

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	0700B-01-83M	1983	5	24

GENERAL WATER NOTES:

1. Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the Standard Specifications for Road and Bridge Construction, dated 1976, as amended, of the Hawaii Highways Division, Department of Transportation.
2. The BWS Standard Details, Figures 1 to 62 inclusive, bound in the "Water System Standards" of the BWS, dated March 1977, as amended, are applicable to this project.
3. Items indicated as "Relocate" on the plans shall be removed, cleaned, painted, and reinstalled at the new location by the Contractor unless otherwise specified.
4. The Contractor shall notify the Board of Water Supply in writing one week prior to commencing work on the water system.
5. The existence and location of underground utilities and structures as shown on the plans are from the latest available data but is not guaranteed as to the accuracy or the encountering of other obstacles during the course of the work. The Contractor shall be responsible and shall pay for all damages to existing utilities.
6. Any adjustments to the existing water system required during construction to meet requirements of BWS Standards, whether shown on the plans or not, shall be done by the Contractor at no cost to the Board.
7. The Contractor shall notify the Board of Water Supply, Field Division 7 days prior to any paving operations by calling Melvin Mikasa at 548-6169.

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

APPROVED:

R. Negato 2-15-83
for Chief, Planning & Engineering, BWS Date

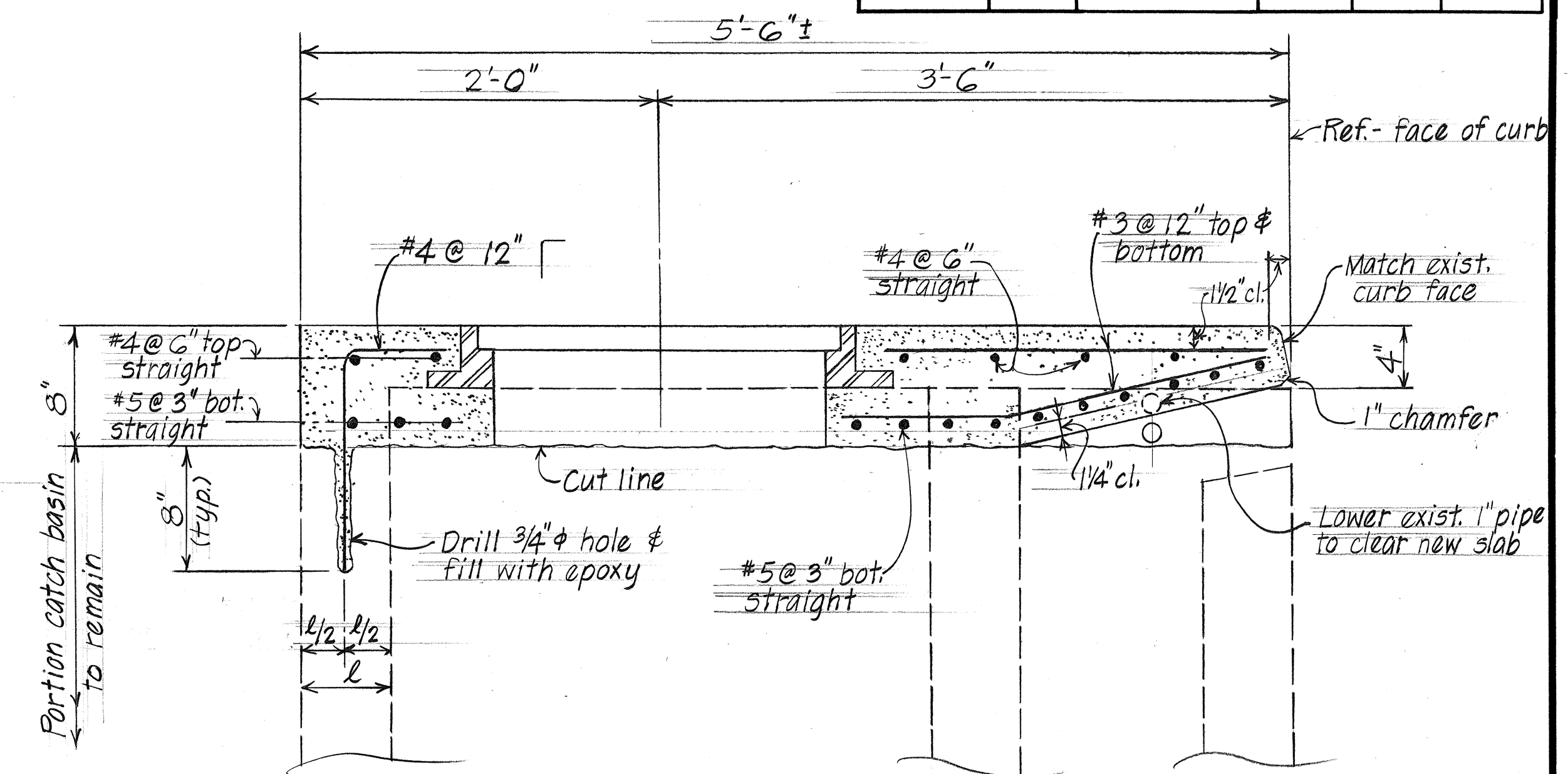
2/14/83	Added General Water Note 7.
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION LAND TRANSPORTATION FACILITIES DIVISION	
UTILITIES NOTES	
LILIHA STREET RESURFACING	
Proj. No. 0700B-01-83M	
Date: Jan., 1983	
SHEET No. 1 OF 5 SHEETS	

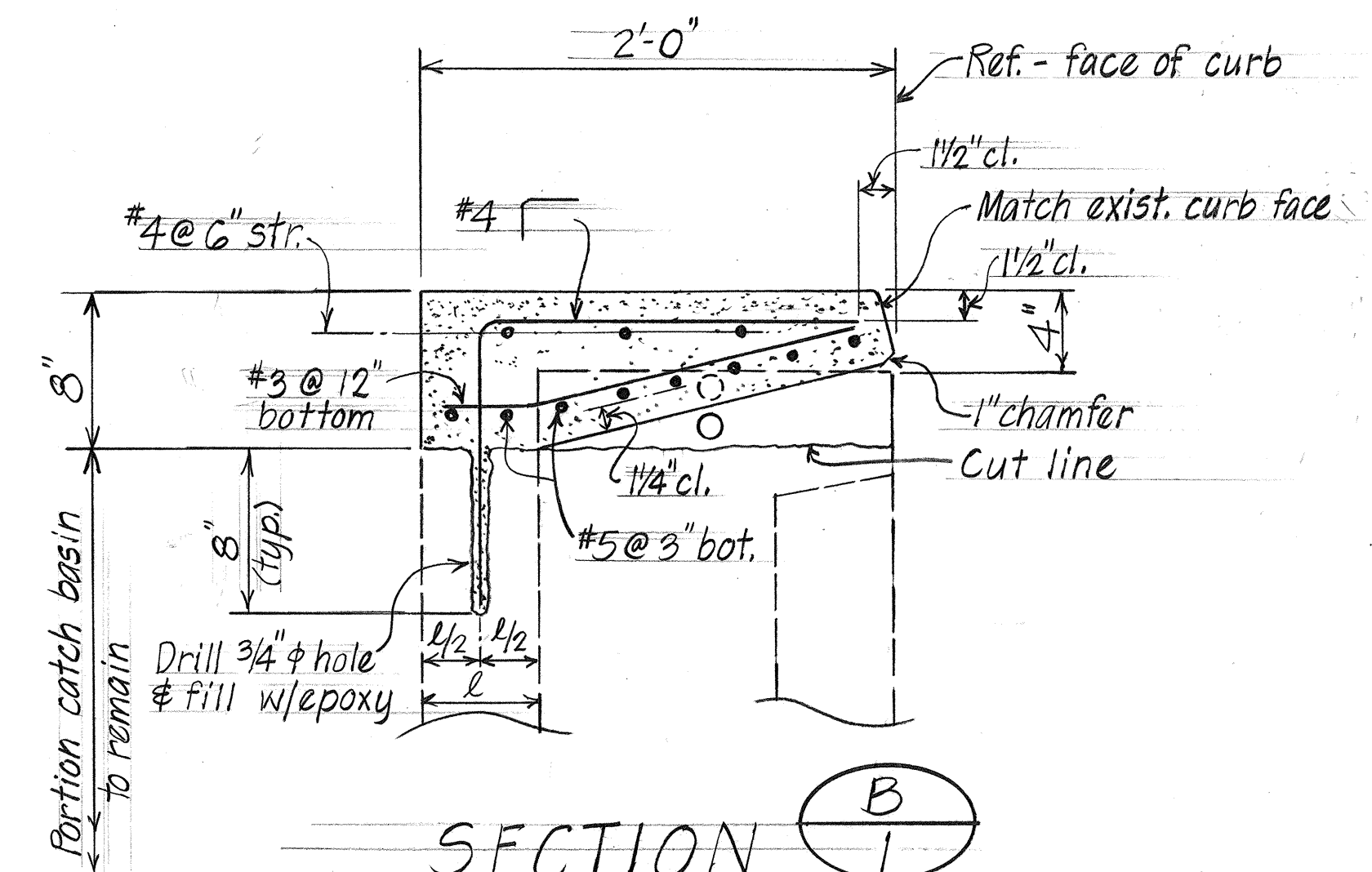
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

REPAIRS TO LILIHA ST.
CATCH BASIN

LILIHA ST. RESURFACING
KING ST. TO SCHOOL ST.
PROJ. NO. 9700B-01-83M



Scale: $1\frac{1}{2}" = 1'-0"$



Scale: $1\frac{1}{2}" = 1'-0"$

1. Existing slab shall be removed in such a manner as to preclude any damage to the existing structure. Large impacting or vibratory types of equipment will not be permitted in the removal operation, nor in drilling holes for dowels. Small vibratory tools approved by the Engineer will be permitted.
2. Payment for work done to catch basin shall be paid under Item No. 604.1220 Reconstruct Existing Catch Basin.

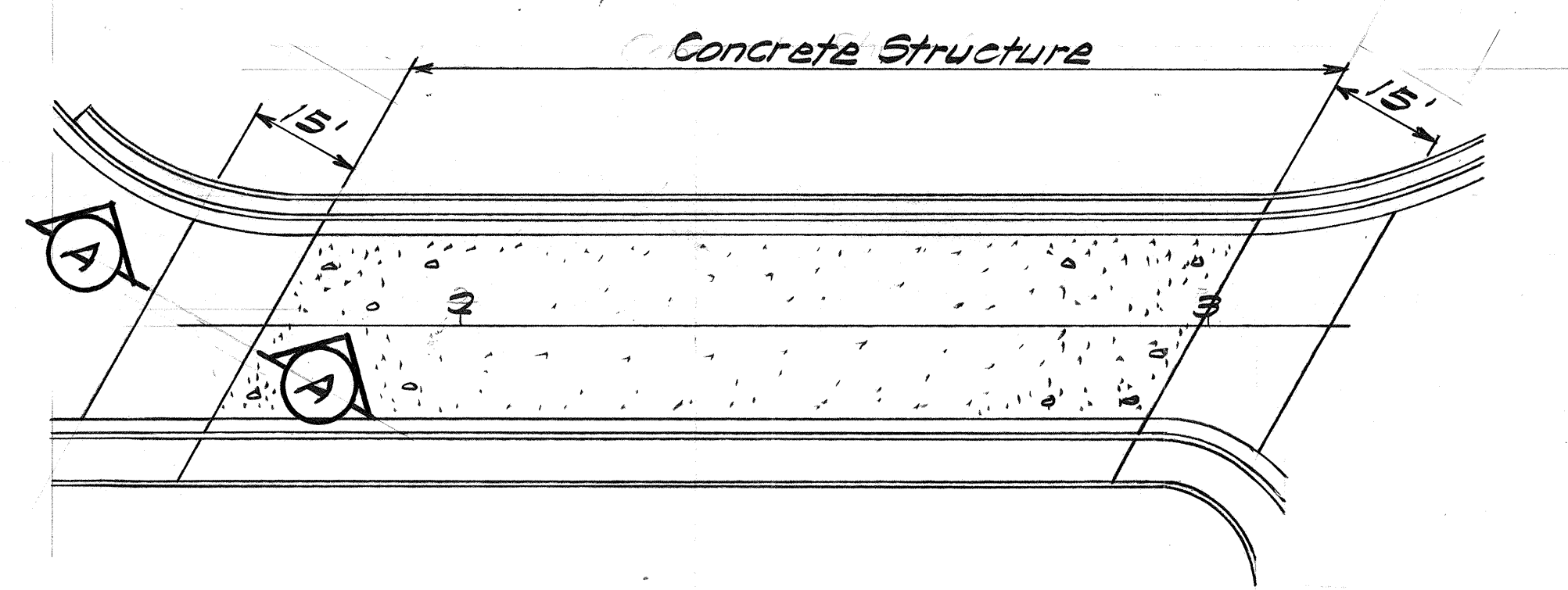
QUANTITIES		
ITEM	UNIT	TOTAL
Class A Concrete in Catch Basin	C.Y.	0.60

2/14/83	Added @ Sta. 5+50 to Catch Basin Plan, Deleted General Note 1 and Renumbered General Notes 2 and 3. Deleted Item No. Category under Quantities Table.
DATE	REVISION

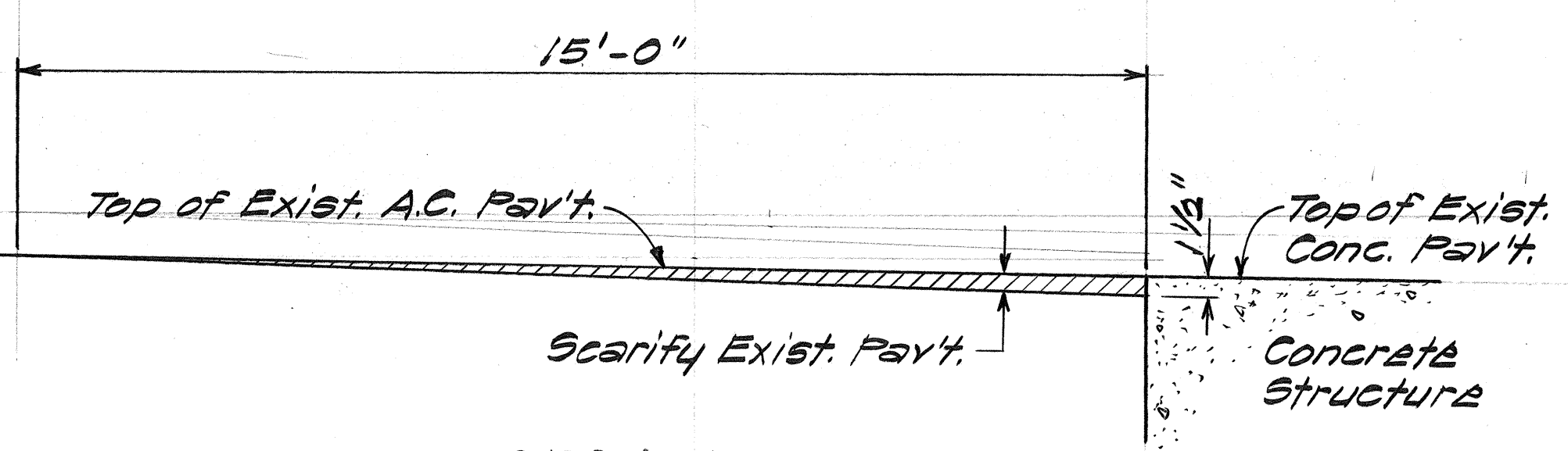
Scale: As Shown Date: Jan. 1983
SHEET No. 2 OF 5 SHEETS

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

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HAWAII	HAW.	9700B-01-83M	1983	7	24

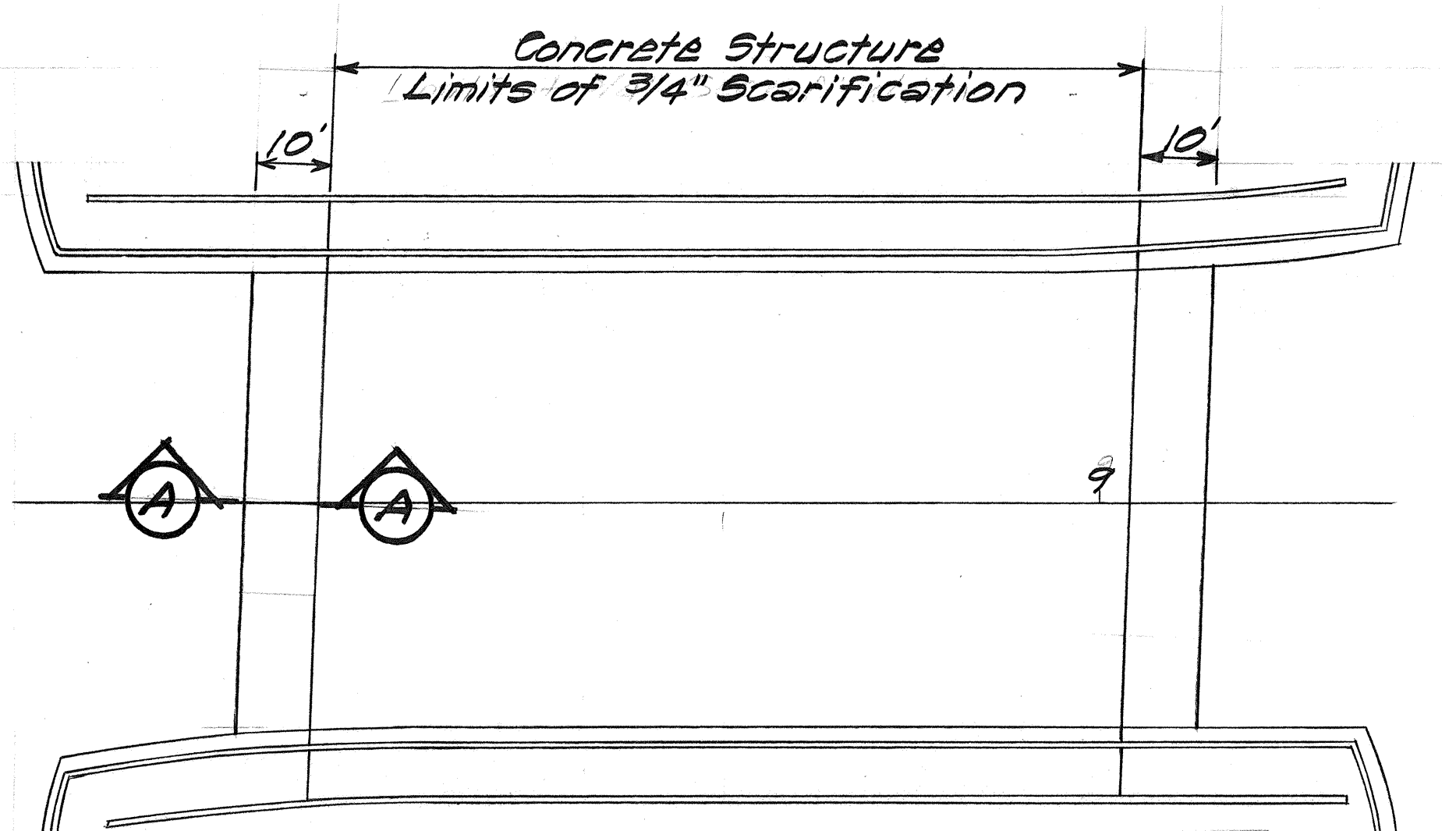


PLAN
Scale: 1" = 20'

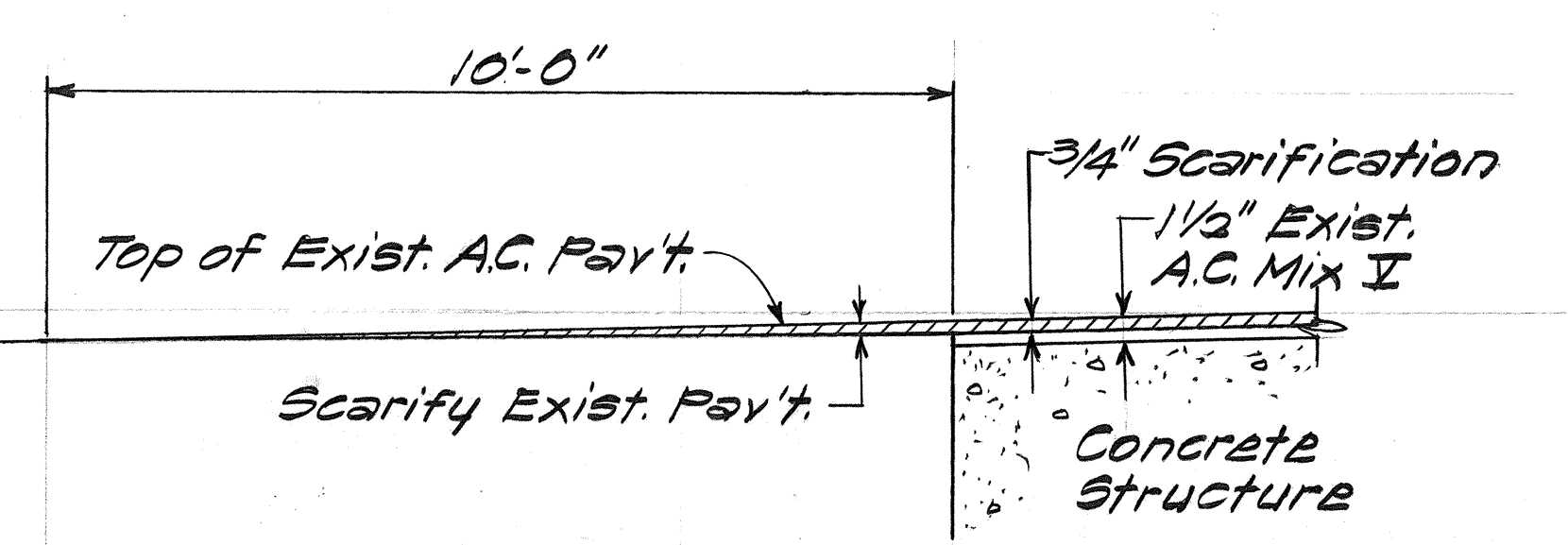


SECTION A-A
Not to Scale

**LILIHA ACCESS RD. STRUCTURE
SCARIFICATION DETAIL**

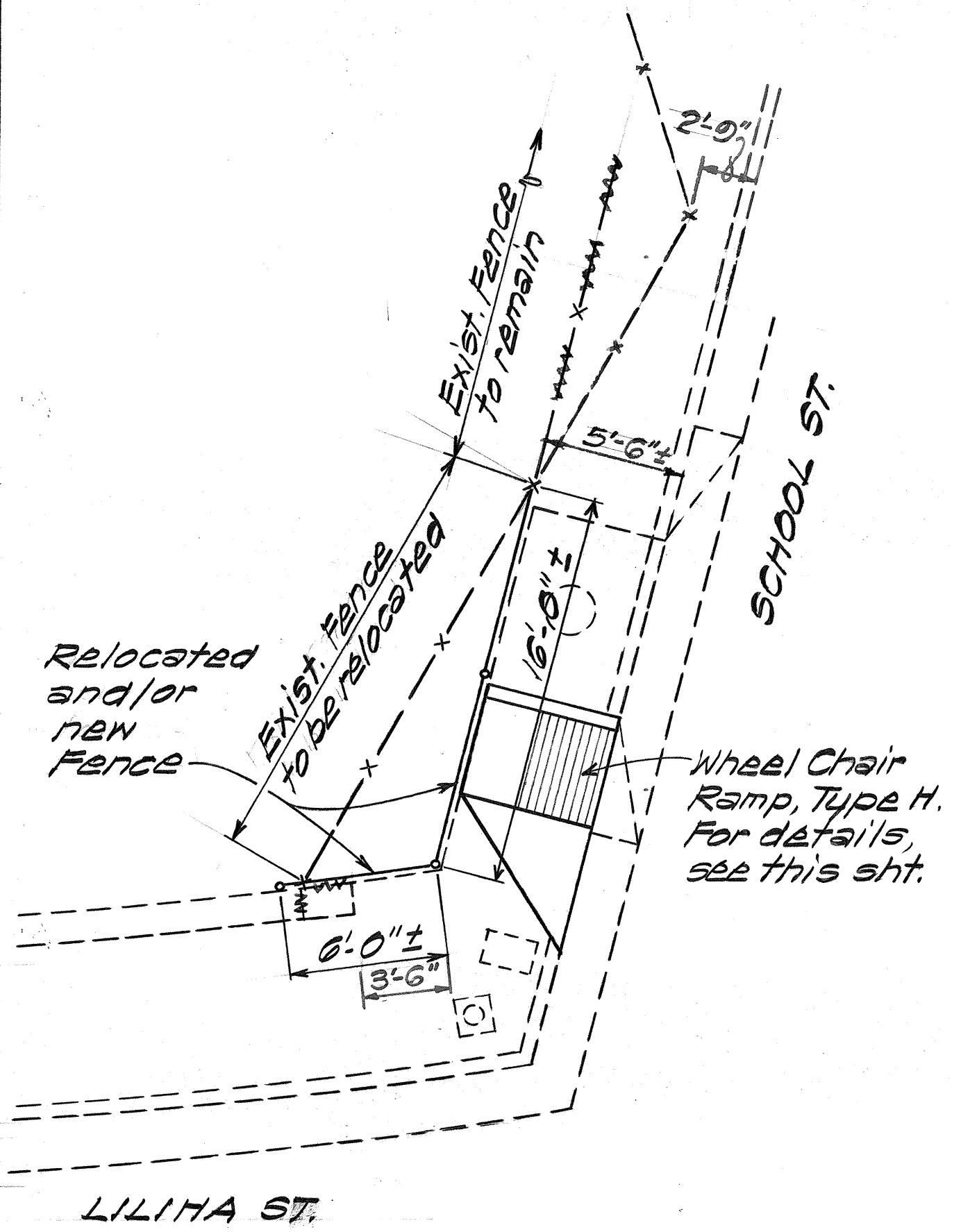


PLAN
Scale: 1" = 20'

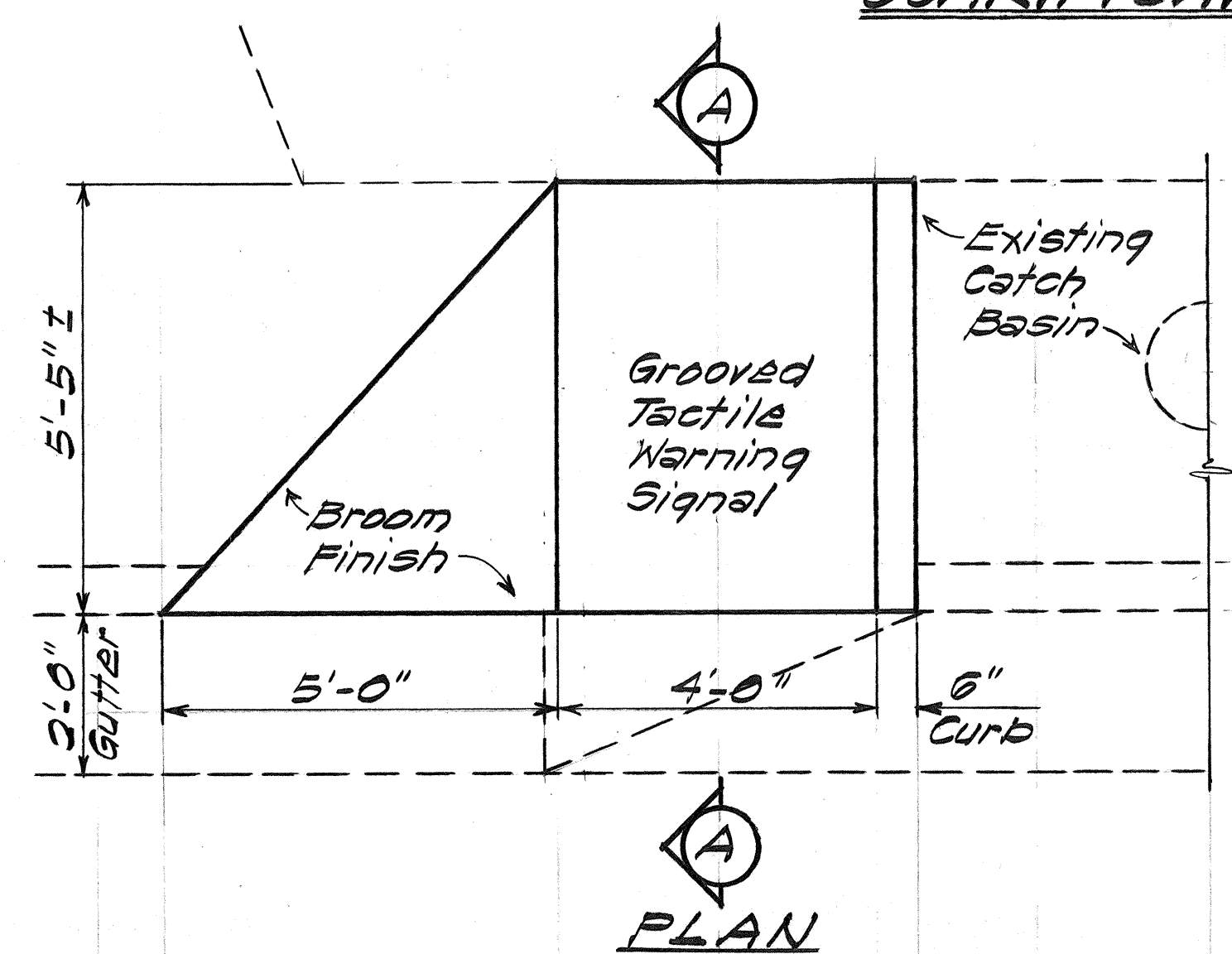


SECTION A-A
Not to Scale

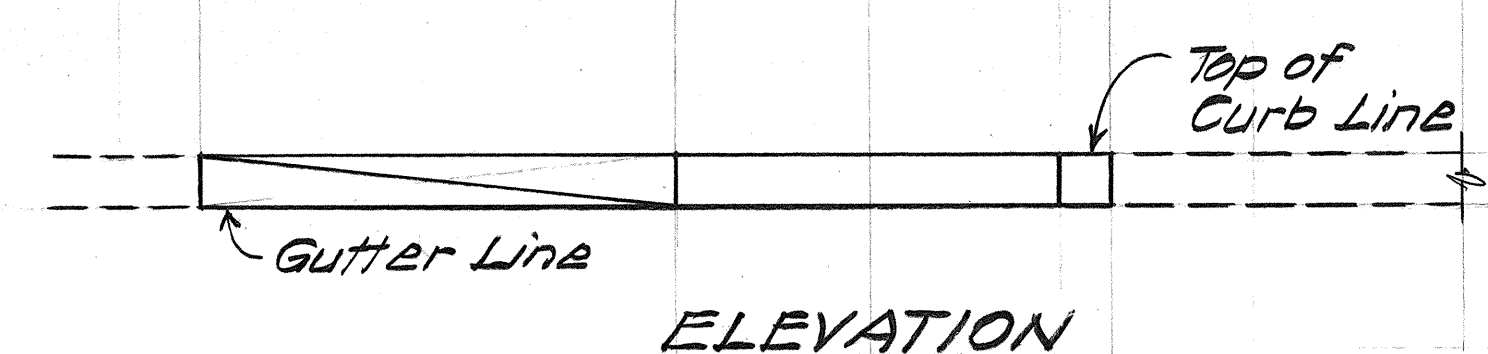
**LILIHA ST. STRUCTURE
SCARIFICATION DETAIL**



**CHAIN LINK
FENCING DETAIL**
Not to Scale

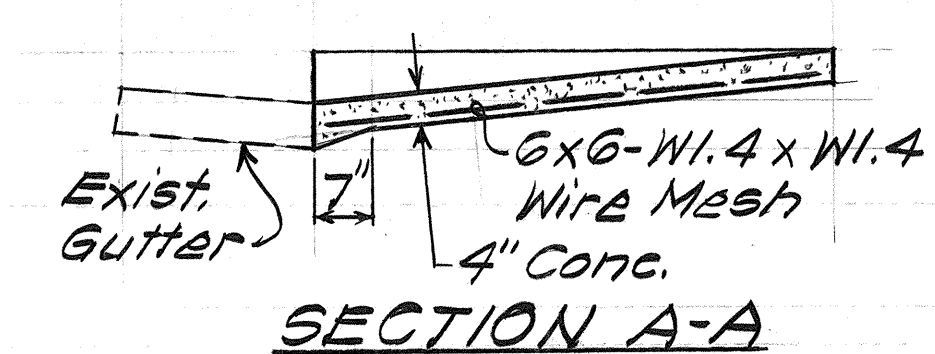


PLAN

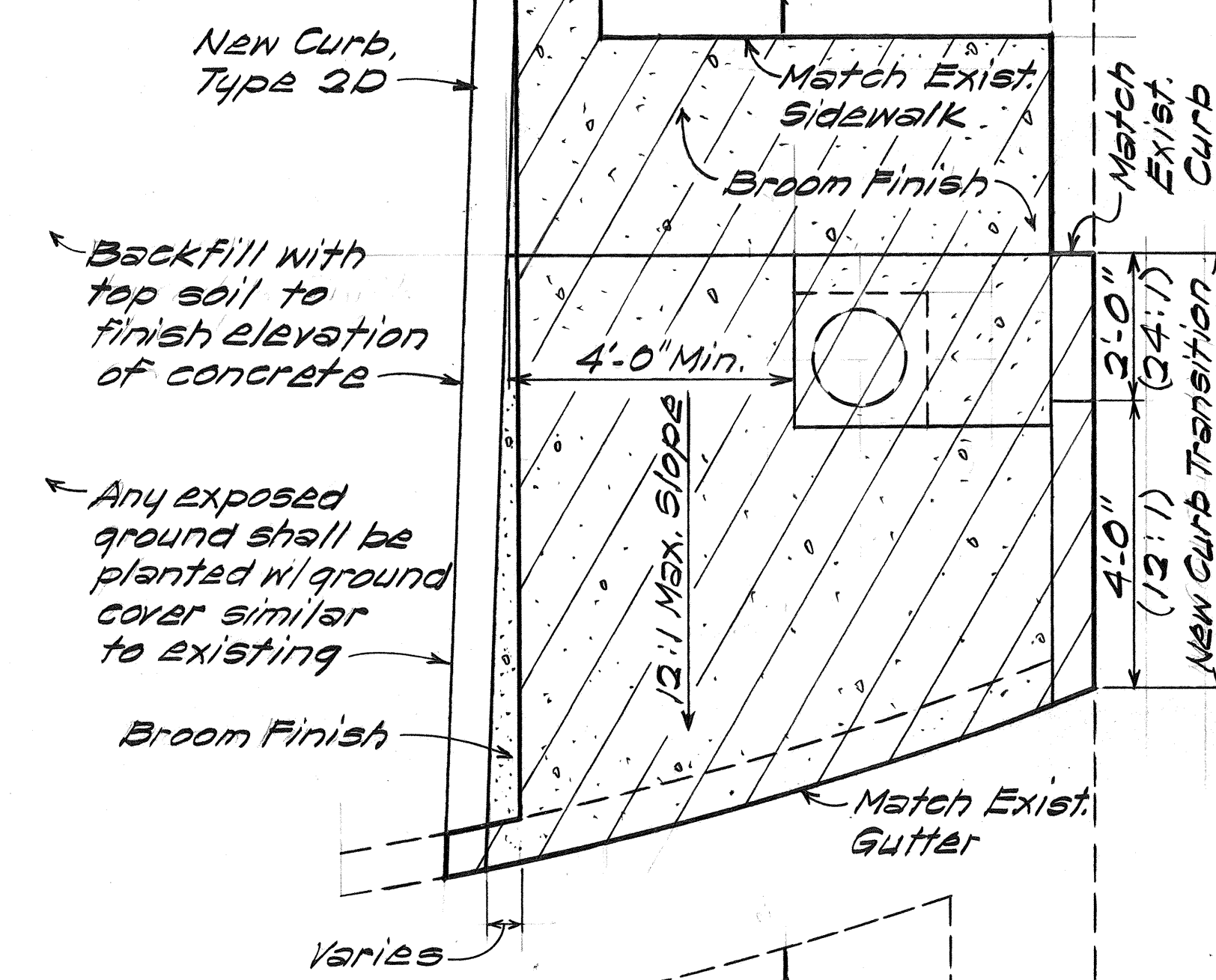


ELEVATION

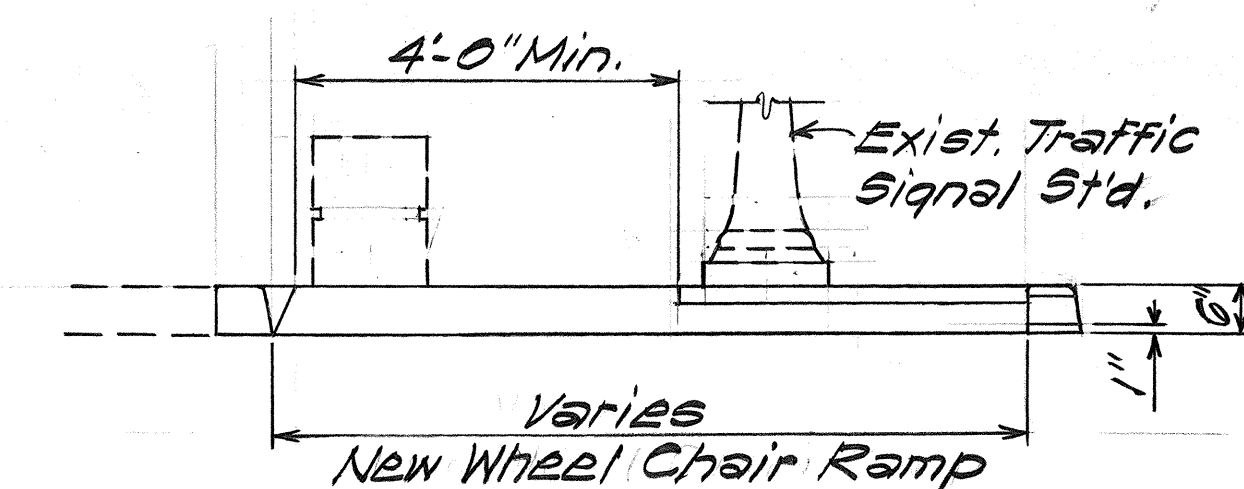
WHEEL CHAIR RAMP TYPE H DETAILS
Scale: 1/2" = 1'-0"



SECTION A-A



PLAN



ELEVATION

WHEEL CHAIR RAMP TYPE F DETAILS
Scale: 1/2" = 1'-0"

- NOTES**
1. Area of removal of existing concrete sidewalk, curb and reinforcing shown by hatched lines. Limits of removal shall be saw cut. Exposed reinforcing shall be removed to a depth of 1" within the existing conc. and the resulting hole shall be filled with non-shrink epoxy grout. Provide grooved tactile warning signal. For details see Plan Sht. No. 9.
 2. Adjusting of traffic signal boxes which are within wheel chair ramp areas shall not be paid for separately, but shall be considered incidental to the payment for the wheel chair ramps.
 3. Grind all sharp concrete edges to rounded finish.
 4. Payment for top soil and replanting of ground cover in the vicinity of the wheel chair ramps shall be incidental to Item No. 650.5100 Wheel Chair Ramp, Type F.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

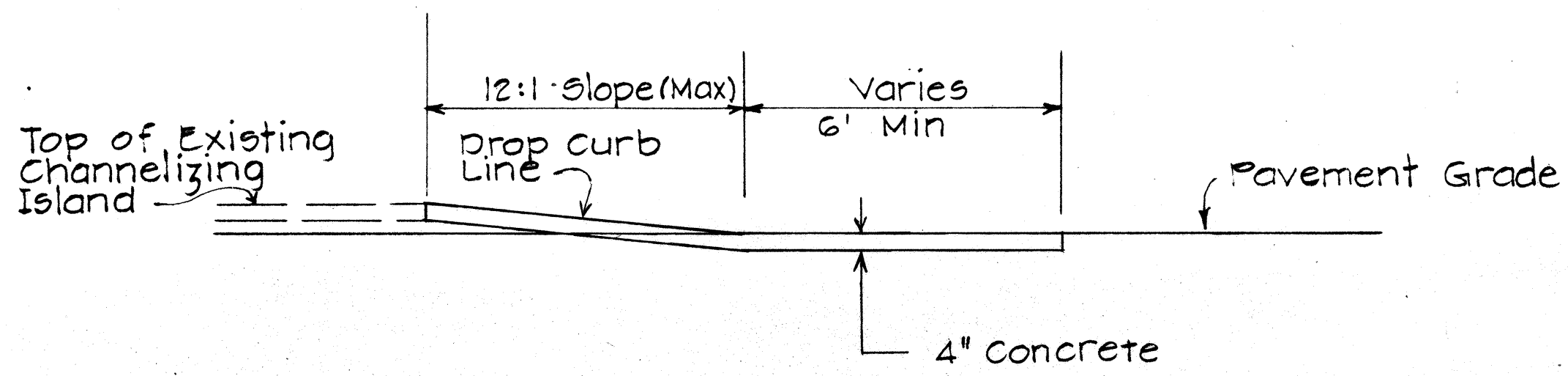
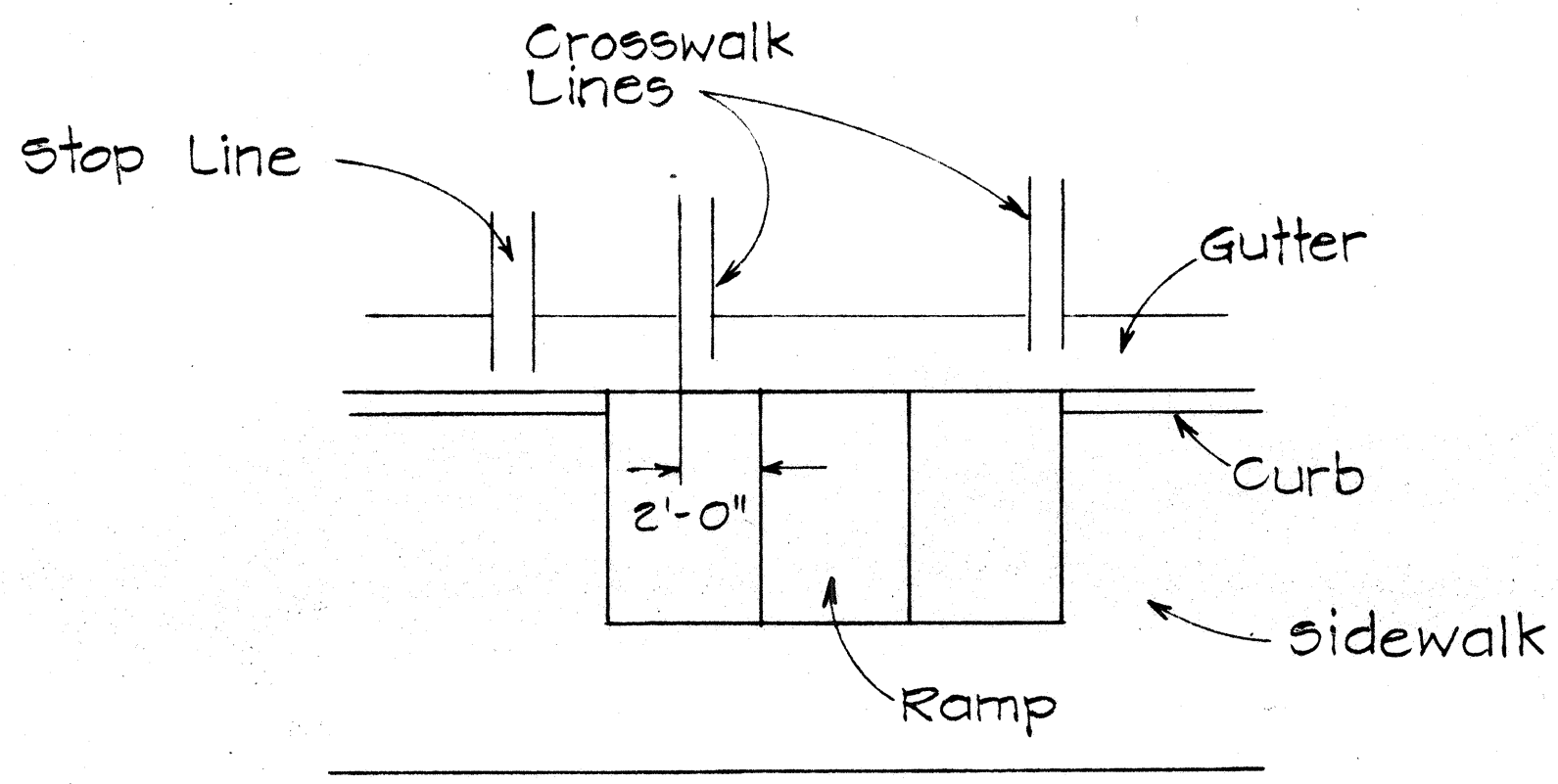
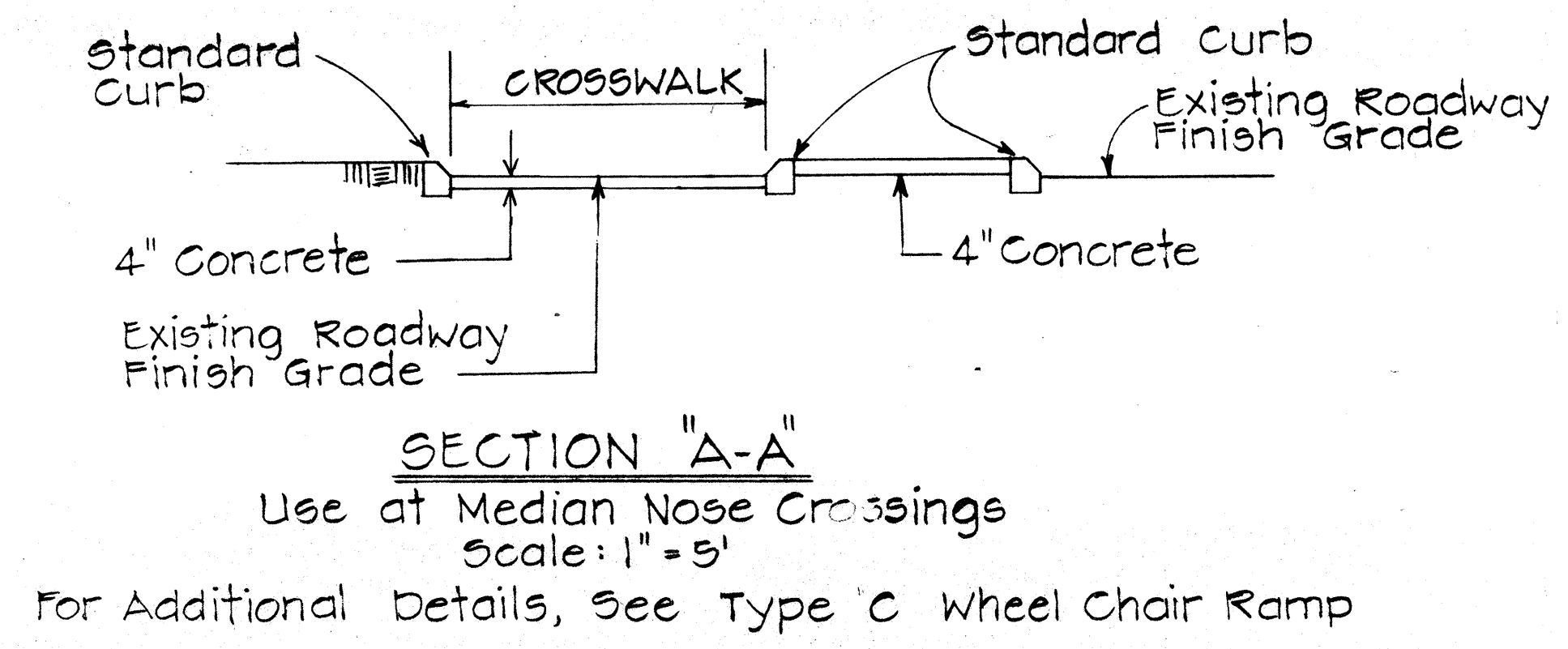
MISCELLANEOUS DETAILS

LILIHA STREET RESURFACING
Proj. No. 9700B-01-83M

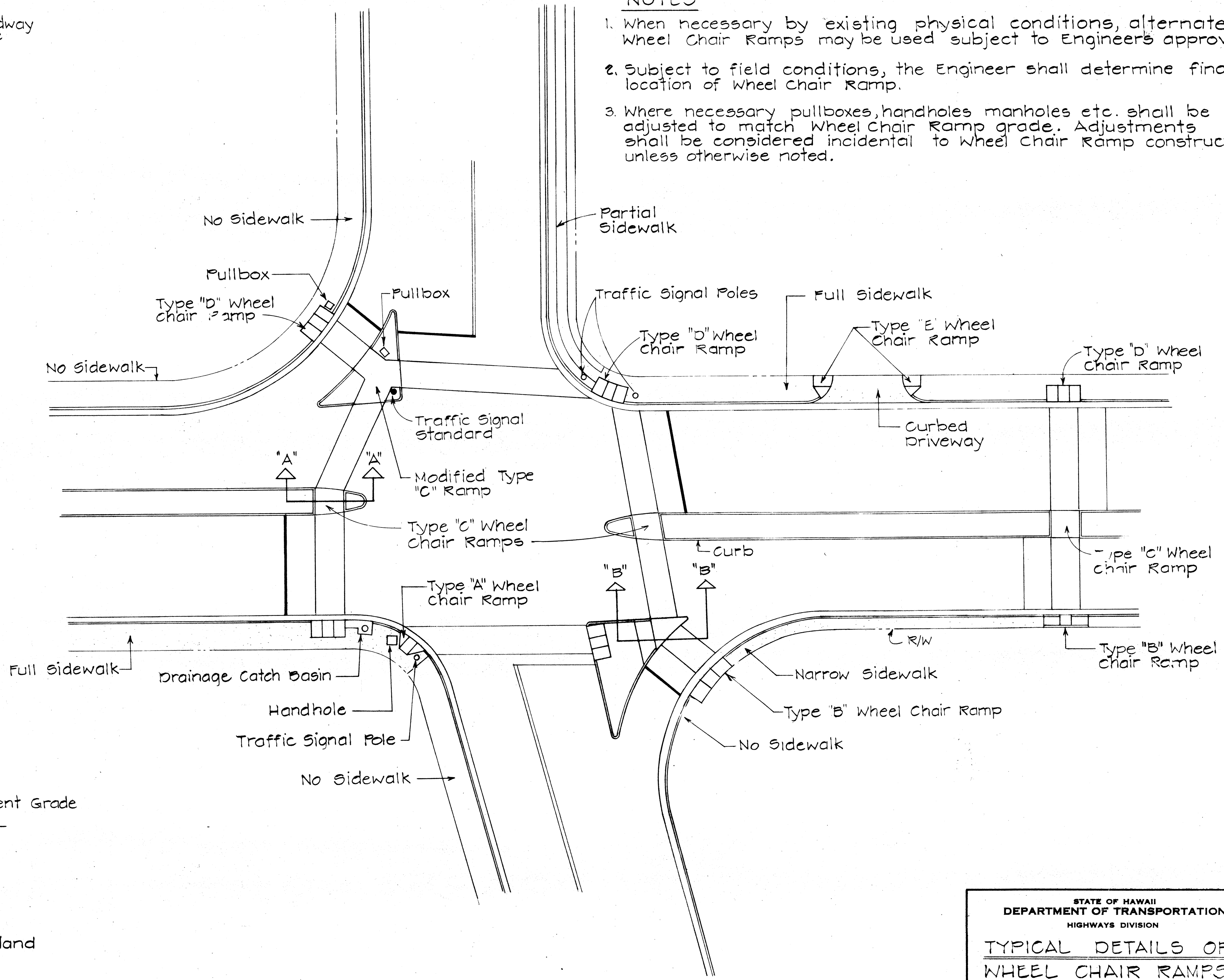
Scale: As Shown Date: Dec, 1982
SHEET NO. 3 OF 5 SHEETS

DATE	12/1/82
DESIGNED BY	W. J. BROWN
CHECKED BY	W. J. BROWN
NOTED BY	W. J. BROWN
QUANTITIES BY	W. J. BROWN
TRACED BY	W. J. BROWN
DRAWN BY	W. J. BROWN
SURVEYED BY	W. J. BROWN
ORIGINAL PLAN	W. J. BROWN

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	97008-01-83M	1983	8	24



- 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

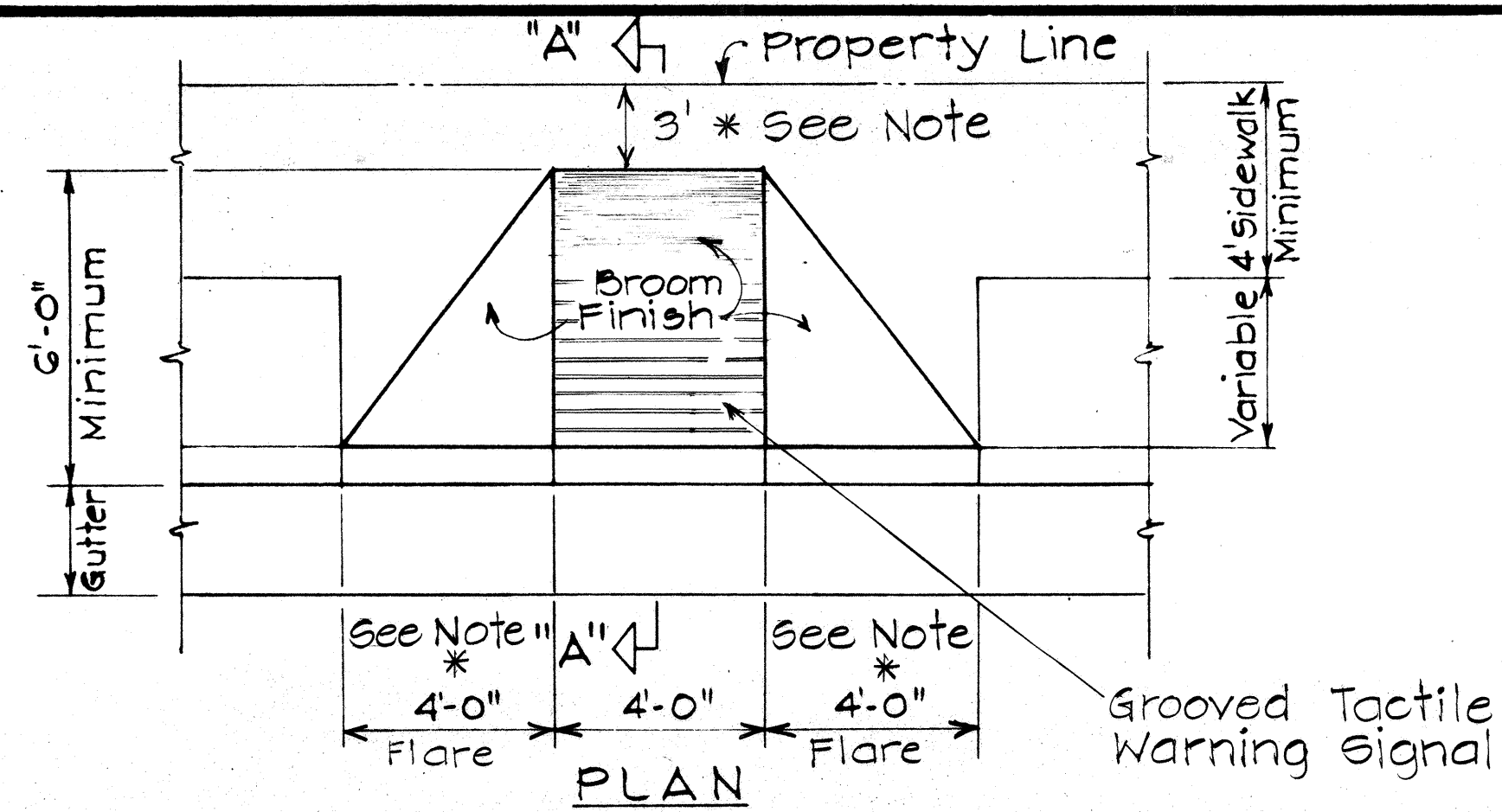
Scale: As Shown

May, 1978

SHEET NO. 4 OF 5 SHEETS

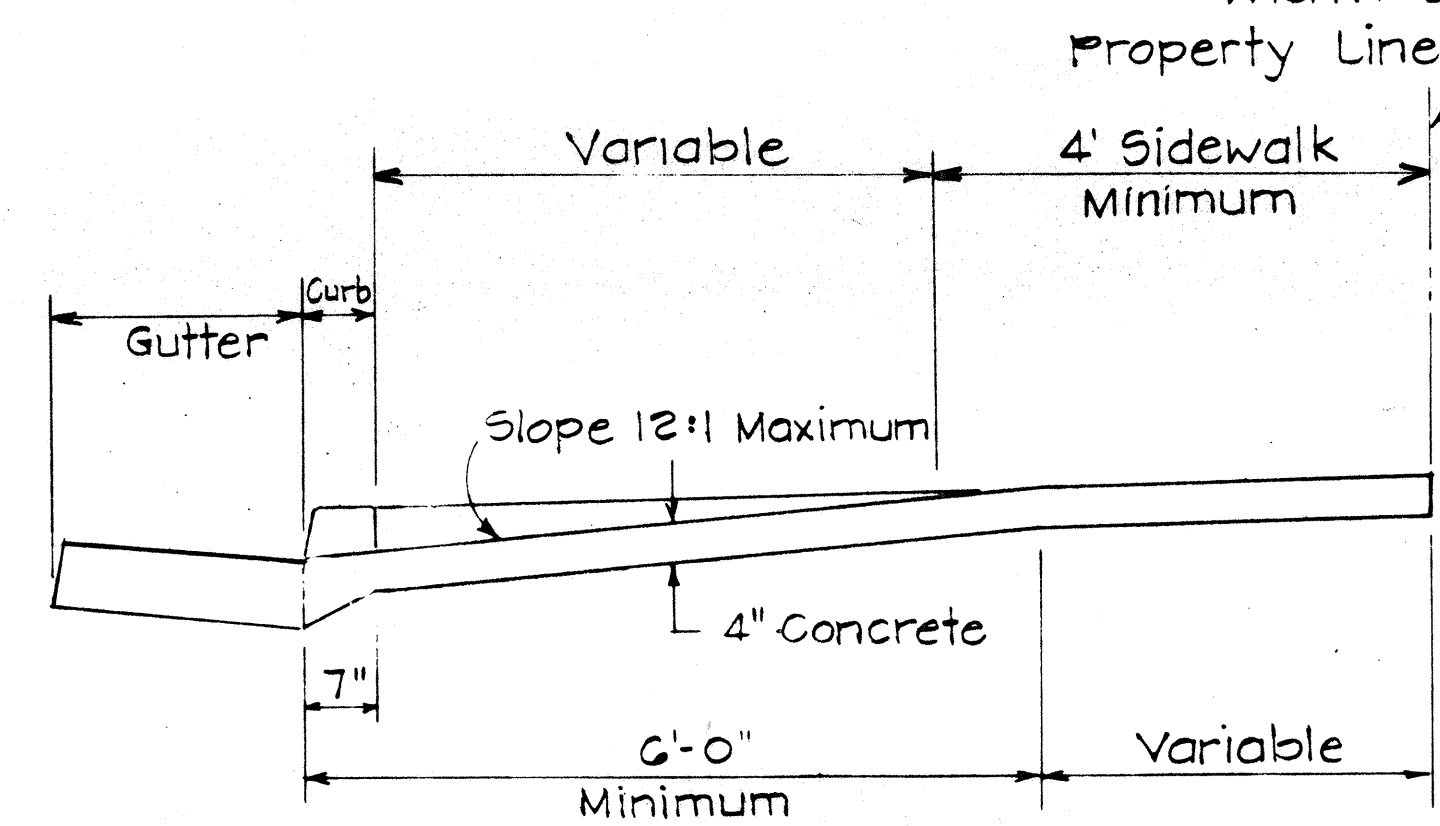
DATE	.....
SURVEY PLOTTED BY	.....
DRAWN BY	.....
TRACED BY	.....
DESIGNED BY	.....
QUANTITIES BY	.....
CHECKED BY	.....
ORIGINAL PLAN	.....
NOTE BOOK	.....
No.	.....

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	9700B-01-83M	1983	9	24



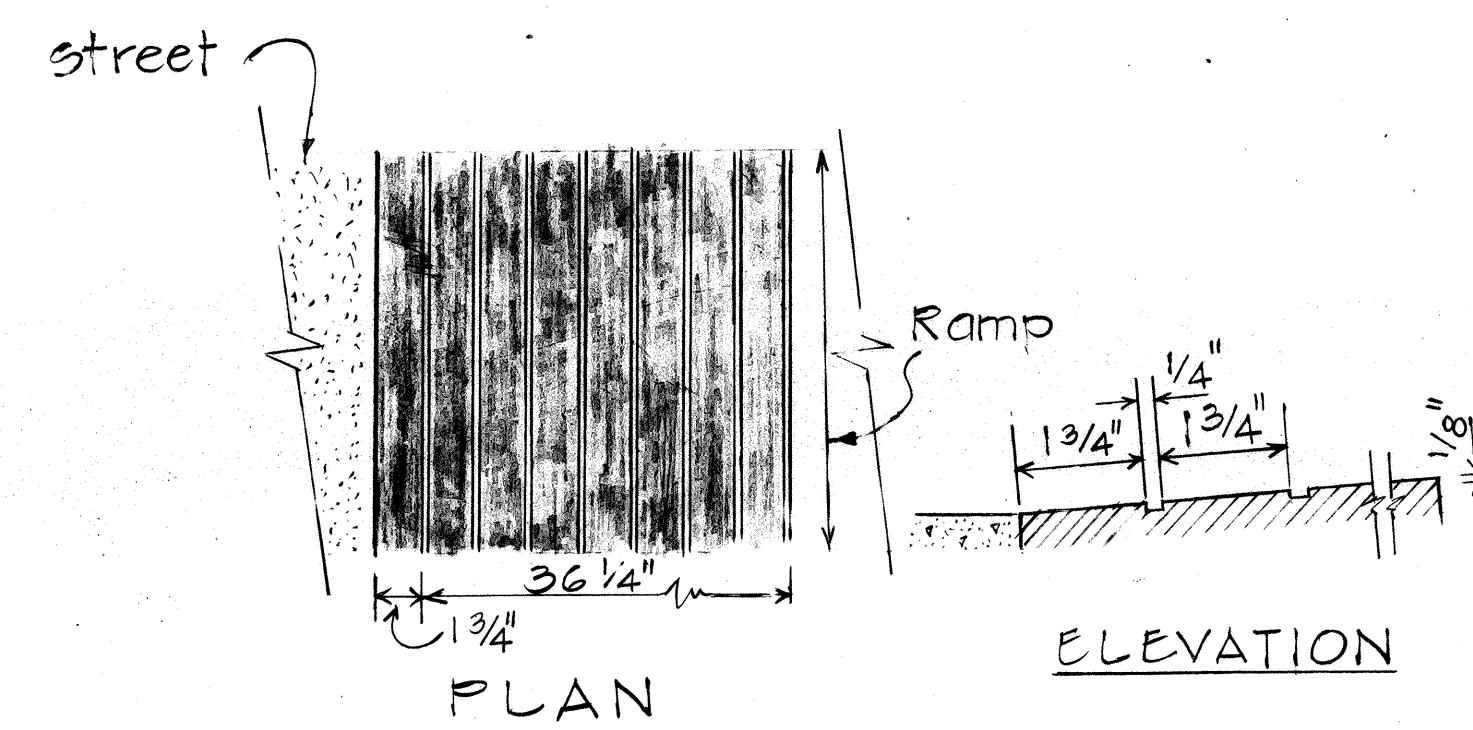
ELEVATION

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

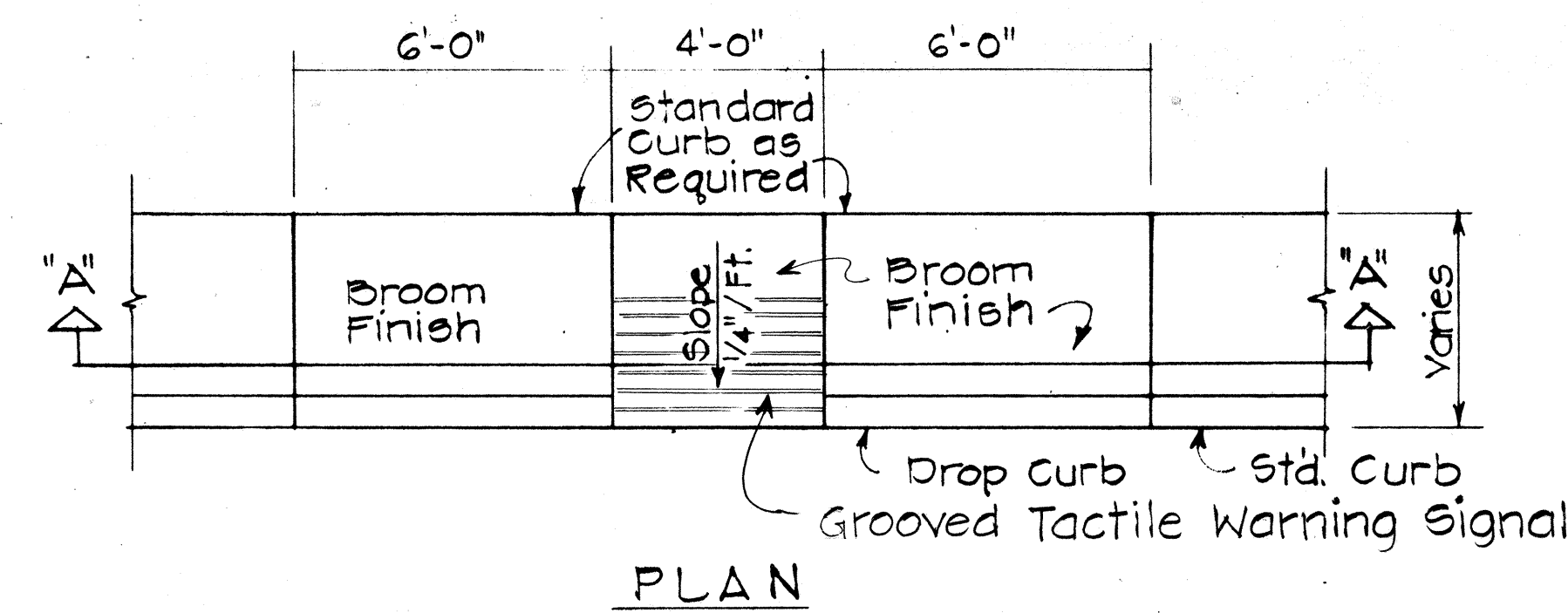


SECTION "A-A"

WHEELCHAIR RAMP - TYPE "A"
USE WHERE OBSTRUCTIONS EXIST

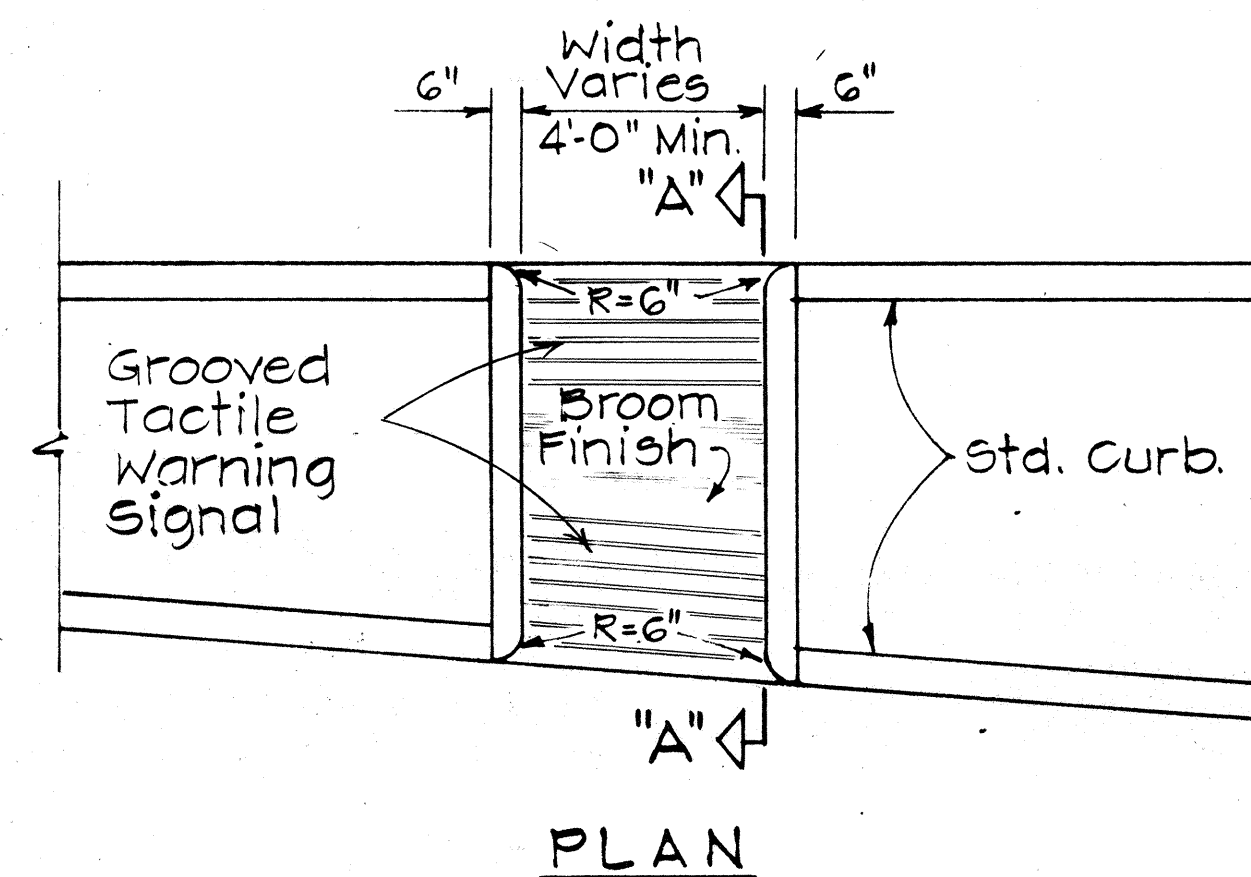


GROOVED TACTILE WARNING SIGNAL

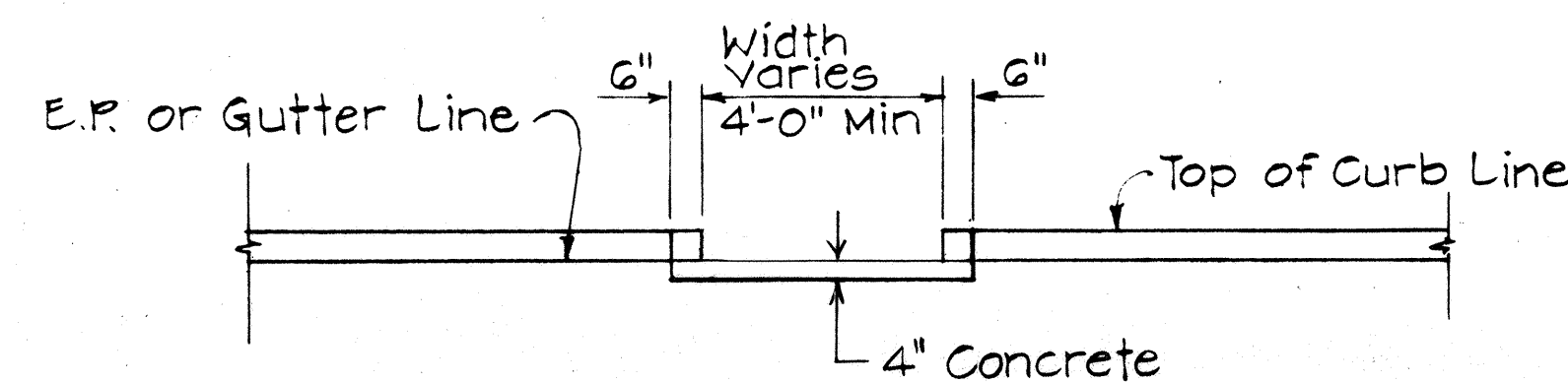


ELEVATION
SECTION "A-A"

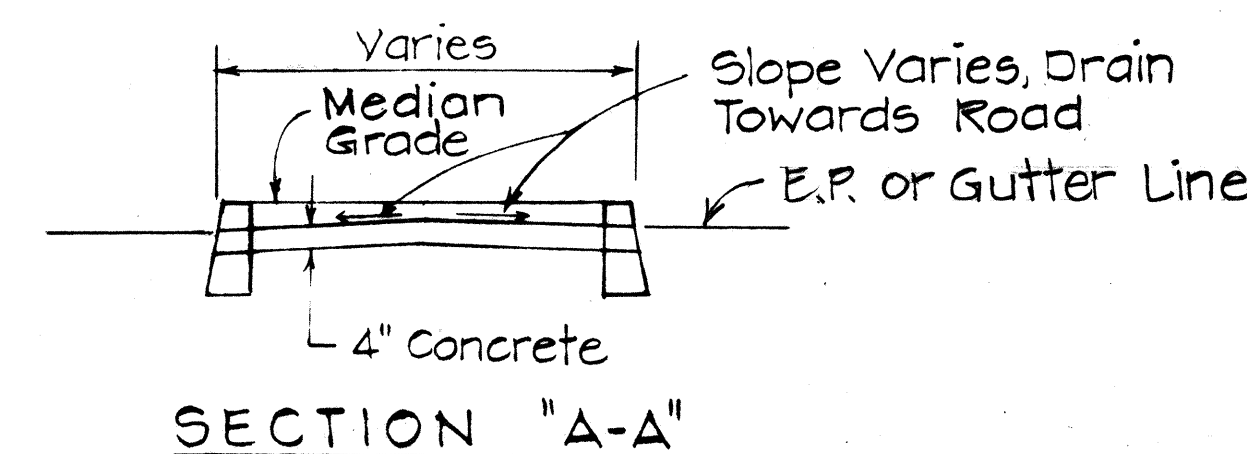
WHEELCHAIR RAMP - TYPE "B"
USE AT SIDEWALKS WITH LESS THAN 6'-0" WIDTH



PLAN

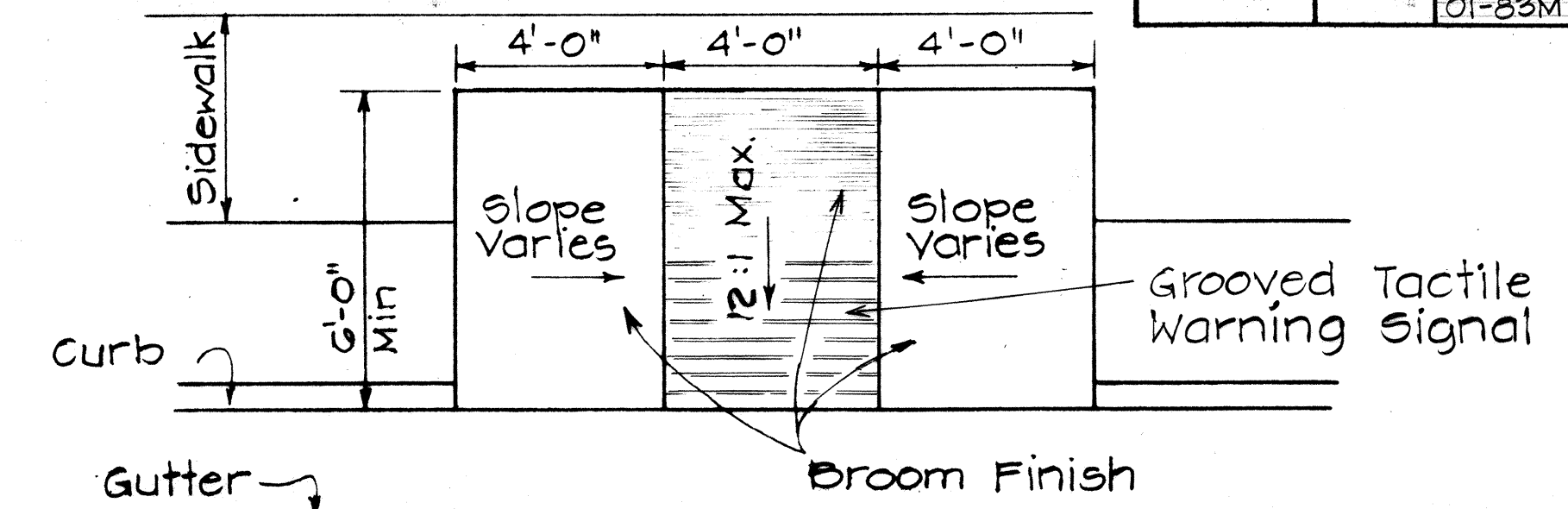


ELEVATION

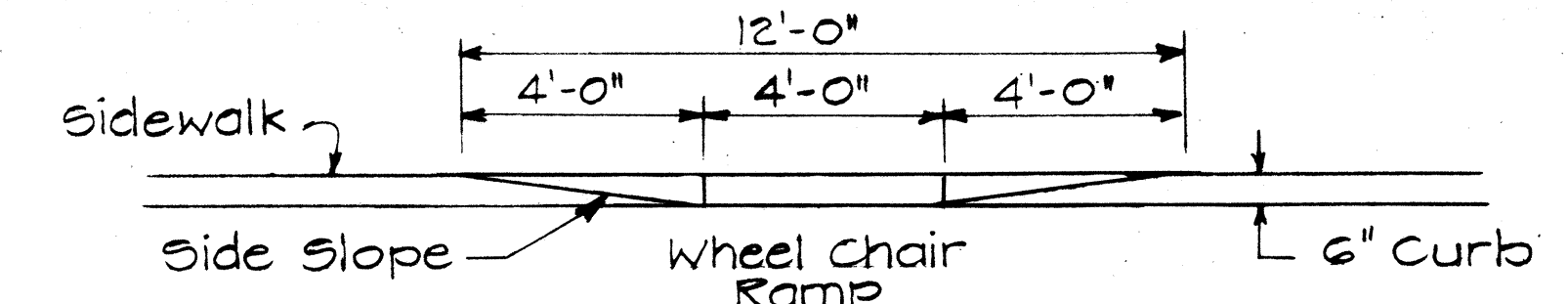


SECTION "A-A"

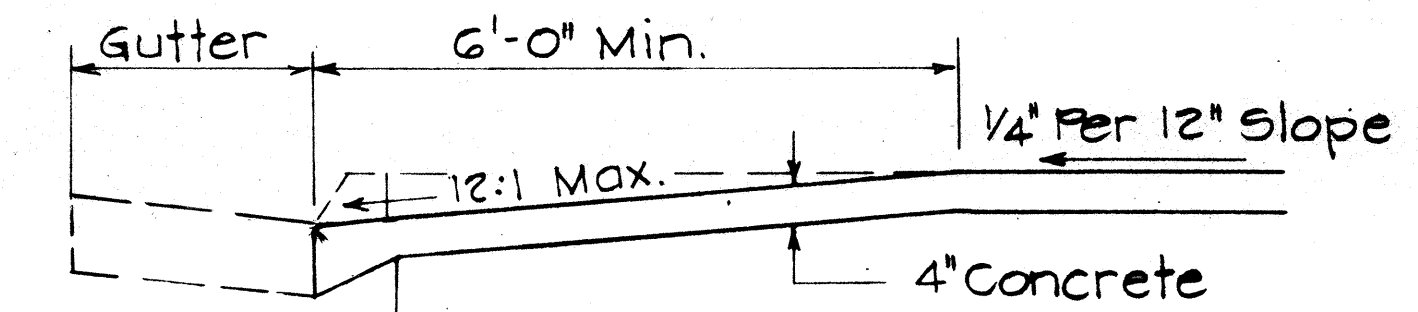
WHEELCHAIR RAMP - TYPE "C"
USE AT MEDIAN CROSSINGS, ISLANDS



PLAN
Scale: 3/8" = 1'-0"

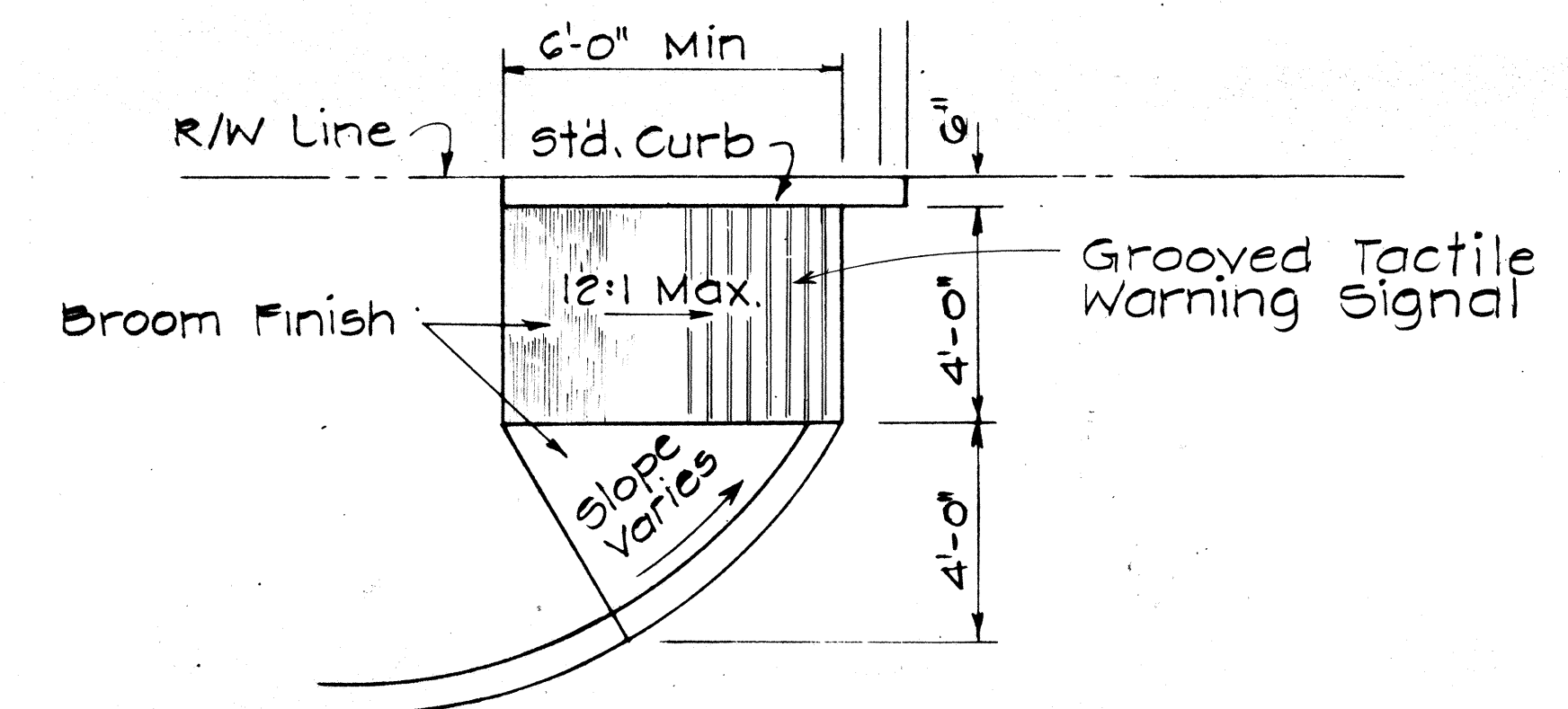


ELEVATION
Scale: 3/8" = 1'-0"



TYPICAL SECTION
Scale: 3/4" = 1'-0"

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



WHEELCHAIR RAMP - TYPE "E"

USE AT CURBED DRIVEWAYS
Scale: 3/8" = 1'-0"