

WATER NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	92A-01-07M	2007	3	17

- ORIGINAL
PLAN

SURVEY PLOTTED BY
DATE

DESIGNED BY
X

NOTED BY
X

CHECKED BY
X

QUANTITIES BY
X

REVISIONS
X
- Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the City and County of Honolulu Board of Water Supply's "Water System Standards" Volume 1, dated 2002, the "Approved Material List and Standard Details for Water System Construction", Volume 2, dated 1985, the "Water System External Corrosion Control Standards", Volume 3, dated 1991, and all subsequent amendments and additions.
 - The Contractor shall be responsible for the protection of all water lines during construction. The Contractor shall be especially careful when excavating behind waterlines, tees, 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 measures necessary to protect the water lines, such as constructing special reaction blocks (with BWS approval) and/or modifying his construction method.
 - Re-approval shall be required if this project is not under construction within a period of two (2) years.
 - The Contractor shall notify BWS Maintenance Unit-Engineering, Construction Section in writing and submit four (4) sets of approved construction plans one week prior to commencing work on the water system. Phone No. 527-5205/527-5206.
 - The existence and location of underground utilities and structures as shown on the plans are from the latest available data but is not quaranteed 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 the damages of existing utilities.
 - 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, drainage, etc., and other features of improvements shall not be the responsibility of the Board of Water Supply.
 - Any adjustments to the existing water system required during construction to meet requirements of the Board of Water Supply's Standards, whether shown on the plans or not, shall be done by the Contractor at no cost to the Board. Maintain 3'-0" minimum cover for all existing water lines (18" min. for services laterals) from new finish grades.
 - Maintain 3'-0" min. horizontal clear separation between all waterline systems and nearest electrical/signal ductlines paralleling the water system at no cost to the Board of Water Supply.
 - The project shall pay the applicable installation charges for the meter which will be furnished by BWS and installed by the Contractor when the lateral is installed.
 - Board of Water Supply approval of these plans does not constitute a water commitment. Availability of water will be determined when building permit is presented to the Department. Water commitment will depend upon the status of the water system at that time. Should water service made available, the water commitment will be effective when the project receives an approved building permit from the Building Department. All water commitments will be canceled in the event the building permit is canceled.

- The project shall be subject to the Board of Water Supply's Cross-Connection Control requirements prior to issuance of the Building Permit.
- The installation, chlorination and testing of the water main and facilities after the meter shall not be the responsibility of the Board of Water Supply.
- The backflow preventer device must be installed before meter is issued.

THE GAS COMPANY NOTES:

- The Gas Company gas pipelines in the project area are plastic coated and cathodically protected. The Contractor shall be extremely careful when working near these gas pipelines.
- Written clearances must be obtained from The Gas Company, Maps and Records department, 515 Kamakee Street, at least five (5) working days prior to starting excavation near these gas pipelines.
- Since gas line locations on field maps are approximate, the Contractor, after obtaining written clearance, shall call USA North a minimum of two (2) working days before starting excavation to arrange for field location of the existing gas pipelines. The telephone number is 1-800-227-2600.
- The Contractor shall excavate and backfill around gas pipelines in the presence of a representative of The Gas Company. All backfill within six inches of any gas pipelines shall be select cushion material approved by The Gas Company.
- For Relocation of any gas pipeline, The Contractor shall notify The Gas Company five (5) working days before starting work. The telephone number is 594-5574. The Contractor shall provide the necessary excavation and backfill, obtain traffic permits, and restore pavement, sidewalks, and other facilities. Any relocation of gas facilities shall be done by The Gas Company and paid for by The Gas Company.
- The Contractor shall notify The Gas Company immediately after any damage has been caused to existing gas pipelines, coatings, or its cathodic protection devices. The telephone number is 535-5933, 24 hours a day. The Contractor shall be liable for any damage to The Gas Company facilities. Repair work on such damage shall be done by The Gas Company with payment for this work to be borne by the Contractor.
- Minimum vertical and horizontal clearance between the gas pipeline and other pipelines, conduits, ductlines, or other facilities shall be 12 inches. Adequate support and protection for gas pipelines exposed in the trench shall be provided by the Contractor and approved by The Gas Company.
- The Contractor shall work in an expeditious manner in order to keep the uncovered gas pipelines exposed for a short a period of time as possible.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITY NOTES

NIMITZ HIGHWAY BEAUTIFICATION
NUUANU STREAM BRIDGE TO BETHEL STREET
PROJECT NO. 97A-01-07M

Date: March, 2007

SHEET No. 3 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	92A-01-07M	2007	4	17

- OCEANIC CABLE NOTES:

- STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
- UTILITY NOTES**
- NIMITZ HIGHWAY BEAUTIFICATION**
NUUANU STREAM BRIDGE TO BETHEL STREET
PROJECT NO. 97A-01-07M
- Date: March, 2007*
- SHEET No. 4 OF 17 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY <u>X</u> _____
<i>Autonote.dgn</i>	TRACED BY _____
	DESIGNED BY <u>X</u> _____
	QUANTITIES BY _____
	CHECKED BY _____
	NO. _____