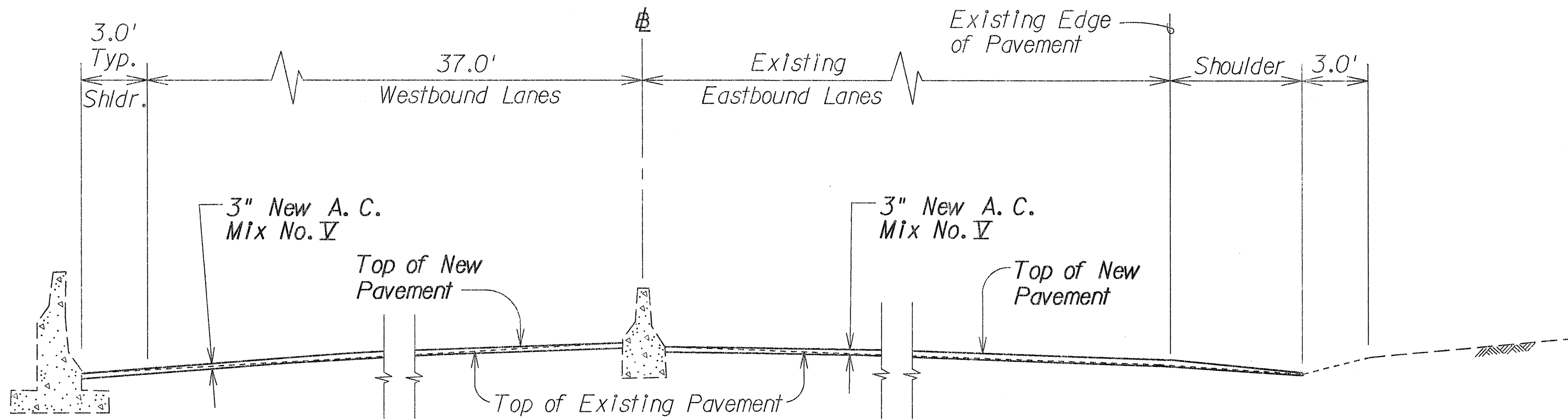
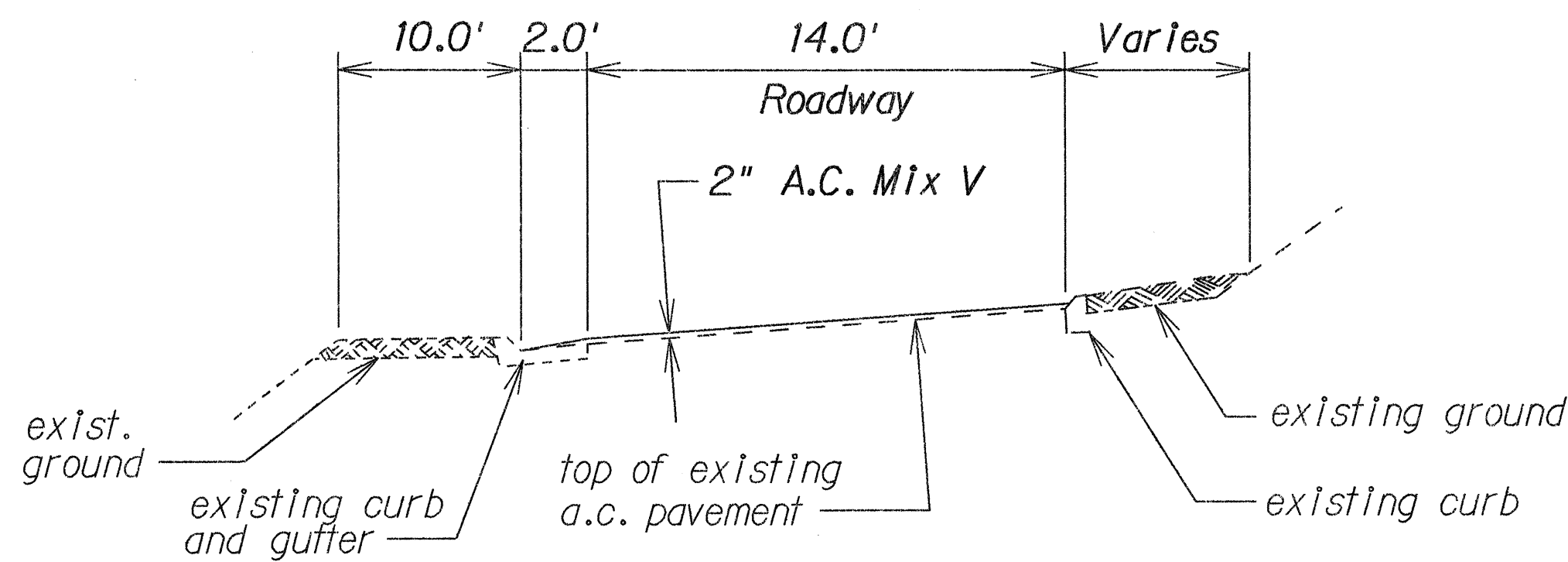


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1(214)	1991	3	14



TYPICAL SECTION - Φ INTERSTATE ROUTE H-1, MOANALUA

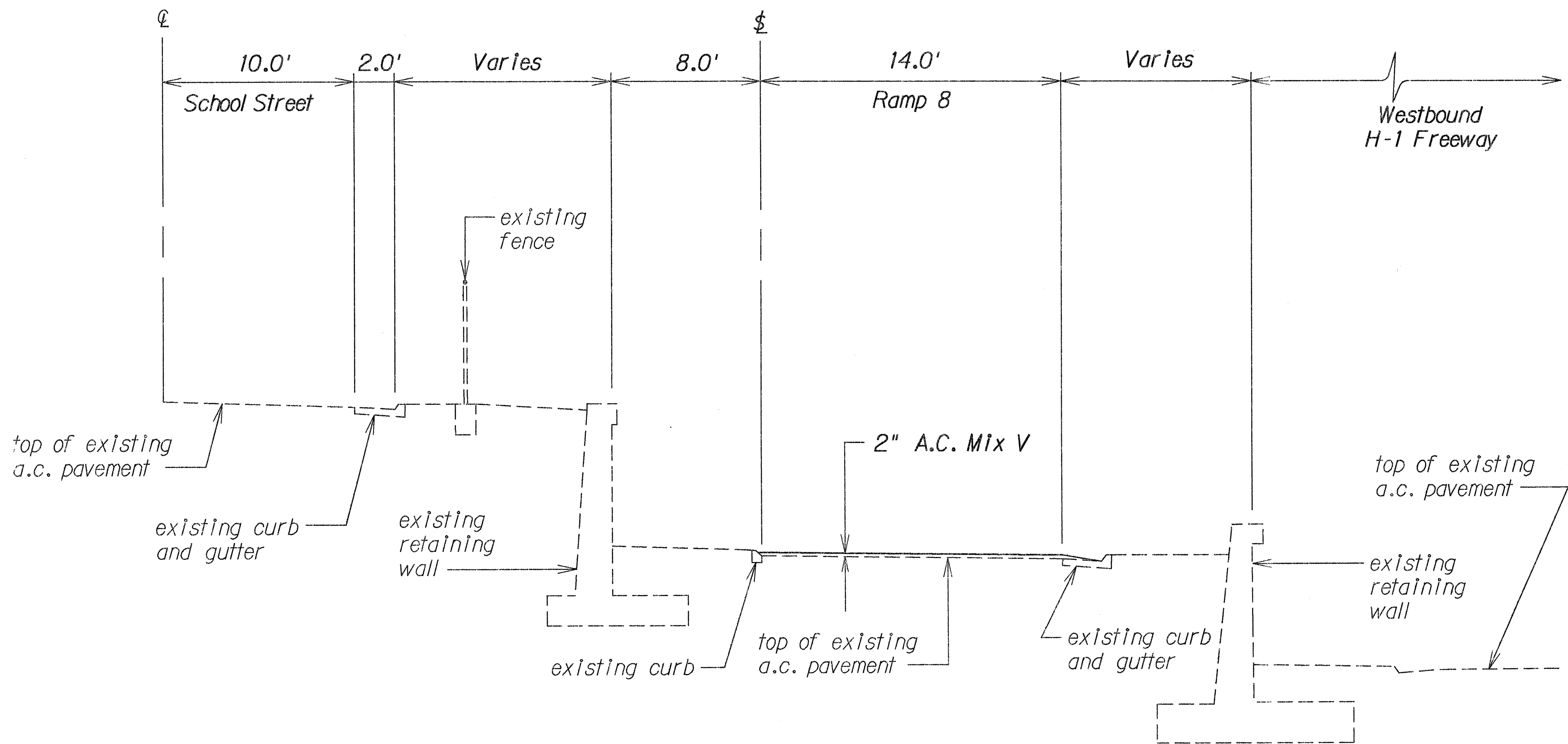
Scale: $\frac{1}{4}'' = 1' - 0''$



TYPICAL SECTION RAMP 7
Not to Scale

GENERAL NOTES:

- Improvements consist of resurfacing, reconstructing weakened pavement areas, scarifying pavement, installing a swale and pavement markings and striping.
- All Typical Sections are shown in the direction of stationings.
- At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
- The Contractor shall remove and dispose all existing raised pavement markers prior to overlaying Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. V.
- When scarifying over structures, the Contractor shall not go below the specified depth of scarification. Any expansion joints, damaged by the Contractor's or his subcontractor's milling machine, shall be repaired and paid for by the Contractor at his own expense.
- Typically, the roadway shall be Cold Planed $\frac{3}{4}''$ in depth to remove the existing Open Graded Plant Mix Seal.



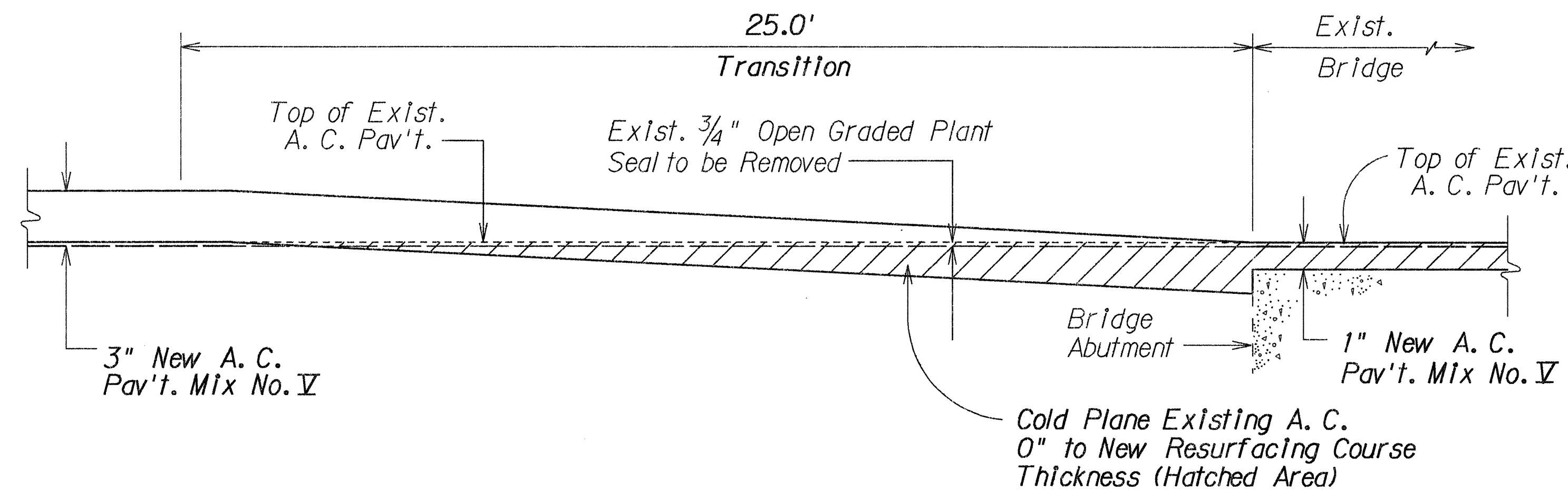
TYPICAL SECTION RAMP 8
Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

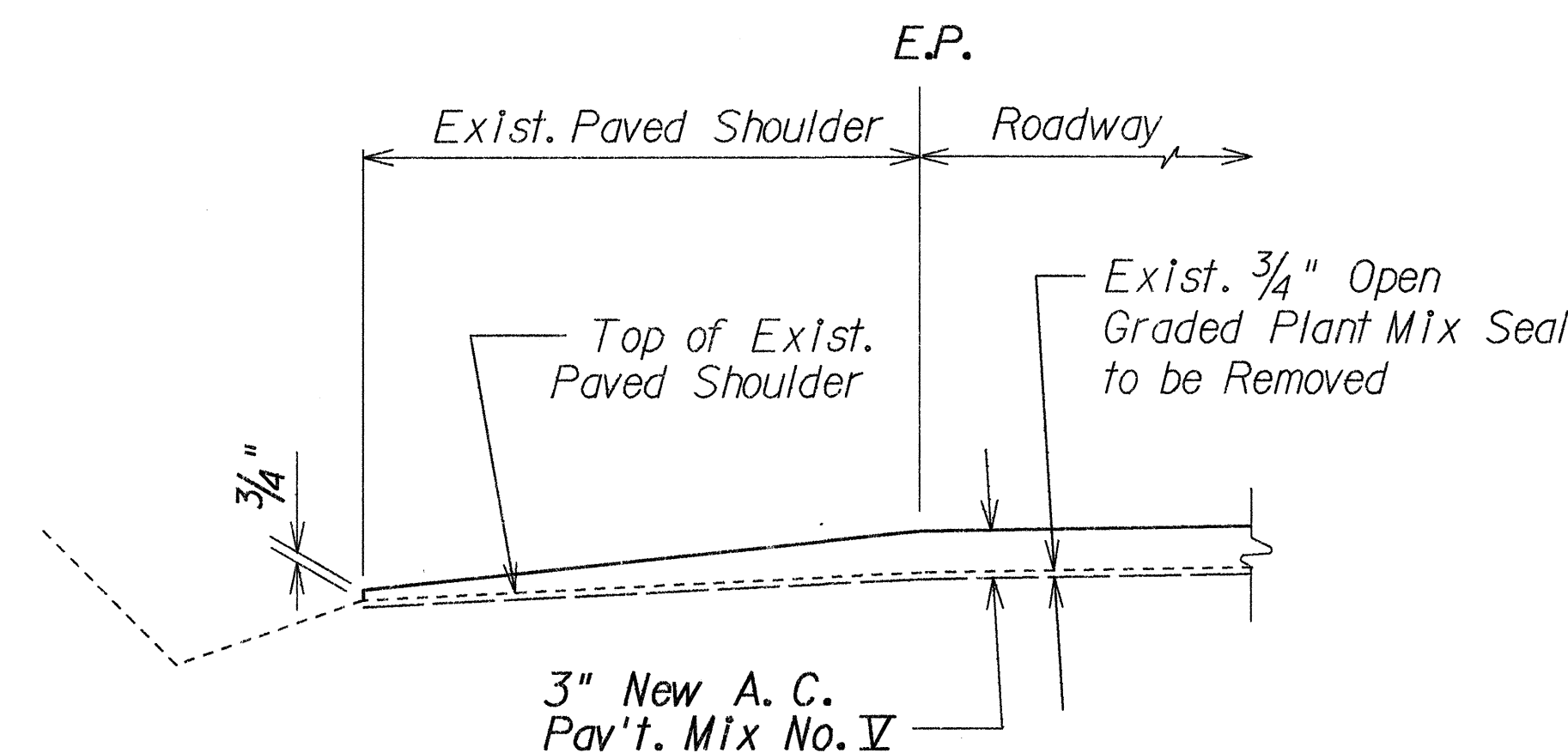
TYPICAL DETAILS
INTERSTATE ROUTE HI RESURFACING
VICINITY OF MIDDLE STREET TO
KALIHI INTERCHANGE
PROJECT NO. IR-H1-1(214)
Scale: Not to Scale Date: Feb., 1990
SHEET No. 1 OF 2 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DRAWN BY		
DESIGNED BY		
CHECKED BY		
NOTE BOOK		
N ^o .		

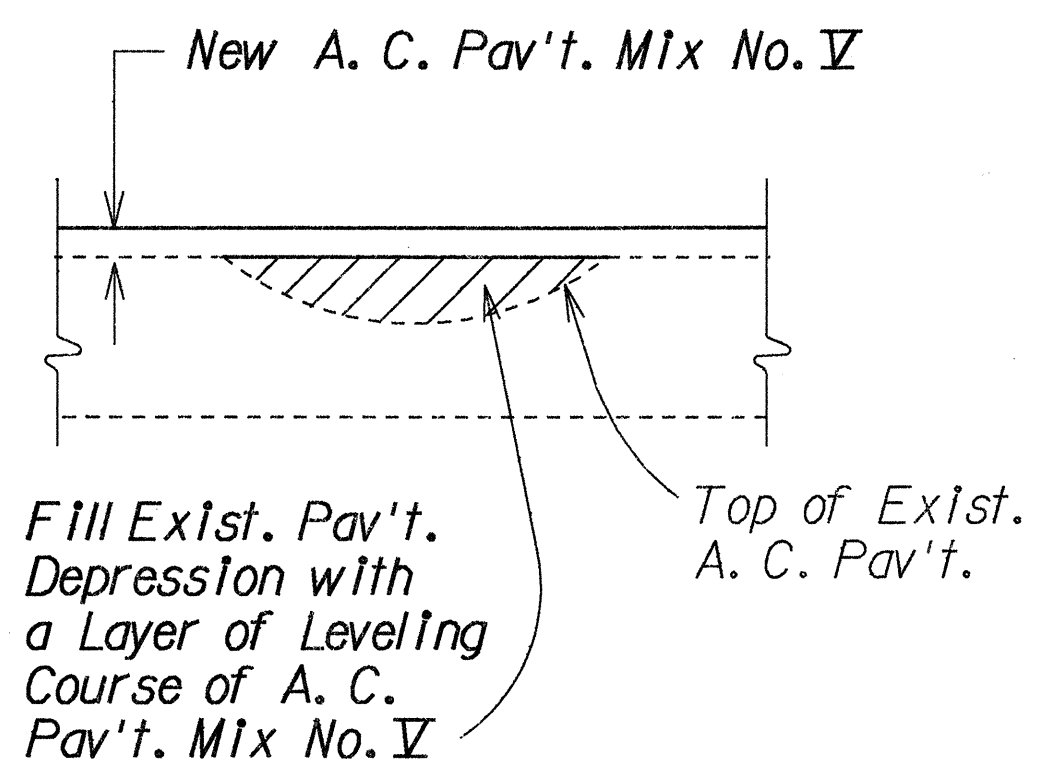
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1(214)	1991	C.O.4	14



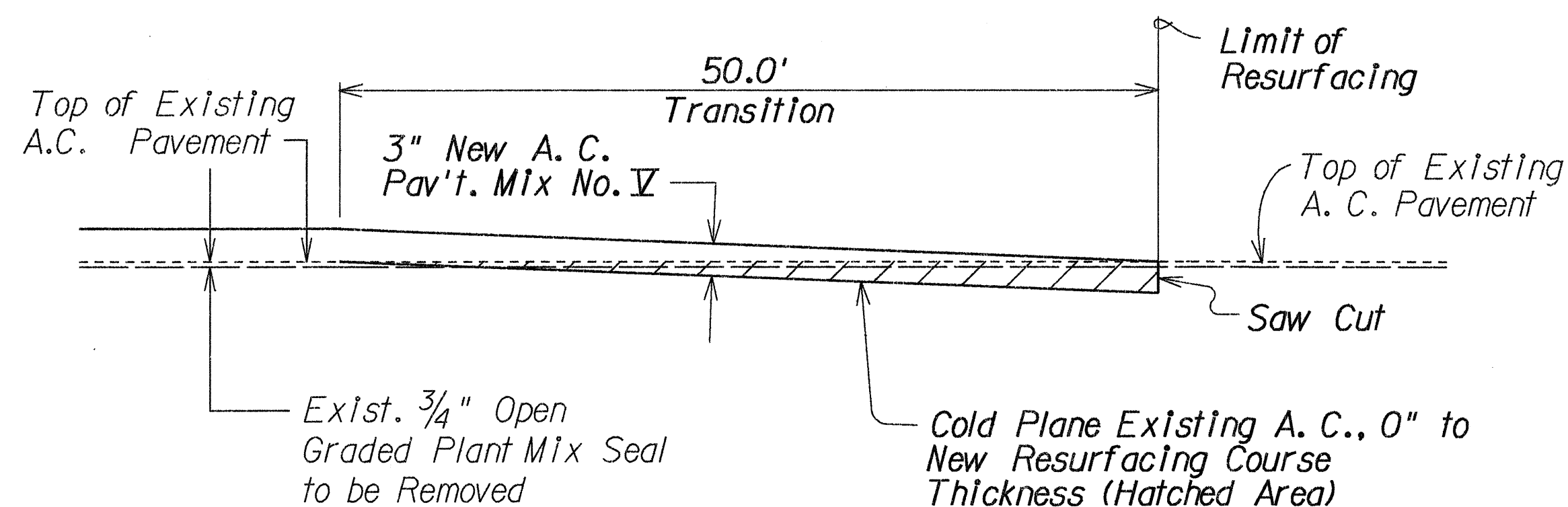
RESURFACING AT BRIDGE
Not to Scale



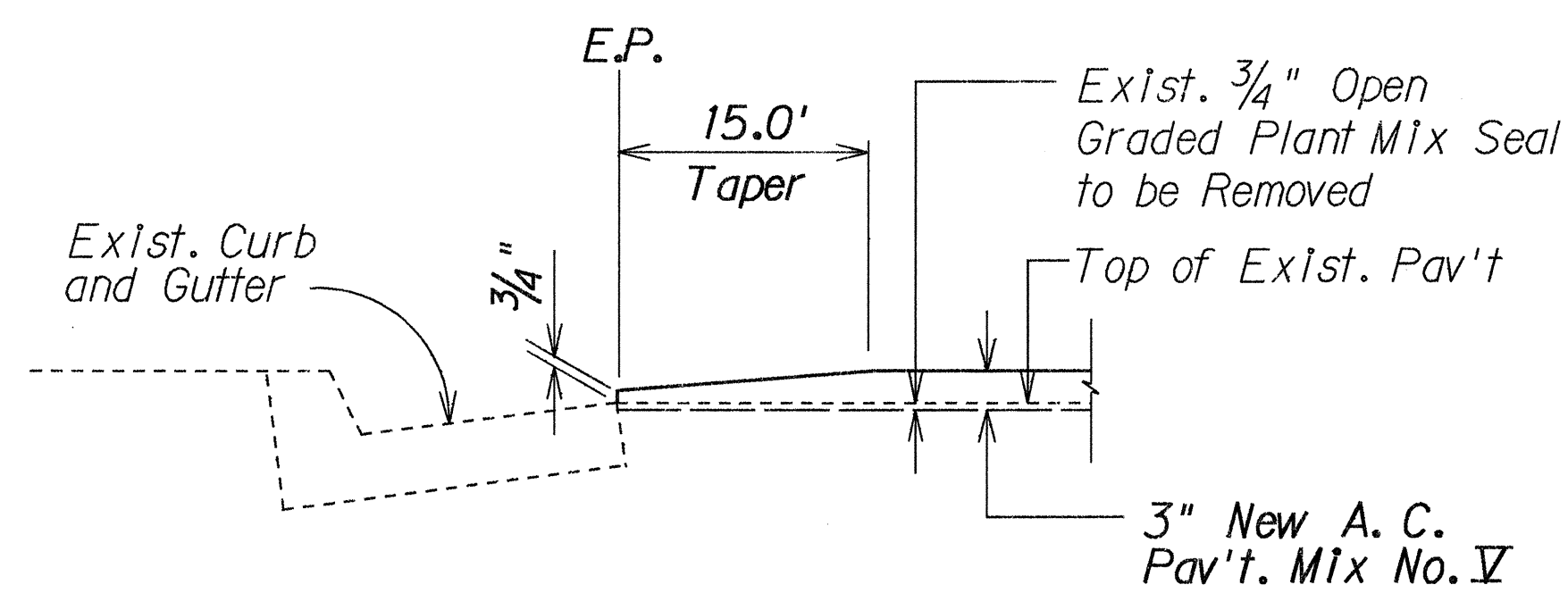
TYPICAL SECTION AT PAVED SHOULDER
Not to Scale



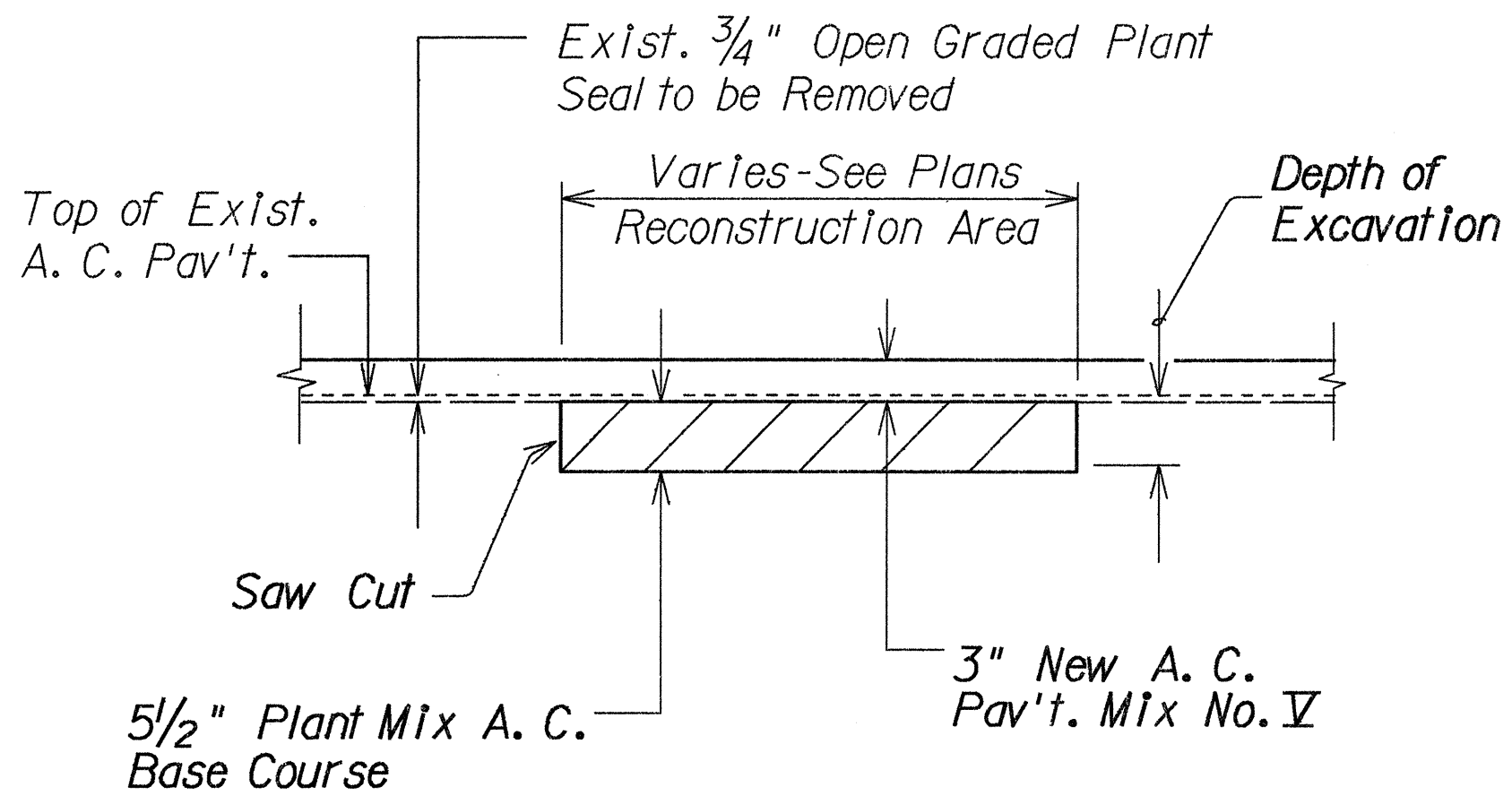
LEVELING COURSE DETAIL
Not to Scale



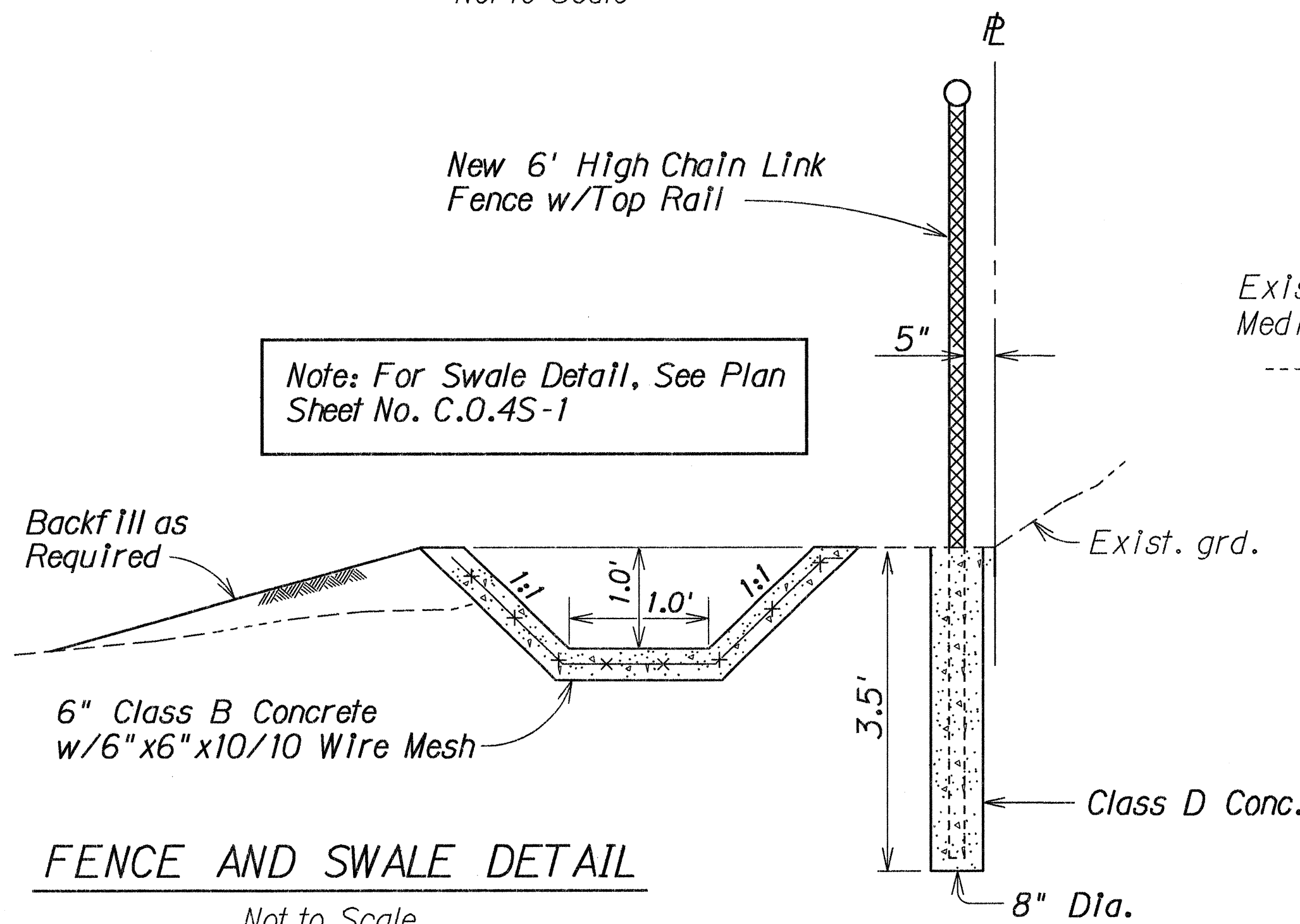
COLD PLANING TRANSITION TO EXISTING PAVEMENT DETAIL
Not to Scale



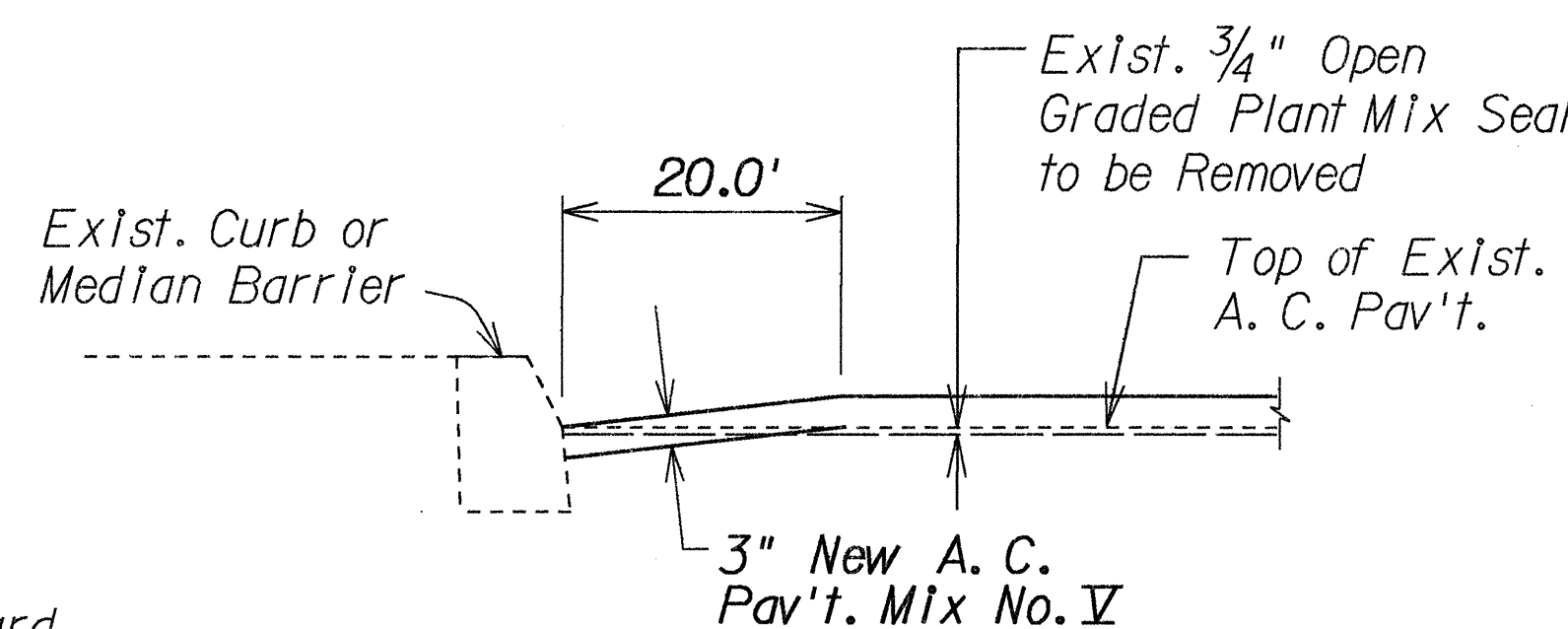
TYPICAL SECTION AT CURB AND GUTTER
Not to Scale



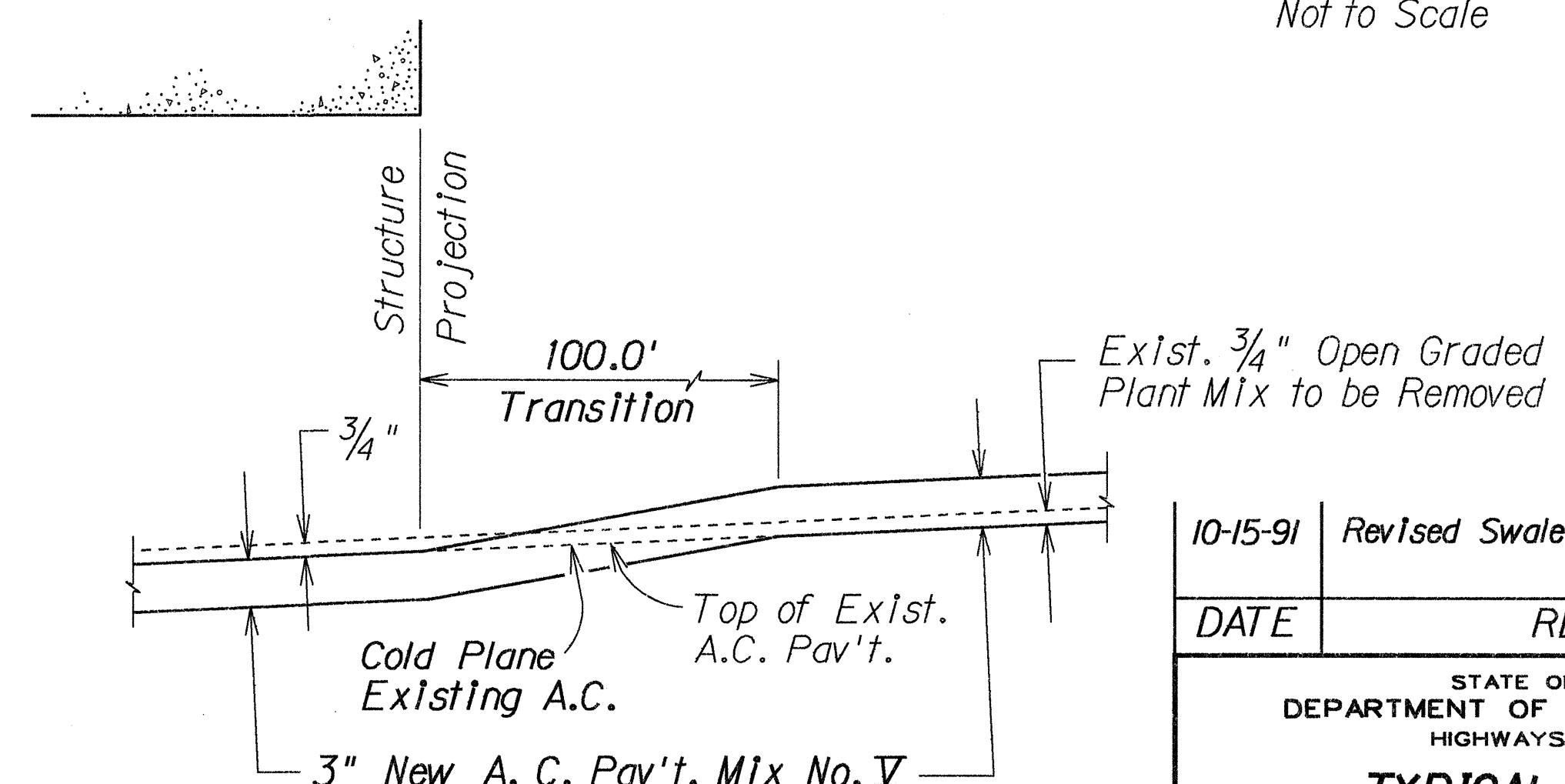
PAVEMENT RECONSTRUCTION DETAIL
Not to Scale



FENCE AND SWALE DETAIL
Not to Scale



TYPICAL SECTION AT CURB OR MEDIAN BARRIER
Not to Scale



COLD PLANING TRANSITION UNDER OVERPASS STRUCTURES
Not to Scale

10-15-91	Revised Swale Detail Per C.C.O.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TYPICAL DETAILS INTERSTATE ROUTE H1 RESURFACING VICINITY OF MIDDLE STREET TO KALIHI INTERCHANGE PROJECT NO. IR-H1-1(214) Scale: Not to Scale Date: Feb., 1990 SHEET No. 2 OF 2 SHEETS	

1.0 Ft. x 1.0 Ft. (SS $\frac{1}{2}$ /I)
Lined Trap, Drainage Ditch

15'-0" Transition

4"

6"

8"

R/W

HI @ Sta. 42+82± o/s 77' Lt.
Existing C.D.I. #5
Inv.=67.30±'

Technical drawing of a cross-section of a trench. The trench has a bottom width of 12" and a depth of 12". The sides are sloped at a 1:1 ratio. The top width is 2'-0". The drawing shows the trench is to be filled with 4" Class B Concrete or Shortcrete with 6x6-W14 x W14 Welded Wire Fabric. The existing ground level is indicated by a dashed line. The drawing is labeled "R/W" for Right of Way.

Technical drawing of a V-gutter cross-section. The gutter has a 12" top width and 12" to 16" side slopes. The bottom width is 2'-0". The gutter is 4" deep. The material is labeled "Varies" and "1:1". The drawing includes a centerline and a right-of-way line (R/W).

[illegible]

DETAILS OF 1' X 1' LINED TRAPEZOIDAL DRAINAGE DITCH

10/22/91	Install 1' x 1' Lined Trapezoidal Drainage Ditch
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

INTERSTATE ROUTE HI RESURFACING
VICINITY OF MIDDLE STREET TO
KALIHI INTERCHANGE
PROJECT NO. IR-HI-11(214)

Scale: As Shown Date: Oct., 1991

SHEET No. 11 OF 1 SHEETS

C.O. 4 S-1