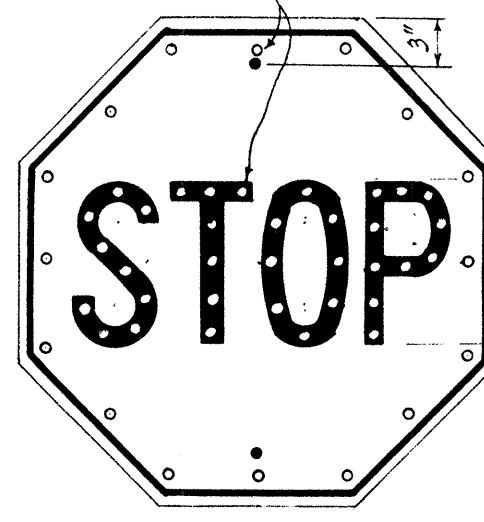
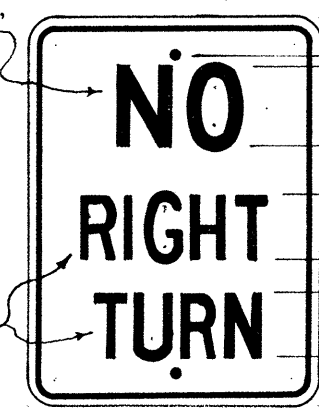


Black Letters on
 "Highway Yellow" Background
 White Reflectors



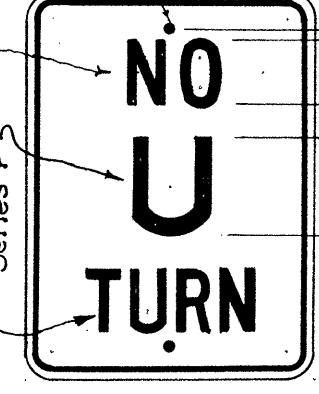
R-1
 30" x 30"

Black Letters on
 White Background



R-6
 18" x 24"

1/8" bolt hole

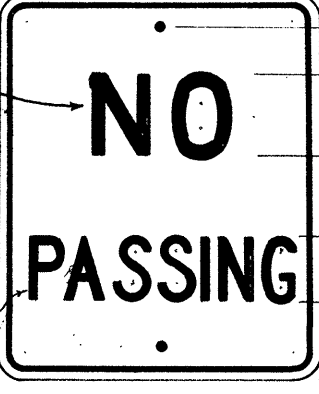


R-8
 18" x 24"

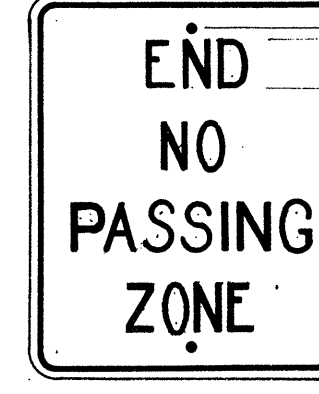


R-10
 12" x 18"

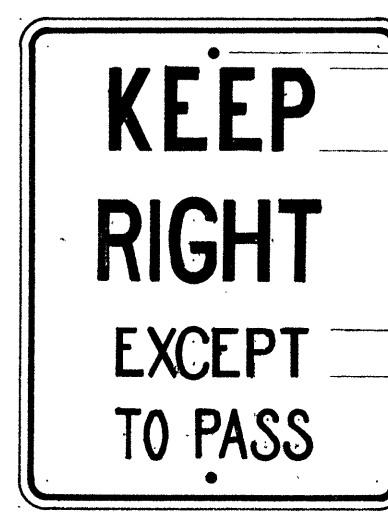
Series "D"



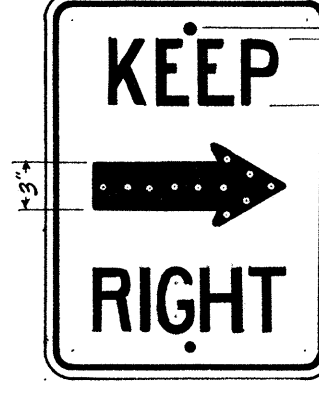
R-11
 20" x 24"



R-12
 20" x 24"



R-13
 24" x 30"



R-14
 18" x 24"



R-15
 24" x 24"

Black letters, White Arrow on
 Black Background, White Border
 and White Reflectors

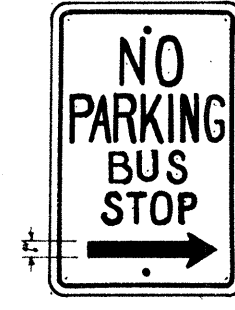


R-16-R
 *R-16-L
 36" x 12"

Red Letters & Border on
 White Background



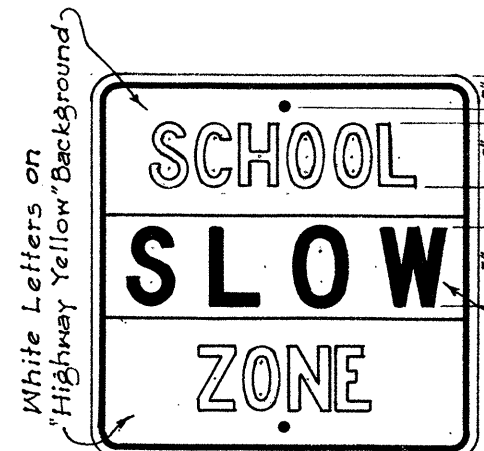
R-18
 12" x 18"



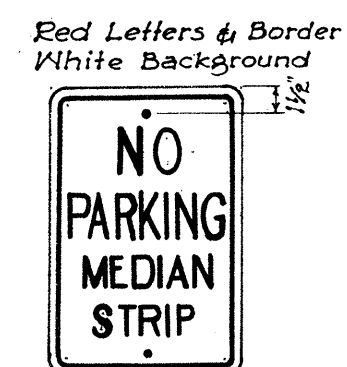
R-26
 12" x 18"



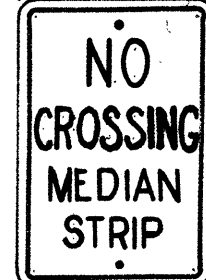
R-29
 24" x 30"



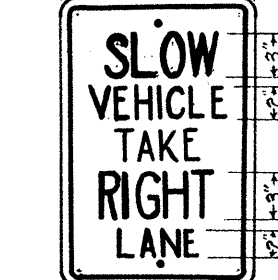
R-41-S
 24" x 24"



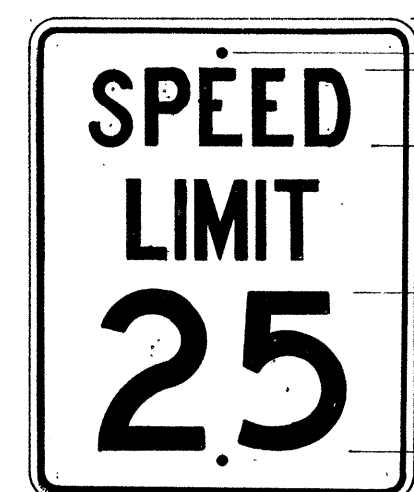
R-42-S
 12" x 18"



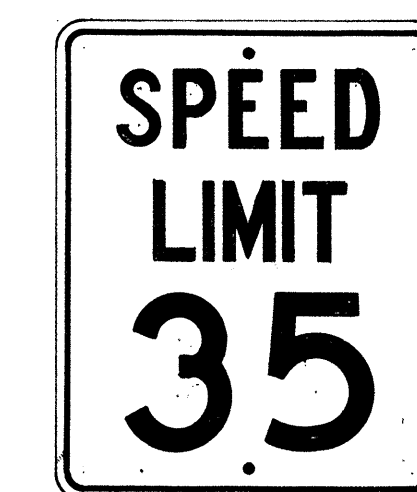
R-43-S
 12" x 18"



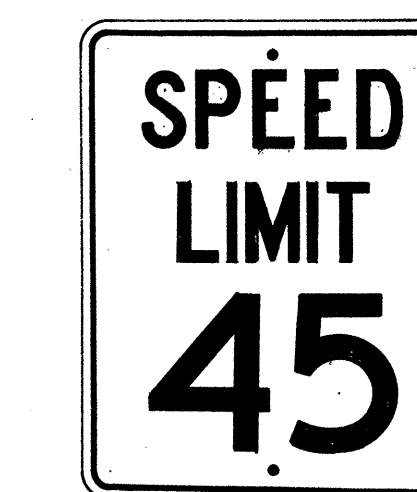
R-44-S
 12" x 18"



R-102-A
 24" x 30"



R-102-B
 24" x 30"



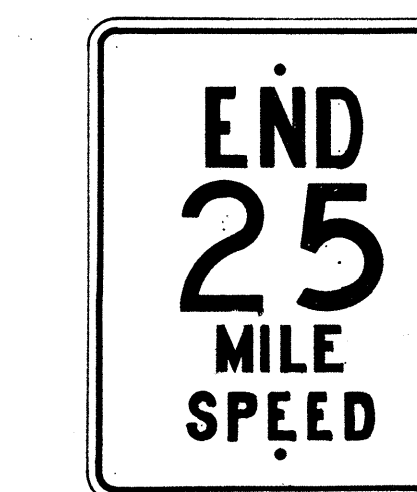
R-102-C
 24" x 30"



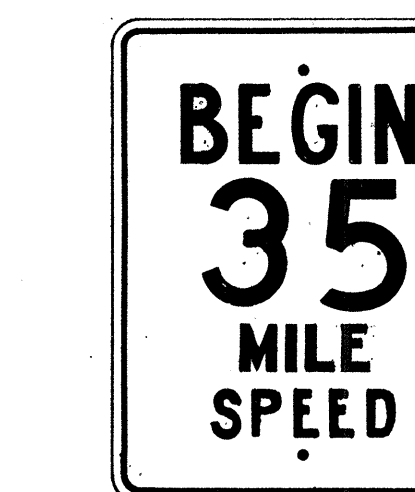
R-104
 24" x 30"



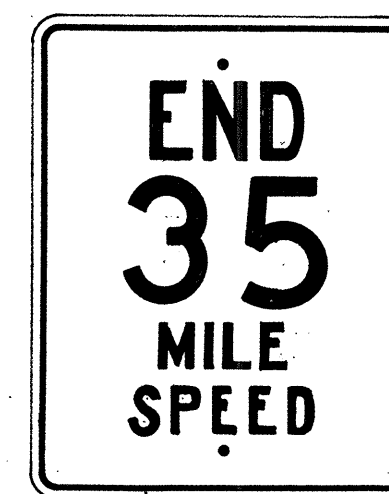
R-105-A
 24" x 30"



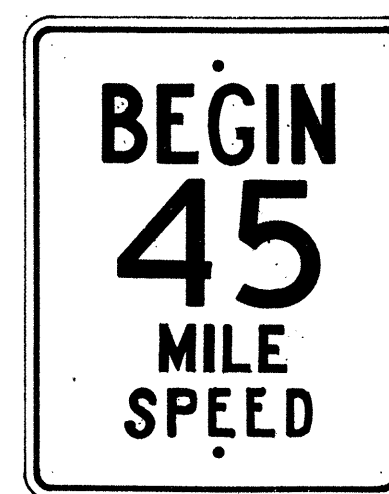
R-105-B
 24" x 30"



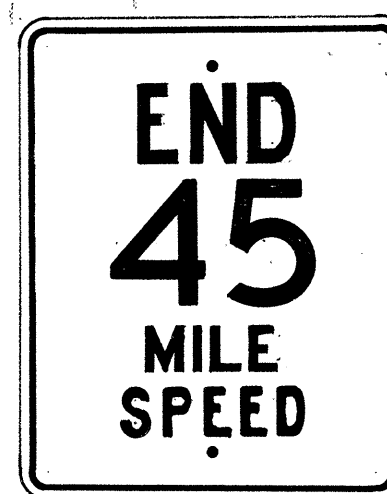
R-105-C
 24" x 30"



R-105-D
 24" x 30"



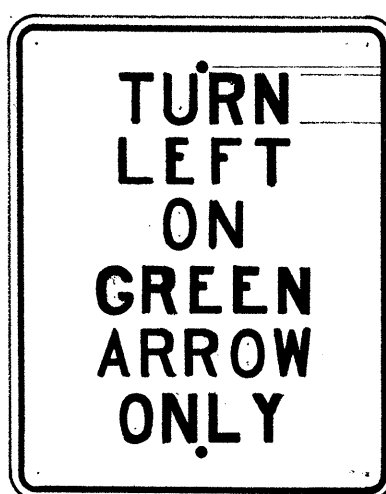
R-105-E
 24" x 30"



R-105-F
 24" x 30"



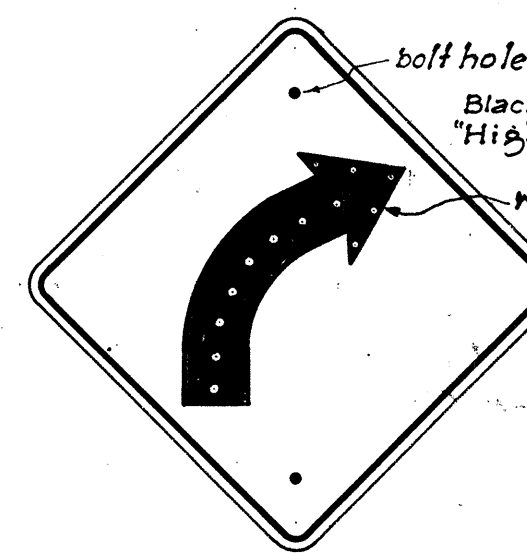
R-106
 24" x 30"



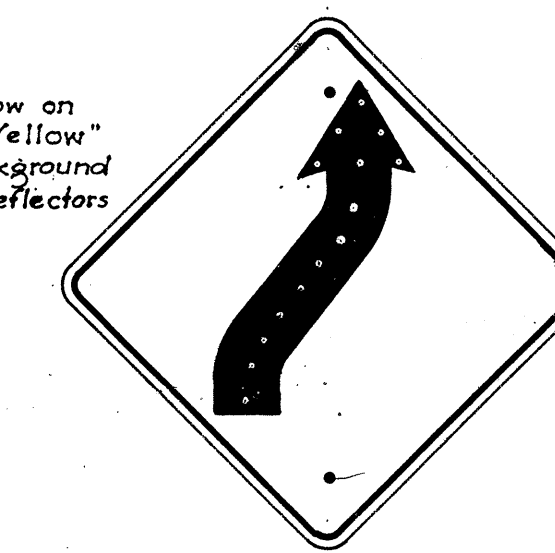
R-107-A
 24" x 30"



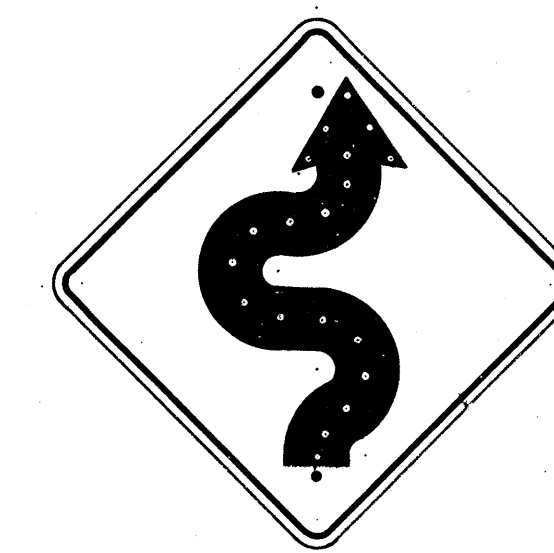
R-107
 14" x 9"



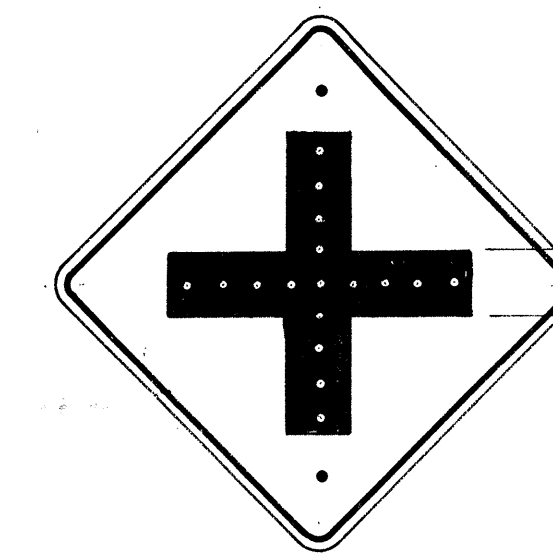
W-2-R
 *W-2-L
 24" x 24"



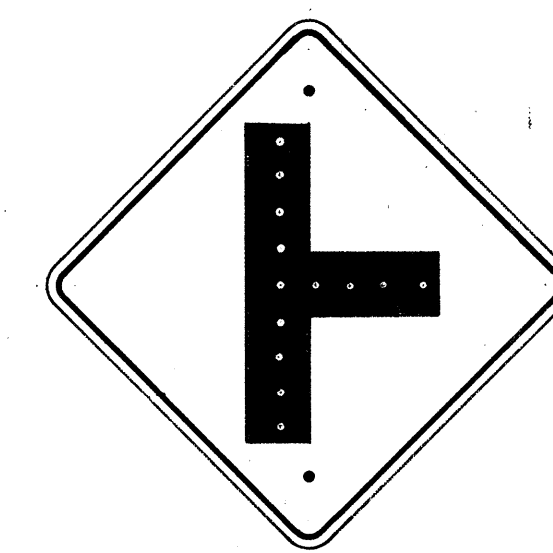
W-4-R
 *W-4-L
 24" x 24"



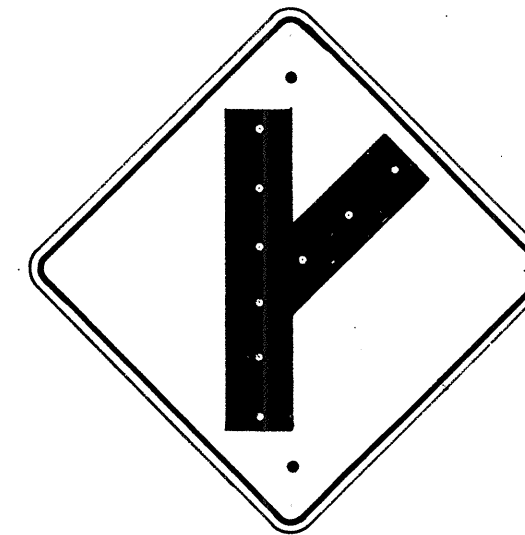
W-5-R
 *W-5-L
 24" x 24"



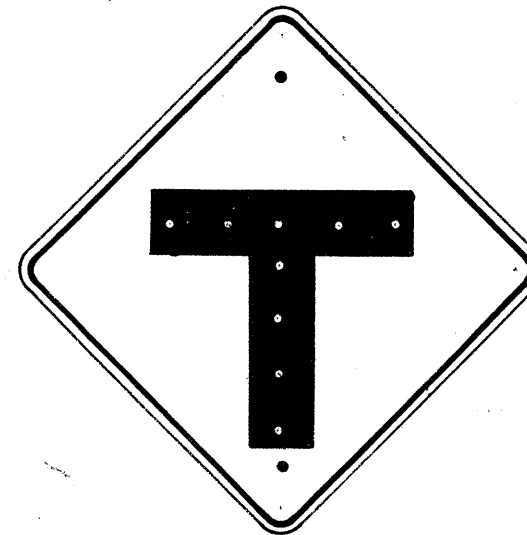
W-6
 24" x 24"



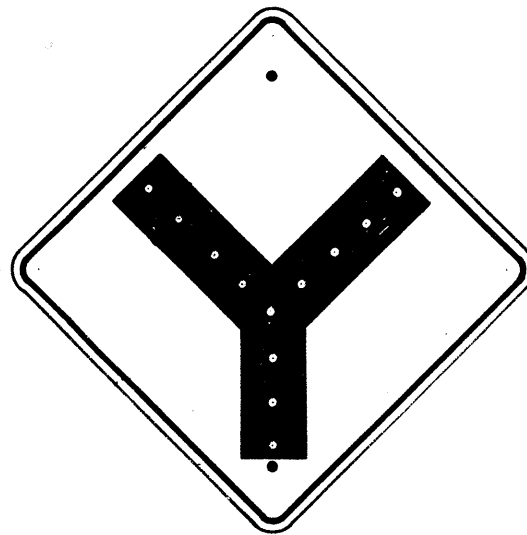
W-7
 24" x 24"



W-8-R
 *W-8-L
 24" x 24"



W-9
 24" x 24"



W-10
 24" x 24"



W-13
 24" x 24"



W-14
 24" x 24"



W-14-A
 24" x 24"



W-19
 30" x 30"



W-20
 30" x 30"



W-21
 30" x 30"

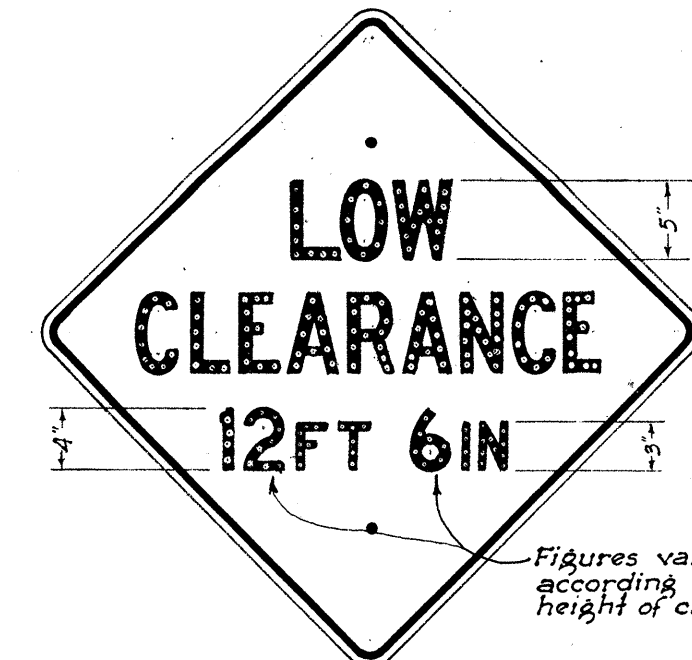
NOTE: All Warning Signs shall have two (2) 3/16" bolt holes drilled at 24" center unless otherwise noted.

All letters and figures shall be of size and design shown and shall conform with "Standard Alphabets for Highway Signs" as set forth by the Public Roads Administration, Federal Works Agency. Series "C" letters and Series "D" numerals shall be used except where noted.

Note: All Regulatory (R) signs shall have black letters on a white background except where noted. All Warning (W) signs shall have black letters or figures on a "Highway Yellow" background. *Signs shall be similar but opposite in direction.



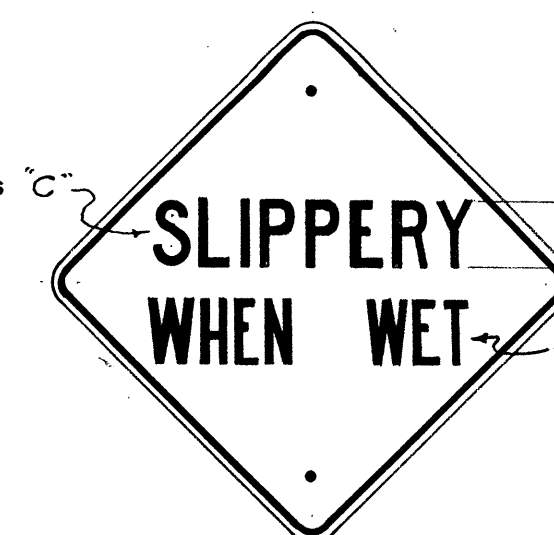
W-22
 24" x 24"



W-24
 30" x 30"



W-25
 24" x 24"



W-29
 24" x 24"



W-38
 24" x 24"

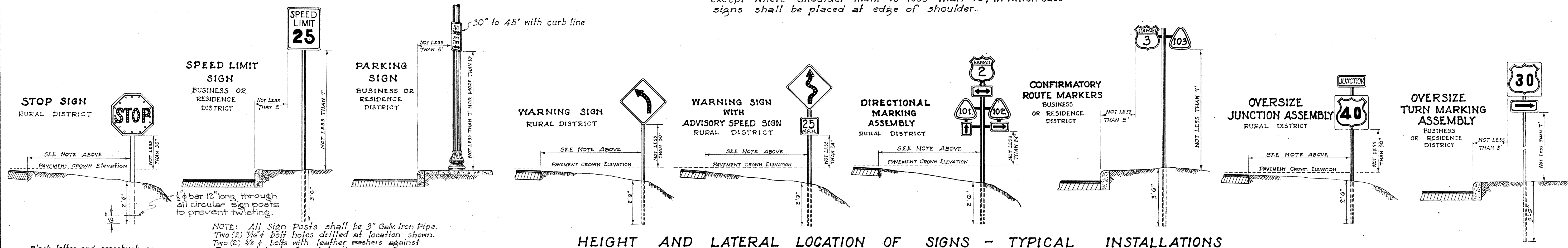


W-39
 24" x 24"

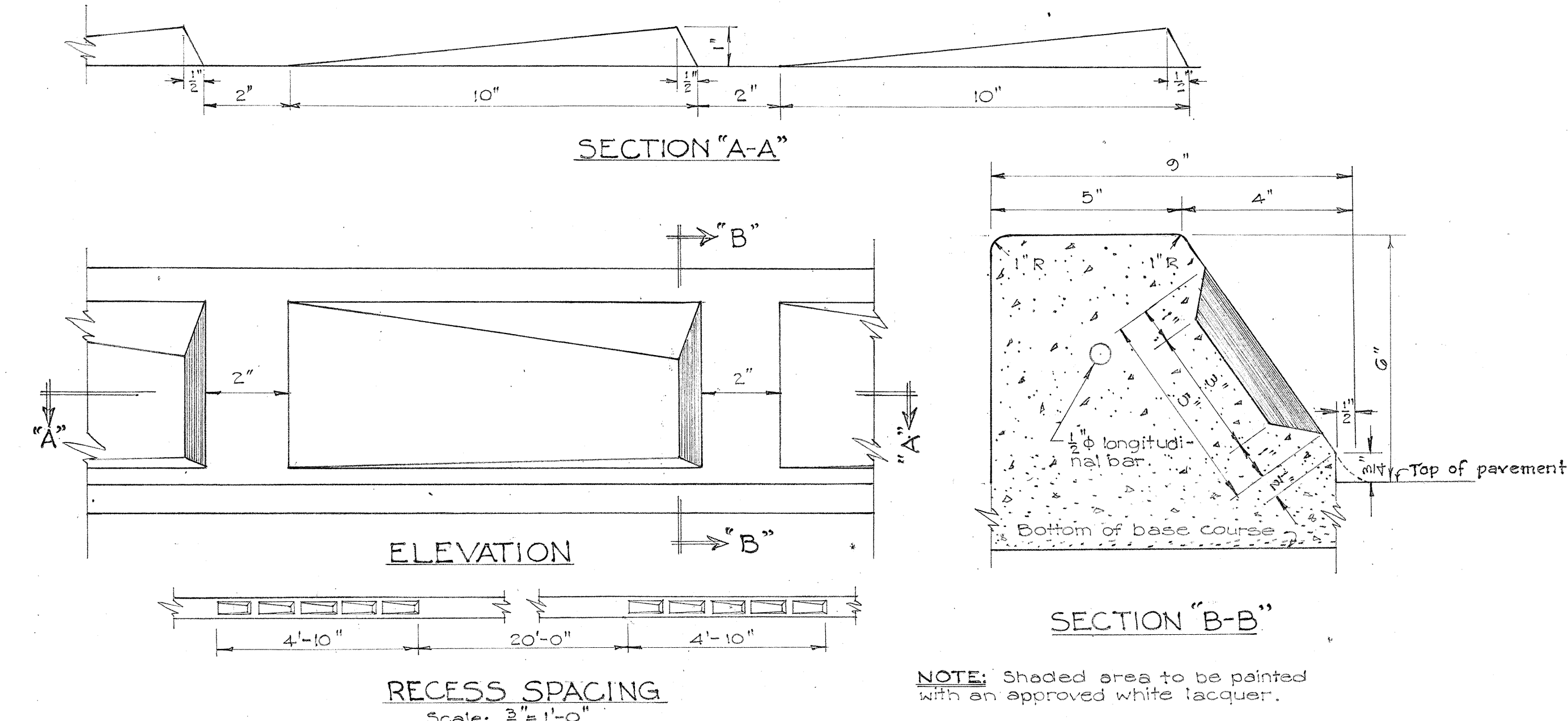
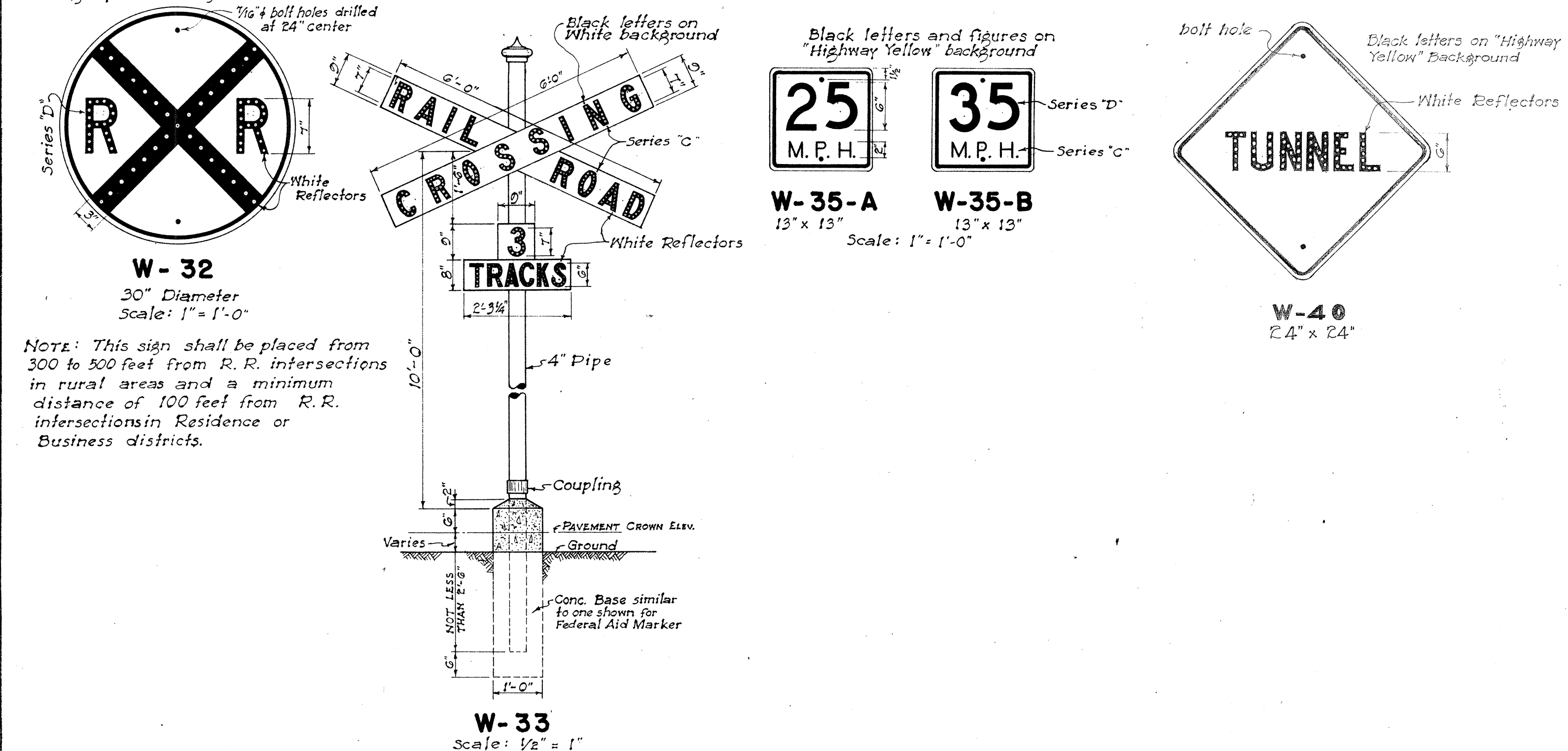
See Specifications for
 Materials & Finish.

TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
 REGULATORY & WARNING SIGNS
 Scale: 1" = 1' May 31, 1949
 APPROVED: TERRITORIAL HIGHWAY ENGINEER

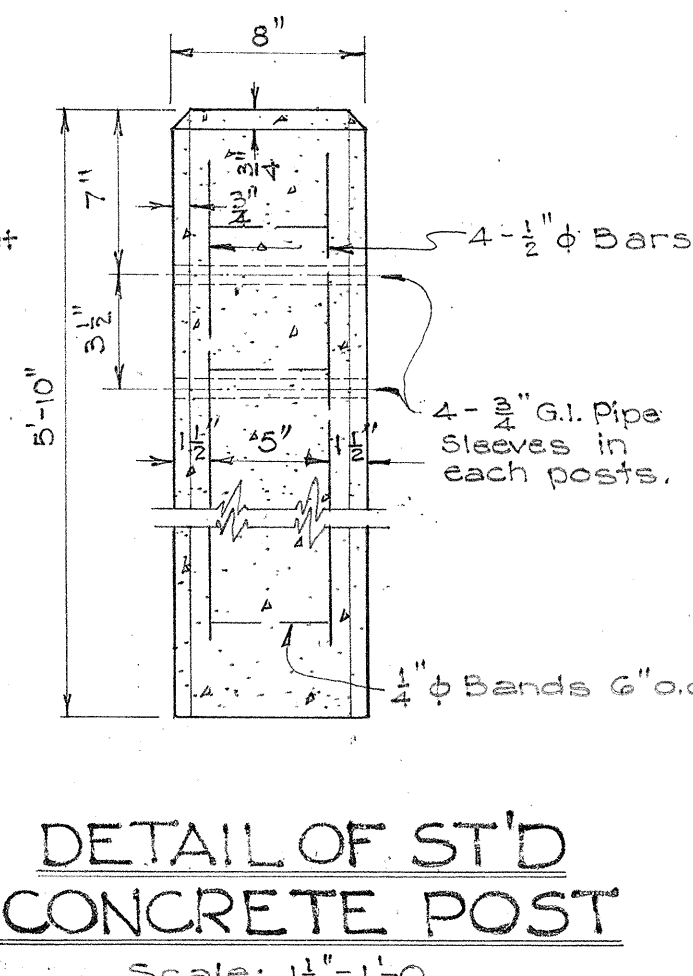
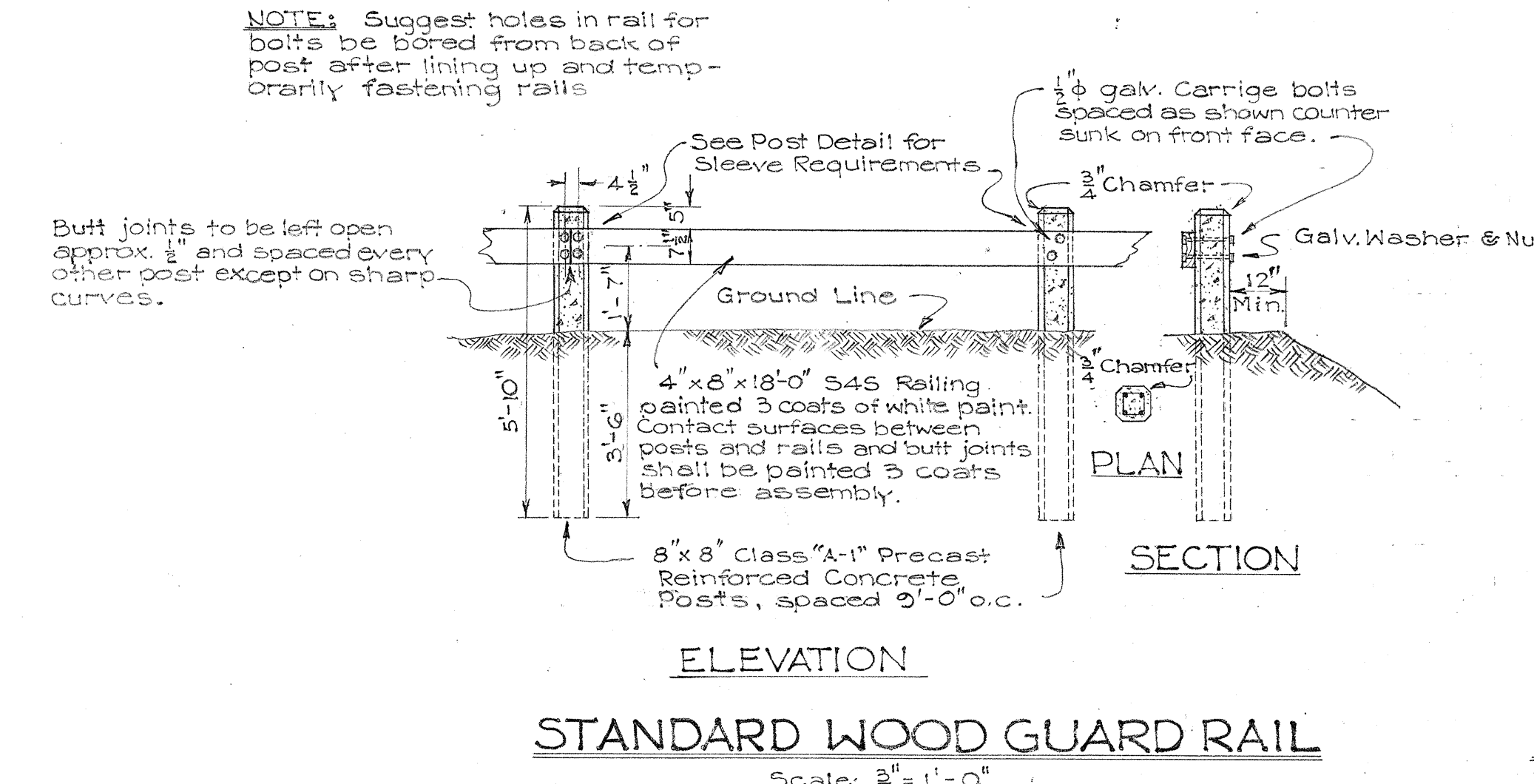
Note: All signs shall be placed 10' from edge of pavement except where shoulder width is less than 10', in which case signs shall be placed at edge of shoulder.



HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS
Scale: 1" = 3'-0"

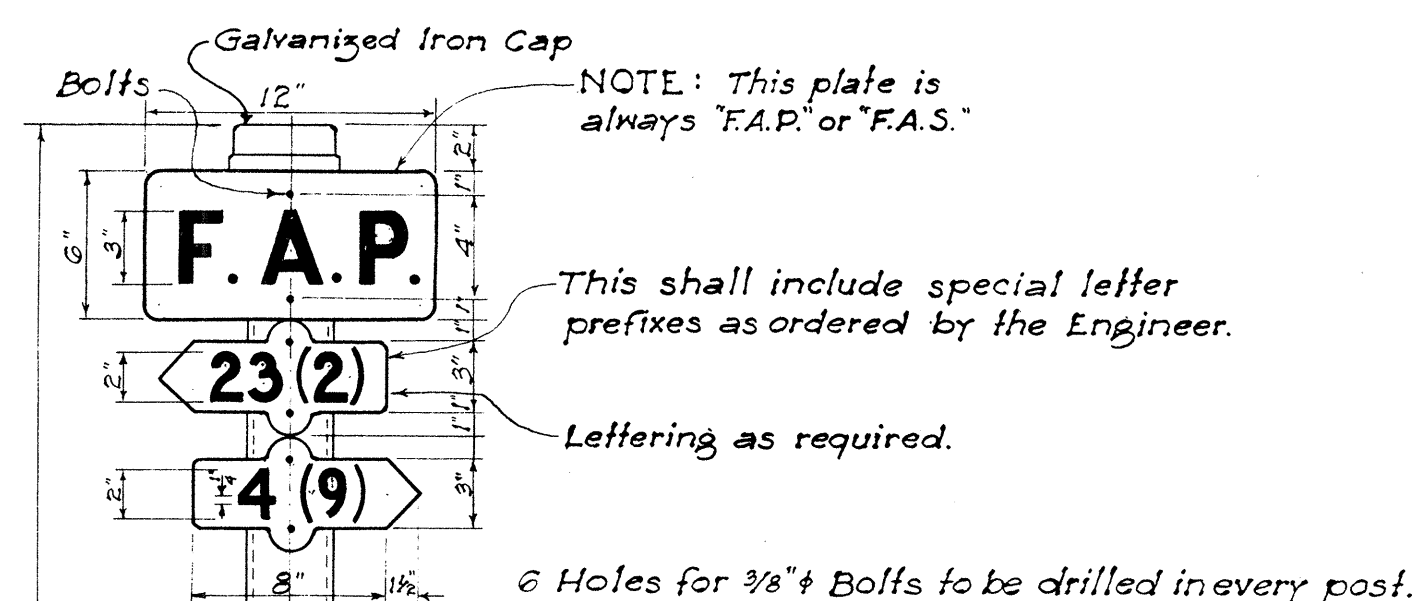


STANDARD RECESS CURB TYPE "A"
Scale: 3/8" = 1'
NOTE: For Recess Curb Type "D" Details, See Sheet No. 5458.21



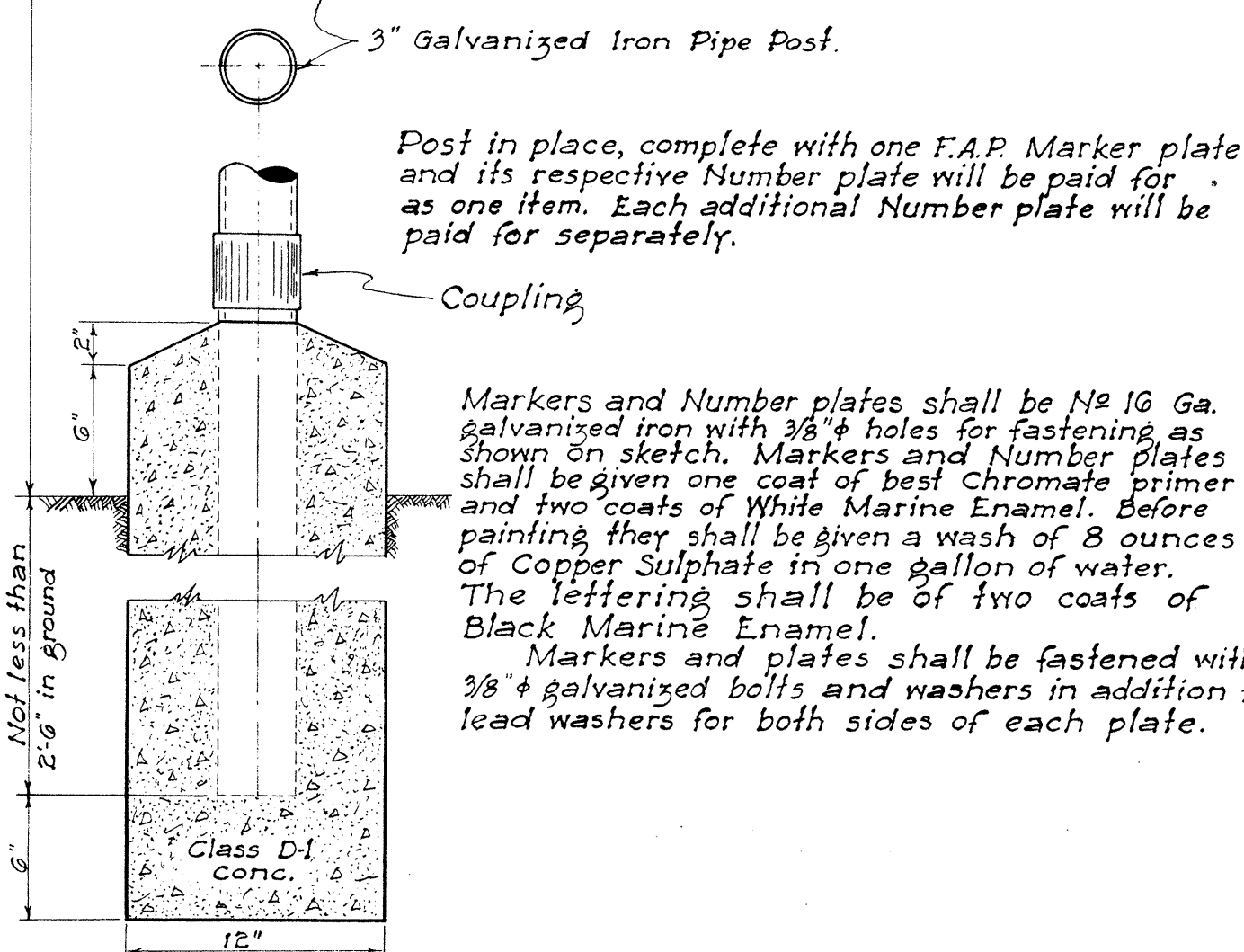
STANDARD GUIDE POST
8"x8" Reinforced Concrete Guide Posts are the same as those used for Standard Wood Guard Rail.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
MISCELLANEOUS DETAILS
SCALE AS NOTED
APPROVED: *[Signature]*
Territorial Highway Engineer
May 31, 1949

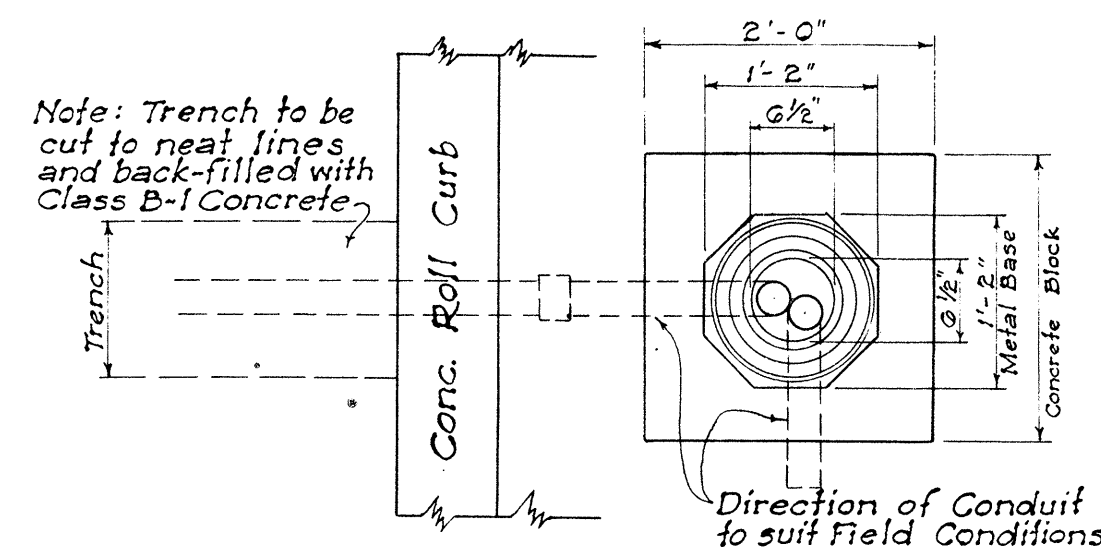


ARRANGEMENT OF MARKERS

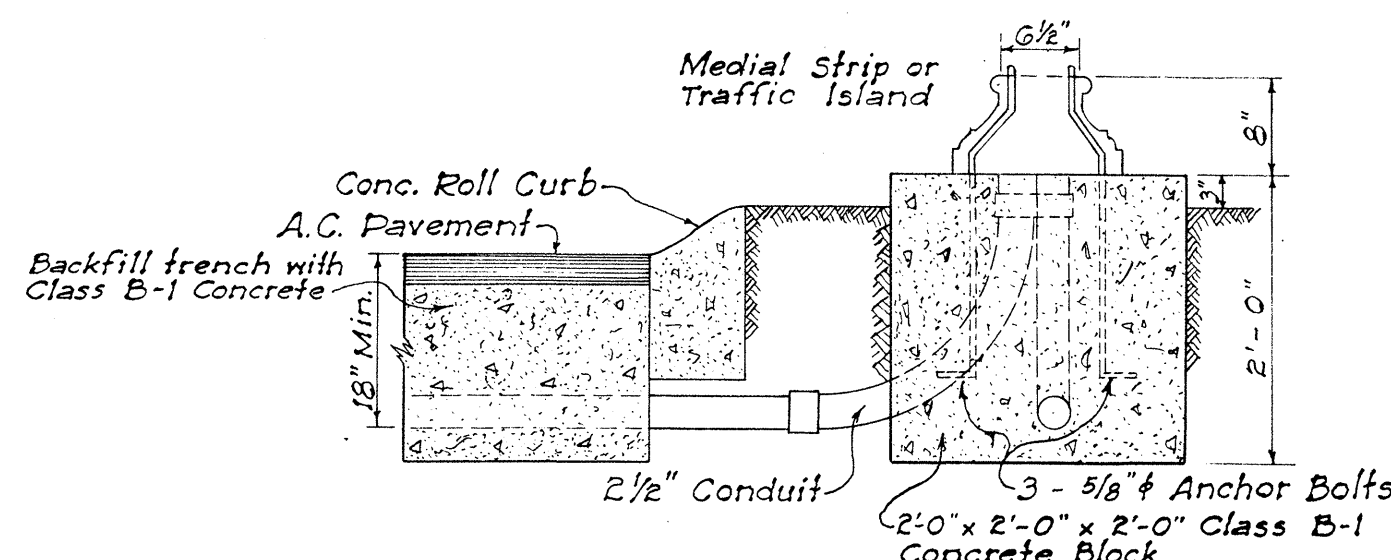
One F.A.P. Marker and one plate shall be placed at the beginning and end of each isolated F.A. Project. Where two F.A. Projects adjoin, a single marker and two Number plates shall be placed, each Number plate pointing in the direction of the project to which it refers.



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



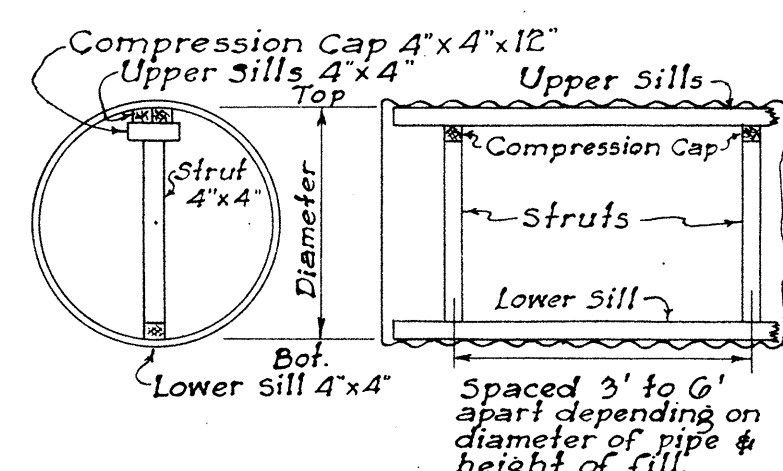
PLAN



SECTION

NOTE: Unless otherwise specified, all concrete for base for Traffic Standards, Pull Boxes, Concrete Jackets for Transite Ducts shall be Class B-1 Concrete.

DETAIL OF BASE FOR TRAFFIC STANDARD AND DISPATCHER PEDESTAL



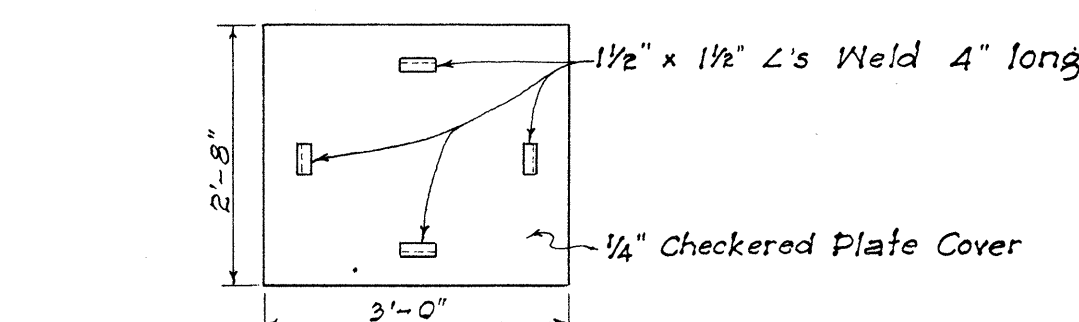
END VIEW

LONGITUDINAL SECTION

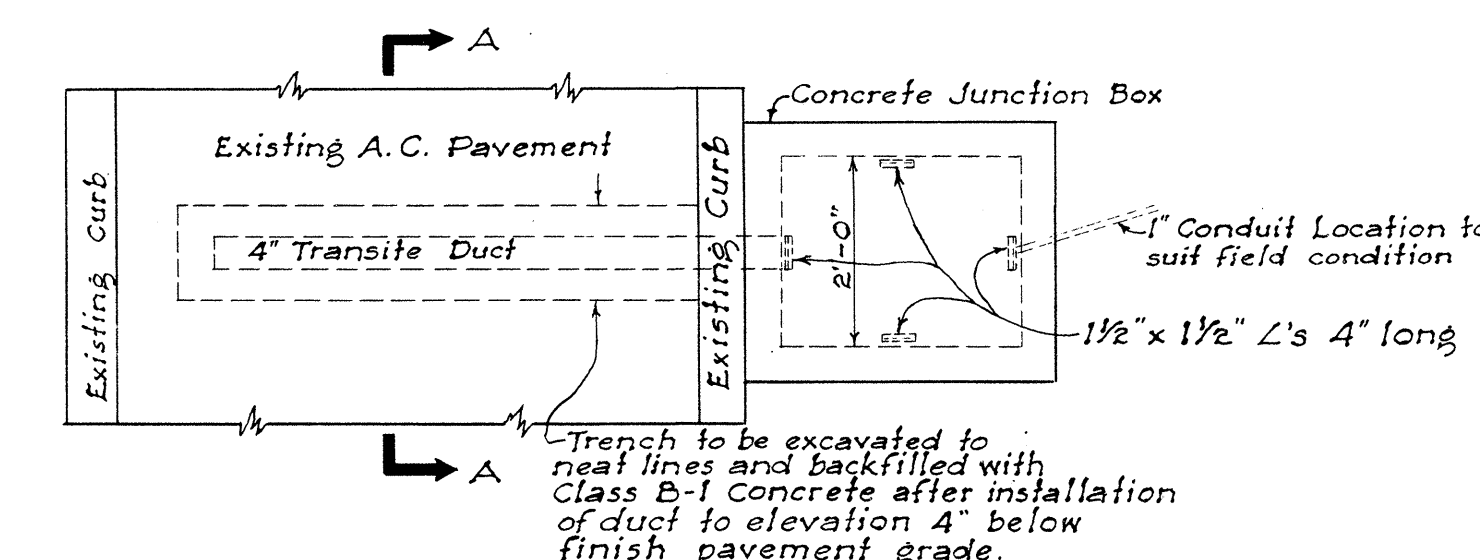
STRUTTING DIAGRAM & TABLE FOR CORRUGATED METAL PIPE CULVERT

Diameter of Pipe in inches	Length of Struts in inches	Spacing of Struts in ft. for Various Heights				
		FILL 1' to 5'	FILL 5' to 10'	FILL 10 to 20'	FILL 20 to 30'	FILL Over 30'
48	38 3/8	—	—	—	6	4
54	44 3/4	6	6	6	6	4
60	51	6	6	6	6	4
66	57 1/4	6	6	6	6	4
72	63 3/8	6	6	6	5	3.5
78	69 1/8	6	6	6	4.5	3.5
84	76 1/4	6	6	6	4	3

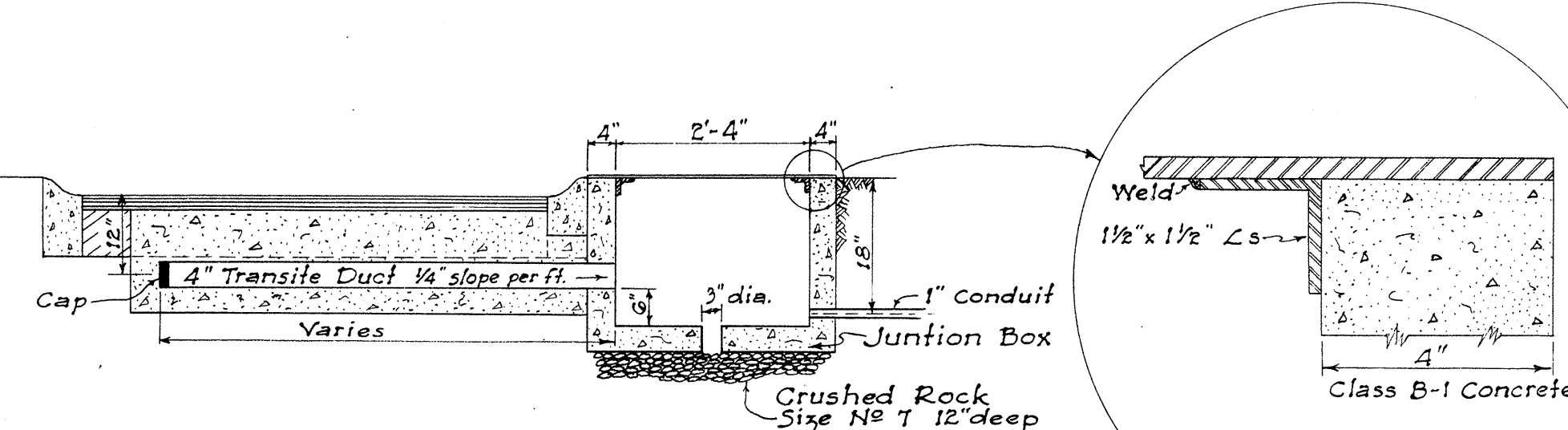
NOTE: Length of Struts are based on 4"x4" timbers which is the minimum size recommended. If larger sills or compression caps are used, length of struts should be changed accordingly.



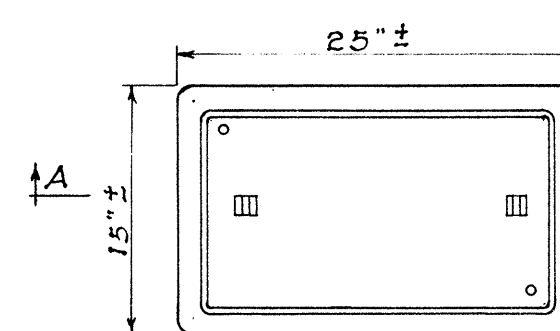
PLAN OF COVER PLATE



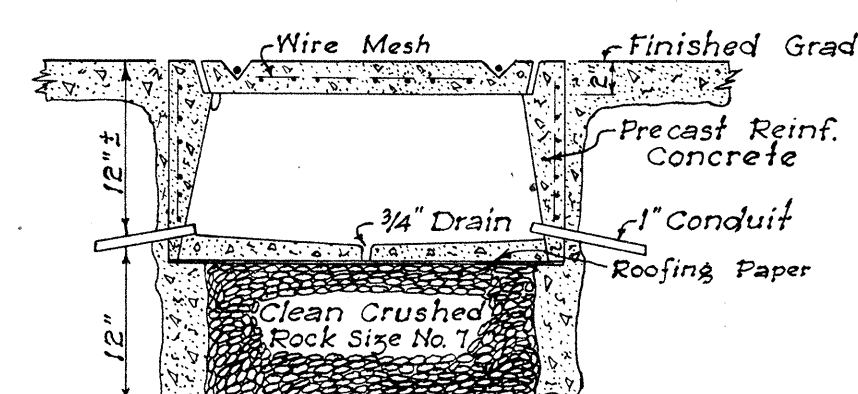
PLAN



TYPICAL ROAD SECTION SHOWING TRAFFIC DETECTOR JUNCTION BOX AND DUCT



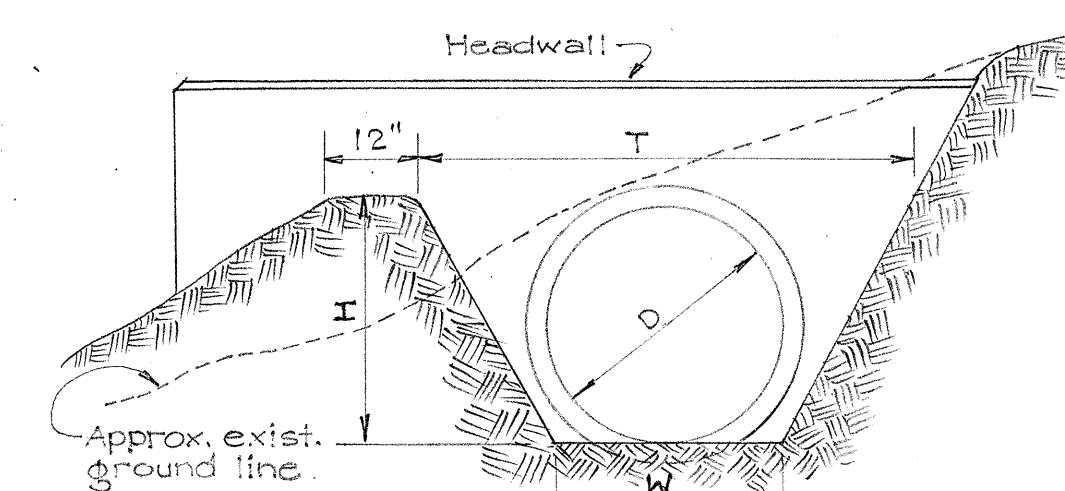
PLAN



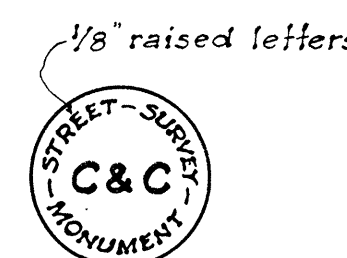
SECTION A-A

DETAIL OF PULL BOX
Scale: 1" = 1'-0"

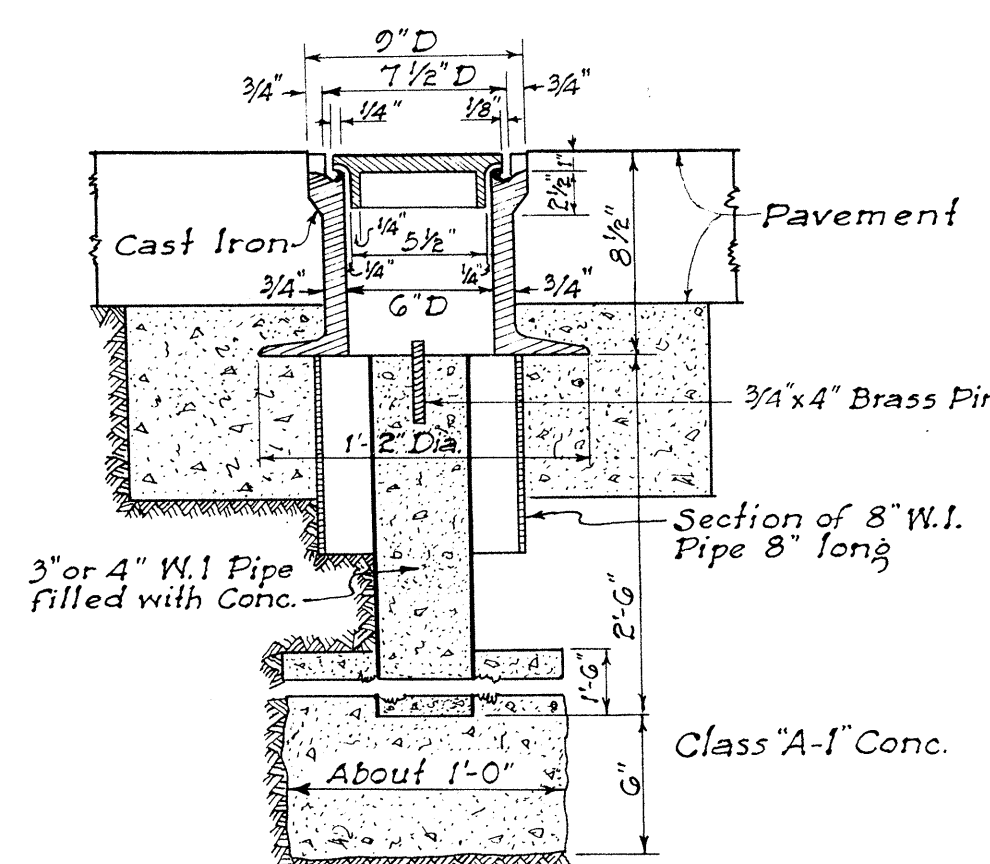
D	W	H	T=W+H
18"	24"	2'-0"	4'-0"
24"	24"	2'-0"	4'-0"
30"	30"	2'-0"	5'-0"
36"	36"	3'-0"	6'-0"



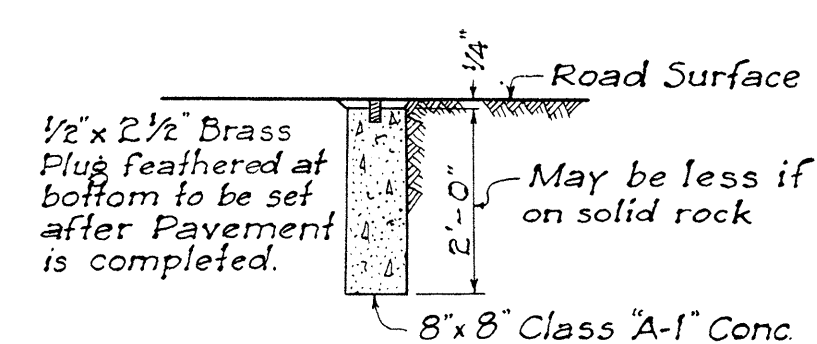
STANDARD OUTLET DITCH DETAIL



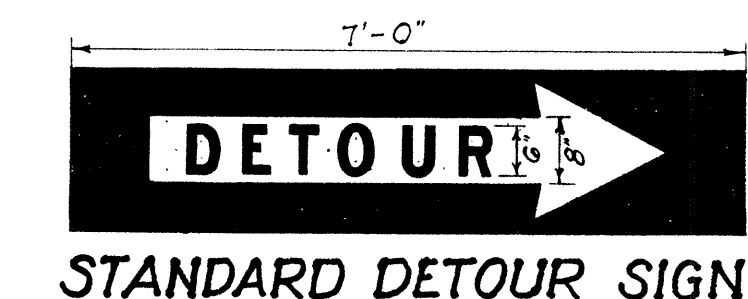
PLAN OF TOP



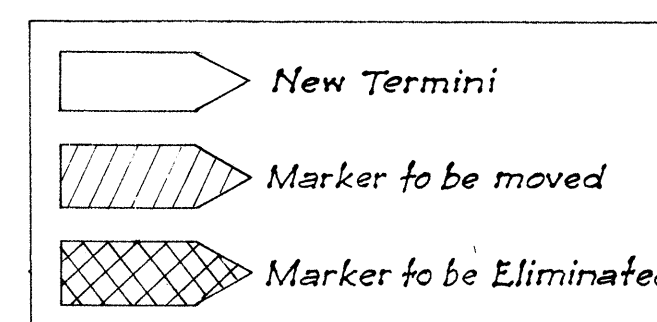
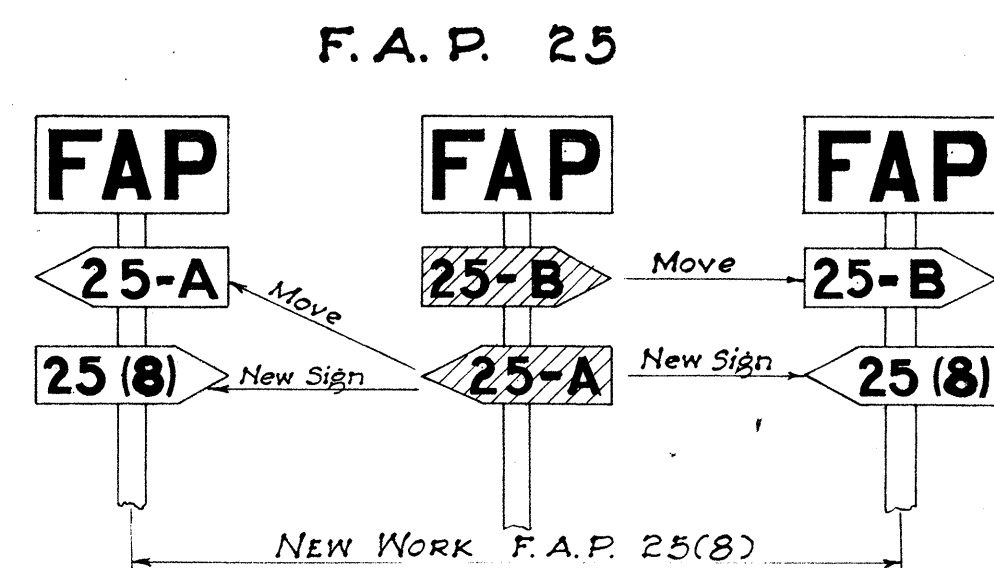
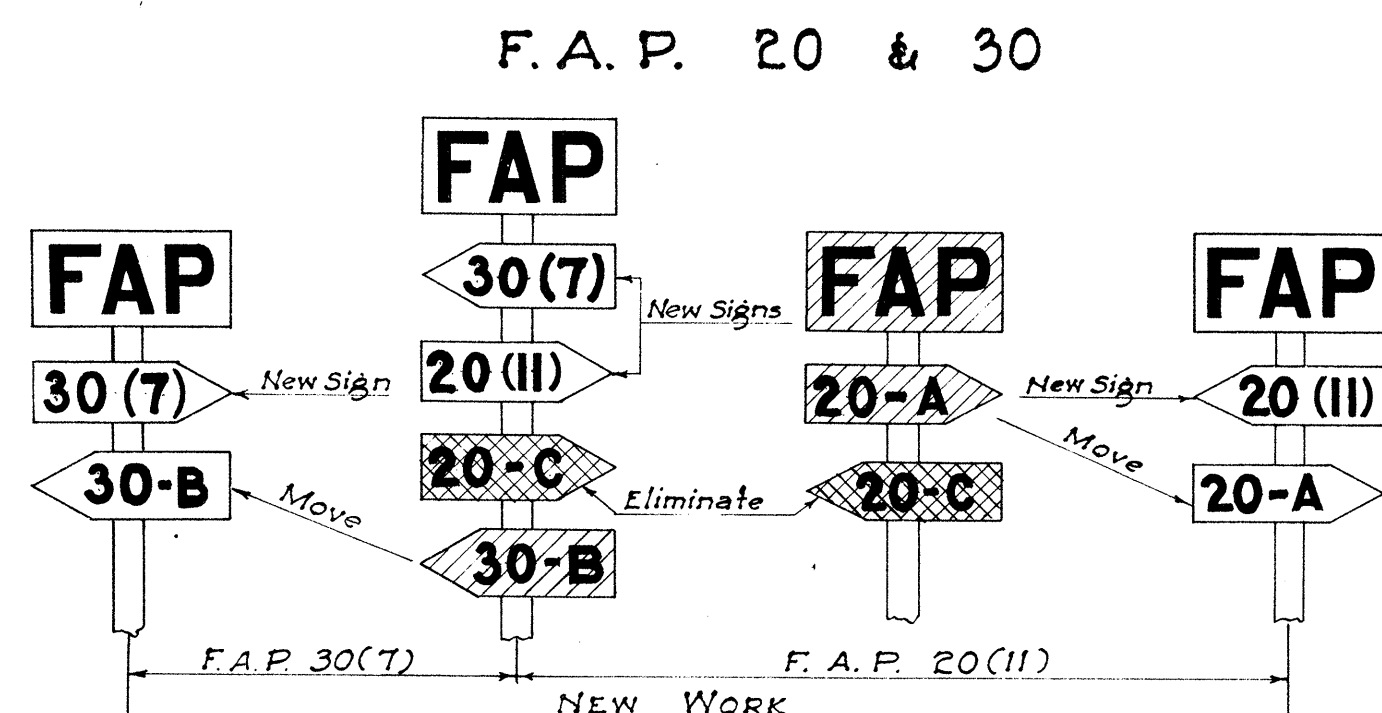
STANDARD C&C STREET SURVEY MONUMENT



CENTER LINE MONUMENT Scale: 1/2" = 1'-0"



STANDARD DETOUR SIGN



NOTE: Federal Aid Markers should be placed at the termini of suffix designated sections. Intermediate letter designated markers

of adjacent sections located within the limits of new improvements should be moved to the termini of the new work.

The same procedure would be followed on each successive improvement until all markers for letter designated sections are eventually eliminated.

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

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
STANDARD DETAILS
SCALES AS NOTED
APPROVED: *Samuel*
Territorial Highway Engineer
May 31, 1949

