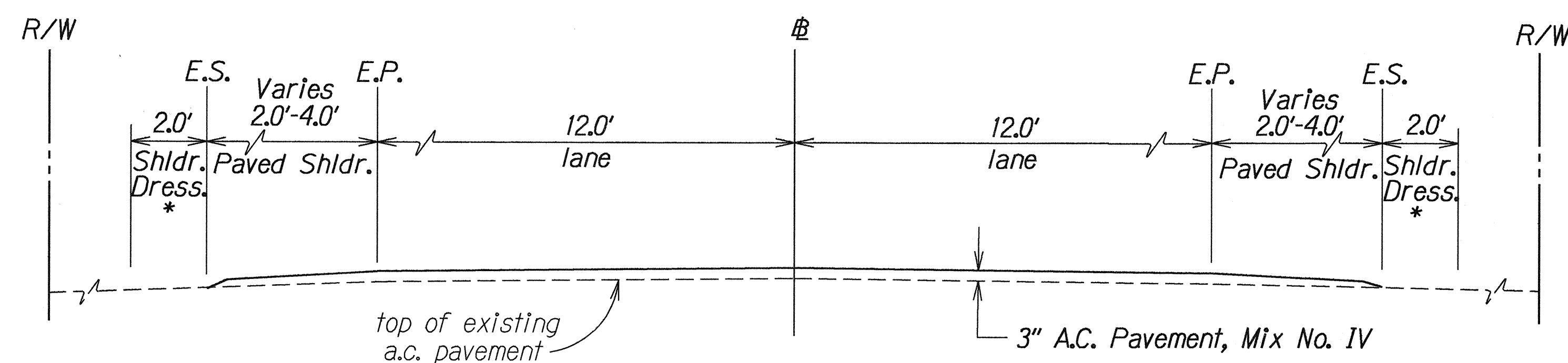
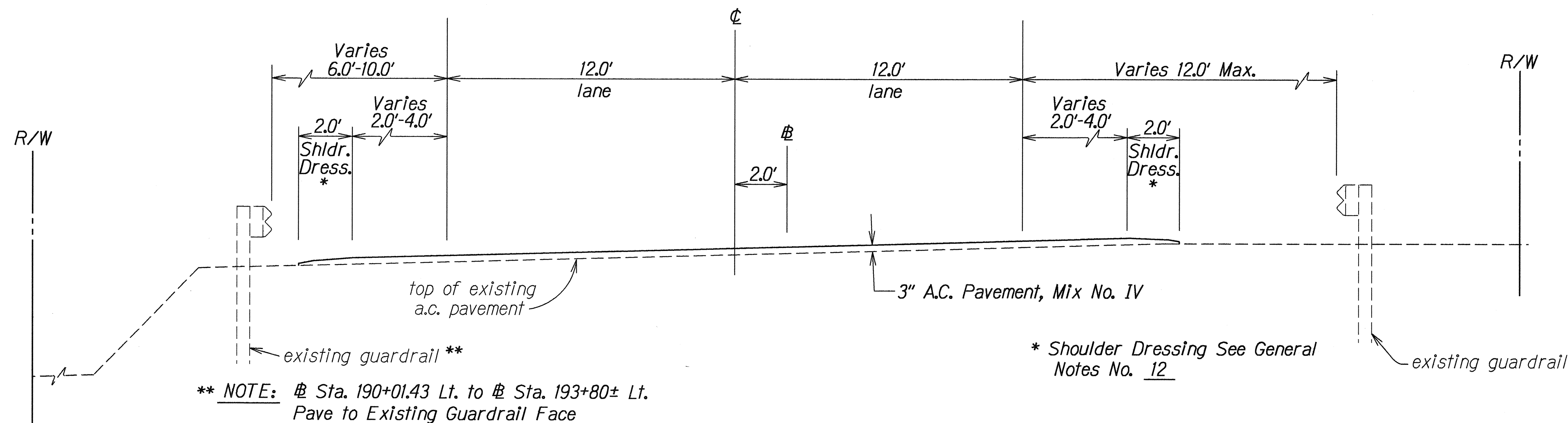


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(40)	1993	4	20



**TYPICAL SECTION**

Scale:  $\frac{3}{8}$ " = 1'-0"



**TYPICAL SECTION**

Scale:  $\frac{3}{8}$ " = 1'-0"

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

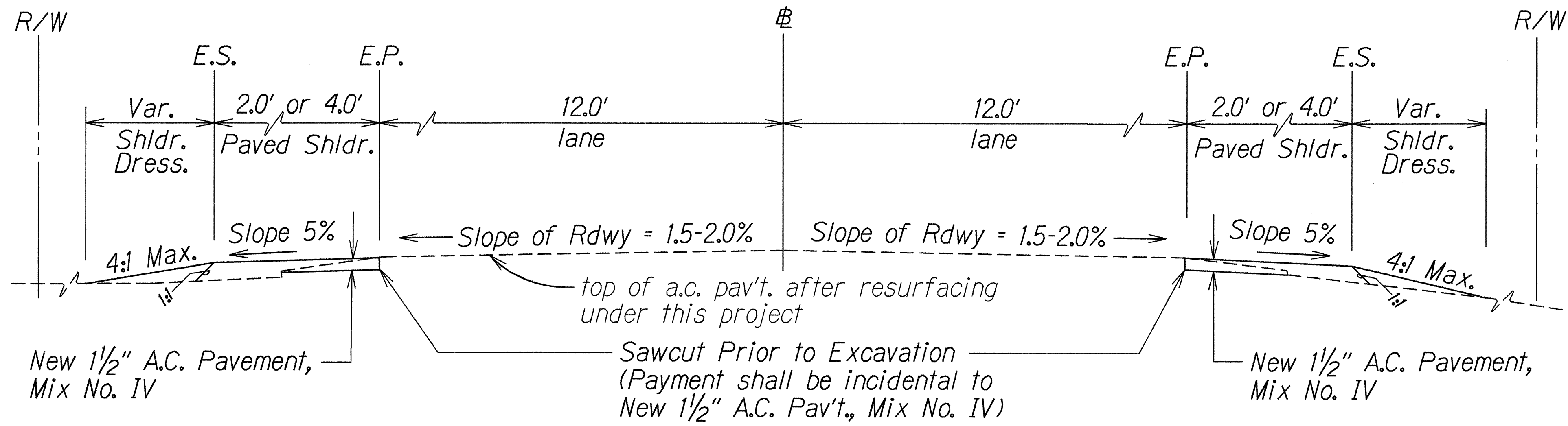
**TYPICAL SECTIONS**

KALANIANA'OLE HIGHWAY RESURFACING  
Makapuu Lighthouse Rd. to Blowhole Lookout  
Fed. Aid Proj. No. STP-072-1(40)

Scale:  $\frac{3}{8}$ " = 1'-0" Date: May, 1993

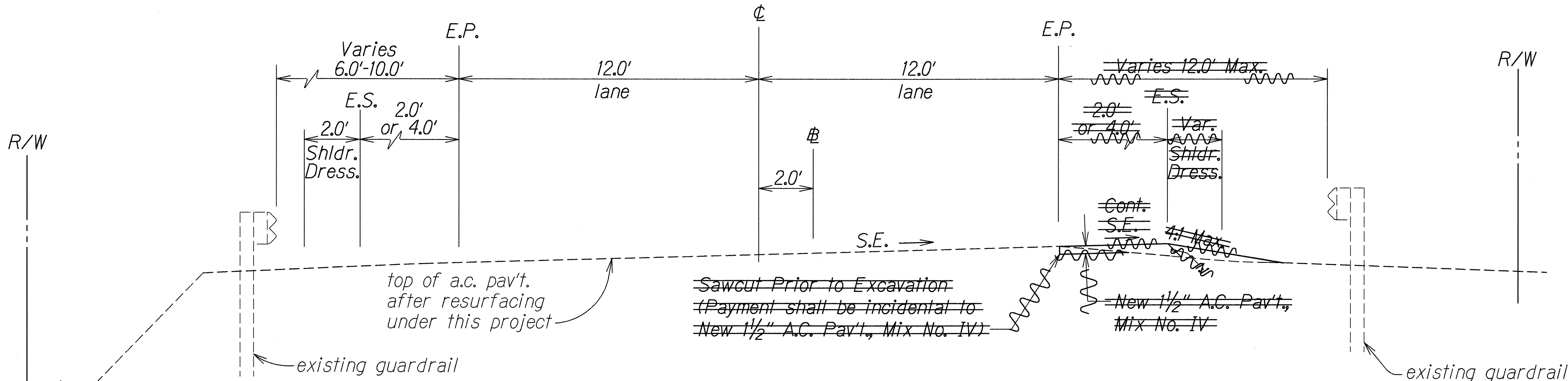
SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(40)	1993	C.O.4S-1	20



- NOTES:
1. The work to be done on this sheet was done after the resurfacing of this project was completed.
  2. Cross Sections for this shoulder reconstruction is shown on plan sheet nos. C.O. 20S-1 to C.O. 20S-5.

TYPICAL TANGENT SECTION  
Not to Scale



TYPICAL SUPERELEVATION SECTION  
Not to Scale

SURVEY PLOTTED BY	DATE
DRAWN BY Michael Howells	1/6/94
DESIGNED BY Karen Ng	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
add/trace	
N.4kaldtsc	

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

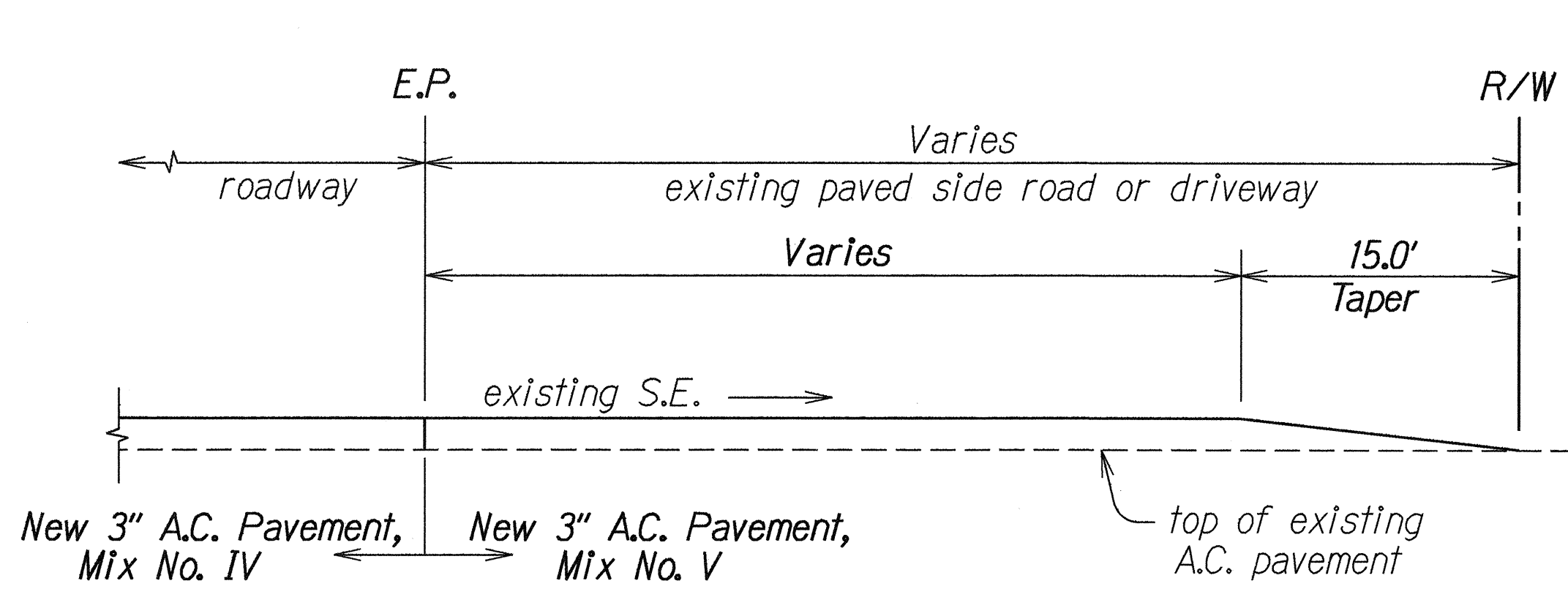
1/6/94	Added Typical Sections to Contract Plans.
DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

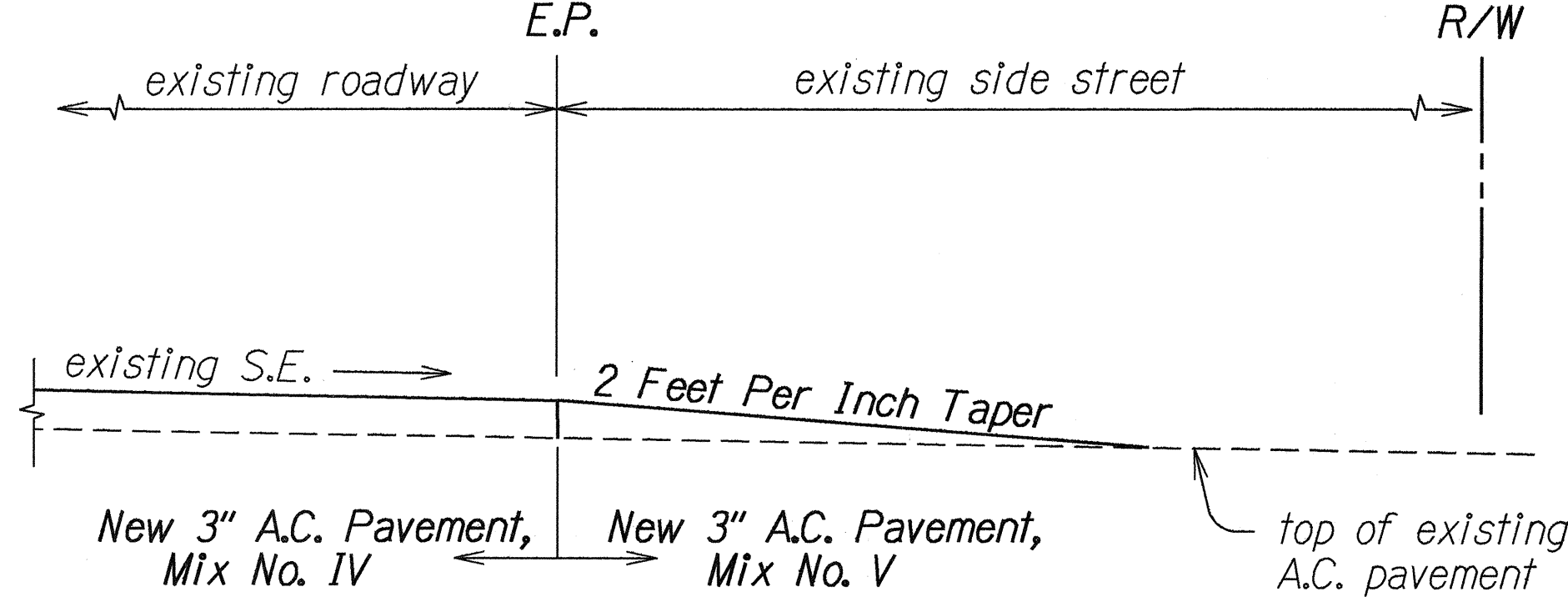
TYPICAL SECTIONS  
KALANIANA'OLE HIGHWAY RESURFACING  
Makapuu Lighthouse Rd. to Blowhole Lookout  
Fed. Aid Proj. No. STP-072-1(40)  
Scale: 3/8"= 1'-0"  
Date: May, 1993

SHEET No. 3a OF 3 SHEETS

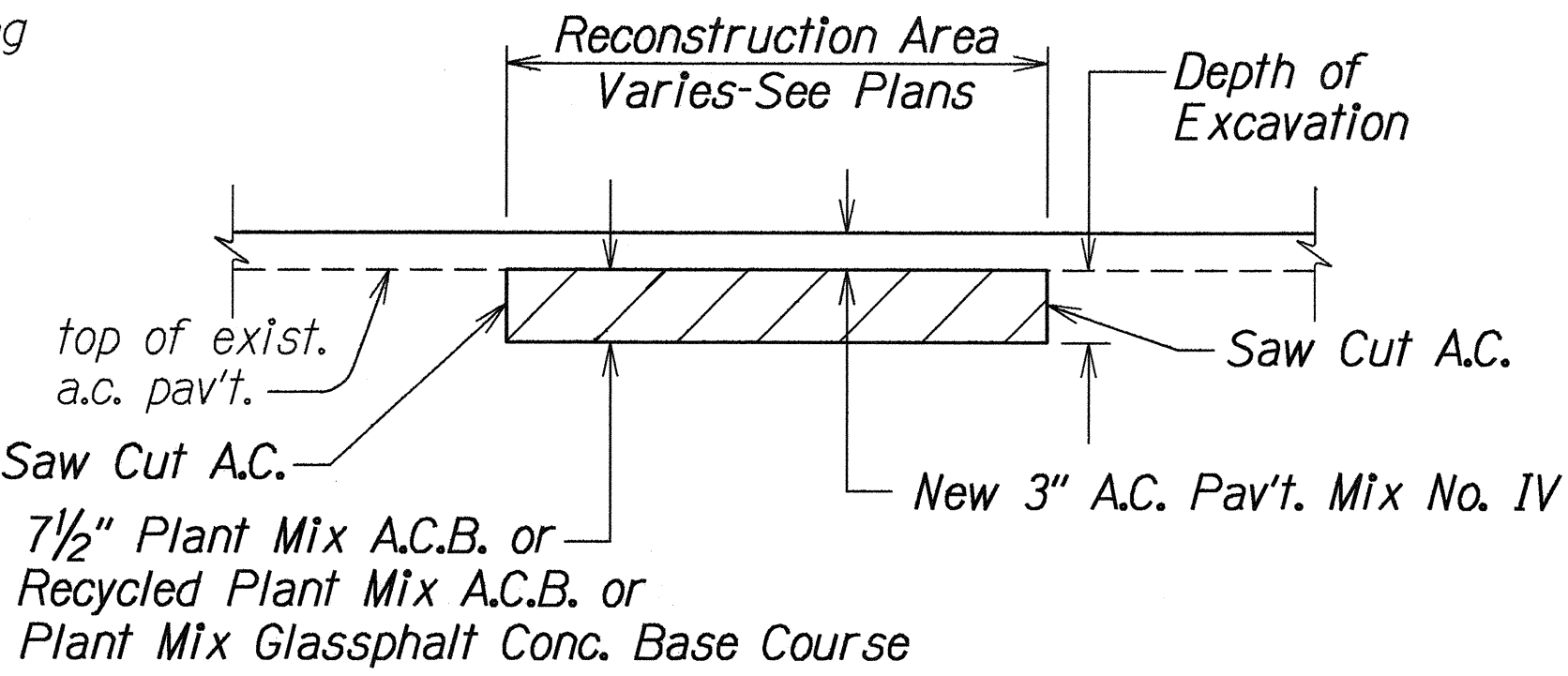
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(40)	1993	5	20



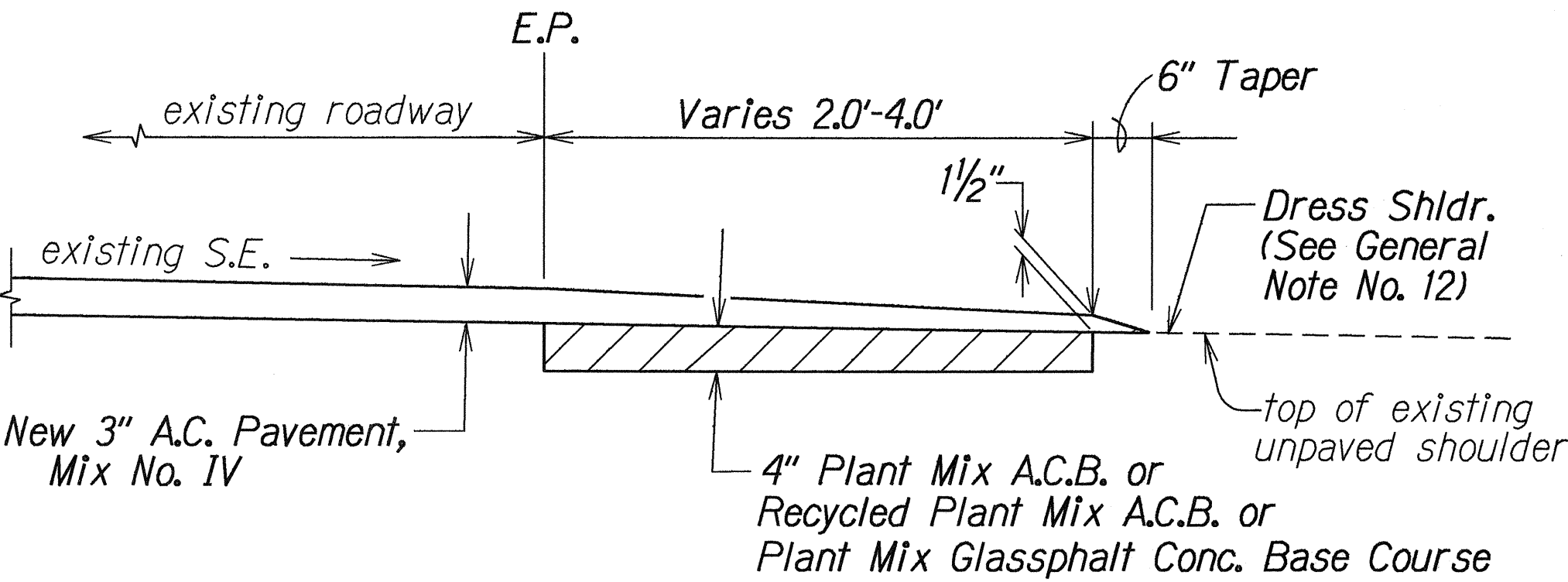
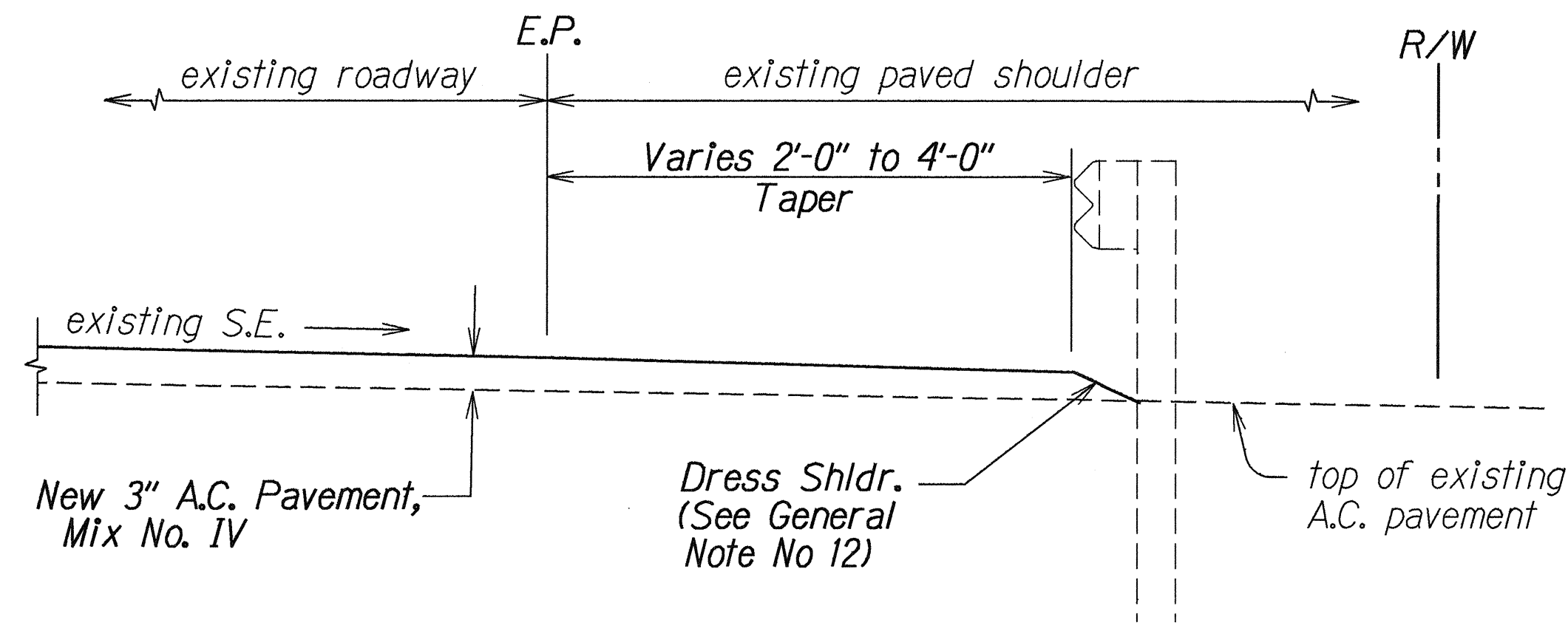
**A. C. RESURFACING AT PAVED SIDEROAD OR PAVED DRIVEWAY DETAIL**  
Not To Scale



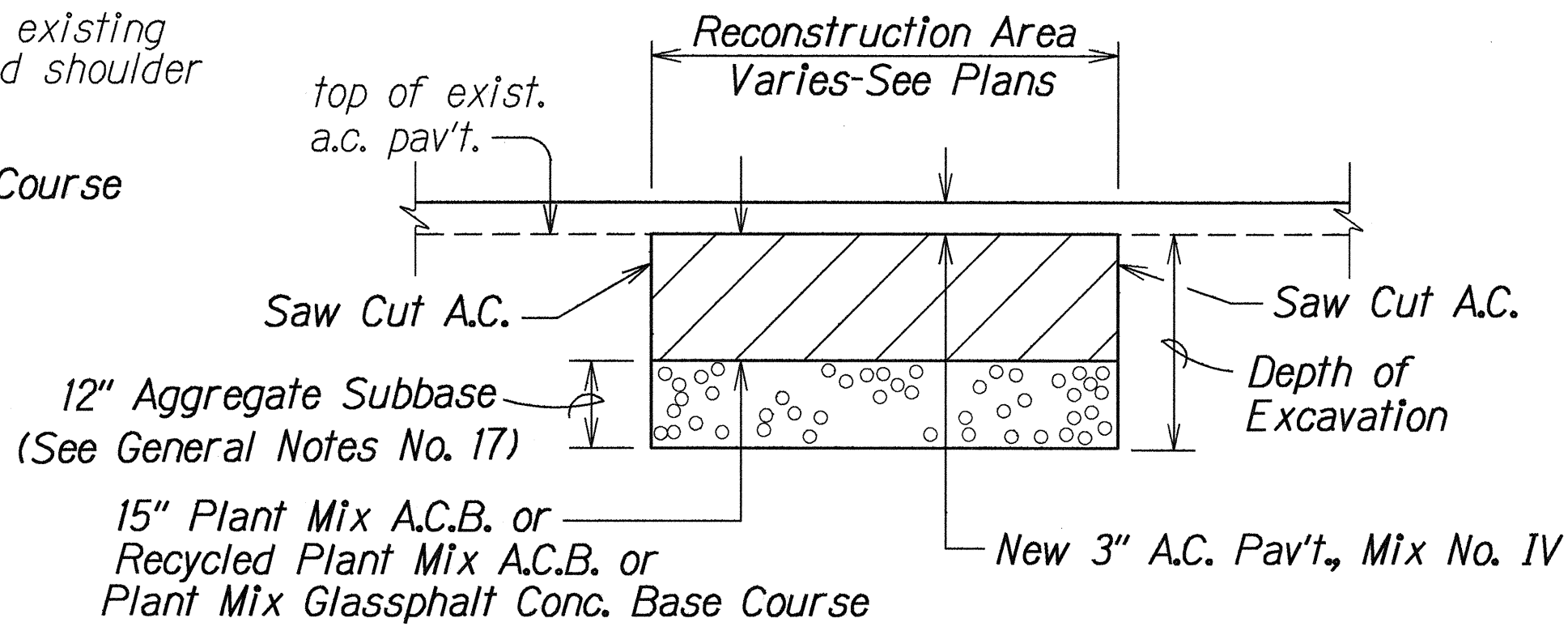
**SIDE STREET SECTION**  
*Kealahou Street*  
Not To Scale



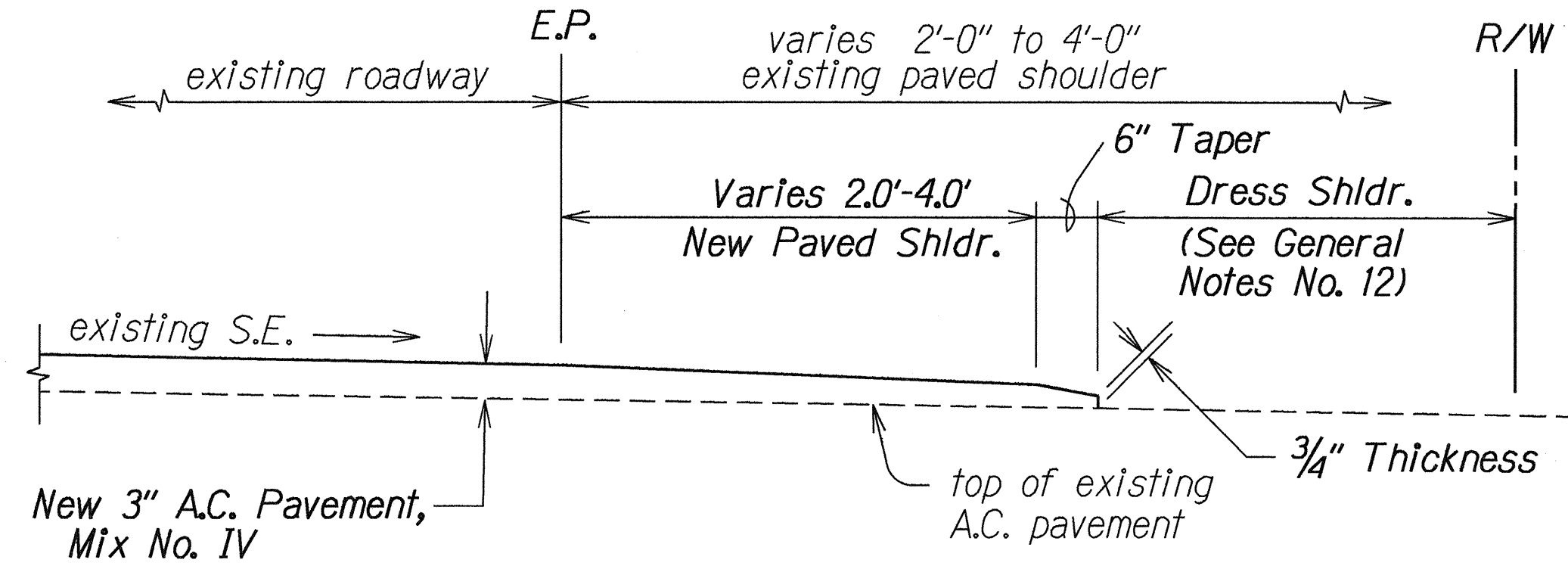
**A.C. PAVEMENT 7 1/2" RECONSTRUCTION DETAIL**  
Not To Scale



**DETAILS OF NEW PAVED SHOULDER**  
Not To Scale



**A.C. PAVEMENT 15" RECONSTRUCTION DETAIL**  
Not To Scale



**A. C. RESURFACING WHERE PAVED SHOULDER EXIST DETAIL**  
Not To Scale

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL DETAILS**

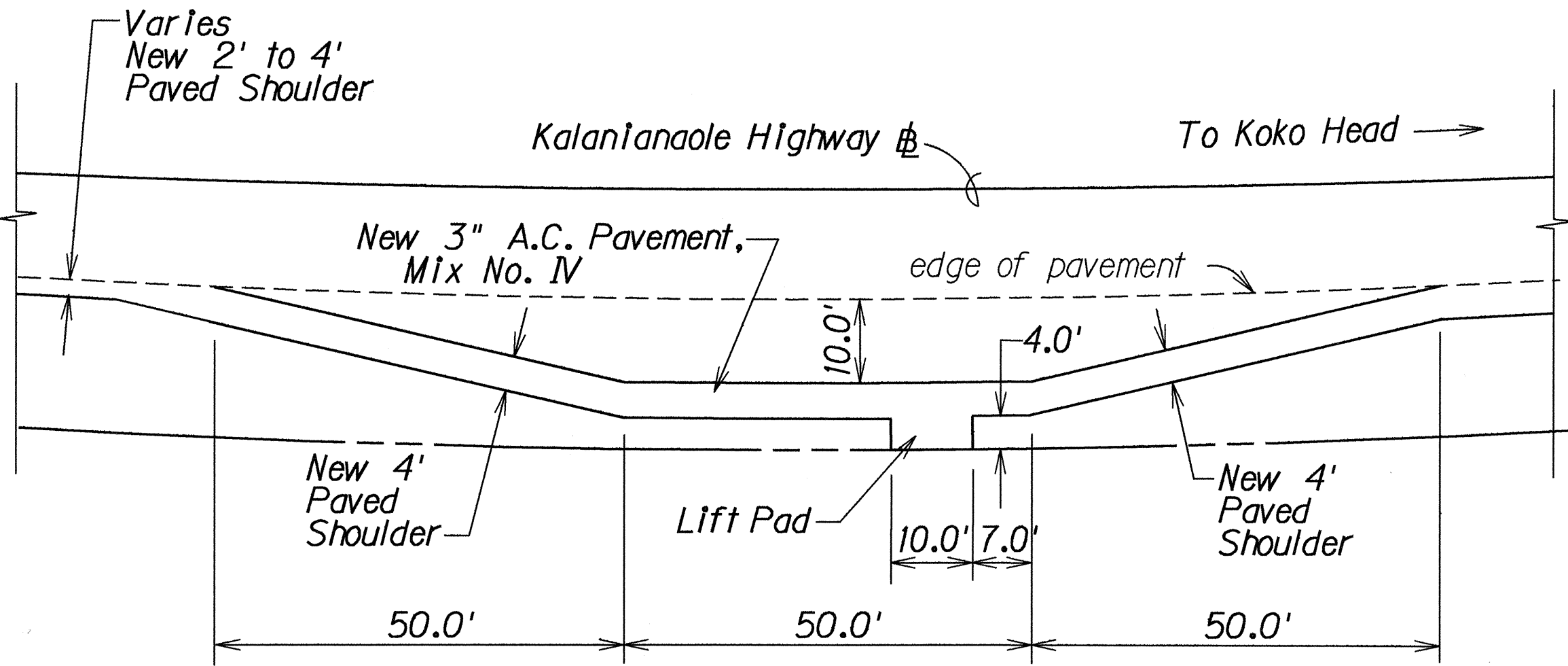
KALANIANA'OLE HIGHWAY RESURFACING  
Makapuu Lighthouse Rd. to Blowhole Lookout  
Fed. Aid Proj. No. STP-072-1(40)

Scale: As shown      Date: May, 1993

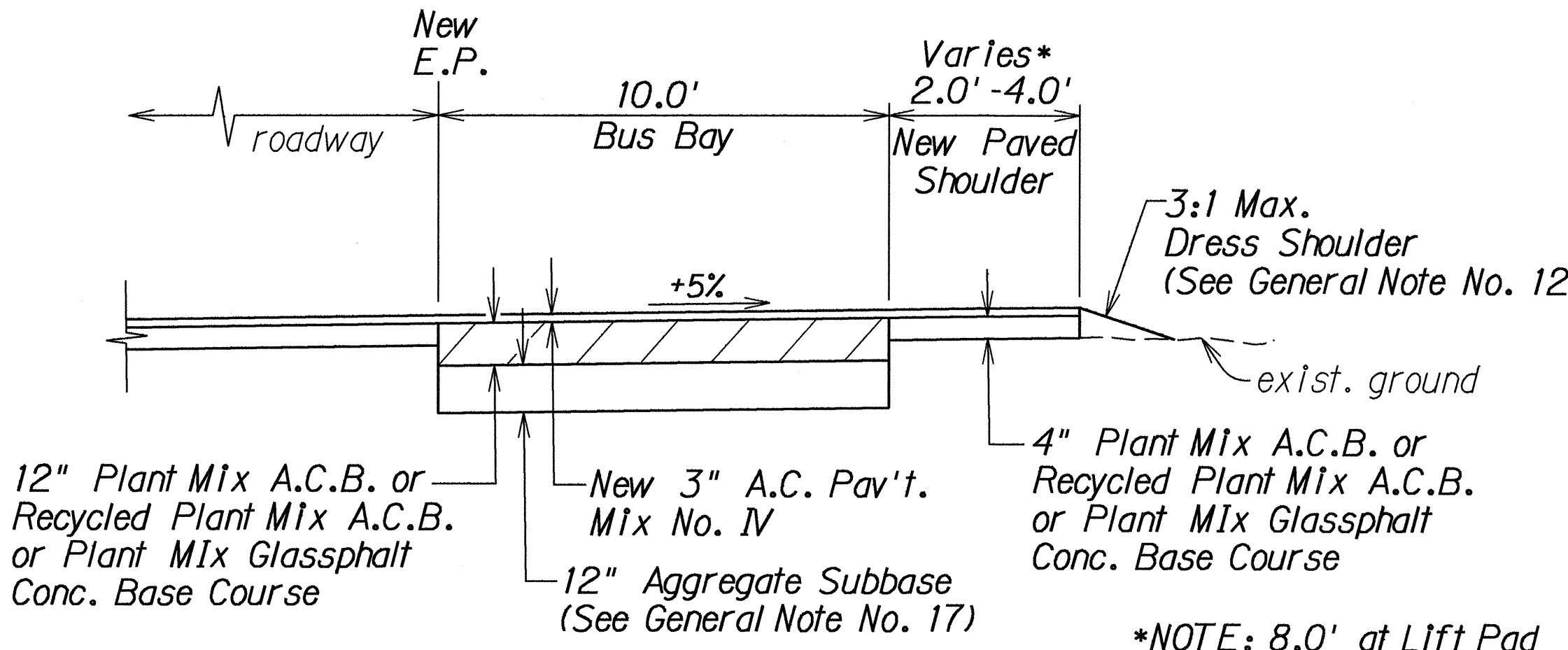
SHEET No. 2 OF 3 SHEETS



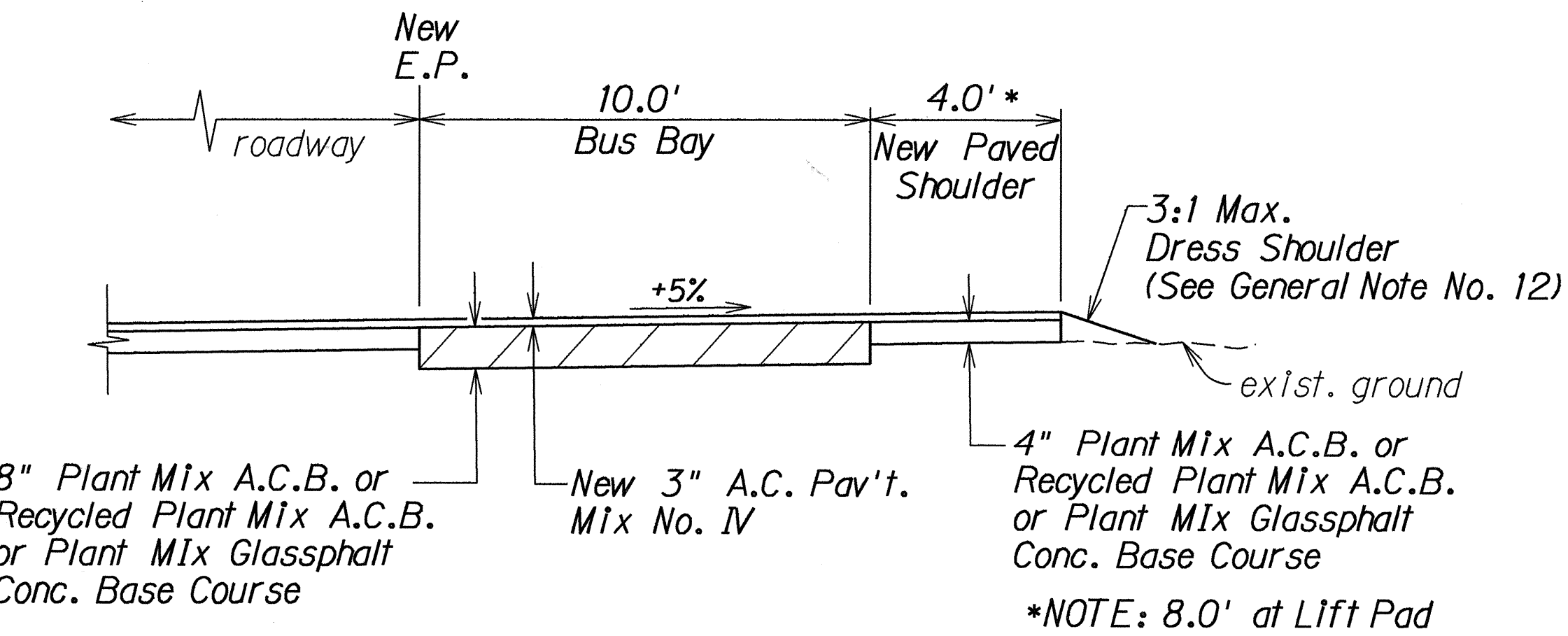
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(40)	1993	6	20



**BUS BAY PLAN**  
Not to Scale



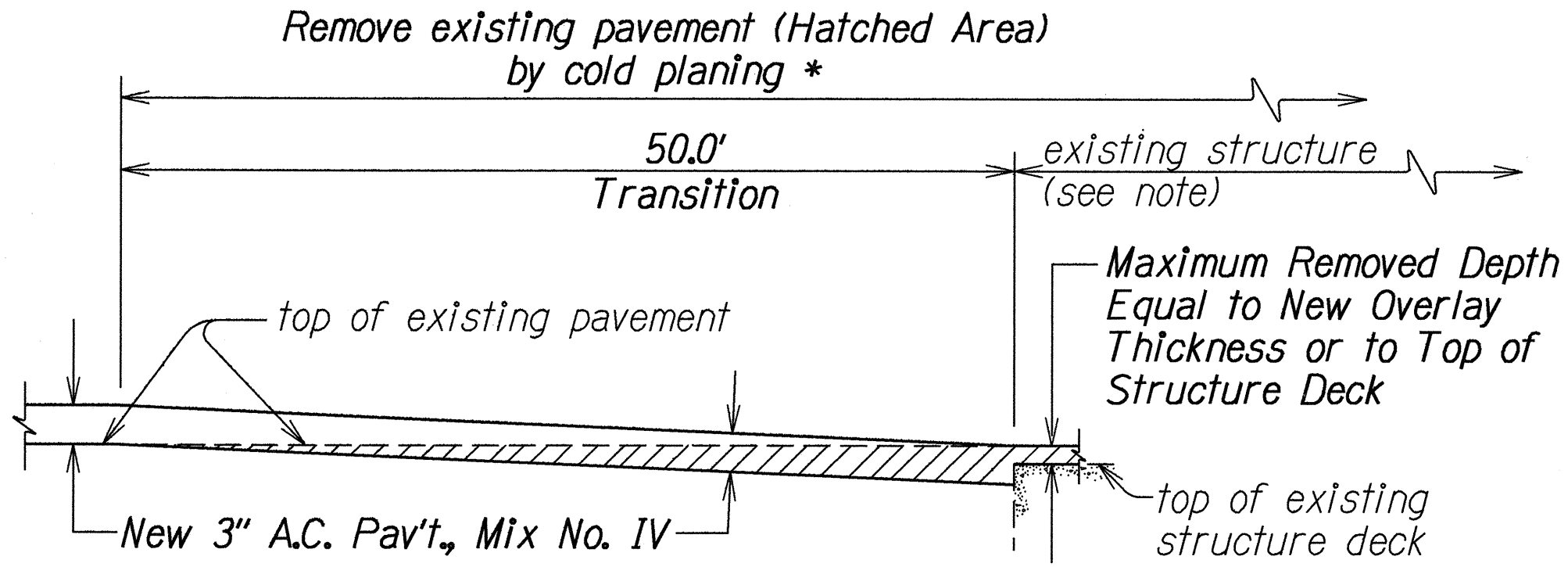
**TYPICAL SECTION AT NEW BUS BAY**  
Near Hawaii Kai Golf Course  
Not to Scale



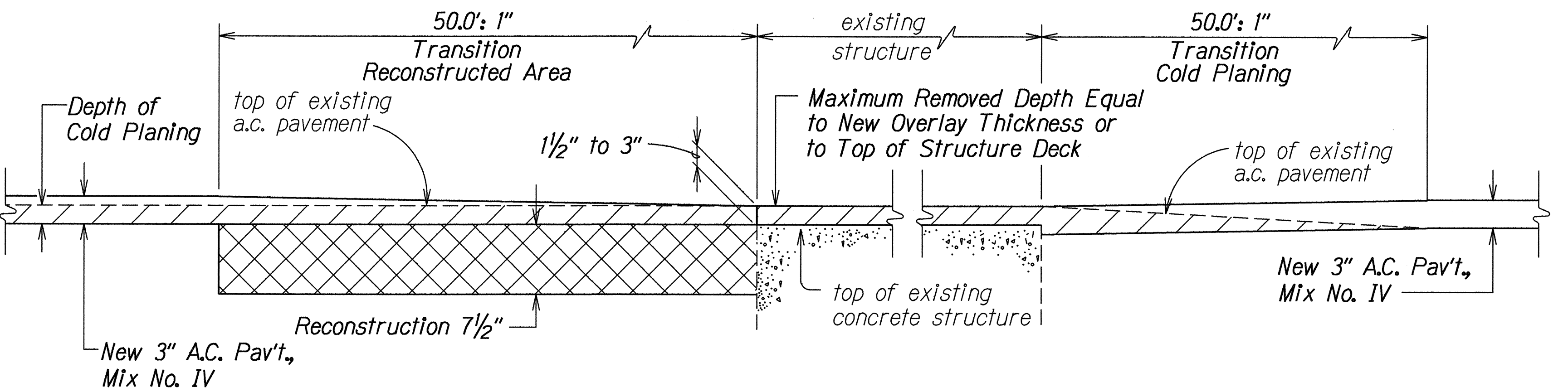
**TYPICAL SECTION AT NEW BUS BAY**  
Near Sandy Beach  
Not to Scale

Note:  
In removing the pavement over the structure, the Contractor shall exercise care not to damage any portion of the structure, especially the slab, joints, drainage pipes or reinforcement. Any damage to the structure during the removal operations shall be directed by the Engineer. The Contractor shall verify the thickness of the pavement by taking several measurements throughout the structure.

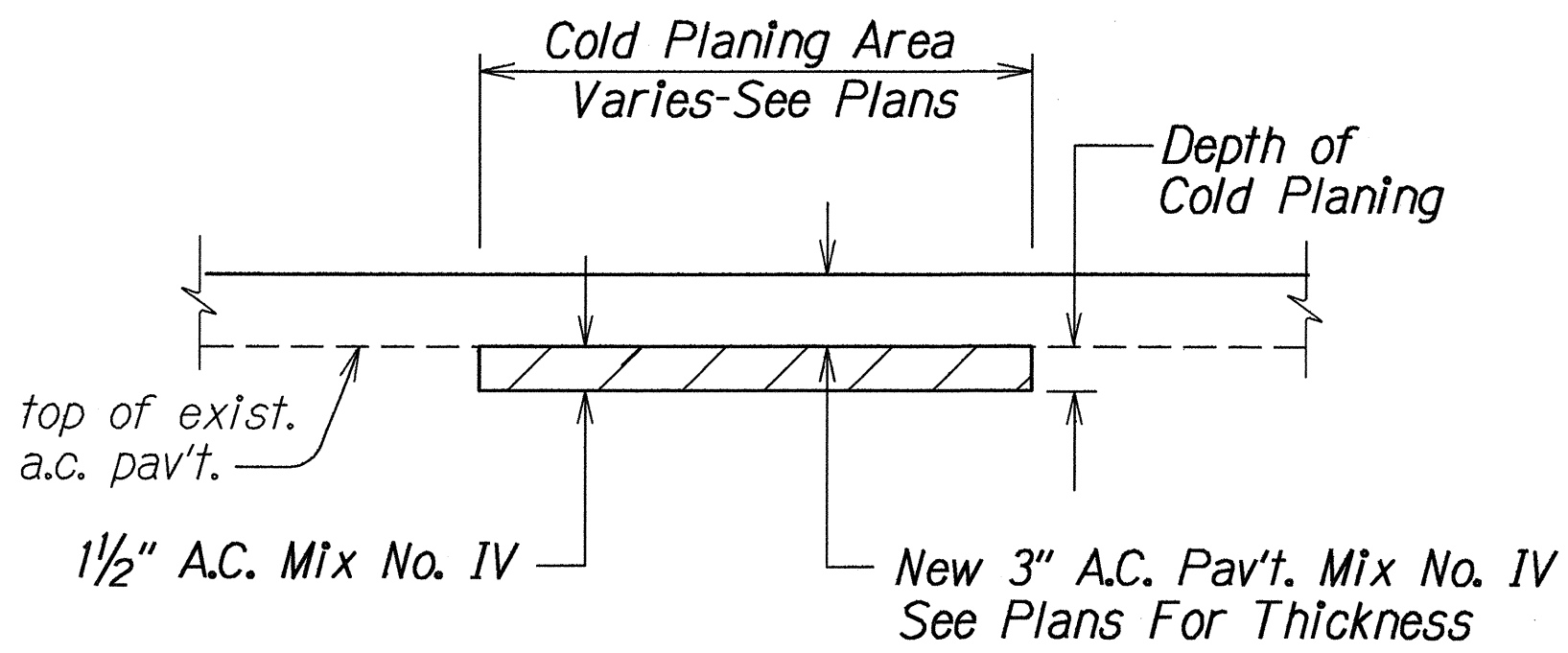
\* Removal of existing pavement shall be considered incidental to A.C. Pavement Mix No. IV and will not be paid for separately.



**TYPICAL LONGITUDINAL SECTION AT EXISTING STRUCTURE TO BE RESURFACED**  
Not to Scale



**COLD PLANING TRANSITION, RECONSTRUCTION AND RESURFACING OVER EXISTING STRUCTURE DETAIL**  
Not to Scale



**A.C. PAVEMENT COLD PLANING DETAIL**  
Not To Scale

6/21/93	Revised Cold Planing Transition Detail and Typical Longitudinal Section.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>TYPICAL SECTIONS AND DETAILS</b> <b>KALANIANAʻOLE HIGHWAY RESURFACING</b> <b>Makapuu Lighthouse Rd. to Blowhole Lookout</b> <b>Fed. Aid Proj. No. STP-072-1(40)</b> Scale: As shown Date: May, 1993	
SHEET No. 3 OF 3 SHEETS	