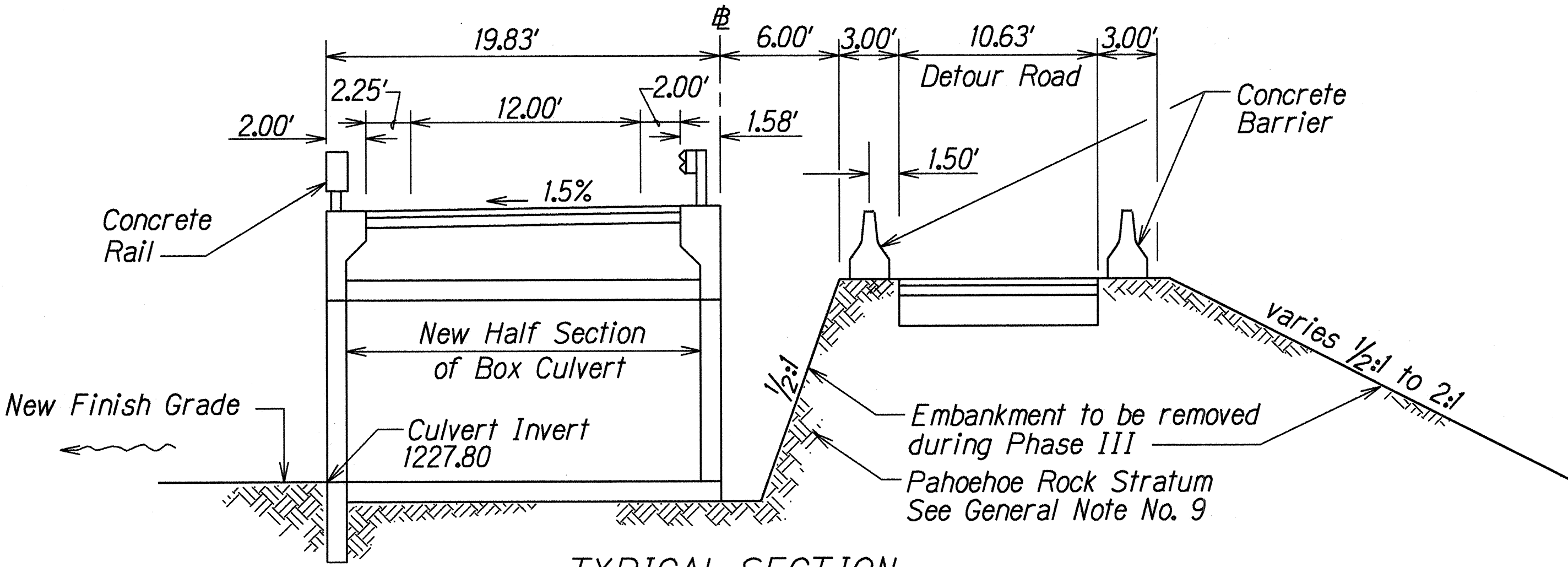


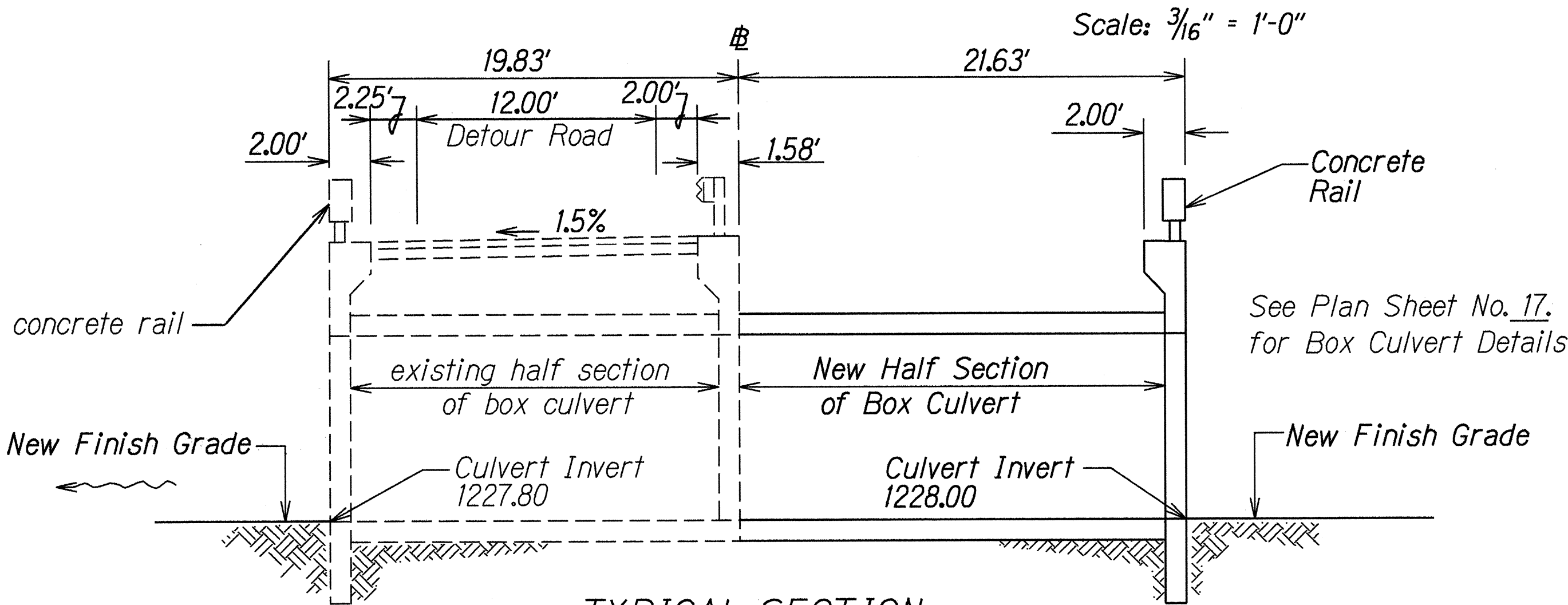
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-011-2(25)	1995	3	39

GENERAL NOTES:

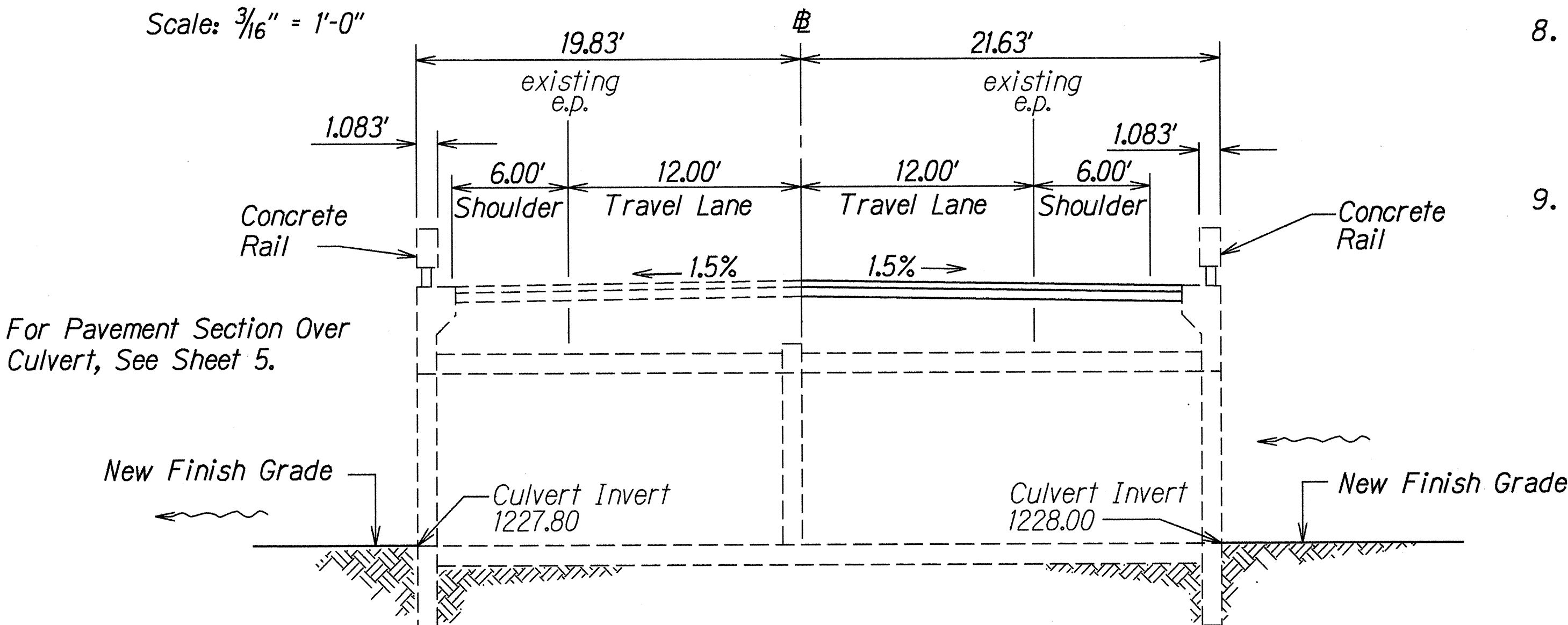
- Improvements consist of Constructing Bridge Extensions, Excavating, Channelizing the stream, and Constructing 4 - 11'x9' Cell Box Culverts and Backfilling, Reconstructing the existing road and installing guardrail and three wingwalls and Pavement Striping and Signing.
- All Typical Sections are shown in the direction of Stationings.
- At the end of each working day, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic. The Detour shall be maintained for the duration of the project.
- The Contractor shall remove and dispose all existing raised pavement markers prior to overlaying Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement Mix No. IV.
- When cold planing over structures, the Contractor shall not go below the specified depth of cold planing. The Contractor shall verify the existing pavement thickness by hand probing at several locations of the structure. Any expansion joints damaged by the Contractor's or Subcontractor's milling machine shall be repaired and paid for by the Contractor at his own expense.
- The Contractor shall be held liable for any damage incurred to existing facilities as a result of his operations. All damages to existing facilities shall be repaired and/or replaced immediately in accordance with the Standards and Specifications of the State and/or affected Utility Company or government agency.
- If necessary to run public traffic over roadways soon after the paving operations, the Contractor shall install temporary pavement marking tapes and raised pavement markers as directed by the Engineer. For additional requirements, refer to Section 629 of the Standard Specifications and Special Provisions. This work shall be considered incidental to the various pay items and no separate payment shall be considered.
- The Contractor's attention is directed to the following sections of the Special Provisions: Subsection 107.13 - Public Convenience and Safety, Subsection 107.21 - Contractor's Responsibility for Utility Property and Services, Section 645 - Traffic Control.
- The Contractor is responsible for the design, construction and performance of the 1/2:1 embankment slope shown in the Typical Section, Detour Road Phases I & II, Plan Sheet No. 3. The Contractor shall submit working and shop drawings of this embankment to the Engineer for approval. No blasting, controlled or uncontrolled, will be allowed near the detour road. Blasting could damage the pahoehoe rock stratum embankment.



TYPICAL SECTION  
DETOUR ROAD PHASES I & II



TYPICAL SECTION  
DETOUR ROAD PHASE III



TYPICAL SECTION AT CULVERT  
FINAL PHASE

03/27/96	Added Gen. Note No. 9.
02/29/96	Corrected culvert size and inverts and Plan Sheet references.
DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**TYPICAL SECTIONS**  
**& GENERAL NOTES**  
MAMALAOA HIGHWAY  
Drainage Improvements at  
Piikea Stream Bridge  
Fed. Aid Proj. No. STP-011-2(25)  
Scale: As Shown Date: Sept., 1993  
SHEET No. 1 OF 1 SHEETS

SURVEY PLOTTED BY	DATE
DESIGNED BY	12/29/95
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	