

GENERAL NOTES

1. The scope of work for this project consists of constructing grated drop inlets over an existing drainline; replacing existing storm drain manholes and an existing grated drop inlet with new grated drop inlets; constructing a three foot wide A.C. backslope onto an existing six foot wide shoulder; readjusting and relocating traffic signal pullboxes; excavating, installing, and jacketing culverts, backfilling, and restoring A.C. pavement; and paving and regrading an existing bituminous sidewalk.
2. 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.
3. The Contractor's attention is directed to Section 107 - Legal Relations and Responsibility to Public and Section 645 - Traffic Control Devices of the Special Provisions.
4. 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.
5. 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. Encountering obstacles during the course of work is possible. Field adjustments may be necessary with the approval of the Engineer.
6. Existing drainage system shall be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools, and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items.
7. All saw cutting work shall be considered incidental to the various contract items and conducted in an approved manner.
8. The Contractor shall erect at the beginning of the project and at the end of the project advance construction warning signs as specified in the plans and directed by the Engineer for the duration of the highway project and shall be maintained by the Contractor. These signs shall be placed in addition to the required traffic control signs called for in Section 645 -Traffic Control Devices. The construction warning signs shall be new and become the property of the State. The Contractor shall remove, clean, and deliver the signs and posts to the Oahu District Baseyard or as directed by the Engineer at the end of the project. The advance construction warning signs shall be paid under Item No. 621.7110, Construction Sign with Two Posts.
9. The Contractor shall notify, in writing, the Oahu Transit Services, Inc., Roads Supervision Office, 811 Middle Street, Honolulu, Hawaii 96819, (ph. 848-4571) seven days prior to the start of construction.
10. All demolition and removal of existing storm drain manholes, inlets, and grates shall be removed in an approved manner and as directed by the Engineer. This work shall be considered incidental to various contract items.

11. Construction of this project may conflict with the proposed City and County of Honolulu, Ulehawa Beach Park Improvements Project tentatively scheduled for December 1999. The Contractor shall be responsible to coordinate work with the City and County of Honolulu, Department of Design and Construction Branch (Ph. 527-4049) two weeks prior to the start of construction.
12. Culverts damaged during construction shall be replaced or repaired with a reinforced concrete pipe of equal size as the original unless directed by the Engineer. The cost for these repairs shall be considered incidental to various contract items.
13. The Contractor shall notify the Board of Water Supply (BWS) Planning and Engineering Division, Construction Section, (PH. 527-5205) two weeks prior to commencing work to avoid conflicts with ongoing BWS projects in the area.
14. Clean salvaged manhole covers and frames and Type A-9 Steel Grates of dirt and rust by sand blasting. Hot dip galvanize Type A-9 Steel Grates. Retain salvaged items to Department of Transportation, Oahu District, 727 Kaka'i Street. This work shall be considered incidental to the various contract items.

AT&T and SIGNAL CORPS NOTES

1. The Contractor should be particularly aware of an AT&T fiber optic ductline that runs along the makai side of Farrington Highway. During construction of the GDIs, a designated AT&T personnel shall be present on-site to monitor the excavation and placement of the GDIs. The Contractor shall be liable for any damages incurred to the AT&T fiber optic ductline caused by his operations while an on-site AT&T inspector is not present.
2. Two weeks prior to the start of construction, the Contractor shall contact the AT&T Fiber Optics Facilities field office at 455-1010. The Contractor's attention is directed to Subsection 107.21, Part (F) - Notes for AT&T Facilities of the Special Provisions.
3. The location of existing Signal Corp underground facilities are approximate only. Extreme care shall be taken when working on or near the existing Signal Corps Facilities. The Contractor shall repair damages to the underground facilities as a result of its operations at no cost to the State and paid for by the Contractor. The Contractor's attention is directed to Subsection 107.21, Part (G) - Notes for Signal Corps Facilities of the Special Provision.
4. Signal Corps Facilities that are in conflict with the proposed work shall be addressed as specified in the contract. Notify, in writing, AT & T HITS, 3375 Koapaka Street, Suite D-120, Honolulu, Hawaii 96819 (Telephone 837-1400) and the Department of the Army, Director of Information Management Office, EMG, 30th Signal Battalion Fort Shafter, Hawaii 96858-5415 (Telephone 438-3514, Cell 295-0296 or 282-3857, Fax 438-7580) at least two weeks before start of construction.

5. The Contractor shall be aware that there are Signal Corps Facilities that will run through proposed grated drop inlets. The Contractor shall submit a list of materials to be used to properly jacket and protect these facilities in an approved manner. Submit shop drawings to the Engineer and the Department of the Army, Director of Information Management Office, for acceptance prior to construction.
6. Work involving the protection and mitigation of existing AT&T and Signal Corps Facilities shall be considered incidental to the various contract items.

ASBESTOS ABATEMENT

1. The existing drainline upon which inlet structures will be constructed is a transite pipe. Transite pipe is believed to be composed of asbestos. The Contractor shall handle, remove, and dispose sections of transite pipe in an approved manner. The Contractor shall require workers to use appropriate clothing, breathing apparatus, and other safety equipment necessary to do the job. Any permits for asbestos handling, and disposal removal shall be obtained by the Contractor.
2. The following construction sequence shall be adhere to when constructing GDIs: Construct GDI around existing transite pipe. Cut and remove transite pipe in an approved manner; and Grout around exposed cut surface of the transite pipe.
3. Prior to the Notice to Proceed for Construction, but no later than 20 working days before the actual commencement of any on-site construction activity, a written notification of the proposed asbestos abatement work shall be sent to the State of Hawaii, Department of Health, and other government agencies responsible for occupational health and safety, hazardous waste disposal, and authorities responsible for the enforcement of the National Emission Standards for Asbestos.
4. The Contractor's attention is directed to Subsection 104.11 - Removal and Disposal of Asbestos Containing Materials of the Special Provisions.

OSHA NOTES

1. The Contractor shall establish and maintain a safety and health program for the work site that provides adequate systematic policies, procedures, and practices to protect employees from, and allow them to recognize, job-related safety and health hazards,
2. The Contractor shall be responsible for complying with all Occupational Safety and Health Administration's (OSHA) revised rules and guidelines.
3. All excavation work shall comply with the applicable health and safety guidelines as specified in OSHA 2226-Excavations (revised 1990).

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99A-08-98	2000	3	18

LEGEND

- e— Existing Electrical Line
- °jp Existing Joint Pole
- °pp Existing Power Pole
- °emh Existing Electric Manhole
- t— Existing Telephone Line
- °tp Existing Telephone Pole
- °tmh Existing Telephone Manhole
- sc— Existing Signal Corps Line
- at&t— Existing Underground AT&T fiber optic cables
- tv— Existing TV Cable
- w— Existing Water Line
- °wmh Existing Water Manhole
- °av Existing Water Air Valve
- °wv Existing Water Valve Box
- °wm Existing Water Meter
- °fh Existing Fire Hydrant
- s— Existing Sewer Line
- °smh Existing Sewer Manhole
- g— Existing Gas Line
- °gv Existing Gas Valve Box
- °gmh Existing Gas Manhole
- °mon. Existing Monument
- d--- Existing Drain Line
- °sdmh Existing Storm Drain Manhole
- °gdi Existing Grated Drop Inlet
- °cb Existing Catch Basin
- °p Existing Traffic Sign
- ° Existing Highway Lighting (Standard)
- °ts Existing Traffic Signal Pole
- °tspb Existing Traffic Signal Pullbox
- Existing Railroad Tracks
- ep— Existing Edge of Pavement
- es— Existing Edge of Shoulder

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	1/7/99
dd2 given	CHECKED BY	10/14/99
Na'angai		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

FARRINGTON HIGHWAY DRAINAGE IMPROVEMENTS
Auyong Homestead Road to Nanaikaola Street
Project No. 93A-08-98

Date: Dec., 1999

SHEET No. 1 OF 1 SHEETS