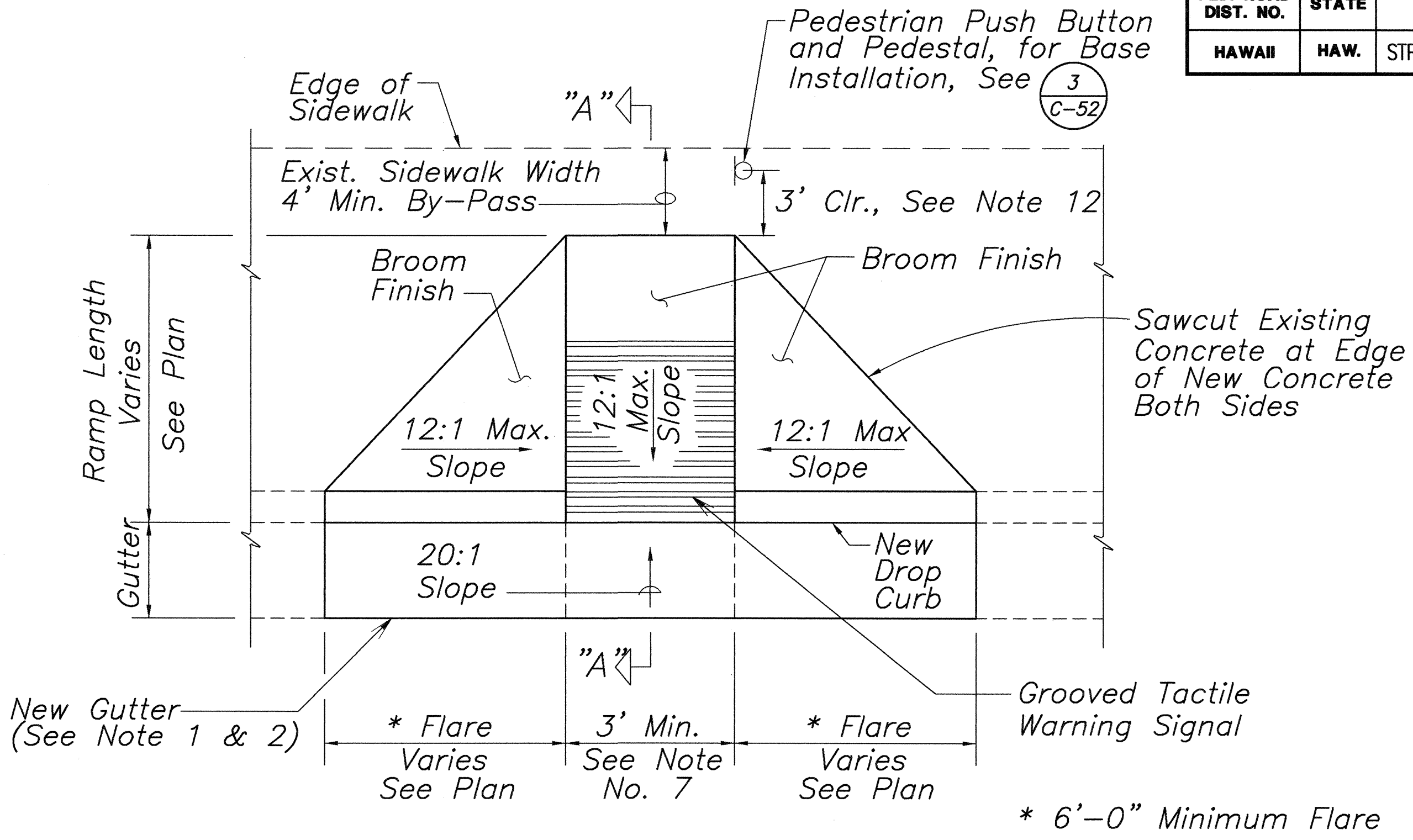


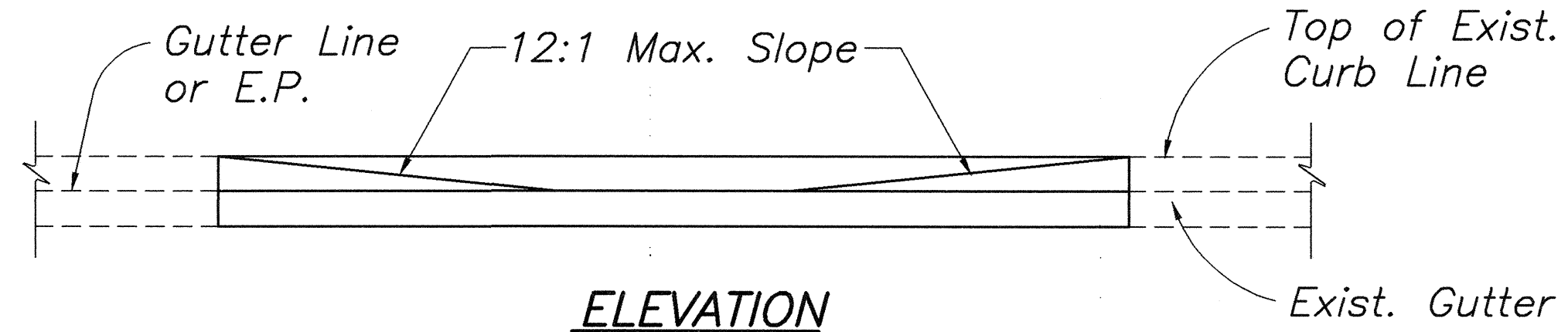
CURB RAMP NOTES:

1. The New Gutter fronting the curb ramps shall not exceed a slope of 20:1. Area without a gutter shall be handled on a case by case basis in order to meet the 20:1 slope requirement.
2. Existing gutter that does not meet the 20:1 max. slope shall be reconstructed. The reconstructed gutter fronting the 6'-0" minimum flares on both sides of the new curb ramps shall have a transition slope from 20:1 to the existing gutter slope.
3. When the curb exceeds the standard 6" height, the side flares and ramp shall be greater than 6'-0" in order to meet the 12:1 maximum slope requirement.
4. Curb Ramps shall be reinforced if adjacent sidewalks are reinforced.
5. The Contractor shall use the Edge of Pavement (E.P.) fronting the new curb ramp or gutter as the control elevation when constructing the New Curb Ramp or Curb Ramp with gutter.
6. The width of the curb ramp including curbs shall match the width of the sidewalk. When the sidewalk width is less than 4'-0", an Engineer approved, modified sidewalk with a minimum 3'-0" wide curb ramp excluding curbs shall be installed.
7. The width of the curb ramp run shall be increased to 10'-0" at areas with high pedestrian traffic and as directed by the Engineer or shown on the plans.
8. A minimum 3'-0" wide by 5'-0" long (excluding curbs) flat, stable paved surface with a cross slope of 50:1 shall be provided for a parallel approach to the pedestrian push button.
9. The pedestrian push button shall meet current American with Disabilities Act (ADA) Accessibility Guidelines and will be subject to Engineer's approval. Location is as shown on Traffic Signal Plans.
10. All pullboxes shall be installed within the sidewalk/unpaved area or as directed by the Engineer. Pullboxes shall not be installed within the curb ramp (including flares).
11. For Type "B" & Type "E" Curb Ramps, New Standard Curb shall be 12" wide when installing Type I Traffic Signal Standard (TSS) or Pedestrian Push Button Pedestal (PPB). Where Type II or Type III TSS or Highway Light Pole is utilized, the width of the New Standard Curb shall be determined by the Engineer. For sidewalk less than 4'-0" (excluding curb), an Engineer approved 3'-0" wide minimum curb ramp shall be installed.
12. Provide 36" wide minimum clear unobstructed path at top of curb ramps and at other obstructions.

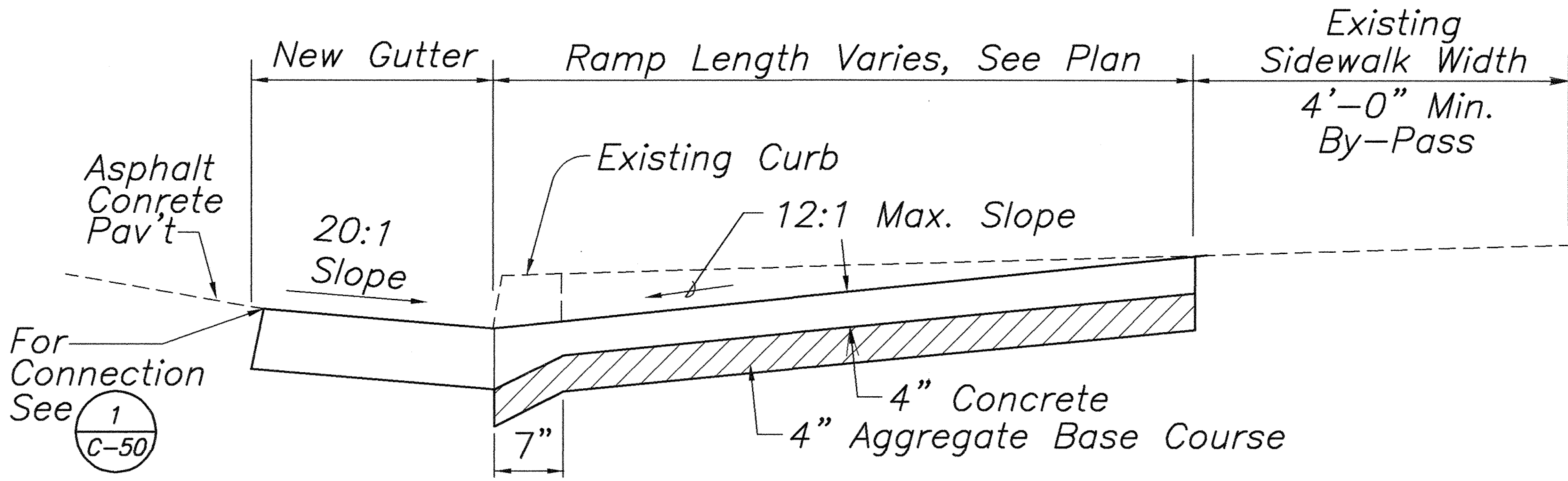
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-092-1(24)	2000	48	57



PLAN



ELEVATION

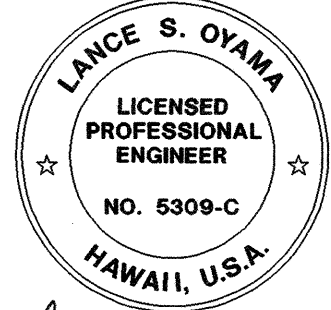


SECTION "A-A"

CURB RAMP - TYPE "A"
(Sidewalk Width 10' or Greater)

1
C-47

Not to Scale

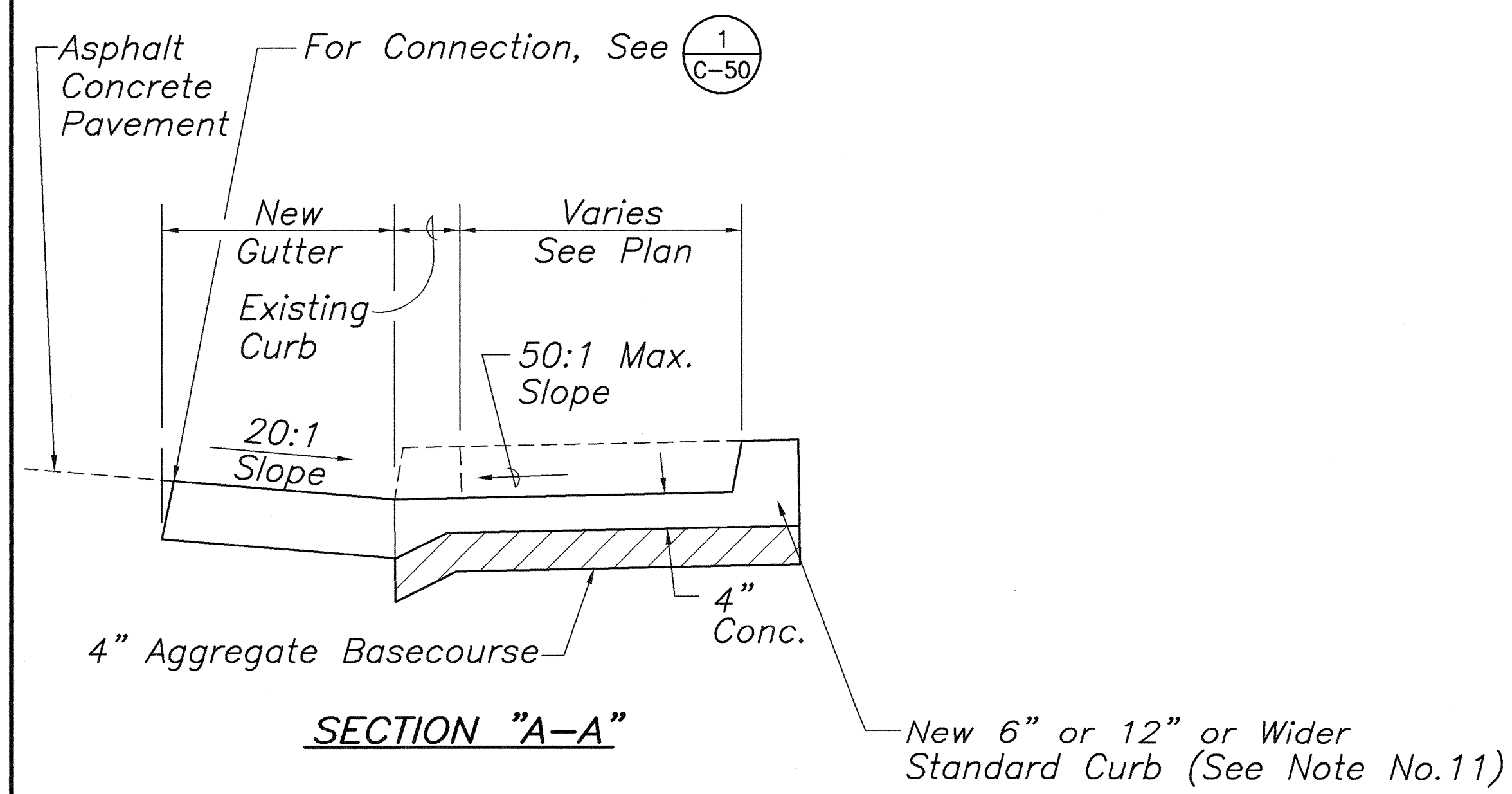
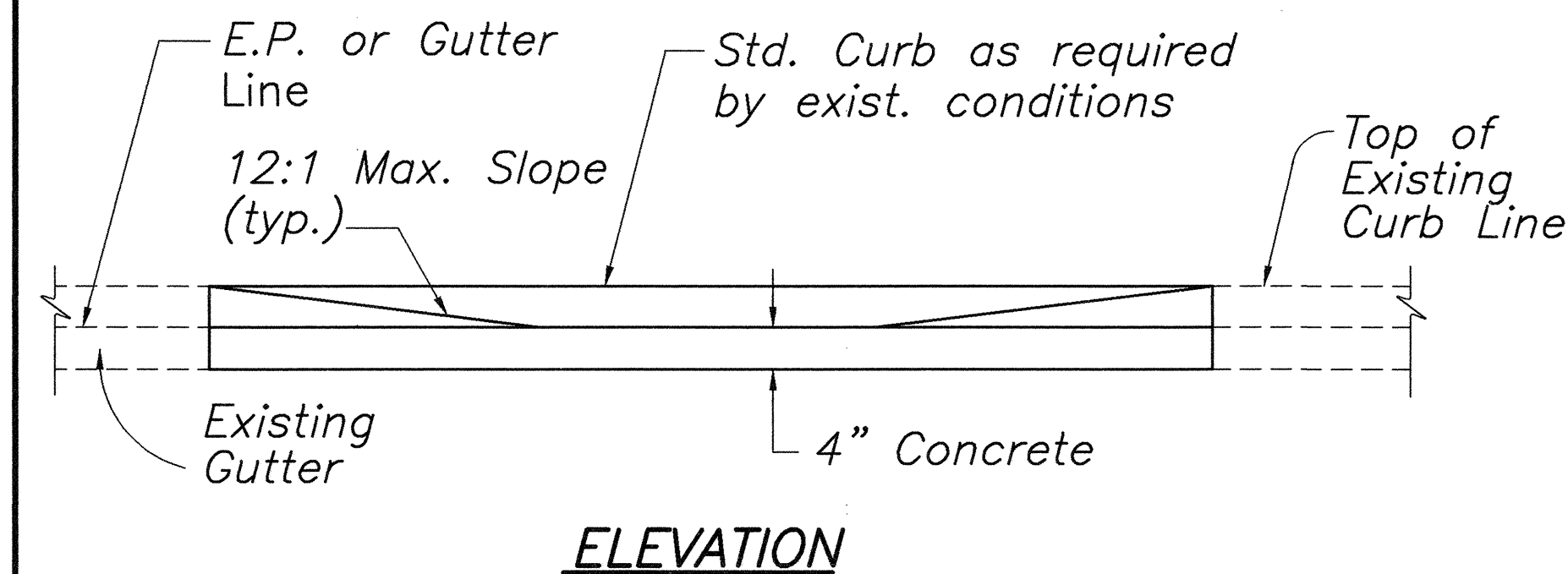
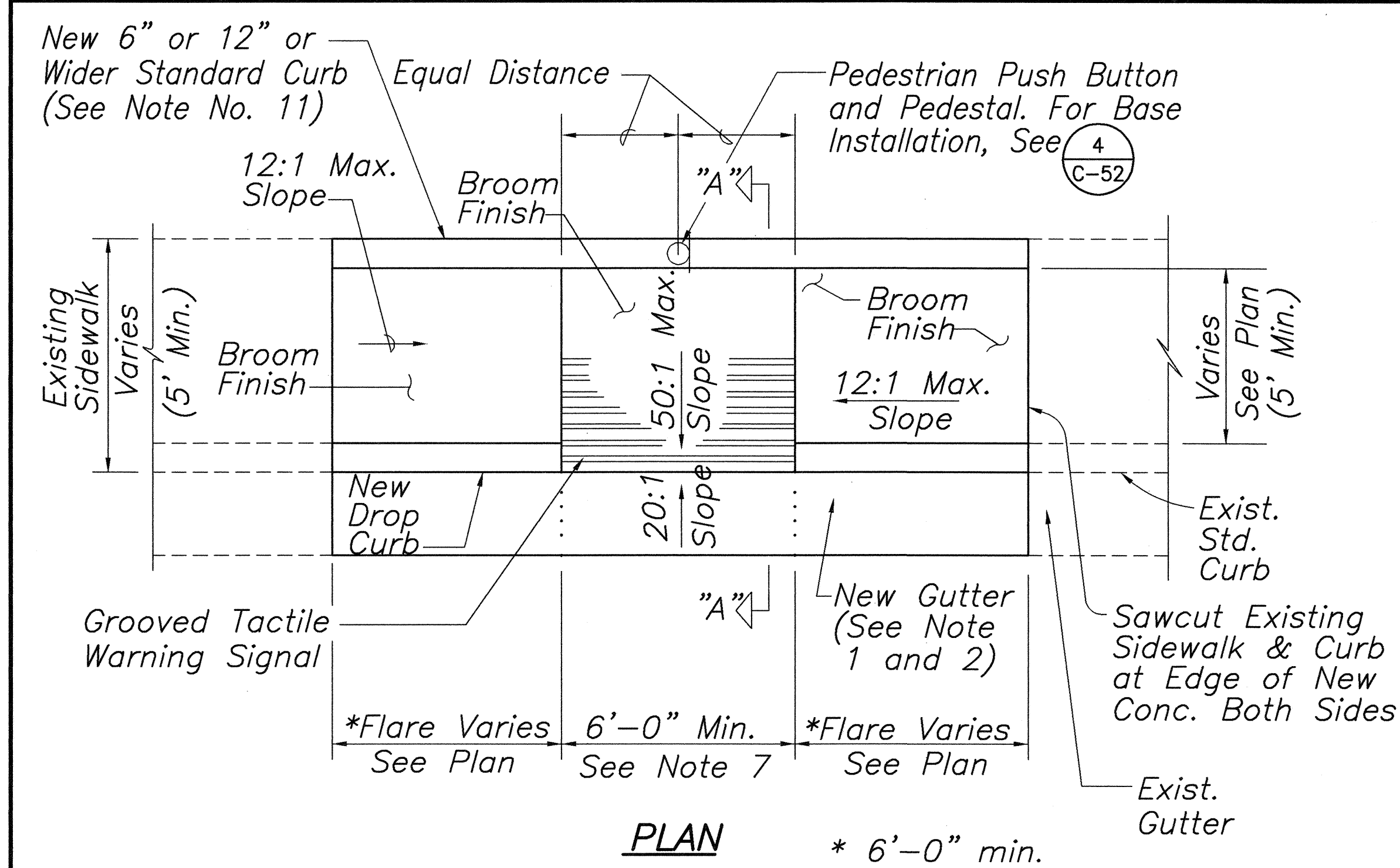


Lance S. Oyama

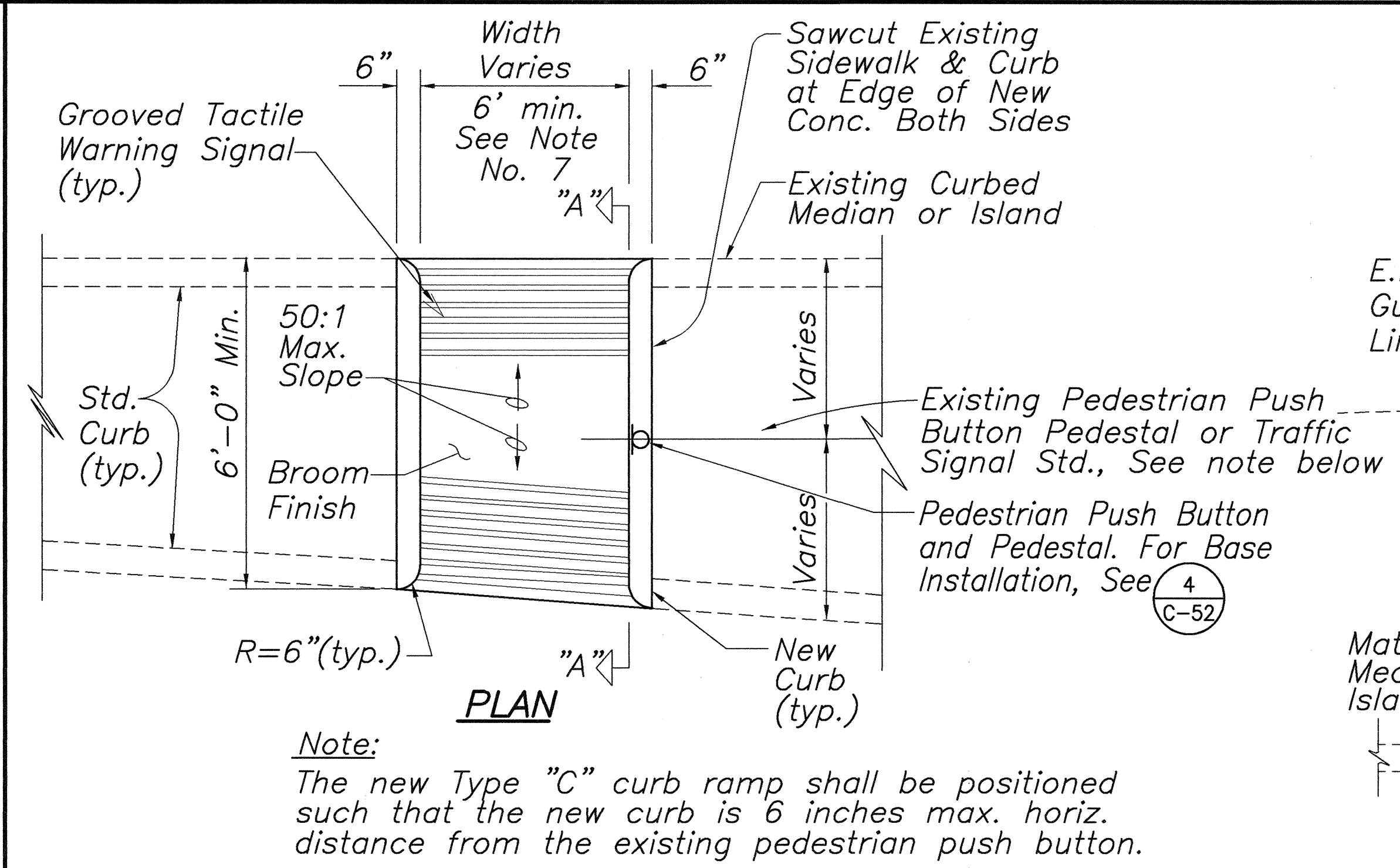
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
CURB RAMP DETAILS NIMITZ HIGHWAY RESURFACING RODGERS BOULEVARD TO AHUA STREET FED. AID PROJECT NO. STP-092-1(24)	
Scale: None	Date: Aug. 2, 1999

SHEET No. C-47 OF 57 SHEETS

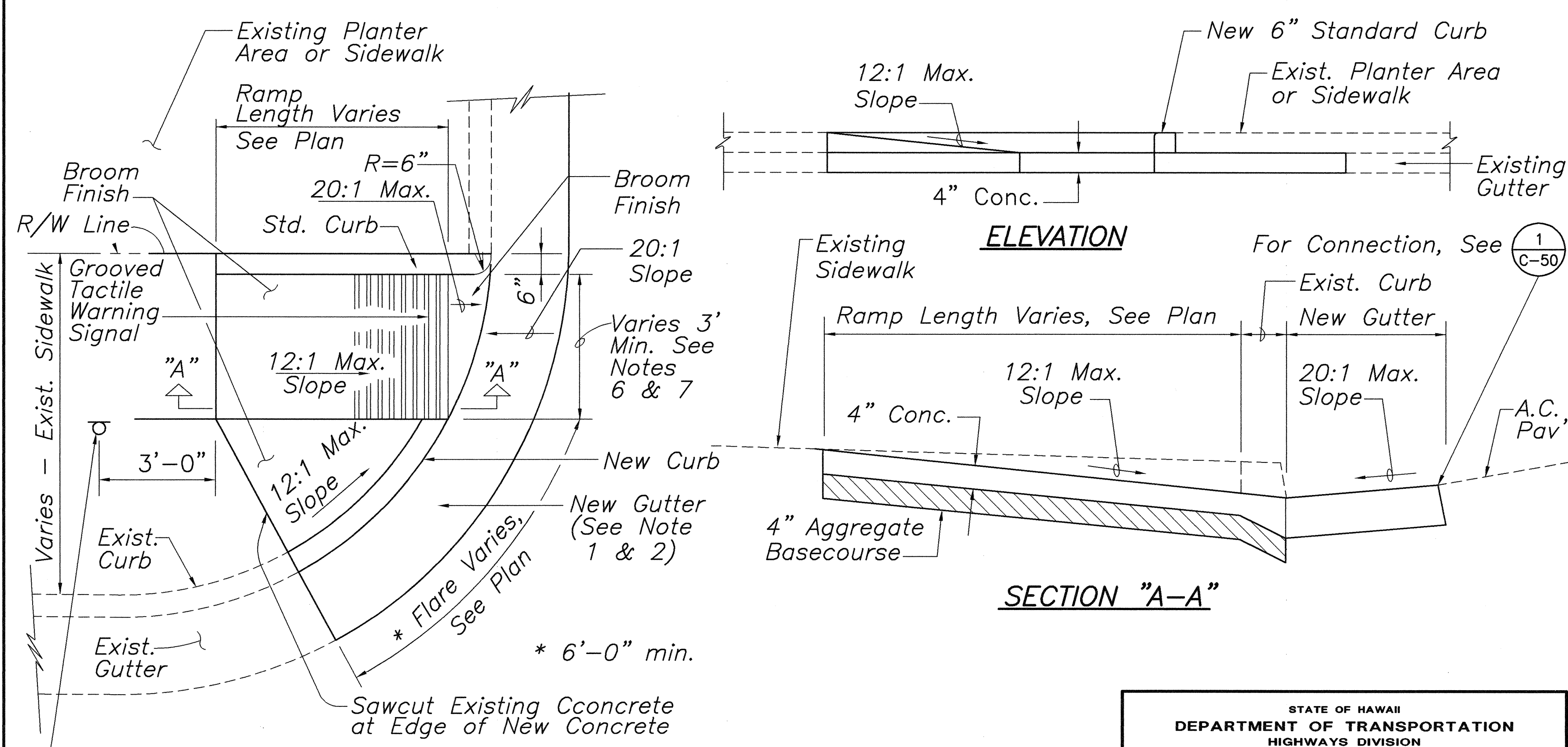
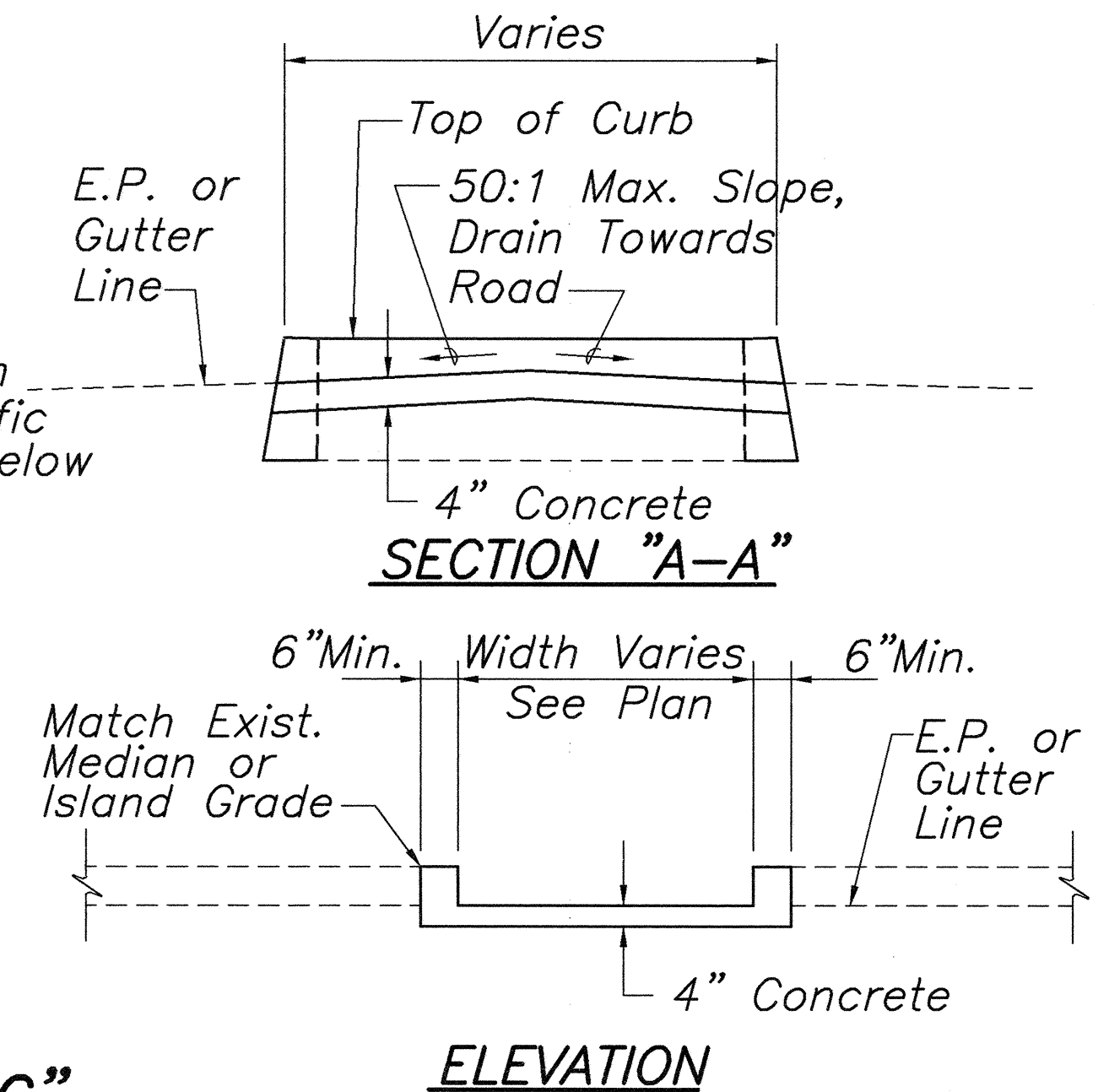
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-092-1(24)	2000	49	57



1 CURB RAMP - TYPE "B"
C-48 Not to Scale



2 CURB RAMP - TYPE "C"
C-48 Not to Scale



3 CURB RAMP - TYPE "D"
C-48 Not to Scale



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

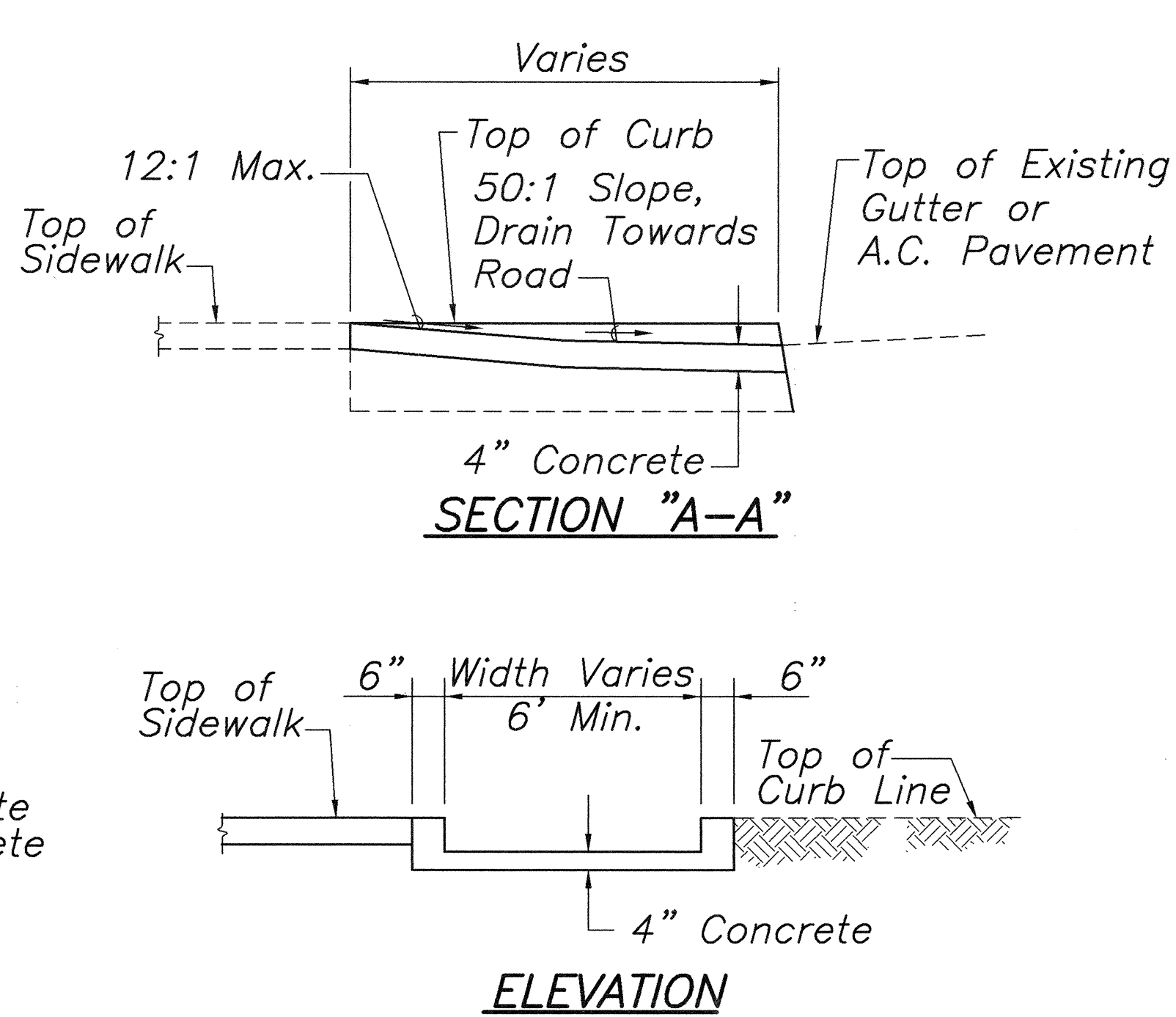
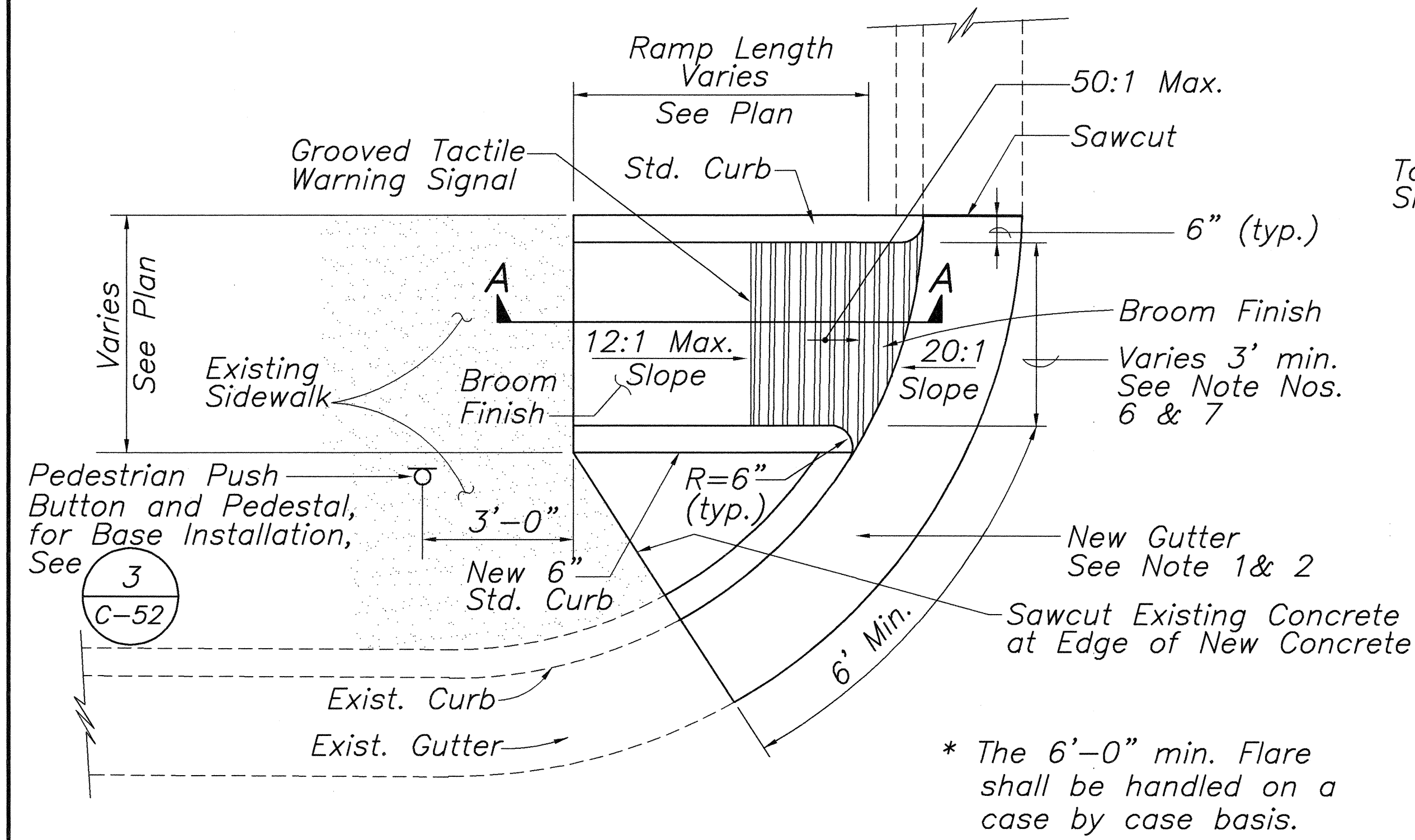
CURB RAMP DETAILS

NIMITZ HIGHWAY RESURFACING
RODGERS BOULEVARD TO AHUA STREET
FED. AID PROJECT NO. STP-092-1(24)

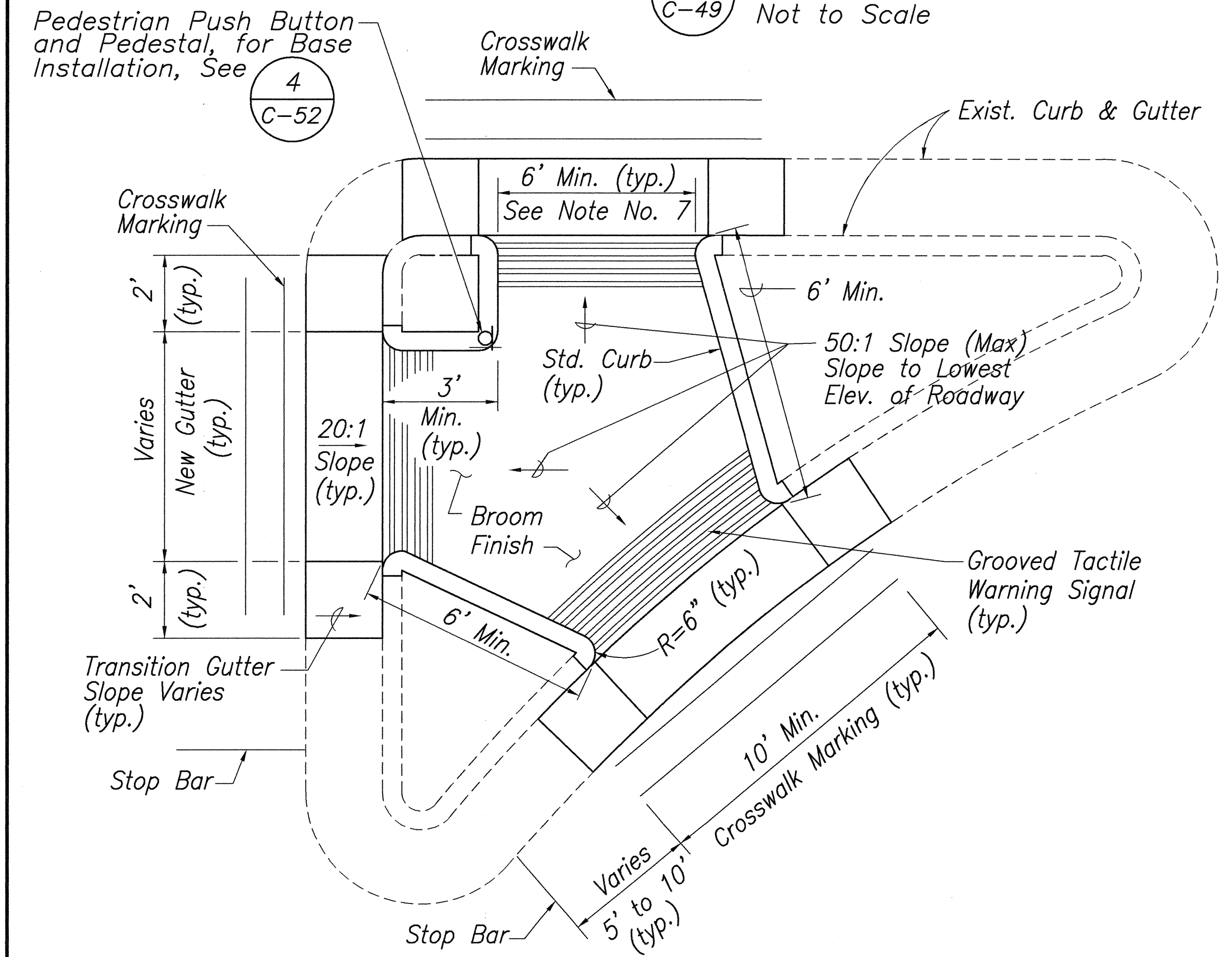
Scale: As Noted Date: Aug. 2, 1999

SHEET No. C-48 OF 57 SHEETS

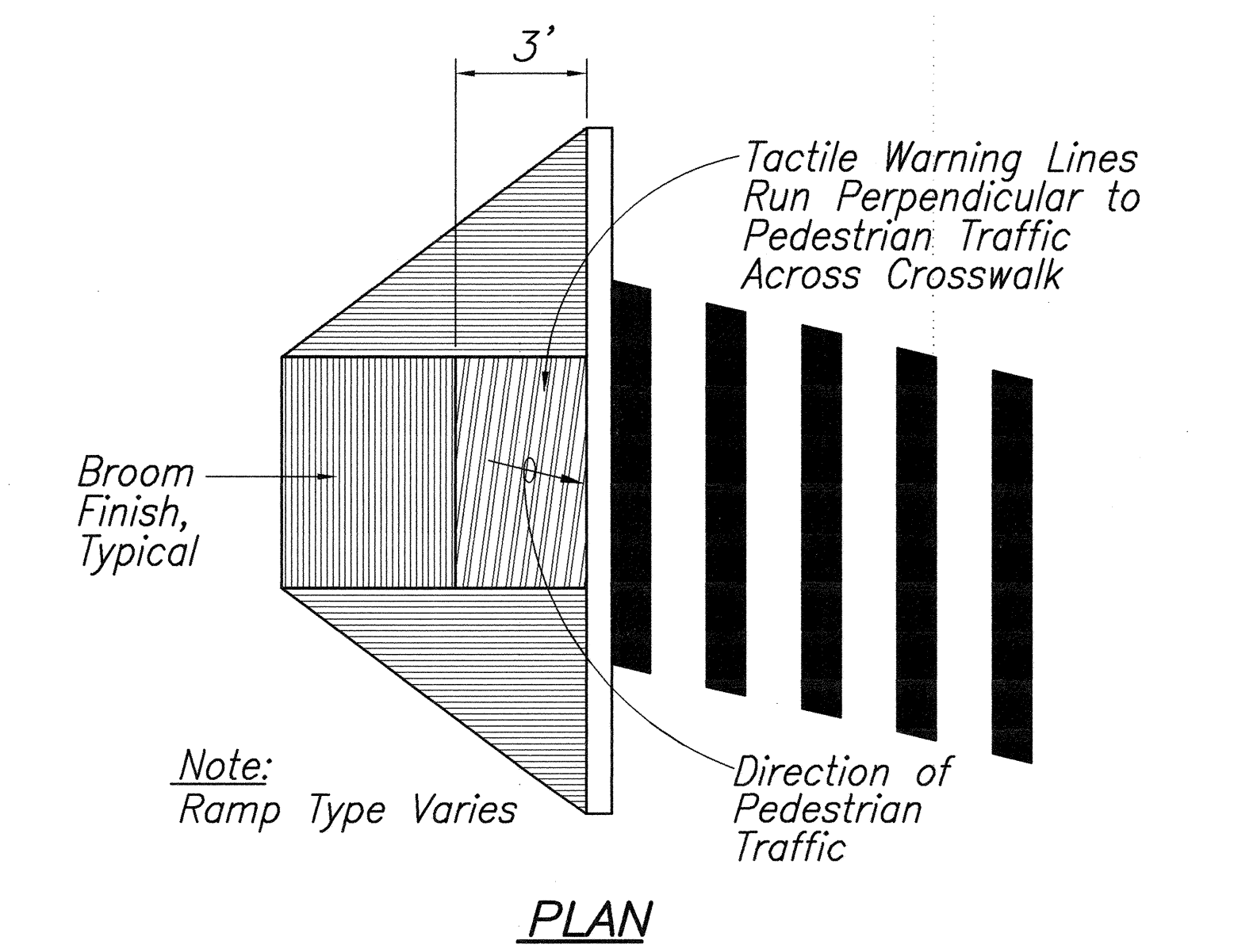
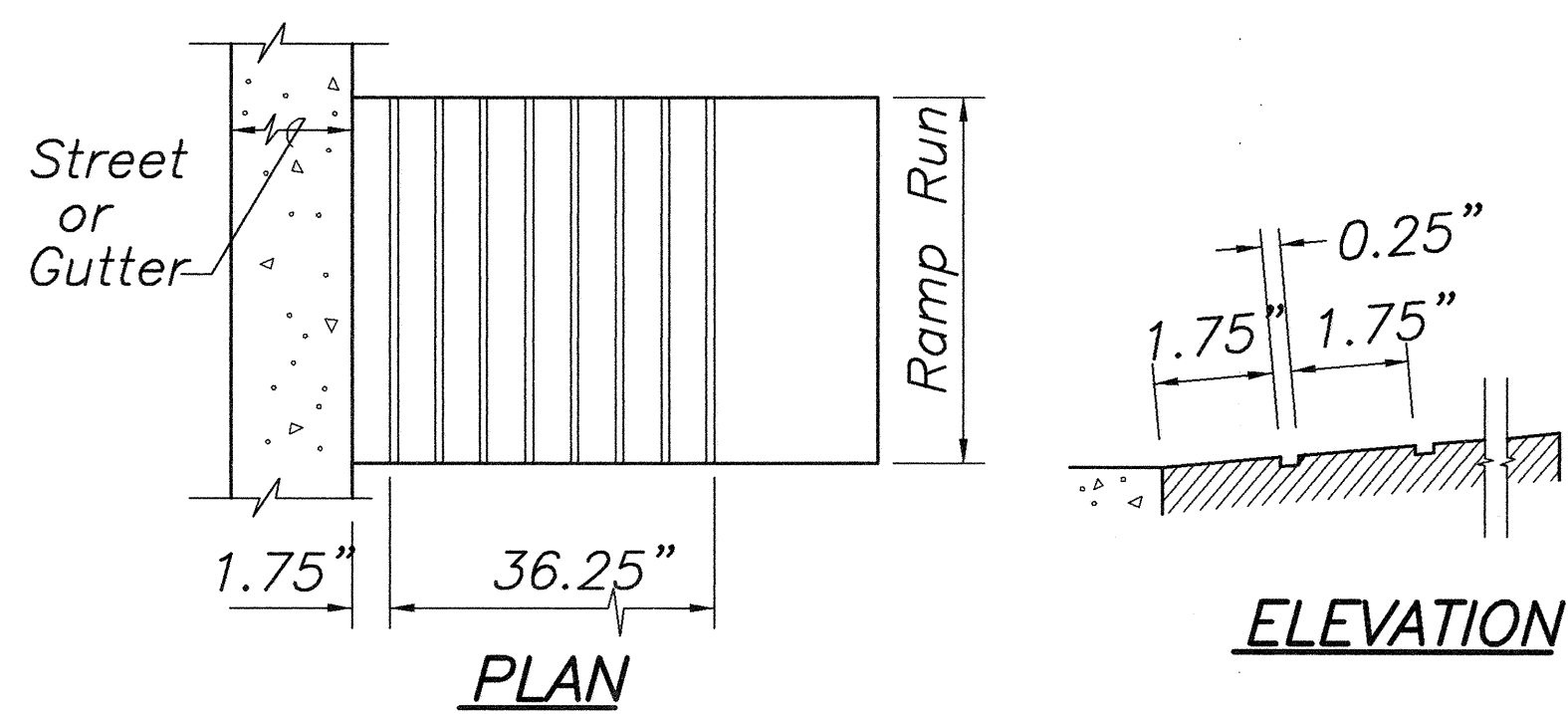
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-092-1(24)	2000	50	57



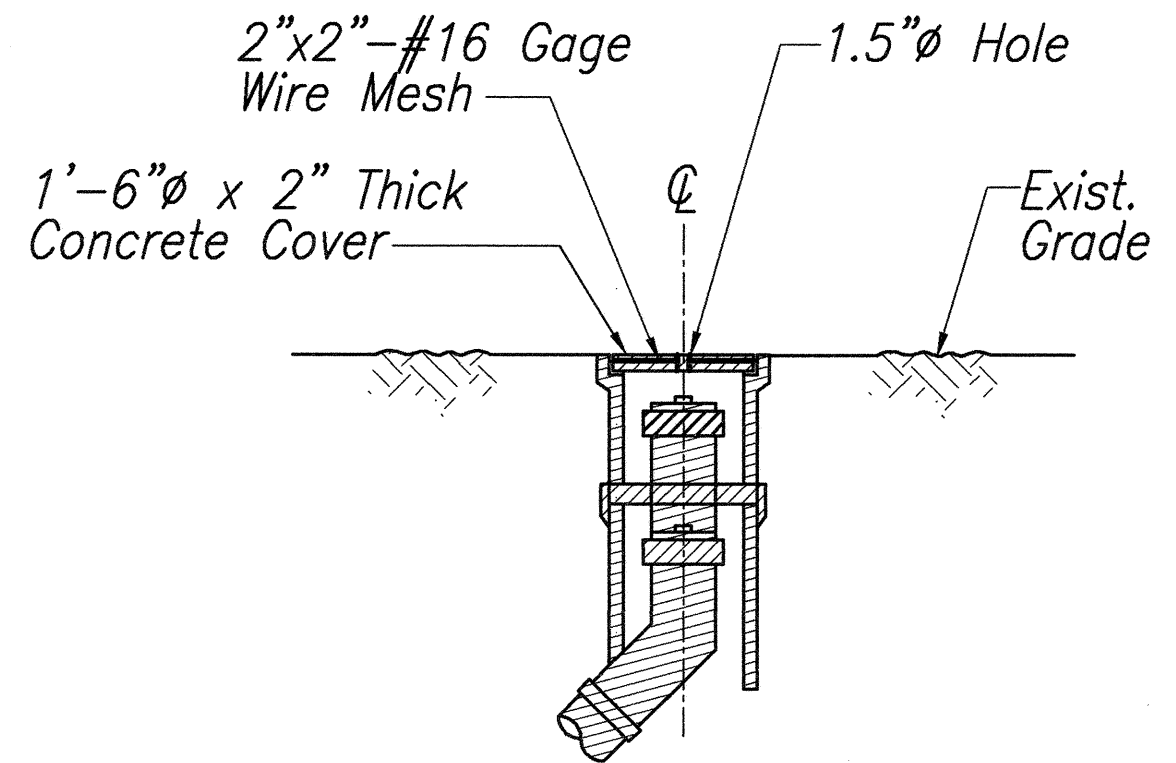
1 CURB RAMP - TYPE "D" (MODIFIED)
C-49 Not to Scale



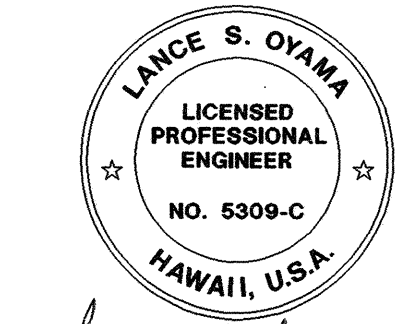
2 CURB RAMP - TYPE "C" (MODIFIED)
C-49 Not to Scale



3 GROOVED TACTILE WARNING SIGNAL
C-49 Not to Scale



4 COTG COVER
C-49 Not to Scale



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CURB RAMP DETAILS
AND MISCELLANEOUS DETAILS
NIMITZ HIGHWAY RESURFACING
RODGERS BOULEVARD TO AHUA STREET
FED. AID PROJECT NO. STP-092-1(24)

Scale: As Noted
Date: Aug. 2, 1999

SHEET NO. C-49 OF 57 SHEETS