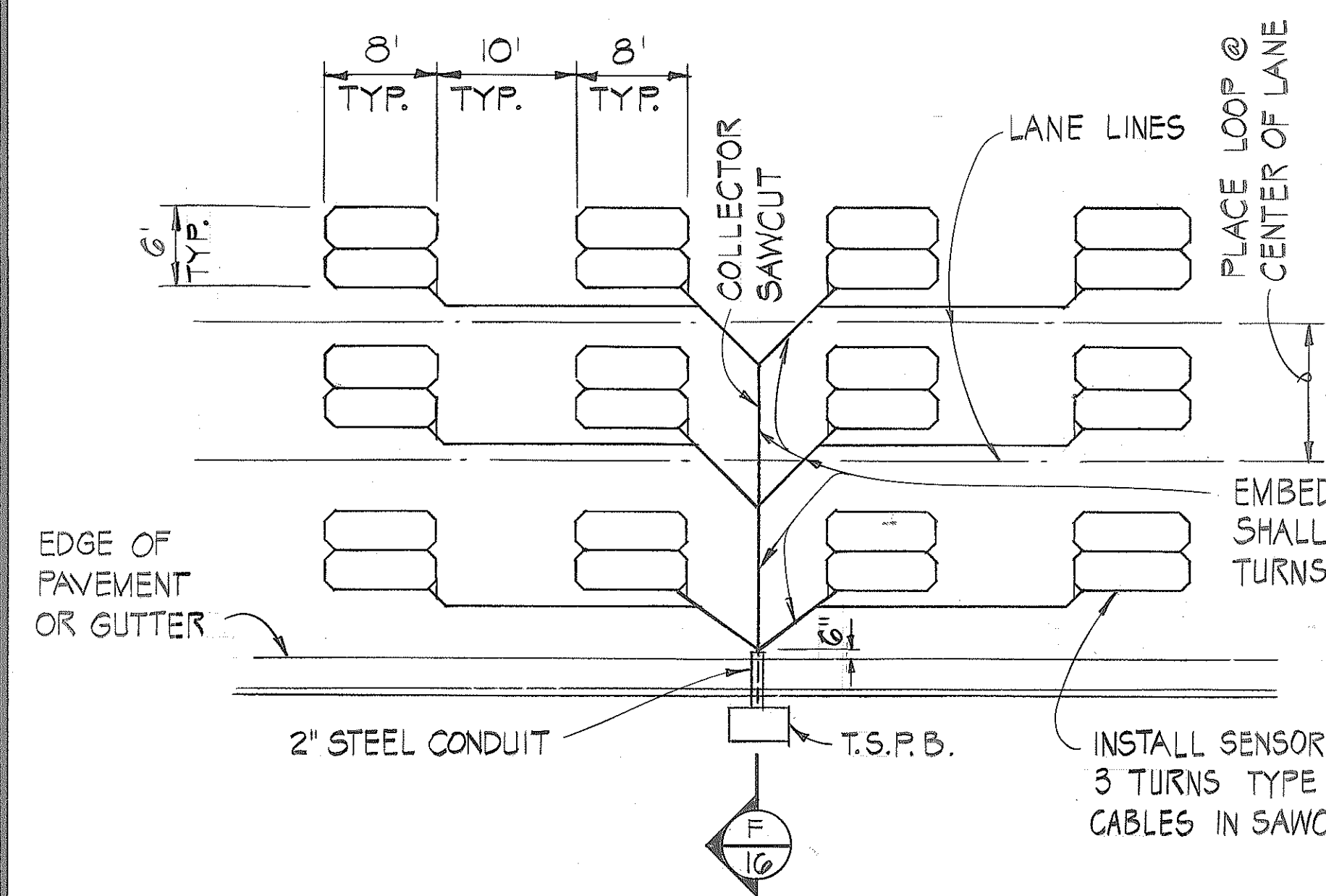
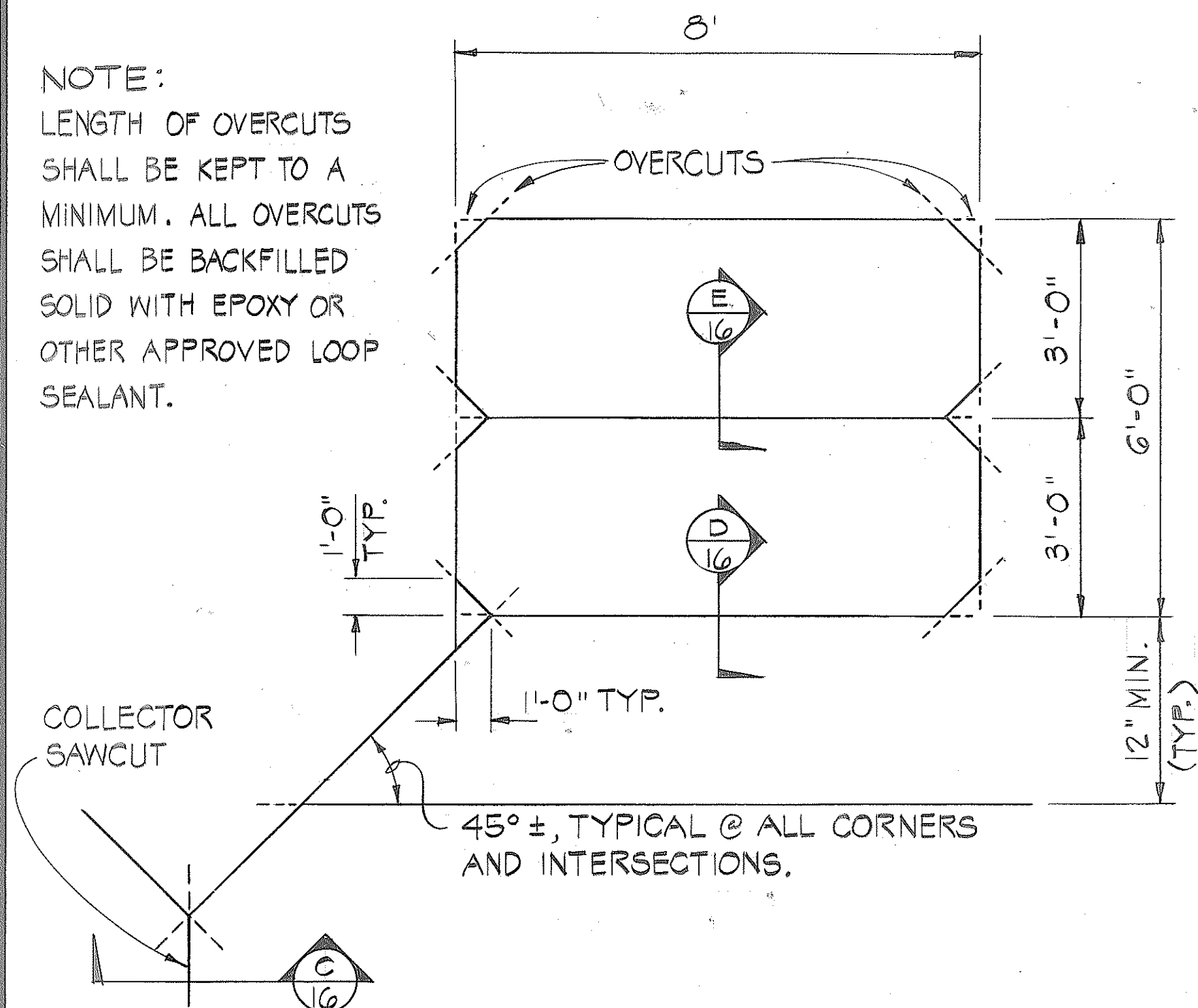


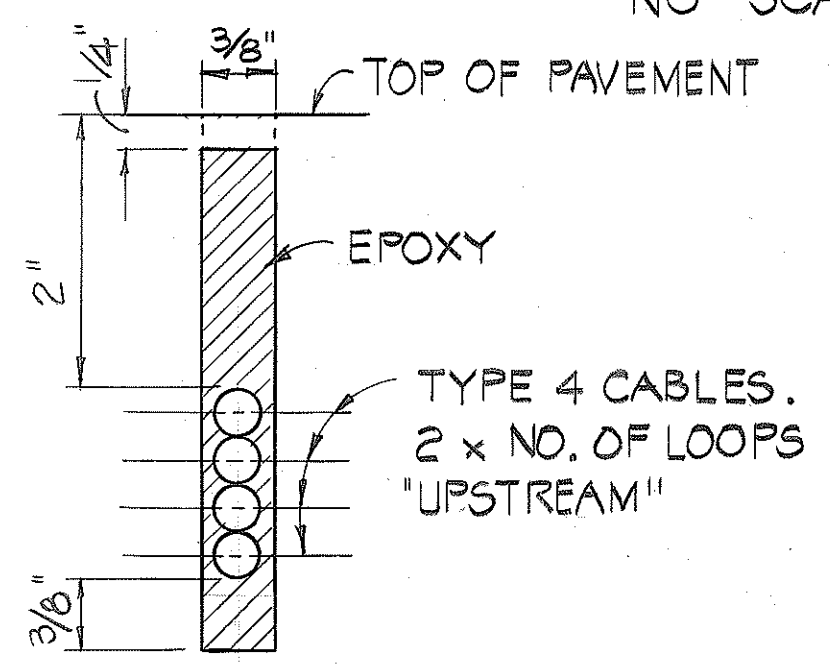
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HES-092-1 (20)	1985	16	33



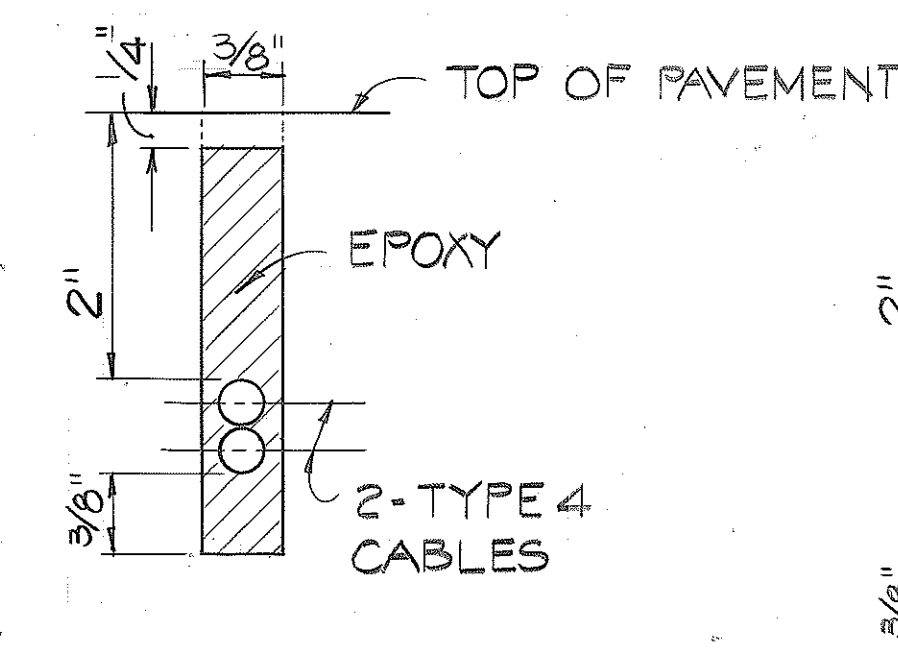
TYPICAL SENSOR LOOP LAYOUT (A) 16
NO SCALE



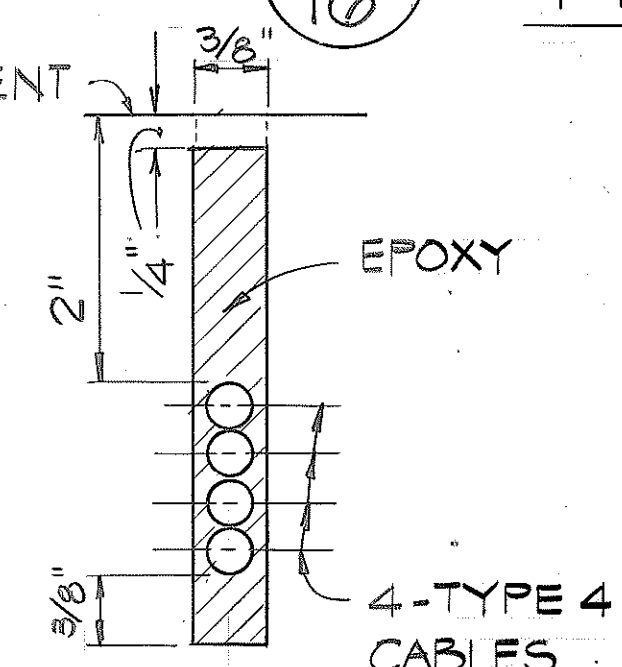
TYPICAL SAWCUT LAYOUT FOR EACH LOOP (B) 16
NO SCALE



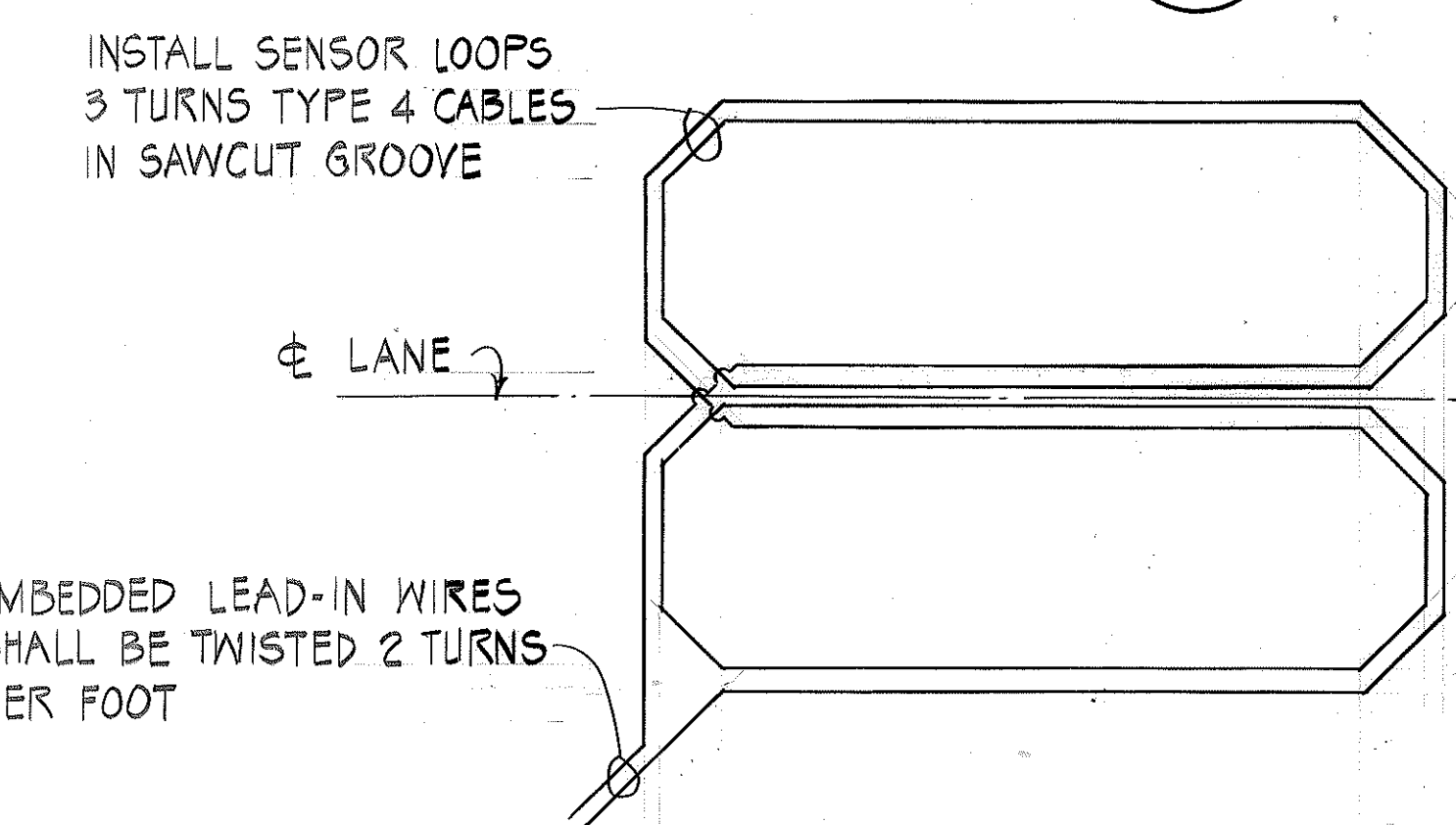
SECTION C (C) 16
NO SCALE



SECTION D (D) 16
NO SCALE

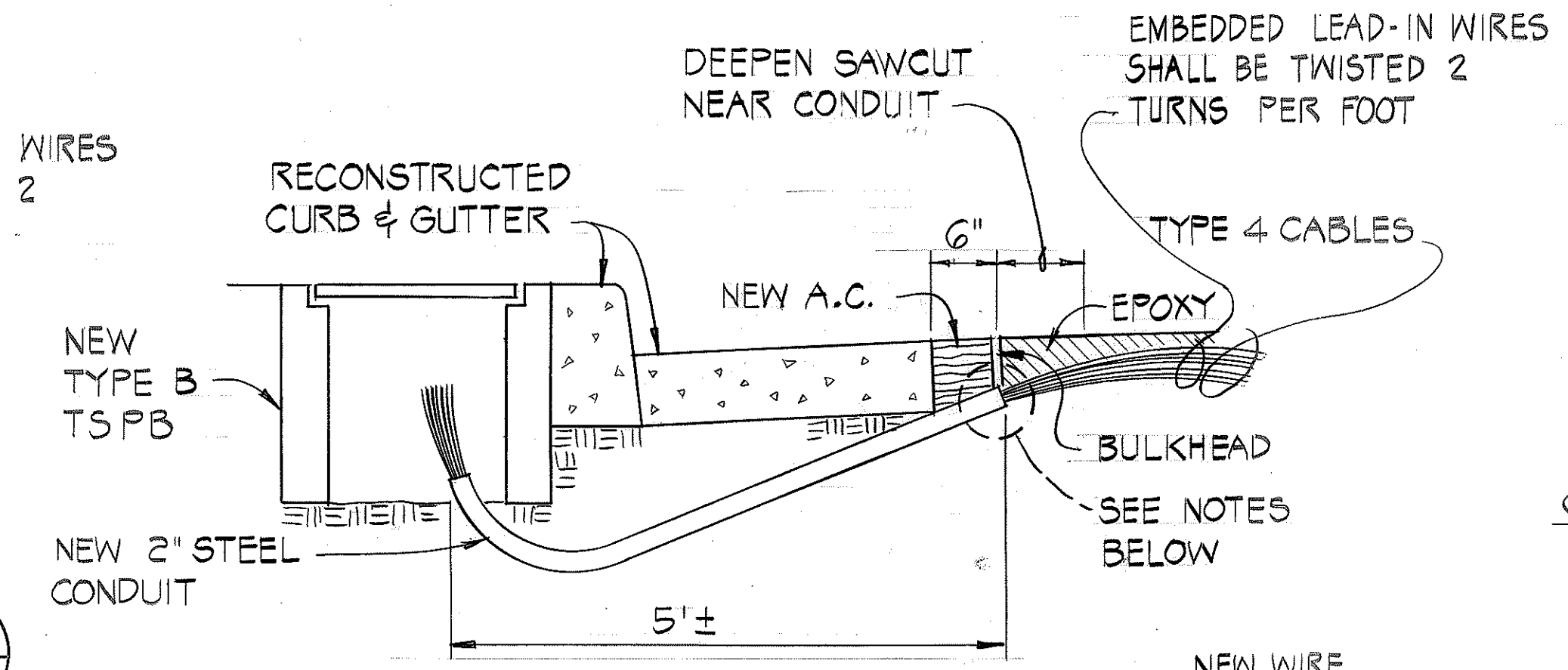


SECTION E (E) 16
NO SCALE

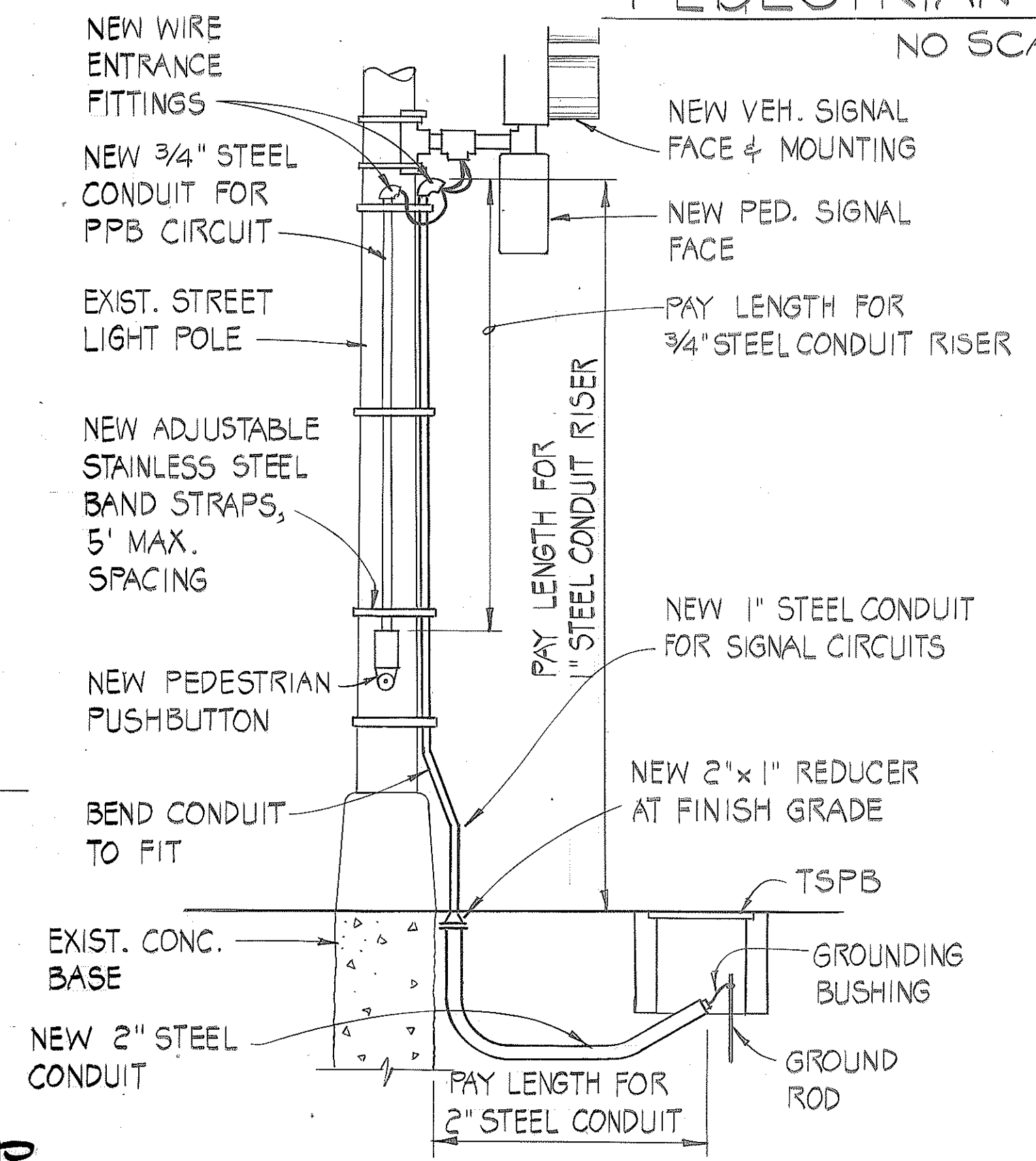


TYPICAL SENSOR LOOP WIRING DIAGRAM (G) 16
NO SCALE

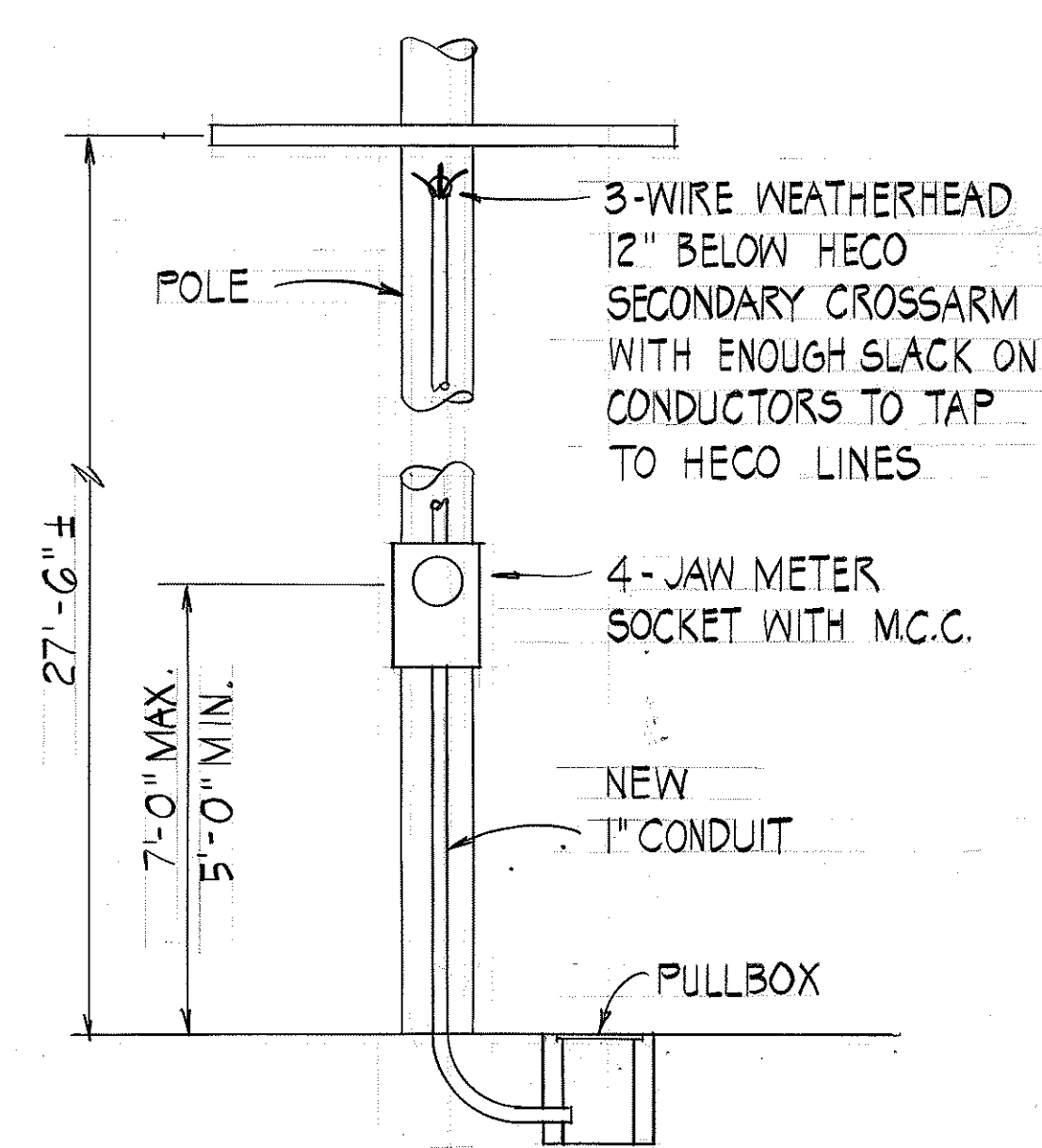
- NOTES:
1. SEAL ROADWAY END OF CONDUIT AFTER INSTALLATION OF CONDUCTORS.
 2. INSTALL BULKHEADS ACROSS CONDUIT TRENCH.
 3. PLACE EPOXY IN SAWCUT.
 4. BACKFILL OVER CONDUIT WITH NEW A.C.
 5. RECONSTRUCT CURB AND GUTTER AS REQUIRED.



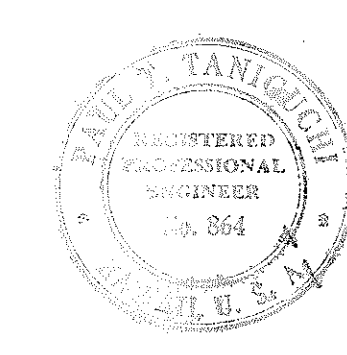
PEDESTRIAN SIGNAL MOUNTINGS (H) 16
NO SCALE



STREET LIGHT POLE RISER DETAIL (I) 16
NO SCALE



NEW METER INSTALLATION DETAIL (J) 16
NO SCALE



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS TRAFFIC DETAILS

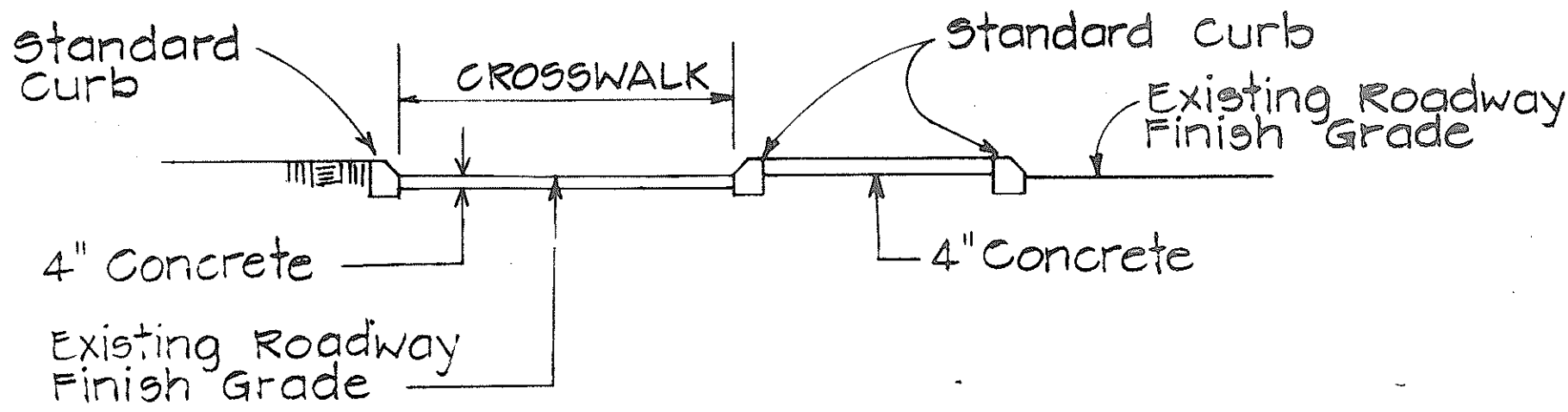
MODERNIZATION OF TRAFFIC SIGNAL SYSTEMS.
ALA MOANA BLVD., PUNCHBOWL ST. TO YARD AVE.
PROJECT NO. HES-092-1 (20)

SCALE: AS SHOWN DATE: 11/2/84

SHEET No. 1 OF 1 SHEETS

DATE	.....
SURVEY PLOTTED BY	.....
DESIGNED BY	.....
NOTED BY	.....
CHECKED BY	.....
ORIGINAL PLAN	.....
NOTE BOOK	.....
NO.	.....

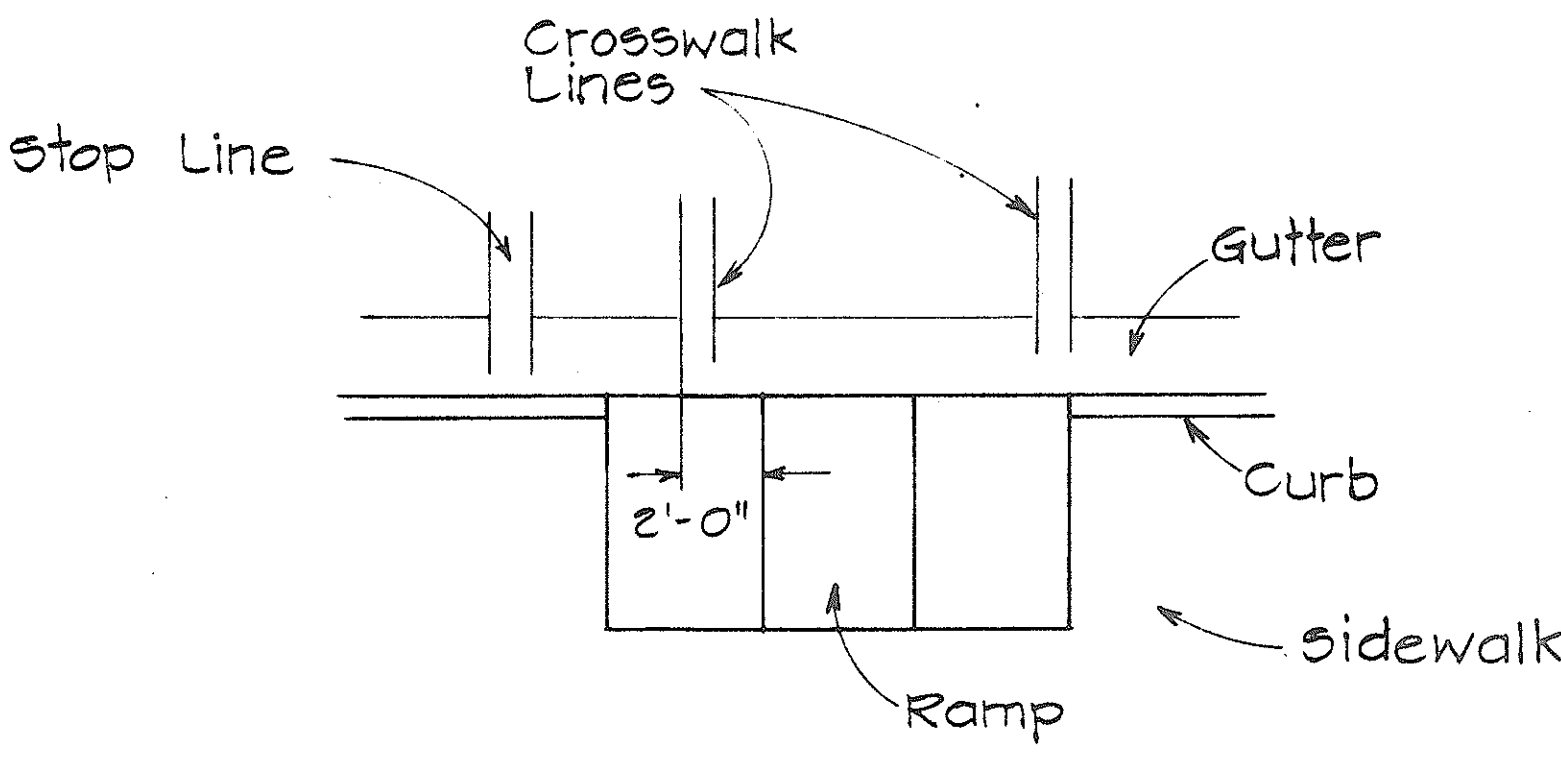
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HES-092-1 (20)	1985	17	33



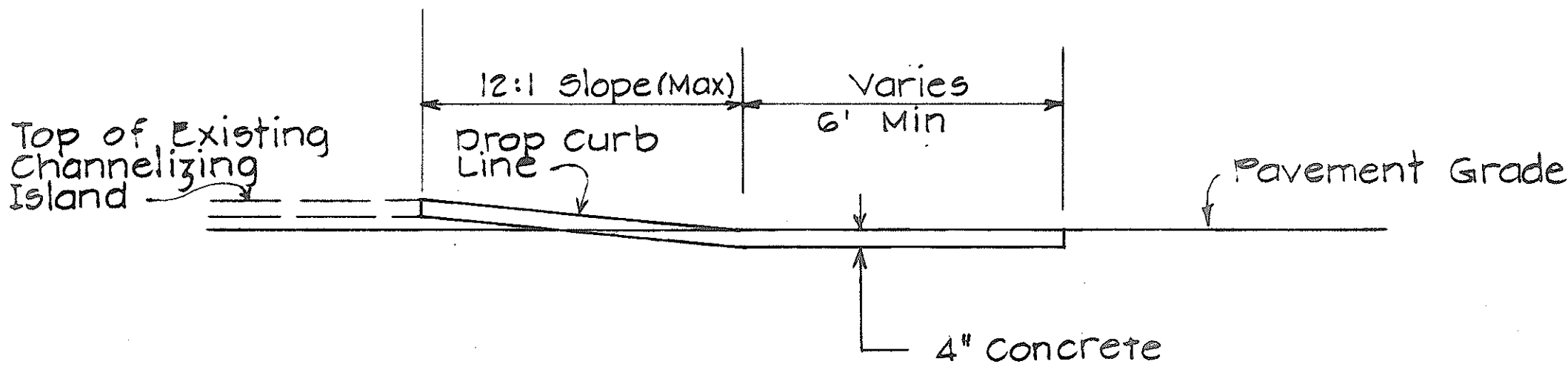
SECTION "A-A"

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"

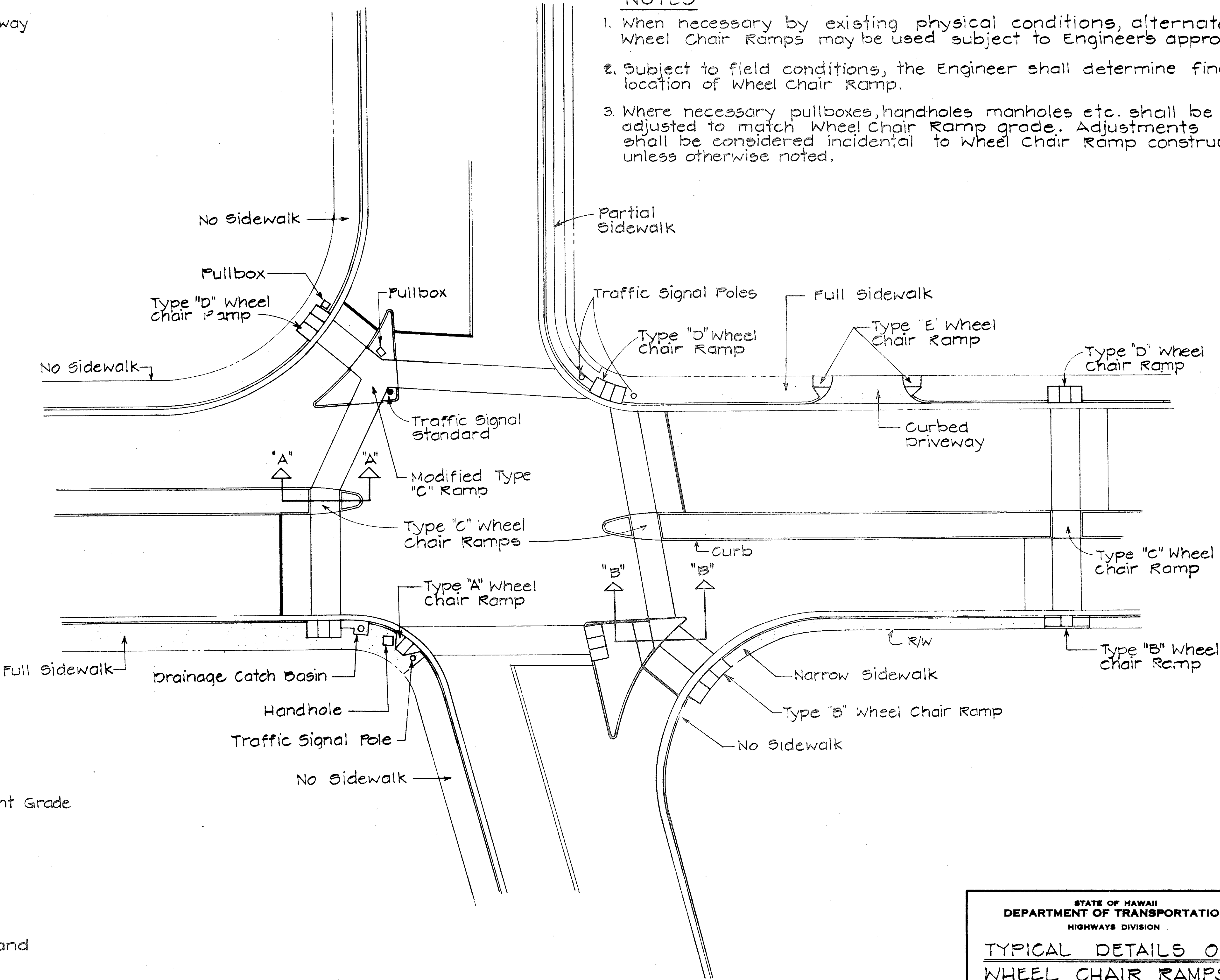
TYPE "B" MODIFIED WHEEL CHAIR RAMP

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 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 WHEELCHAIR RAMPS
Scale: 1" = 20'

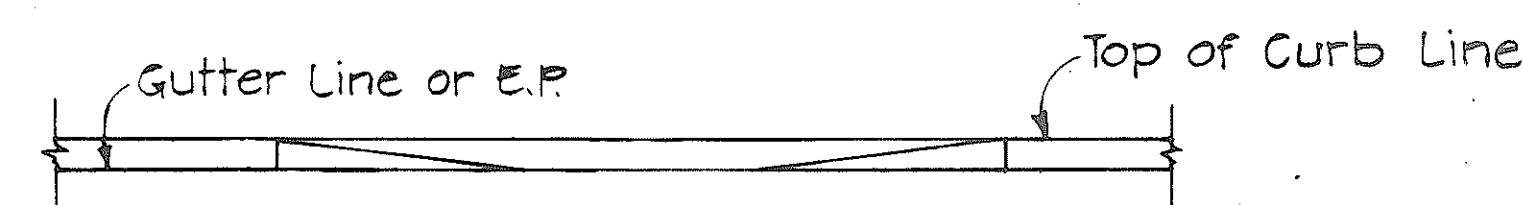
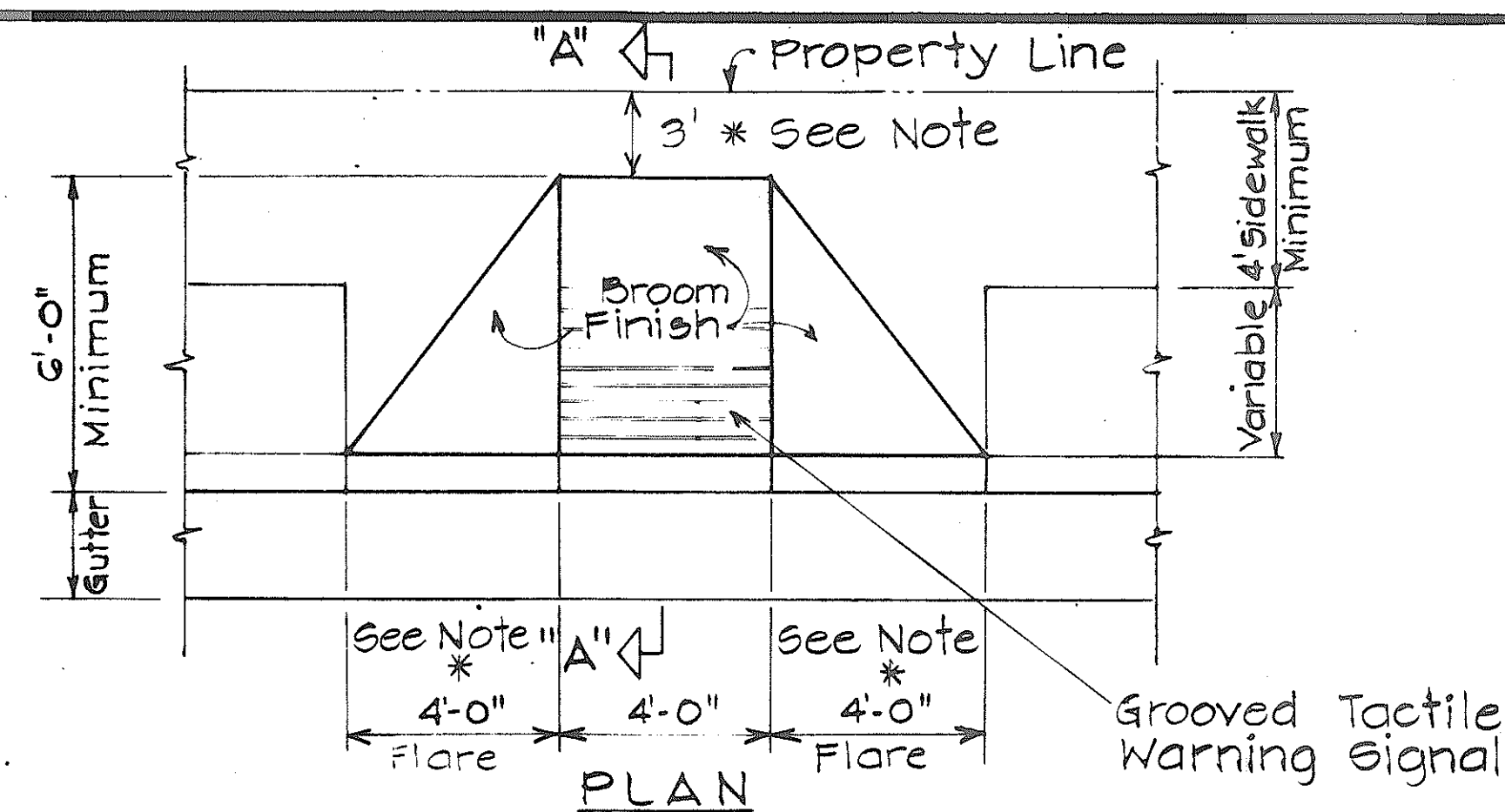
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL DETAILS OF
WHEEL CHAIR RAMPS

Scale: As Shown

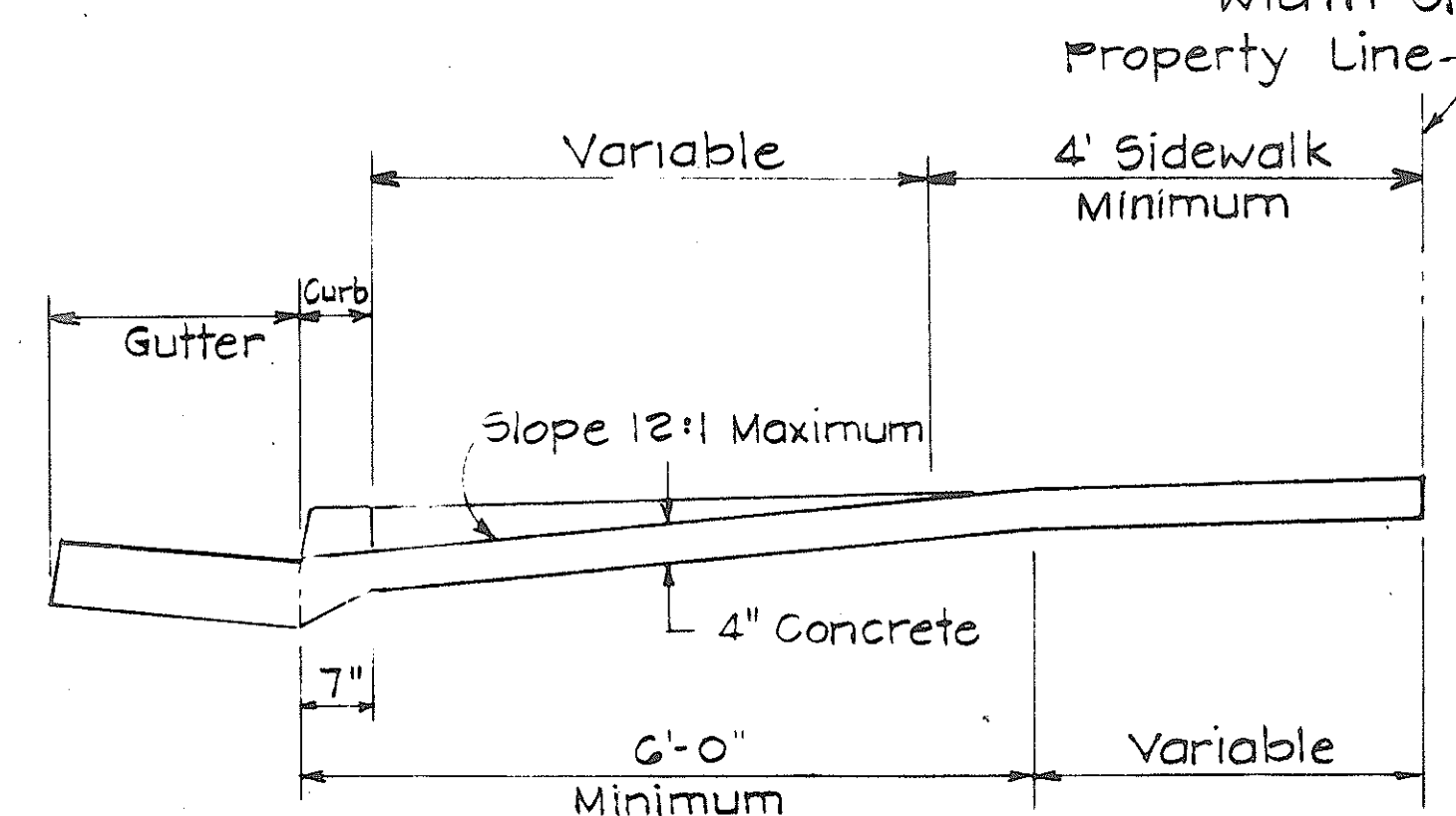
SHEET NO. 1 OF 2 SHEETS

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

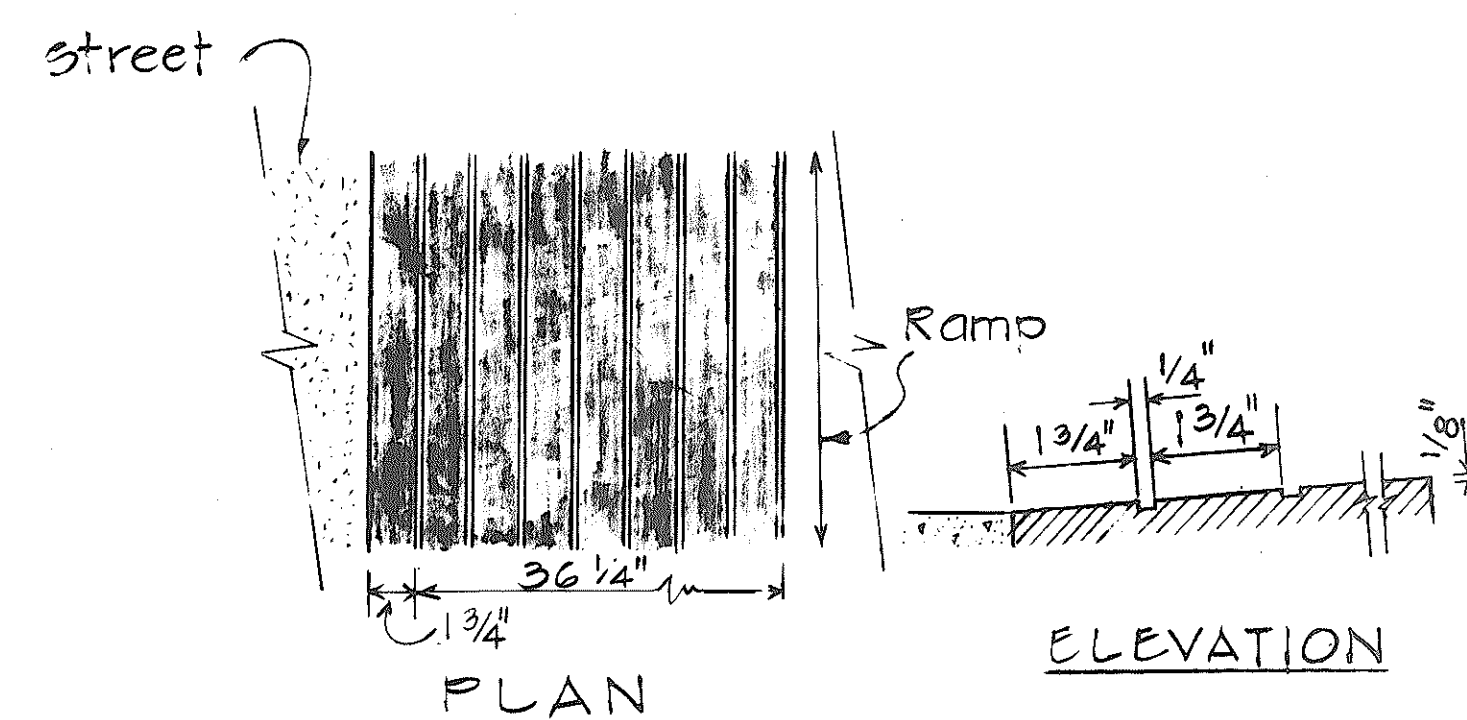
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HES-092-1 (20)	1985	18	33



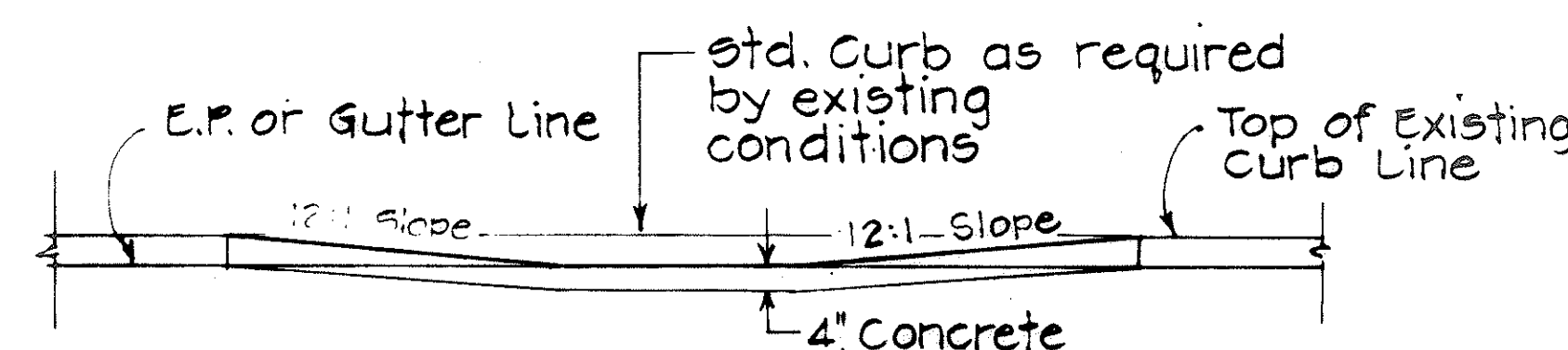
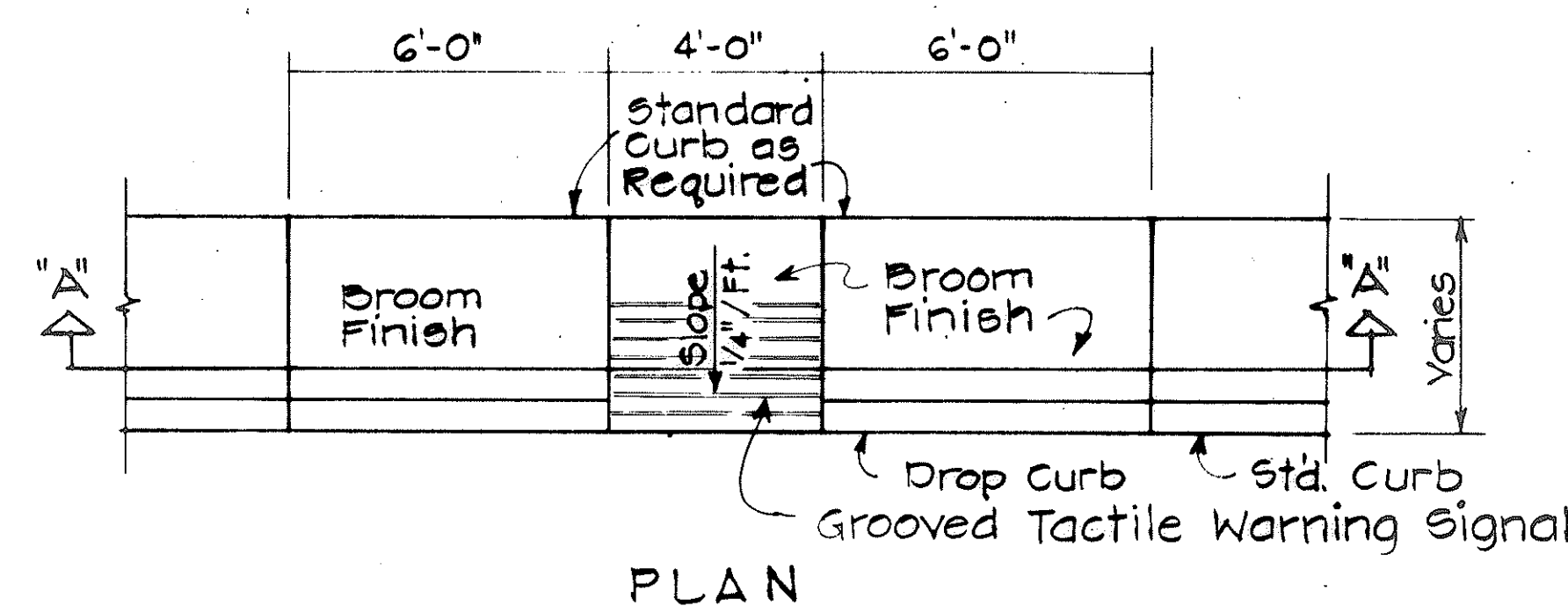
* Where dimension is less than 3', Flare width shall be 3'



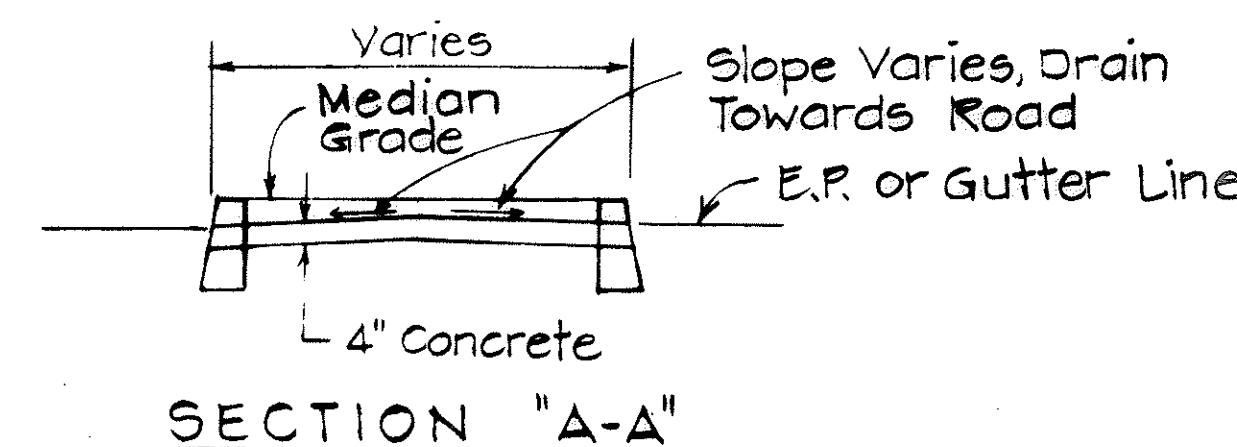
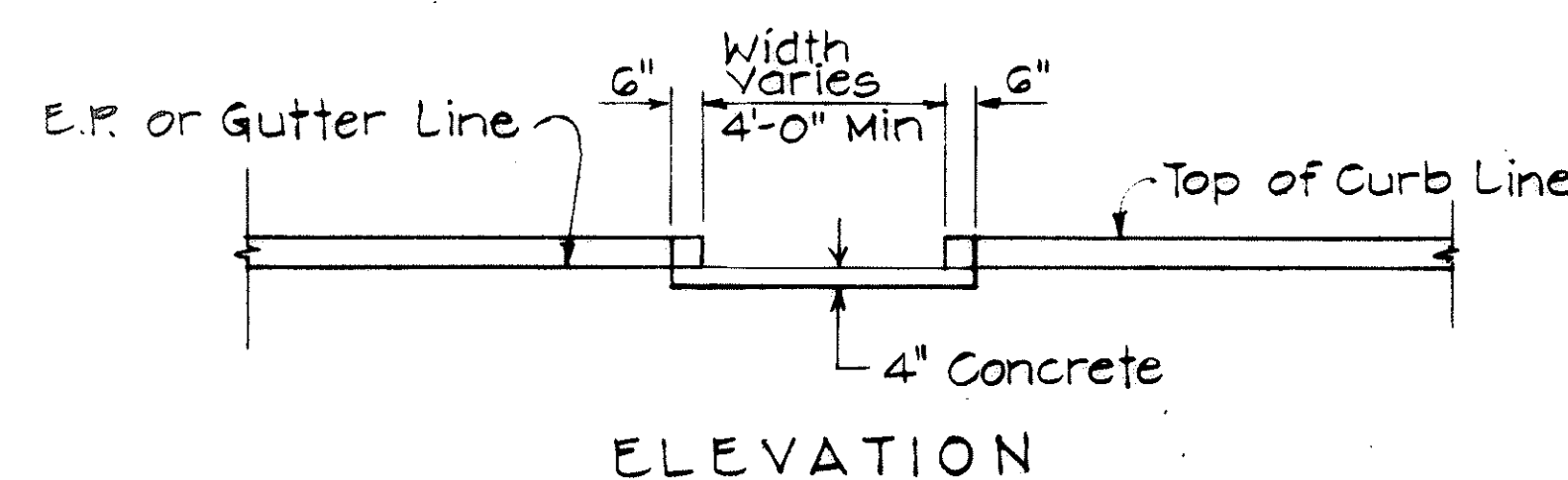
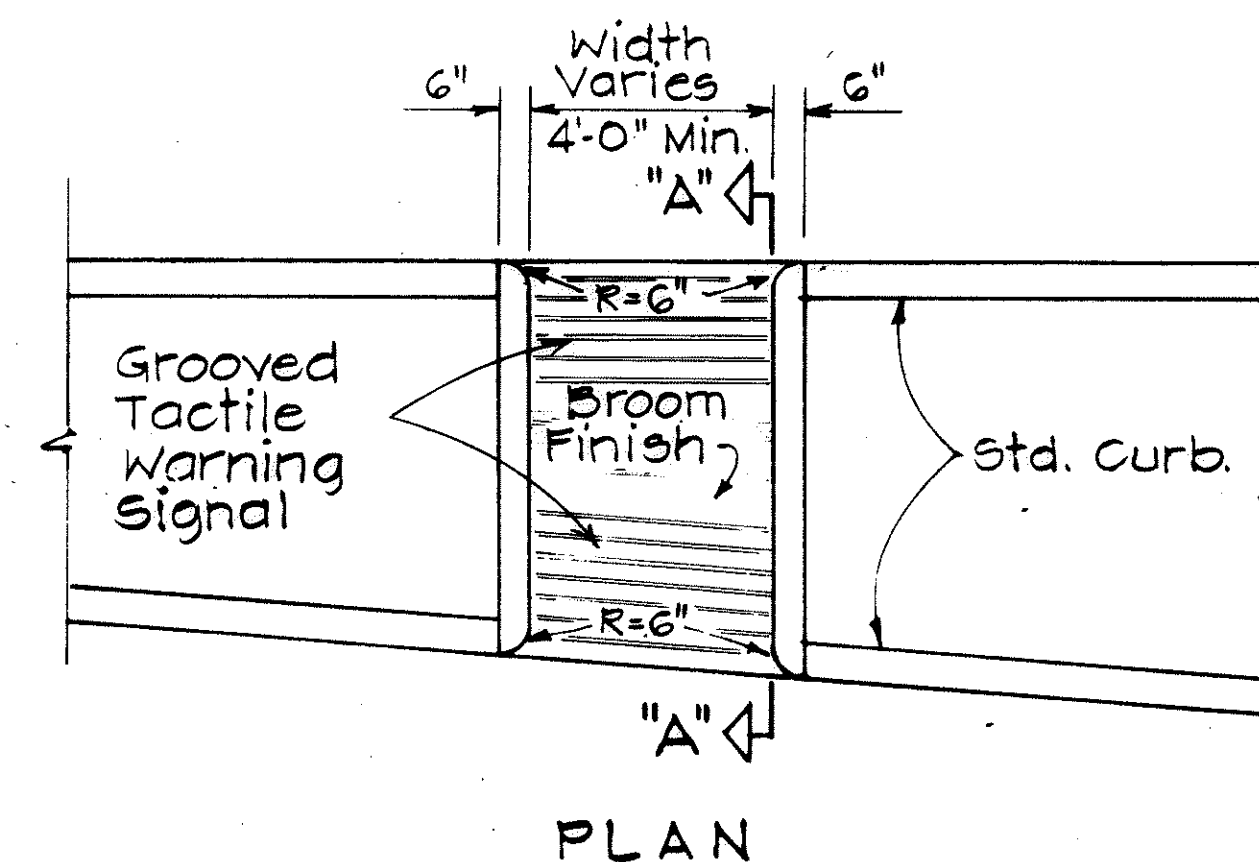
WHEELCHAIR RAMP - TYPE "A"
USE WHERE OBSTRUCTIONS EXIST



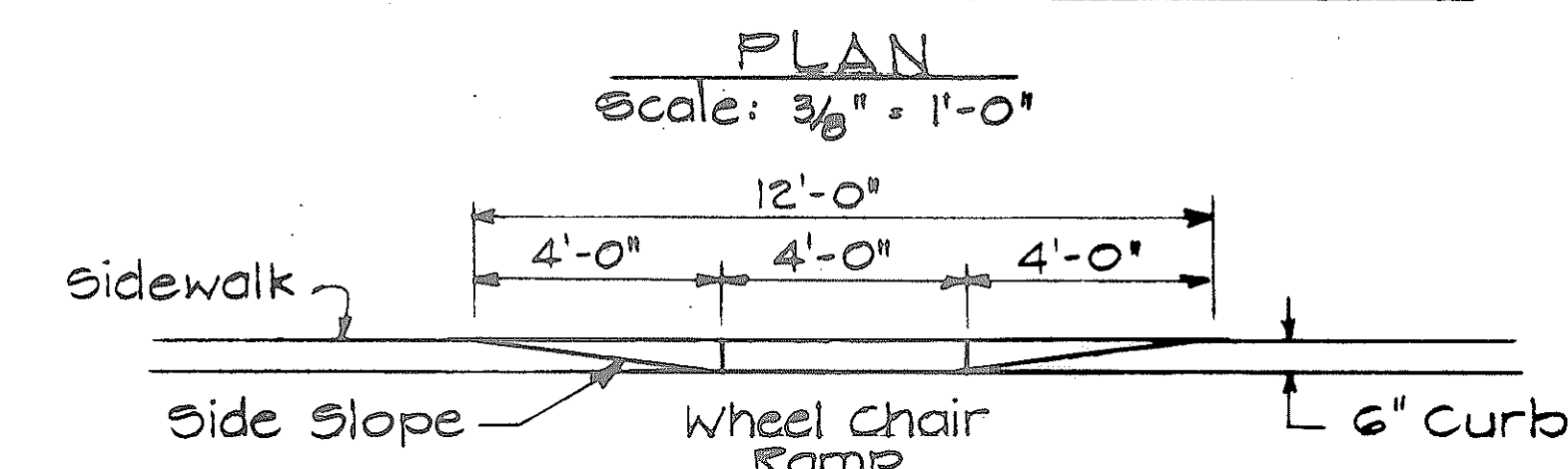
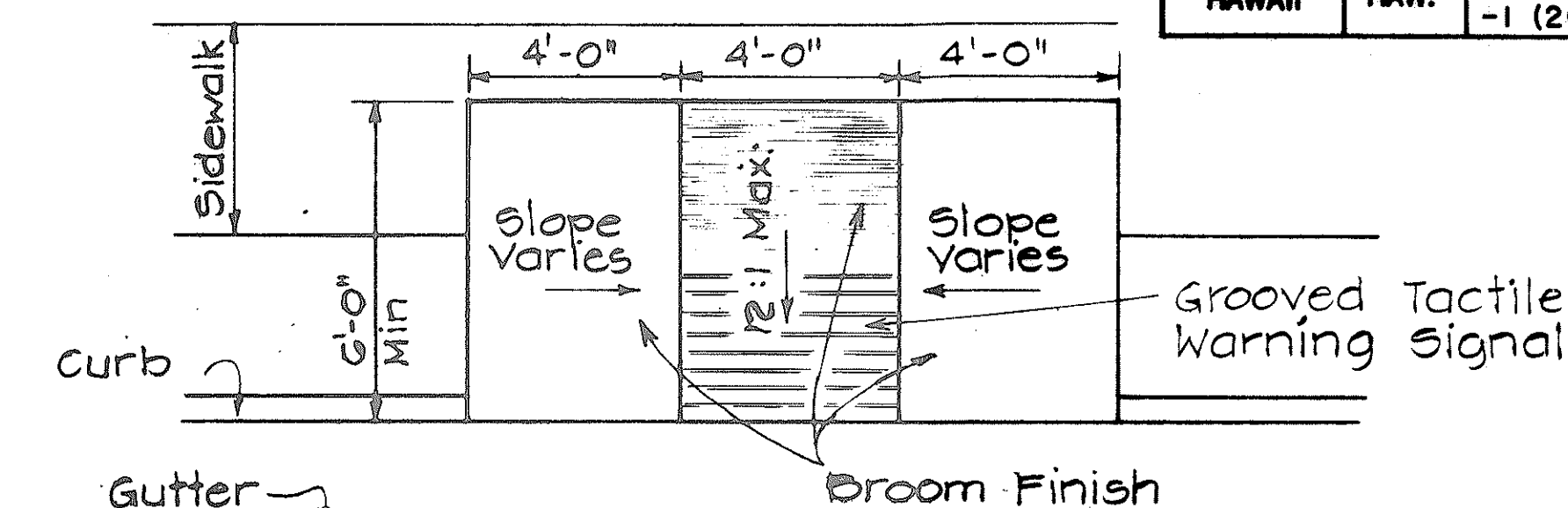
GROOVED TACTILE WARNING SIGNAL



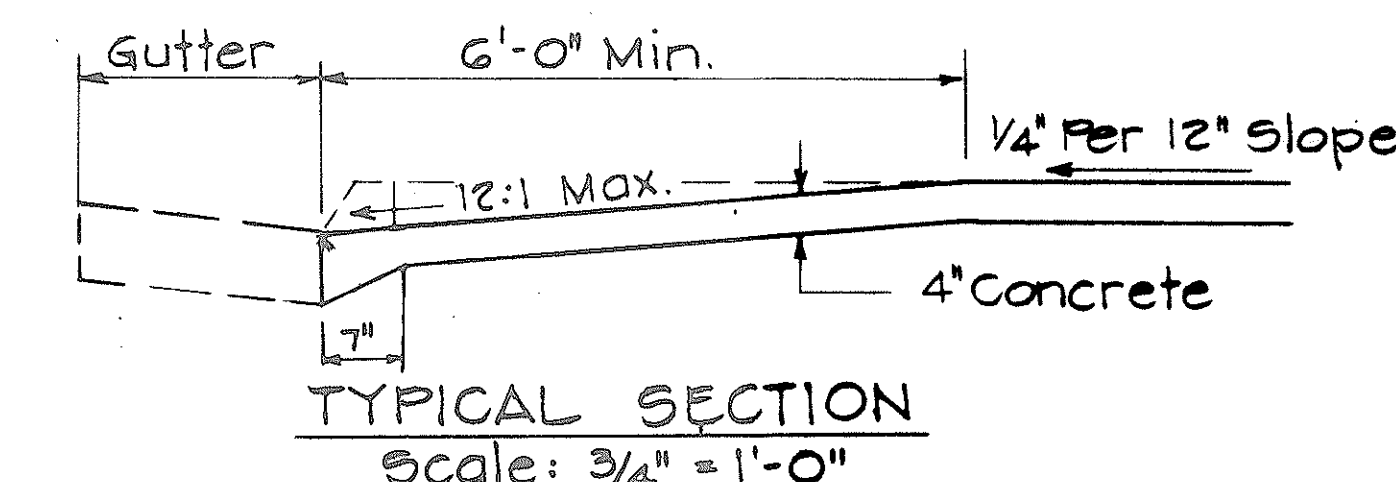
WHEELCHAIR RAMP - TYPE "B"
USE AT SIDEWALKS WITH LESS THAN 6'-0" WIDTH



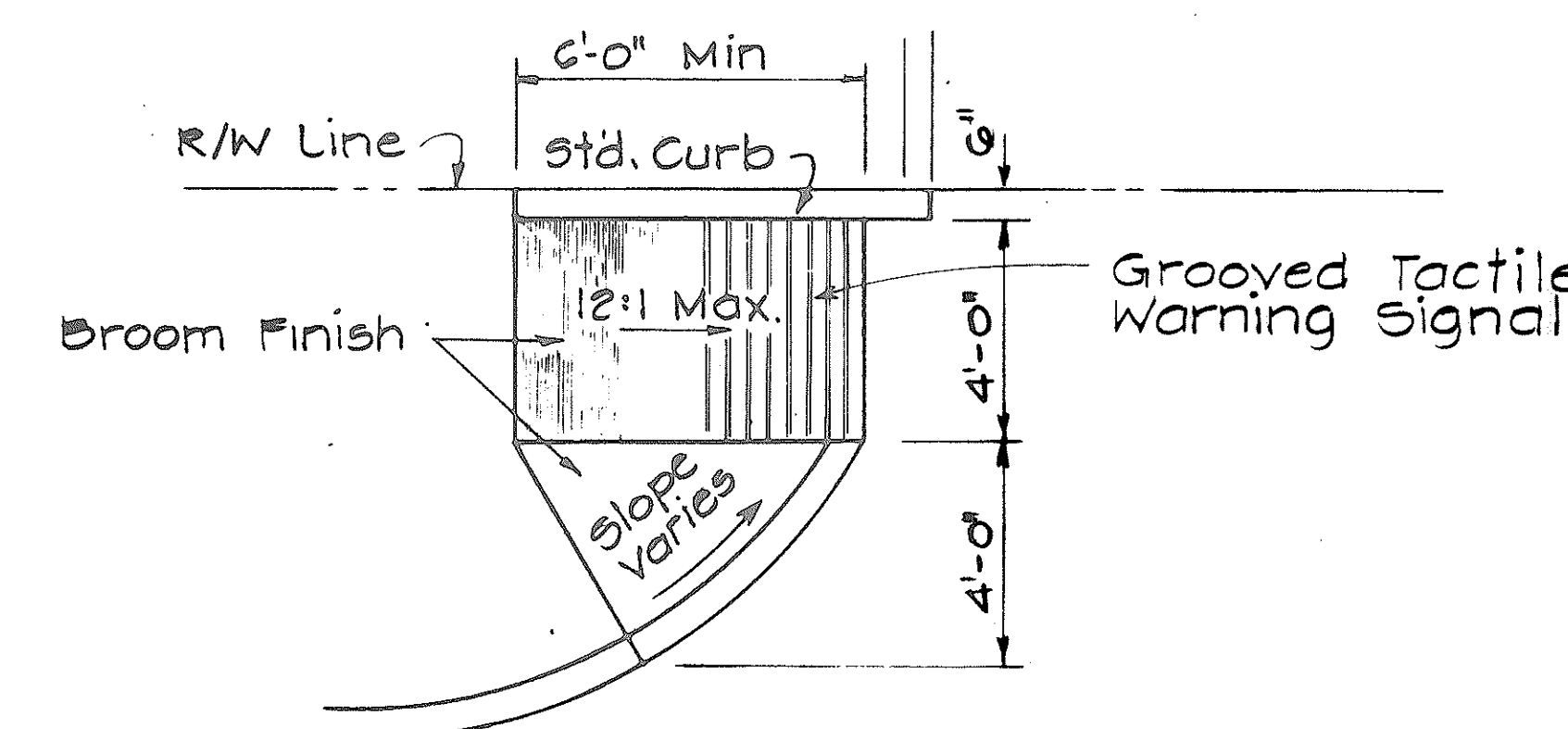
WHEELCHAIR RAMP - TYPE "C"
USE AT MEDIAN CROSSINGS, ISLANDS



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
SHEET NO. 2 OF 2 SHEETS