

GENERAL NOTES

UTILITY GENERAL NOTES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83EF0286	1986	2	52

ELECTRIC NOTES

- The existence and location of HECO's overhead and under-ground facilities shown on the plans are from existing records with varying degrees of accuracy and are not guaranteed as shown. The Contractor shall exercise extreme caution whenever construction crosses or is in close proximity of underground lines and shall maintain adequate clearance when operating equipment within or under any overhead lines.
- The Contractor shall obtain an excavation permit from HECO's Mapping & Records Division located at 820 Ward Avenue, 4th floor, two(2) weeks prior to starting construction.
- When trench excavation is adjacent to or beneath our existing structures or facilities, the Contractor is responsible for:
 - Sheeting and bracing the excavation to prevent slides, cave-ins and settlements.
 - Protecting existing structures or facilities with beams, struts, or under-pinning.
- For verification of underground lines or for assistance in supporting and protecting these lines, the Contractor shall call HECO's Underground Division at 548-7395 a minimum of 72 hours in advance.
- For pole bracing instructions, the Contractor shall call Mr. Ralph Preston, HECO District Construction Superintendent at phone 262-5454 a minimum of 72 hours in advance.
- The Contractor shall comply with the State of Hawaii's Occupational Safety and Health Law (DOSH).
- Any work required to relocate HECO facilities shall be done by HECO and the Contractor shall be responsible for all coordination, and for costs if applicable.
- The Contractor shall be liable for any damages to HECO facilities and shall immediately report such damages to HECO's Trouble Dispatcher at 548-7961.

WATER NOTES

- Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the Standard Specifications for Road and Bridge Construction, dated 1985, as amended, of the Hawaii Highways Division, Department of Transportation.
- The BWS Standard Details, Figures 1-62 inclusive, bound in the "Water System Standards" of the BWS, dated March 1977, as amended, are applicable to this project.
- The Contractor shall notify the Board of Water Supply in writing one(1) week prior to commencing work on the Water System.
- 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 or the encountering of other obstacles during the course of the work. The Contractor shall be responsible and shall pay for all damages to the existing utilities.
- Any adjustments to the existing water system including man-holes, meter boxes, and meters required during construction to meet requirements of BWS Standards, whether shown on the plans or not, shall be done by the Contractor at no cost to the Board.
- The Contractor shall verify the location of waterlines in the field prior to installation of new guardrails. If there is a conflict, the new guardrails will be installed at the locations designated by the Engineer.
- Contact BWS Heeia Corporation Yard, Masa Katamoto at 247-3440 upon commencing construction.
- The Contractor shall adjust all valve boxes and manhole frames and covers that are in the areas to be paved. Prior to paving operations, BWS will mark all water manholes and valve boxes involved with this project. The Contractor shall be responsible for referencing and adjusting all BWS appurtenances. Referencing of BWS facilities shall be incidental to the various contract items. Any additional work required of BWS to locate and reference BWS facilities, subsequent to paving operations, will be at the Contractor's expense. BWS will bill Contractor for said additional work.
- All plans approved by the Board of Water Supply are based solely on the adequacy of the water supply. All other features of the water system, such as lines, grades, fittings etc., and drainage and other features of improvements shall not be the responsibility of the Board of Water Supply.
- Reapproval shall be required if this project is not under construction within a period of one year. (See Rules and Regulations of the Board of Water Supply.)
- The project shall provide four sets of approved plans one week prior to commencing work on the water system.

APPROVED:

CHIEF, PLANNING & ENGINEERING, BWS

1-31-86
DATE

- The scope of work for this project consists of reconstructing and resurfacing existing pavement areas; constructing paved shoulders, swales, and bus turnout; extending box culverts; adjusting water manholes and meters; relocating utility pole; and installing guardrails, regulatory and warning signs, pavement striping and markers.
- 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. Furthermore, the encountering of other obstacles during the course of work may be possible. The Contractor shall be responsible and shall pay for all damages to existing facilities resulting from his operations.
- The Contractor shall notify the State in writing, two(2) weeks prior to starting paving operations.
- The Contractor shall notify the Mass Transit Lines, Inc. Customer and Public Relations Office at 537-9224 seven(7) days prior to any paving operations.
- The Contractor's attention is directed to Subsection 107.13-"Public Convenience and Safety" and to Section 045-"Traffic Control" of the Special Provisions.
- The location and limits of the areas to be reconstructed as shown on the plans are approximate. The exact limits will be determined in the field by the Engineer. The depth of reconstruction shall be as shown in the Typical Sections. The excavated areas shall be reconstructed with Plant Mix Asphalt Concrete Base Course prior to resurfacing.
- All holes and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. II, prior to resurfacing. This work will be paid for by Item No. 401.0500 Asphalt Concrete Pavement, Mix No. II.
- The Contractor shall remove and dispose all existing raised pavement markers in resurfacing areas prior to laying of Asphalt Concrete Overlay. This work will not be paid for separately, but shall be considered incidental to Asphalt Concrete Pavement, Mix No. II.
- As shown on the plans or directed by the Engineer, a smooth riding transition shall be provided at the beginning and end of the project, at side streets and driveways, between all pavement areas used by public traffic during each construction phase, and between transition of construction phases.
- Frames and covers of existing C&C street survey monuments shall be raised to new grade as shown on Plan Sht. No. 26.
- Existing Asphalt Concrete Pavement removed by cold planing and excavated weakened pavement areas may be used for "Recycled Plant Mix Asphalt Concrete Base Course" or otherwise shall be the Contractor's property.
- The Contractor shall immediately replace loop detectors in the areas where reconstruction work occurs. This work shall be considered incidental to Roadway Excavation.

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
GENERAL NOTES AND UTILITY NOTES	
KAHEKILI & KAMEHAMEHA HIGHWAY RECONSTRUCTION & RESURFACING	
Proj. No. 83EF-02-86	
Date: Jan., 1986	
5/8/86	Added General Note No. 12 per Addendum No. 1.
DATE	REVISION
SHEET No. 1 OF 1 SHEETS	