

WATER CONSTRUCTION NOTES

- 1. The Contractor shall notify the Department of Water Supply in writing, one week prior to commencement of work.
- 2. Minimum cover over water main, 6" or larger, shall be 3'-0". Minimum cover, for 4" or less shall be 2'-6".
- 3. Concrete for reaction blocks shall be Class "C".
- 4. All materials used and method of construction of water system facilities shall be in accordance with Department of Water Supply Standards. Contractor to obtain latest Department of Water Supply Standard Details before commencing construction.
- 5. The exact depth and location of existing waterlines, service laterals and other facilities are not known. It shall be the Contractor's responsibility to locate same, prior to trenching of new waterline. The cost of lowering, relocating, or adjusting existing waterline service laterals (unless otherwise noted) and other utilities shall be considered incidental to the cost of the new waterline and will not be paid for separately. Facilities damaged by the Contractor's operation shall be repaired immediately by the Contractor at his expense.
- 6. Connection to Department of Water Supply System:
 - a. The Contractor shall verify the exact location, depth, type and condition of the existing line before ordering materials for the hookup. However, he shall check with the Department of Water Supply before excavating for verification purposes. He shall be responsible for furnishing the correct fittings, adaptors, nipples and other materials, as required, for the hookup.
 - b. Whenever feasible, Mechanical Joint Fittings shall be used.
 - c. Authorized Department of Water Supply personnel will make the final connection to the existing line. The Contractor shall be responsible for all costs incurred by the Department of Water Supply for said work, including the cost of pressure testing.
 - d. The Contractor shall be responsible for furnishing all material; equipment and labor for chlorination, trench excavation, backfilling, paving, and other work necessary to complete the hookup, as directed by and to the satisfaction of the Department of Water Supply.
- 7. The Contractor shall submit materials list to Department of Water Supply for approval prior to construction.
- 8. Contractor will submit as-built plans via consultant prior to acceptance of water system.
- 9. Contractor shall submit a cost list along with affidavit for the water system prior to acceptance.
- 10. All buried metals to be wrapped with poly-wrap.
- 11. All nuts and bolts to be coated with paint (asphaltum).
- 12. Non Metallic pipe to have toning wire.

RESURFACING GENERAL NOTES

- 1. The scope of work for this project consists of cold planing, reconstructing weakened pavement areas, roadway widening, resurfacing with A.C. Mix No. V, modifying drop inlets, installing guardrails and installing reflector markers, pavement striping and markers.
- 2. The Contractor's attention is directed to Subsection 102.05 - Examination of Plans, Specifications, Special Provisions, Site of Work, etc., Subsection 107.13 - Public Convenience and Safety and Section 645 - Traffic Control of the Special Provisions.
- 3. Existing utilities locations shown on the plans are approximate only. The Contractor shall verify their actual locations with the various owners and shall be liable for any damages incurred to the existing utilities as a result of his operations. The damaged utilities shall be replaced and/or repaired by the Contractor, in accordance with the standards and specifications of the affected utility, at his expense.
- 4. The exact locations and limits of areas to be reconstructed and cold planed shall be determined in the field by the Engineer. The excavated and cold planed materials shall be disposed of by the Contractor.
- 5. Prior to placing leveling course or resurfacing, existing raised pavement markers shall be removed and the existing surface shall be cleaned as described in Section 310 of the Standard Specifications. Payment shall be considered incidental to Item No. 401.0500, A.C. Pavement, Mix No. V.
- 6. All holes, cracks and large depressions shall be filled, leveled and compacted with A.C. Pavement, Mix No. V prior to resurfacing as directed by the Engineer. Payment shall be made under Item No. 401.0500, A.C. Pavement, Mix No. V.
- 7. A smooth riding transition shall be provided at side roads and at driveways, as shown on the plans or as directed by the Engineer. Payment for this work shall be made under Item No. 401.0500, A.C. Pavement, Mix No. V.
- 8. After the A.C. Pavement, Mix No. V is placed, the State Forces will dress the shoulders. This work shall be coordinated by the Engineer.
- 9. The exact guardrail locations shall be determined in the field by the Engineer.
- 10. Removal of existing guardrail and installation of new guardrail in the same location, shall be completed on the same day.
- 11. Any fences, mailboxes or other public or private property adjacent to the roadway that is disturbed, removed or damaged by the Contractor during his construction operations shall be replaced or repaired by the Contractor, at his expense, as directed by the Engineer.
- 12. The Contractor shall notify the affected owners of the mailbox and water lateral relocation work to be done.
- 13. The following construction contracts for Maui County Department of Water Supply are scheduled to be underway in the same general area during the construction work under Federal Aid Project No. RS-0377(2):
Upper Kula Pipeline, Phase II
Job No. 78-102
and Waiakoa Lateral
Job No. 86-135
The Contractor for the F.A. Proj. No. RS-0377(2) shall cooperate with the Contractors of the above mentioned projects in the manner described in Subsection 105.06 - Cooperation Between Contractors of the Standard Specifications.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0377(2)	1986	2	30

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

6/3/86 General Note 13 added
DATE REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
NOTES
KEKAULIKE AVENUE IMPROVEMENTS HALEAKALA CRATER RD. TO KULA HWY. F.A. Project No. RS-0377(2)
Date: April, 1986
SHEET No. 1 OF 1 SHEETS