

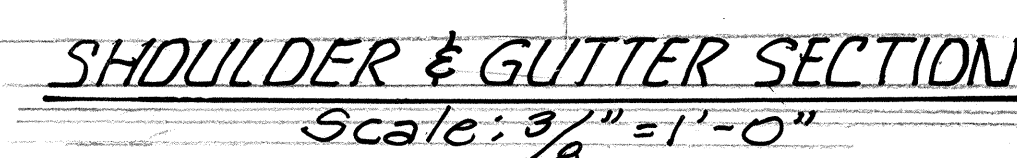
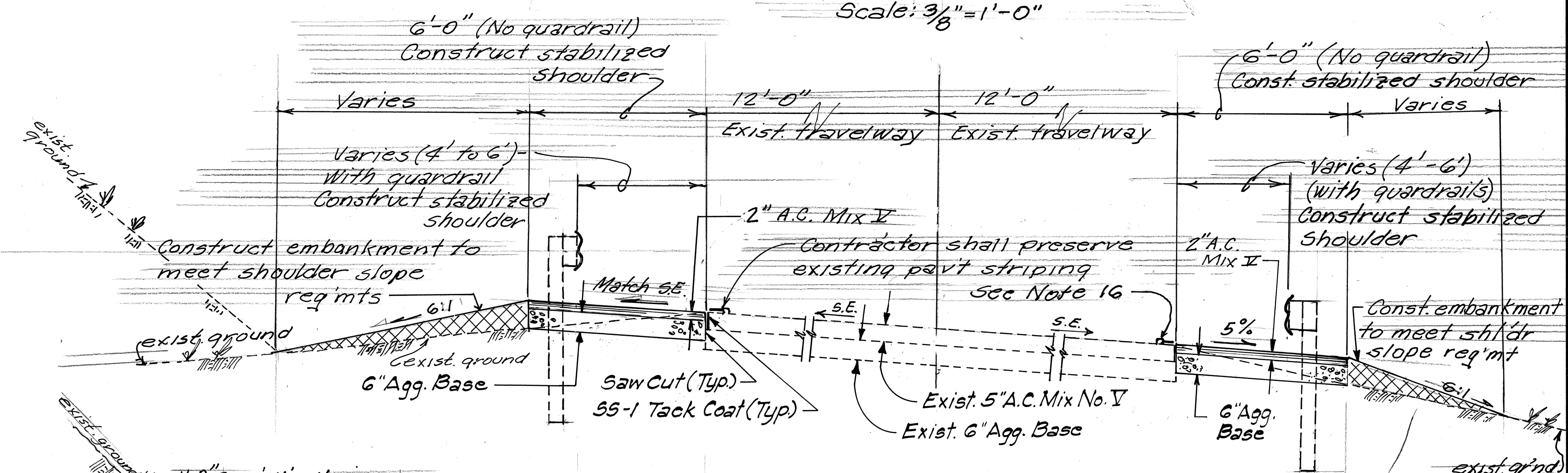
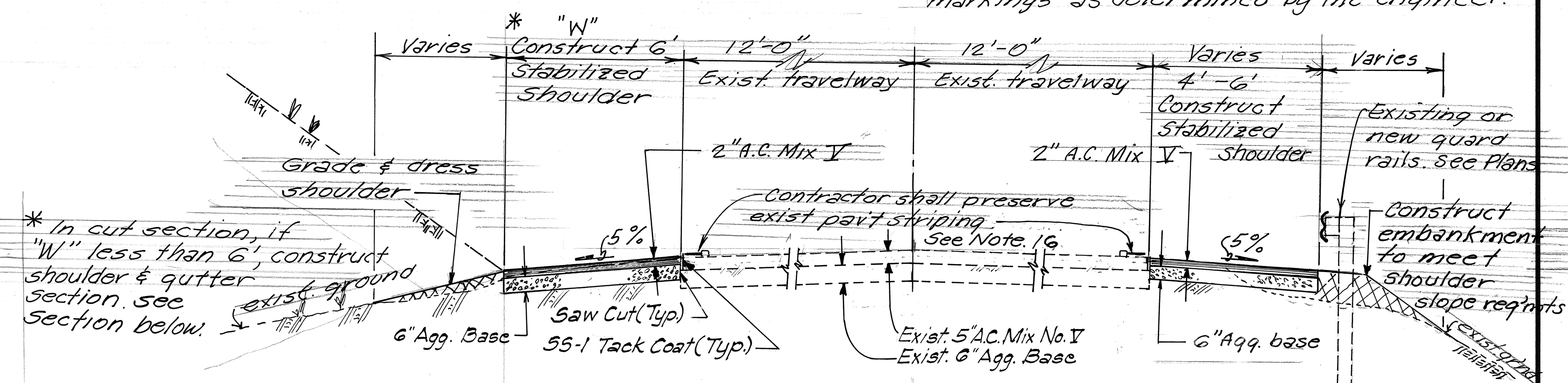
General Notes:

1. Scope of work: The project consist of stabilizing shoulders, removing and installing guardrails and reflector markers, edge pavement striping, trimming and dressing of shoulders, embankment reconstruction and GRP slope protection.
2. All lanes shall be open to traffic during the morning peak hours from 6:00 A.M. to 8:30 A.M. and during the afternoon peak hours from 3:30 P.M. to 6:00 P.M. and during non-work hours. Only one lane of traffic shall be closed to traffic at any other time.
3. Minimum shoulder slope shall be 5%. When super slope is equal to or greater than 5% the shoulder slope shall be the same as the rate of super. This rate applies only to the lower side of the super. On high side, continue super elevation of travelway.
4. Existing shoulders, beyond paved shoulders, shall be trimmed and dressed. Trimming and dressing of shoulders shall include, but is not limited to, clearing, grubbing, back filling, grading and compacting the shoulder area. This work shall not be paid for separately but shall be considered incidental to the various contract items.
5. SS-1 tack coat shall be applied at the longitudinal joint connecting the existing pavement to the new paved shoulder and over areas to be resurfaced. Measurements and Payment for this item shall be considered incidental to "Item No. 401.0500."
6. All embankment construction will not be paid for separately but shall be considered incidental to other items of work.
7. No material or equipment shall be stockpiled or parked within the Highway Right-of-Way except at locations designated by the Engineer.
8. Contractor shall verify all utilities prior to commencement of any construction activities. Any damages incurred to existing utility facilities as a result of his operation shall be repaired and/or replaced immediately in accordance to the Standards and Specifications of the State and/or the affected Utility Company. On any unreasonable delay by the Contractor, the State shall repair said damages and bill the Contractor.
9. For pavement marking restoration, raised pavement marker & reflector marker installations at guardrails, see "Typical Pavement Marking & Raised Pavement Marker Installation Plan on Sht. 9."
10. 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. 202.0420."
11. Removal of existing guardrail prior to installation of guardrail shall be permitted in increments as approved by the Engineer and no open sections of guardrail shall be permitted after daily work ceases. All existing and new guardrail shall be functional during non-working hours.
12. All terminal sections, except B.C.T. lengths, are included in "Item No. 606.3111."
13. Existing ground line indicated is entirely arbitrary and is not intended to represent any specific location.

14. All removed guardrail elements, including hardware, shall become the property of the Contractor. Contractor shall be responsible for disposing of all guardrail & posts. No stockpiling within State R/W will be allowed.
15. The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, to perform with its own organization, work amounting to not less than 50 percent of the total contract cost less deductible amounts allowed. Non-compliance with this subsection shall be grounds for rejection of bid.

16. During his guardrail & shoulder work operations, the Contractor shall take all necessary precautions to preserve all existing edge pavement striping.

All pavement striping damaged by his operations shall be replaced by the Contractor at his own expense. Determination of damaged markings will be made by the Engineer after completion of the guardrail and shoulder work. Contractor shall replace all damaged markings as determined by the Engineer.



Note: Unless otherwise shown elsewhere in the plans, guardrail & shoulder work shall be constructed in accordance with the typical sections shown hereon.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-1(12)	1992	3	9

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GENERAL NOTES & TYPICAL SECTION
GUARDRAIL AND SHOULDER IMPROVEMENTS ROUTE 50 - KAUMUALII HIGHWAY F.A. Proj. No. STP-050-1(12) Scale: As Shown Aug. 1992
SHEET No. 3 OF 9 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	