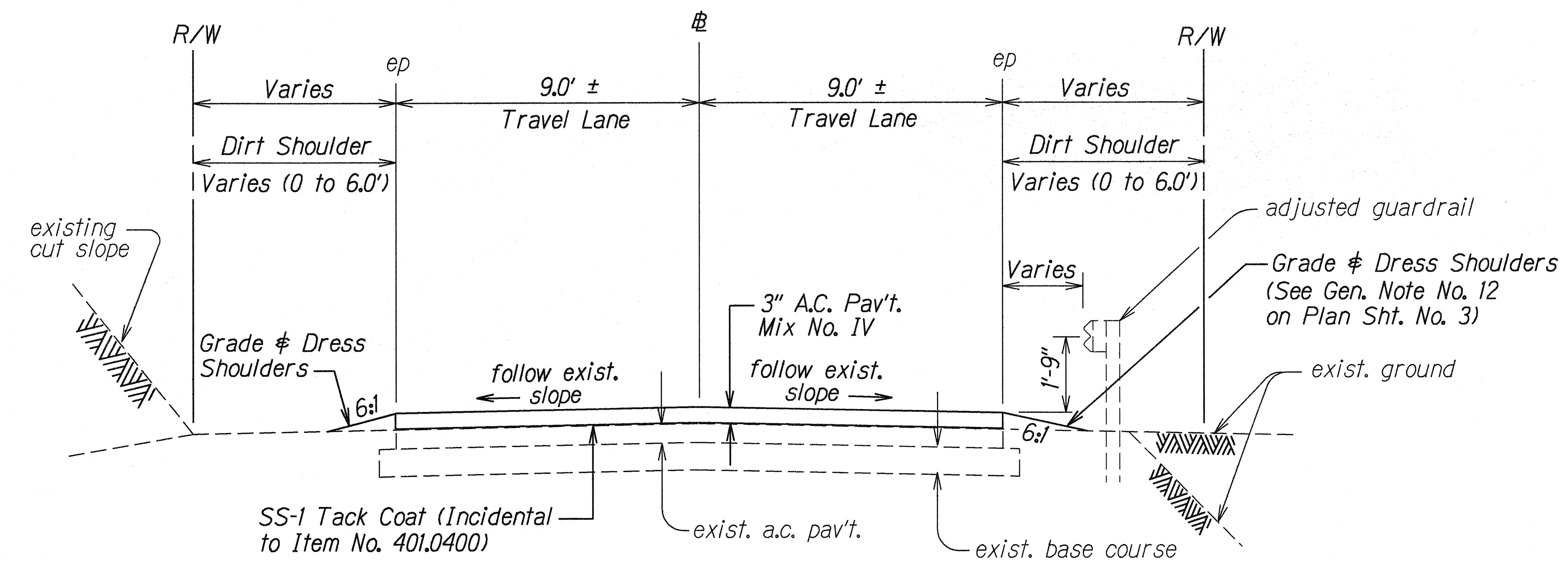
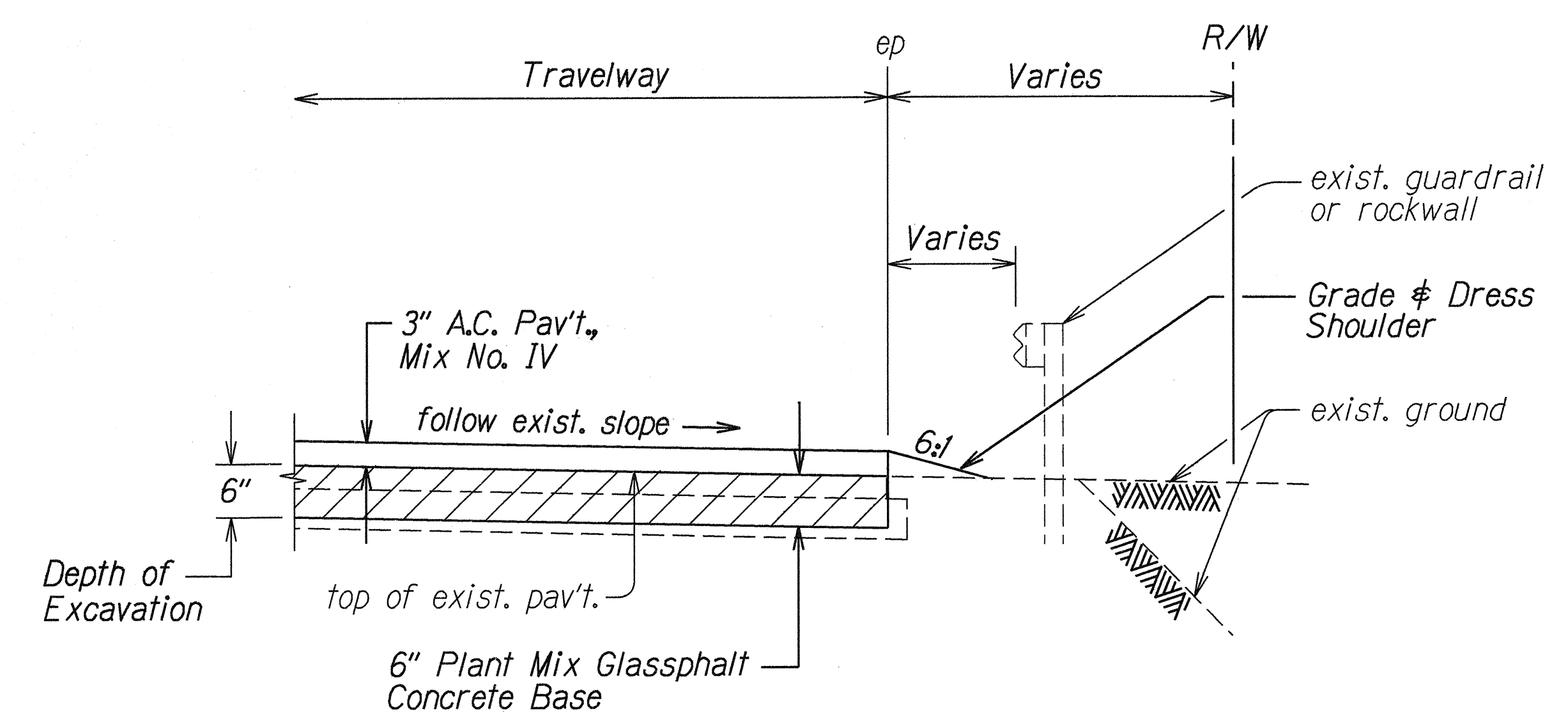


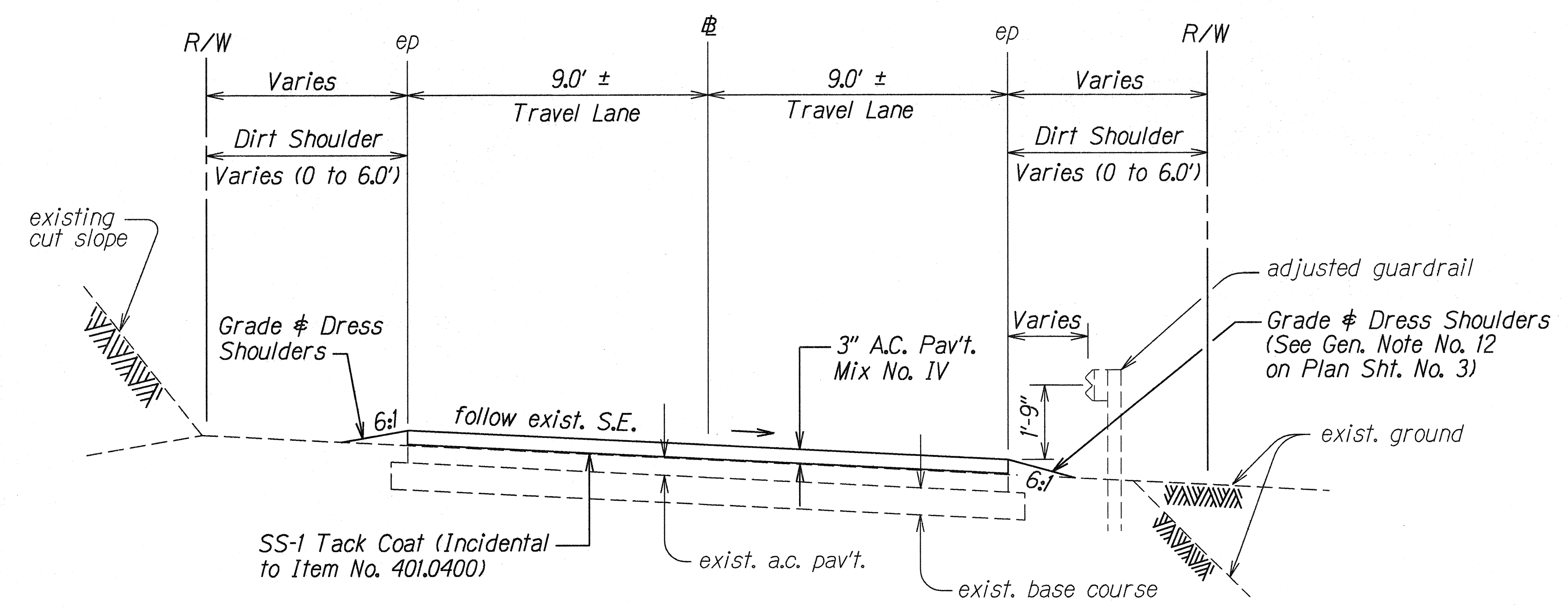
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-01-00M	2000	4	27



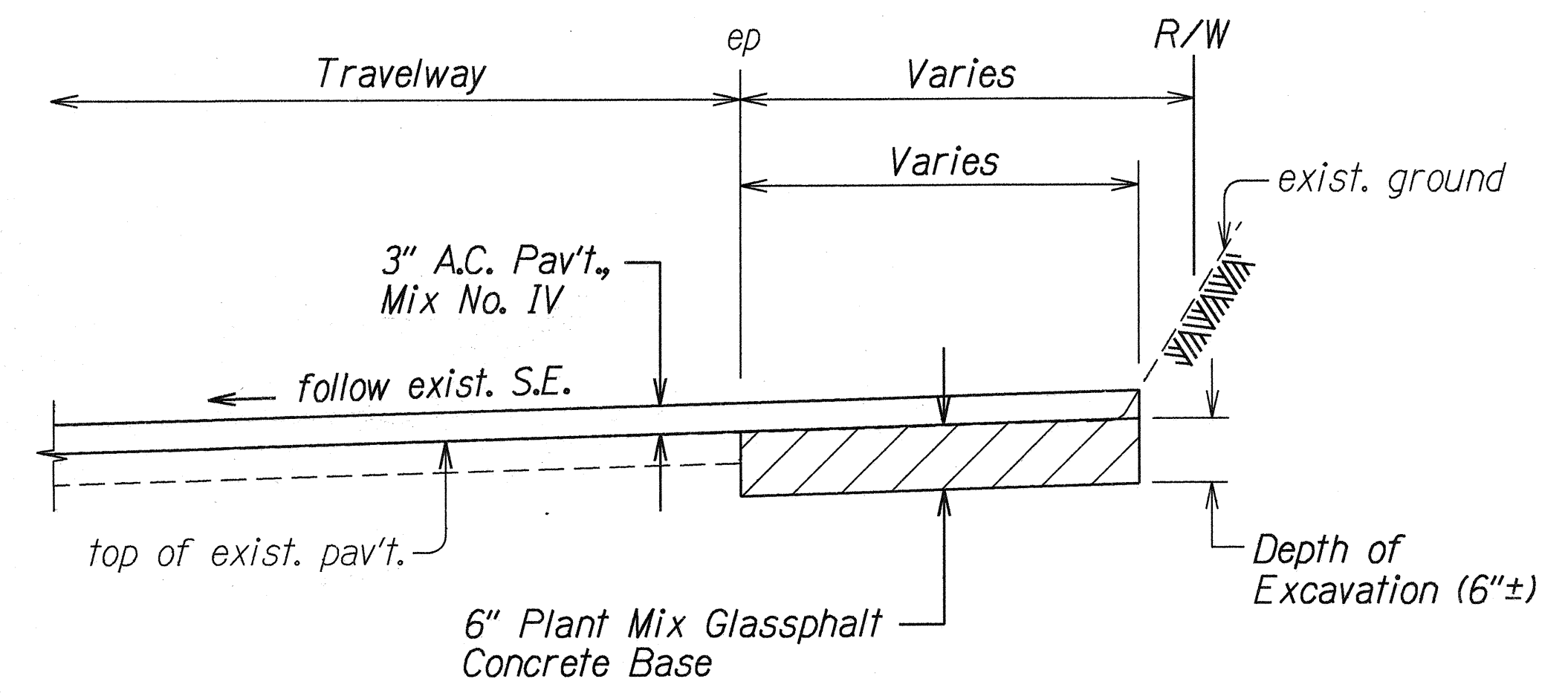
**TANGENT SECTION**  
Scale:  $\frac{3}{8}" = 1'-0"$



**A.C. PAVEMENT RECONSTRUCTION DETAIL**  
Not to Scale



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



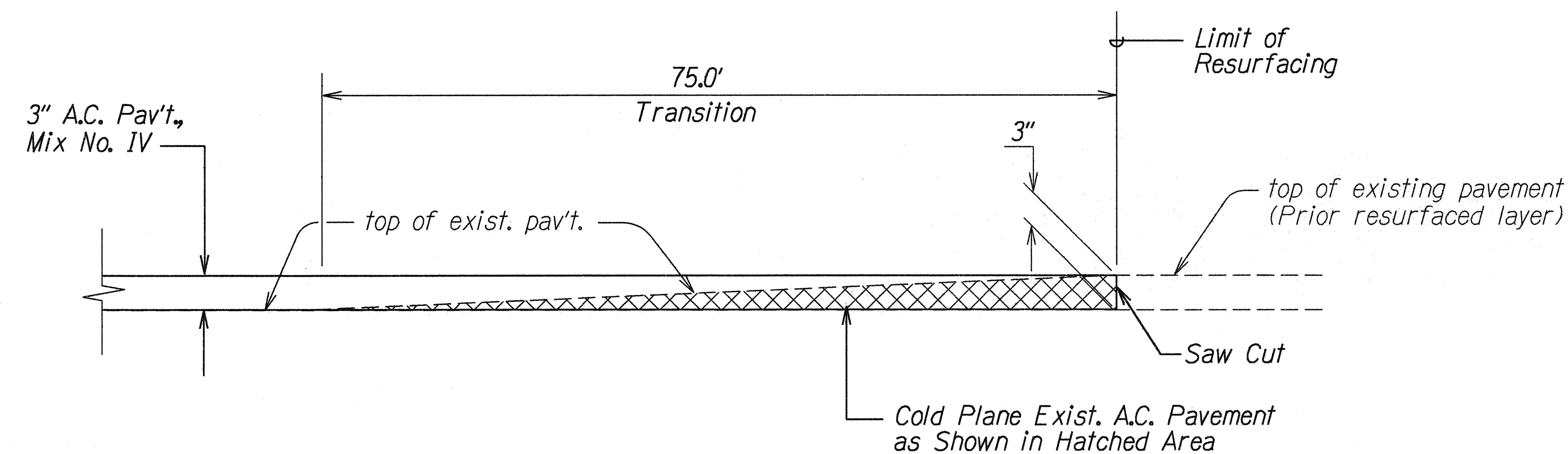
**SHOULDER CONSTRUCTION AT LOOKOUT AREA**  
STA. 156+00± TO STA. 156+50±  
Not to Scale

DATE: 2-08-99  
SURVEY PLOTTED BY: R. A. 1000  
DRAWN BY: R. A. 1000  
NOTE BOOK: 1000  
DESIGNED BY: R. A. 1000  
CHECKED BY: R. A. 1000  
1000/1000/1000

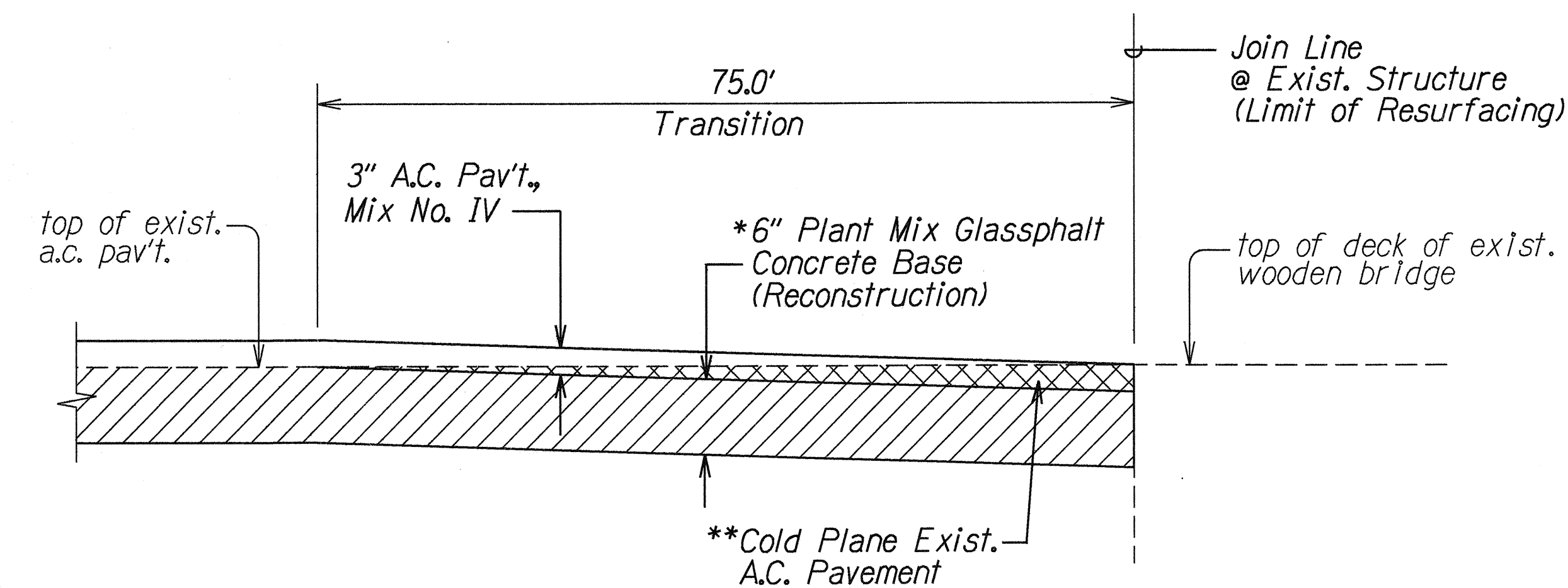
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS**  
**KUHIO HIGHWAY RESURFACING**  
**Vicinity of Lumahai Bridge to Alealea Road**  
**Project No. 560A-01-00M**  
Scale : As Shown      Date: December, 1999  
SHEET No. 1 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-01-00M	2000	5	27



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

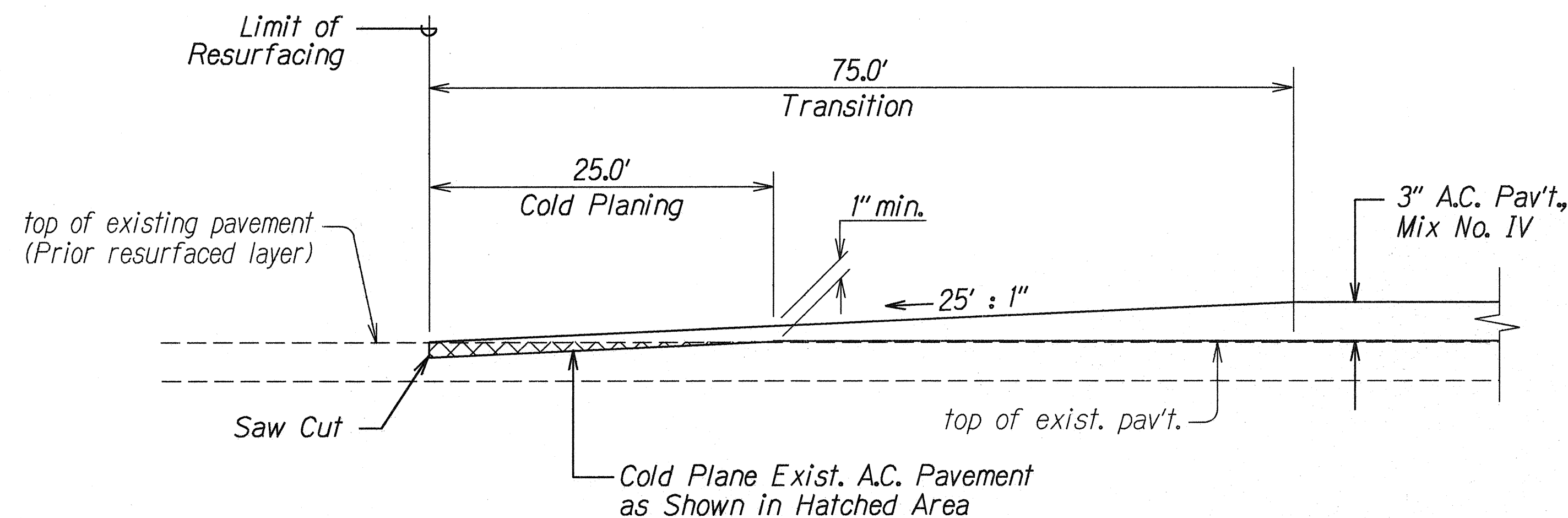


**TRANSITION AT WOODEN STRUCTURE**  
Not to Scale

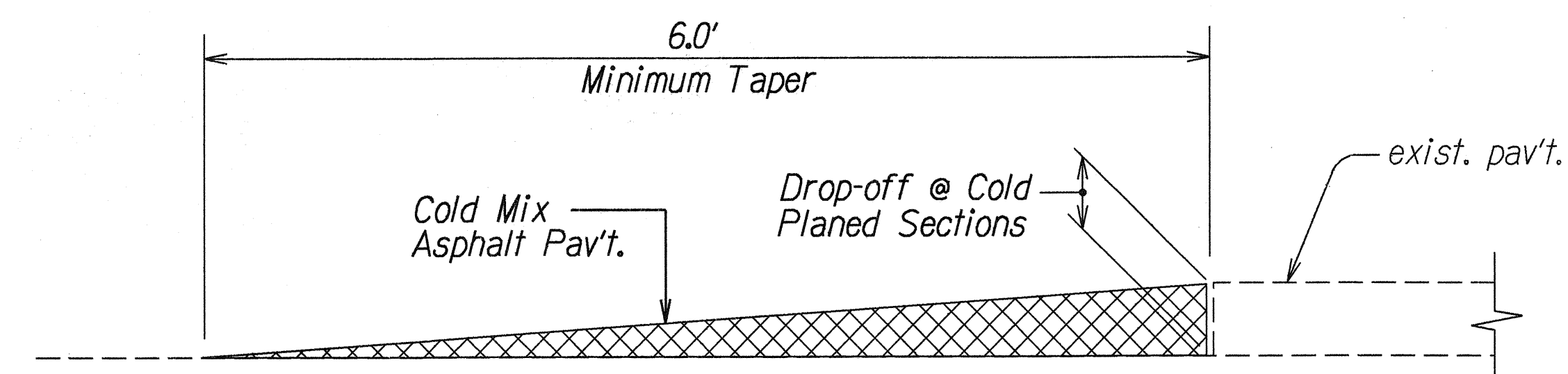
\*When reconstruction is not shown or noted on the plans, delete detail for reconstruction of weakened pavement area. Work involves cold planing and resurfacing only.

At reconstruction areas, cold planing is not required.

\*\*The pavement section between Wainiha Bridge No. 2 and Bridge No. 3 shall be cold planed and resurfaced as noted in Plan Sht. No. 13. Transition and reconstruction not required.

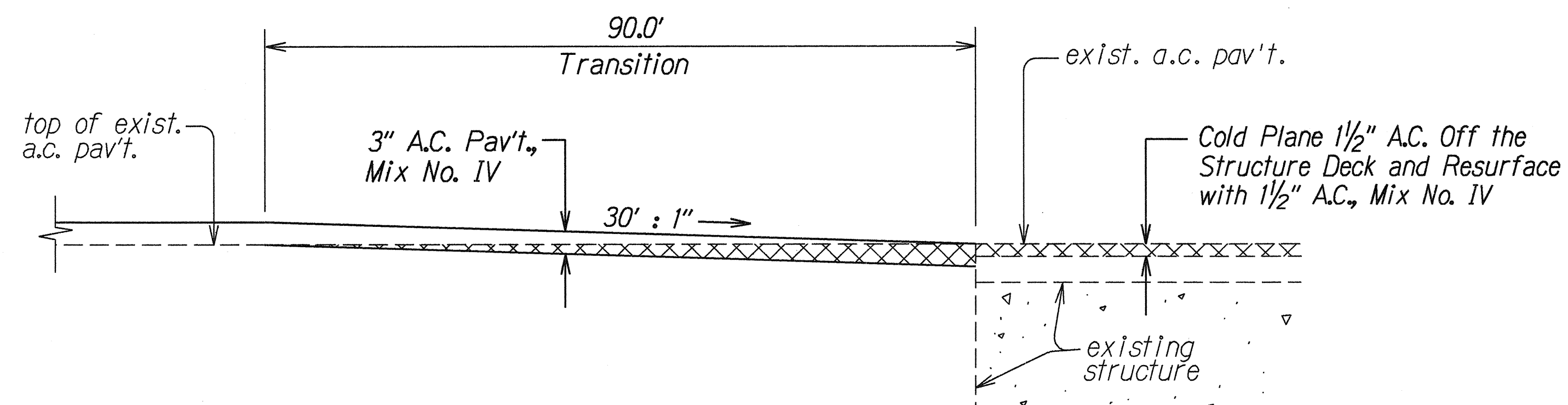


**COLD PLANED TRANSITION TO EXISTING A.C. PAVEMENT  
AT END OF PROJECT**  
Not To Scale



**TEMPORARY TRANSITION AT  
COLD PLANED AREAS**  
Not to Scale

**Note:** 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.



**TRANSITION AT HAENA STRUCTURE #1**  
Not to Scale

ORIGINAL PLAN	DATE	2-08-99
SURVEY PLOTTED BY		
DRAWN BY		
DESIGNED BY		
CHECKED BY		
NOTED BY		
APPROVED BY		

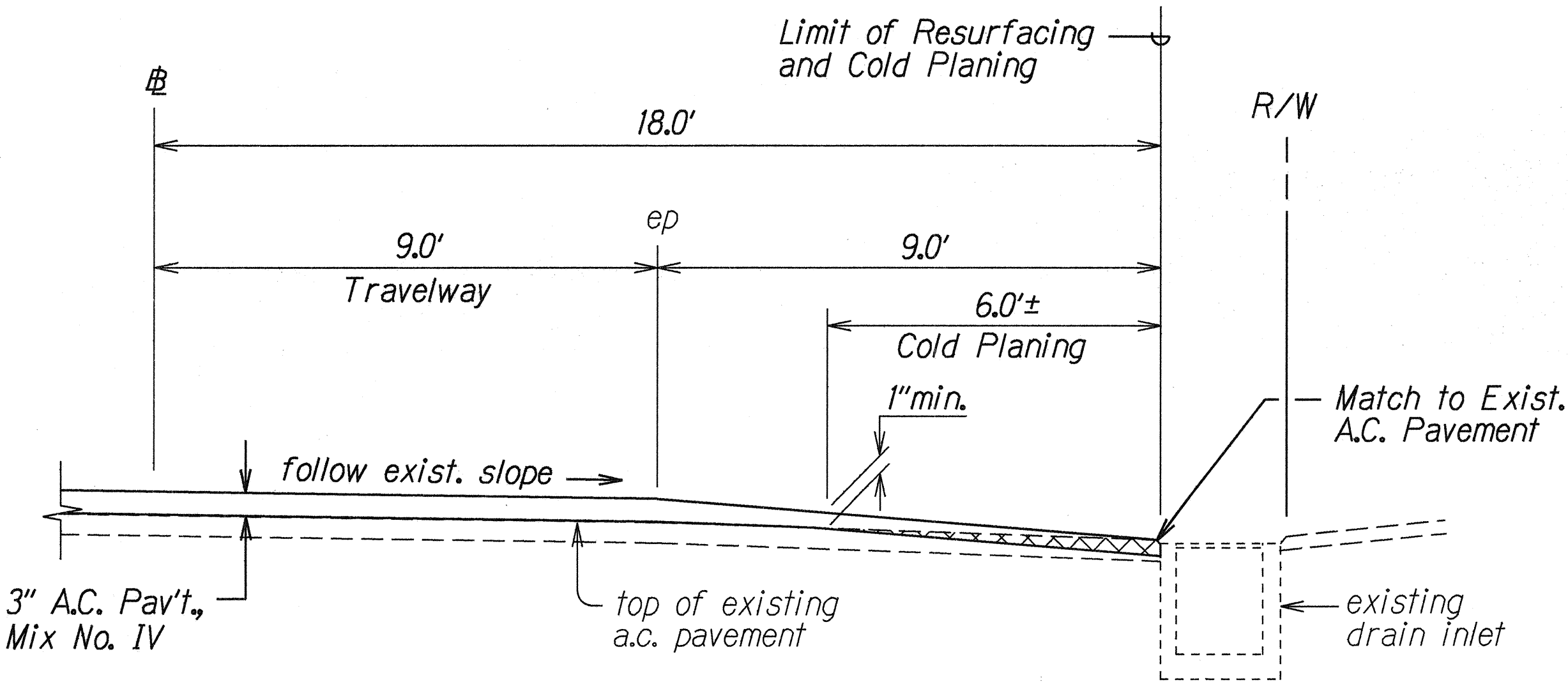
adlanaka/kauai

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

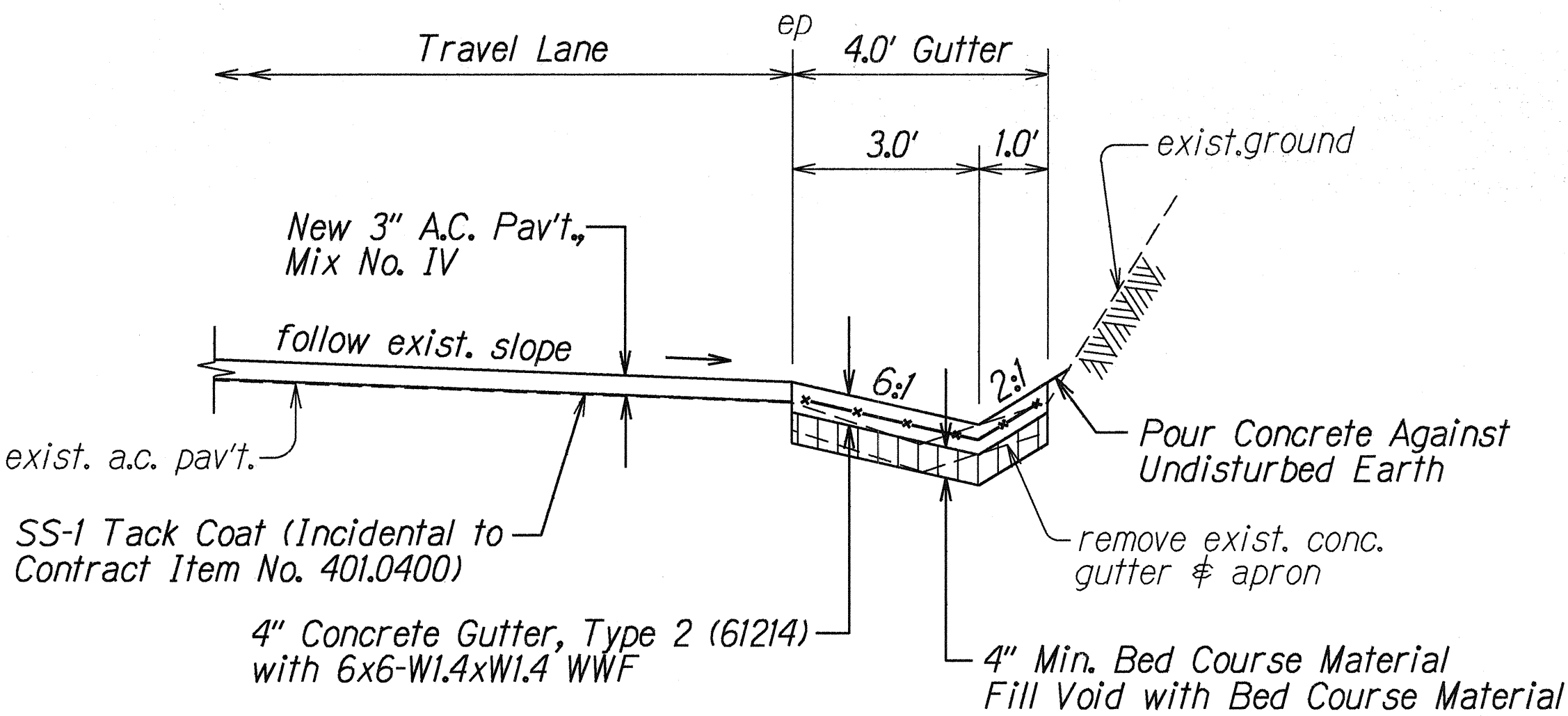
**TYPICAL SECTIONS**  
**KUHIO HIGHWAY RESURFACING**  
Vicinity of Lumahai Bridge to Alealea Road  
Project No. 560A-01-00M  
Scale: As Shown      Date: December, 1999  
SHEET No. 2 OF 5 SHEETS



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-01-00M	2000	6	27



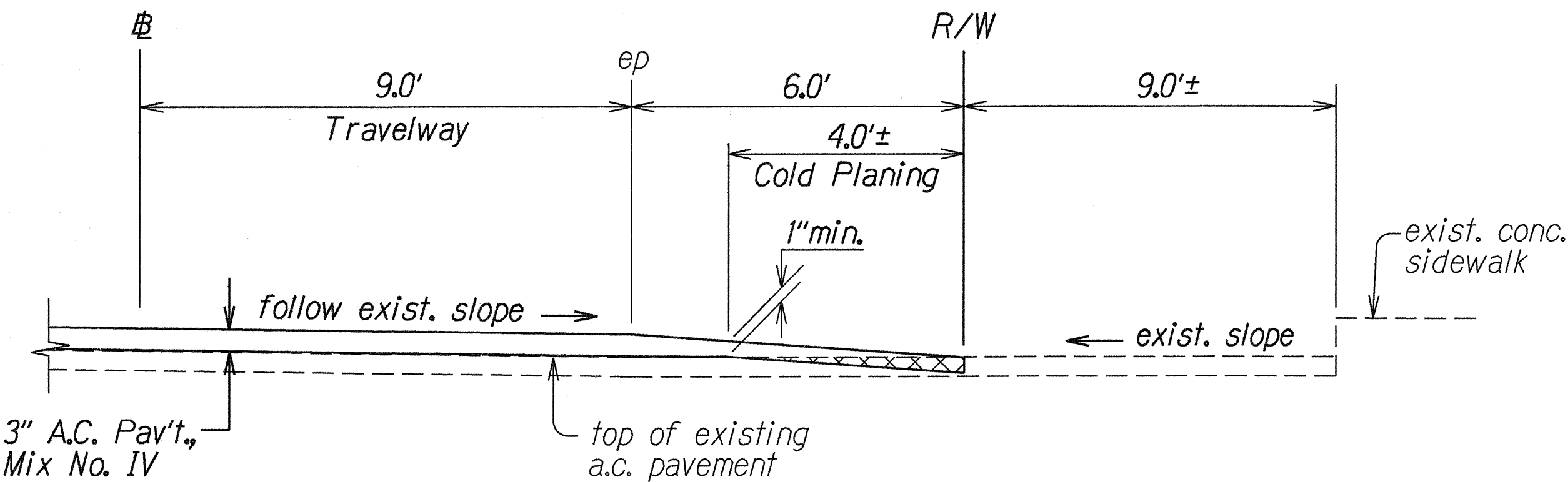
A. C. RESURFACING AT KUHIO HIGHWAY-  
POWERHOUSE ROAD INTERSECTION  
Not To Scale



A. C. RESURFACING AT STA. 192+70± TO STA. 194+20± o/s Rt.  
Not to Scale

NOTES:

1. Removing and disposing of existing concrete gutter and apron shall be paid under Contract Item No. 202.0100 - Removal of Concrete Gutter.
2. Pouring concrete against undisturbed earth shall be considered incidental to Contract Item No. 609.2214 - Gutter, Type 2 (61214).
3. Bed Course material for concrete gutter shall be considered incidental to Contract Item No. 609.2214 - Gutter, Type 2 (61214).



A. C. RESURFACING AT STA. 185+00± TO STA. 186+10± o/s Rt.  
Not To Scale

NOTES FOR PORTABLE PHYSICAL BARRIERS:

1. Installation of portable concrete barriers shall conform to Manufacturer's recommendations.
2. Physical barriers shall be required whenever guardrails have been removed and will not be reinstalled at the end of the work day. See General Note No. 21 on Plan Sht. No. 3.
3. Physical barriers shall be either portable concrete barriers or portable water-filled barriers. Installation of portable water-filled barriers shall conform to Manufacturer's recommendations as dictated by design speed and field conditions.
4. Providing, transporting, placing, maintaining, relocating and removing physical barriers shall be considered incidental to the various items of work. See Section 645, TRAFFIC CONTROL DEVICES of the Special Provisions.
5. Ends of portable barriers shall be protected with Inertial Barriers. Installation of inertial barriers shall conform to Manufacturer's recommendations and approved by the Engineer. Furnishing and installing inertial barriers shall be considered incidental to the various contract items.
6. Furnishing and installing reflector markers (RM-3) over the portable barriers shall be considered incidental to the various contract items.

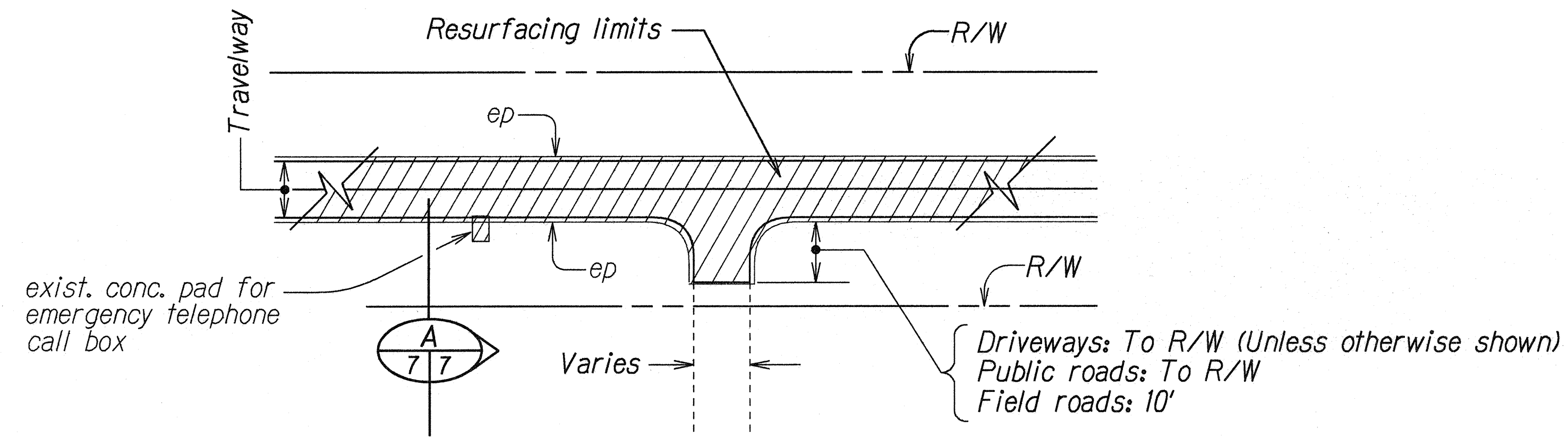
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	2-08-99
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
APPROVED BY	

adlonaka/kaul

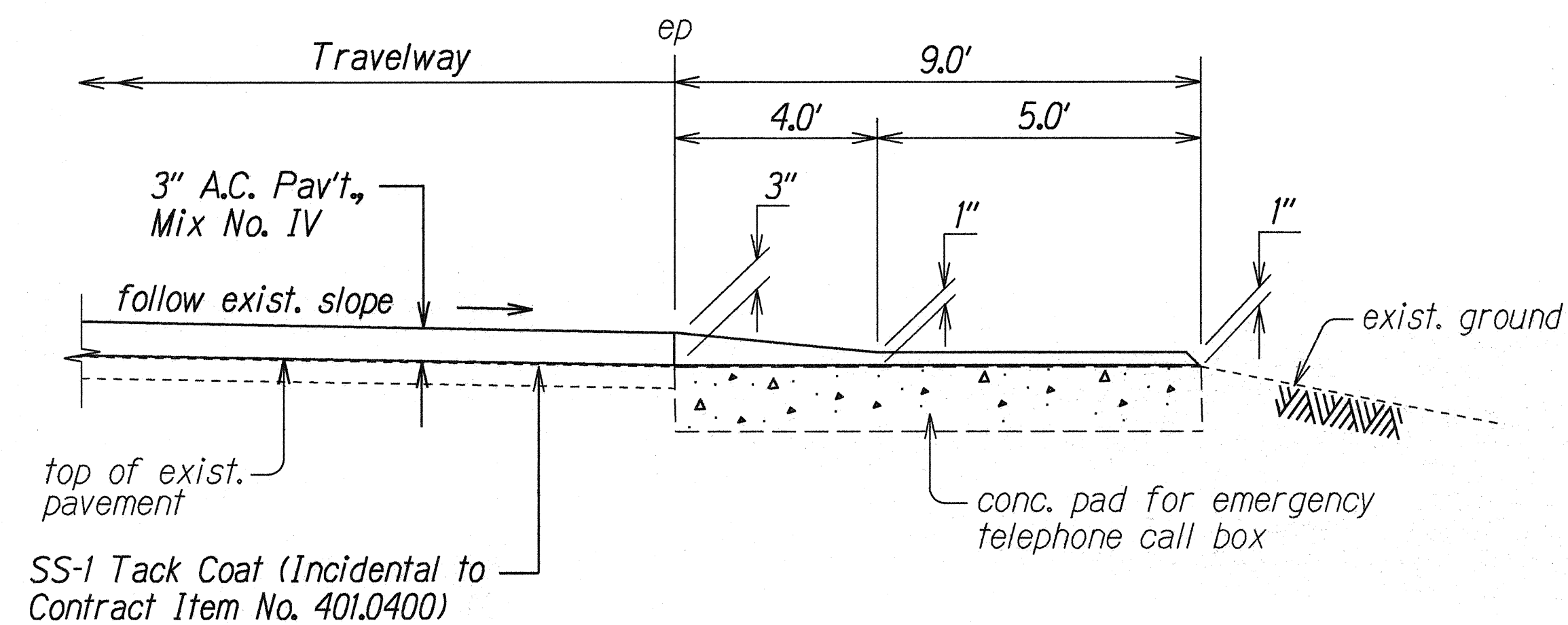
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS**  
KUHIO HIGHWAY RESURFACING  
Vicinity of Lumahai Bridge to Alealea Road  
Project No. 560A-01-00M  
Scale: As Shown Date: December, 1999  
SHEET No. 3 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-01-00M	2000	7	27

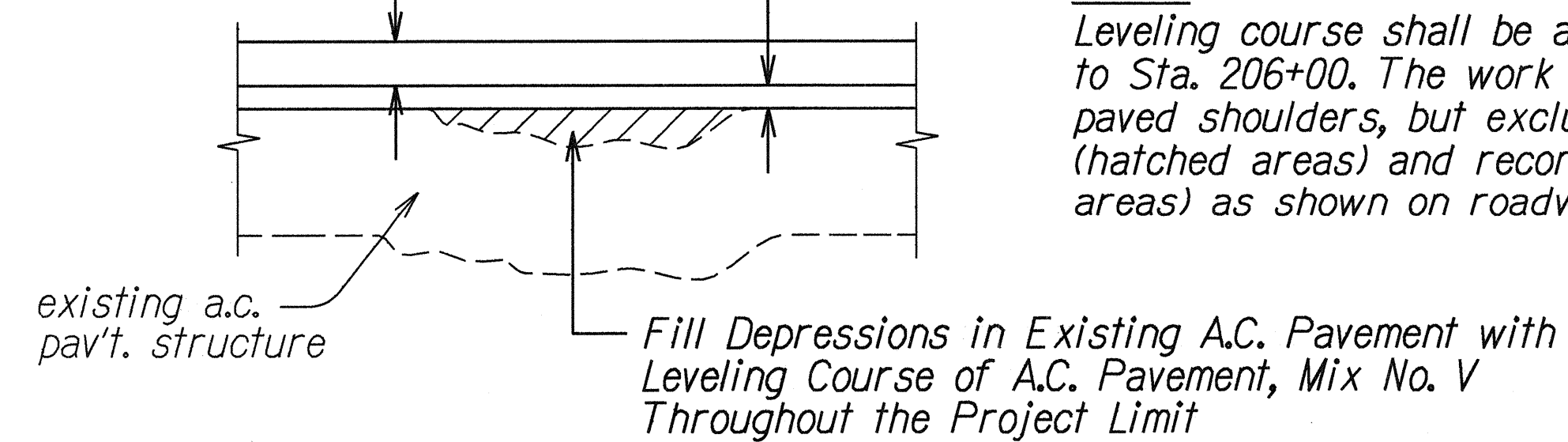


**PLAN**  
**TYPICAL RESURFACING LIMITS**  
Not To Scale

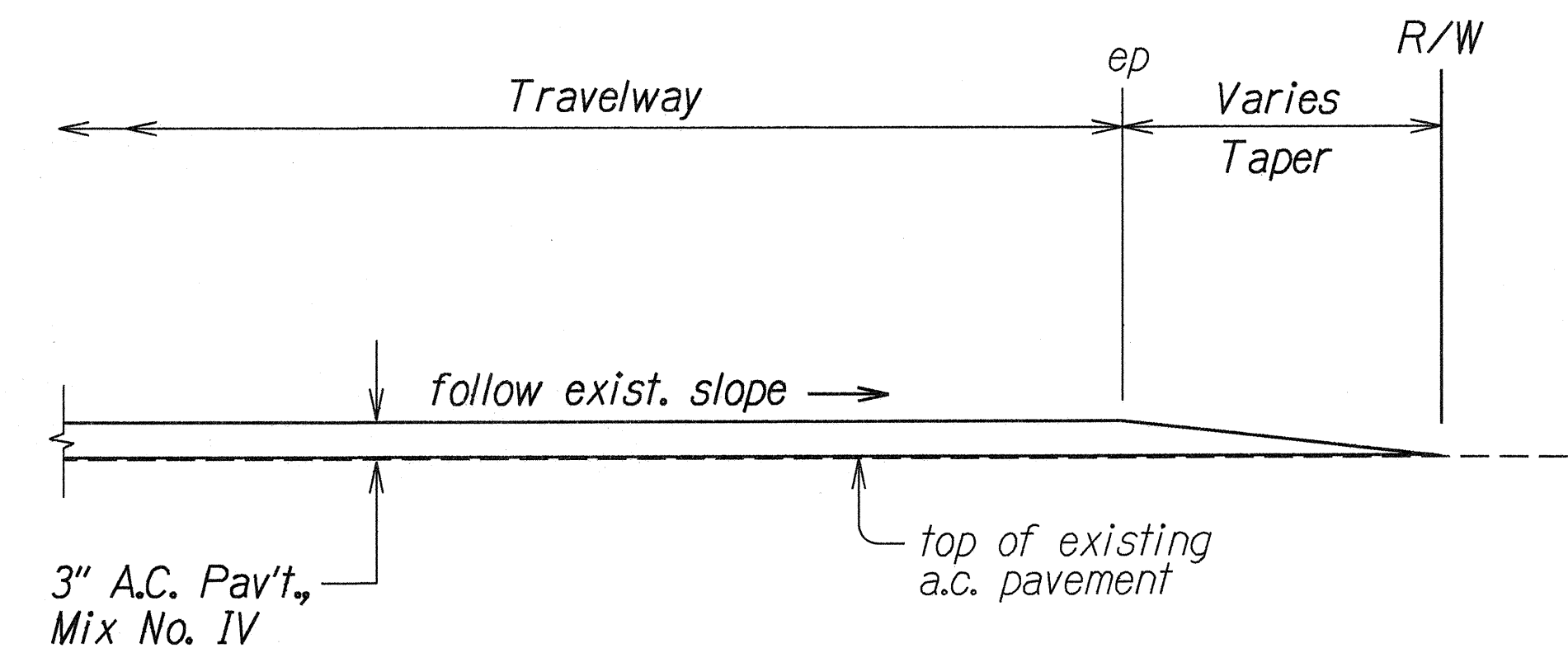


**SECTION**  
Not to Scale

2 1/4" A.C. Pav't., Mix No. IV  
3/4" A.C. Leveling Course, Mix No. V (See Note Below)

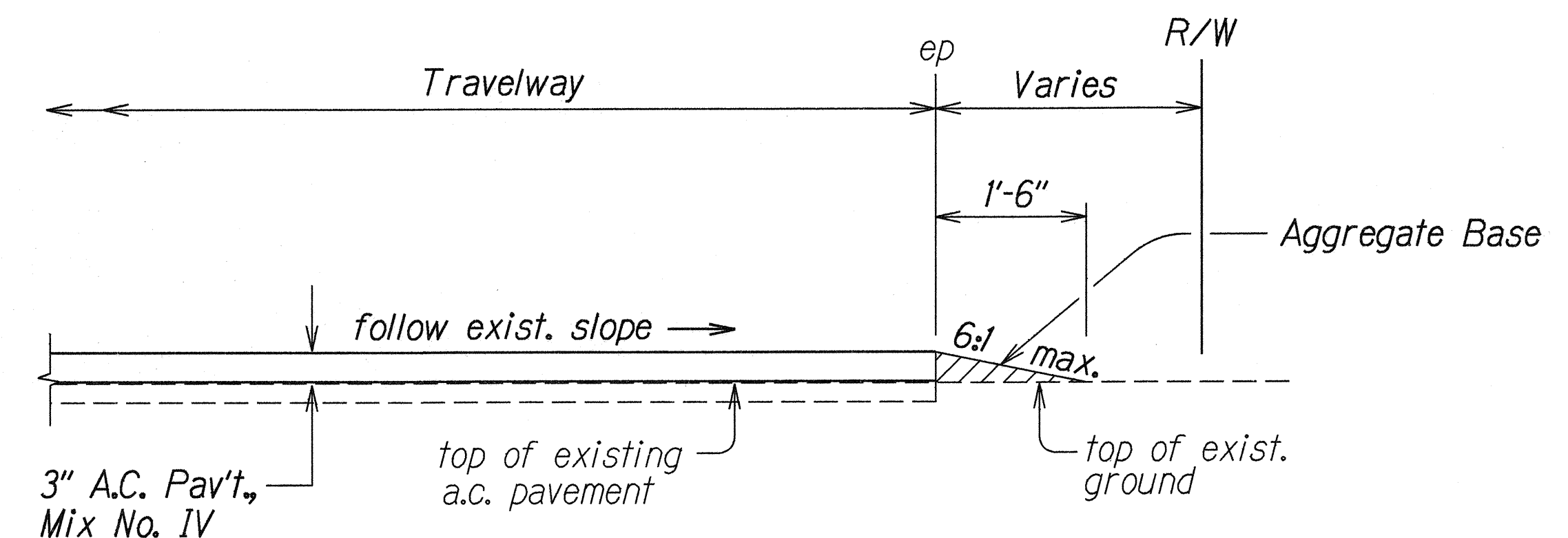


**LEVELING COURSE DETAIL**  
Not To Scale



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

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



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

**NOTE:** Aggregate Base Course for unpaved sideroads and driveways shall not be paid for separately, but shall be considered incidental to Contract Item No. 401.0400 - Asphalt Concrete Pavement, Mix No. IV.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	2/04/99
QUANTITIES BY	CHECKED BY	

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
<b>TYPICAL SECTIONS</b>
KUHIO HIGHWAY RESURFACING Vicinity of Lumahai Bridge to Alealea Road Project No. 560A-01-00M
Scale: As Shown Date: December, 1999
SHEET No. 4 OF 5 SHEETS



