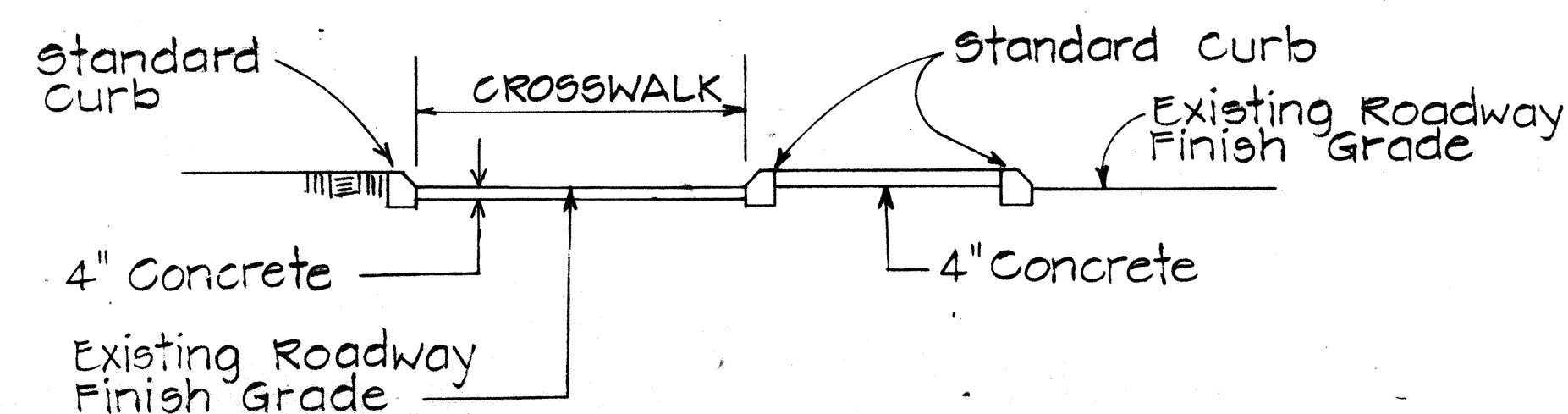


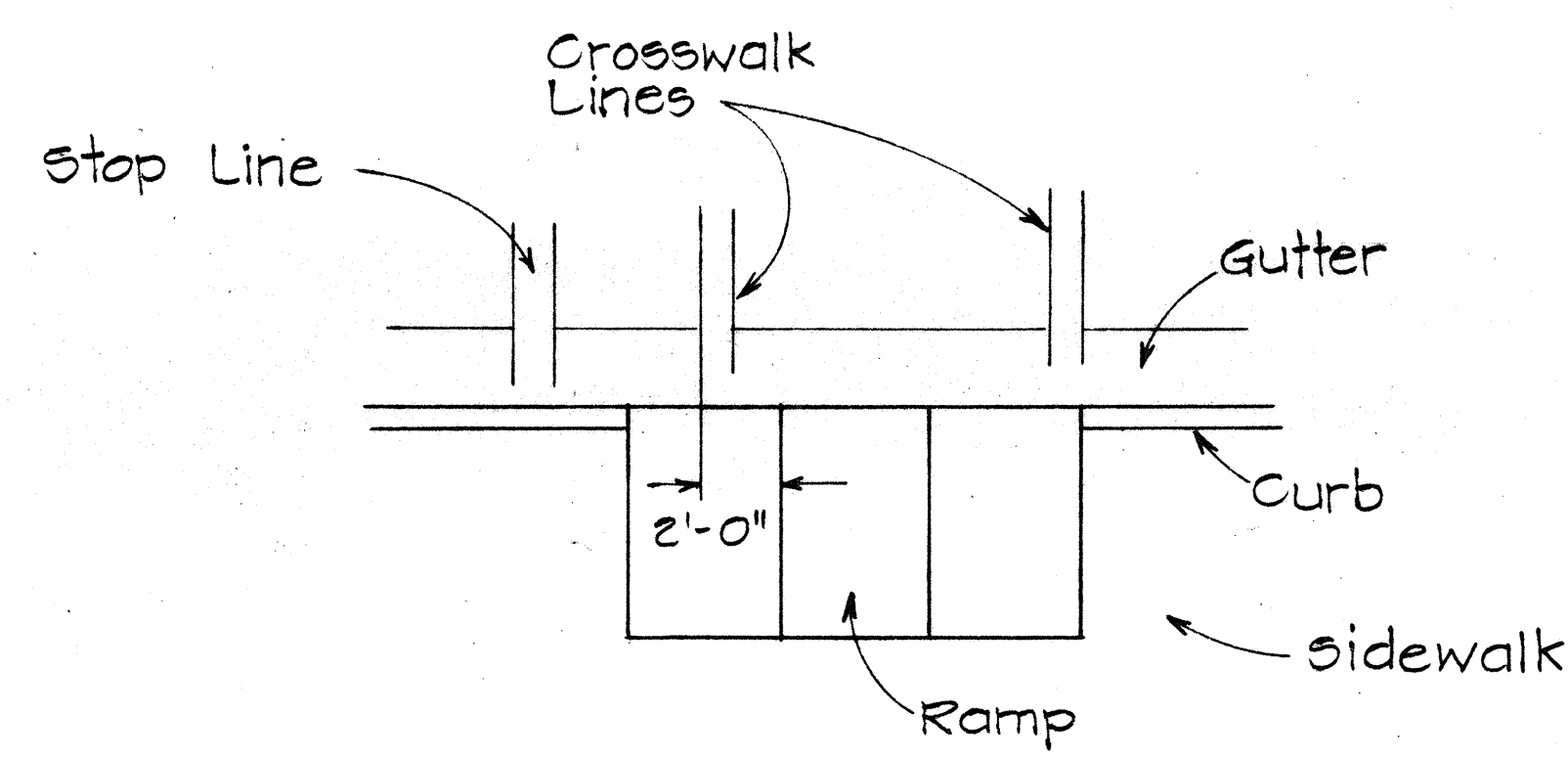
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93A-01-864 93B-01-864	1986	19	52



SECTION "A-A"

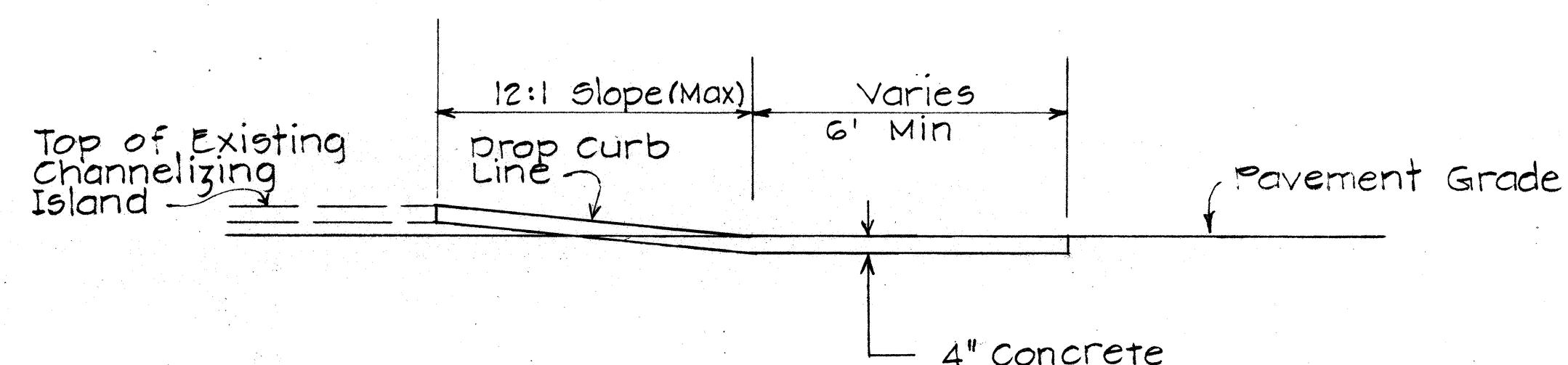
Use at Median Nose Crossings
Scale: 1" = 5'

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



TYPICAL INSTALLATION AT CROSSWALKS

Scale: 1" = 5'



SECTION "B-B"

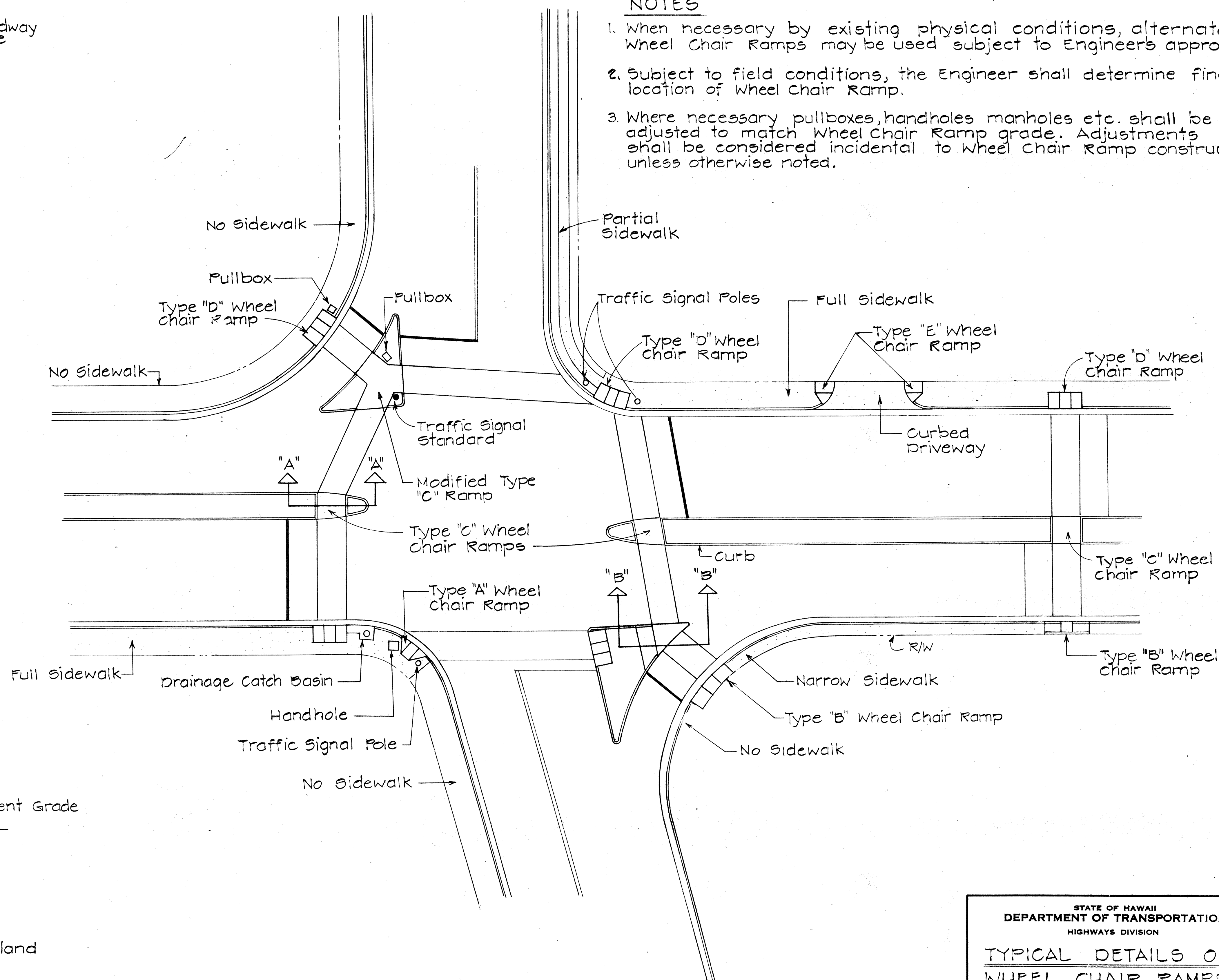
TYPE "B" MODIFIED WHEEL CHAIR RAMP

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

For Additional Details See Type "B" Wheelchair Ramp

NOTES

1. When necessary by existing physical conditions, alternate Wheel Chair Ramps may be used subject to Engineer's 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'

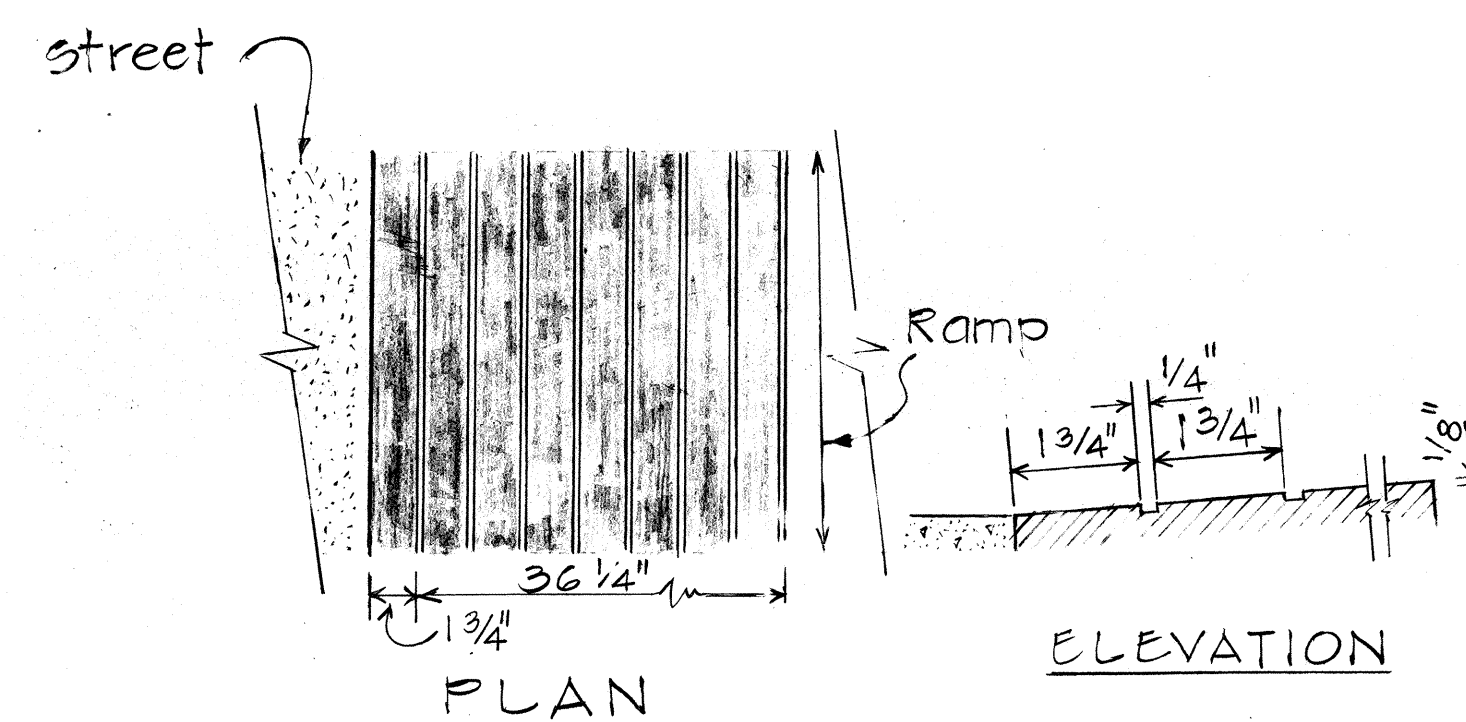
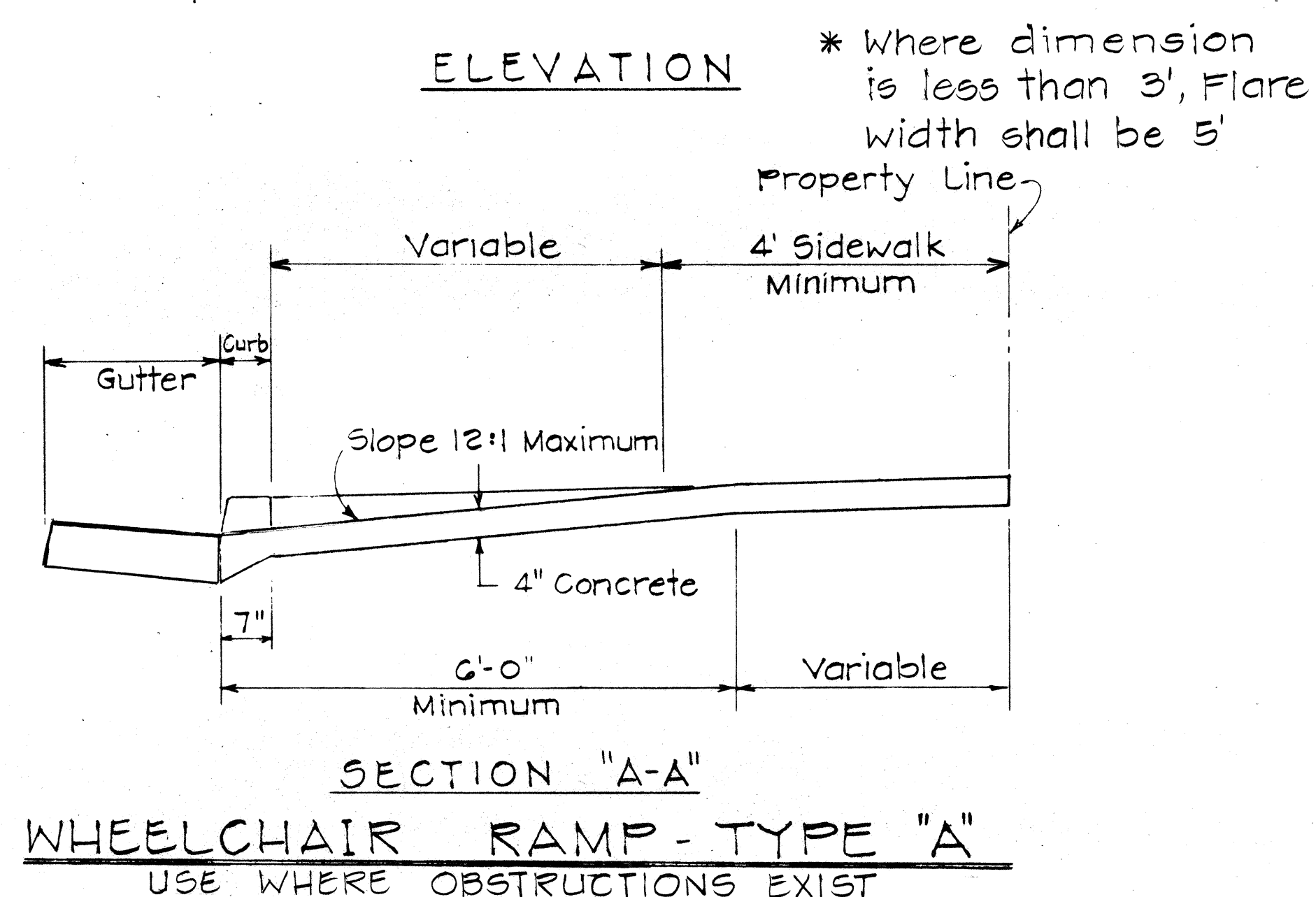
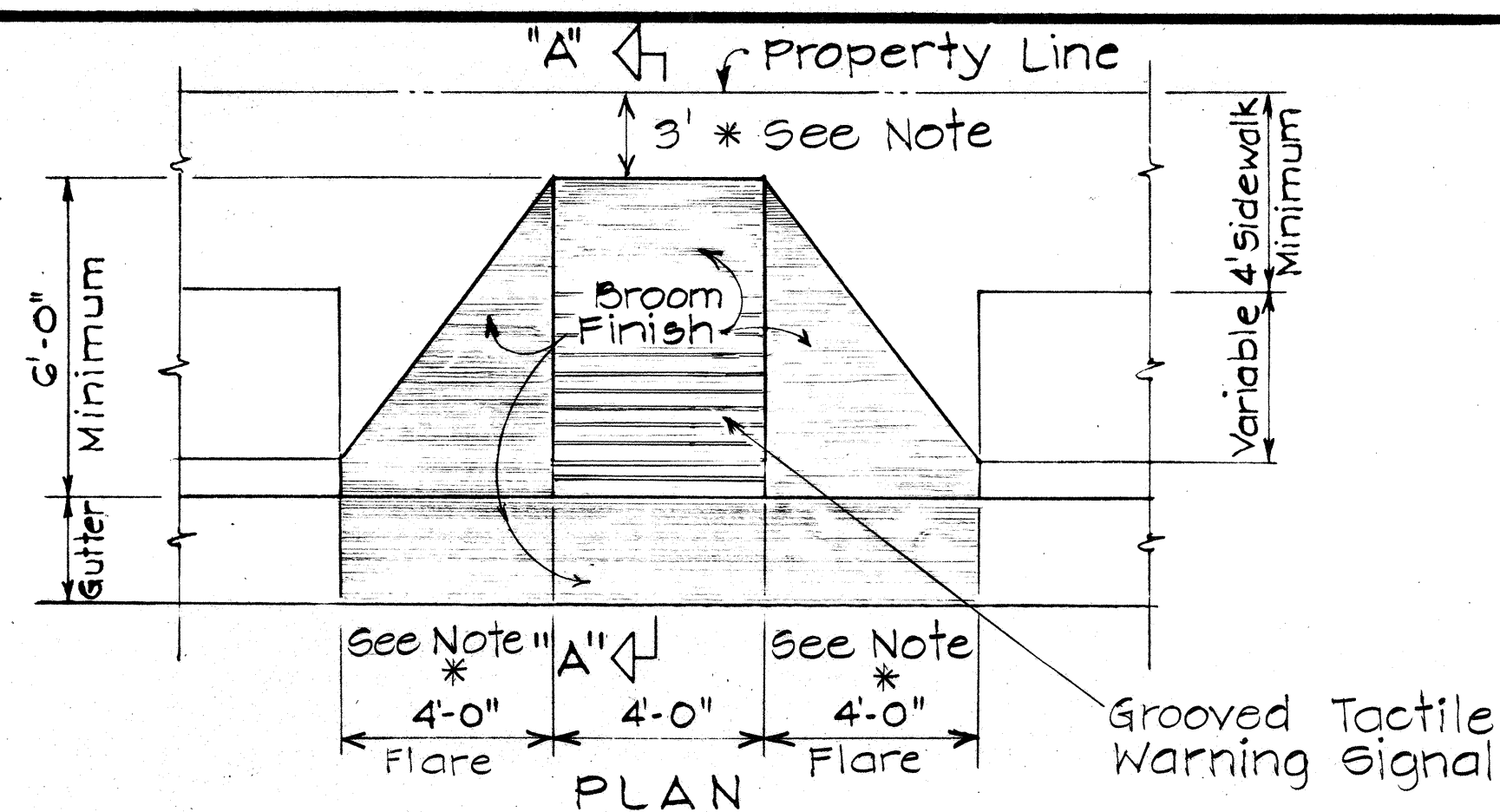
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**TYPICAL DETAILS OF
WHEEL CHAIR RAMPS**

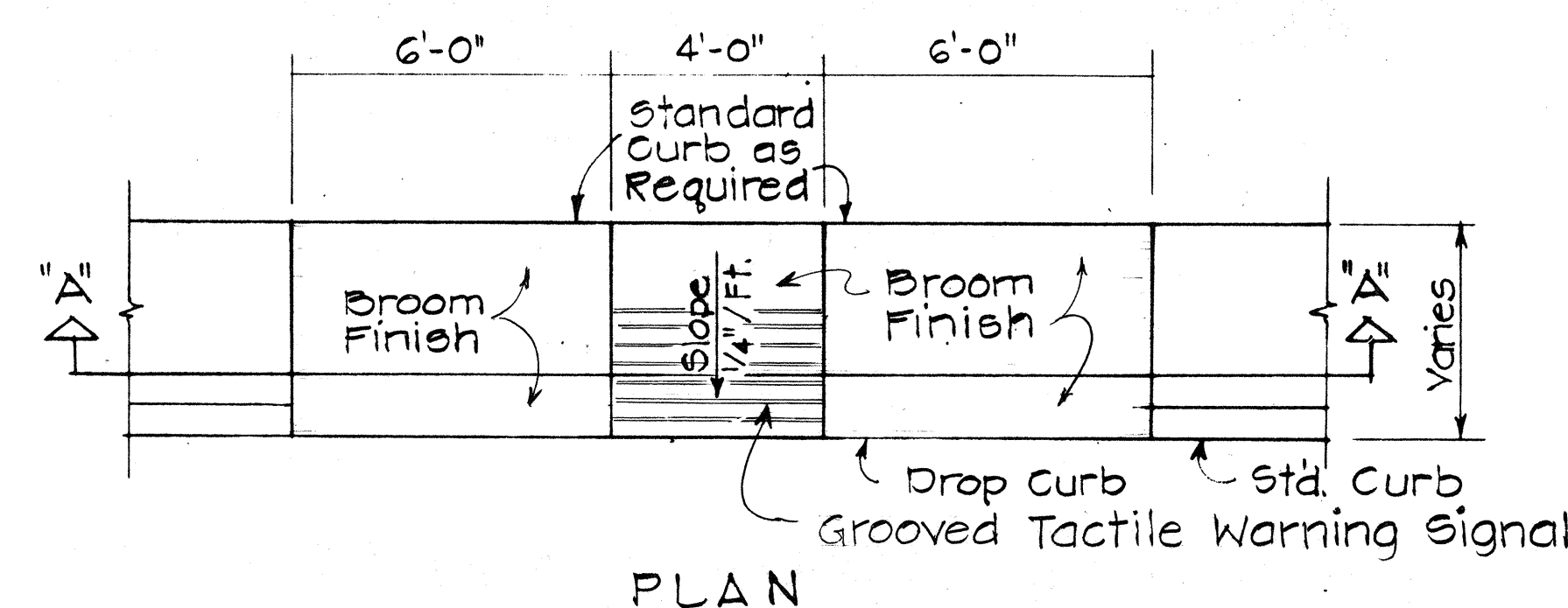
Scale: As Shown May, 1978
SHEET No. 1 OF 4 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
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.	93A-01-86M 93B-01-86M	1986	20	52

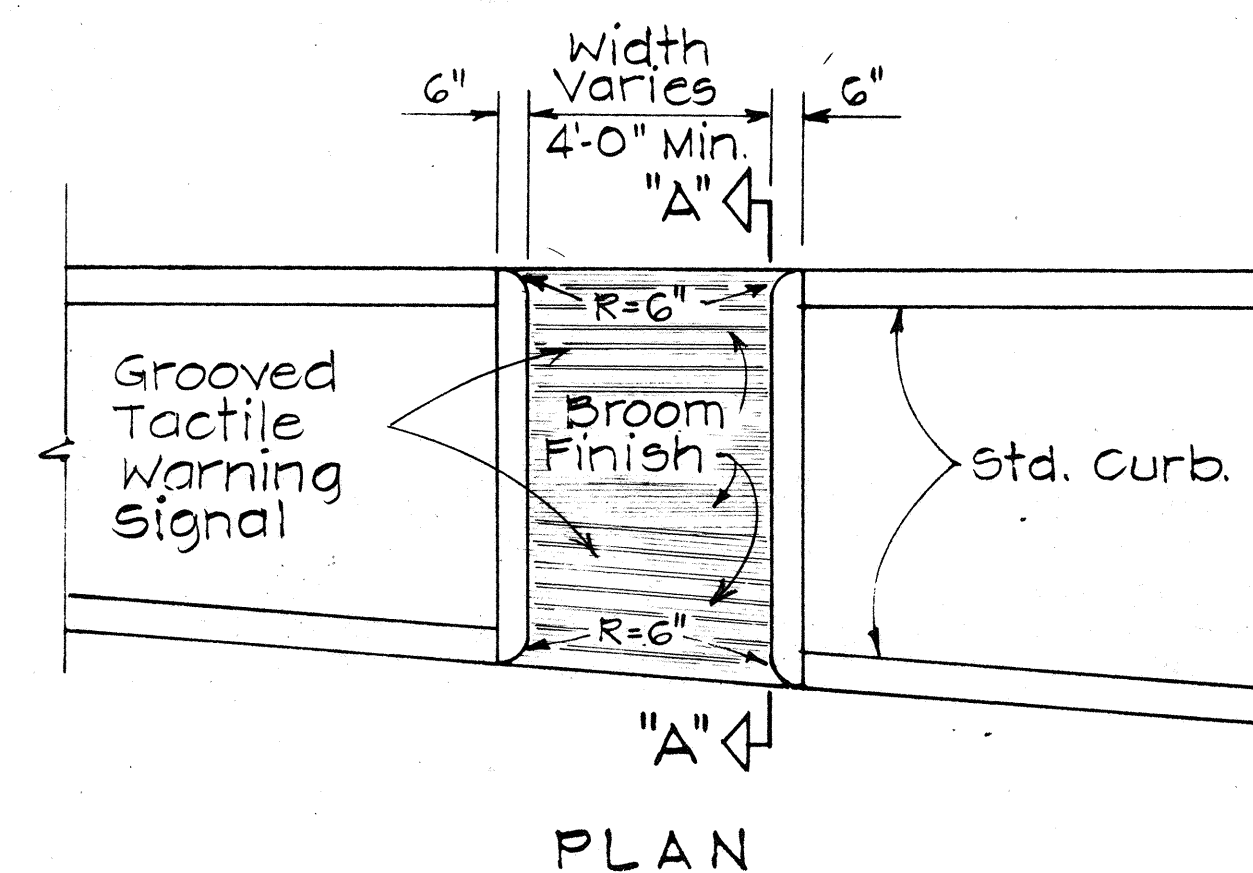


GROOVED TACTILE WARNING SIGNAL



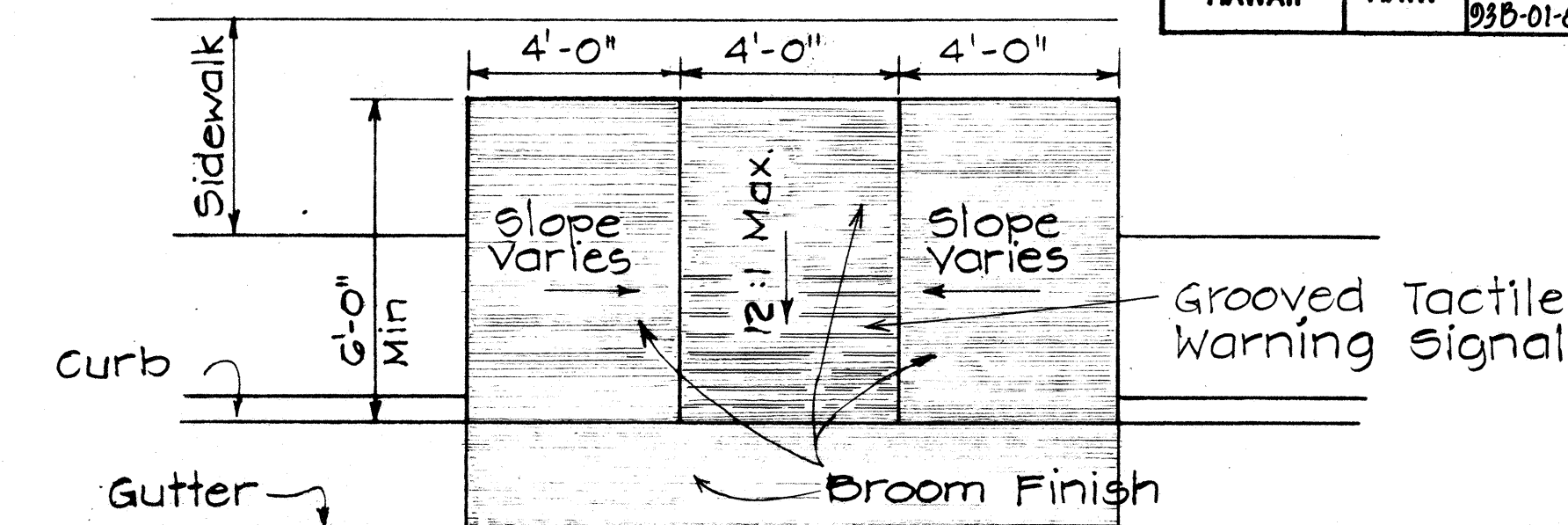
WHEELCHAIR RAMP - TYPE "B"

USE AT SIDEWALKS WITH LESS THAN 6'-0" WIDTH



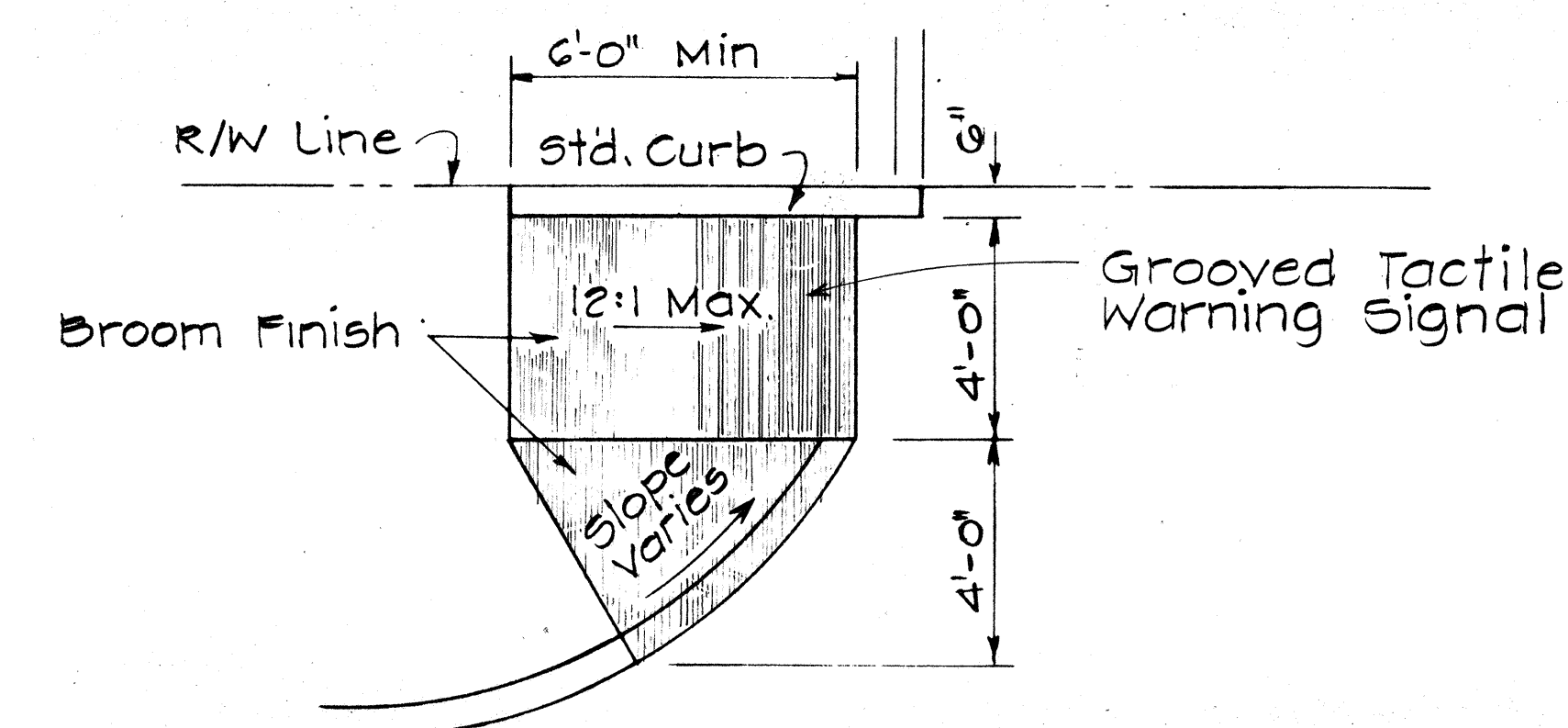
WHEELCHAIR RAMP - TYPE "C"

USE AT MEDIAN CROSSINGS, ISLANDS



WHEELCHAIR RAMP - TYPE "D"

USE WHEN IDEAL CONDITIONS EXIST



WHEELCHAIR RAMP - TYPE "E"

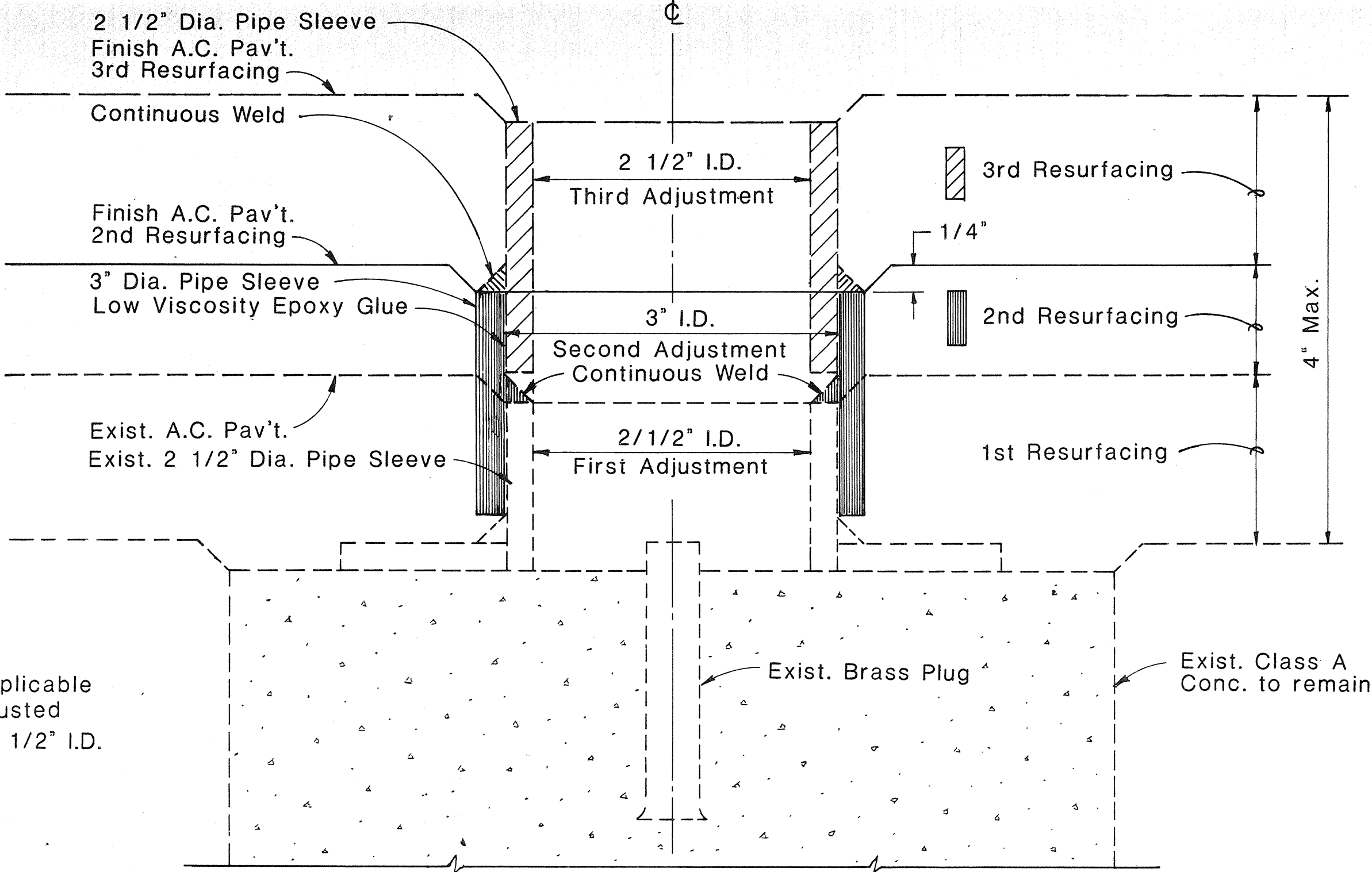
USE AT CURBED DRIVEWAYS

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. 2 OF 4 SHEETS

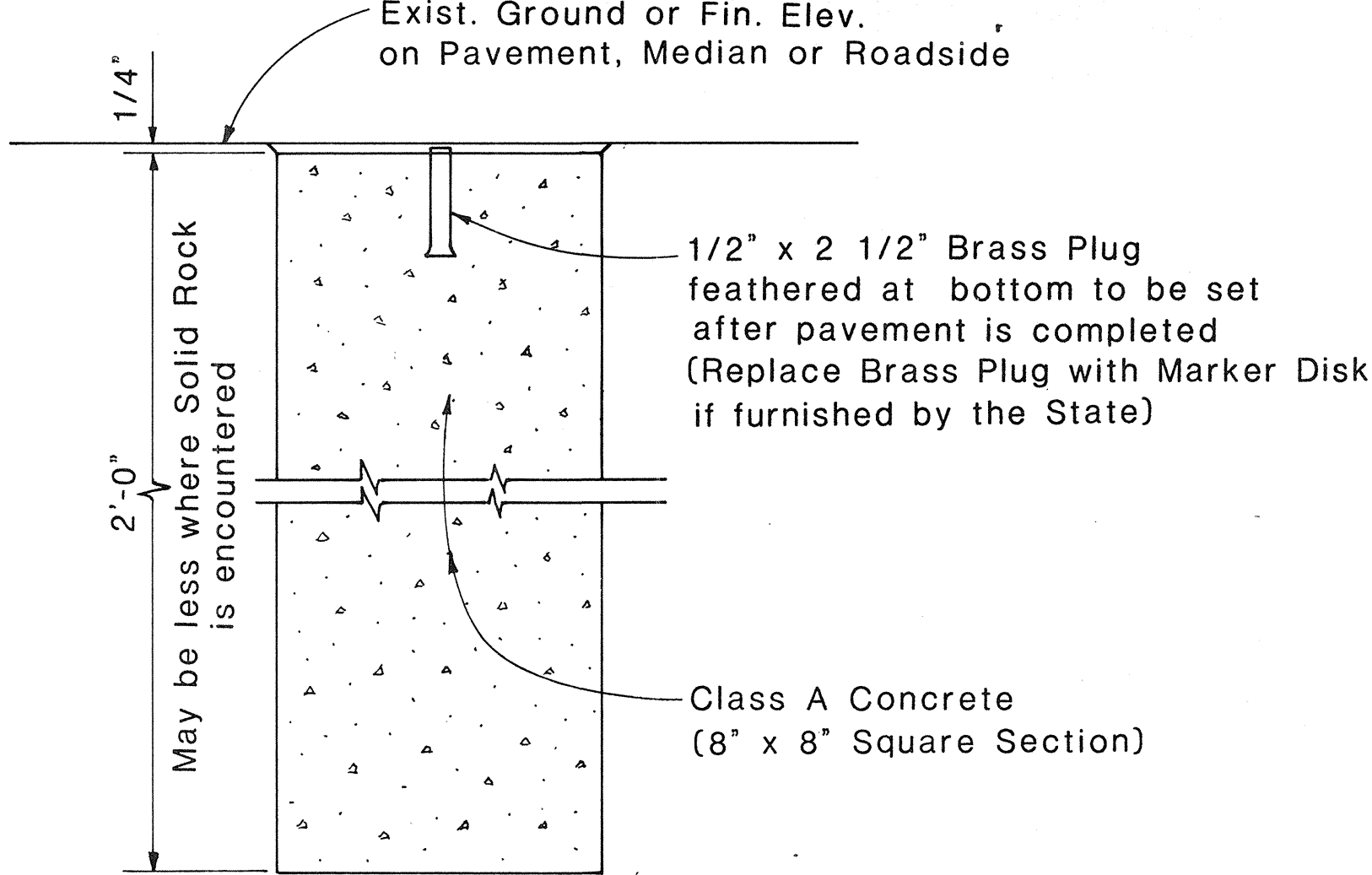
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	03A-01-BGM 03B-01-BGM	1986	21	52



NOTE:
This detail is applicable
only if initial adjusted
pipe sleeve is 2 1/2" I.D.

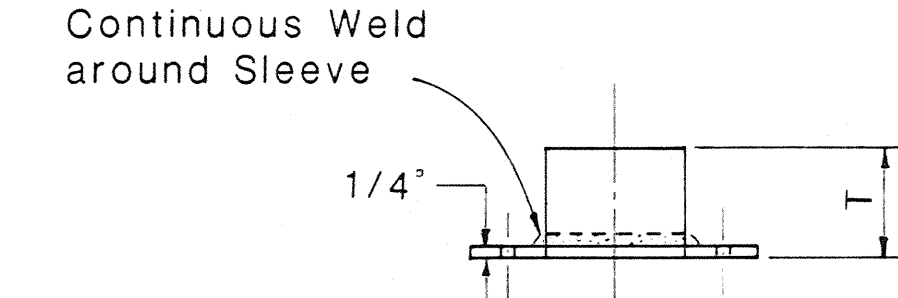
DETAIL FOR CENTERLINE MONUMENT (2ND & 3RD) ADJUSTMENTS

FULL SIZE

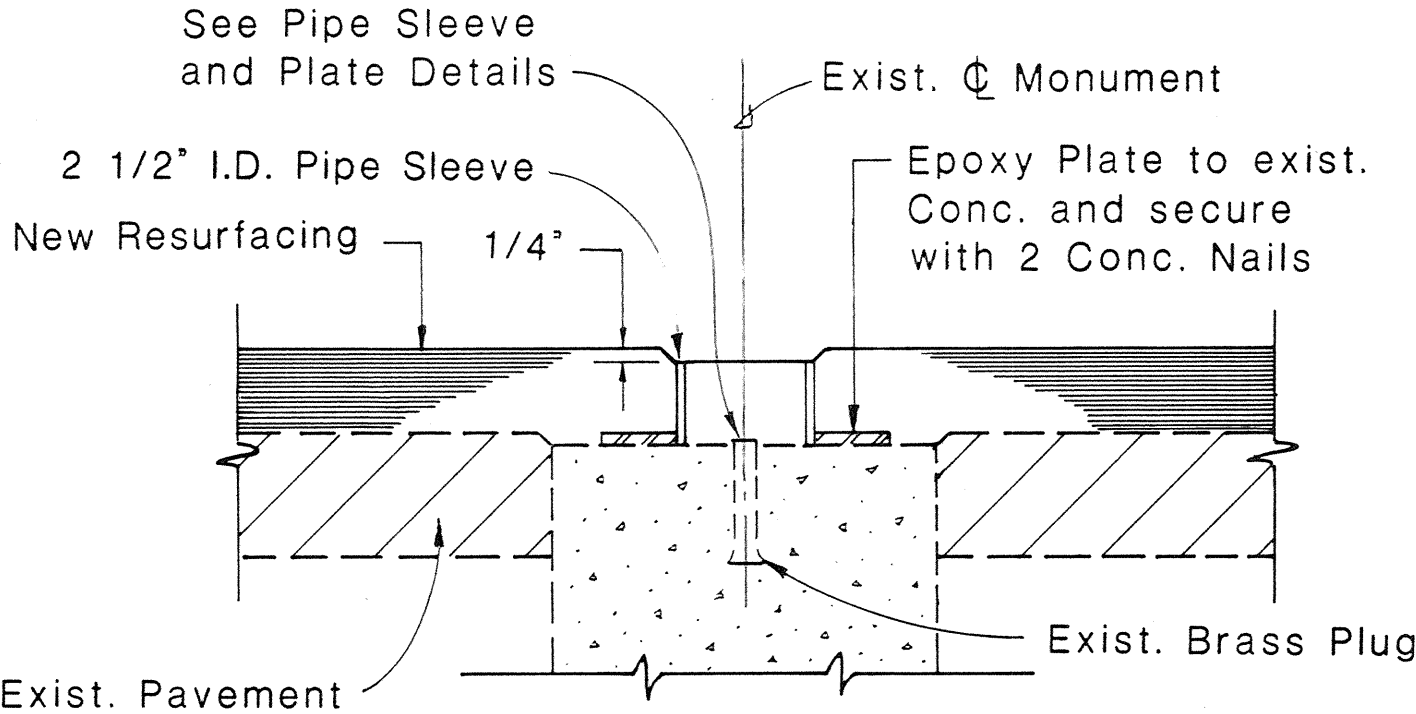


DETAIL FOR CENTERLINE & REFERENCE SURVEY MONUMENT

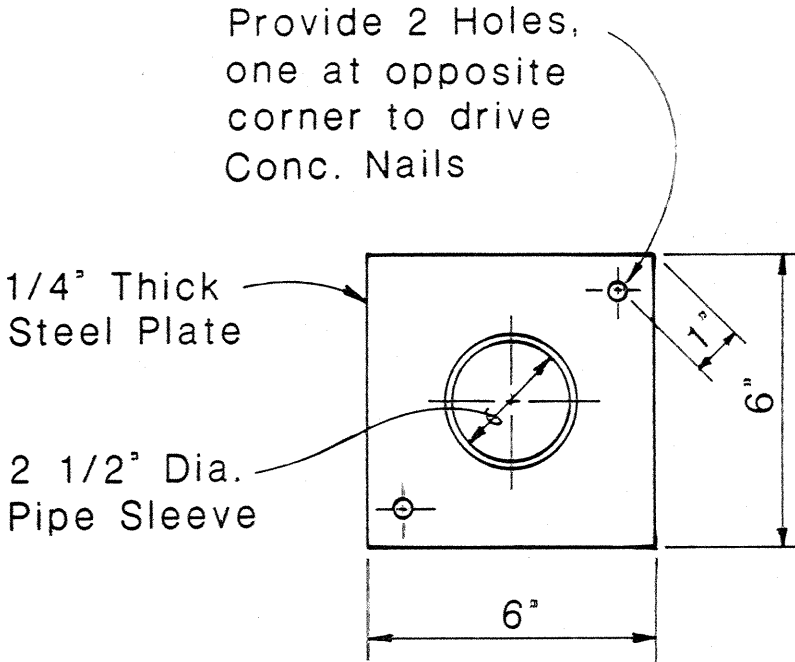
Scale: 1 1/2" = 1'-0"



PIPE SLEEVE & PLATE ELEVATION



SECTION THRU MONUMENT



PIPE SLEEVE & PLATE PLAN

NOTE
These Adjustment Details also apply to Centerline
Monuments utilized as Stationline Reference Points.

DETAILS FOR ADJUSTED CENTERLINE MONUMENT

Scale: 3" = 1'-0"

APPROVAL RECOMMENDED:
Mike Mima 6-20-83
HIGHWAY DESIGN ENGINEER DATE
APPROVED:
Ed Fujiyama 6-22-83
ASSISTANT CHIEF, ENGINEERING DATE

NO.	REVISION	APPROVED	
		BY	DATE
1	Delete Note No. 1	<i>[Signature]</i>	11-12-84

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS

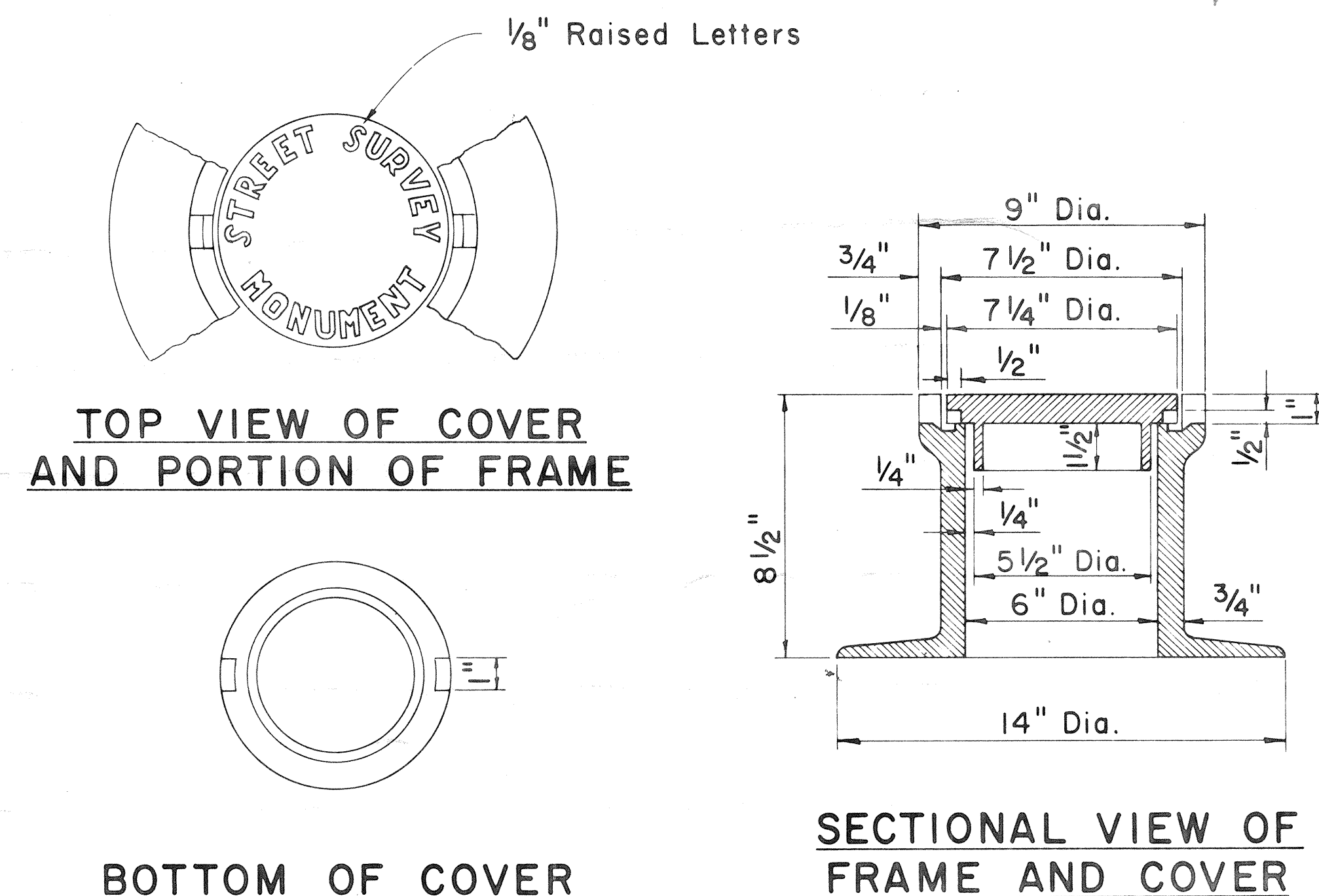
**CENTERLINE AND REFERENCE
SURVEY MONUMENT**

Scale: As Shown Date: May, 1983

SHEET NO. 3 OF 4 SHEETS

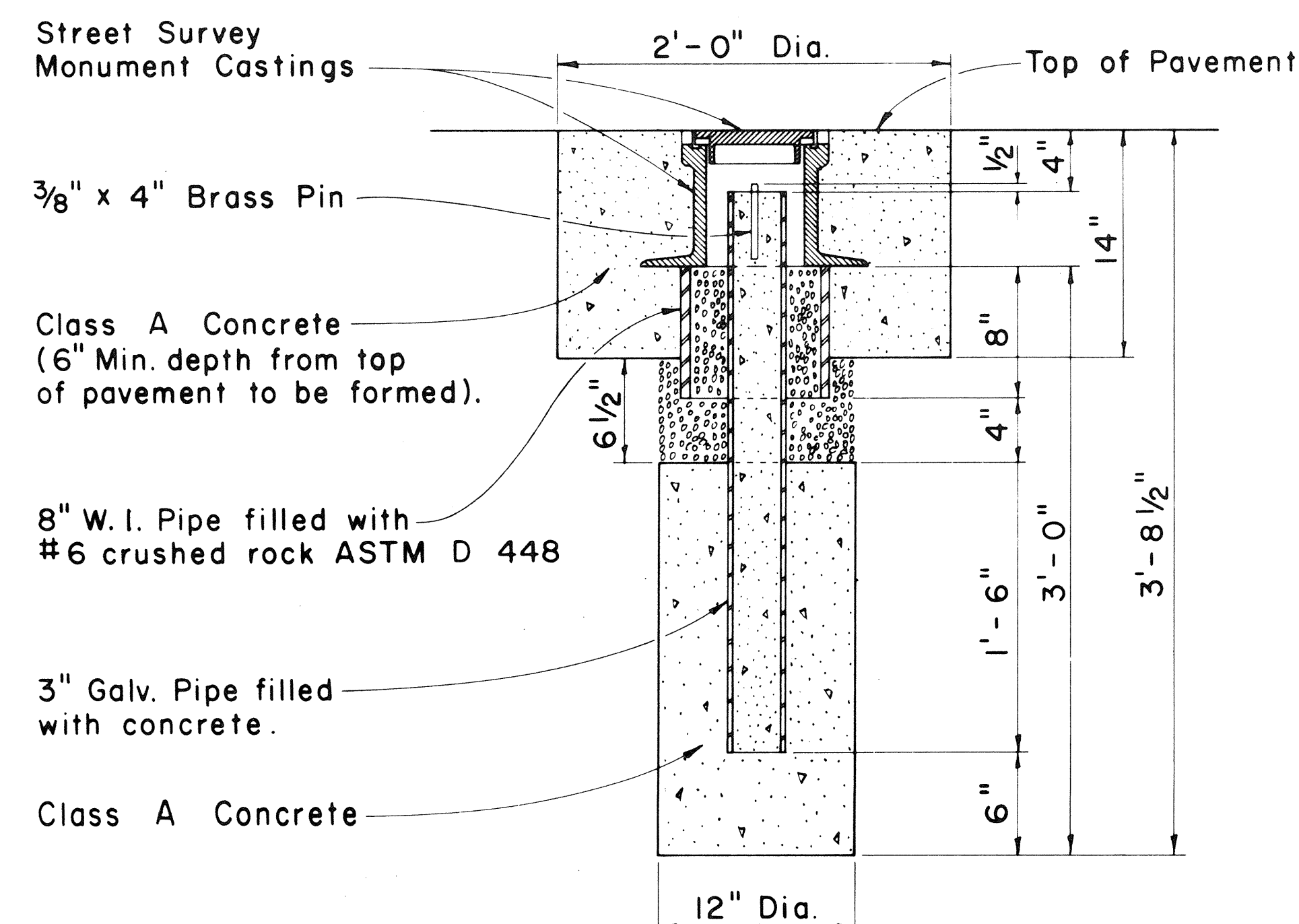
SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NO.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93A-01-86M	1986	22	52



STREET SURVEY MONUMENT CASTINGS

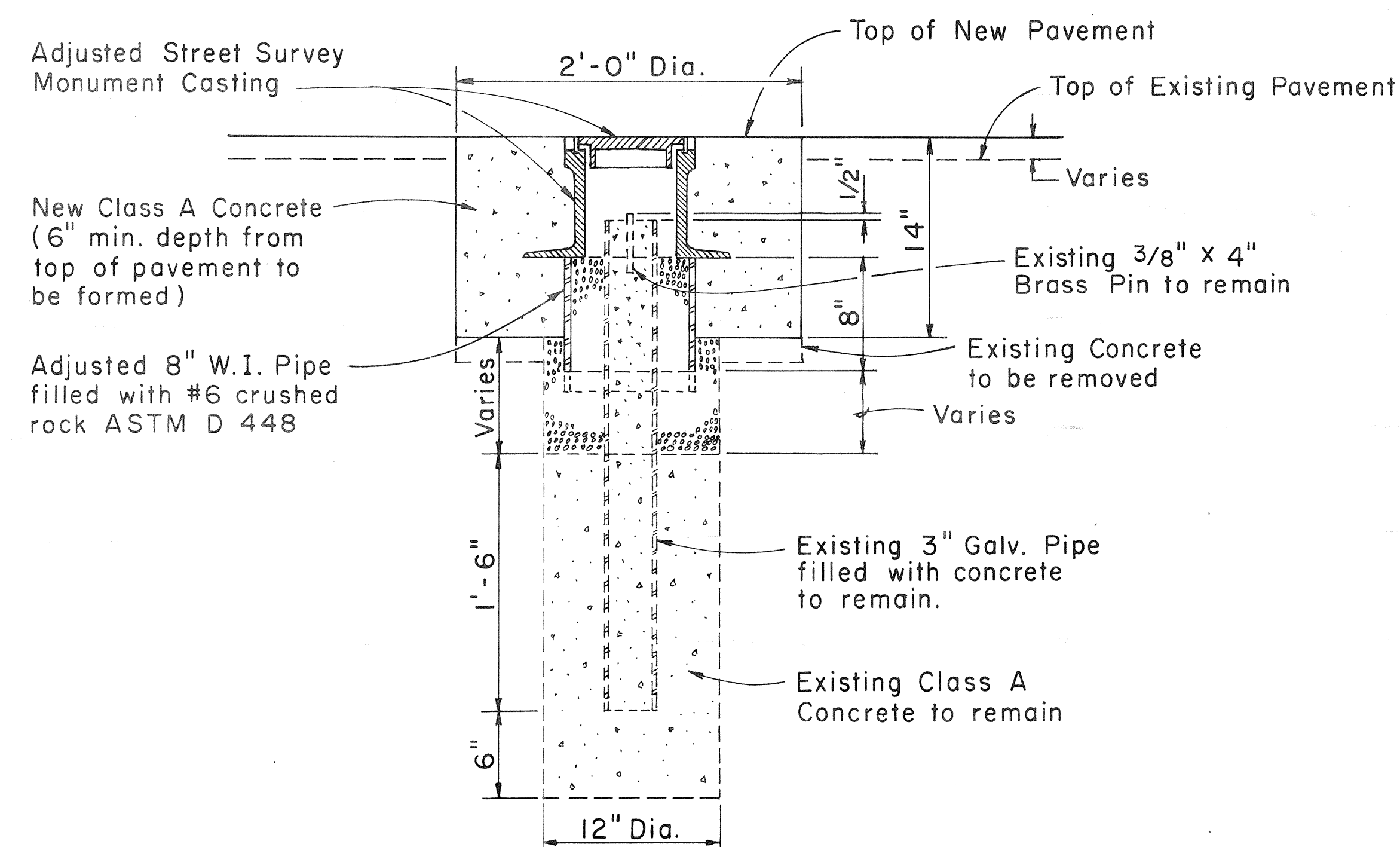
Scale: 3" = 1'-0"



NOTE:
Where the excavation extends into solid rock the depth may be decreased if approved by the Engineer.

STREET SURVEY MONUMENT

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



DETAILS FOR ADJUSTED STREET SURVEY MONUMENT

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

APPROVAL RECOMMENDED:
M. Hirose
HIGHWAY DESIGN ENGINEER 12-4-69
DATE

APPROVED:
John J. Sakai
ASSISTANT CHIEF, ENGINEERING 12-10-69
DATE

NO.	REVISION	APPROVED BY	DATE
1	Deleted "Detail For Centerline & Reference Survey Monument," added "Detail For Adjusted Street Survey Monument" and deleted "C & C" Inscription on Cover.	<i>J. J. Sakai</i>	6-22-83

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS

STREET SURVEY MONUMENT

SCALE: AS SHOWN

SHEET No. 4 OF 4 SHEETS DD 614.1