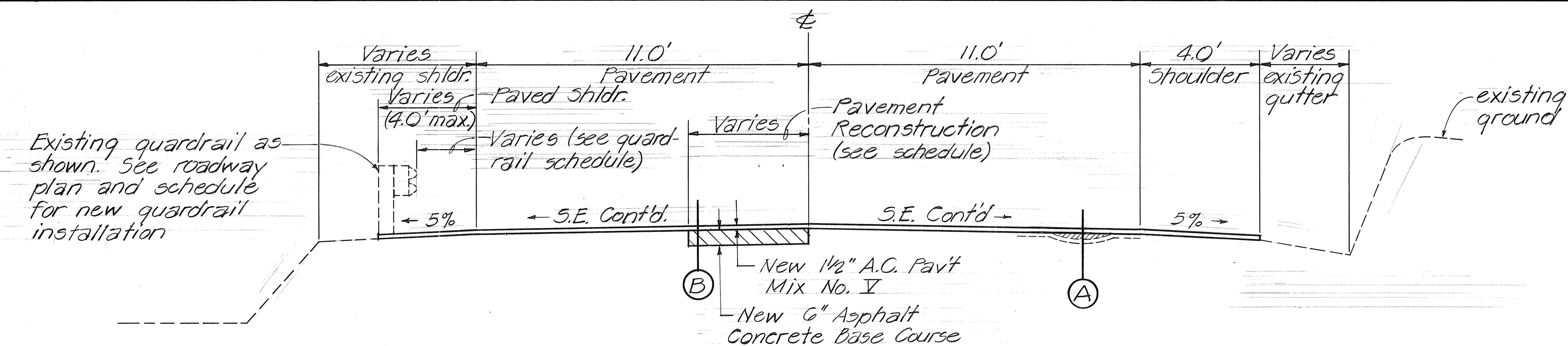
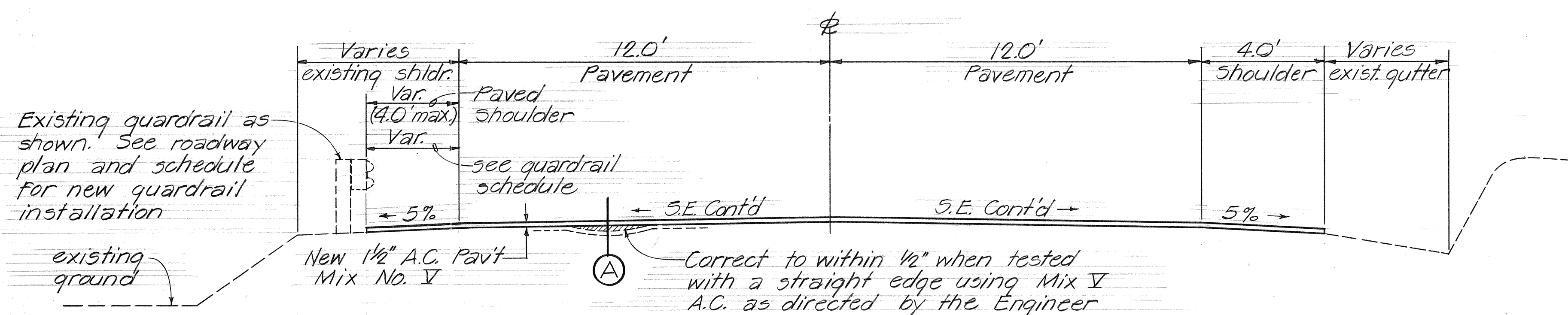


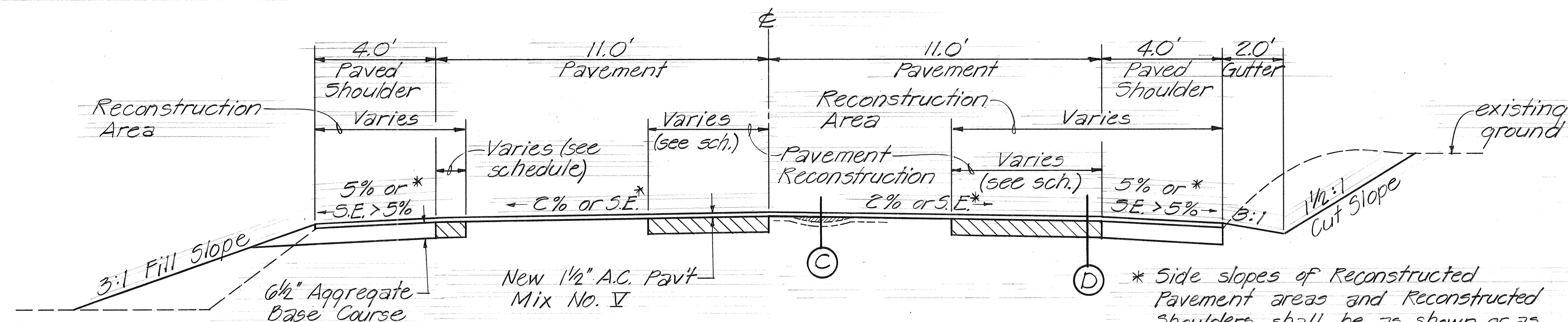
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0190(B)	1987	3	56



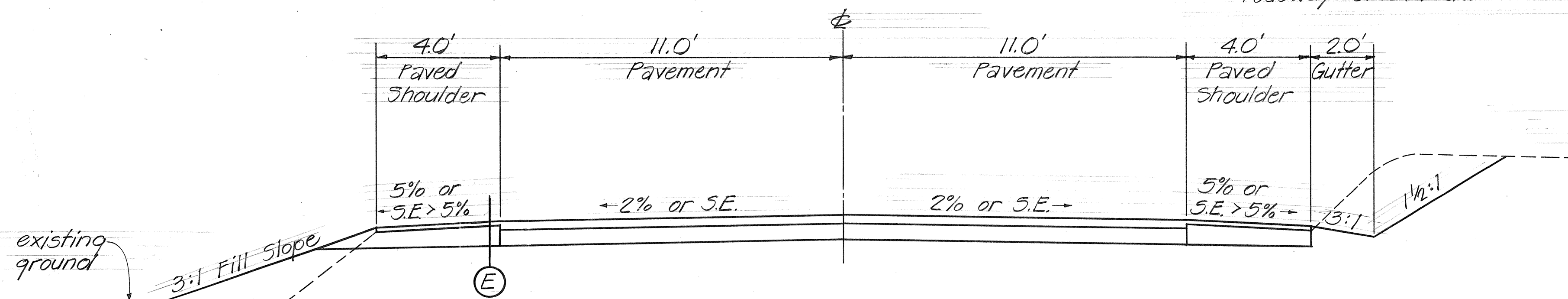
TYPICAL SECTION
STA. 144+00 TO STA. 199+00



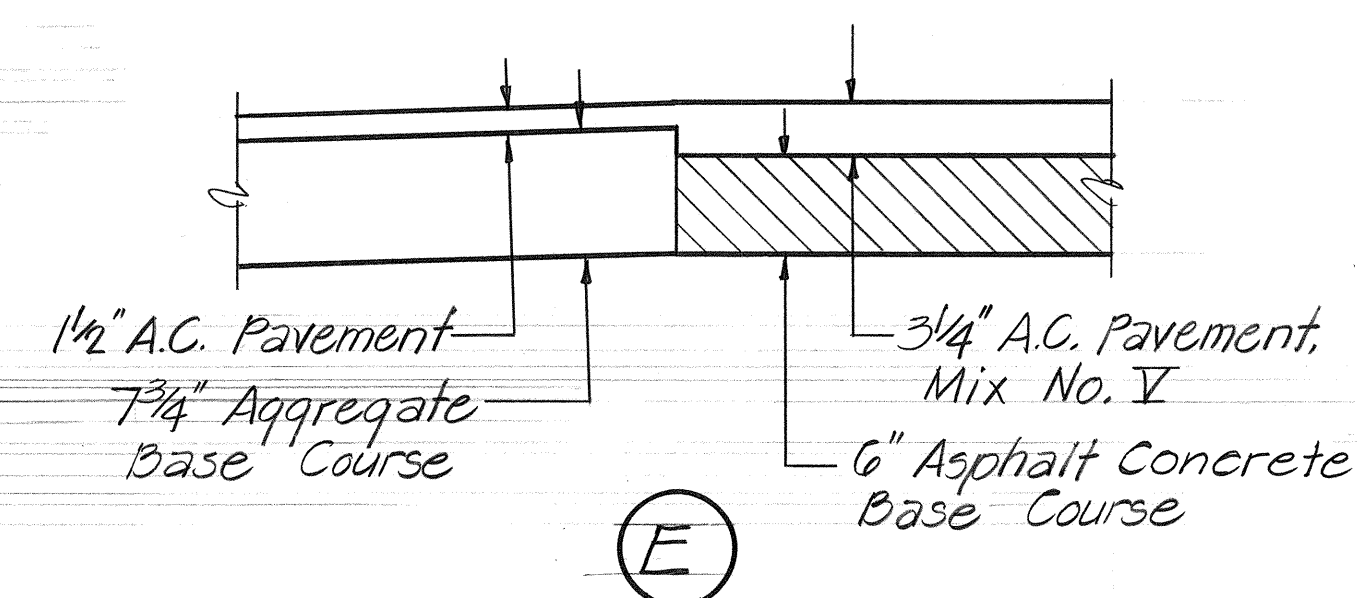
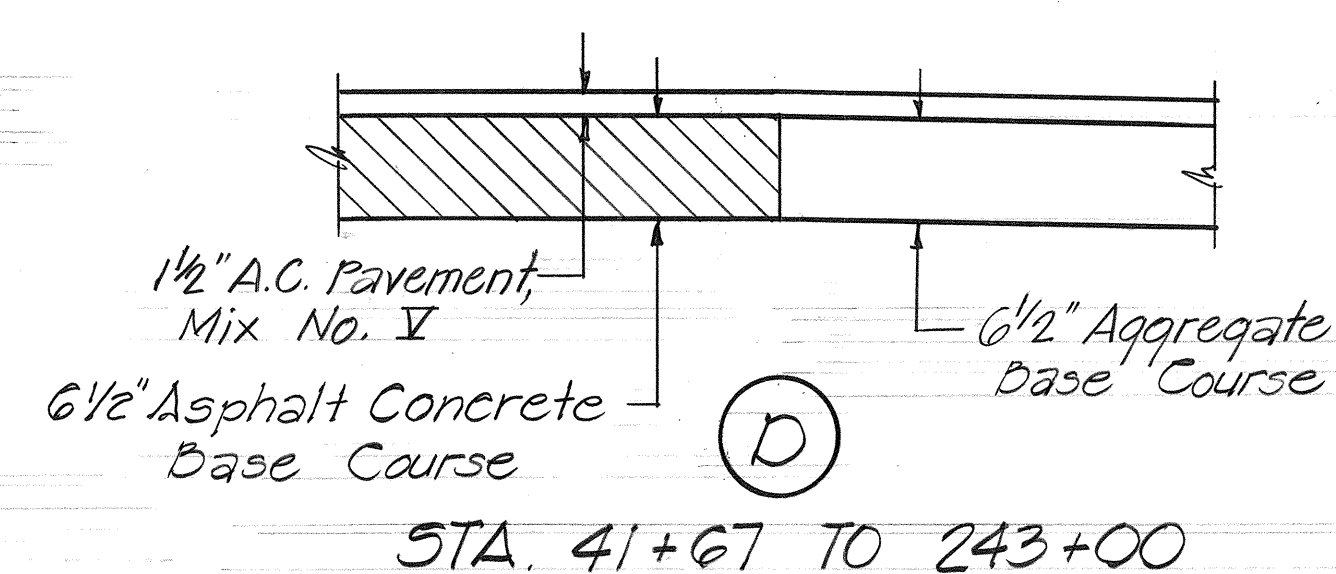
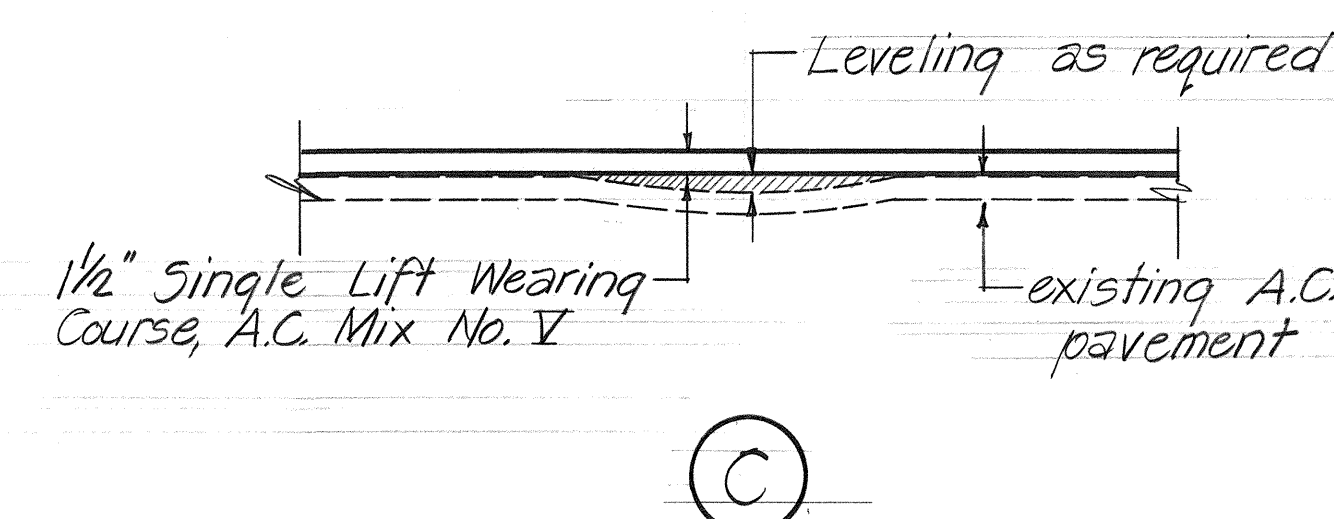
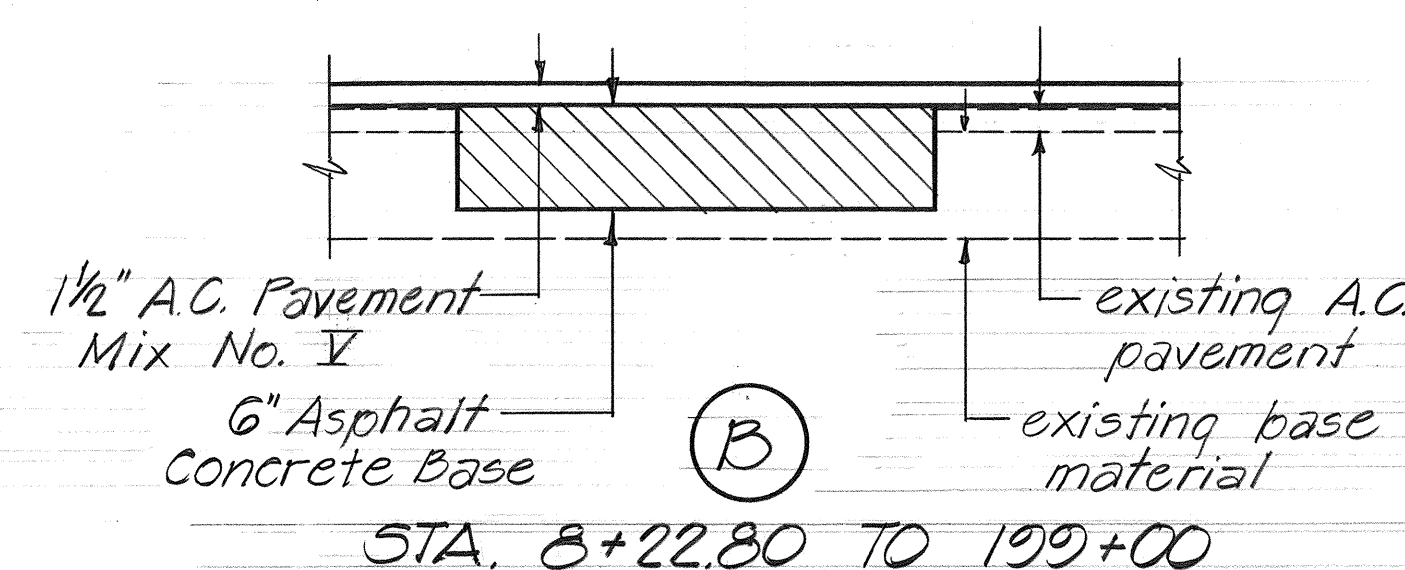
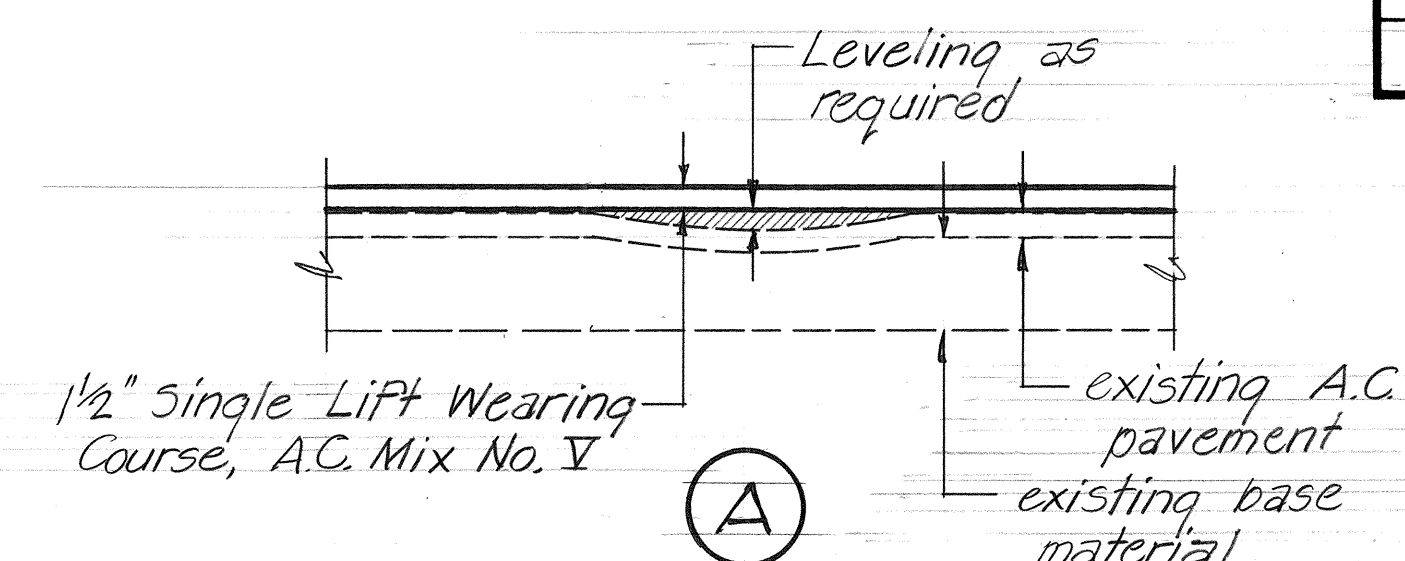
TYPICAL SECTION
STA. 199+00 TO STA. 232+00



TYPICAL SECTION
STA. 41+67 TO STA. 243+00



TYPICAL SECTION ~ REALIGNMENT AREAS
STA. 41+67 TO 243+00



TYPICAL PAVEMENT DETAILS
Scale: 1" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

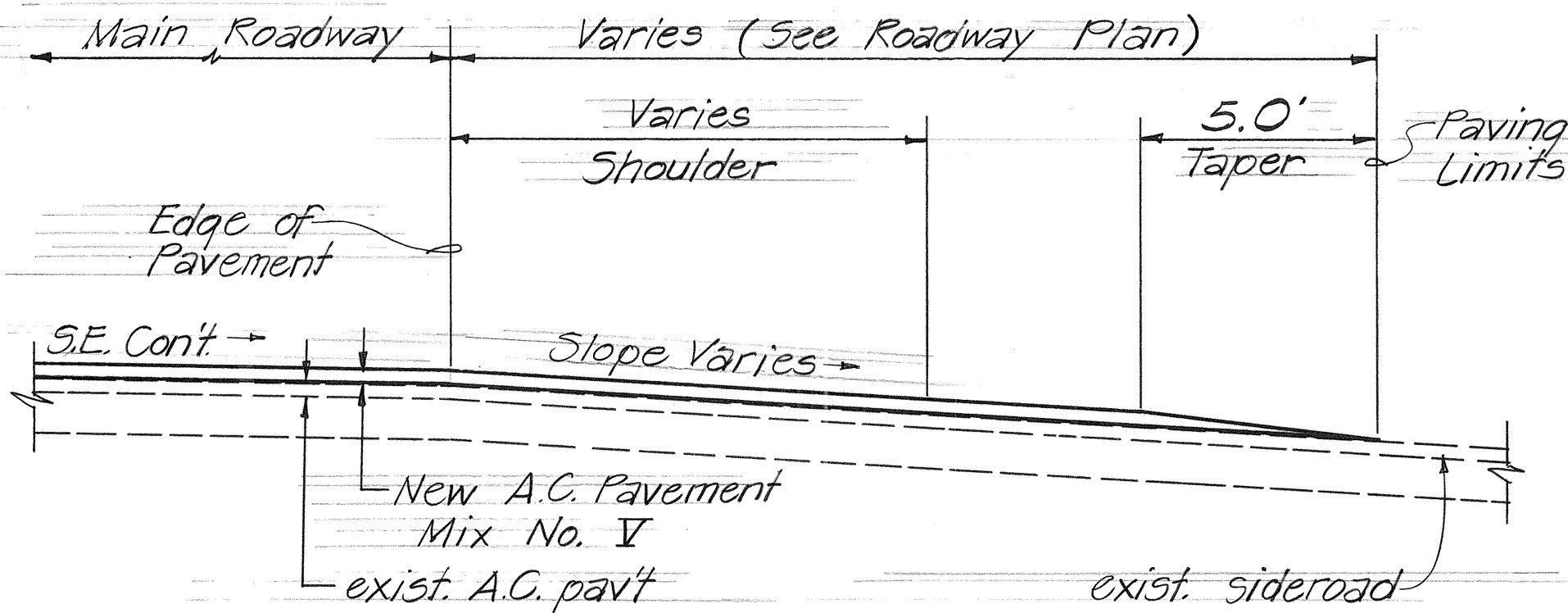
MAMALAHOA HIGHWAY RESURFACING
KAMAKOHA BRIDGE NO. 1 TO KEAMUKU
PROJECT NO. RS-0190(B)

Scale: As Noted Date: Feb. 1987
SHEET No. 1 OF 2 SHEETS

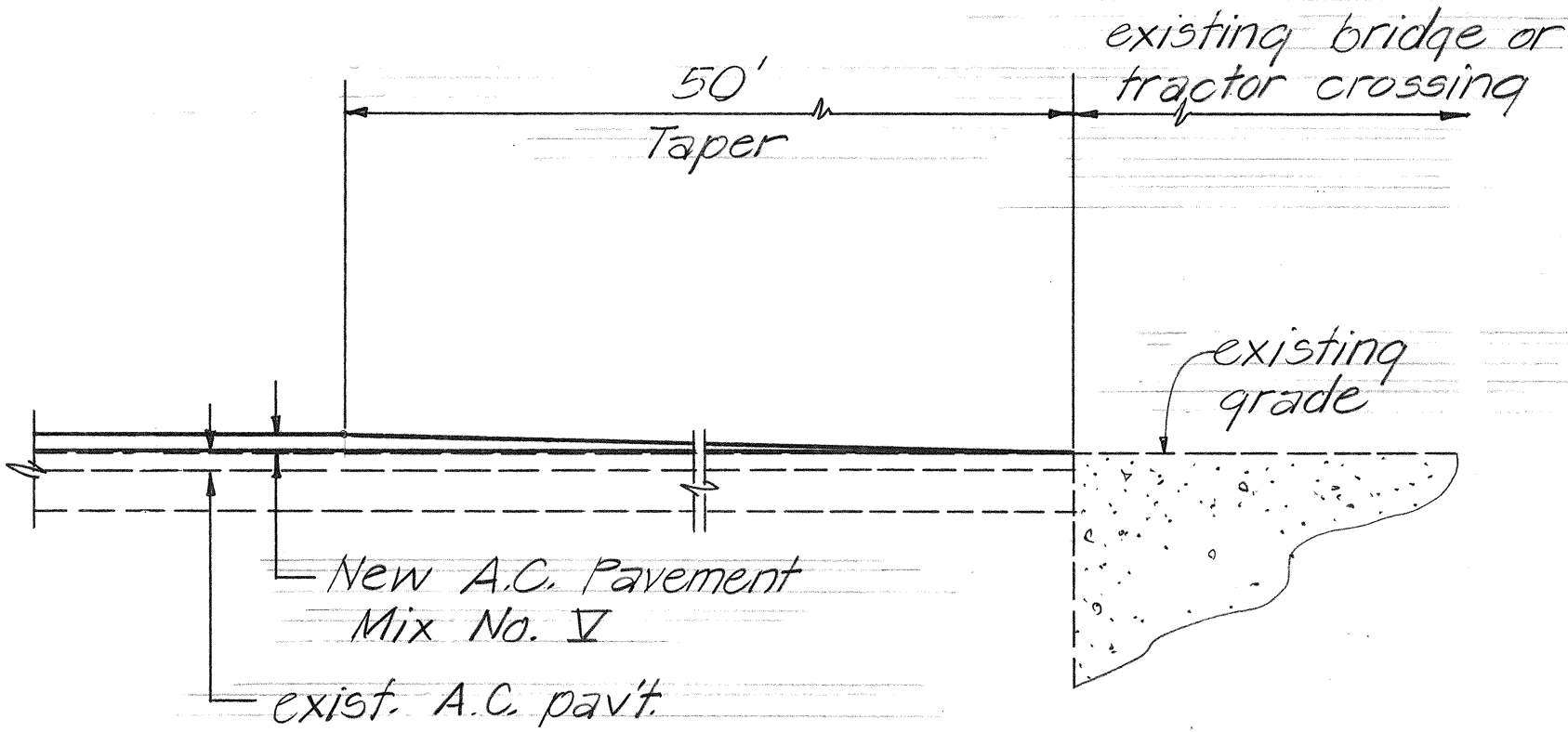
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0190(8)	1987	4	56

GENERAL NOTES

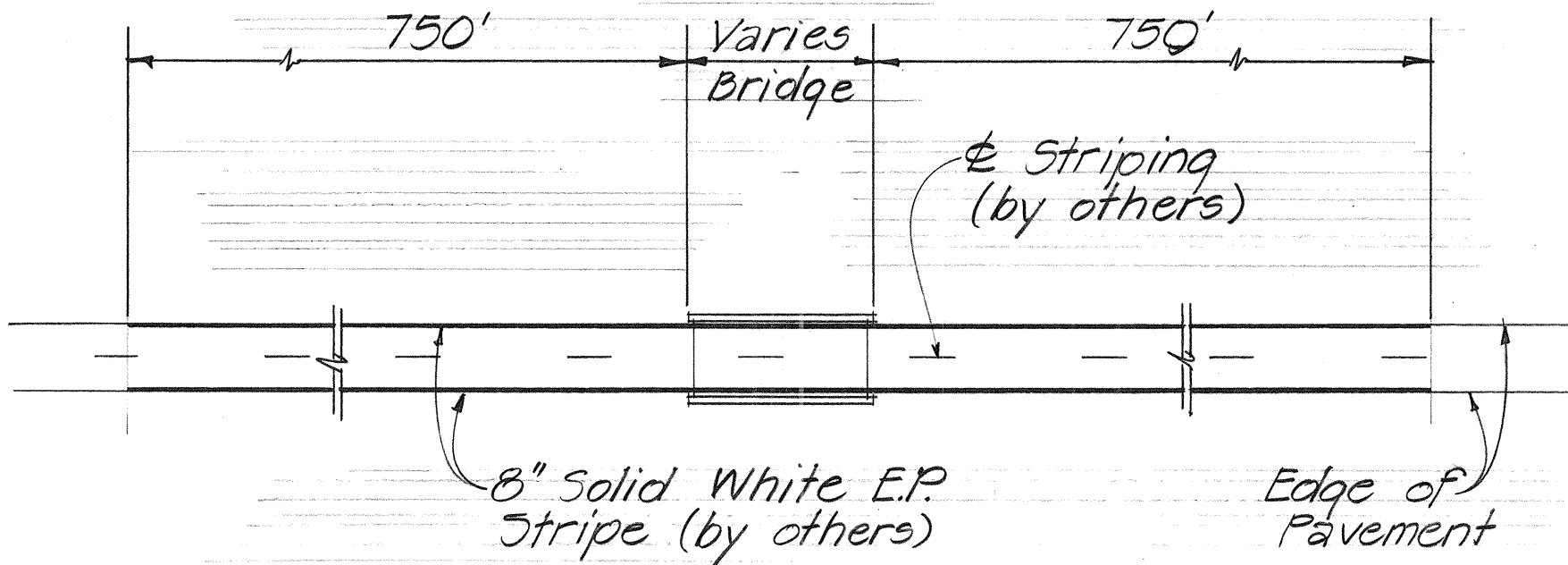
- Improvements consist of grading and paving shoulders, reconstructing, widening, and resurfacing pavement minor realignment of horizontal and vertical curves, extension of one tractor crossing, extending existing drainage culverts, reconstructing and installing guardrails, installing traffic signs and pavement markers and installing, adjusting or recovering centerline monuments.
- All construction signs shall be reflectorized with high intensity reflective sheeting.
- Tack coat shall be incidental to Item no. 401.0500 - 'Asphalt Concrete Pavement Mix No. V.'
- The exact limits and locations of Pavement Reconstruction shall be determined by the Engineer in the field. Payment for this work will be made under Item Nos. 301.0100 - 'Plant Mix Asphalt Concrete Base Course,' 651.0100 - 'Excavation for Reconstruction of Weakened Pavement Areas' and 203.0100 Roadway Excavation.
- The State survey crew will provide edge pavement and edge shoulder grades between stations 41+67 to 243+00.
- Asphalt Concrete for leveling shall be paid for under Item no. 401.0500 - 'Asphalt Concrete Pavement, Mix No. V.'
- All permanent painted striping shall be done by state forces.
- Excavation of Reconstructed Pavement Areas and Paved Shoulder Areas shall be done by a cold planing process.
- Elevations shown refer to Mean Sea Level datum unless otherwise noted.
- Azimuths and coordinates refer to "A Puu Pa."
- Existing pavement surface variable. Surface indicated on typical sections is not intended to represent any specific location.
- Construct smooth and easy riding connection at beginning, ending, and exception areas of project.
- Paved shoulders shall be reconstructed from sta. 41+67 (mile post 8.41) through sta. 243+00 (mile post 4.53) unless otherwise noted.
- Contractor's attention is called to specification section 622.04 regarding temporary pavement marking tape and raised pavement markers. These items are incidental to roadway pavement, except for detours or interim traffic patterns.



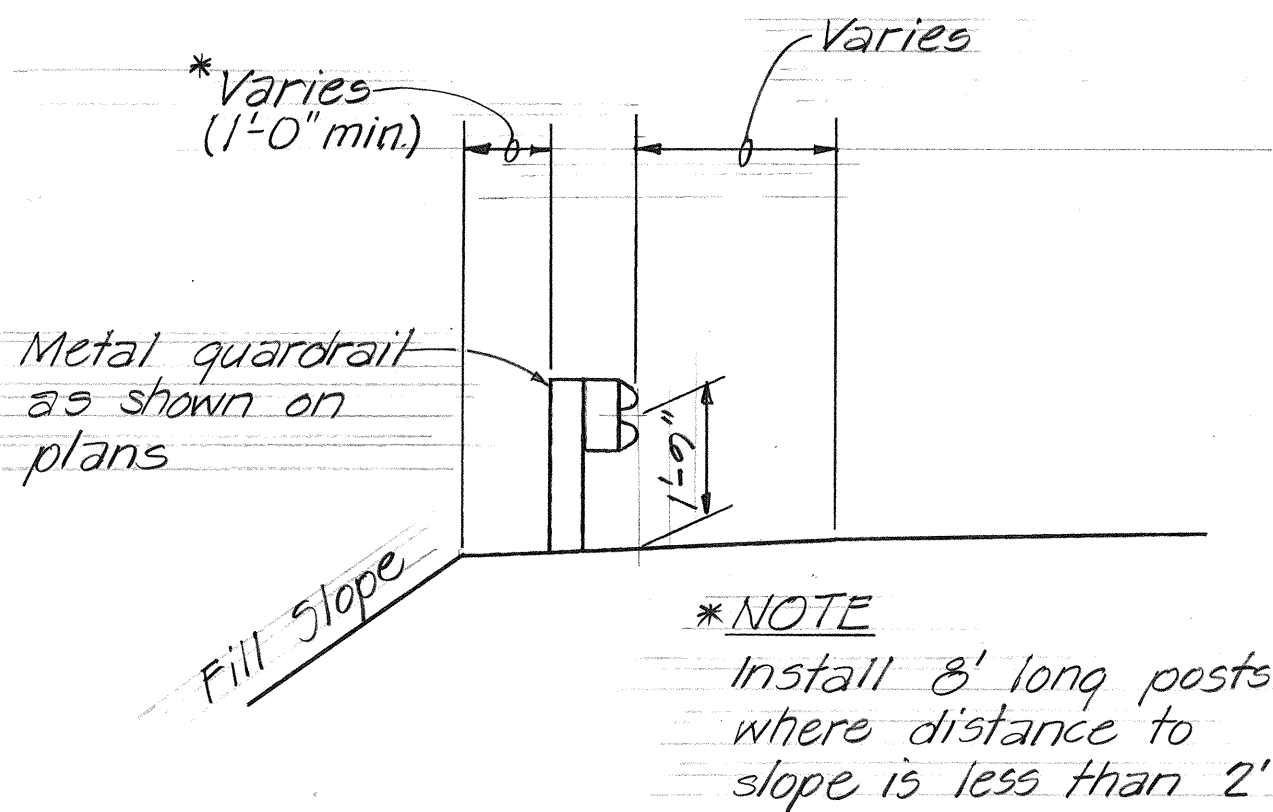
TYPICAL DETAIL AT SIDEROAD



TYPICAL DETAIL AT EXISTING BRIDGE OR TRACTOR CROSSING



TYPICAL E.P. STRIPING AT BRIDGE



GUARDRAIL DETAIL

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

MAMALAHOA HIGHWAY RESURFACING
KAMAKOA BRIDGE NO. 1 TO KEAMUKU
PROJECT NO. RS-0190(8)

Not to Scale Date: Feb. 1987

SHEET NO. 2 OF 2 SHEETS