

COPY

BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU
630 SOUTH BERETANIA STREET
HONOLULU, HI 96843
www.boardofwatersupply.com



March , 2022

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Manager and Chief Engineer

ELLEN E. KITAMURA, P.E.
Deputy Manager and Chief Engineer

Honolulu, Hawaii

Dear Mr.

**Subject: Your Letter Dated _____ Requesting Comments on the
Availability of Water and Flow and Pressure Data for the Proposed New
at _____**

Thank you for your letter regarding the proposed development.

The existing Honolulu water system capacity has been reduced by 20 percent due to the shut-down of the Halawa Shaft pumping station. Upon learning of the fuel contamination of the Navy's Red Hill Shaft pumping station which supplies Joint Base Pearl Harbor Hickam (JBPHH), this pumping station was shut down to reduce the potential for fuel contamination to get into the Board of Water Supply (BWS) water system serving Honolulu from Halawa to Hawaii Kai. Water distributed via the BWS system continues to be safe to drink.

Presently, there is no moratorium on the issuance of new water meters or approval of requests for larger water meters for the Honolulu water system. If, and when, this situation changes, we will engage with related industries and the public to seek input.

Although we cannot, as a matter of course, confirm the adequacy of our water system to accommodate the proposed development, the final decision on the availability of water will be confirmed when the building permit application is submitted for approval based on the conditions in the water system at that time. The BWS reserves the right to change any position or information stated herein, up and until the final approval of the building permit application.

We are closely monitoring water usage and will keep the public informed. If consumption by our customers exceeds the available water supply capacity, we will ask for voluntary conservation and, if necessary, mandatory conservation. Water use is seasonal and tied to weather conditions. The hot and dry summer months are when water demand is at its greatest. Please visit our website at boardofwatersupply.com for the latest updates and water conservation tips.

The existing water system cannot provide adequate off-site fire protection to the proposed development. The BWS Water System Standards (WSS) require a fire hydrant spacing of 250 feet in the vicinity of developments and provide a flow of 2,000 gallons per minute (gpm). The nearest fire hydrant, Fire Hydrant No. is approximately linear feet away from the parcel with Tax Map Key: Therefore, the developer will be required to install the necessary water system improvement in accordance with the BWS WSS.

When water is made available, the applicant will be required to pay our Water System Facilities Charges (WSFC) for resource development, transmission, and daily storage.

Water conservation measures are required for all proposed developments. These measures include utilization of nonpotable water for irrigation using rain catchment, drought tolerant plants, xeriscape landscaping, efficient irrigation systems, such as a drip system and moisture sensors, and the use of Water Sense labeled ultra-low flow water fixtures and toilets.

The construction drawings should be submitted for our approval, and the construction schedule should be coordinated to minimize impact to the water system.

The BWS has suspended fire flow tests on fire hydrants as a water conservation measure. However, you may use the following calculated flow data for Fire Hydrant No. :

Static Pressure.....	57 psi
Residual Pressure.....	44 psi
Flow.....	2,000 gpm

The data are based on the existing water system, and the static pressure represents the theoretical pressure at the point of calculation with the reservoir full and no demands on the water system. The static pressure is not indicative of the actual pressure in the field. Therefore, to determine the flows that are available to the site, you will have to determine the actual field pressure by taking on-site pressure readings at various times of the day and correlating that field data with the above hydraulic design data.

Mr.
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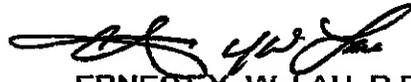
The map showing the location of the fire hydrant is attached.

The on-site fire protection requirements should be coordinated with the Fire Prevention Bureau of the Honolulu Fire Department.

BWS may waive the WSFC and new meter cost for qualified on-site affordable and homeless dwelling units, up to 500 dwelling units per year. The waivers will be granted when the building permit is submitted for approval. To qualify, the dwelling units must be certified as either affordable or homeless dwelling units by the appropriate agency of the City and County of Honolulu and the certification provided when the building permit application is submitted for review and approval. For non-qualifying units, the applicant will be required to pay our WSFC Charges for resource development, transmission, and daily storage.

If you have any questions, please contact Ernest Lau, Manager and Chief Engineer at (808) 748-5061.

Very truly yours,



ERNEST Y. W. LAU, P.E.
Manager and Chief Engineer

Attachment