

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-99	2000	3	11

GENERAL NOTES

- The scope of work for this project consists of constructing drainage inlet and outlet structure, headwall and culvert system.
- The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work amounting to not less than 50 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
- 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; and Section 645 -Traffic Control.
- The Contractor shall comply with the State of Hawaii's Occupational Safety and Health Law (DOSH).
- At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
- 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 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.
- The contractor shall provide for access to and from all existing side streets and driveways at all times.
- Install 4 each Construction Sign with Two Posts along Kaumualii Highway approximately 500 feet beyond the project limits. The 4 signs are:
2 ea. ROAD WORK AHEAD, CW20-1AD, 48"x48"
2 ea. END ROAD WORK, CG20-2A, 48"x24"
Payment will be made under construction sign pay item.

WATER NOTES

- The existence and location of underground utilities and structures as shown on the plans are from the latest available data but is not guaranteed as to the accuracy of encountering other obstacles during the course of the work. The Contractor shall be responsible and pay for all damages to existing utilities. The Contractor shall not assume that where no utilities are shown, that none exist.
- The Contractor shall be responsible for the protection of all water lines during construction. The Contractor shall be especially careful when excavating behind water lines, tee, and bends wherever there is a possibility of water line movement due to the removal of the supporting earth beyond the existing reaction blocks. The Contractor shall take whatever measure necessary to protect the water lines, such as constructing special reaction blocks (with BWS approval) and/or modifying his construction method.
- Prior to any excavating, the Contractor shall verify in the field the location of existing water mains and appurtenances.

DRAINAGE NOTES

- Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various Contract Items.
- The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.
- Demolishing and removing existing concrete and CRM headwalls, drainage structures shall not be paid for separately, but shall be incidental to the various Contract Items.
- For Culvert Trench and Backfill Detail, see Sheet No. H7.
- Concrete shall be Class A unless otherwise noted.
- For details of the concrete headwall @ Sta. 138+00 o/s 28' Rt., see Std Plan H-16. The length "L" of the headwall shall be 10'-0" in lieu of 7'-6".
- Existing earth swales shall be graded to drain. This work shall be considered incidental to Contract Item No. 206.2020.

LEGEND

- ◯_{wmh} Existing Water Manhole
- ◯_{wv} Existing Water Valve Box
- ◯_{smh} Existing Sewer Manhole
- ===d==24=== Existing 24" Drain Line
- 24" Culvert New 24" Culvert
- ◯_{sdmh} Existing Storm Drain Manhole

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED	DRAWN BY	
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KAUMUALII HWY. DRAINAGE IMPROVEMENTS
Vicinity of Kikiaola Boat Harbor
Project No. 50B-01-99

Date: Sept. 1999

SHEET No. 1 OF 1 SHEETS