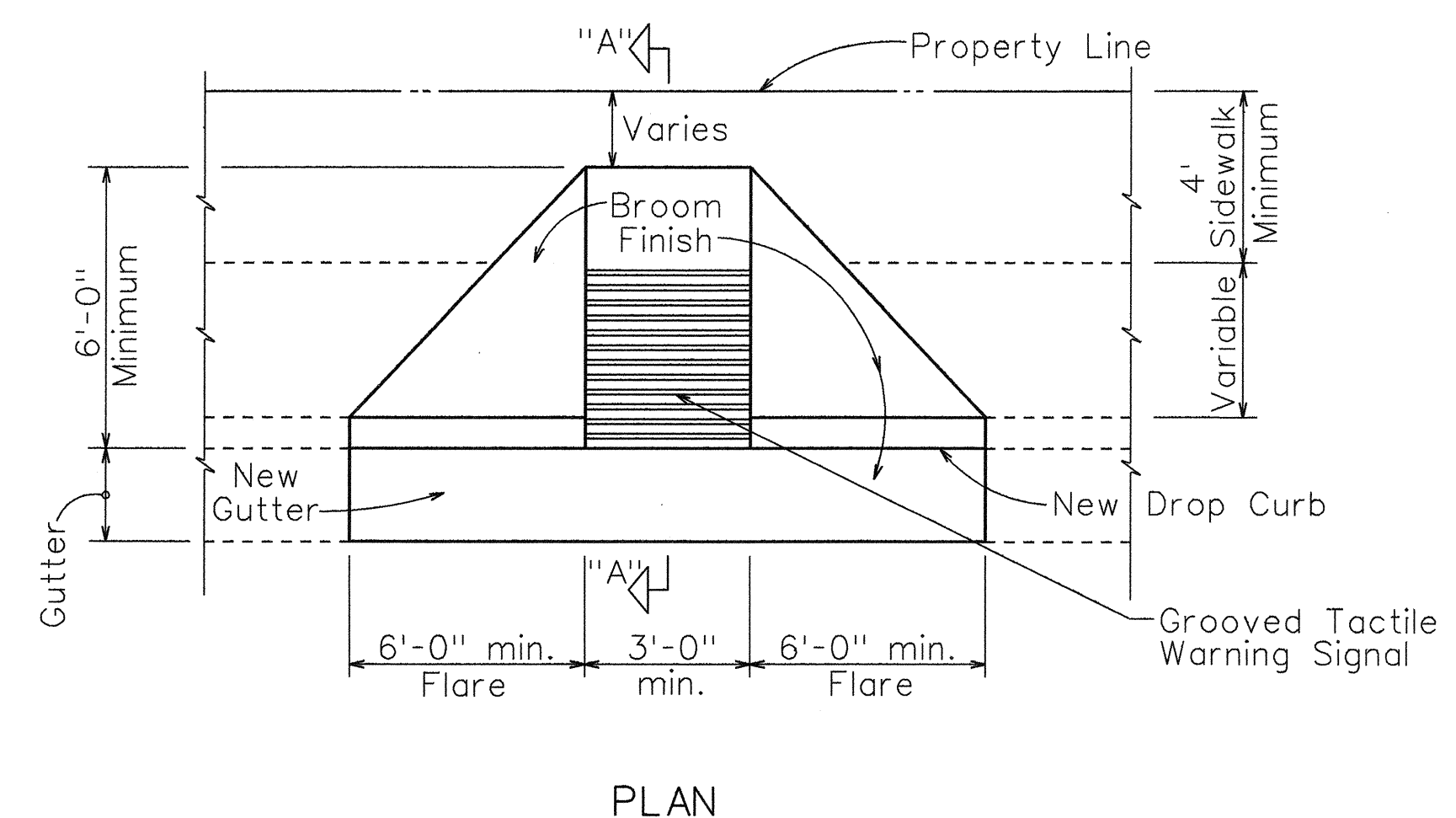
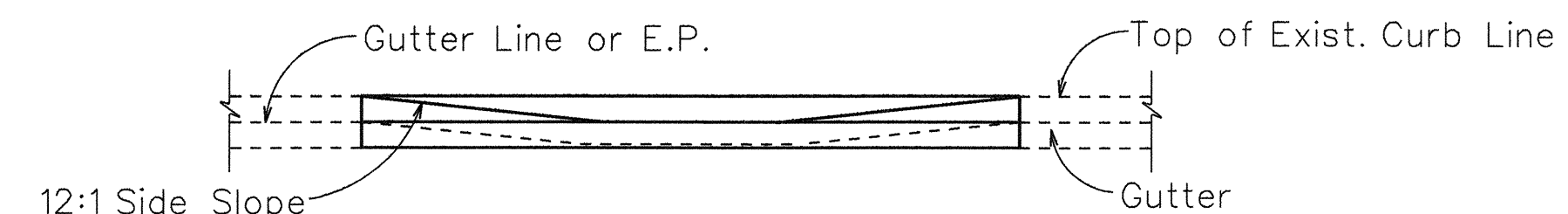


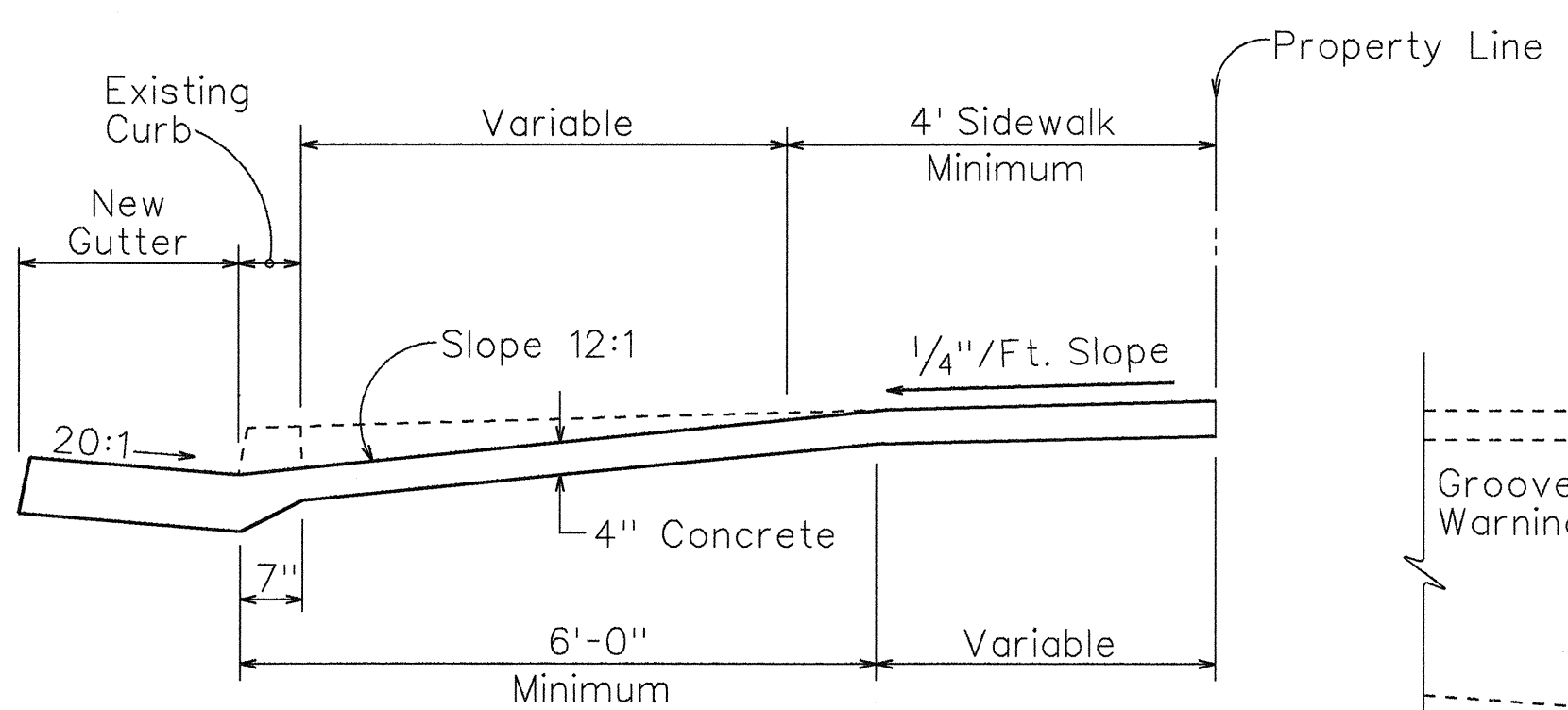
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-080-1(10)	1994	14	17



PLAN



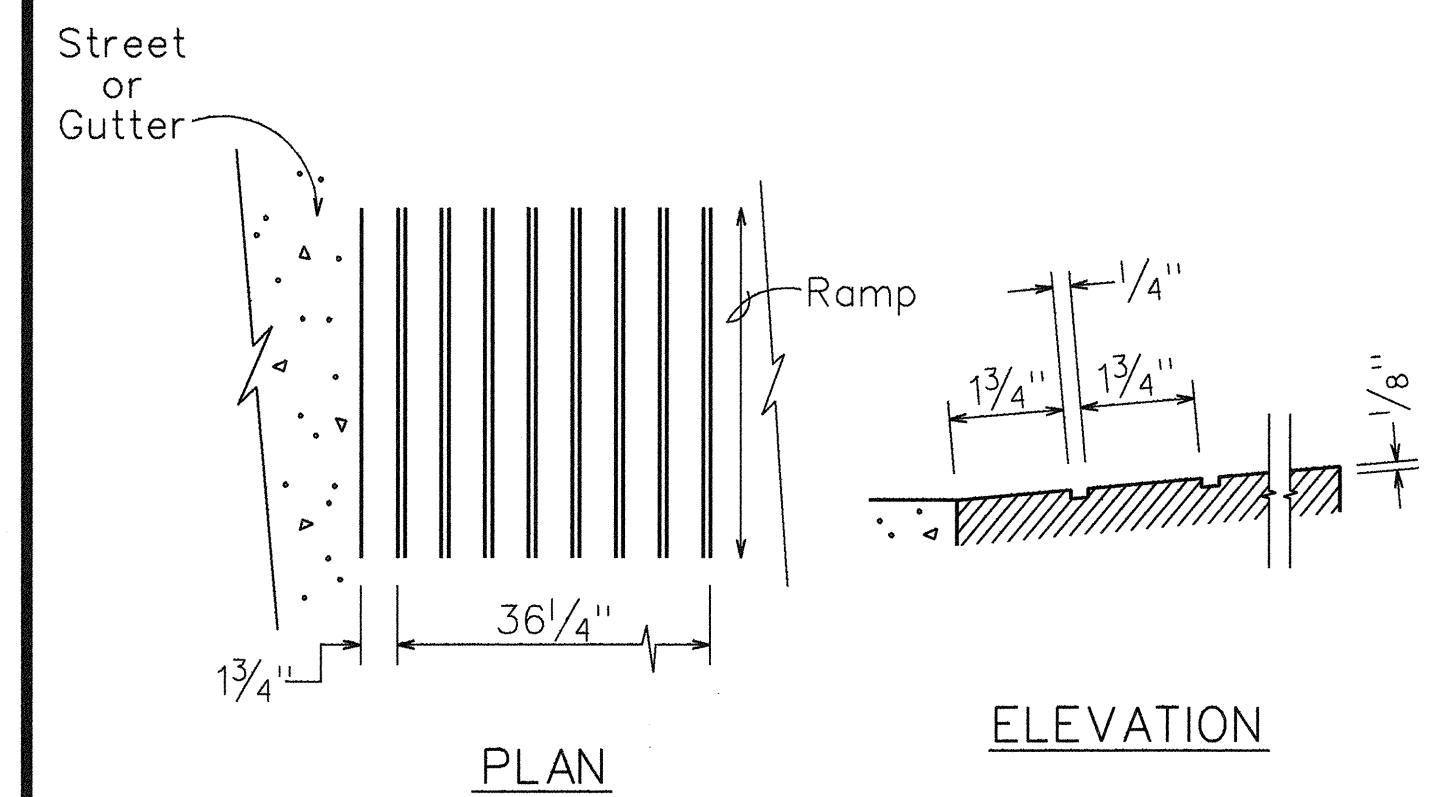
ELEVATION



SECTION "A-A"

WHEELCHAIR RAMP - TYPE "A"

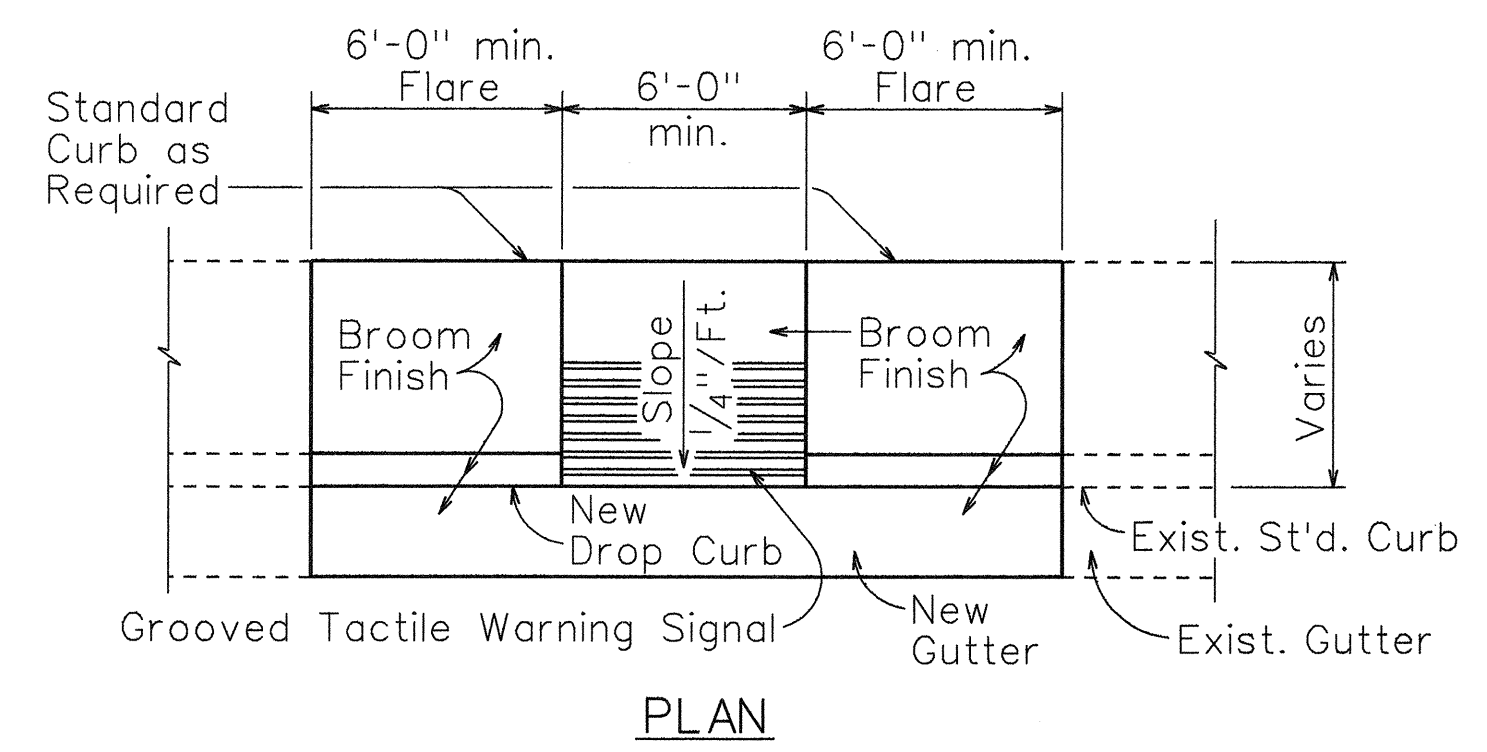
USE WHERE OBSTRUCTIONS EXIST



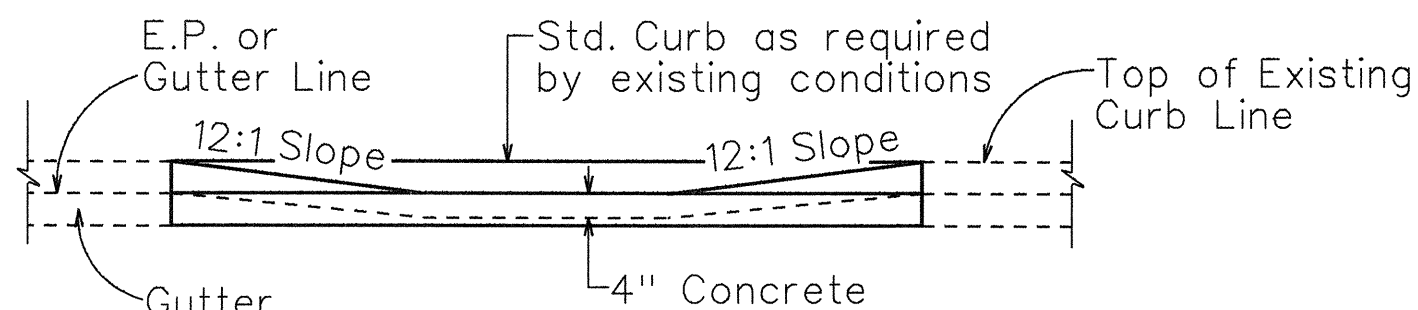
PLAN

ELEVATION

GROOVED TACTILE WARNING SIGNAL



PLAN

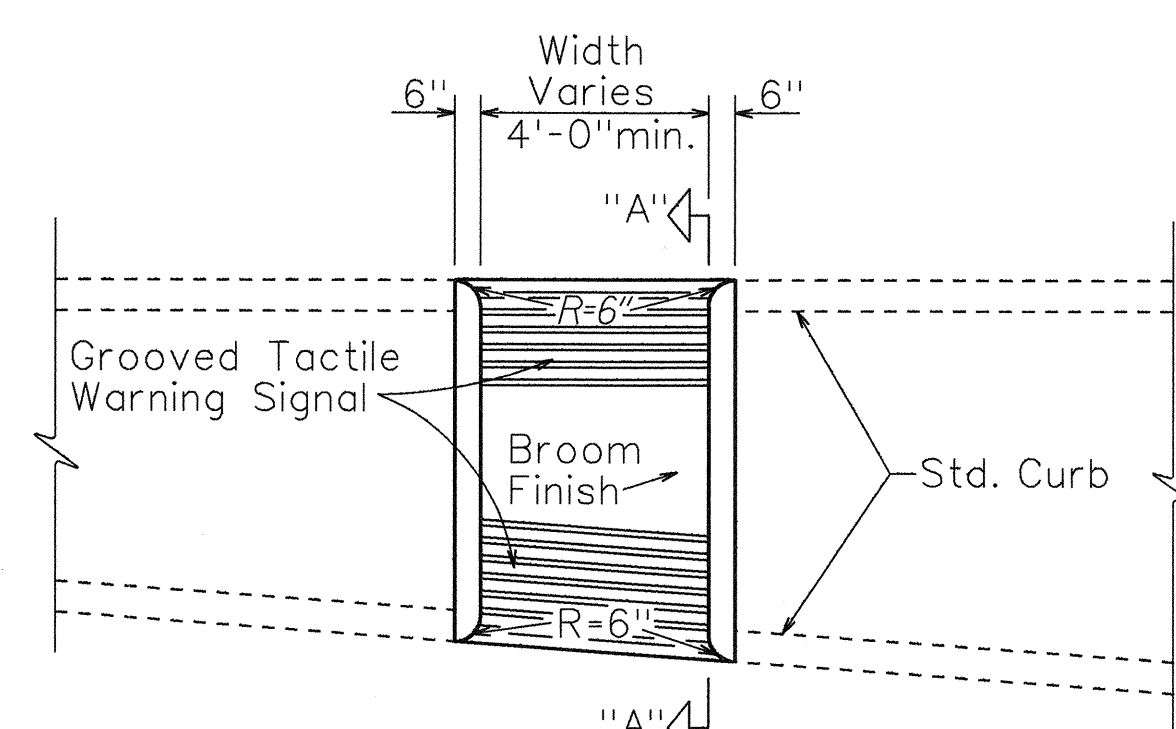


ELEVATION

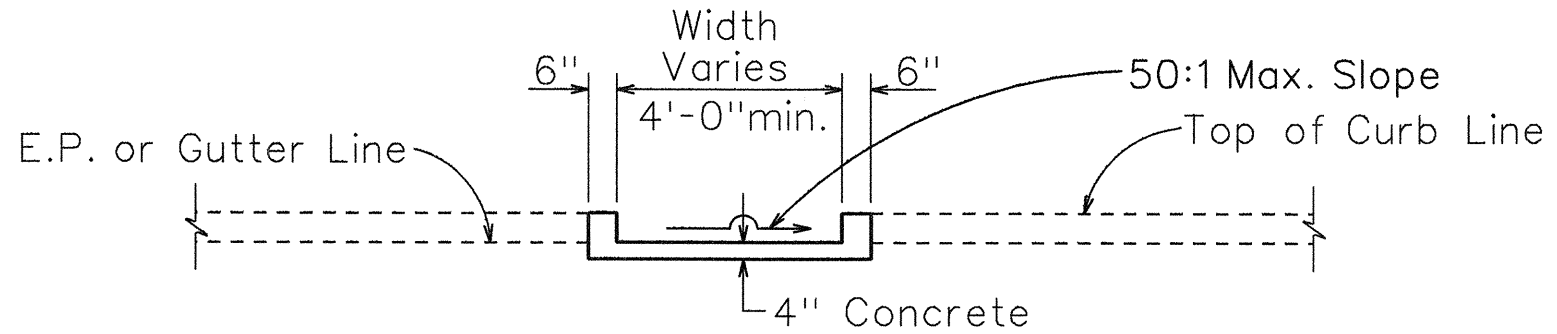
WHEELCHAIR RAMP - TYPE "B"

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

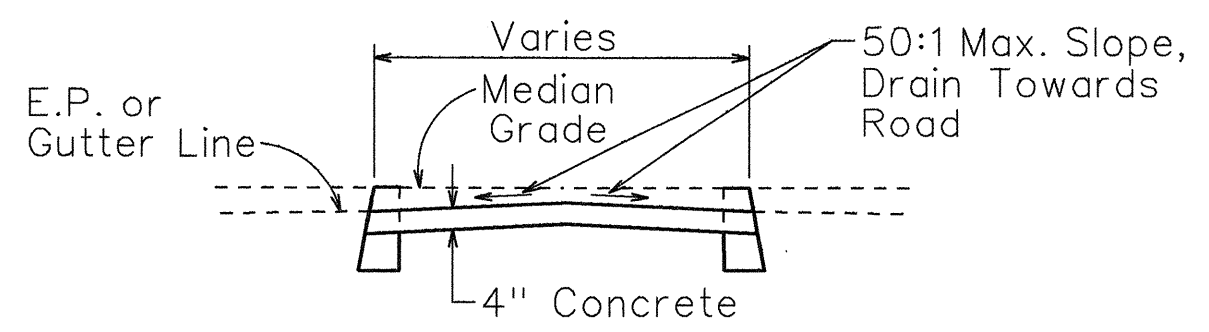
Not to Scale



PLAN



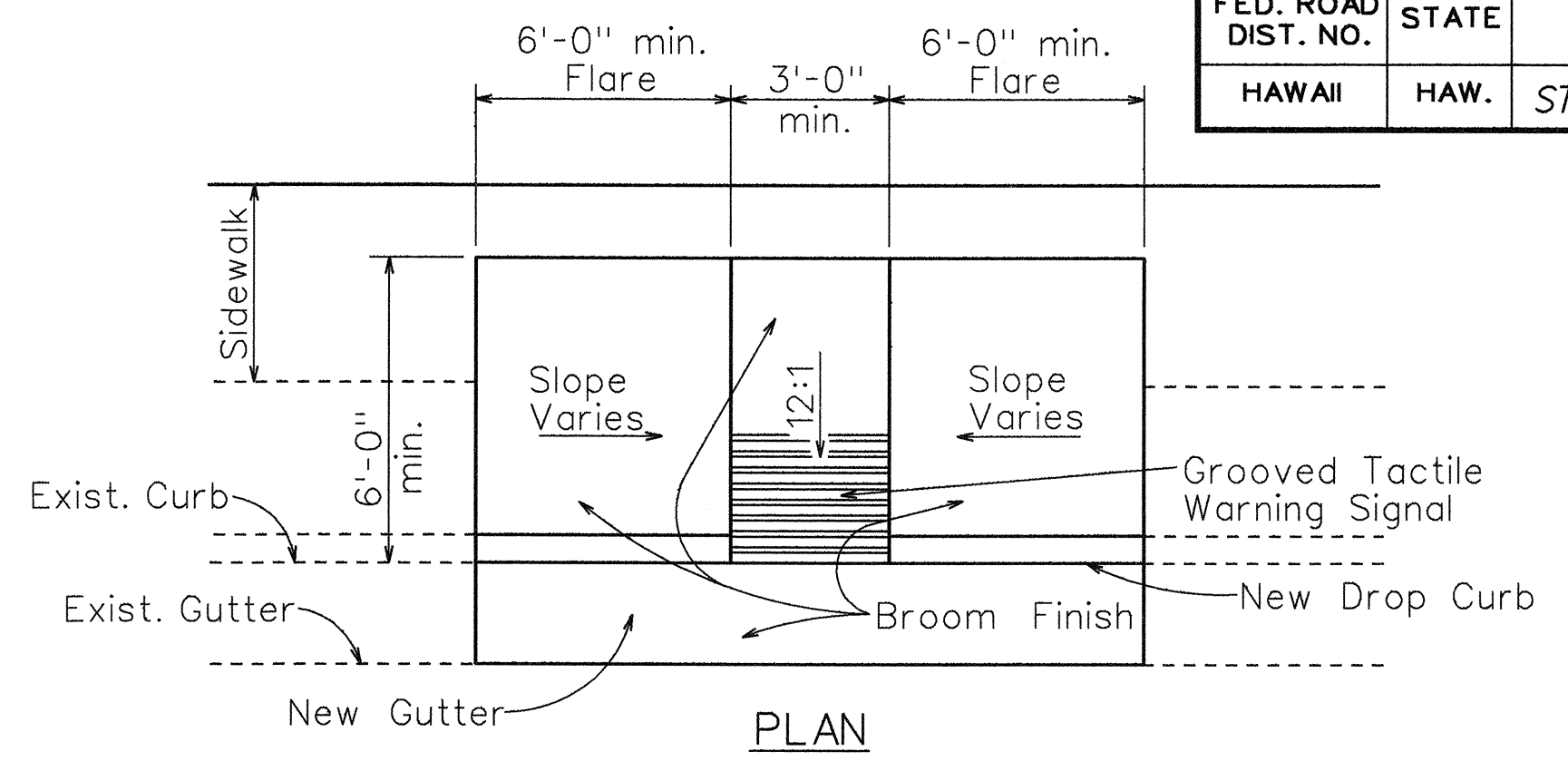
ELEVATION



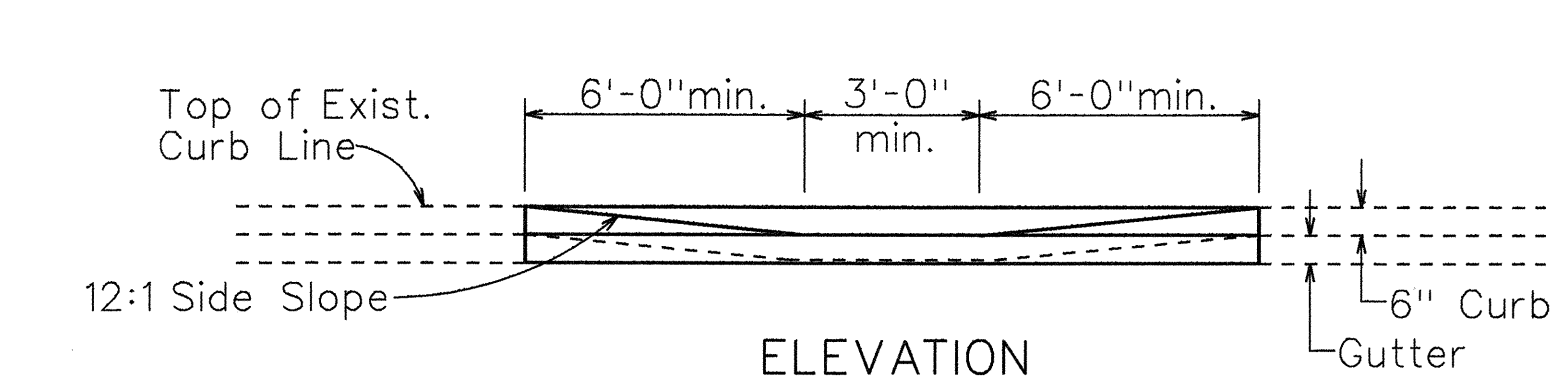
SECTION "A-A"

WHEELCHAIR RAMP - TYPE "C"

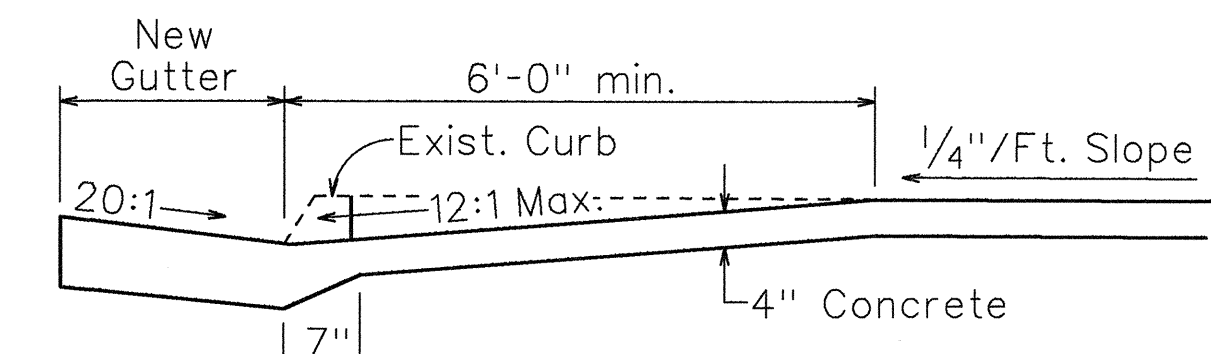
USE AT MEDIAN CROSSINGS, ISLANDS



PLAN

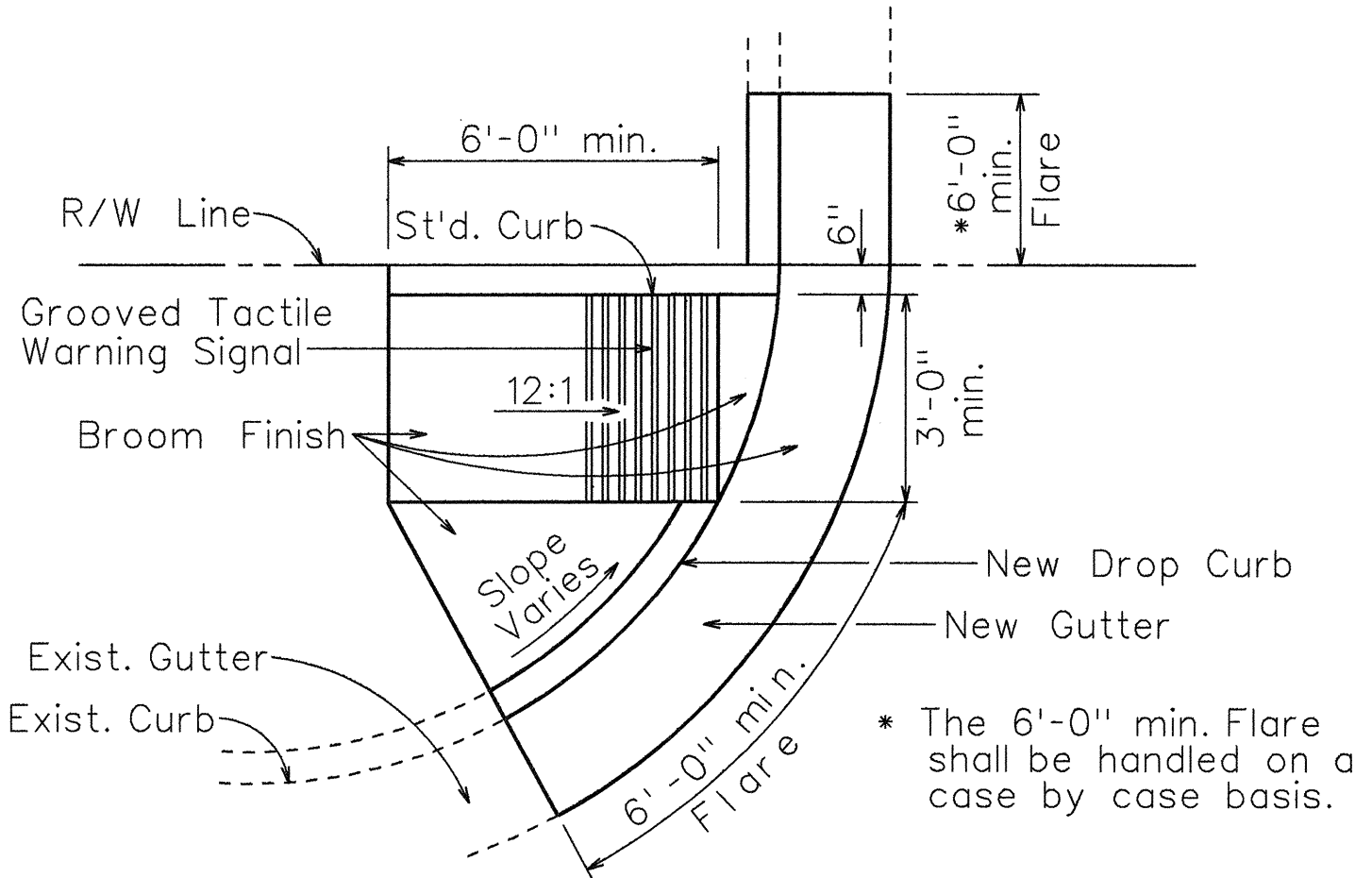


ELEVATION



TYPICAL SECTION

WHEELCHAIR RAMP - TYPE "D"



WHEELCHAIR RAMP - TYPE "E"

USE AT CURBED DRIVEWAYS

GENERAL NOTES:

1. The New Gutter fronting the 3'-0" min. wheelchair ramp shall not exceed a slope of 20:1. Areas without a gutter shall be handled on a case by case basis in order to meet the 20:1 slope requirement.
2. The New Gutter fronting the 6'-0" min. Flares on both sides of the new 3'-0" min. wheelchair ramp shall have a transition slope from 20:1 to the existing gutter slope.
3. When an existing curb exceeds the standard 6" height and 48" is not provided at the top of the ramp, side flares shall have a maximum slope of 12:1.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WHEELCHAIR RAMP DETAILS

KAMEHAMEHA HIGHWAY IMPROVEMENTS
Wilson Bridge to Kilani Ave.
FED. AID PROJECT NO. STP-080-1(10)

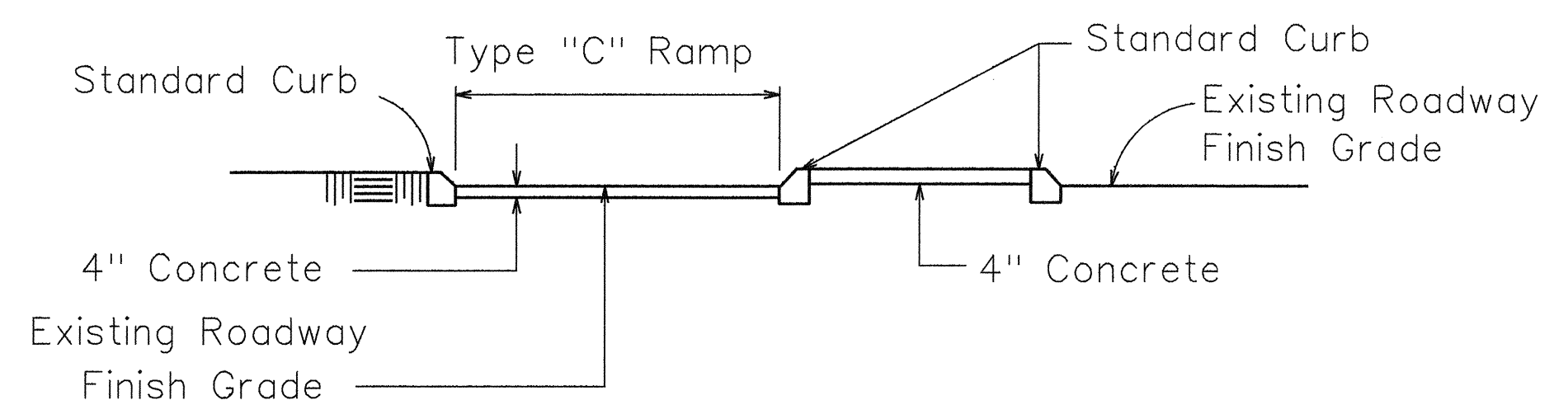
Not to Scale Date: Nov., 1993

SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-080-1(10)	1994	15	17

NOTES:

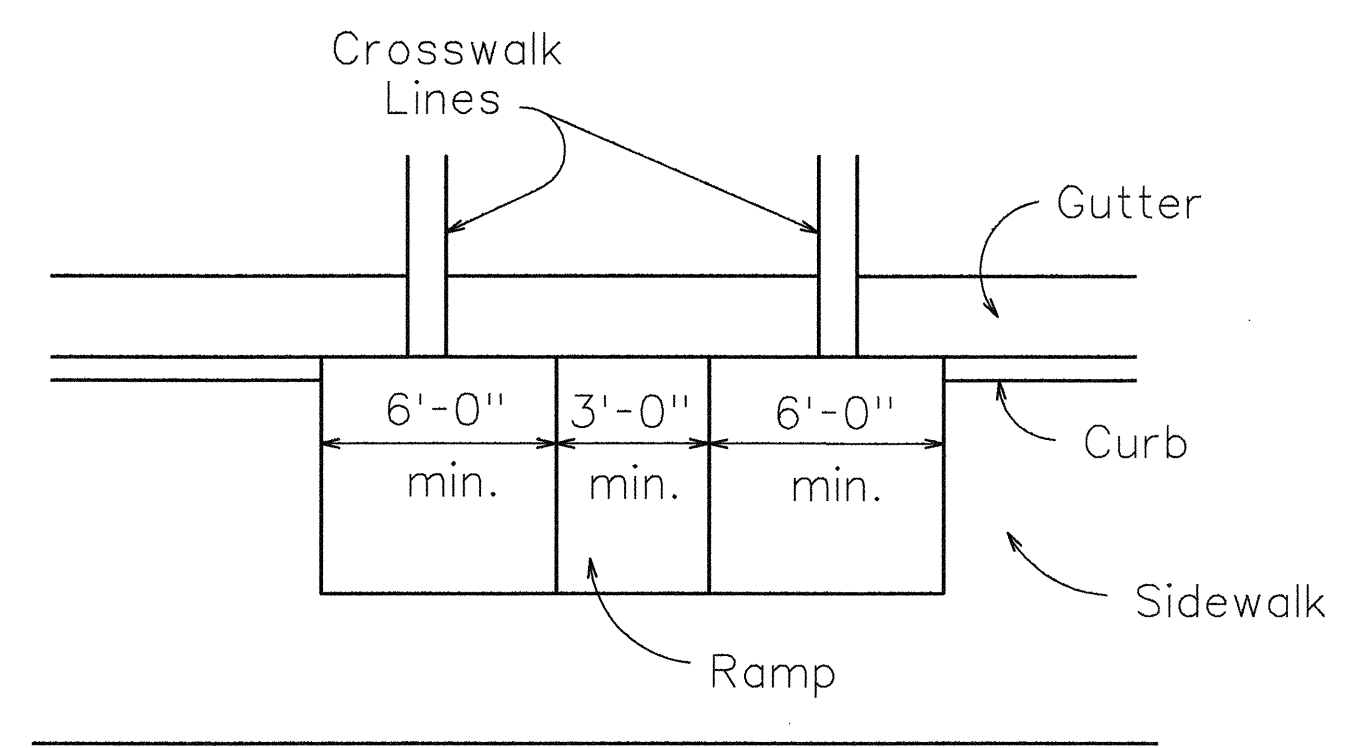
1. When necessitated by existing physical conditions, alternate Wheelchair Ramps may be used subject to Engineer's approval.
2. Subject to field conditions, the Engineer shall determine final location of Wheelchair Ramp.
3. Where necessary, pullboxes, handholes, manholes, etc. shall be adjusted to match Wheelchair Ramp grade. Adjustments shall not be paid for separately but considered incidental to the various wheelchair items.
4. For additional details, refer to Plan Sht. Nos. 10 & 14.
5. Wheelchair Ramps shall be reinforced if adjacent sidewalks are reinforced.



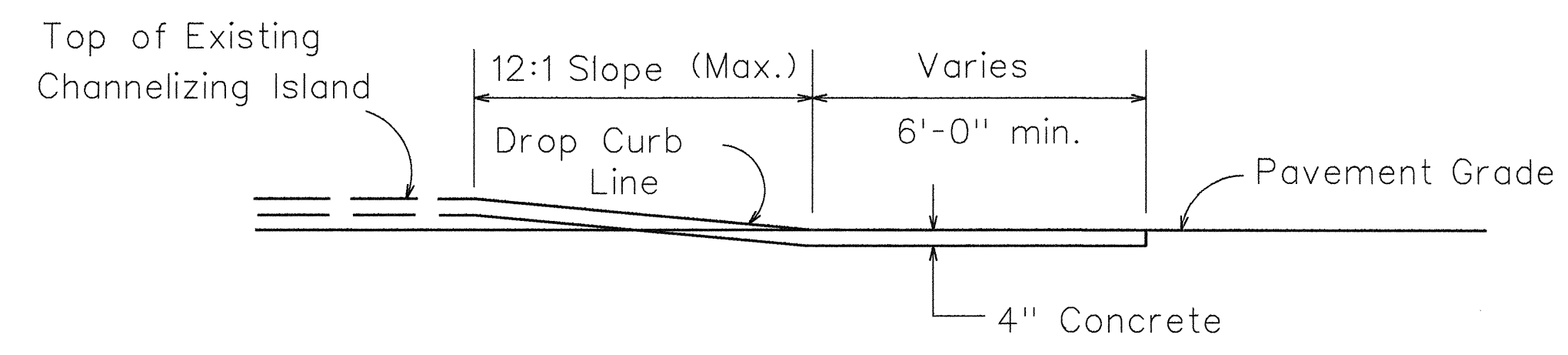
SECTION "A-A"

USE AT MEDIAN NOSE CROSSINGS

For Additional details, see Type "C" Wheelchair Ramp



TYPICAL INSTALLATION AT CROSSWALKS

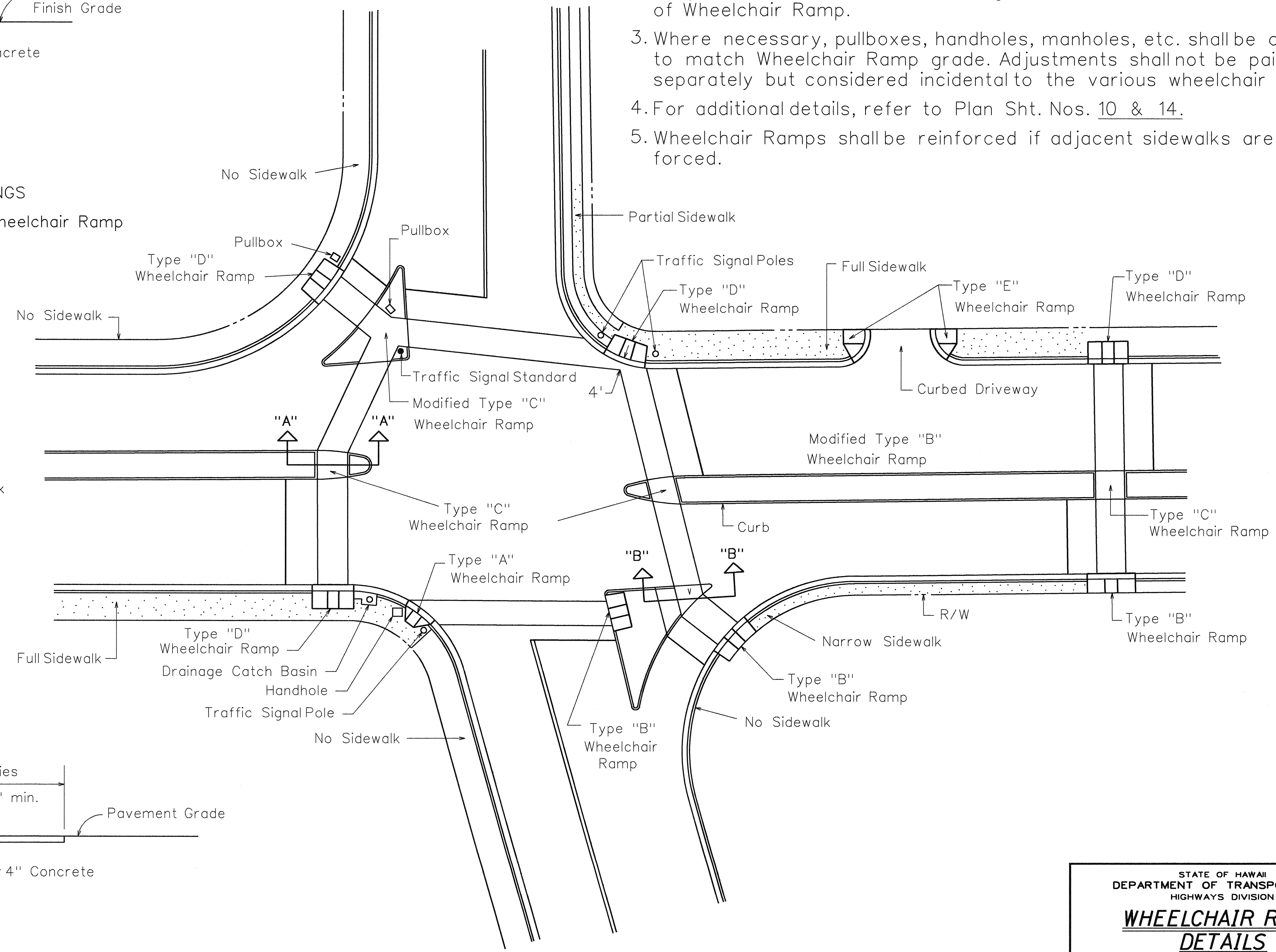


SECTION "B-B"

TYPE "B" MODIFIED WHEELCHAIR RAMP

USE AT INTERSECTION OF 2 CROSSWALKS ON CHANNELIZING ISLAND

For Additional details, see Type "B" Wheelchair Ramp



TYPICAL WHEELCHAIR RAMPS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**WHEELCHAIR RAMP
DETAILS**

KAMEHAMEHA HIGHWAY IMPROVEMENTS
Wilson Bridge to Kilani Ave.
FED. AID PROJECT NO. STP-080-1(10)

Not to Scale

Date: Nov., 1993

SHEET No. 2 OF 2 SHEETS