

GENERAL NOTES

1. Scope of Work - This project begins near Princeville Golf Course and ends near Kalihwai Road. This project includes a New Roadway Alignment with all appurtenances, relocating and adjusting electrical, telephone, waterlines, and or other utilities.
2. The Contractor shall keep all lanes open to public traffic during the peak traffic hours of 6:00 a.m. to 8:00 a.m. and 3:30 p.m. to 5:30 p.m. and during periods of non work. During peak traffic hours, the Contractor shall not perform any operations including, but not limited to, movement of equipment, machinery, and materials. The peak traffic hours are subject to change by the Engineer. The Contractor's attention is directed to Subsection 107 of the Special Provisions for requirements regarding responsibility to the public. The above peak hour requirements are not applicable if work involves areas outside of the existing right-of-way.
3. The Contractor shall be responsible and shall pay for all damages to existing utilities, manholes, structures and signs resulting from his operations.
4. Smooth riding connections shall be constructed at the beginning and end of project, limits of resurfacing, connecting approaches and side streets as shown or as directed by the Engineer.
5. All regulatory, guide and construction signs and barricades shall be of high intensity reflective sheeting.
6. Temporary erosion and siltation control measures shall be done in accordance with Section 639 - Temporary Project Water Pollution Control (Soil Erosion) of the Standard Specifications.
7. Utilities:
- a. Kauai Electric Division's facilities shall be relocated/adjusted by both Kauai Electric Division and the State's Contractor.
- b. Hawaiian Telephone Company's facilities shall be relocated/adjusted by both Hawaiian Telephone Company and the State's Contractor.
- c. Princeville Development Corporation's water system shall be relocated/adjusted by the State's Contractor.
- d. The State Contractor shall be responsible for coordinating the work of the utility companies. See Subsection 105.05 - Cooperation with Utility Companies of the Standard Specifications.

WATER NOTES

1. Unless otherwise specified all materials and construction of water system facilities and appurtenances shall be in accordance with the "WATER SYSTEM STANDARDS" Volume I and Volume II, 1985 as adopted by the Department of Water, County of Kauai; Board of Water Supply, City and County of Honolulu; Department of Water Supply, County of Maui; and Department of Water Supply, County of Hawaii.
2. The Contractor shall notify Princeville Utility Co., Inc./Princeville Water Supply in writing one week prior to commencing work on the main.
3. Unless specified, connections to existing water main, cleaning and chlorination of new mains shall be done by the Contractor with the Department of Water Inspector coordinating the work. Disinfection of the water line shall be done in conformance with the "STANDARD SPECIFICATIONS FOR WATER WORKS CONSTRUCTION".
4. The Contractor shall verify in the field the location of the existing water mains and appurtenances. The Contractor shall expose the existing water main prior to trenching. Excavation around existing water mains shall be done by hand.
5. The Contractor shall, whenever necessary, properly sheet and brace all excavation to render it secure and shall remove all such sheeting and bracing before completion of the backfill. For all water mains, the minimum cover requirement (from top of pipe to finished grade over pipe) is 3 feet.
6. Plastic pipes shall be PVC 1120, or PVC 1220 SDR 21, Class 200 PR with NSF seal of approval. Plastic pipes 1-1/2" and smaller may be of the solvent-welded type. All solvent-welded joints shall be made by using "Color-guard" fittings as manufactured by the R&G Sloane Manufacturing Co., Inc. or approved equal.
7. Trench excavation, backfilling in lifts and repaving shall conform to the "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" dated September 1986.
8. The Contractor shall submit the name of its authorized superintendent on the job to the Department of Water.
9. The Contractor shall arrange a pre-construction conference at least 10 days before construction and shall notify the Department of Water at least 3 working days prior to start of construction.
10. The Contractor shall notify Princeville Utility Co., Inc./Princeville Water Supply at least 24 hours prior to any pipe laying, backfilling, testing or chlorination to insure that inspection services will be available.
11. All nuts and bolts for use with flanged joints shall be hot-dip galvanized.

12. In order to prevent unapproved materials from being ordered, the Contractor is invited to submit his material list description to Princeville Water Supply for cross check before ordering any material from suppliers.
13. Prior to the connection of any pipeline installed under this job to the existing main, the pipeline installed shall be thoroughly cleaned, flushed and chlorinated.
14. Cleaning shall be by use of "pigs" introduced into the pipeline and run completely through all installed pipelines excluding branch lines for fire hydrants and service laterals. "Pigs" shall consist of a cylindrical piece of polyurethane foam with density range of 1.25 to 1.45 pounds per cubic foot with a diameter 2 inches larger than the pipe to be cleaned and 18 inches long.

LEGEND

- e— Existing Electrical Line
- s— Existing Sewer Line
- w—12" Existing Water Line
- t— Existing Telephone Line
- jp Existing Joint Pole
- pp Existing Power Pole
- tp Existing Telephone Pole
- gp Existing Guy Pole
- lp Existing Light Pole
- sp Existing Stand Pipe
- wv Existing Water Valve
- gv Existing Gate Valve
- ⊙ fh Existing Fire Hydrant
- smh Existing Sewer Manhole
- ⊗ Large Tree to be Removed
- ☼ Large Tree not to be Disturbed
- ⊗ Pine Tree to be Removed
- ⊗ Pine Tree not to be Disturbed
- ⊙ Street Monument

- JP New Joint Pole
- PP New Power Pole
- TP New Telephone Pole
- ⊗ Existing Pole to be removed
- Existing Anchor
- New Anchor
- Existing Electrical or Telephone Handhole
- New Electrical or Telephone Handhole

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GENERAL AND WATER
NOTES & LEGEND
KUHIU HIGHWAY
Princeville To Kalihwai
F.A. Project No. F-056-1(31)
Date: March, 1991
SHEET No. 1 OF 1 SHEETS