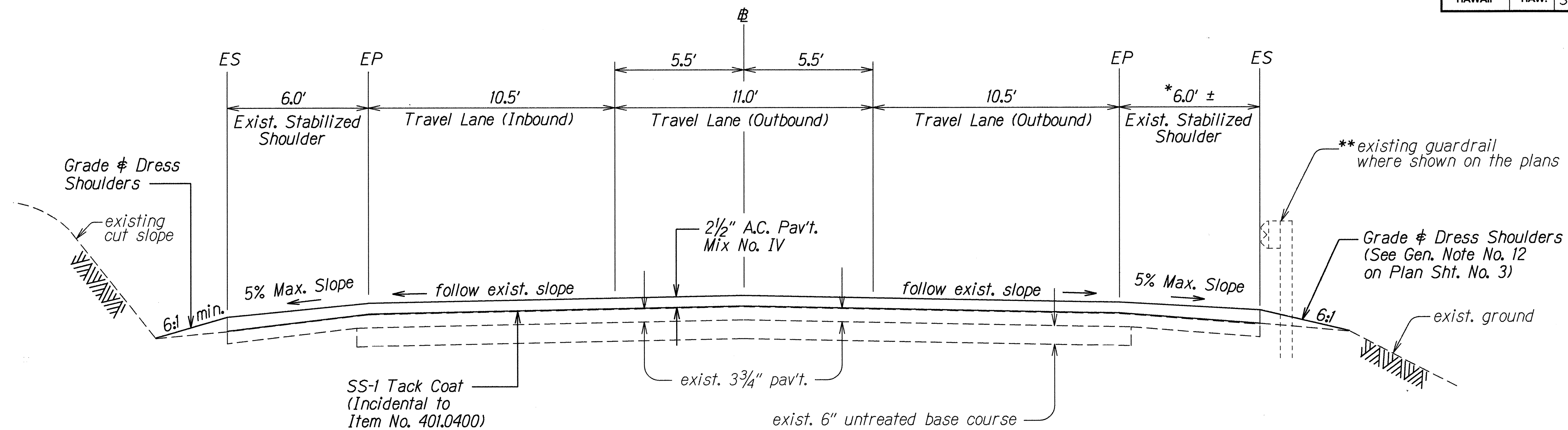


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(41)	1998	4	33

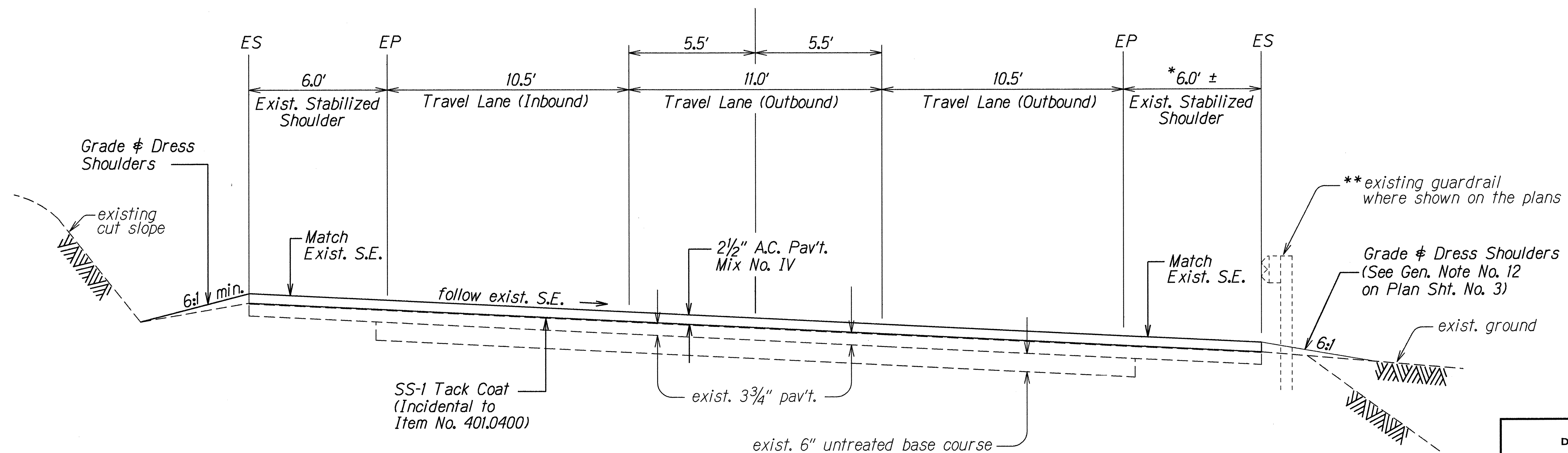


TANGENT SECTION

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

*Varies @ guardrail locations. Pave to face of guardrail.

**Existing metal guardrails are being replaced and/or upgraded under separate project. (Proj. No. STP-0700(40) - Guardrail Improvements at Various Locations). Metal guardrails will be installed according to current standards.



SUPERELEVATED SECTION

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

SURVEY PLOTTED BY	DATE
DRAWN BY	3/15/98
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

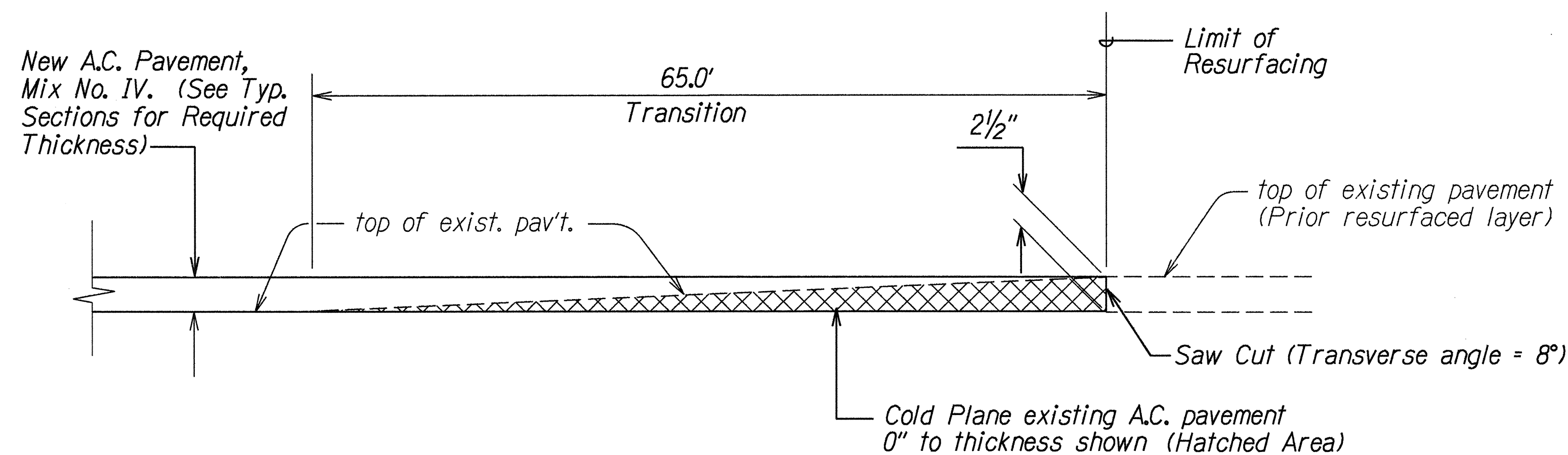
TYPICAL SECTIONS

KUHIO HIGHWAY REHABILITATION
Hanamaulu To North Leho Drive
Federal Aid Proj. No. STP-056-1(41)

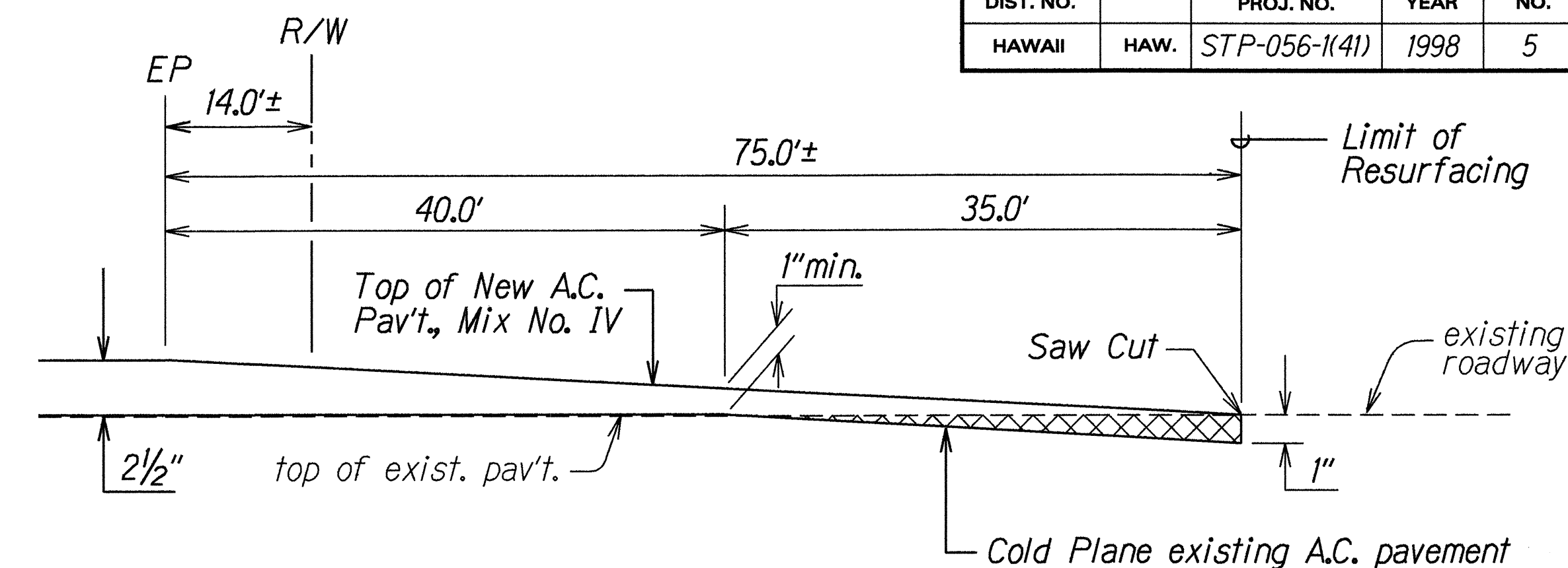
Date: March, 1998

SHEET No. 1 OF 7 SHEETS

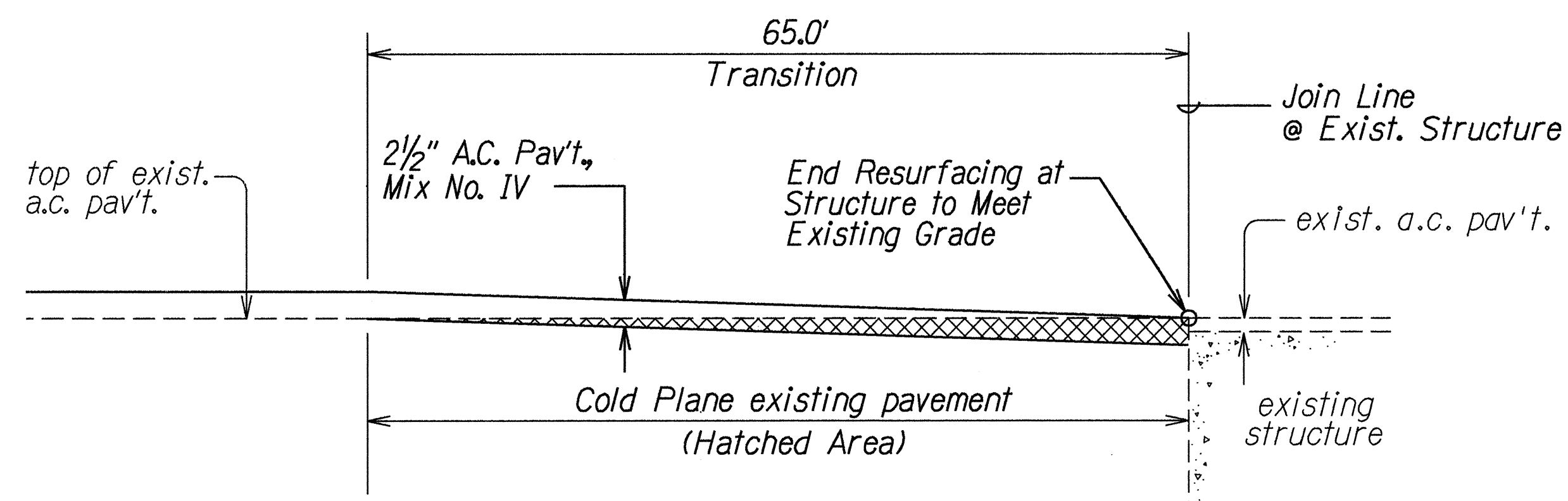
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(41)	1998	5	33



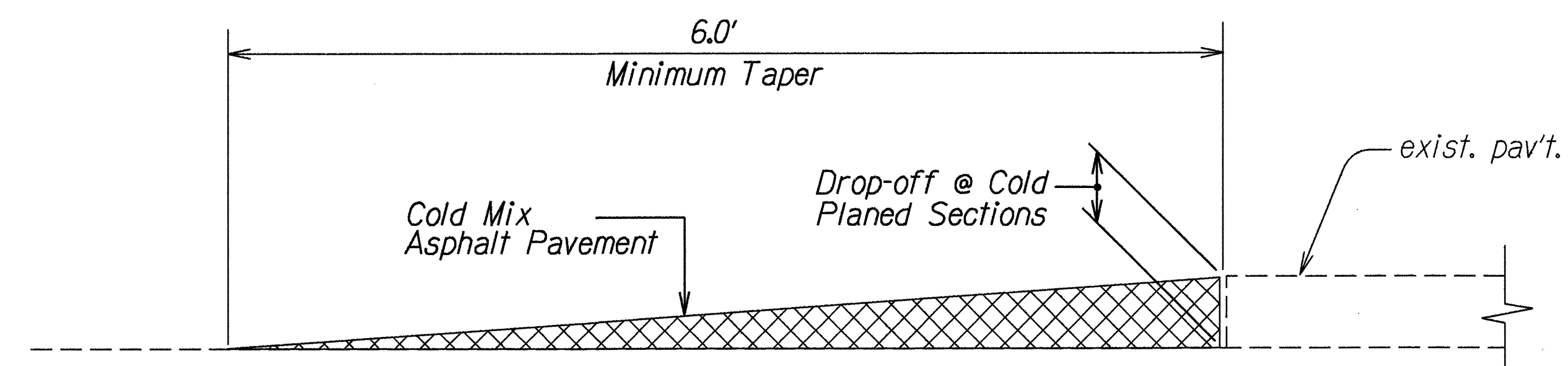
COLD PLANED TRANSITION TO EXISTING A.C. PAVEMENT
AT BEGINNING & END OF PROJECT
Not To Scale



COLD PLANED TRANSITION
AT SOUTH LEHO DRIVE
Not To Scale

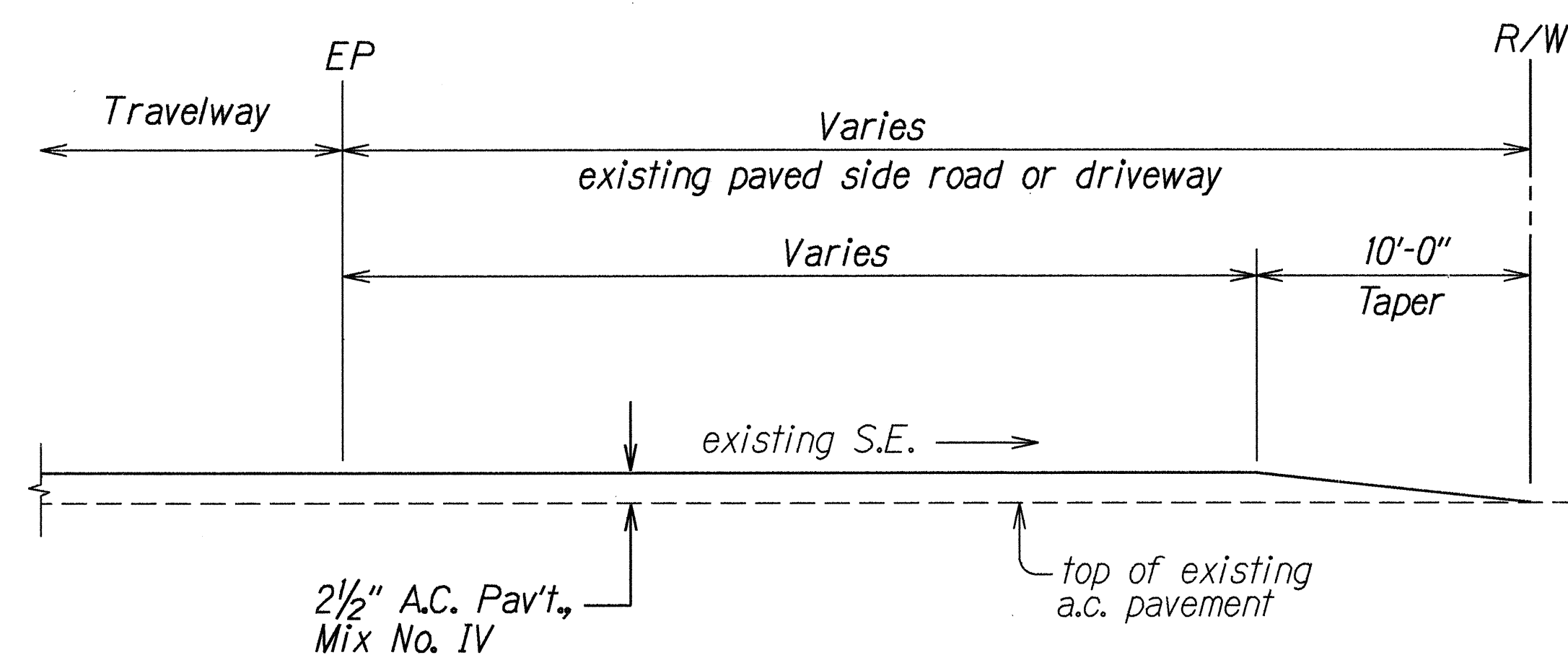


COLD PLANED TRANSITION AT STRUCTURE
Not to Scale

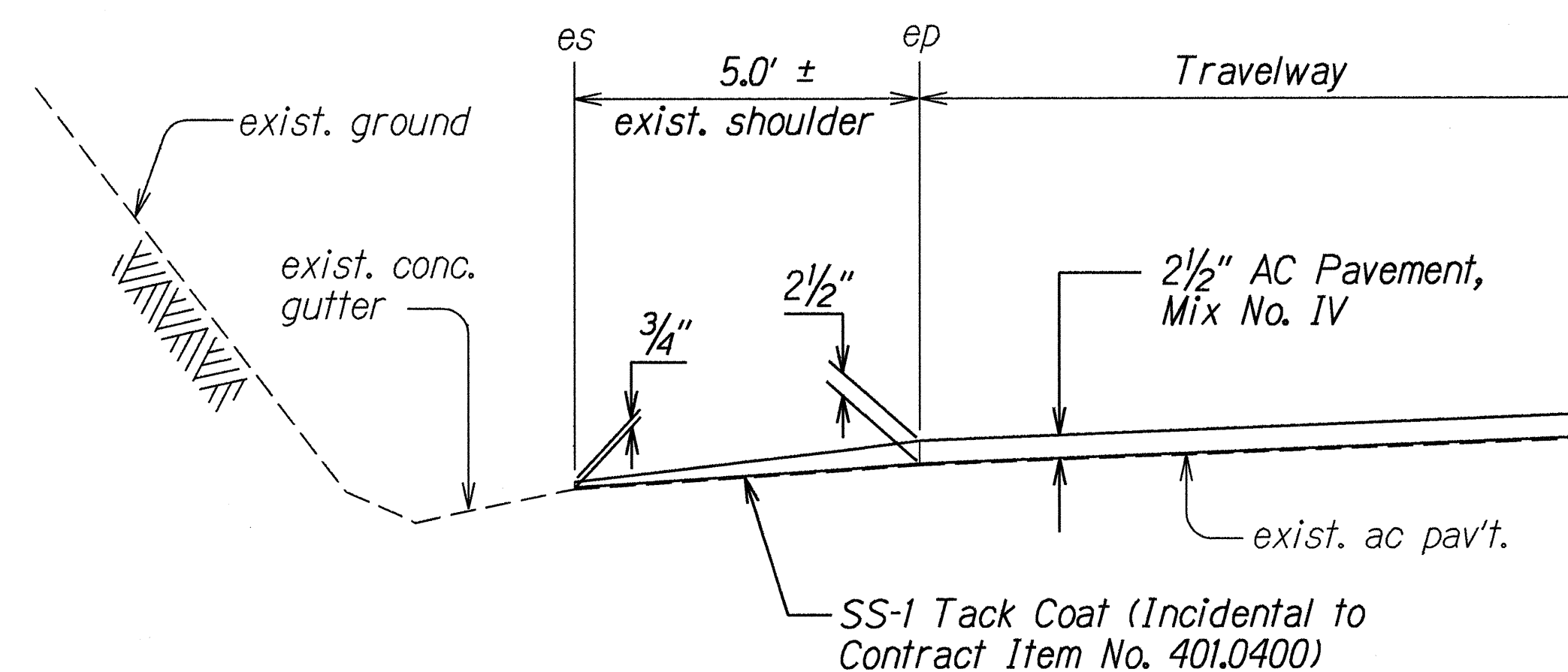


TEMPORARY TRANSITION AT
COLD PLANED AREAS
Not to Scale

Note: The Contractor shall construct temporary pavement taper to prevent sharp pavement drop-offs at all cold planed sections. Prior to final A.C. Mix No. IV placement, temporary pavement taper shall be removed. These works shall be considered incidental to Asphalt Concrete.



A. C. RESURFACING AT PAVED SIDEROAD
OR PAVED DRIVEWAY DETAIL
Not To Scale



TYPICAL SECTION AT EXISTING
CONCRETE GUTTER
Not to Scale

ORIGINAL PLAN	DATE	3/05/98
SURVEY PLOTTED BY	DATE	3/05/98
DRAWN BY	DATE	3/05/98
NOTED BY	DATE	3/05/98
CHECKED BY	DATE	3/05/98

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

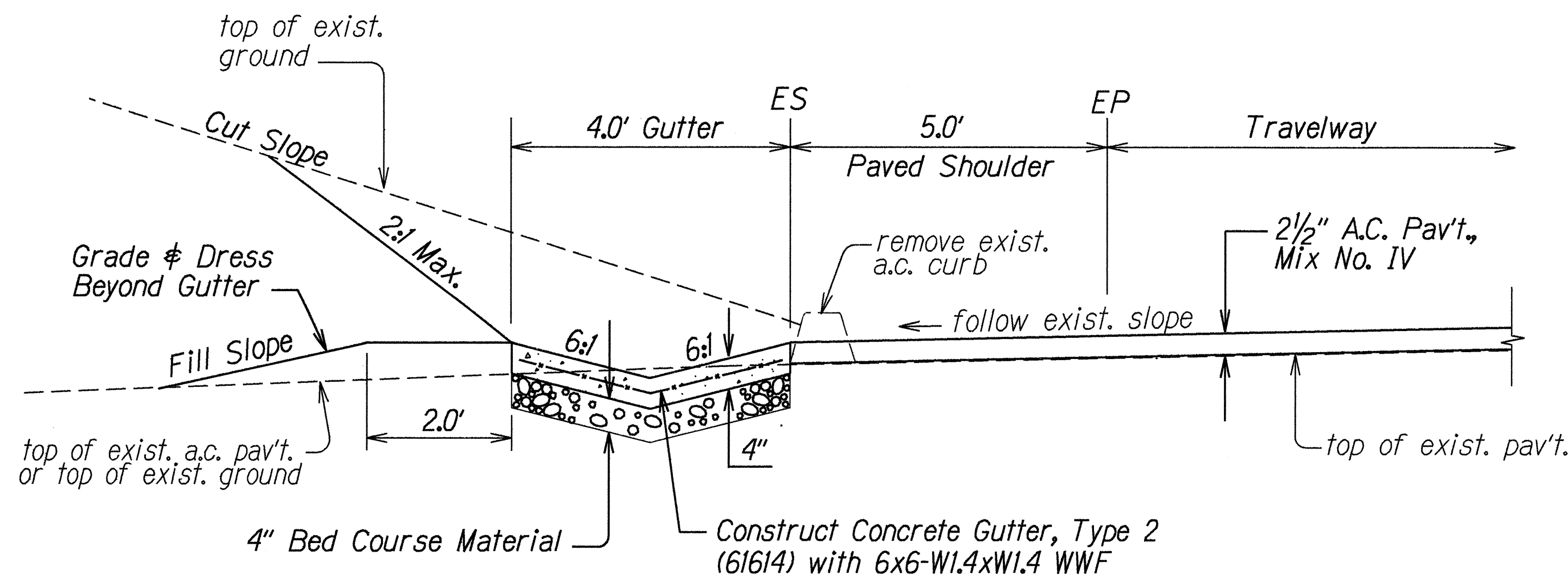
TYPICAL SECTIONS
KUHIO HIGHWAY REHABILITATION
Hanamaulu To North Leho Drive
Federal Aid Proj. No. STP-056-1(41)

Scale: As Shown
Date: March, 1998

SHEET No. 2 OF 7 SHEETS

Note: When shown on the plans, driveways and/or public roadways shall be cold planed prior to resurfacing.

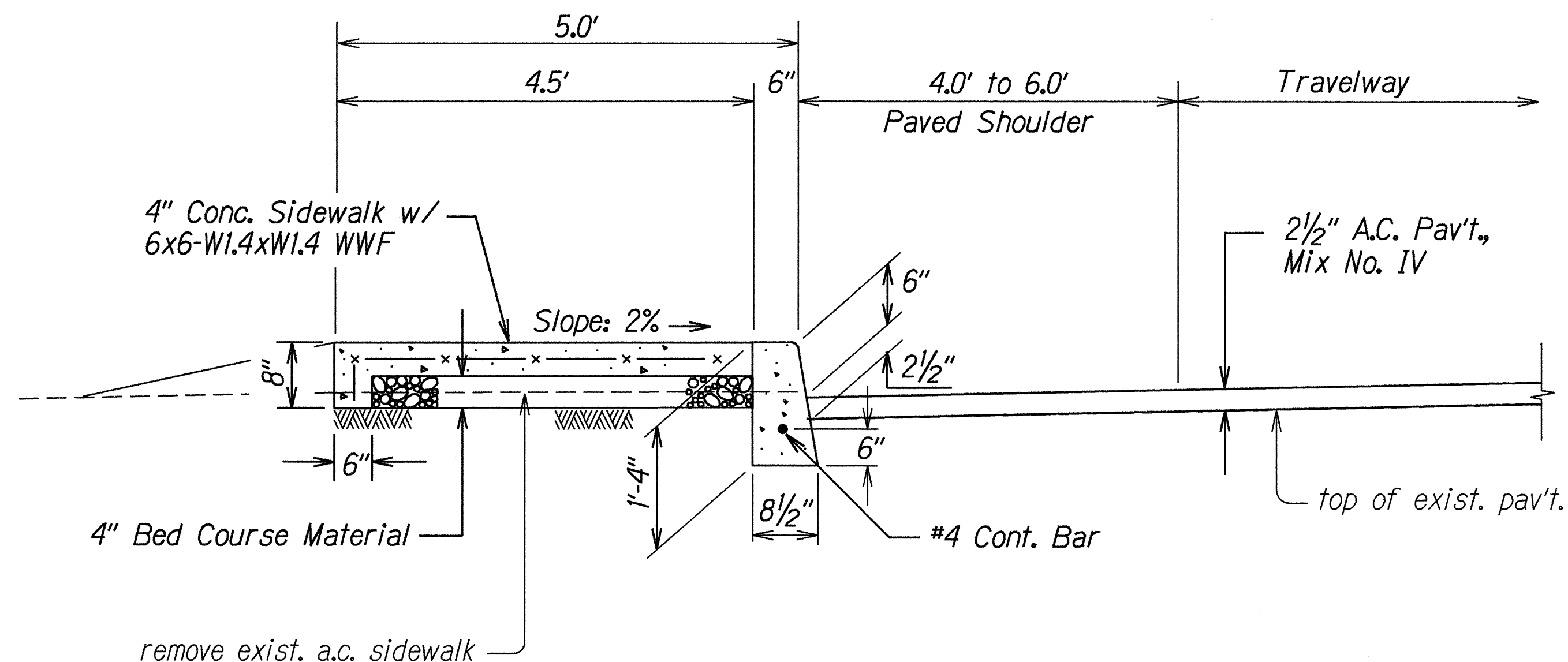
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(41)	1998	6	33



RESURFACING AT A.C. CURB LOCATIONS
Not to Scale

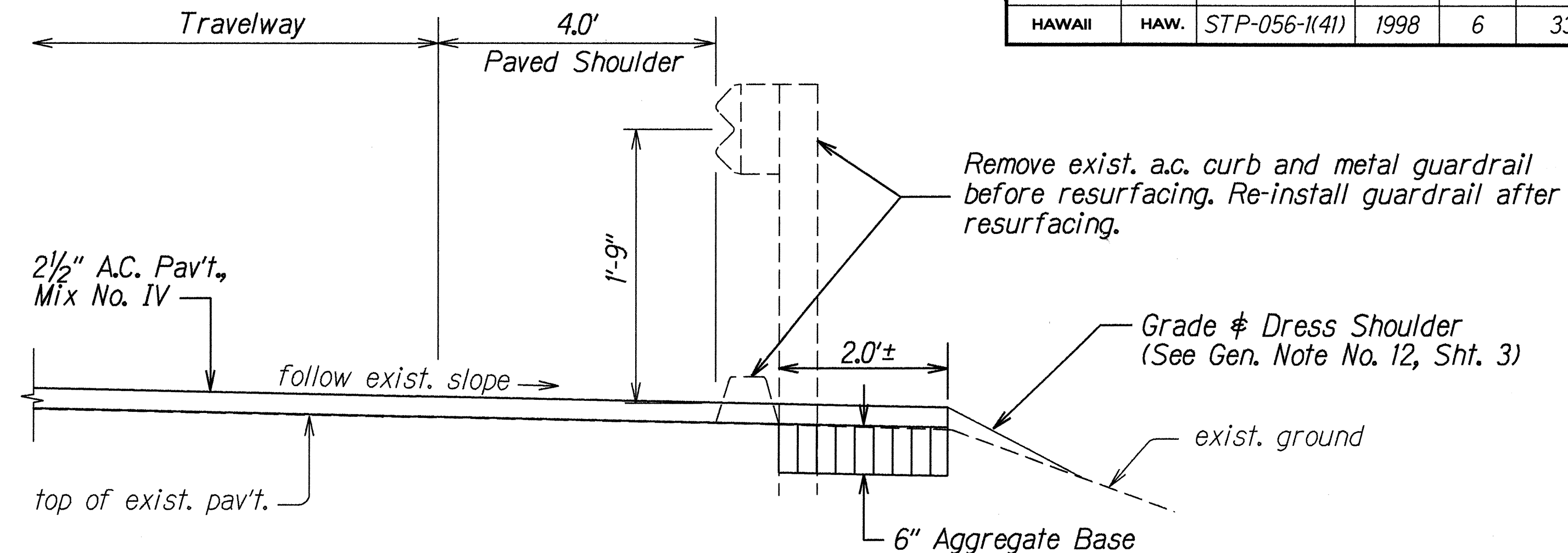
Notes:

- The Contractor shall remove and dispose of existing a.c. curb and all existing a.c. pavement behind the curb prior to resurfacing and constructing concrete Gutter, Type 2 (61614).
- Removal and disposal of a.c. curb and pavement, cut slope excavation and grading and dressing beyond concrete gutter shall not be paid for separately but shall be considered incidental to Contract Item No. 609.2214 - Gutter, Type 2 (61614).
- Bed course material for concrete gutter shall be considered incidental to Contract Item No. 609.2214 - Gutter, Type 2 (61614)



RESURFACING AT CONCRETE CURB
AND SIDEWALK LOCATIONS
Not to Scale

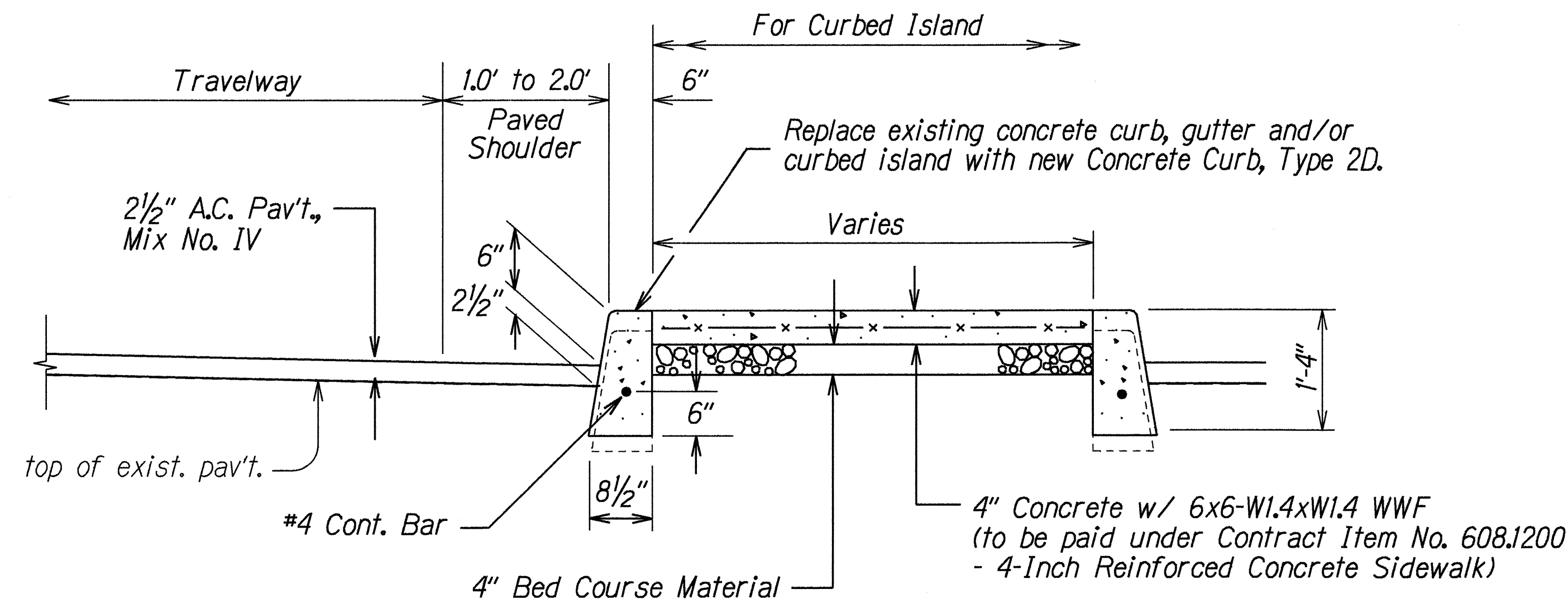
Note: Removal and disposal of existing a.c. sidewalk shall not be paid for separately but shall be considered incidental to Contract Item No. 608.1200 - 4-Inch Reinforced Concrete Sidewalk.



RESURFACING AT GUARDRAIL AND A.C. CURB LOCATIONS
Not to Scale

Notes:

- The Contractor shall remove both existing a.c. curb and metal guardrail prior to resurfacing at guardrail and curb locations. After resurfacing, the Contractor shall re-install the removed metal guardrails in their original locations or install new metal guardrails as shown on the plans.
- Removal and disposal of existing a.c. curb shall be considered incidental to Contract Item No. 609.2214 - Gutter, Type 2 (61614).
- Removal and disposal of metal guardrails and terminal ends shall be considered incidental to various contract items.
- Removal and reinstallation of existing guardrails shall be paid under Contract Item No. 606.3111 - Reinstallation of Guardrail and Steel Posts.
- Installation of new metal guardrails and terminal ends shall be paid under various contract items .



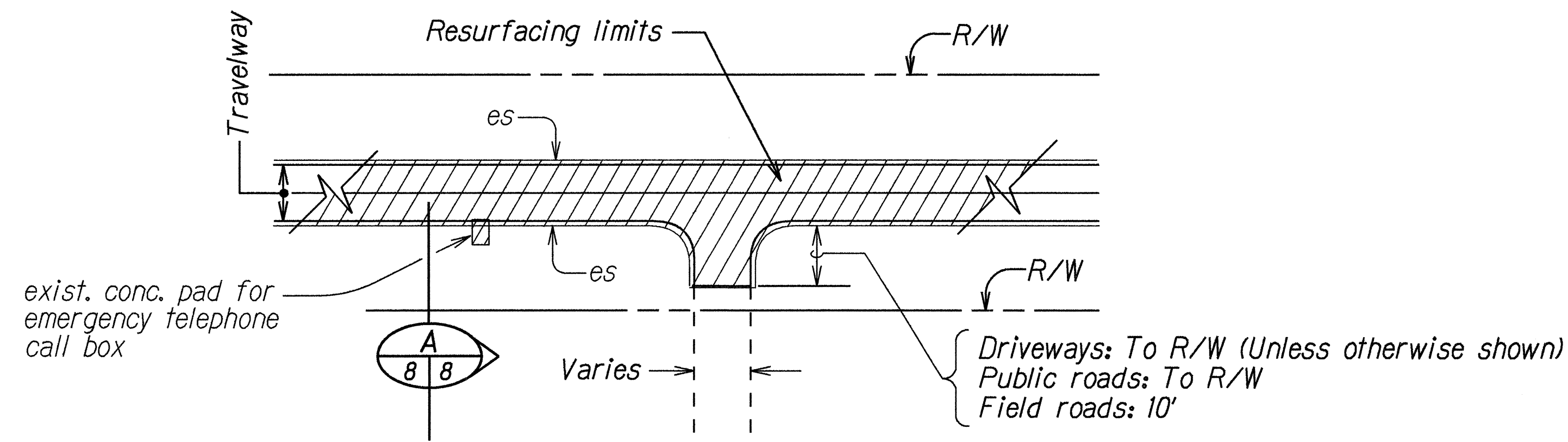
RESURFACING AT CONCRETE CURB
AND CURBED ISLAND LOCATIONS
Not to Scale

Note: Removal and disposal of existing concrete curb, gutter and/or island shall not be paid for separately but shall be considered incidental to Contract Item No. 609.2020 - Curb, Type 2D.

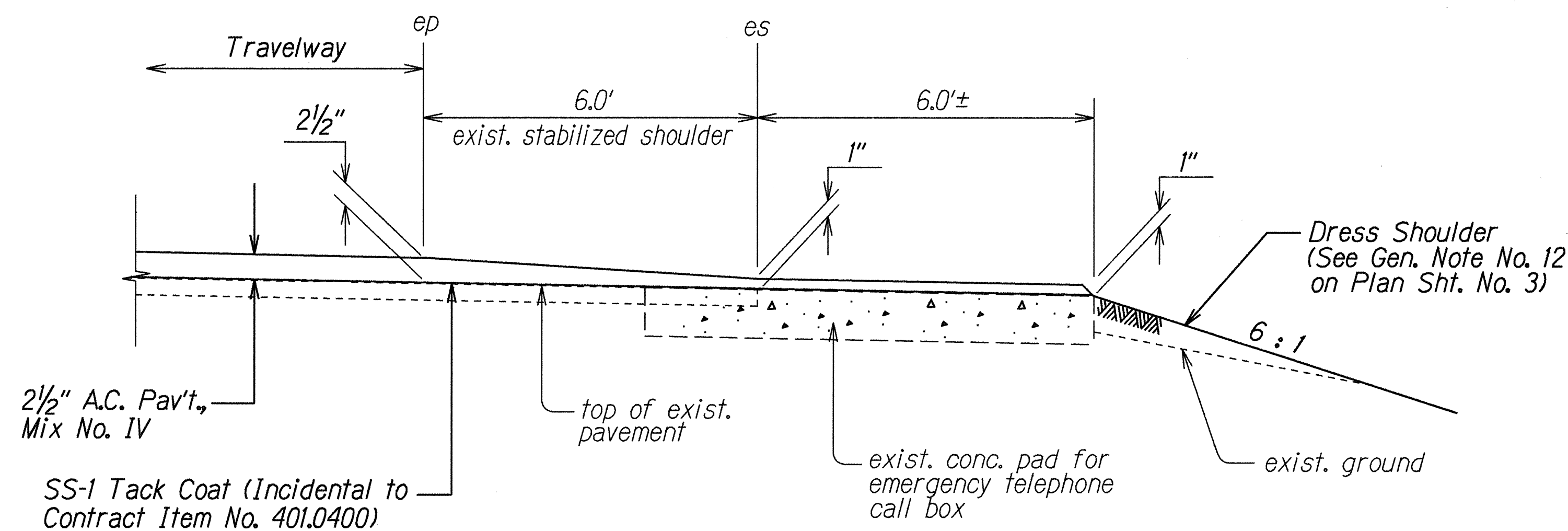
ORIGINAL PLAN	DATE	3/16/98
SURVEY PLOTTED BY		
DRAWN BY		
NOTED BY		
CHECKED BY		

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
TYPICAL SECTIONS
KUHIO HIGHWAY REHABILITATION
Hanamaulu To North Leho Drive
Federal Aid Proj. No. STP-056-1(41)
Scale: As Shown Date: March, 1998
SHEET No. 3 OF 7 SHEETS

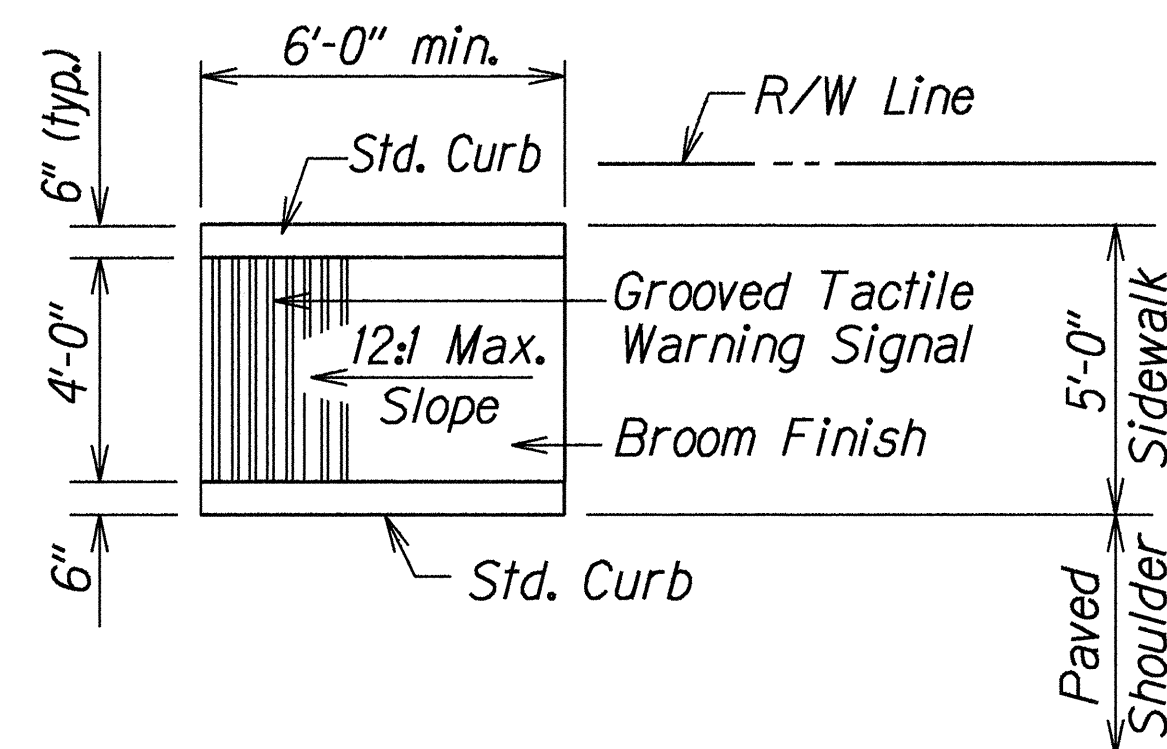
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(41)	1998	8	33



PLAN
TYPICAL RESURFACING LIMITS
Not To Scale



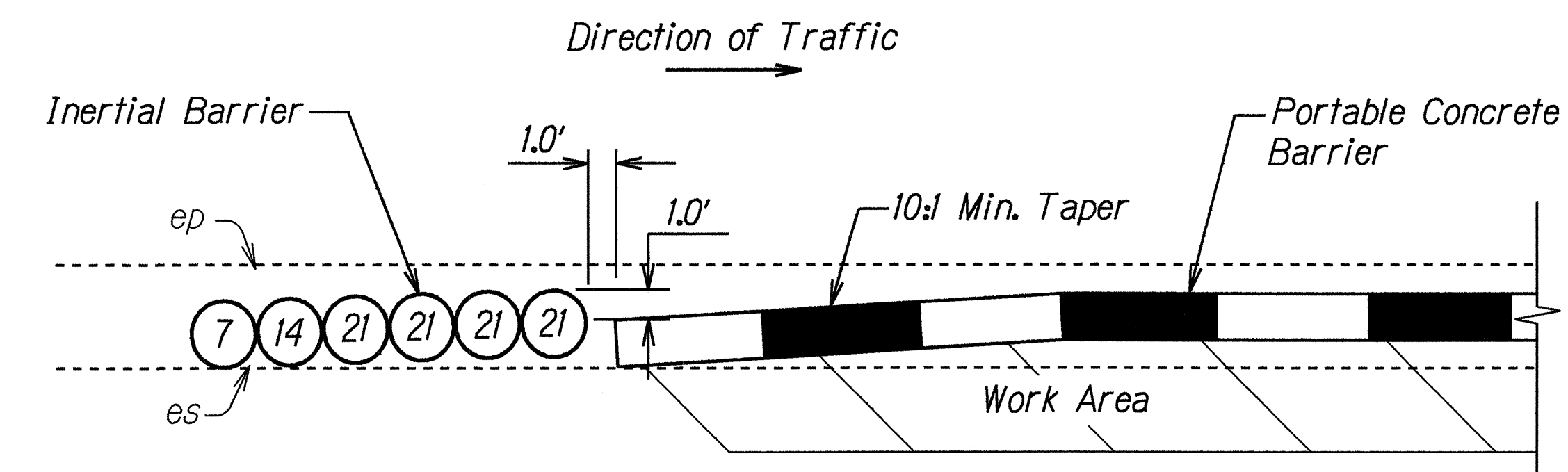
SECTION
Not to Scale



CURB RAMP - TYPE "D" MODIFIED
Not to Scale

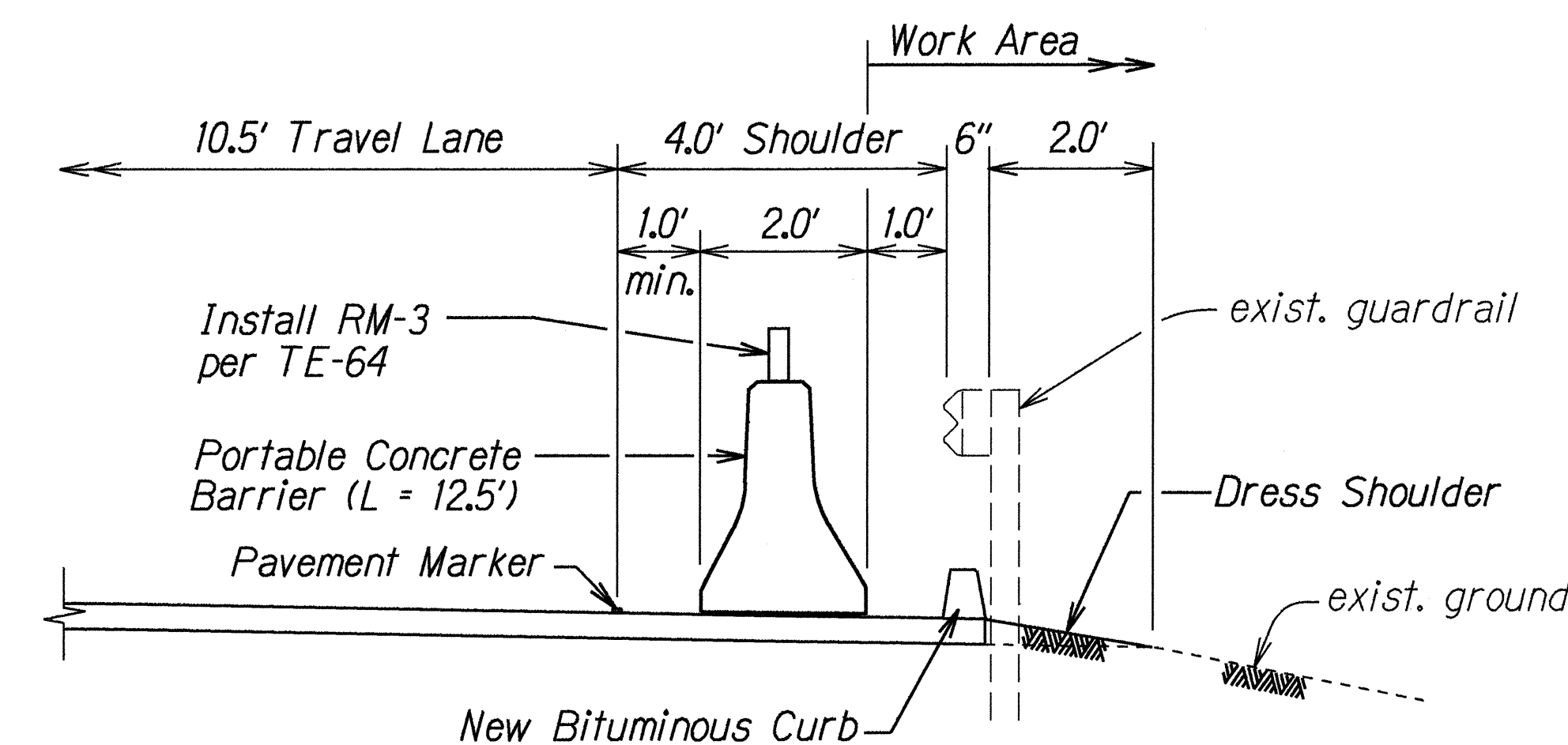
CURB RAMP NOTES:

1. Curb Ramps shall be reinforced if adjacent sidewalks are reinforced.
2. The Contractor shall use the Edge of Pavement (E.P.) fronting the new curb ramp as the control elevation when constructing the New Curb Ramp.
3. The width of Curb Ramp including curbs shall match the width of the sidewalk. Standard curbs shall be installed on the Modified Type "D" Curb Ramp.



NOTE: The numbers inside the circle indicate weight of sand in 100-lb unit.

TYPICAL DETAIL
6-MODULE INERTIAL BARRIER
Not To Scale



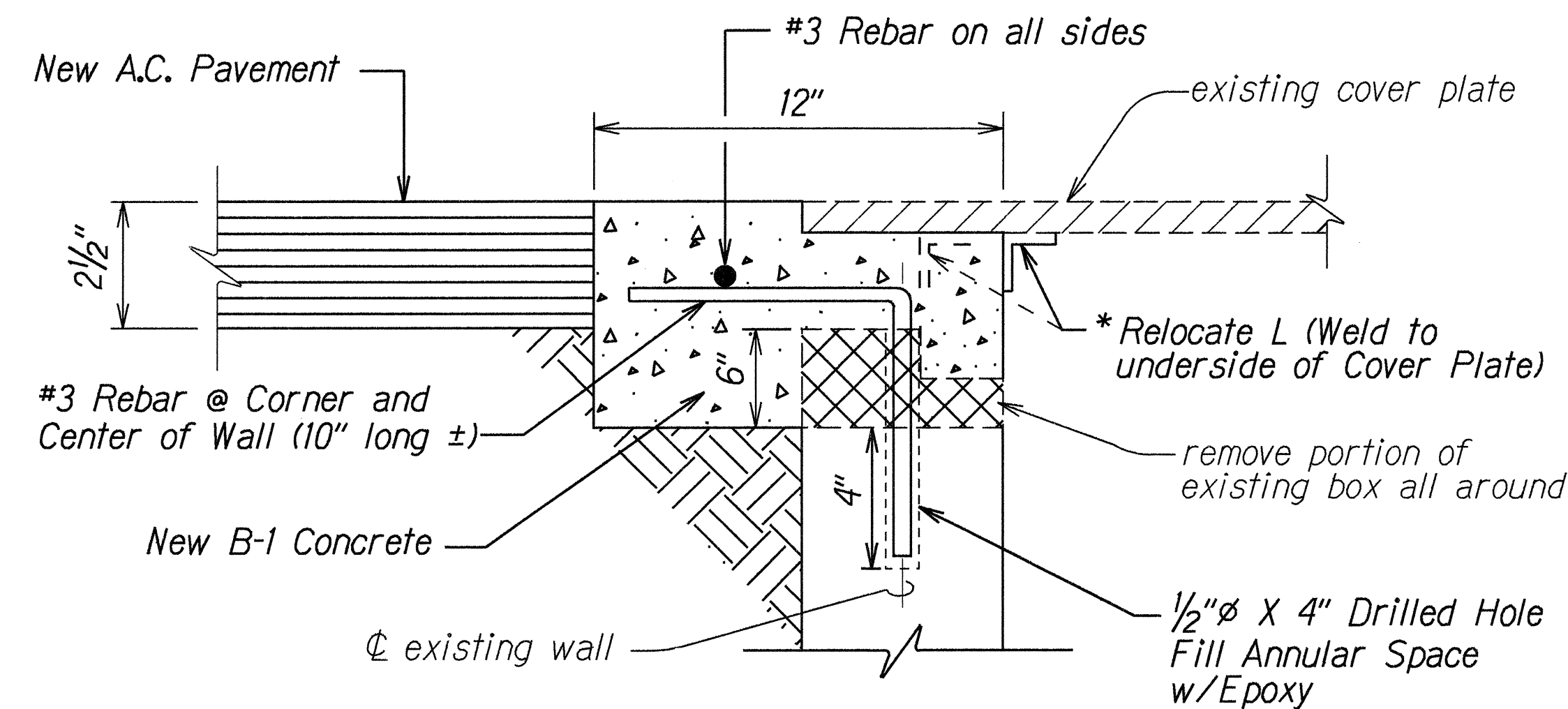
NOTE: RM-3 installed over concrete barrier shall be considered incidental to Contract Item No. 606.4230 - State-Furnished Portable Concrete Barrier.

TYPICAL DETAIL
PORTABLE CONCRETE BARRIER
Not To Scale

SURVEY PLOTTED BY	DATE
DRAWN BY	3-16-98
TRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
KEY PLAN	
REVISIONS	

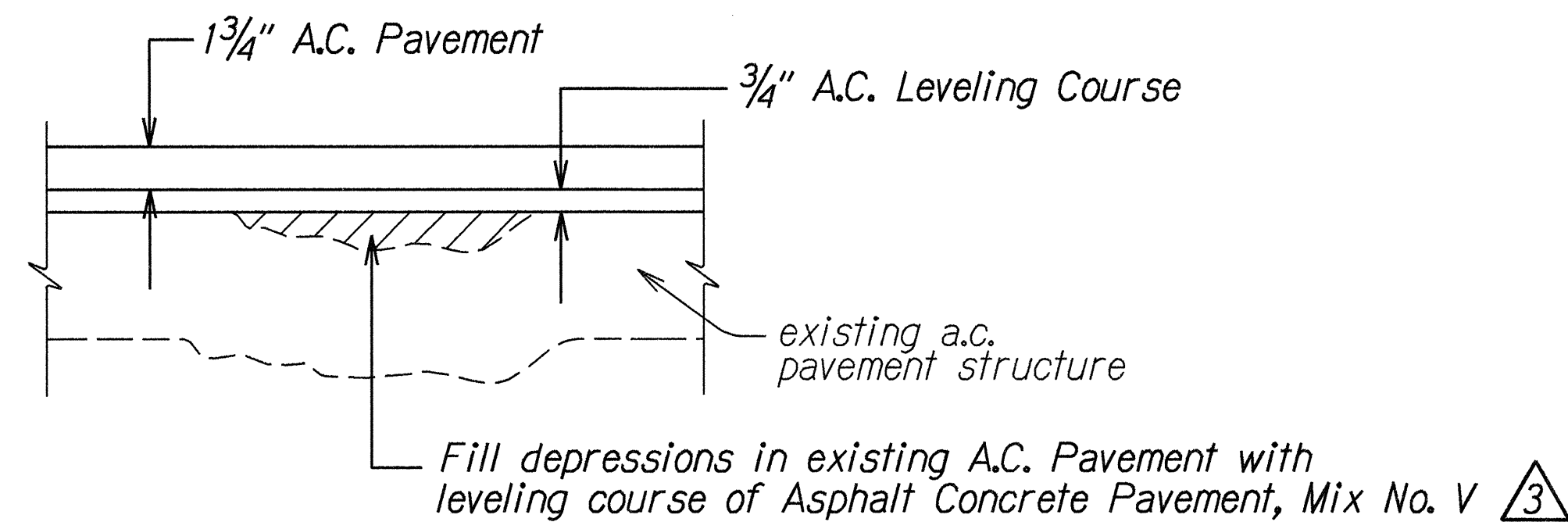
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTIONS & DETAILS	
KUHIO HIGHWAY REHABILITATION Hanamaulu To North Leho Drive Federal Aid Proj. No. STP-056-1(41)	
Scale: As Shown	Date: March, 1998
SHEET No. 5 OF 7 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(41)	1998	ADD.9	33

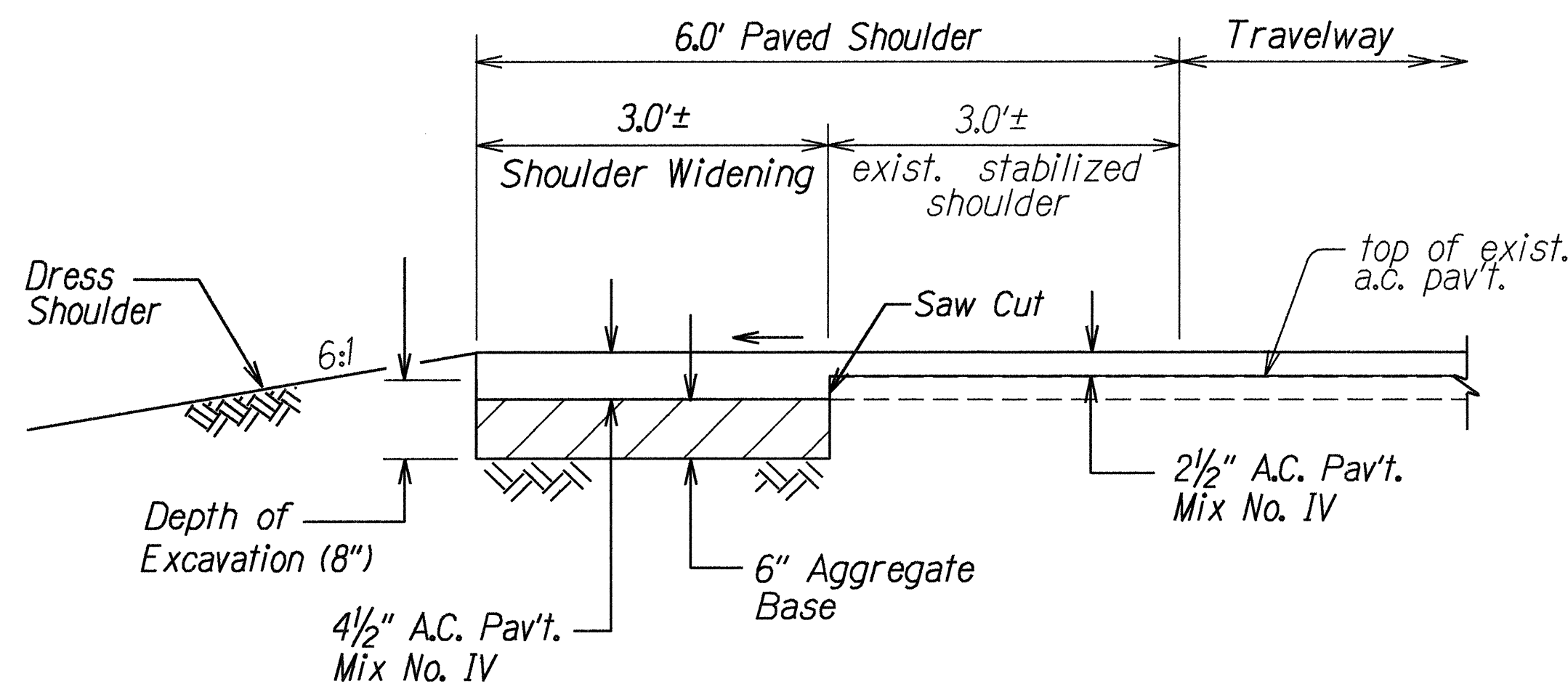


UTILITY BOX ADJUSTMENT DETAIL
Not To Scale

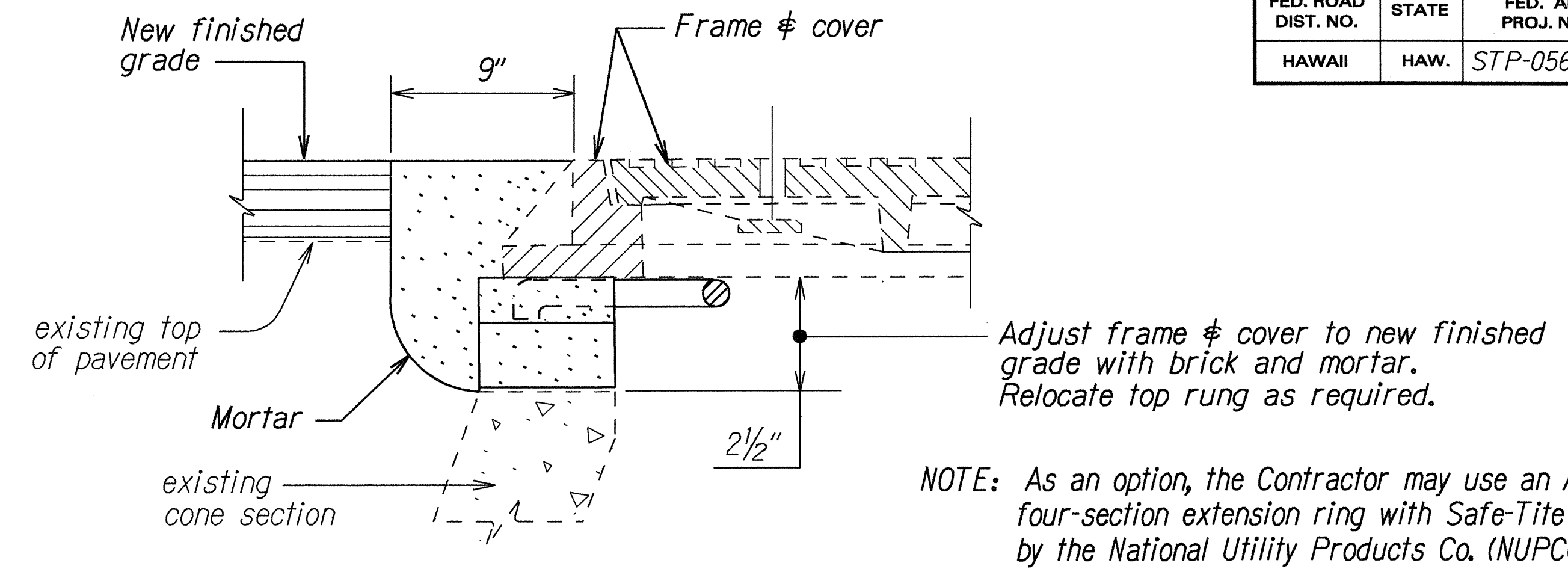
*NOTE: For utility boxes with cover frames, the Contractor shall remove and adjust the frames to the new finished grade by embedding the frame in new concrete section as shown above



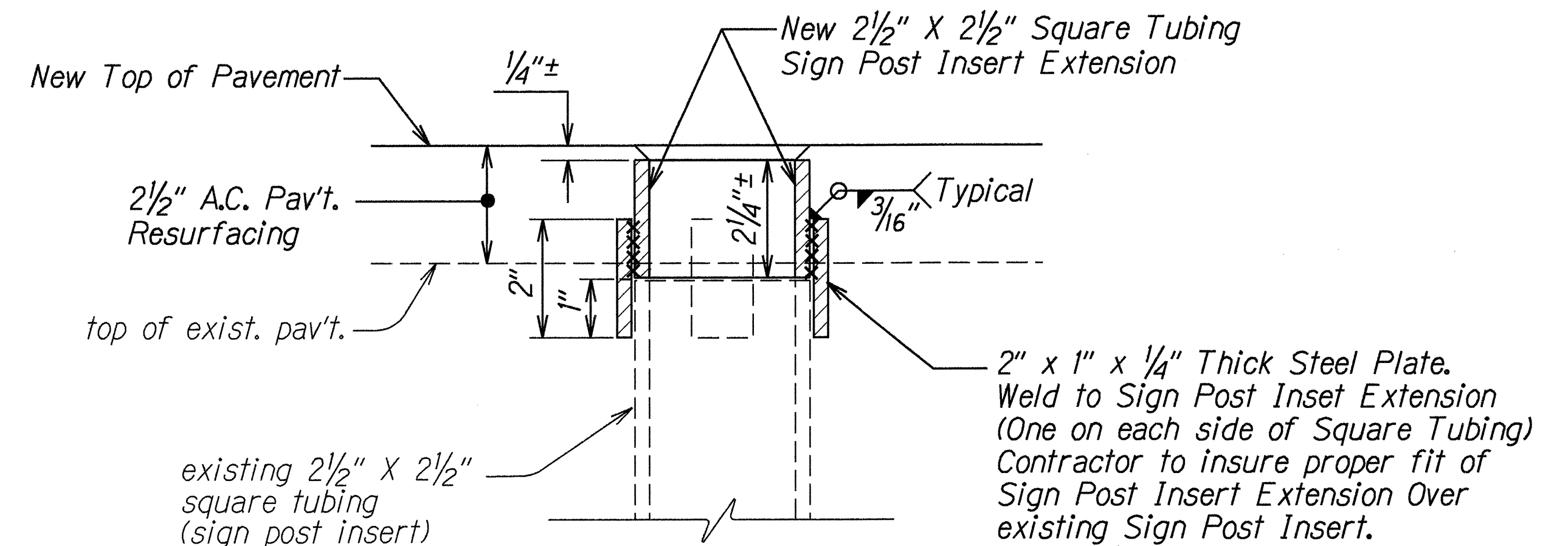
#Sta. 238+65 to # Sta. 306+00
LEVELING COURSE DETAIL
Not To Scale



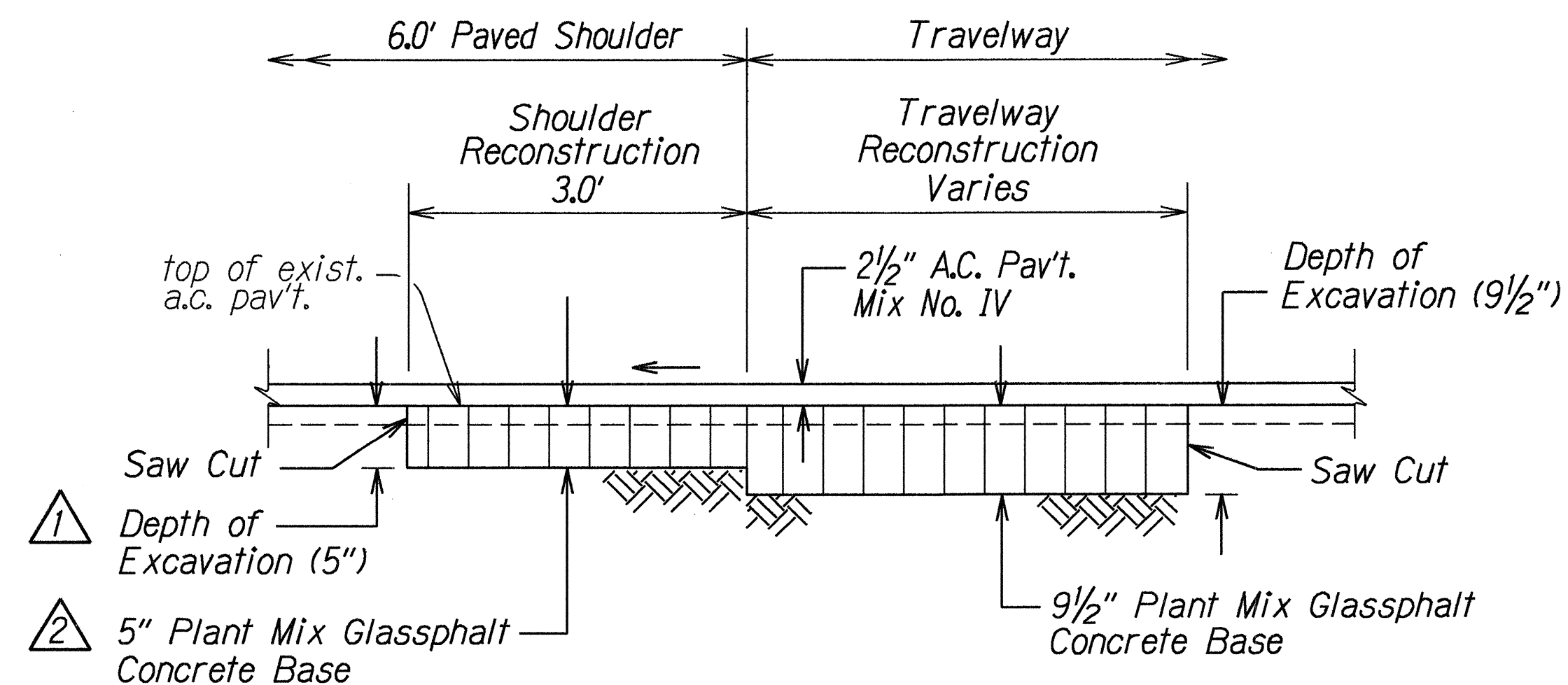
Sta. 352+50± to # Sta. 396+20±, o/s Lt.
SHOULDER CONSTRUCTION DETAIL
Not To Scale



TYPICAL MANHOLE FRAME & COVER ADJUSTMENT
(SEWER & STORM DRAIN M.H.)
Not To Scale



DETAIL - SIGN POST INSERT EXTENSION
Not To Scale



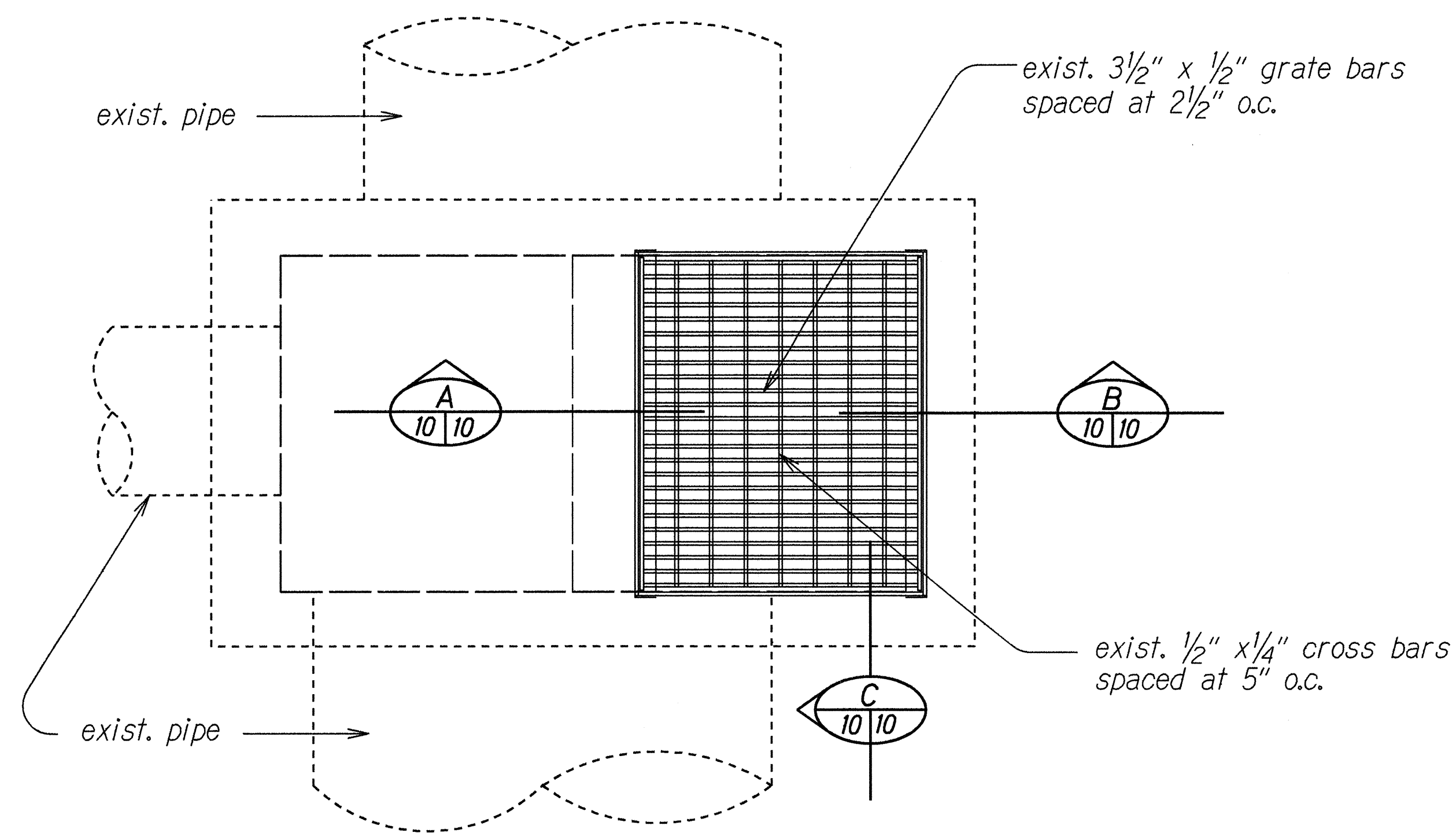
A.C. PAVEMENT RECONSTRUCTION DETAIL
Not To Scale

6/15/98	5	Added Station Limits
	4	Added Station Limits
	3	Changed Mix No. IV to Mix No. V
	2	Changed 6" Aggregate Base to 5" Plant Mix Glassphalt Conc. Base
	1	Changed Depth of Excavation from 8" to 5"
DATE		REVISION

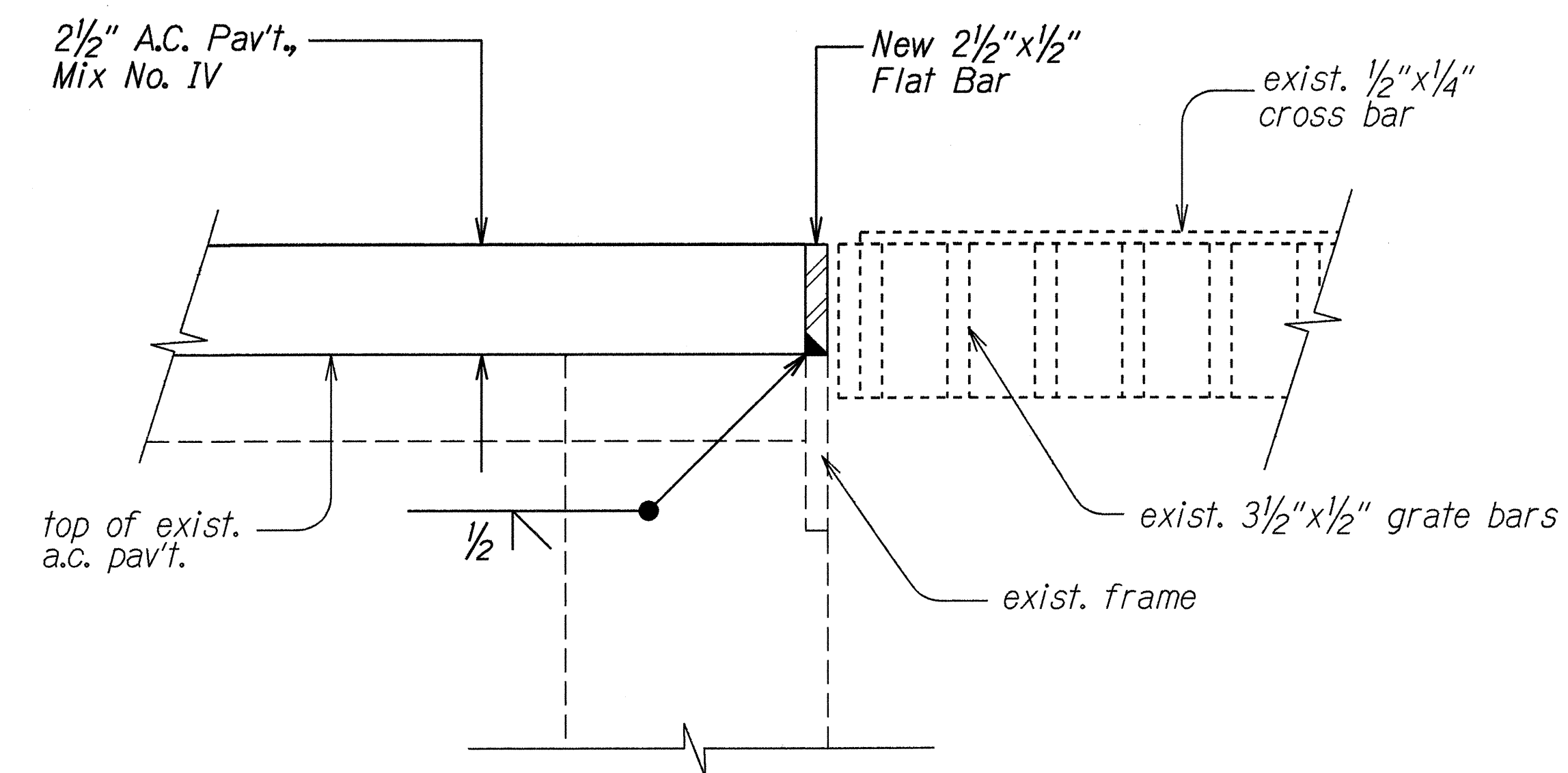
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTIONS & DETAILS	
KUHIU HIGHWAY REHABILITATION Hanalei To North Leho Drive Federal Aid Proj. No. STP-056-1(41)	
Scale: As Shown	Date: March, 1998
SHEET No. 6 OF 7 SHEETS	

ORIGINAL PLAN	DATE
DESIGNED BY	3-10-98
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

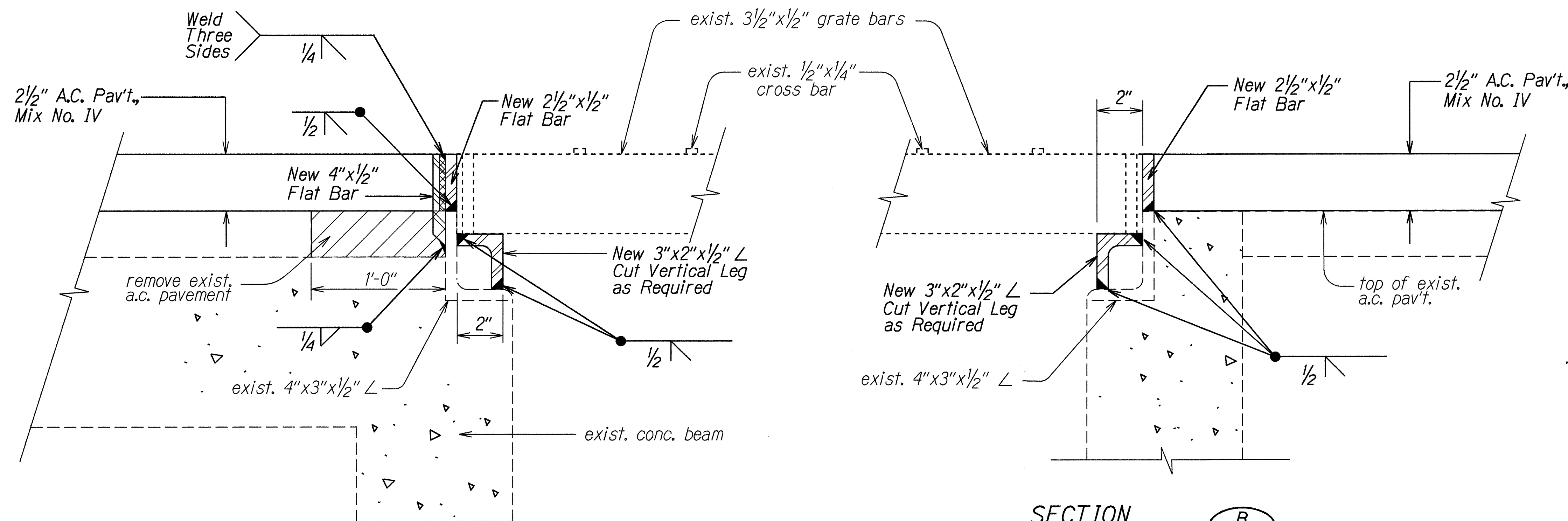
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(41)	1998	10	33



TYPICAL PLAN - DRAIN INLET
Scale: 3/4" = 1'-0"



SECTION C
Scale: 2" = 1'-0"



SECTION A
Scale: 2" = 1'-0"

SECTION B
Scale: 2" = 1'-0"

DETAILS - DRAIN INLET ADJUSTMENT
Scale: As Shown

- NOTES:
1. All steel items shall be hot-dip galvanized after fabrication.
 2. Apply two (2) layers zinc coating to all welded areas after installation.

ORIGINAL PLAN	DATE	3/16/98
SURVEY PLANNED BY		
DRAWN BY		
NOTED BY		
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS & DETAILS

KUHIO HIGHWAY REHABILITATION
Hanamaulu To North Leho Drive
Federal Aid Proj. No. STP-056-1(41)

Scale: As Shown Date: March, 1998
SHEET No. 7 OF 7 SHEETS