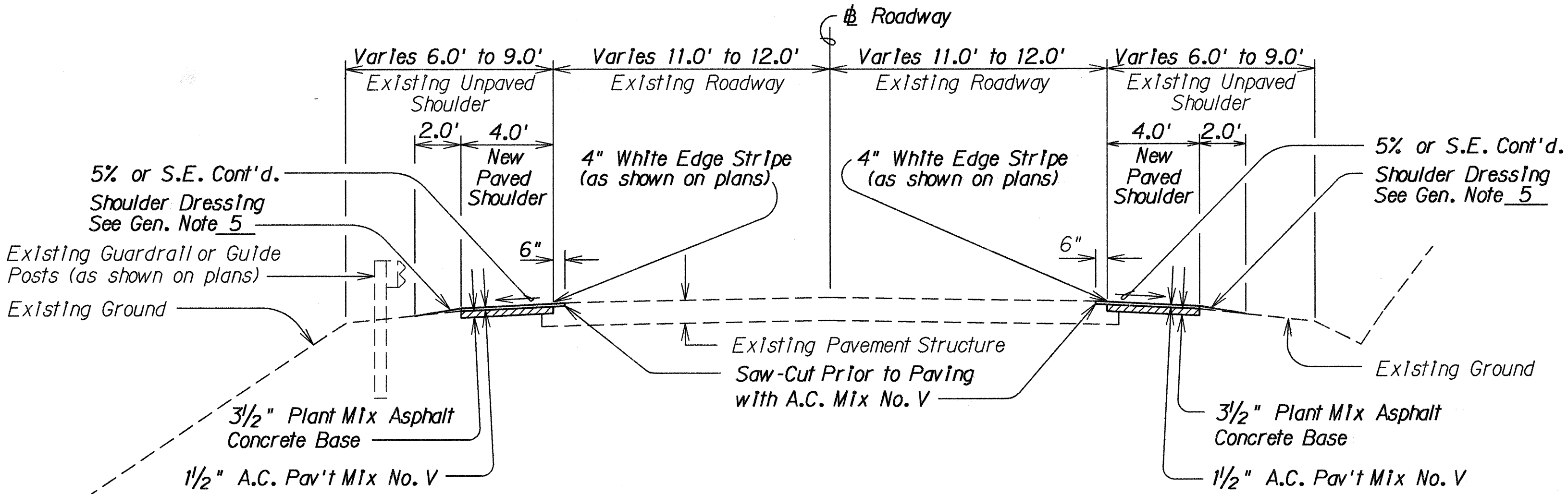


GENERAL NOTES:

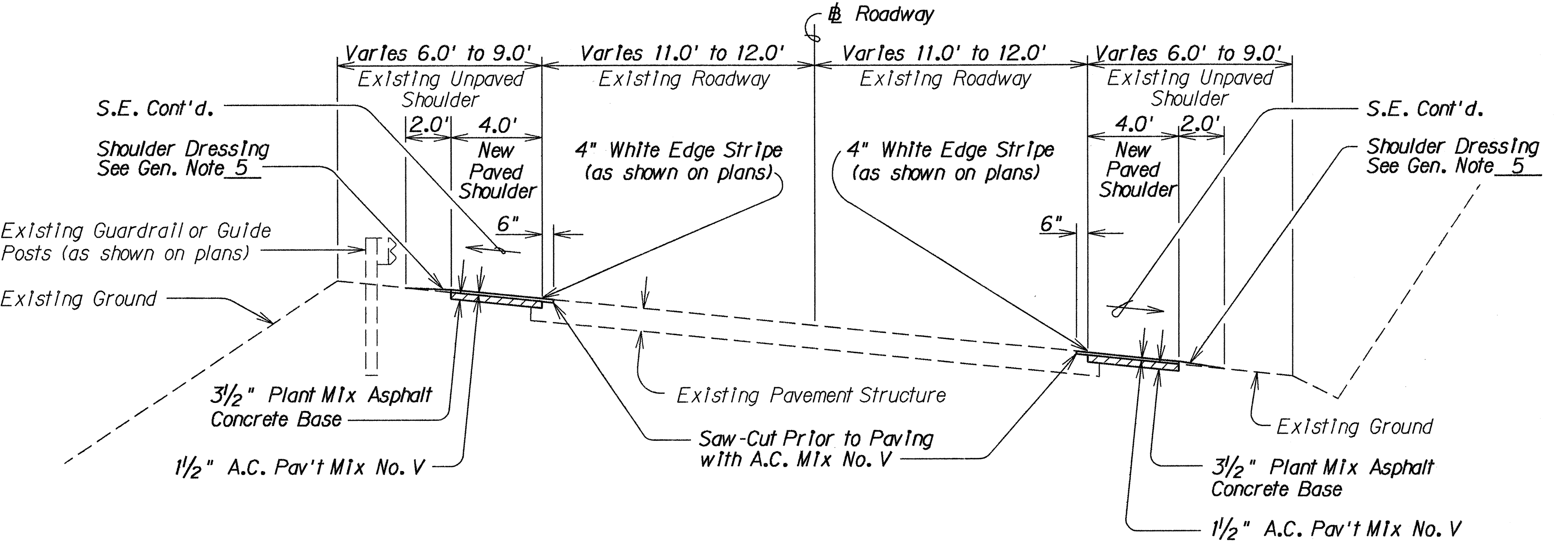
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	460A-01-91M	1991	3	31

1. The Project begins on Kepuhl Road (Road to Sheraton) at M.P. 14.94 on Maunaloa Highway, towards Kaunakakai, ending on Keonelele Avenue at M.P. 6.68. Improvements consists of constructing paved shoulders, concrete gutters and concrete channels; resurfacing; installing pavement markers and edge striping relocating existing guardrail and removal of guide posts.
2. The Contractors attention is directed to Sub-Sections 104.04 Maintenance of Traffic, 107.13 Public Convenience and Safety, 107.21 Contractors Responsibility for Utility Property and Services, Section 645 Traffic Control of the Standard Specifications and the Special Provisions.
3. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data, but the accuracy is not guaranteed. The encountering of other obstacles during the course of the work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
4. Saw-cutting of existing pavement shall not be measured or paid for separately but shall be considered incidental to Item No.421.0010-Paved Shoulder.
5. Dressed shoulders shall consist of cleaning, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable excavation material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
6. The Contractor shall notify the State, in writing, two weeks prior to starting paving operations.
7. All construction signs shall be left in place until all construction items have been completed. Contractor shall obtain prior approval from the Engineer to remove construction signs.
8. Smooth riding connections shall be constructed at the beginning and end of the project, and at all connecting approaches as directed by the Engineer. This work shall be considered incidental to Item No. 421.0010-Paved Shoulder.
9. The contractor shall construct shoulder only one side at a time.
10. The Contractor shall not leave more than 1 1/2" drop-off at the edge of pavement, at the end of each work day. Whenever the Contractor leaves a 1 1/2" drop-off, the Contractor shall install delineators at 80 feet on center along the edge of the pavement. This work, which includes furnishing, installing, cleaning, maintaining correct placement and removing when required, shall be considered incidental to Item NO. 421.0010-Paved Shoulder.
11. All existing concrete guide posts and wooden guardrail on concrete posts removed shall remain the property of the state. The work necessary in removing and salvaging shall include hauling to and stockpiling of existing concrete guide posts and wooden guardrails at the Molokai Baseyard as directed by the Engineer. This work shall be measured and paid for under Item No. 202.0410-Removal of Concrete Guide Posts and Item 202.0420-Removal of Wooden Guardrail on Concrete Posts respectively.
12. All depressions and holes resulting from the removal of existing concrete posts shall be properly backfilled and compacted. Payment for this work shall be considered incidental to Item No. 202.0410-Removal of Concrete Guide Posts and Item No. 202.0420-Removal of Wooden Guardrail on Concrete Posts respectively.
13. All excavated materials not suitable for shoulder dressing shall remain the property of the State for maintenance work and shall be hauled and stockpiled as directed by the Engineer. This work shall be measured and be considered incidental to Item No. 421.0100-Paved Shoulder.



TYPICAL SECTION ON TANGENT

Scale: 1/4" = 1' - 0"

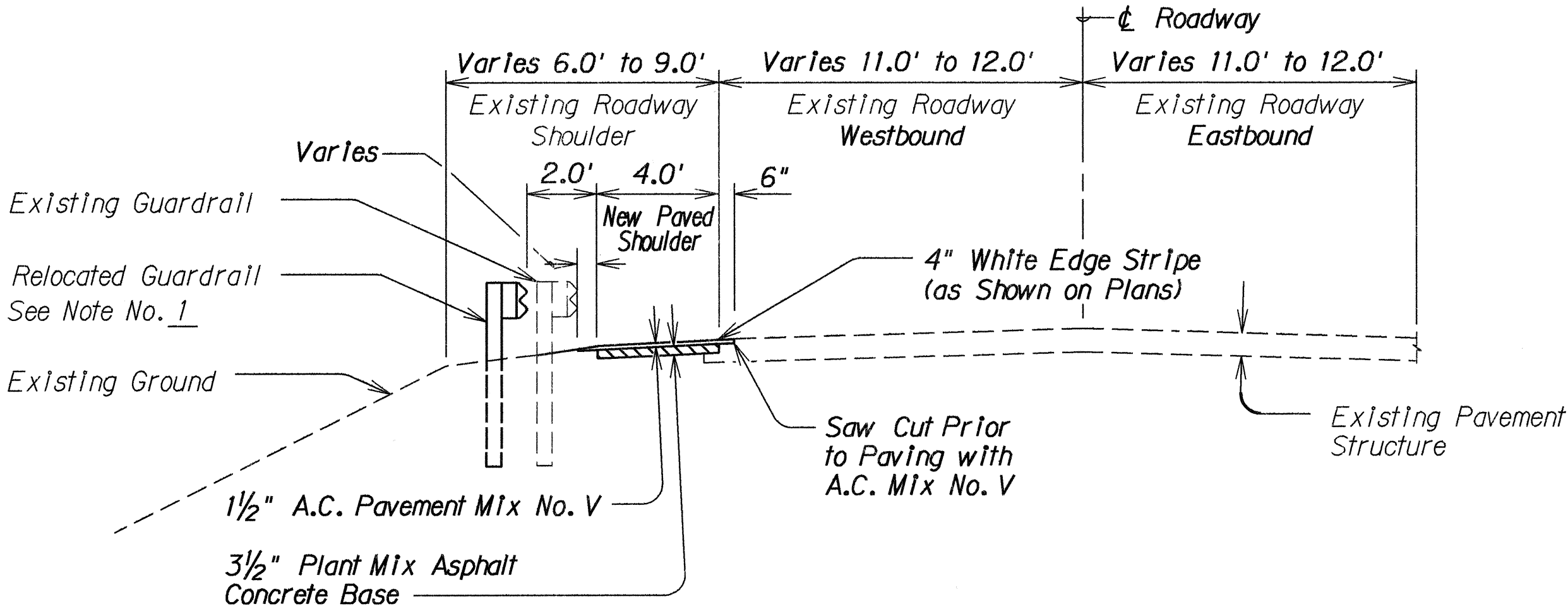


TYPICAL SECTION ON CURVE

Scale: 1/4" = 1' - 0"

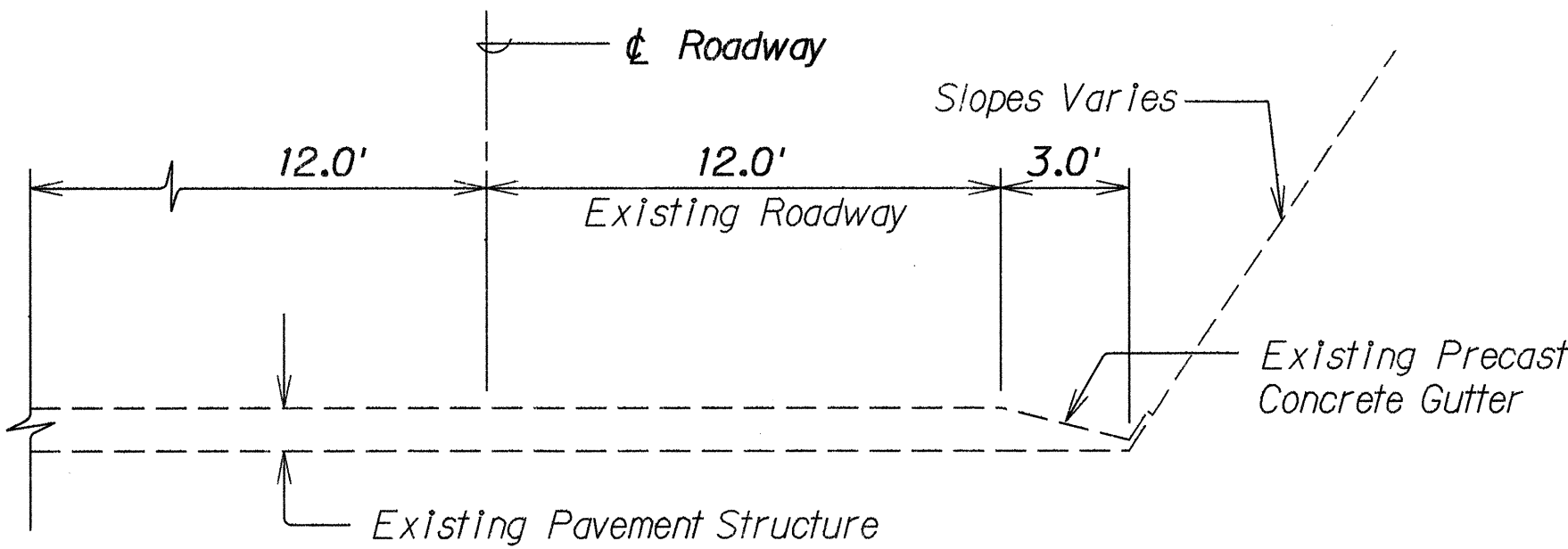
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**GENERAL NOTES AND
TYPICAL SECTION**
MAUNALO A HIGHWAY
Kepuhl Road to Keonelele Avenue
Project No. 460A-01-91M
Scale: As Shown Date: Nov., 1990
SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	460A-01-91M	1991	4	31



TYPICAL GUARDRAIL RELOCATION DETAIL
Scale: 1/4" = 1' - 0"

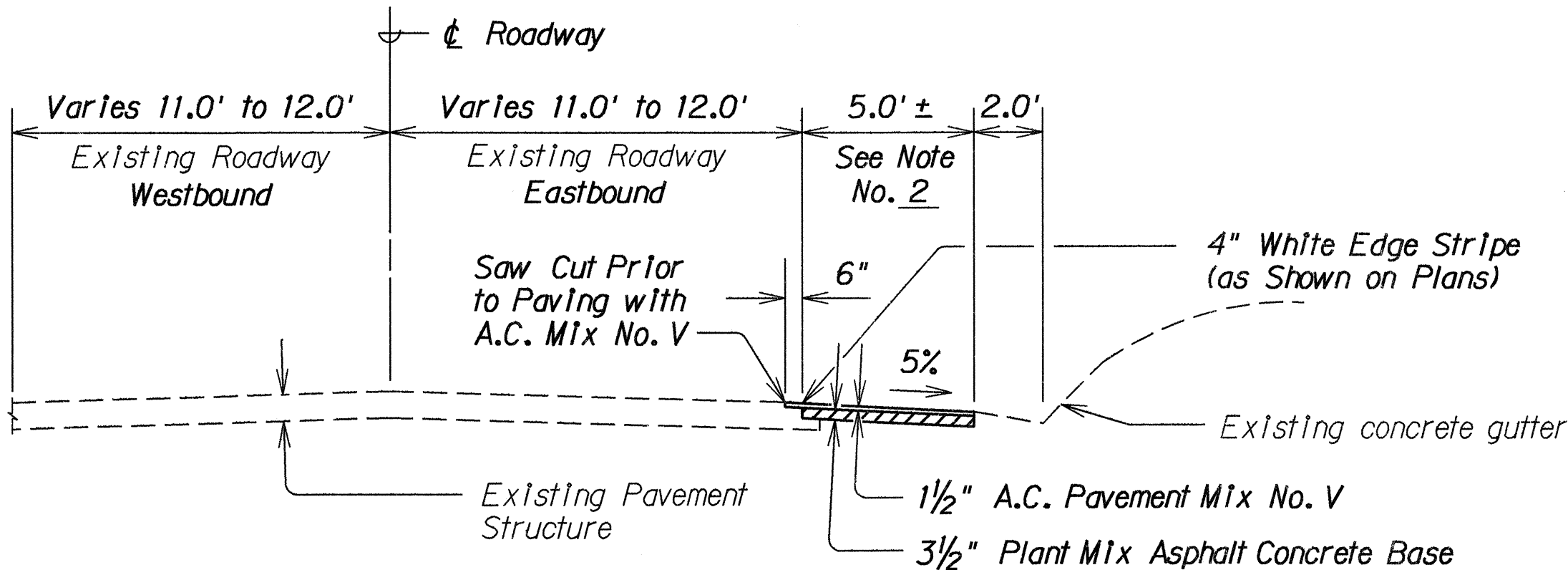
NOTE NO. 1:
Existing guardrails closer than 2 ft. from the new edge of paved shoulder may be relocated at the discretion of the Engineer.



TYPICAL RESTRICTED SECTION
Scale: 1/4" = 1' - 0"

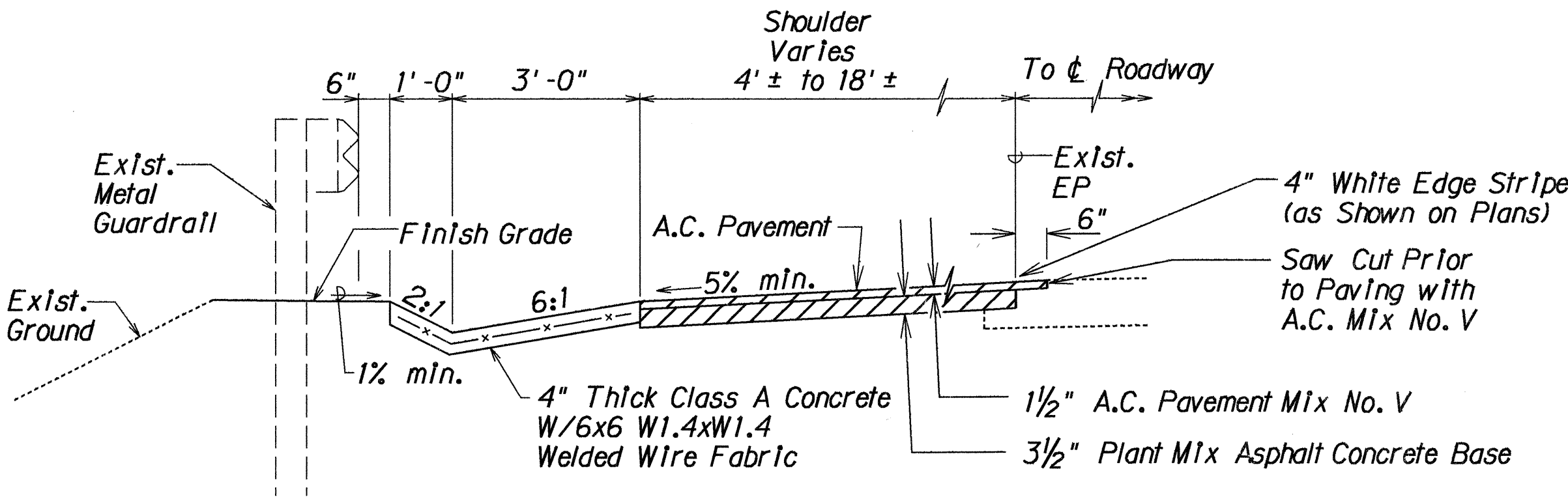
No Shoulder Work on Restricted Sections:
 ± Sta. 229+50 to ± Sta. 235+25, Right Eastbound, Length = 575 Lin. Ft.
 ± Sta. 252+00 to ± Sta. 259+50, Right Eastbound, Length = 750 Lin. Ft.
 ± Sta. 263+75 to ± Sta. 268+00, Left Westbound, Length = 425 Lin. Ft.
Total = 1,750 Lin. Ft.

Relocate Guardrails:
 ± Sta. 250+17 to ± Sta. 251+22, Lt., Length = 105 Lin. Ft.
 ± Sta. 259+50 to ± Sta. 260+60, Rt., Length = 110 Lin. Ft.
 ± Sta. 12+80 to ± Sta. 17+50, Lt., Length = 470 Lin. Ft.
Total = 685 Lin. Ft.



RIGHT SHOULDER DETAIL
± Sta. 275+50 to ± Sta. 319+00
Right Eastbound (3,059 Lin. Ft.)
Scale: 1/4" = 1' - 0"

NOTE NO. 2:
Contractor to pave up to edge of existing concrete gutter.



LEFT SHOULDER DETAIL
± Sta. 184+00 to ± Sta. 189+75
Scale: 1/2" = 1' - 0"

LEGEND FOR AS-BUILT POSTINGS	
	squiggly line for as-built deletion
	double line for as-built deletion
Roadway	text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL AND TYPICAL SECTION
MAUNALOA HIGHWAY
Kepuhi Road to Keonelele Avenue
Project No. 460A-01-91M
Scale: As Shown Date: Apr., 1991
SHEET No. 1 OF 1 SHEETS

4

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	