

SEWER NOTES:

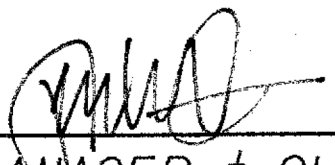
1. All sewer construction shall be performed in accordance with the City's Standard Specifications, Sept. 1986, the Department of Public Works Standard Details, Sept. 1984, Current City Practices And Revised Ordinances of Honolulu, 1990, as Amended, and Design Standards of the Department of Wastewater Management Vol. 1, July 1993.
2. The underground pipes, cables, or ductlines known to exist by the Engineer from his research of records are indicated on the plans. The Contractor shall verify the location and depth of the facilities, including and affecting sewer lines, in the presence of the Wastewater Inspector and exercise proper care in excavating the area. The Contractor shall be responsible and shall pay for all damaged utilities.
3. The Contractor shall be responsible for the protection of all sewer lines and maintaining continuous sewer service to all affected areas during construction.
4. The Contractor shall be responsible for any sewage spills caused during construction. The Contractor shall notify the State Department of Health and utilize appropriate sampling and analyzing procedures. The Contractor shall be responsible for all public notifications and press releases.
5. Maintain 3'-0" min. horizontal clear separation between all sewer systems and nearest street lighting ductlines, pullboxes, and handholes paralleling the sewer system at no cost to the city.
6. Maintain 5'-0" horizontal clear separation between street lighting and traffic signal standards (including any modular units) and nearest sewer line system. The Contractor shall field verify for conflicts at each street lighting and traffic signal standard location. Where conflicts occur, the Contractor shall coordinate with the Project Engineer to revise the street lighting and traffic signal standard to provide the required clearances at no cost to the city.
7. At the electrical/signal ductline sewer crossings, adjust all electrical/signal ductline elevations to maintain 24' vertical clear separation from all sewer lines or provide reinforced concrete jackets on sewer lines at no cost to the city.
8. For sewer manhole (SMH) adjustments upward less than 3", see City Std. Detail S-25. For SMH adjustments upward greater than 3" or for any adjustments downward, reconstruct SMH top from below the cone section.
9. The Contractor shall adjust all manhole frames within the resurfaced area prior to resurfacing. The Contractor shall be responsible for "referencing" these manholes to facilitate the adjustments.
10. The Contractor shall notify the Inspection Section, Wastewater Branch, DDC, At 527-5855 or 523-4345 to arrange for inspection services. Submit 4 sets of approved construction plans. Call 7 days prior to commencement of sewer work. The contractor shall pay for all inspection costs.
11. Sewer manhole frame and covers shall be adjusted and reinstated within 60 calendar days of adjacent repaving completion, to allow City maintenance trucks to regain access to manholes to perform sewer maintenance.

BOARD OF WATER SUPPLY NOTES:

1. 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 1994, as amended, of the Hawaii Highways Division, Department of Transportation, and the City and County of Honolulu Board of Water Supply's "WATER SYSTEM STANDARDS", DATED 2002, THE "WATER SYSTEM EXTERNAL CORROSION CONTROL STANDARDS", VOLUME 3, DATED 1991, and all subsequent amendments and additions.
2. The Contractor shall notify BWS Capital Projects Division, Construction Section in writing and submit six (6) sets of approved construction plans one week prior to commencing work on the water system.
3. All plans approved by the Board of Water Supply are based solely on the adequacy of the water supply.
4. The Contractor shall be responsible for the protection of all water lines during construction. The Contractor shall be especially careful when excavating behind water line tees and bends wherever there is a possibility of water line movement due to removal of the supporting earth beyond the existing reaction blocks. The Contractor shall take whatever measure necessary to protect the water lines, such as constructing special reaction blocks (with BWS approval) and/or modifying their construction methods.
5. 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 and shall pay for all damages to existing utilities. The Contractor shall not assume that where no utilities are shown, that none exist.
6. Reapproval shall be required if this project is not under construction within a period of two years.
7. The Contractor shall verify all existing service lateral locations, whether or not shown on the plans, prior to commencing with any of the work and shall not assume that, where no services are shown, none exists.
8. Prior to any excavation, the Contractor shall verify in the field the location of existing water mains and appurtenances.
9. Maintain 3'-0" minimum cover for all existing waterlines from new finish grade. The Contractor shall probe the waterline and service laterals and submit the probing data to BWS Capital Projects Division, Construction Section. Any adjustments to the existing water system required during construction, to meet the minimum cover and the requirements of the BWS standards, whether shown on plans or not, shall be done by the Contractor at no cost to BWS.
10. The contractor shall adjust all manhole frames/valve boxes/meter boxes within the reconstructed areas. The Contractor shall be responsible for "referencing" these manholes/valve boxes/meter boxes to facilitate the adjustments.
11. Contractor shall cut and plug all existing unused laterals at the main whether or not shown on the plans. Meter and valve boxes to be or already abandoned shall be demolished or removed and properly disposed of. The damaged area shall be repaired to an equal or better condition than the immediate area. All work shall be done at the expense of the Contractor and at no cost to the BWS.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(030)	2021	5	50

Approved :



MANAGER & CHIEF ENGINEER, BWS

DEC 10 2020

Date

(For work affecting BWS Facilities in City/State R/W and BWS easements only)

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
	DESIGNED BY	
	CHECKED BY	
NOTE BOOK		
No.		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

UTILITY NOTES

NIMITZ HIGHWAY & ALA MOANA BOULEVARD RESURFACING  
SAND ISLAND ACCESS ROAD TO VICINITY OF PIIKOI STREET  
FEDERAL-AID PROJECT NO. NH-092-1(030)

HAWAIIAN TELCOM (HTCO) NOTES:

1.

All applicable construction work shall be done in accordance with the "Verizon Hawaii Inc." Standard Specifications for Placing Underground Telephone Systems", dated March 1999, all subsequent amendments and additions, and all other pertinent standards for telephone construction. The Contractor shall familiarize his personnel by obtaining applicable specifications.
2.

The location of HTCO existing facilities are approximate only. The Contractor shall exercise extreme caution and shall maintain proper clearances whenever construction crosses or is in close proximity to HTCO facilities. The Contractor shall verify their locations and shall be liable for any damages to HTCO facilities. Any damages shall be report immediately to HTCO's Repair Section at #611 (24 hours) or to the Excavation Permit Section at 840-1444 during normal work day hours, Monday through Friday, except holidays.
3.

For underground cable locating and marking, five working days advance notice is required. Three working days advance notice is required for any inspection by a designated representative.
4.

The Contractor shall take necessary precautions not to damage any existing cables or ducts. Any work involving existing HTCO's cables or ducts shall be done in the presence of a HTCO Inspector or designated representative.
5.

The Contractor shall obtain an excavation permit and toning request from HTCO Excavation Permit Section, located at 3239 Ualena Street third floor, two weeks prior to the start of construction. Hours of business are 7:00 a.m. to 10:45 a.m. and 11:30 a.m. to 2:45 p.m., Monday through Friday, except holidays.
6.

The Contractor shall notify HTCO Inspector or designated representative 72 hours prior to excavation, bracing or backfilling of HTCO structures or facilities.
7.

When excavation is adjacent to or beneath HTCO existing structures or facilities, the Contractor shall :

A.

Sheet and/or brace the excavation to prevent slides, cave-ins or settlements to ensure no movement to HTCO structures or facilities.

B.

Protect existing structures and/or facilities with beams, struts or underpinning while excavating beneath them to ensure no movement to HTCO structures or facilities.
8.

Should it become necessary to relocate any HTCO facilities, the work shall be done by HTCO. The Contractor shall be responsible for all coordination and costs associated with the relocation.
9.

When connecting to manhole walls, all existing reinforcing bars shall be left intact. Duct shall be adjusted in the field in order to clear reinforcing.
10.

All construction must be inspected and approved by HTCO prior to the installation of any of its facilities and the energizing of its systems. HTCO will commence installation only after the construction has been approved and no sooner than thirty working days thereafter.
11.

The Contractor shall pump all manholes dry during final inspection.

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HAWAII	HAW.	NH-092-1(030)	2021	6	50

ORIGINAL PLAN NOTE BOOK No.	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
	DESIGNED BY	
	CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

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