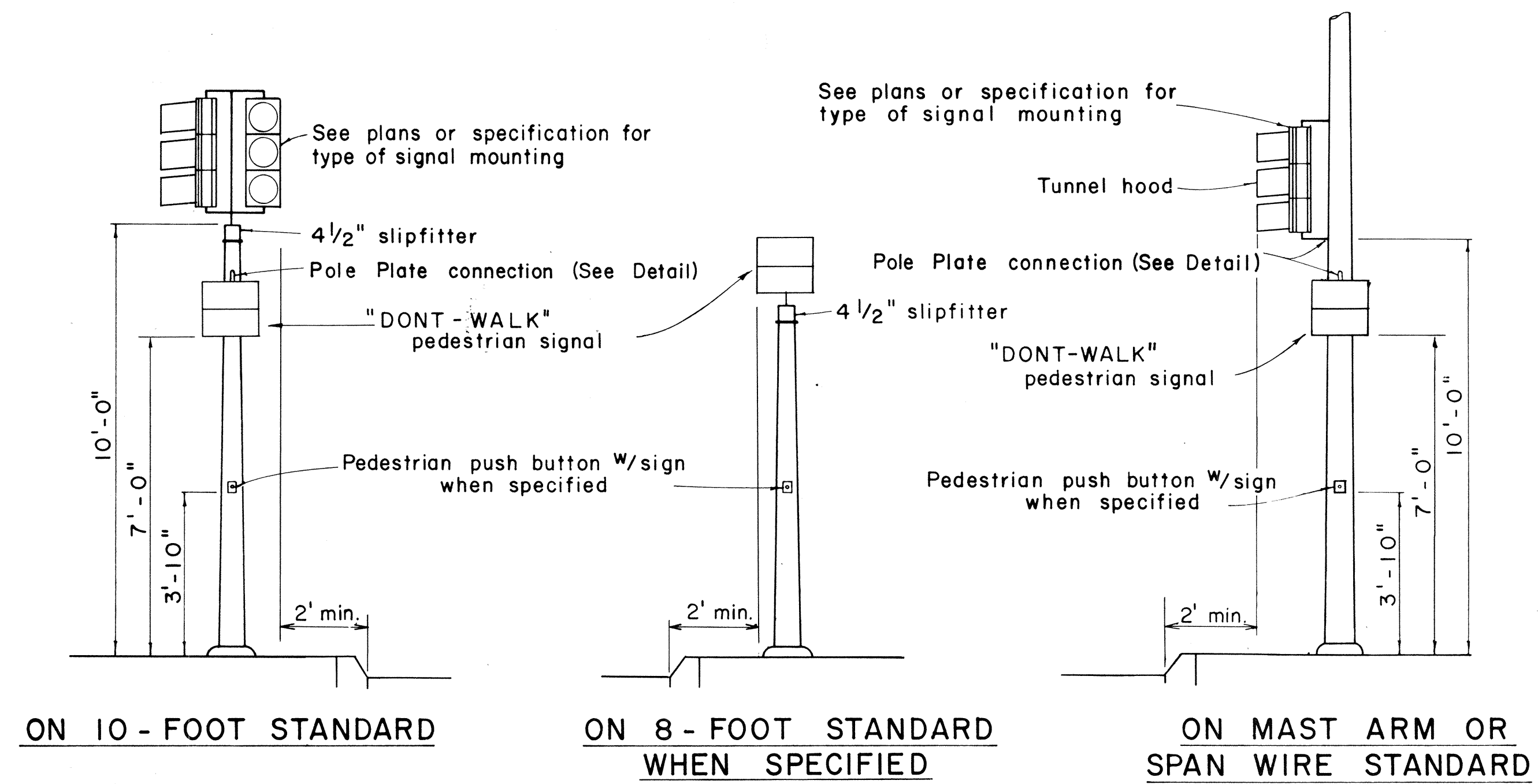
MISCELLANEOUS
PAVEMENT MARKINGS

Scale: Not to Scale Date: April, 1978

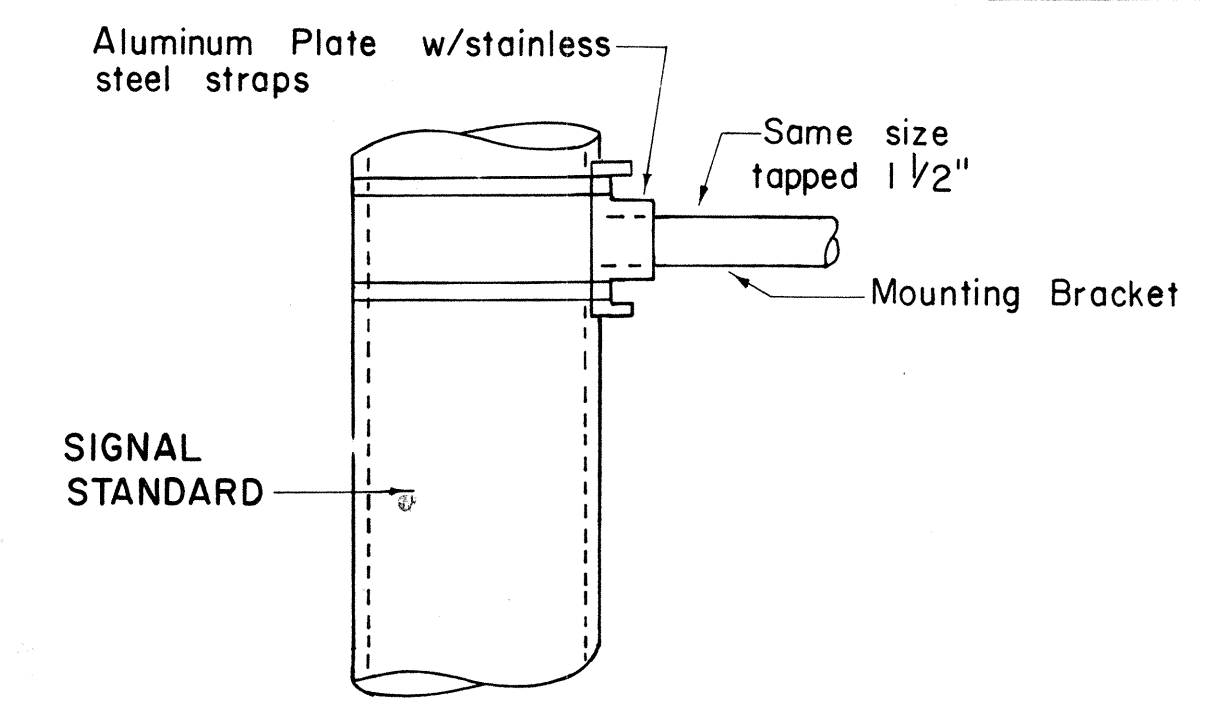
SHEET NO. 14 OF 19 SHEETS DT 302

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

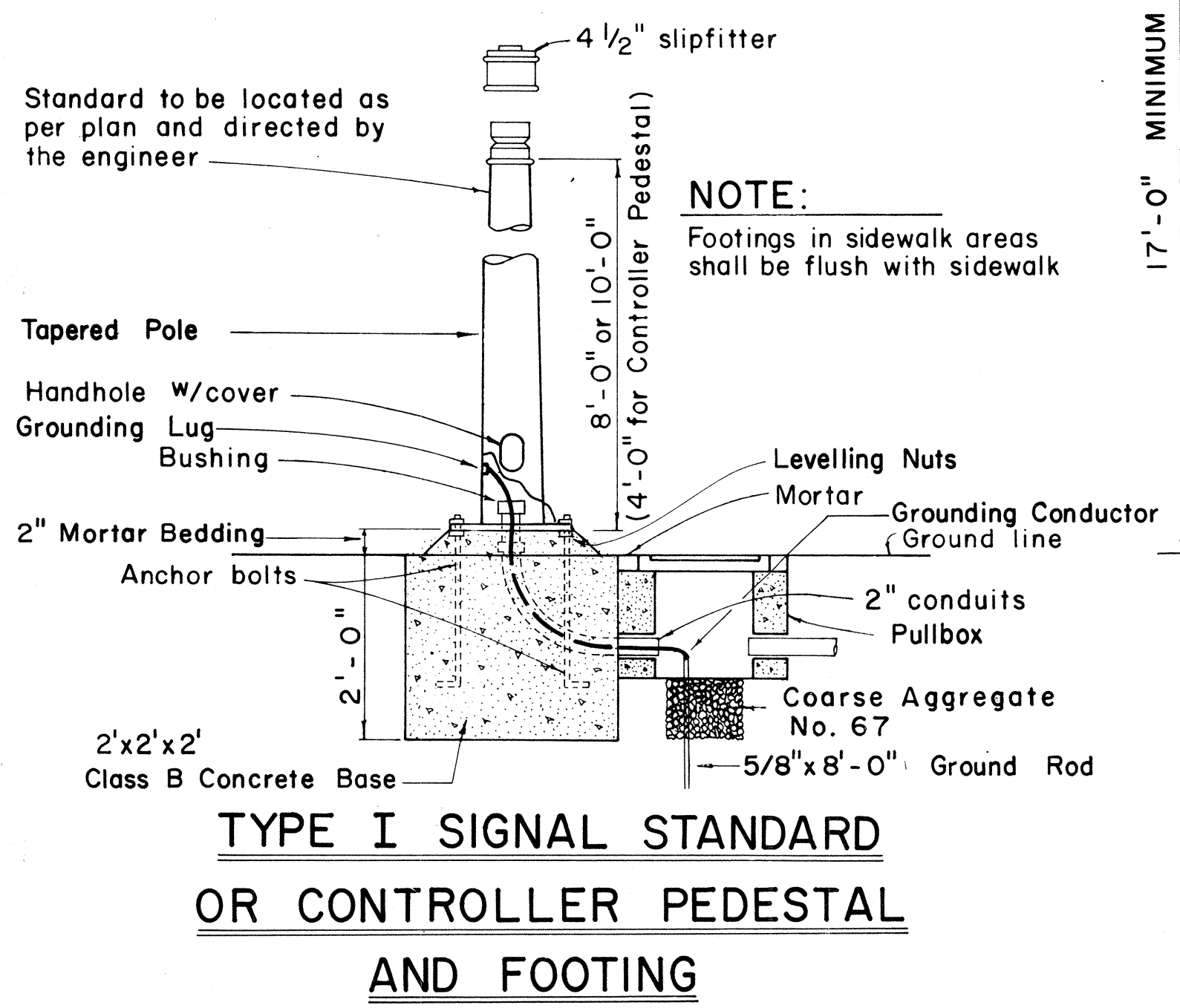
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99D-01-79	1980	16	19



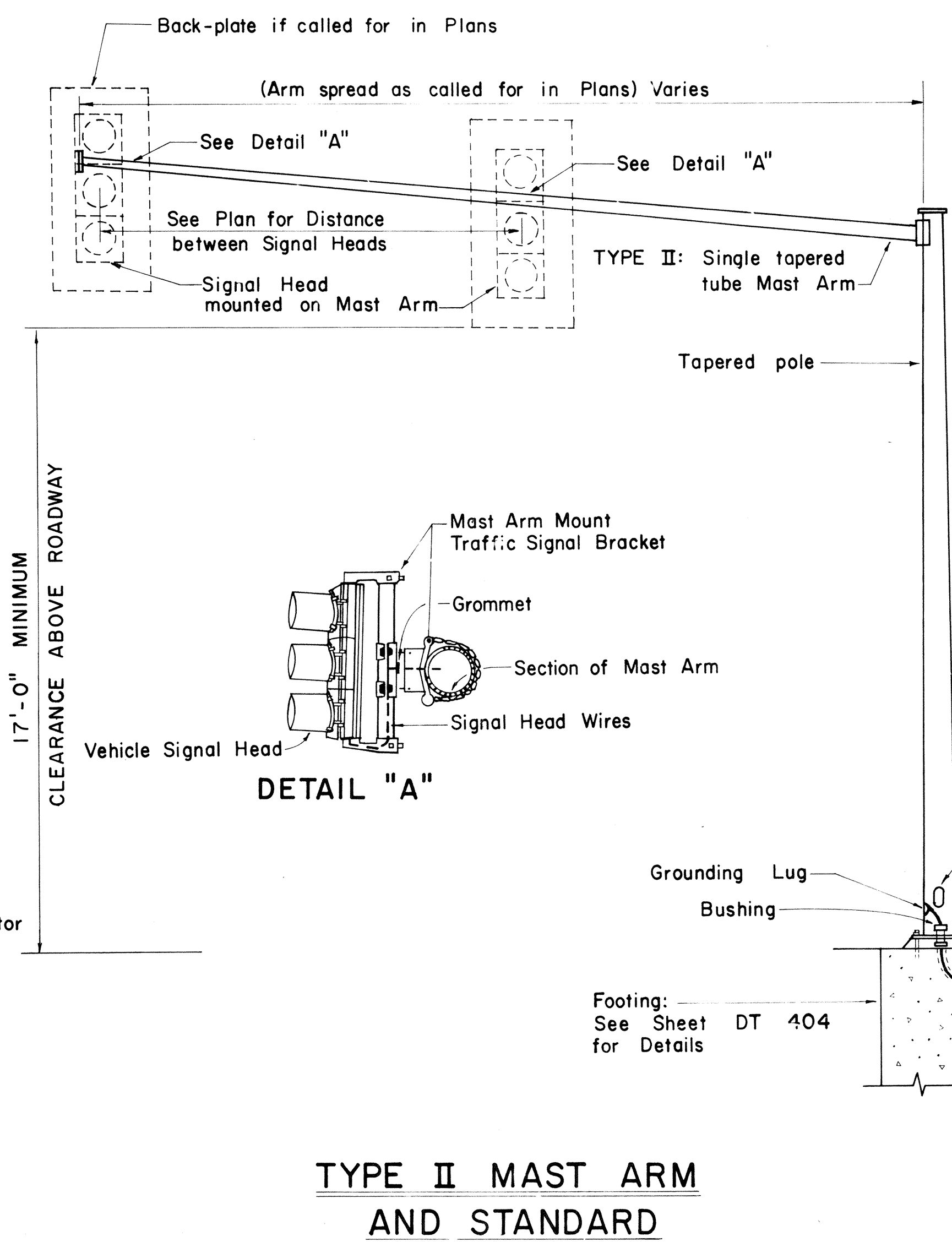
TYPICAL EQUIPMENT MOUNTINGS



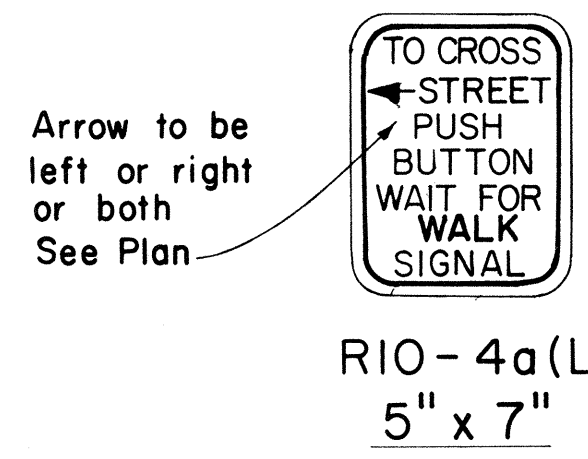
DETAIL OF POLE PLATE CONNECTIONS



TYPE I SIGNAL STANDARD OR CONTROLLER PEDESTAL AND FOOTING



TYPE II MAST ARM AND STANDARD

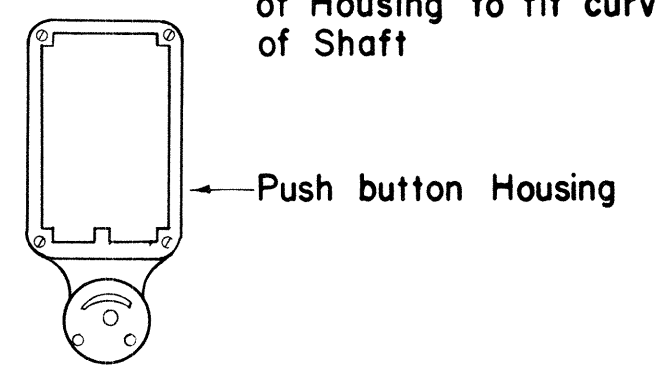


RIO-4a(L) 5" x 7"

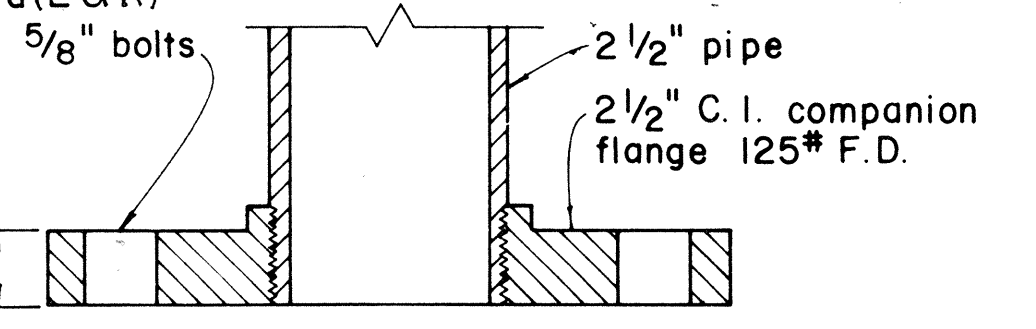
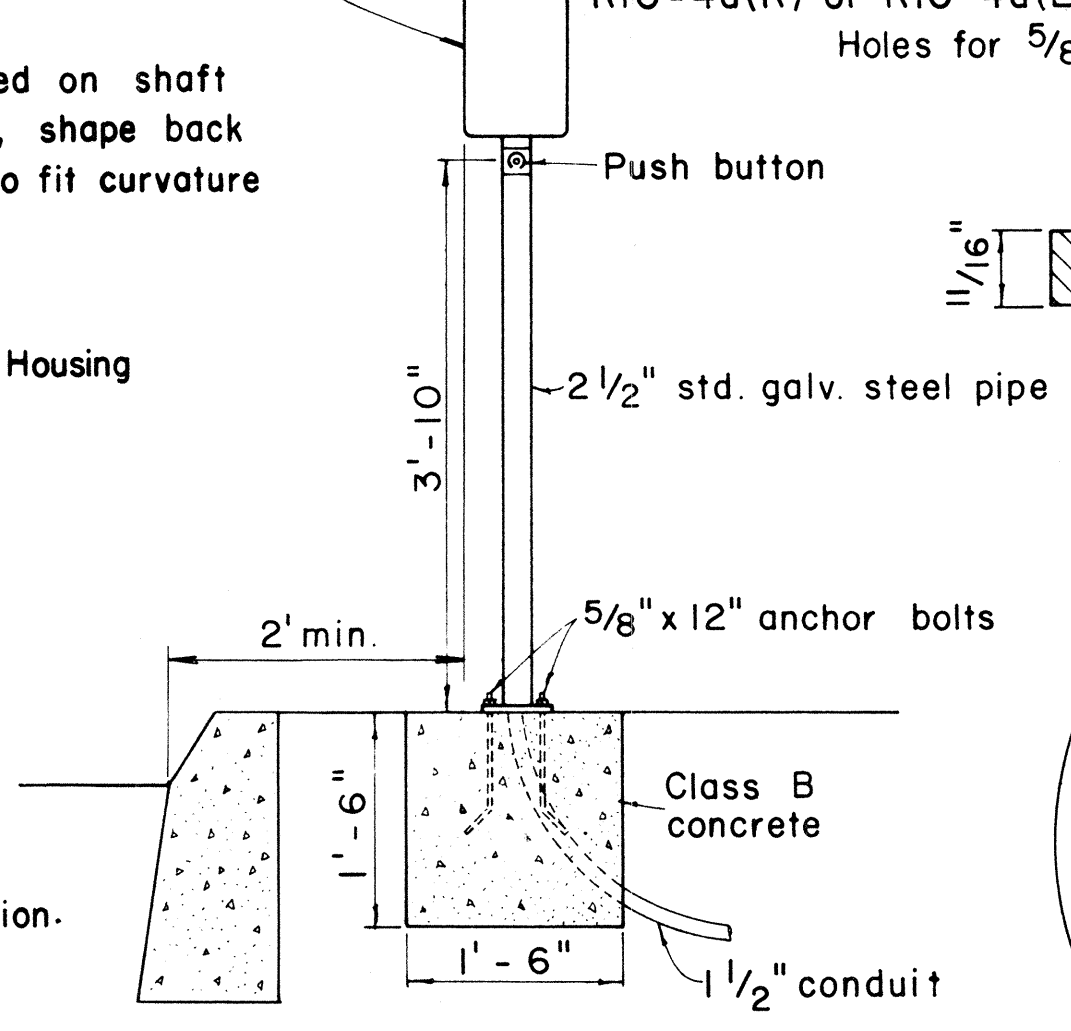
PEDESTRIAN PUSH BUTTON

- NOTE:
1. Conduits shall protrude 2" max. above finished surface of foundation.
 2. Conduits shall slope away from pole foundation.

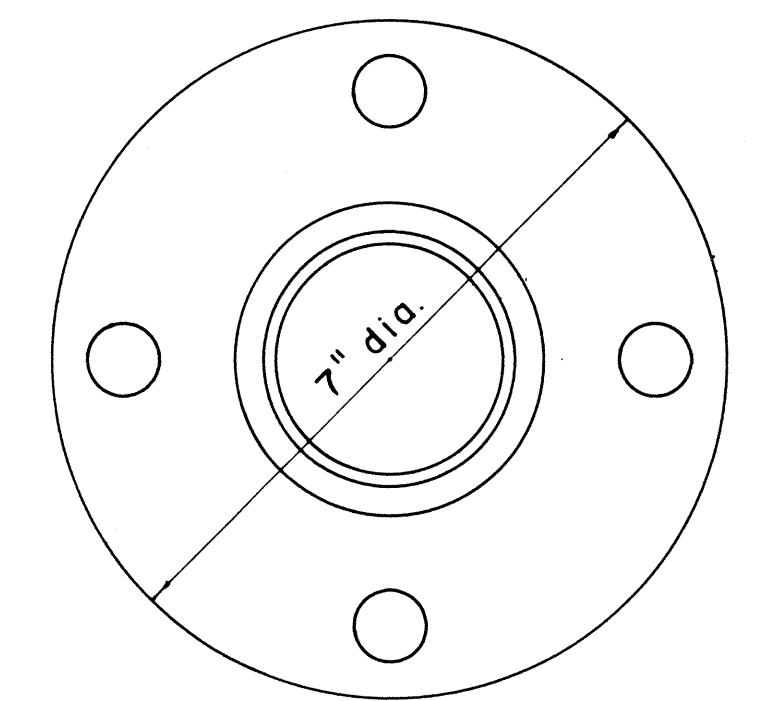
When mounted on shaft of Standard, shape back of Housing to fit curvature of Shaft



TRAFFIC SIGN AS SPECIFIED IN PLAN "TO CROSS STREET (ARROW) PUSH BUTTON WAIT FOR WALK SIGNAL", RIO-4a(L) RIO-4a(R) or RIO-4a(L & R)

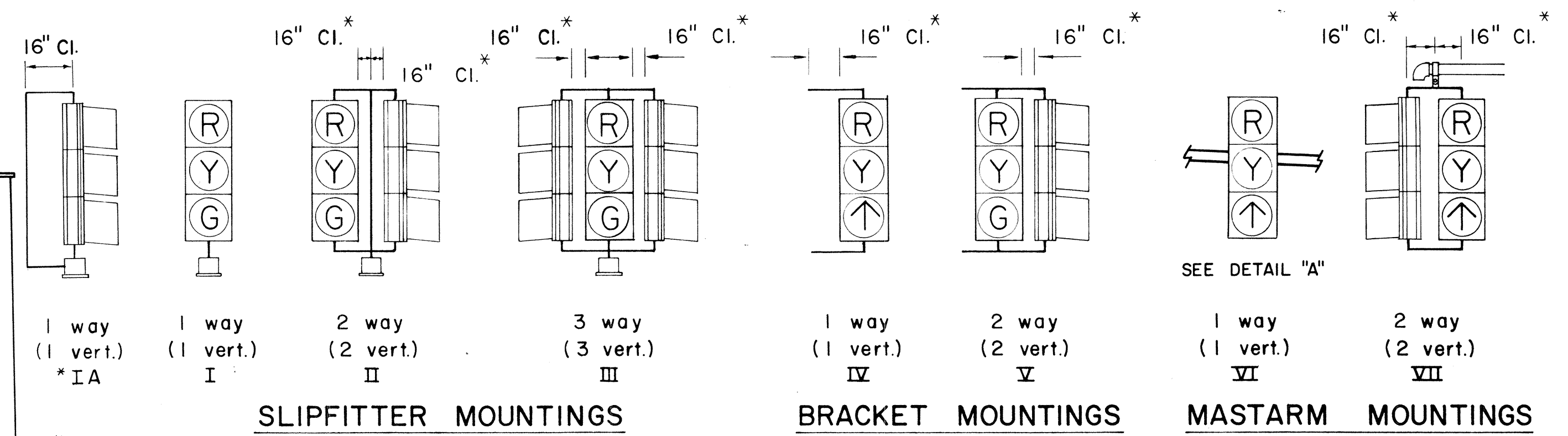


SECTION

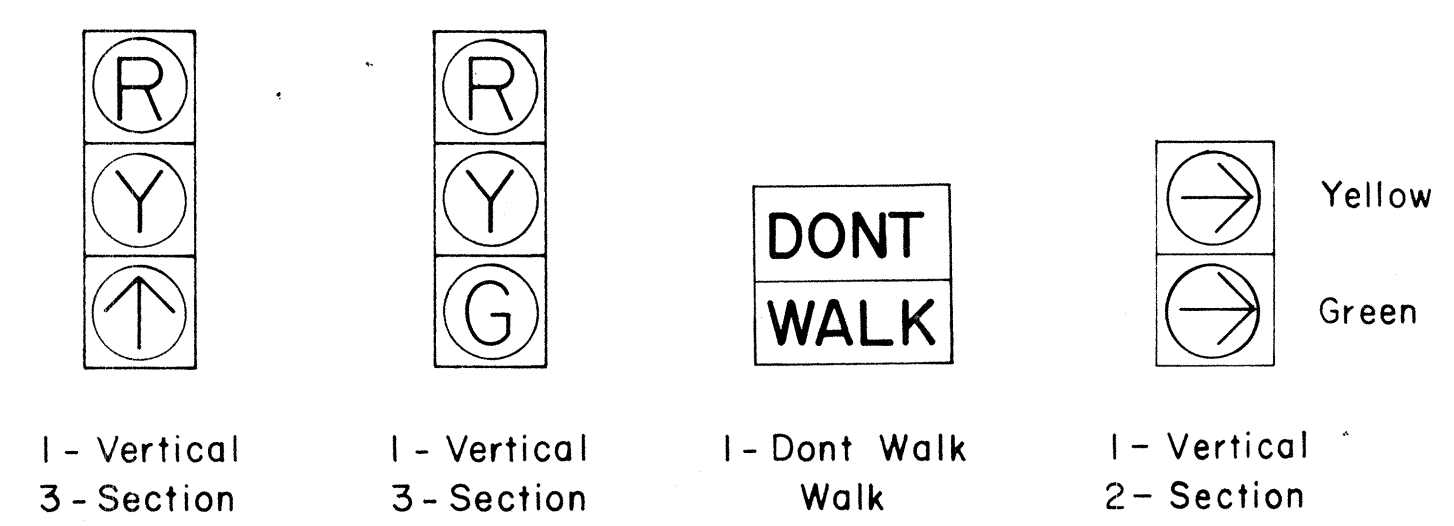


BASE DETAIL

PEDESTRIAN PUSH BUTTON POST AND FOOTING



TYPICAL VEHICULAR AND PEDESTRIAN SIGNAL MOUNTINGS



TYPICAL SIGNAL ARRANGEMENTS

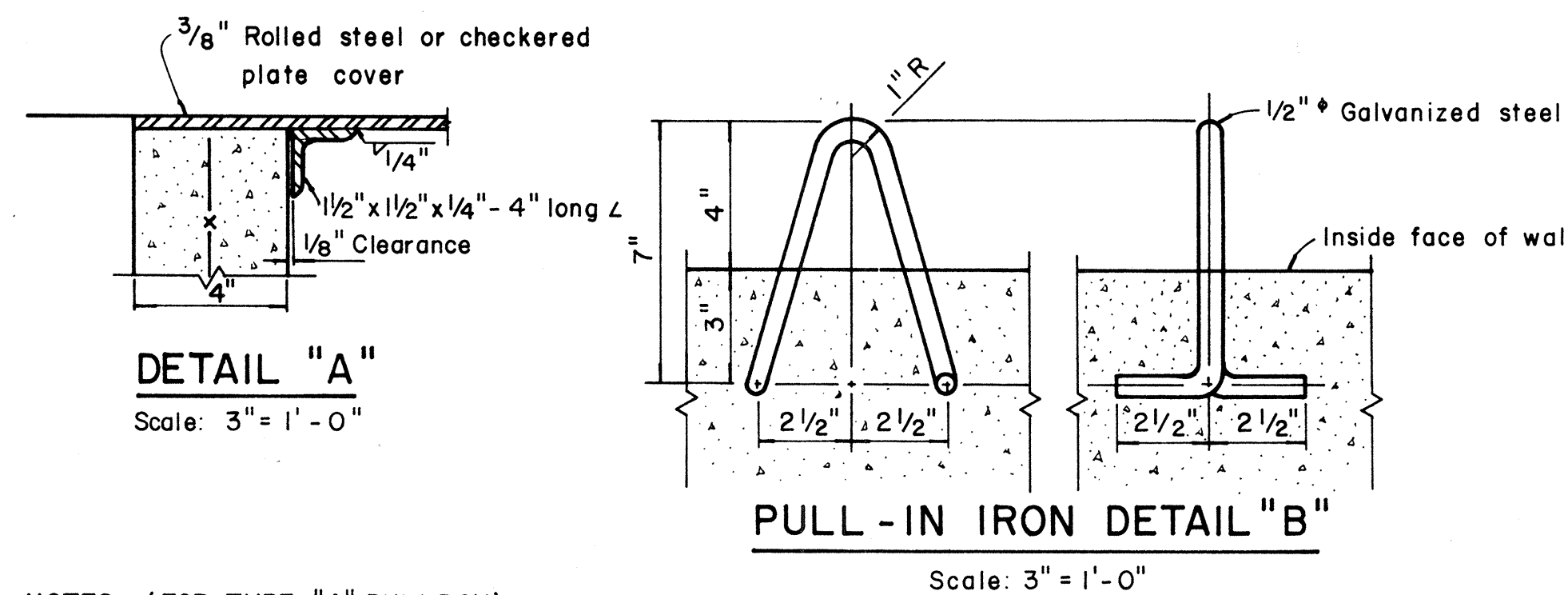
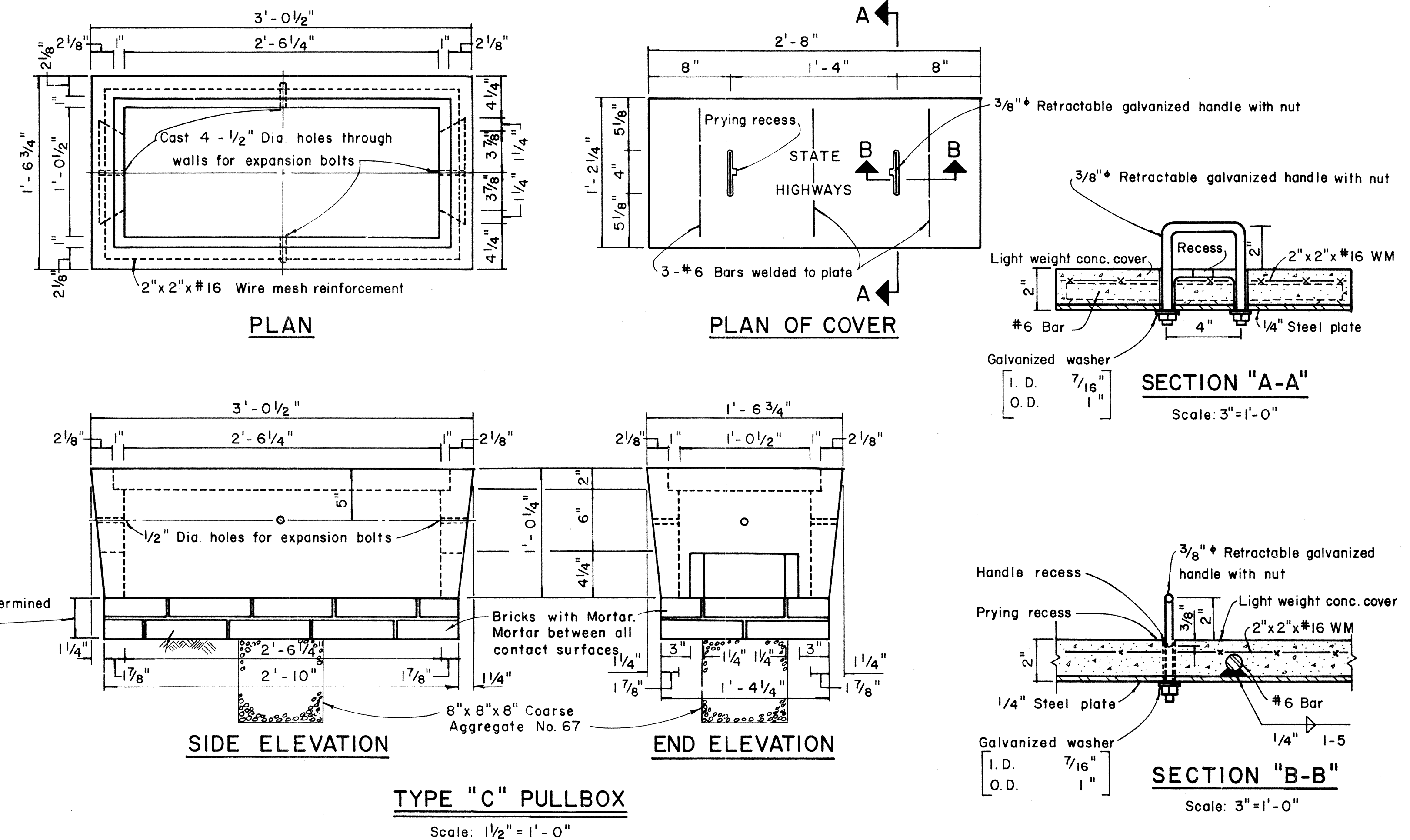
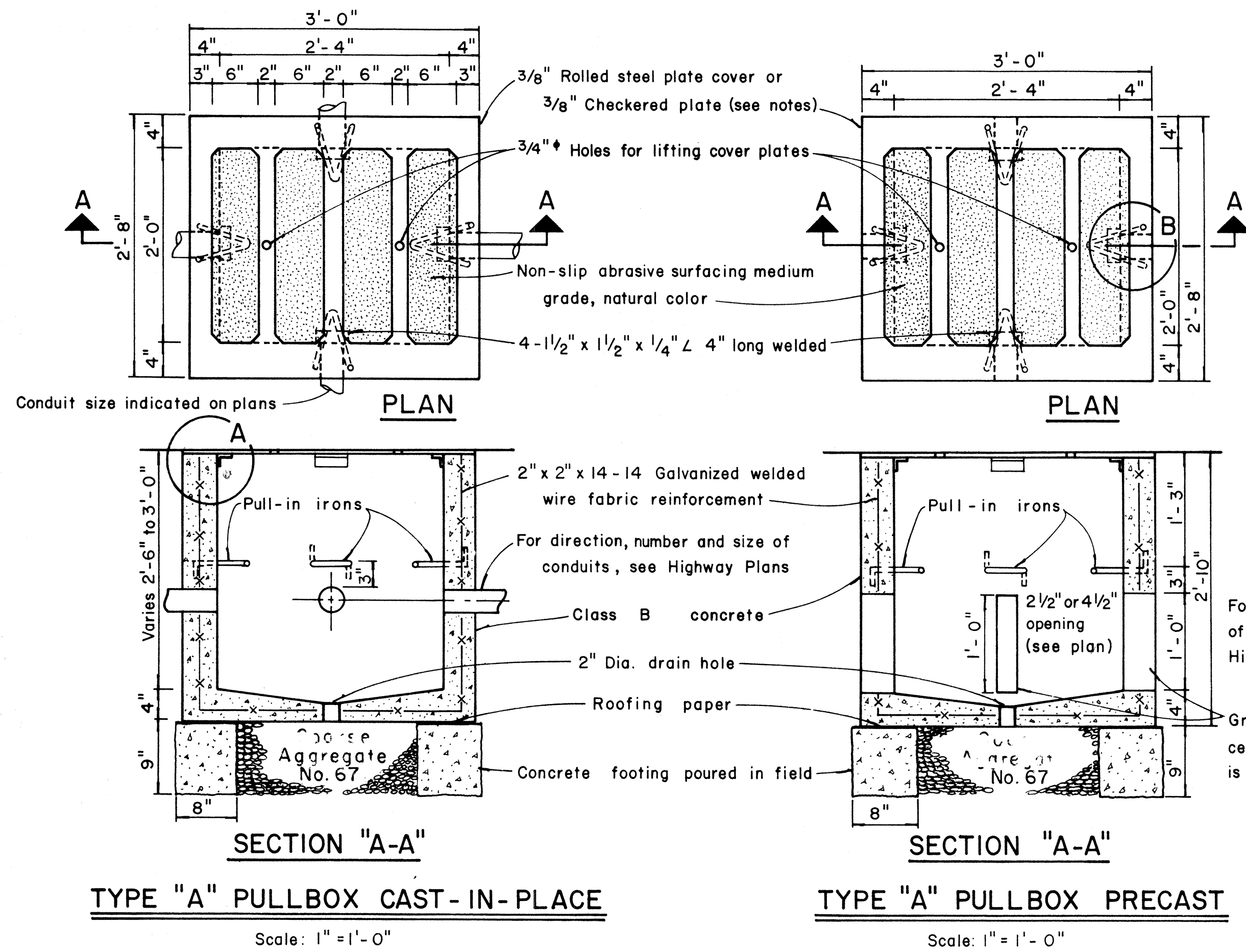
NO	REVISION	APPROVED BY	DATE
1	Revise code nos. for Pedestrian Push Button signs.	H.T.	3/23/72
2	Revise Details of Traffic and Pedestrian Signals, Standards and Pedestrian Push Button and Signs.	H.T.	3/5/72
3	Revise signal indications.	H.T.	9/22/72
4	Remove Note No. 3 & Revise clearance and dimension.	H.T.	9/19/77

APPROVAL RECOMMENDED:
Eichi Tanaka 12/29/69
 TRAFFIC ENGINEER DATE
John J. Sisti 12/30/69
 ASSISTANT CHIEF, ENGINEERING DATE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TRAFFIC SIGNAL SYSTEM
 MISCELLANEOUS DETAILS
 Not to Scale
 SHEET No. 16 OF 19 SHEETS DT 400

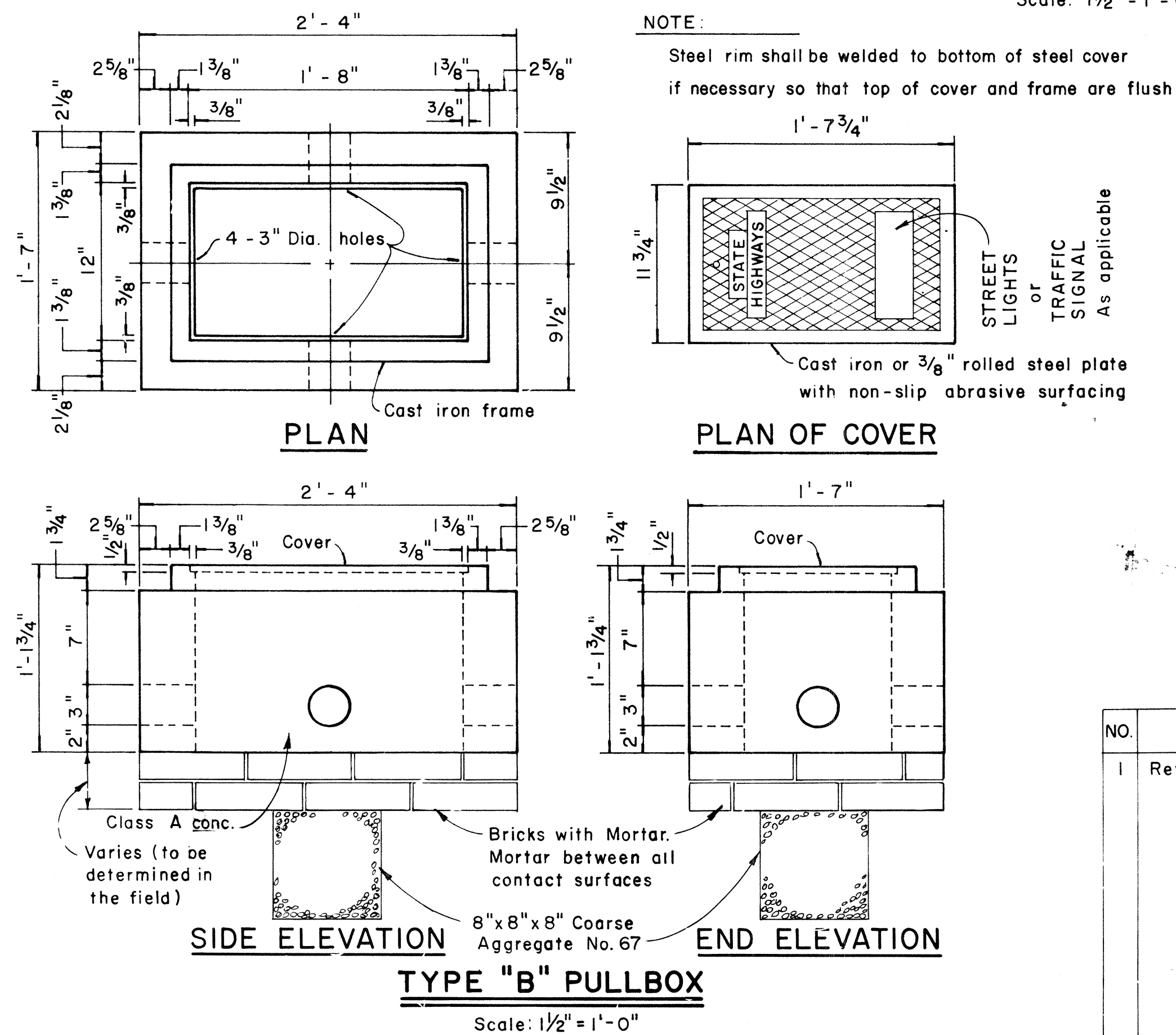
SURVEY PLOTTED BY: _____
 DATE: _____
 CHECKED BY: _____
 DESIGNED BY: _____
 NOTE BOOK: _____
 NO. _____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	990-01-79	1980	17	19



NOTES: (FOR TYPE "A" PULLBOX)

1. 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. 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.



NOTE:

Steel rim shall be welded to bottom of steel cover
if necessary so that top of cover and frame are flush

1' - 7 ³/₄"

STREET LIGHTS
or
TRAFFIC SIGNAL
As applicable

Cast iron or ³/₈" rolled steel plate
with non-slip abrasive surfacing

PLAN OF COVER

NO.	REVISION	APPROVED BY	DATE
1	Revised Type B & C Pullbox details	H.T.	3-5-78

APPROVAL RECOMMENDED: *Enoch Banda* 12/69
TRAFFIC ENGINEER DATE

APPROVED: *Jim W. J. J.* 12-30-69
ASSISTANT CHIEF, ENGINEERING DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD DETAILS
PULLBOXES

Scale as noted Date

SHEET No. 17 OF 19 SHEETS DT 401

A diagram of a 3'-0" square slab. The slab is labeled "3'-0" square" at the top. It shows a central circular hole with a diameter of 12" and a 3" clearance from the slab edges. The slab is reinforced with #4 ties and "d" bars. The reinforcement is shown as a grid of circles and lines within the slab boundary.

Diagram illustrating the reinforcement details for a square column. The column is labeled "a" square. The core reinforcement is labeled "3'-0" square". The core contains "b" bars" (longitudinal bars) and is tied with "# 4 ties @ 12" (stirrups). A "2" cl." (clearance) is indicated between the core and the outer square. A dimension line indicates the "3'-0" square" size.

Diagram illustrating the construction details of a concrete pile foundation, showing the pile, reinforcement, and connection to the base.

Labels and dimensions:

- Fin. gr. (Finished grade)
- Size and length of anchor bolts and diameter of bolt vary. See manufacturer's literature.
- Form upper 6" of base.
- "d" bars
- #4 ties @ 12"
- Place conc. neat.
- To pullbox
- 2"-90° elbow
- "C" (Pile length)

Diagram illustrating the reinforcement details for a 12' x 12' key connection. The diagram shows a cross-section of the connection, including the key, the surrounding concrete, and the reinforcement bars.

Key dimensions and components labeled:

- Grounding type bushing
- Fin. gr. (Finish grade)
- Size and length of anchor bolts and diameter of bolt vary.
- See manufacturer's literature.
- "b" bars
- #4 ties @ 12"
- 2"-90° elbow
- To pullbox
- 12" x 12" key
- #4 @ 10", E.W.
- #4 @ 10", E.W.
- 2" cl. (Clearance)
- 3'-4" (Overall height)
- 1'-8" (Overall width)
- 3" cl. (Clearance)

MAST ARM LENGTH	"c"	"d" BARS
16' - 18'	5' - 0"	12 - [#] 6
20'	5' - 6"	12 - [#] 6
25'	6' - 0"	12 - [#] 6
30'	6' - 6"	12 - [#] 6
35'	7' - 0"	12 - [#] 8
40'	8' - 0"	12 - [#] 8

MAST ARM LENGTH	"a"	"b" BARS
16' - 18'	5' - 0"	12 - #6
20'	5' - 6"	12 - #6
25'	6' - 0"	12 - #6
30'	6' - 6"	12 - #8
35'	6' - 6"	12 - #8
40'	7' - 0"	12 - #8

[illegible]

Diagram illustrating the construction of a Class B concrete enclosure for conduits and ground rods. The enclosure is shown as a concrete structure with a height of 1'-6" and a top surface 1/2" above the existing ground level. The enclosure is labeled "Class B concrete".

Key components and labels:

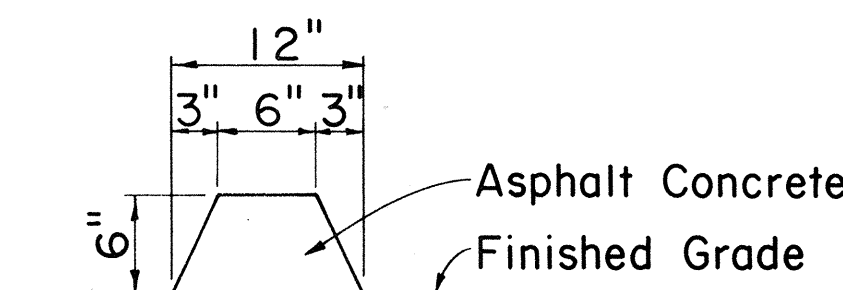
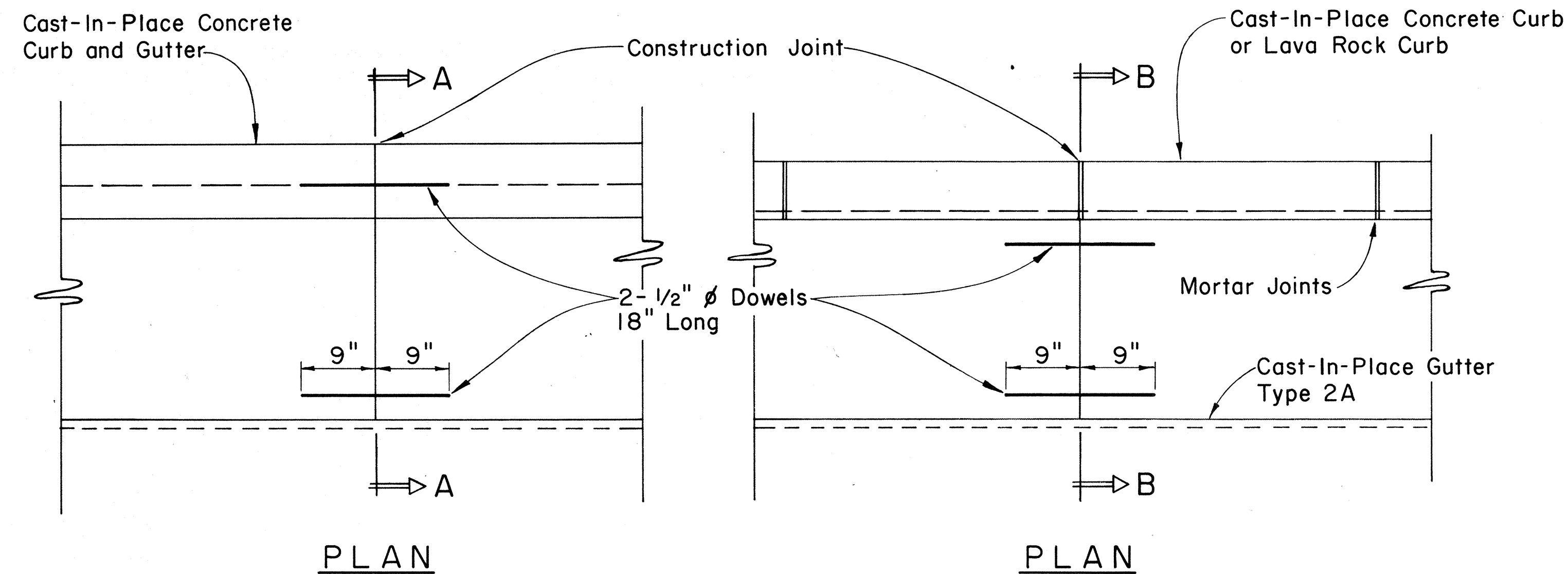
- Conduit extended above**: Points to the top of the conduit passing through the enclosure.
- Anchor Bolts to be furnished by Contractor**: Points to the bolts securing the enclosure to the existing ground.
- Top of Exist. grd.**: Indicates the existing ground level.
- Bushings**: Points to the bushings used to secure the conduit through the concrete.
- Class B concrete**: Labels the concrete enclosure.
- Conduits (for direction, size & No., see Plans)**: Points to the conduits entering the enclosure.
- Ground Rod 5/8" x 8'-0"**: Points to the ground rod passing through the enclosure.

Pedestal for Mast Arm Std.
 3'-3"
 2'-0"
 8'-0"
 30" RCP Class III
 #4 @ 10"
 #6 @ 7" Bot.
 Neat line pour (Typ. all sides & bot. of fig.)
 Pour Class D-1 Conc. in over excavated area. Place bond breaker bet. existing pipe & Conc. New ftg. site = 8'-0" x 6'-6" x 2'-0" deep.
 Scale: 3/8" = 1'-0"
 APPROVAL RECOMMENDED:

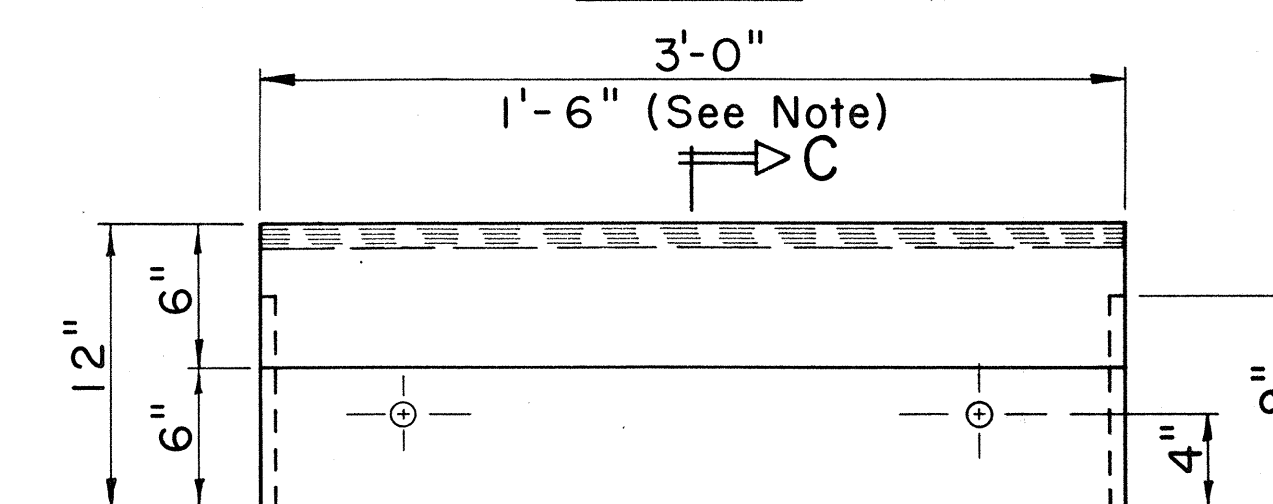
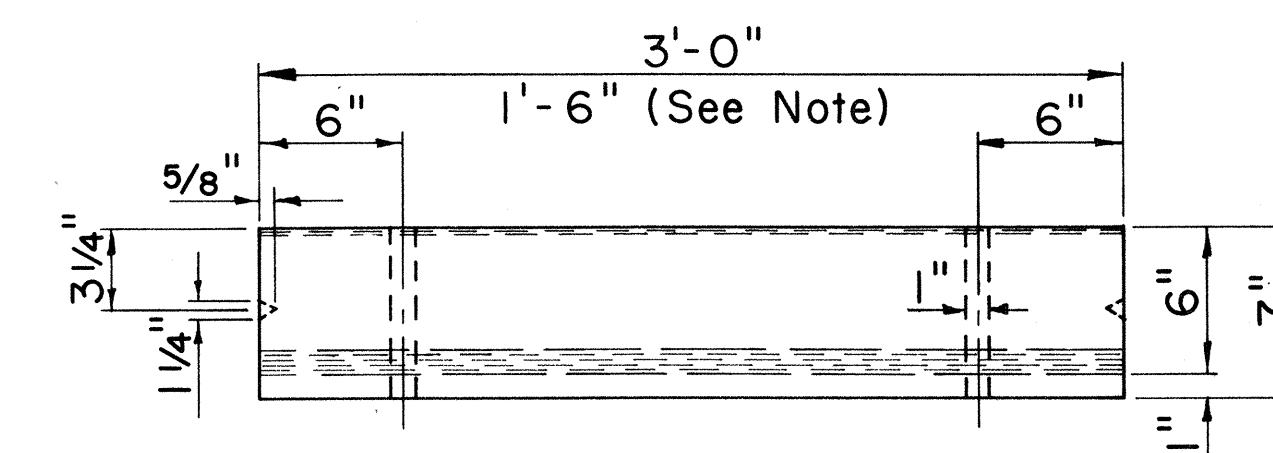
NO.	REVISION	APPROVED BY	DATE

SHEET No. 18 OF 19 SHEETS DT 404

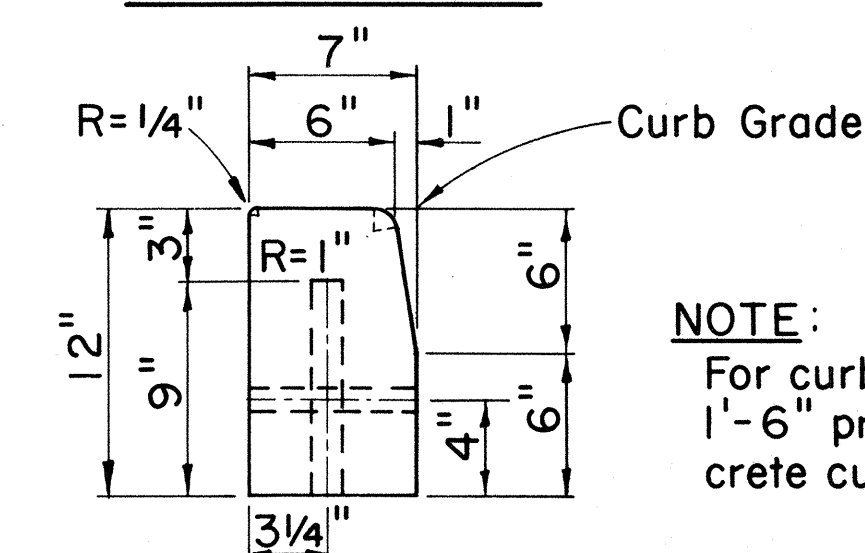
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99D-01-79	1980	19	19



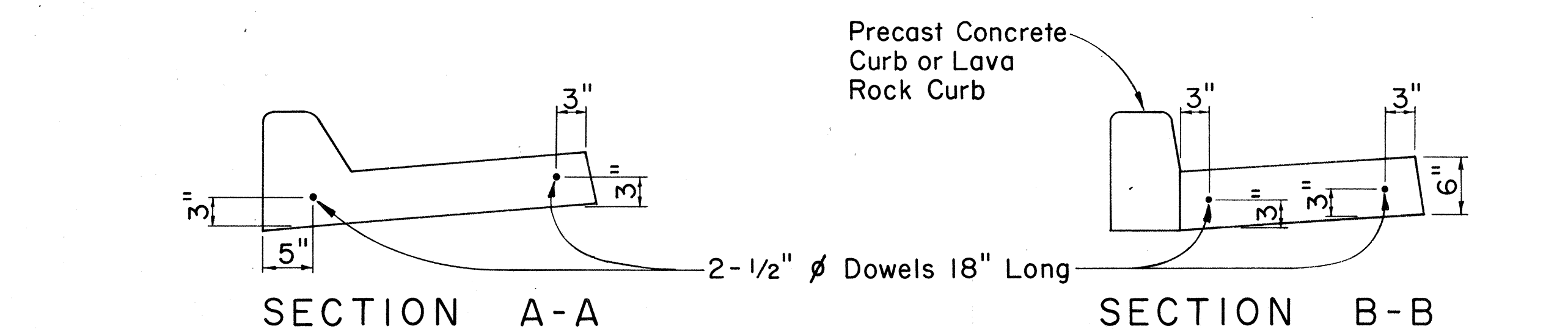
CURB, TYPE 6
BITUMINOUS CURB
 Scale: 1 1/2" = 1'-0"



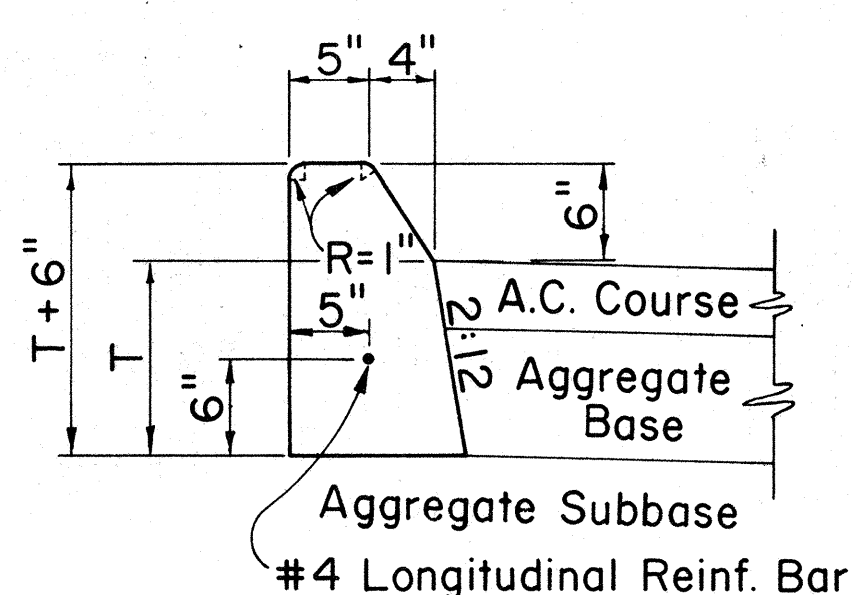
SECTION C-C
ELEVATION



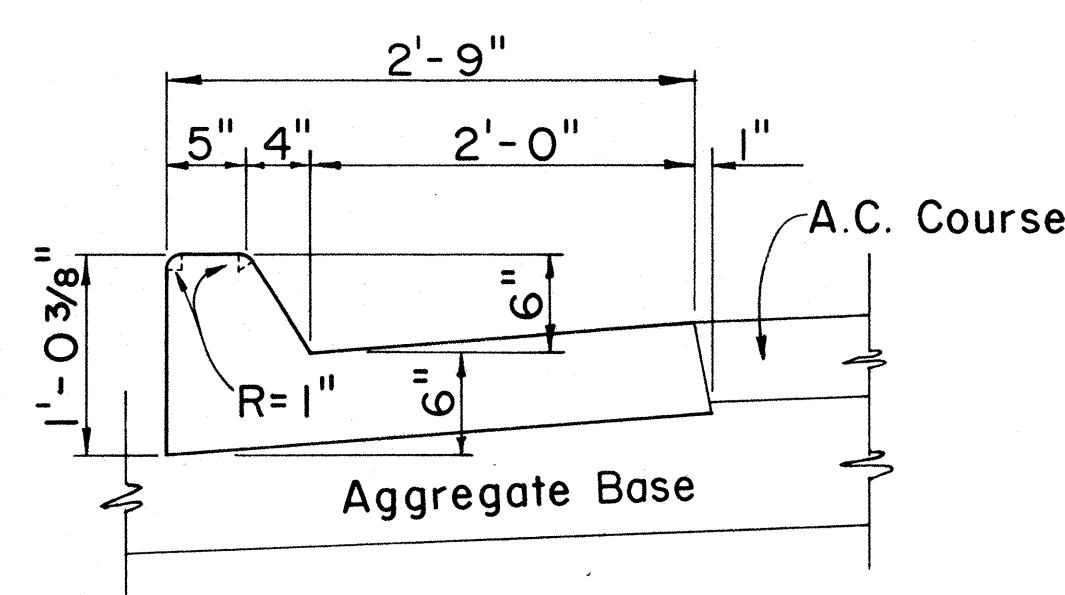
SECTION C-C
CURB, TYPE 3D
PRE-CAST CONC. CURB
 Scale: 1 1/2" = 1'-0"



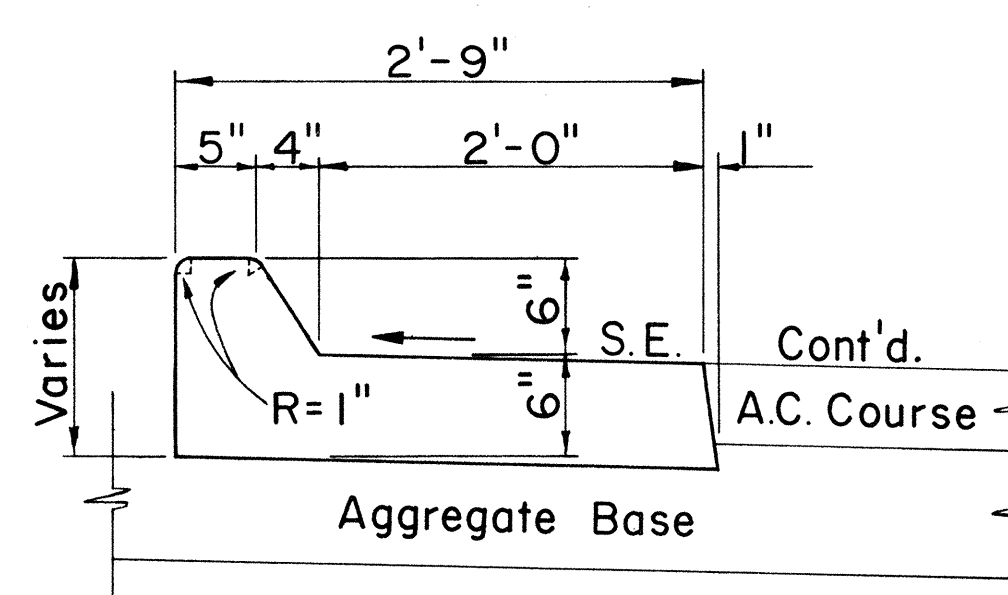
CAST-IN-PLACE CURB & GUTTER
CAST-IN-PLACE GUTTER
CONSTRUCTION JOINT DETAIL
 Scale: 1" = 1'-0"



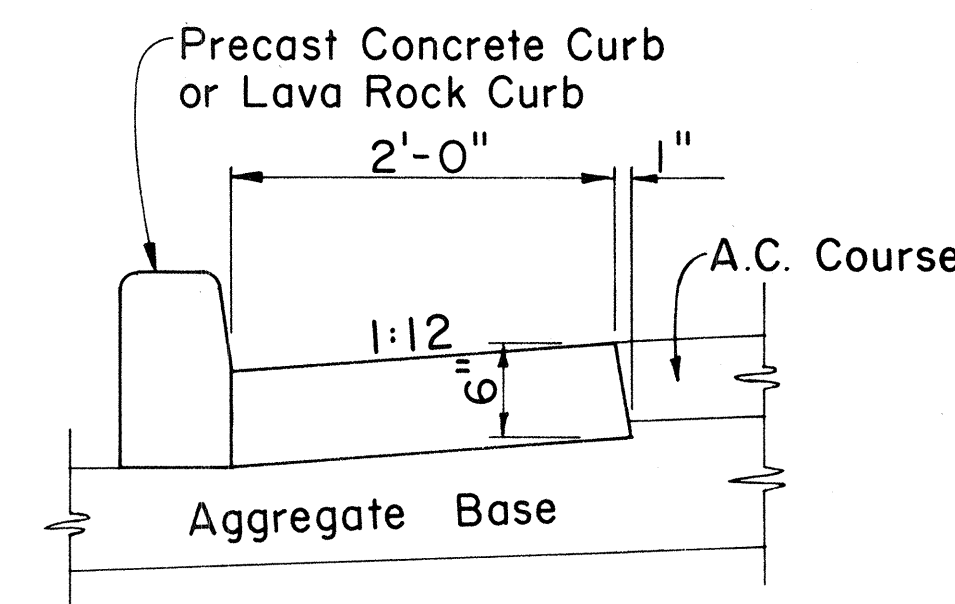
CURB, TYPE 2A



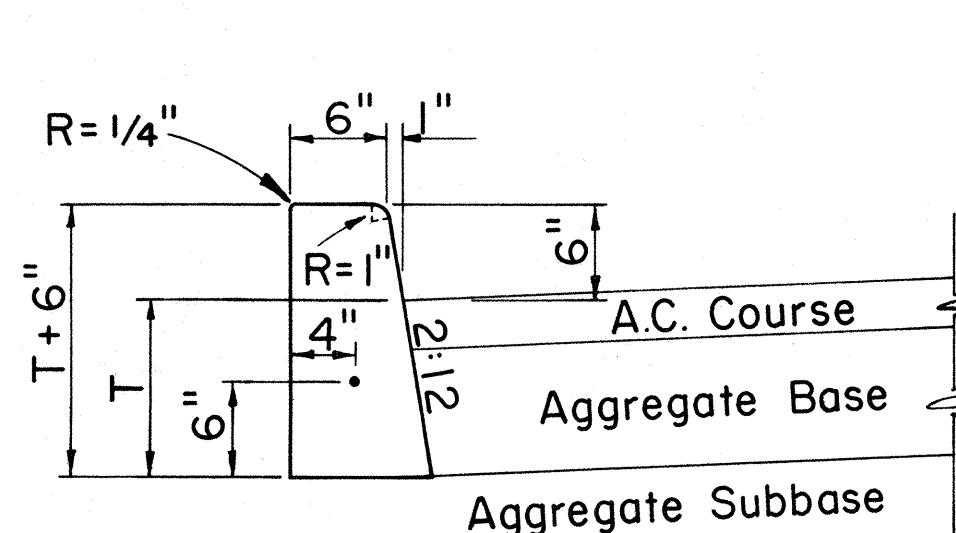
CURB & GUTTER, TYPE 2AG



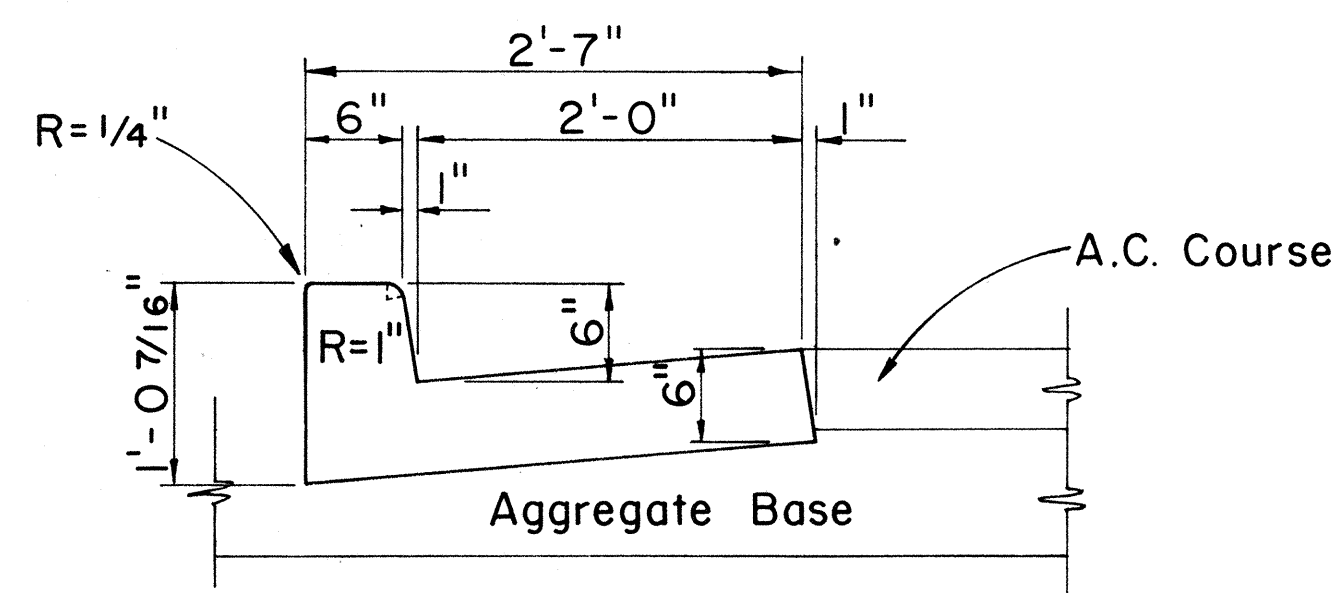
CURB & GUTTER, TYPE 2AGM



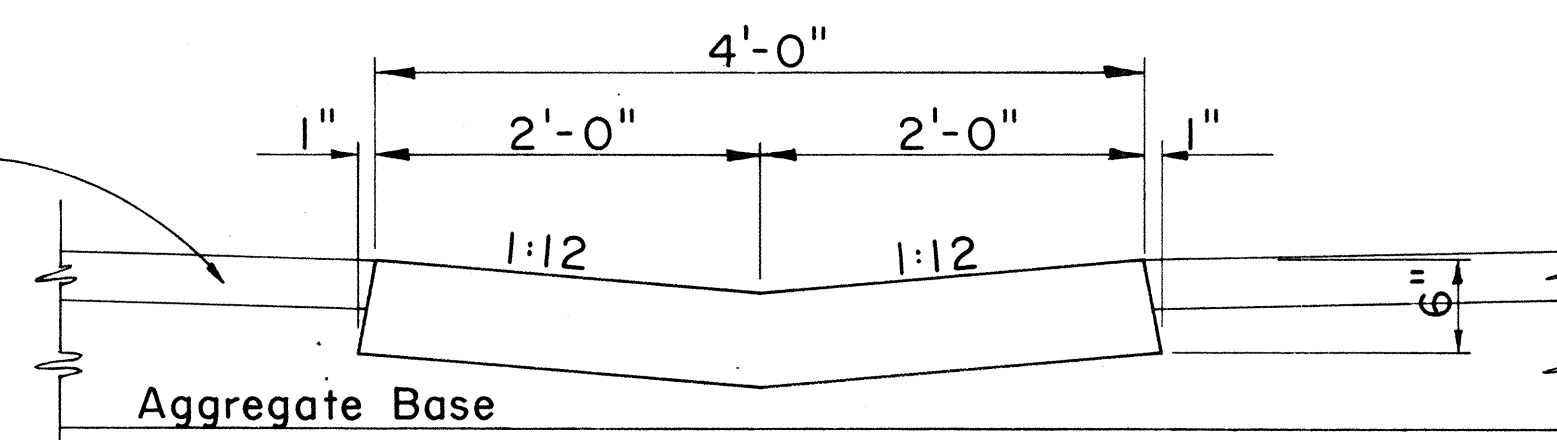
GUTTER, TYPE 2A



CURB, TYPE 2D



CURB & GUTTER, TYPE 2DG



GUTTER, TYPE 2G

CAST-IN-PLACE CONCRETE CURBS AND/OR GUTTERS
 Scale: 1" = 1'-0"

APPROVAL RECOMMENDED:
 HIGHWAY DESIGN ENGINEER
 DATE: 12-4-69

APPROVED:
 ASSISTANT CHIEF, ENGINEERING
 DATE: 12-10-69

NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
STANDARD DETAILS
TYPICAL DETAILS OF CURB
AND/OR GUTTERS
 Scale: As Shown
 SHEET No. 19 OF 19 SHEETS DD 609.1

ORIGINAL	DATE
PLAN	
DESIGNED BY	
NOTED BY	
CHECKED BY	