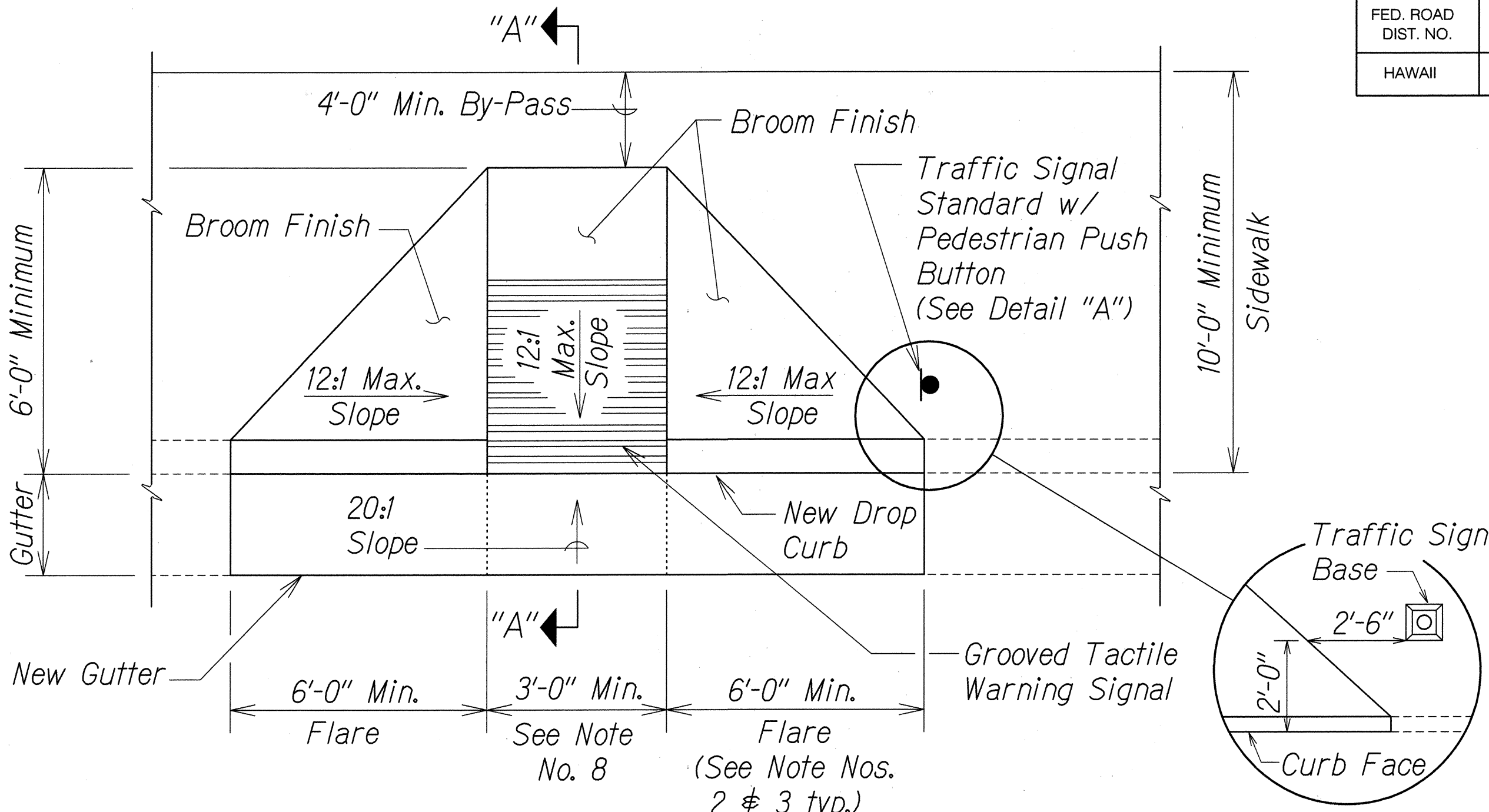


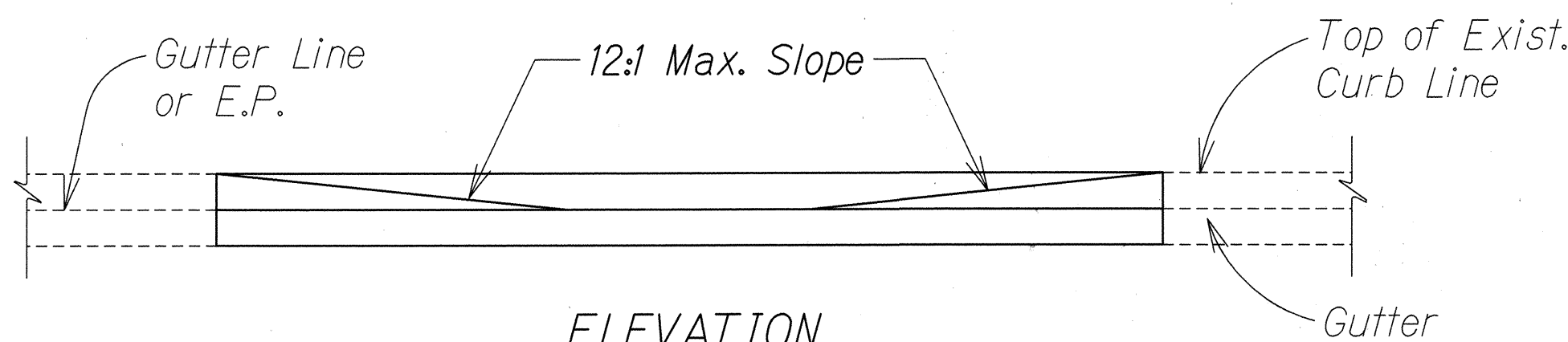
ED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-061-1 (34)	2000	18	38

CURB RAMP NOTES:

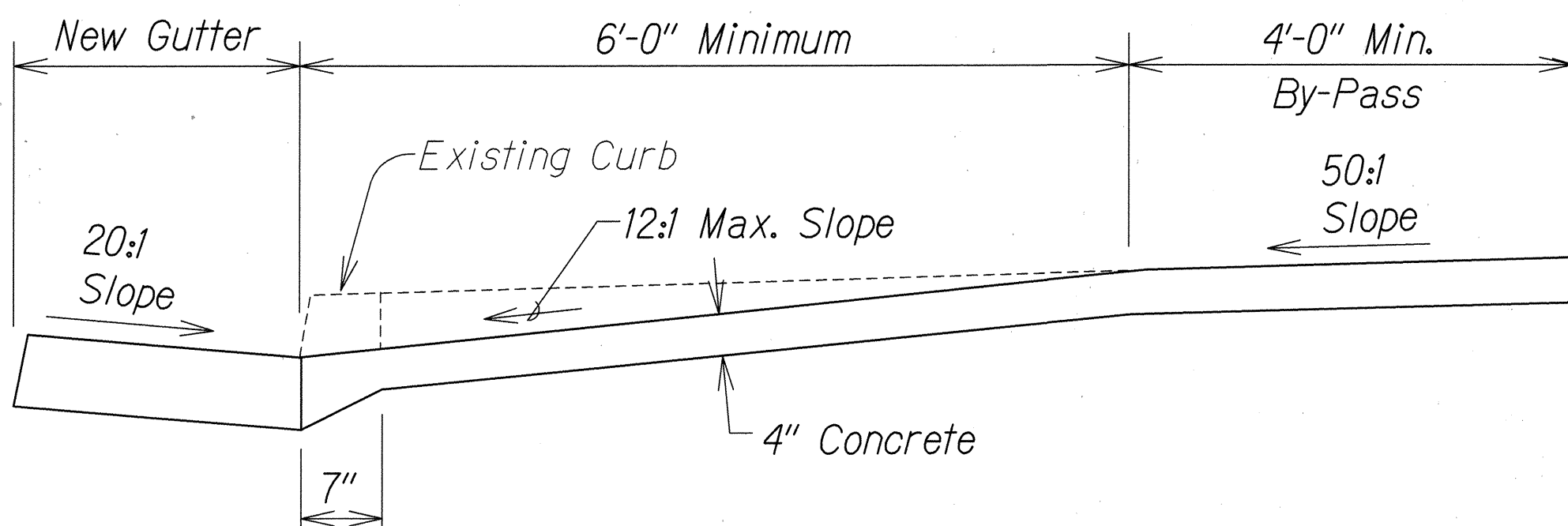
1. The New Gutter fronting the curb ramps shall not exceed a slope of 20:1. Area without a gutter shall be handled on a case by case basis in order to meet the 20:1 slope requirement.
2. The New Gutter fronting the 6'-0" minimum flares on both sides of the New Curb Ramps shall have a transition slope from 20:1 to the existing gutter slope.
3. When the curb exceeds the standard 6" height, the side flares and ramp may 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. 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.
7. 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.
8. 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.
9. 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.
10. The pedestrian push button shall meet current American with Disabilities Act (ADA) Accessibility Guidelines and will be subject to Engineer's approval.
11. 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).
12. There shall be a minimum clearance of 36" around all obstructions in the sidewalk area.



PLAN



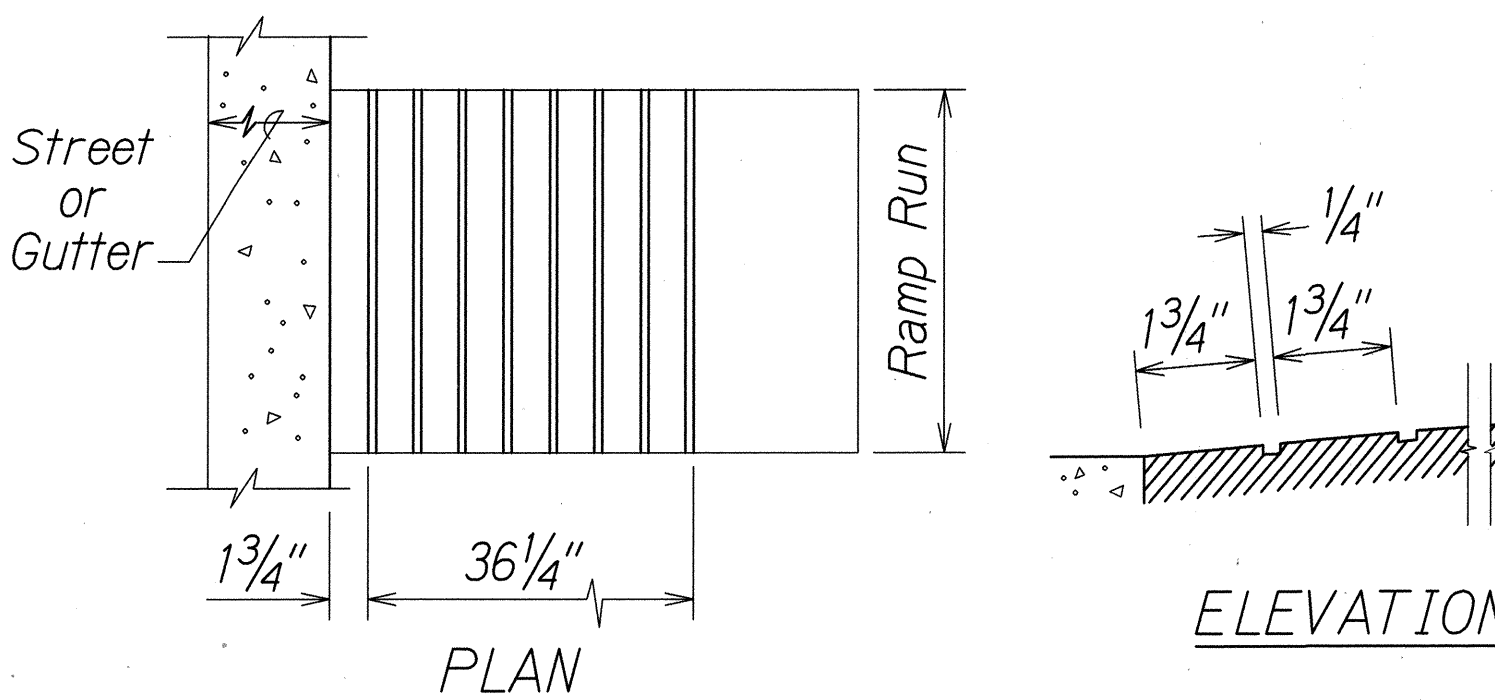
ELEVATION



SECTION "A-A"

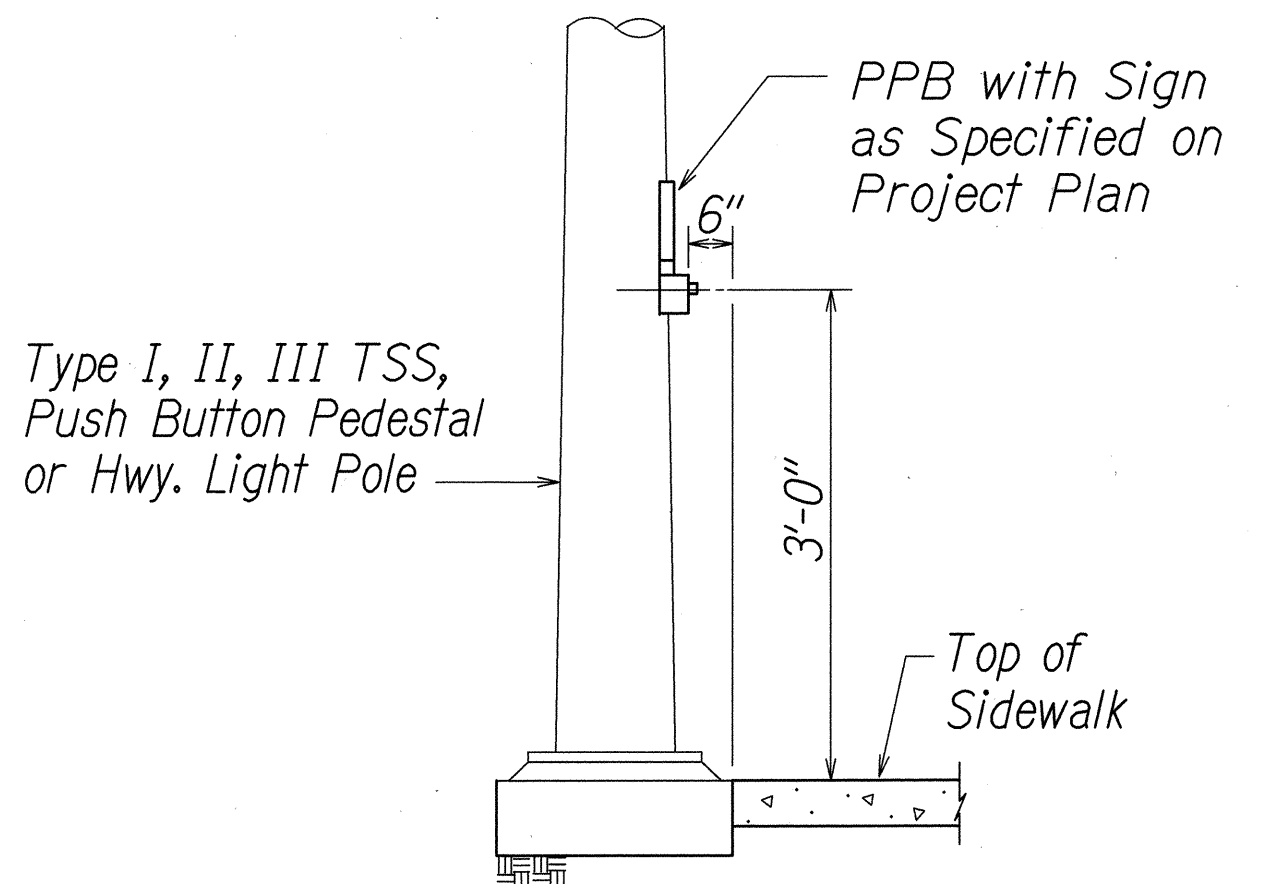
CURB RAMP - TYPE "A"

SIDEWALK WIDTH 10'-0" OR GREATER



ELEVATION

GROOVED TACTILE WARNING SIGNAL



DETAIL "A"

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____	
	DRAWN BY <u>X</u>	•
	TRACED BY _____	•
	DESIGNED BY <u>X</u>	•
	QUANTITIES BY _____	•
	CHECKED BY _____	•
NOTE BOOK	<u>dx x</u>	
N.	<u>X ggn</u>	

td1/usr2/traffic/std/curbrampa.dgn

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

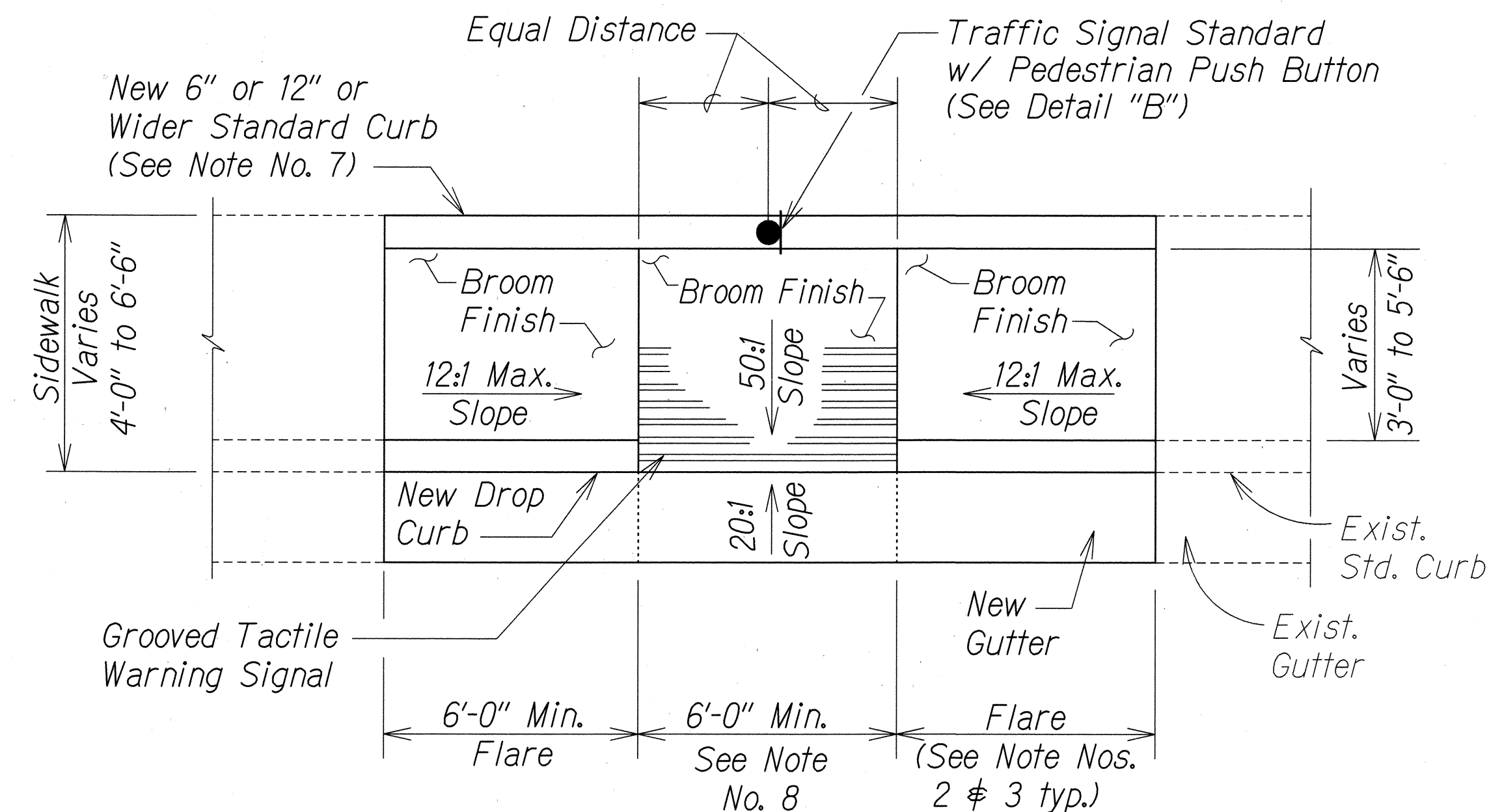
CURB RAMP DETAIL

PALI HIGHWAY
INTERSECTION IMPROVEMENTS AT JACK LANE
F.A. PROJECT NO. STP-061-1 (34)

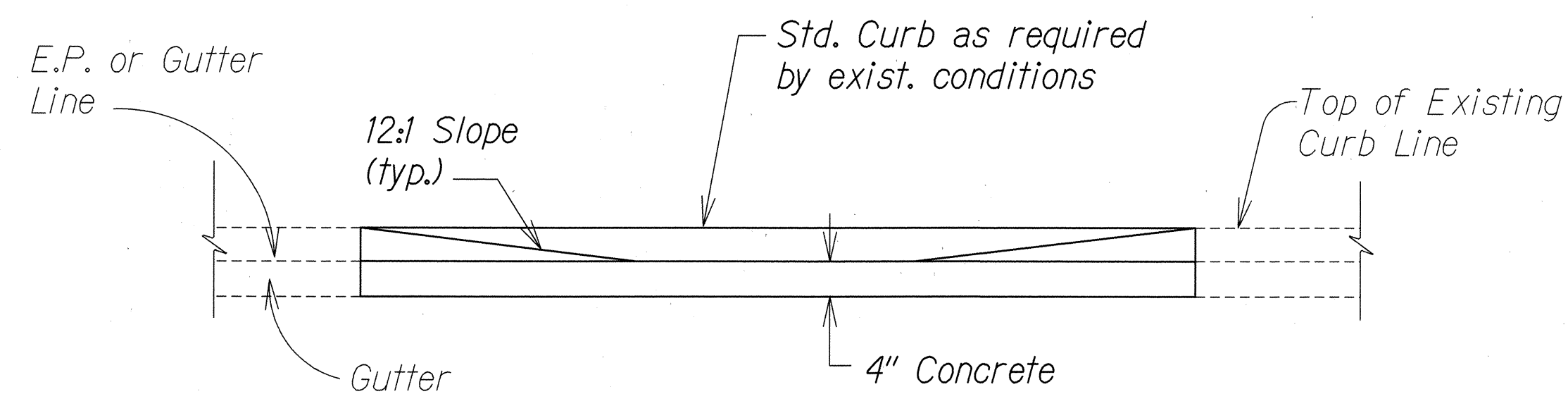
Scale: _____ Date: Feb 29, 2000

SHEET No. 1 OF 4 SHEETS

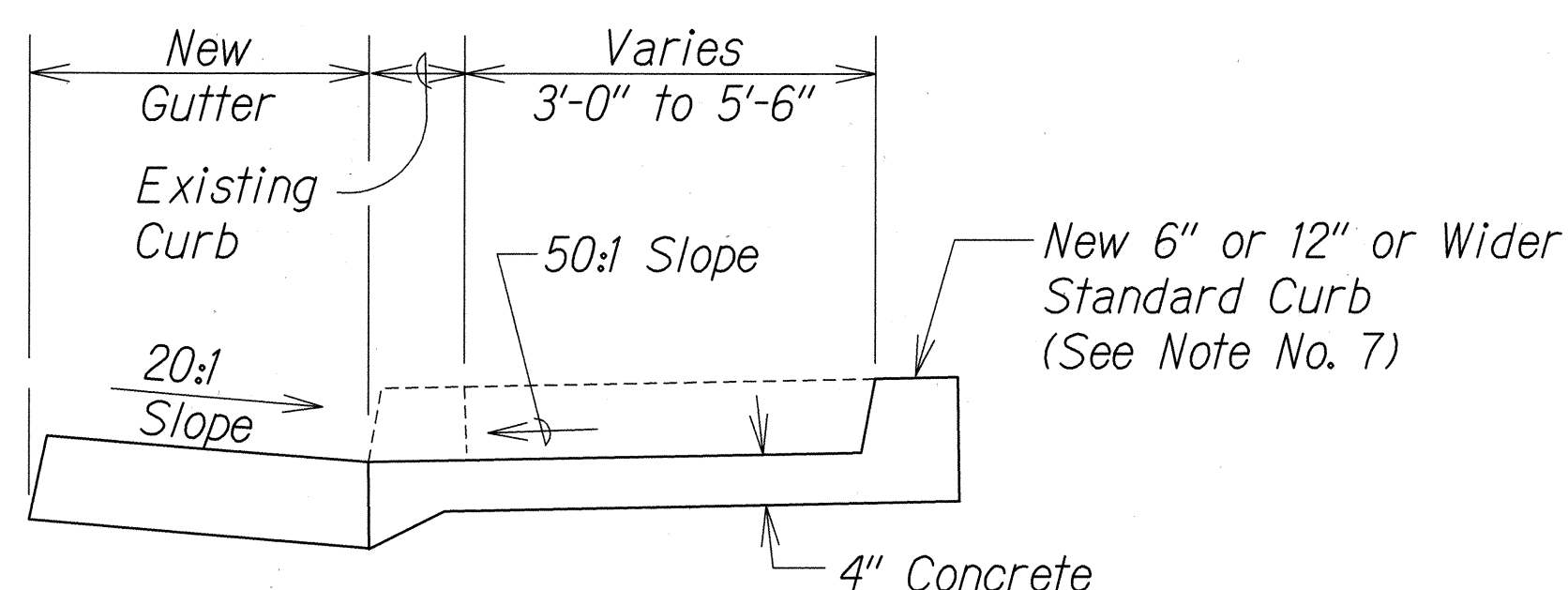
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-061-1 (34)	2000	19	38



PLAN

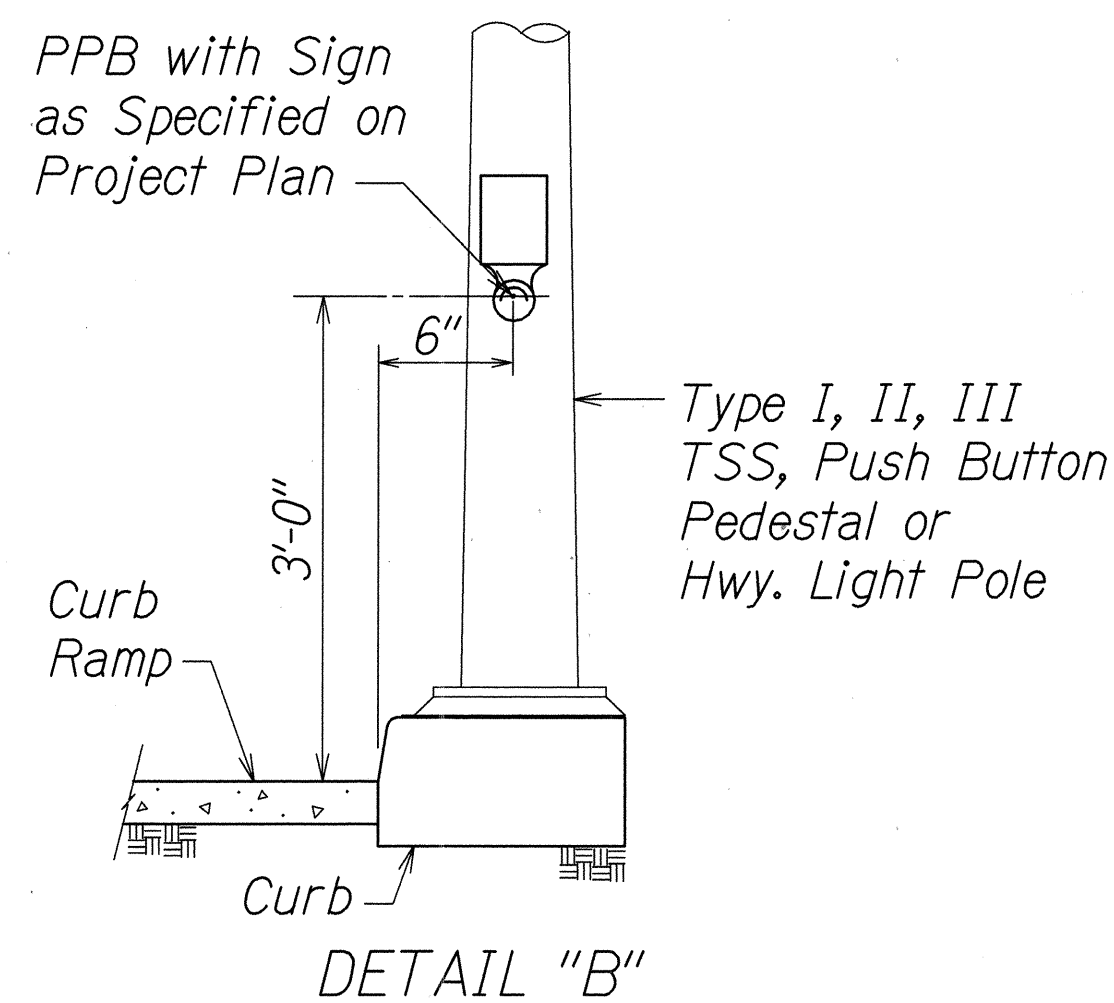


ELEVATION

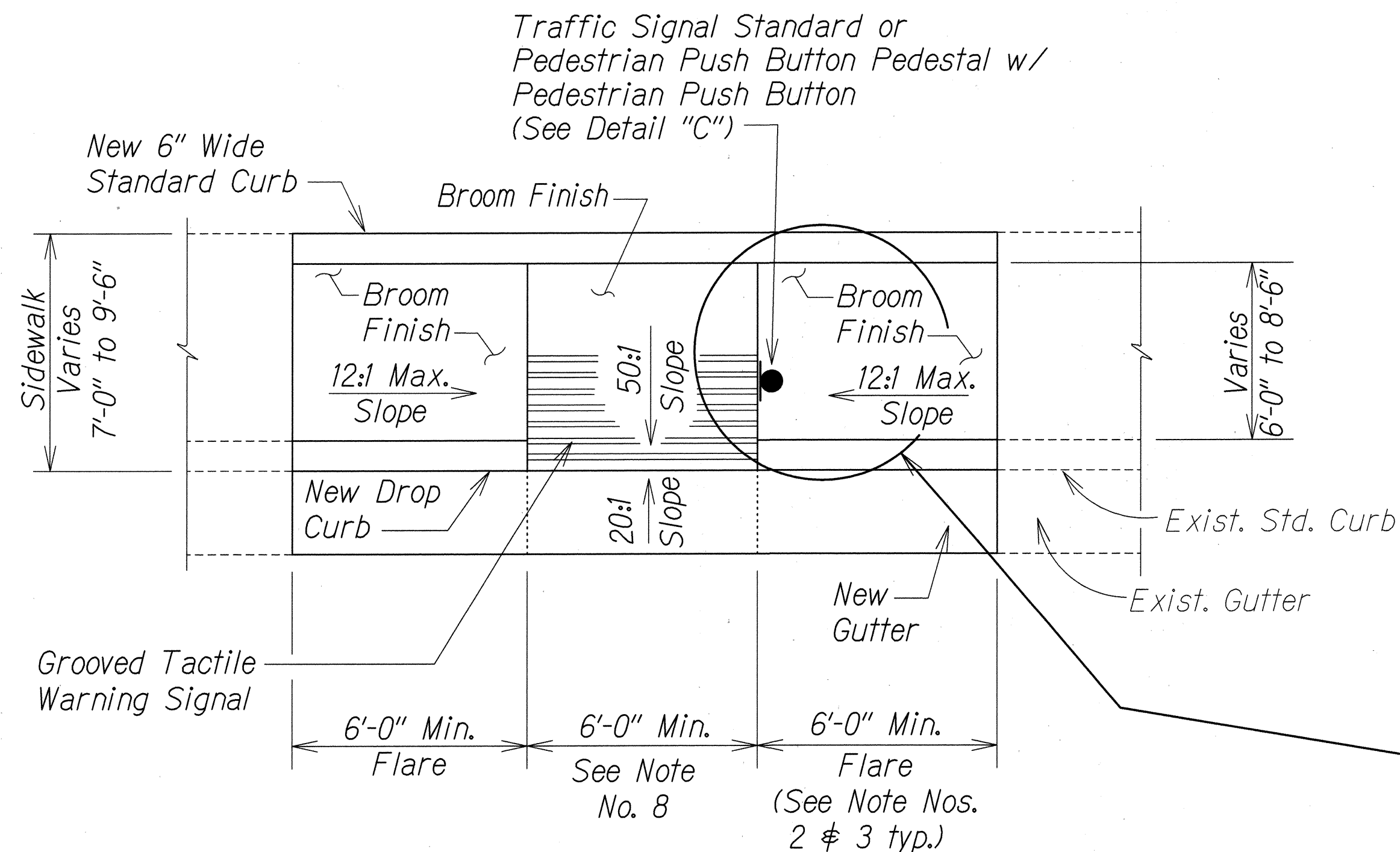


TYPICAL SECTION

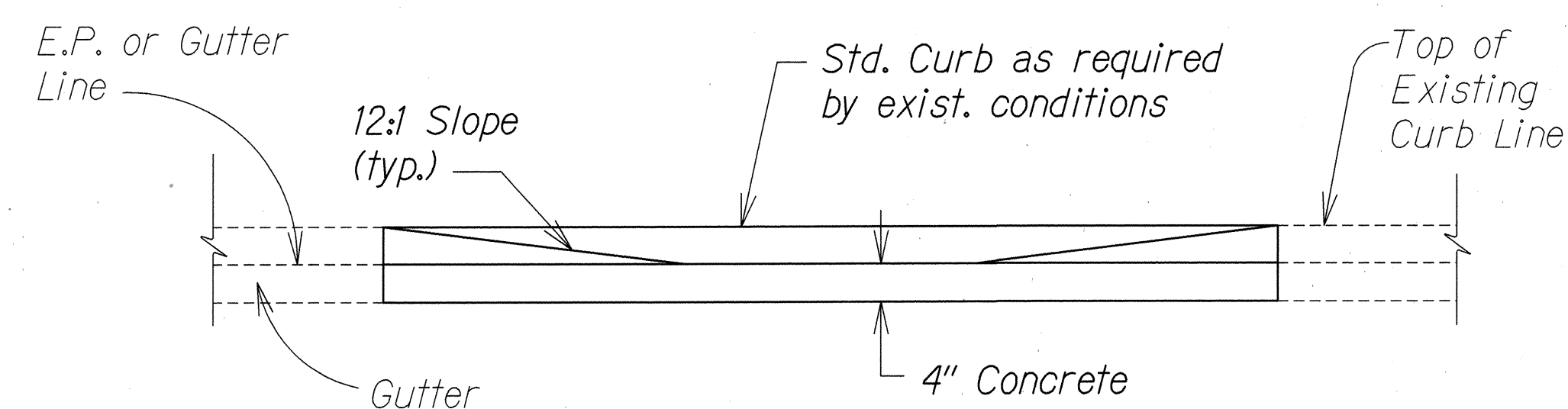
CURB RAMP - TYPE "B"
SIDEWALK WIDTH 4'-0" OR GREATER
BUT LESS THAN 7'-0" WIDTH
(FOR EXISTING SIDEWALK ONLY)



DETAIL "B"



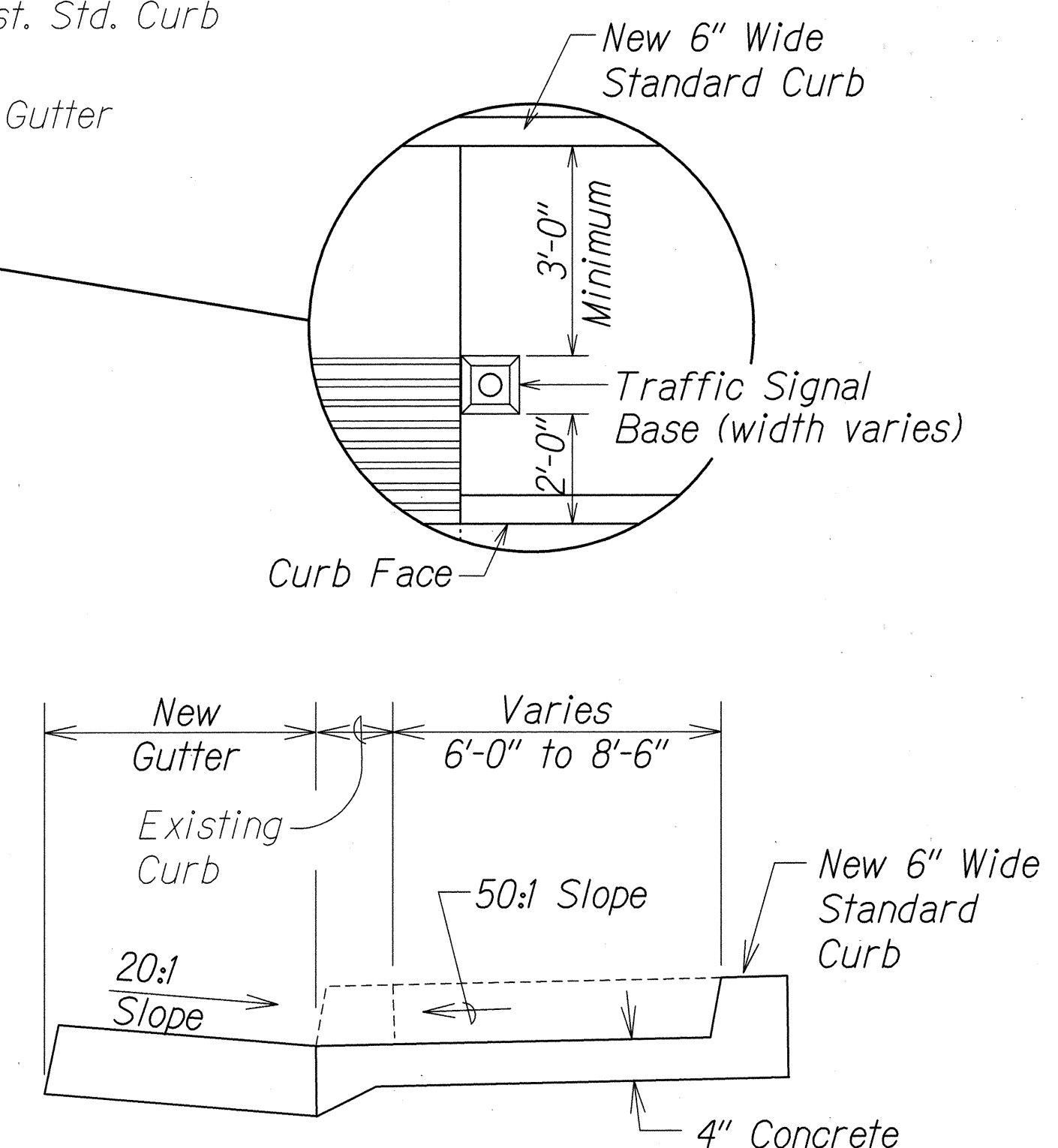
PLAN



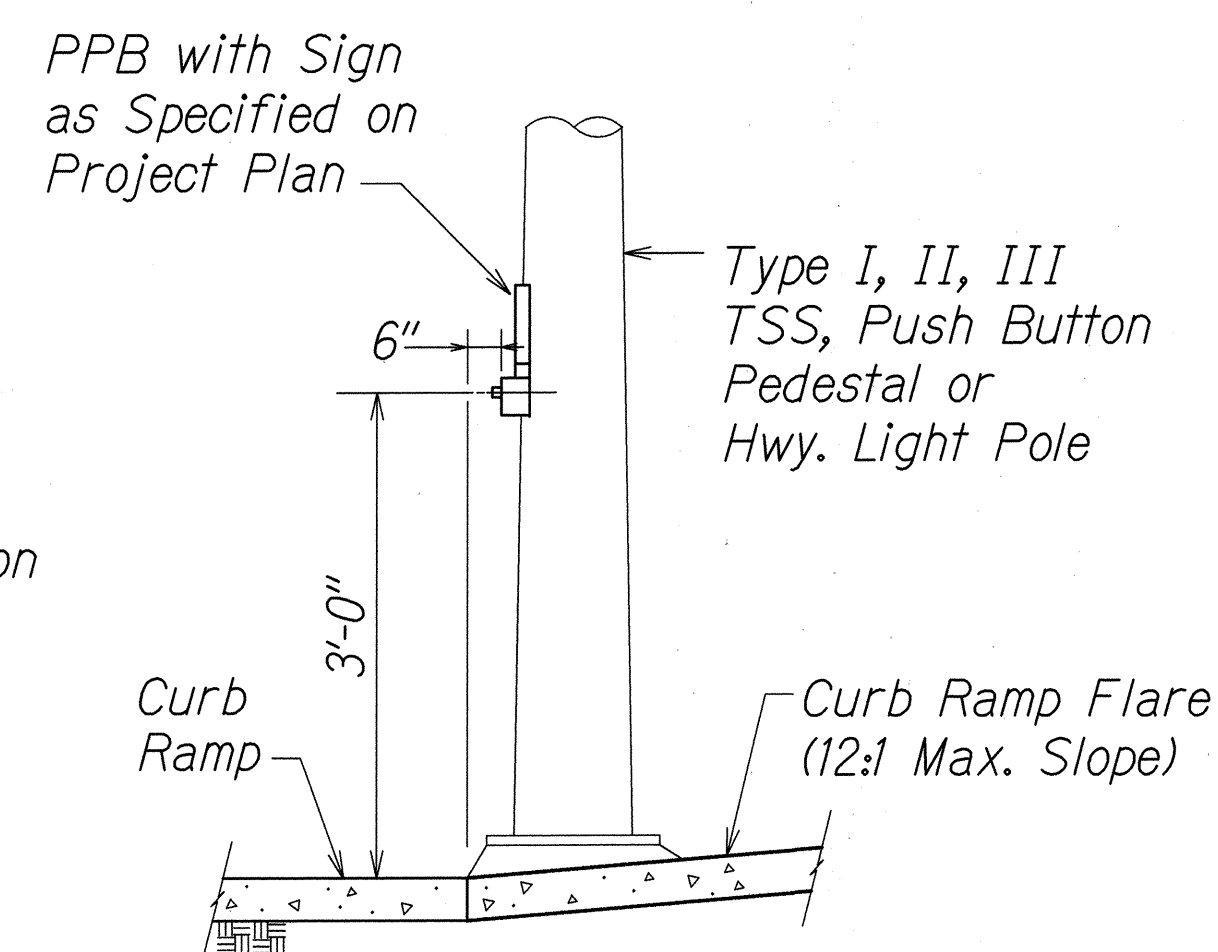
ELEVATION

CURB RAMP - TYPE "B" MODIFIED

SIDEWALK WIDTH 7'-0" OR GREATER
BUT LESS THAN 10'-0" WIDTH



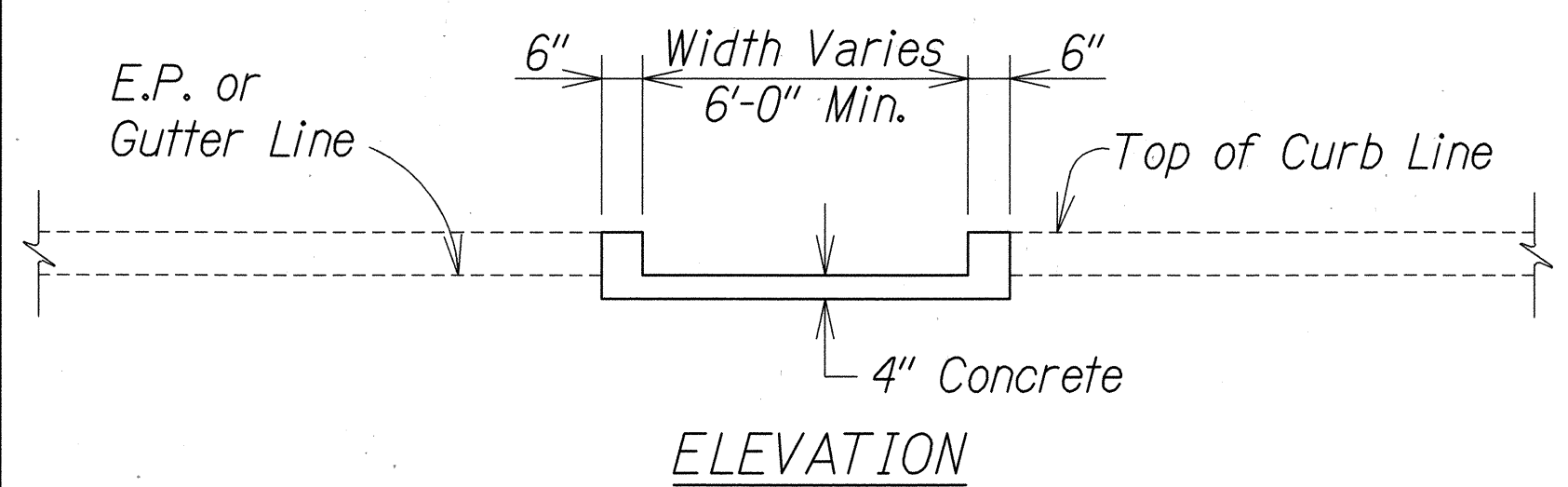
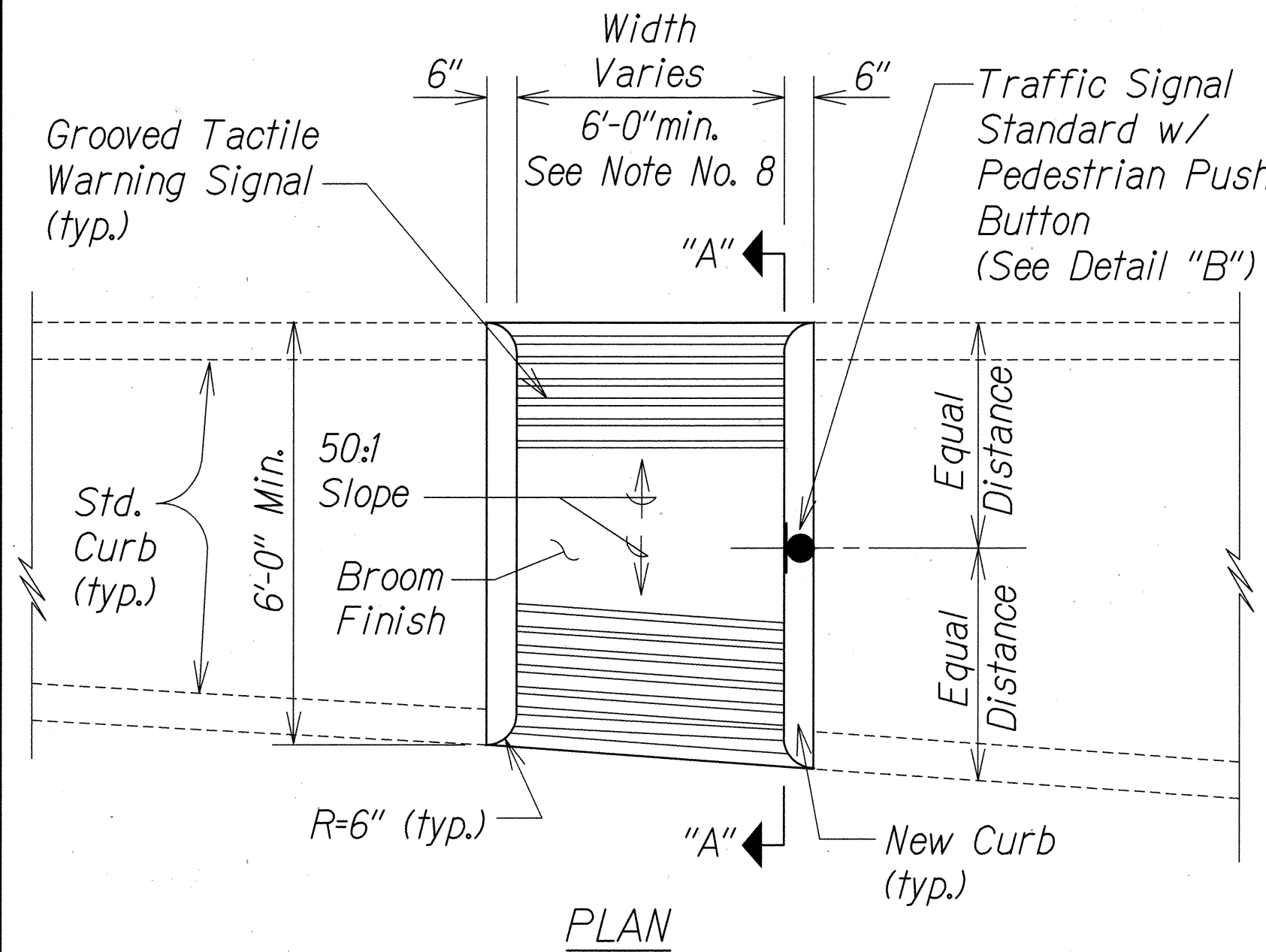
TYPICAL SECTION



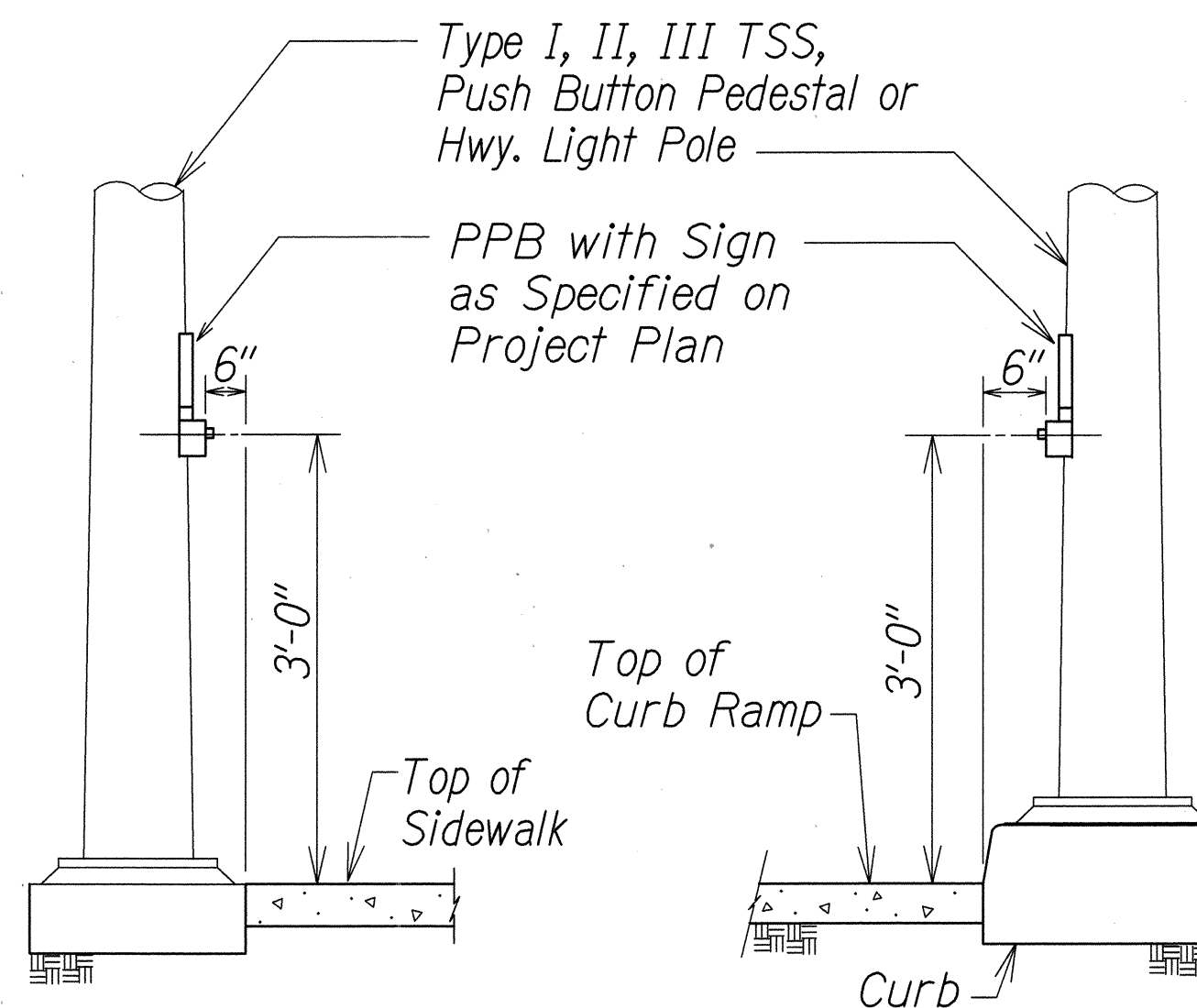
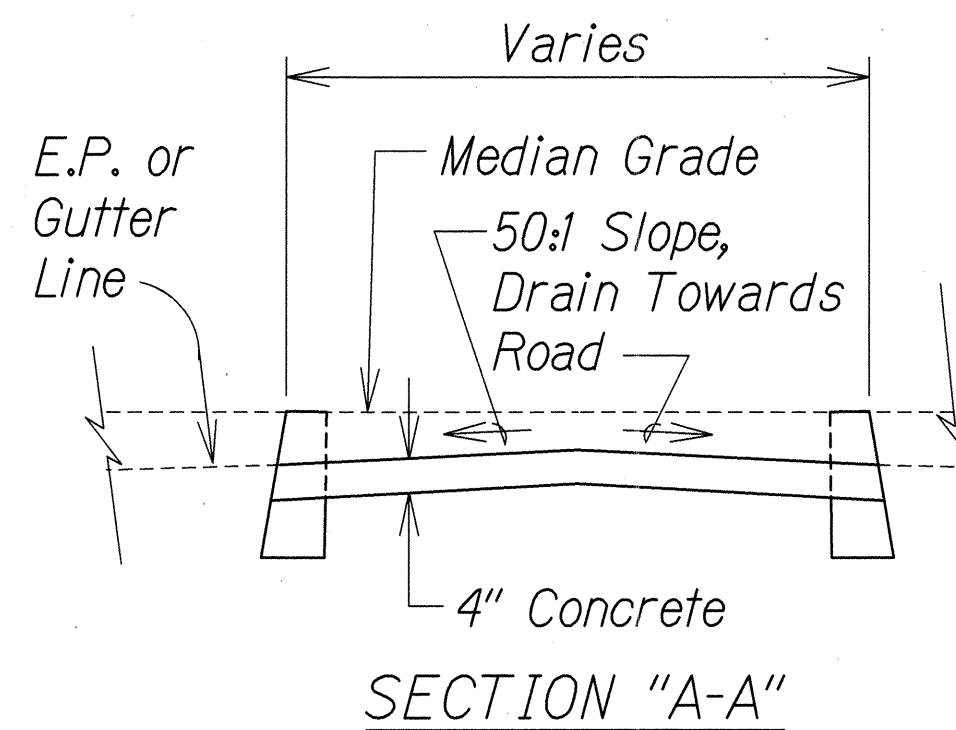
DETAIL "C"

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
CURB RAMP DETAIL	
PALI HIGHWAY INTERSECTION IMPROVEMENTS AT JACK LANE F.A. PROJECT NO. STP-061-1 (34)	
Scale:	Date: Feb 29, 2000
SHEET No. 2 OF 4 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-061-1 (34)	2000	20	38

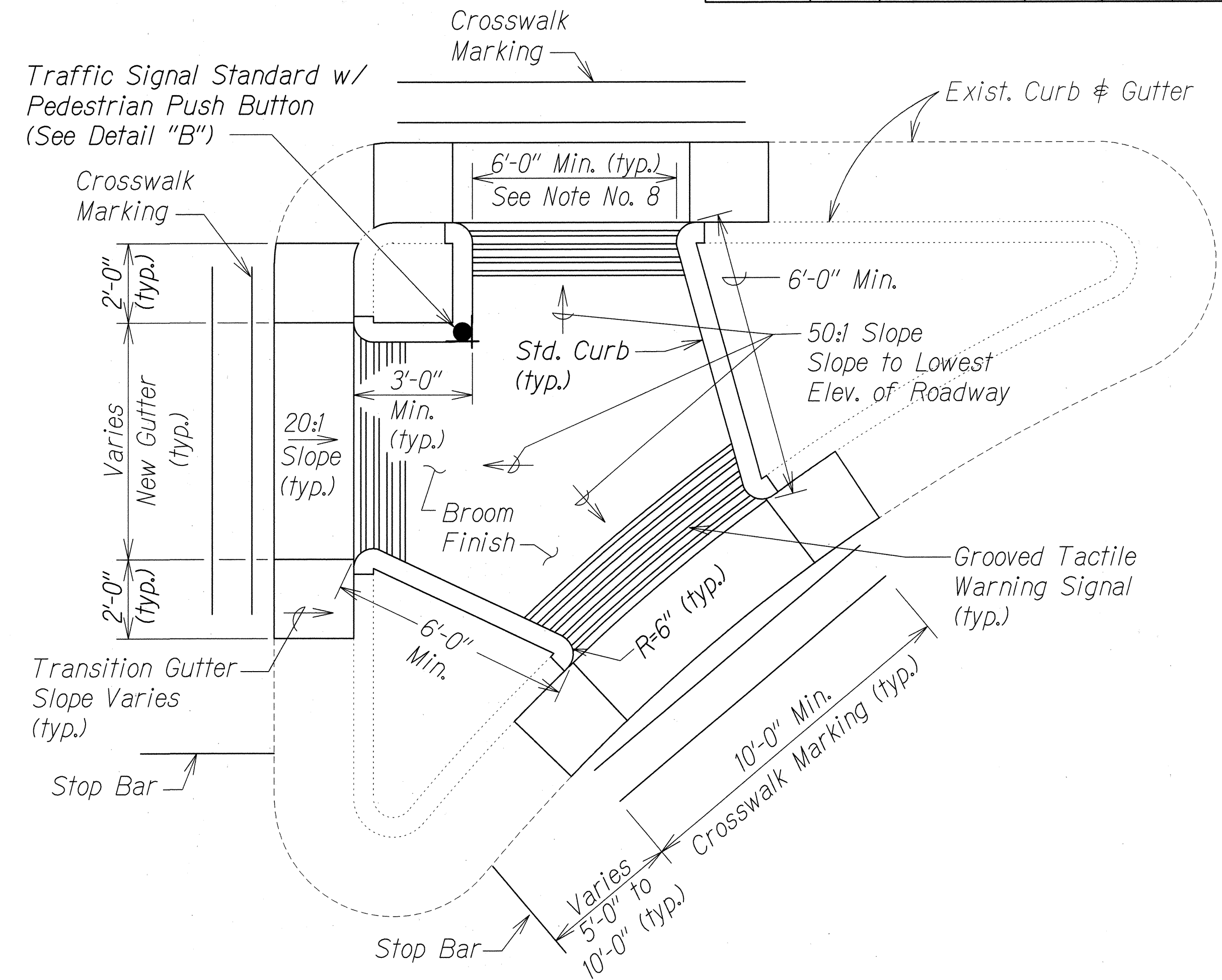


CURB RAMP - TYPE "C"
USE AT MEDIAN CROSSINGS, ISLANDS

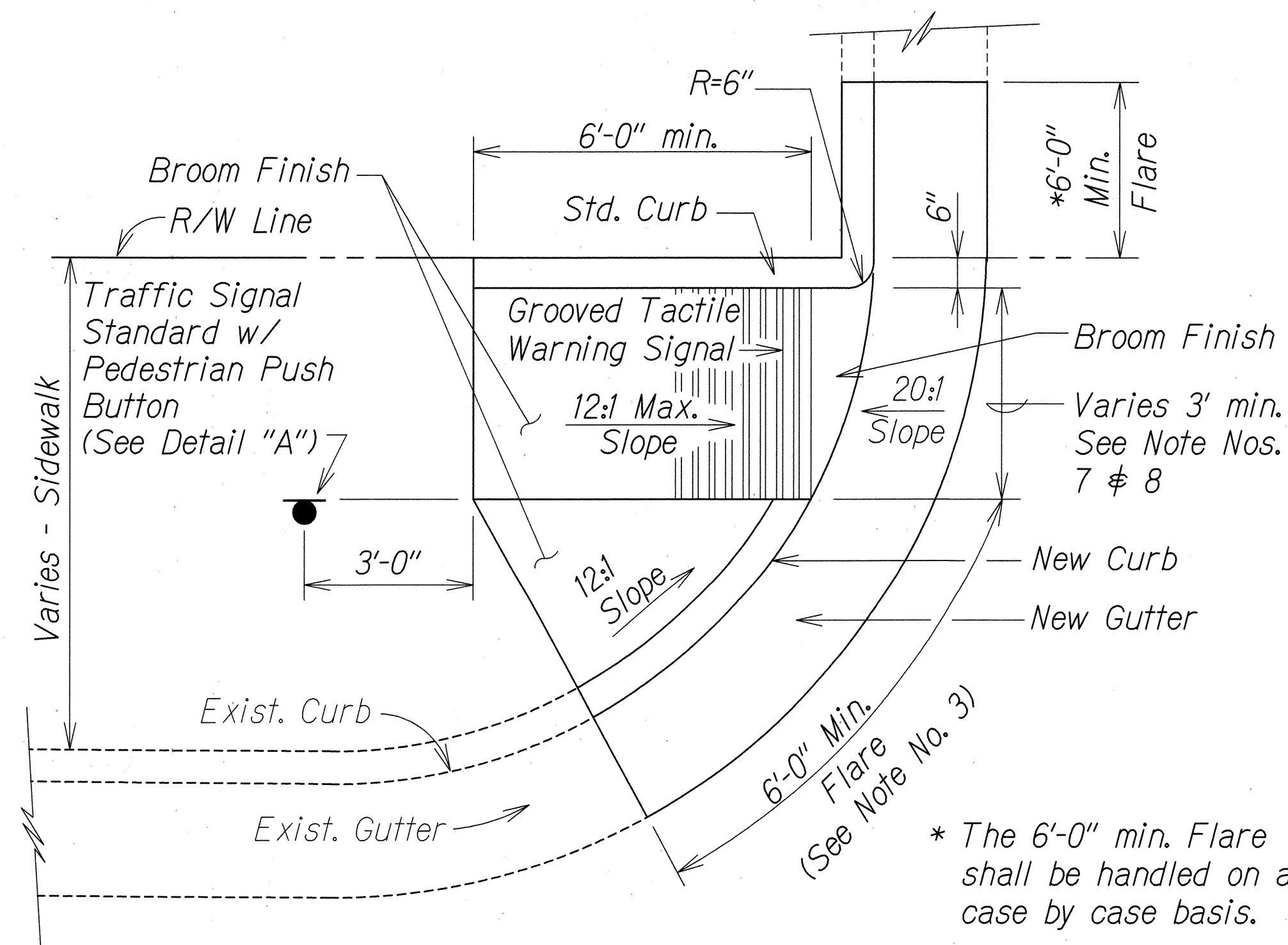


DETAIL "A"

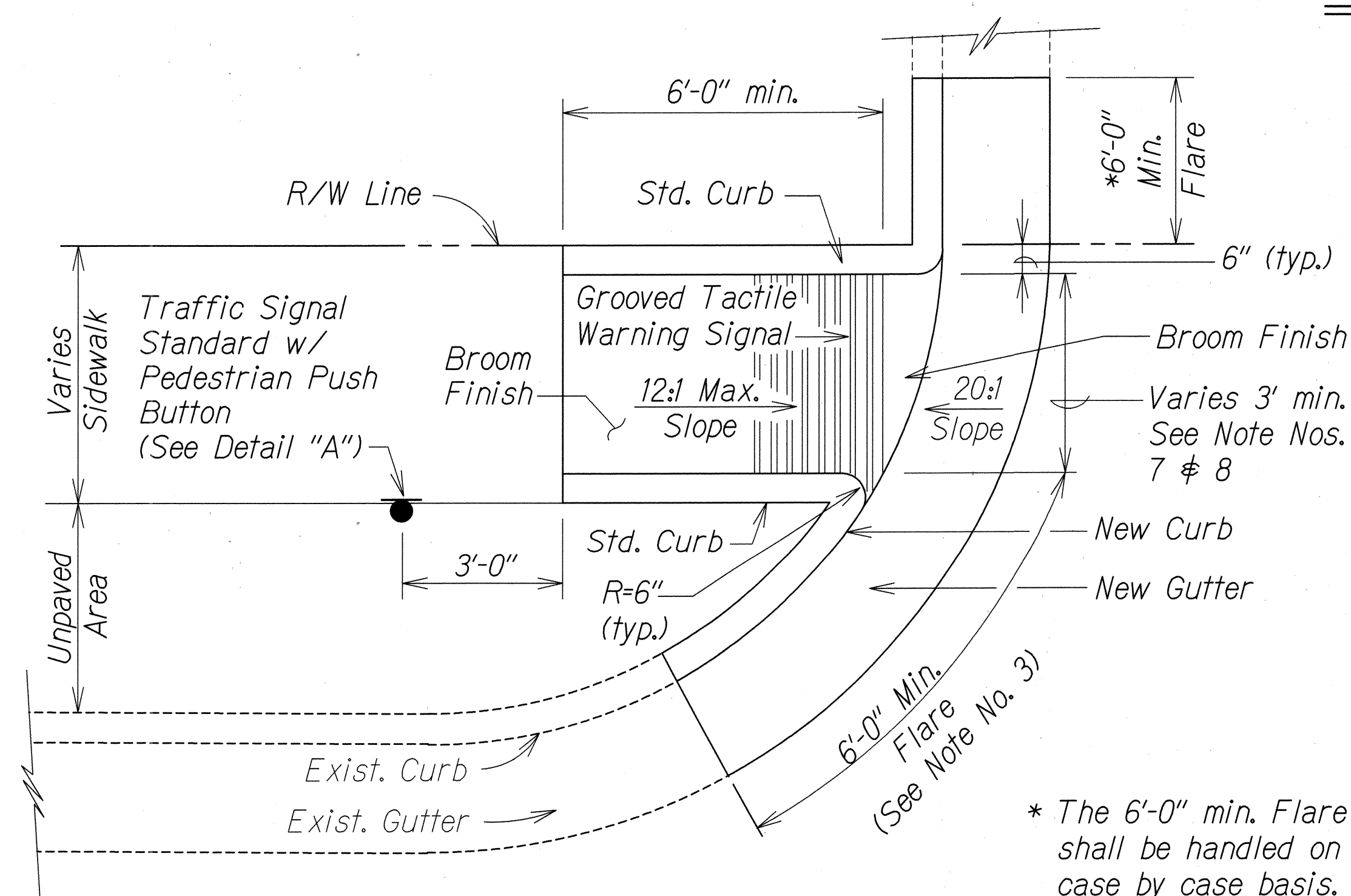
DETAIL "B"



CURB RAMP - TYPE "C" MODIFIED



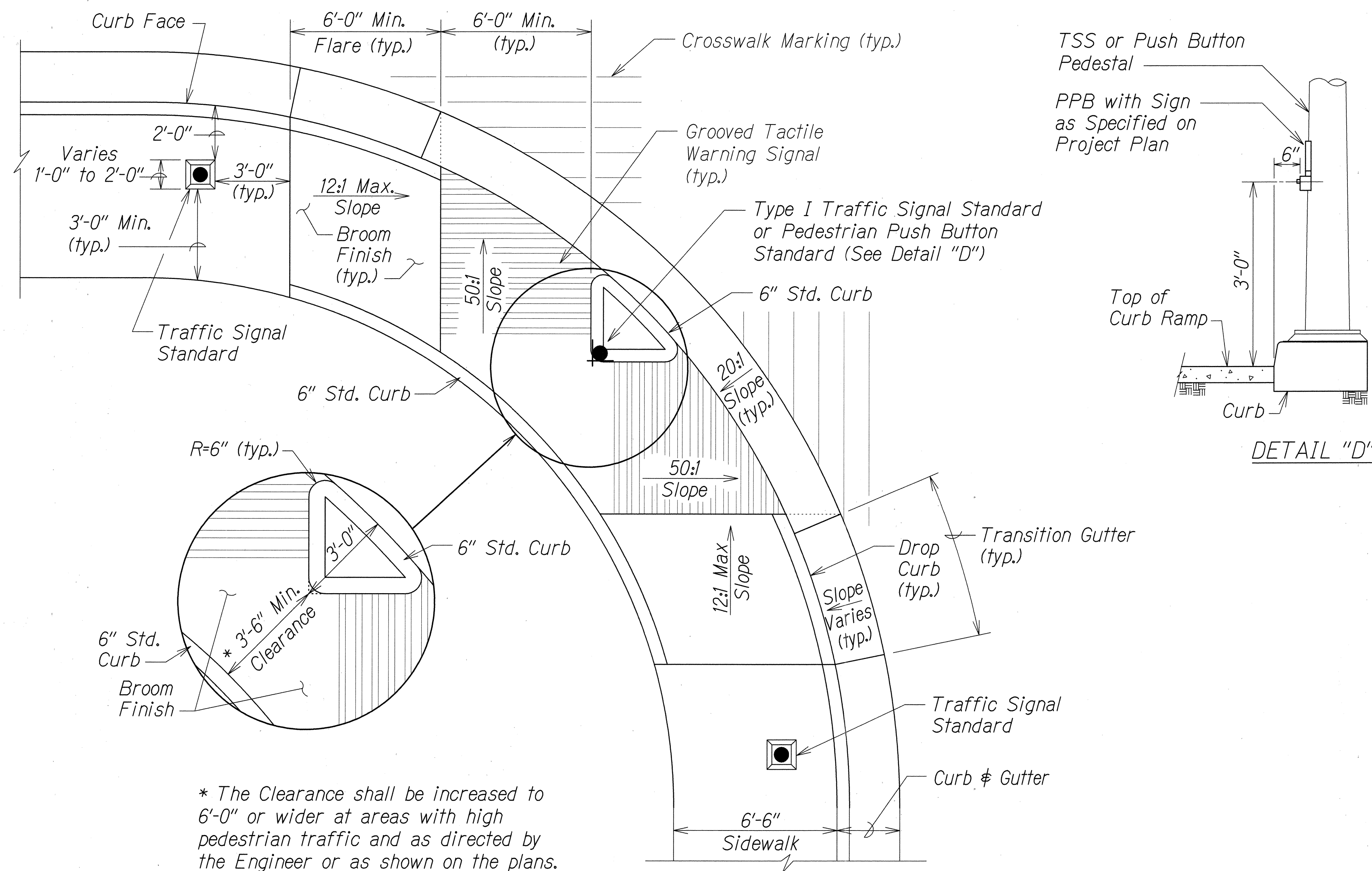
CURB RAMP - TYPE "D"



CURB RAMP - TYPE "D" MODIFIED

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
CURB RAMP DETAIL	
PALI HIGHWAY	
INTERSECTION IMPROVEMENTS AT JACK LANE	
F.A. PROJECT NO. STP-061-1 (34)	
Scale:	Date: Feb 29, 2000
SHEET NO. 3 OF 4 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-061-1 (34)	2000	21	38



CURB RAMP - TYPE "E"
 SIDEWALK WIDTH 6'-6" OR GREATER
 EXCLUDING CURB
 (FOR EXISTING SIDEWALK ONLY)

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTED BY	
DATE	

tdl/usr2/traffic/std/curbrampedgn

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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

CURB RAMP DETAIL

PALI HIGHWAY
 INTERSECTION IMPROVEMENTS AT JACK LANE
 F.A. PROJECT NO. STP-061-1 (34)

Scale: AS NOTED Date: Feb 29, 2000

SHEET No. 4 OF 4 SHEETS