

## Portland Water District

FROM SEBAGO LAKE TO CASCO BAY

July 2, 2014

WBRC Architects-Engineers  
30 Danforth Street, Suite 306  
Portland, ME 04101

Attn: Chris Parent, EI  
Re: Danforth/York Parking Garage; 101 York Street, Portland  
Ability to Serve with PWD Water

Dear Mr. Parent:

The Portland Water District has received your request for an Ability to Serve determination for the noted site submitted on May 23, 2014. Based on the information provided, we can confirm that the District will be able to serve the proposed project as further described in this letter.

**Please note that this letter does not constitute approval of this project from the District.** Please review this letter for any special conditions specified by the District and to determine the appropriate next steps to take to move your project through the submittal and approval process.

### Existing Site Service

According to District records, the project site does currently have existing water service. There are numerous existing water services at this site connected to the water mains in York, High and Danforth Streets. Please refer to the "Conditions of Service" section of this letter for requirements related to the use of these services.

### Water System Characteristics

According to District records, there are a combination of 6-inch and 8-inch diameter water mains within York, High and Danforth Streets, and public fire hydrants located as shown on the attached infrastructure map.

The current data from the nearest hydrant with flow test information is as follows:

Hydrant Location: Danforth Street at Maple Street  
Hydrant Number: POD-HYD00133  
Last Tested: 3/26/2008  
Static Pressure: 91 psi  
Residual Pressure: 88 psi  
Flow: 1,644 GPM

### Public Fire Protection

You have not indicated whether this project will include the installation of new public hydrants to be accepted into the District water system. The decision to require new hydrants and to



determine their locations is solely that of the local fire department. It is your responsibility to contact the Portland Fire Department to ensure that this project is adequately served by existing and/or proposed hydrants.

#### Domestic Water Needs

The ability to serve request indicated that the new development is estimated to demand 5,520 gallons per day. The data noted above indicates there should be adequate pressure and volume of water to serve the domestic water needs of your proposed project. Based on the high water pressure in this area, we recommend that you consider the installation of pressure reducing devices that comply with state plumbing codes.

#### Private Fire Protection Water Needs

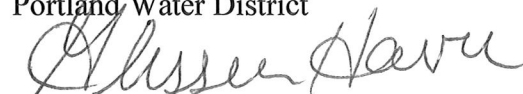
You have indicated that this project will require water service to provide private fire protection to the site. Please note that the District does not guarantee any quantity of water or pressure through a fire protection service. Please share these results with your sprinkler system designer so that they can design the fire protection system to best fit the noted conditions. If the data is out of date or insufficient for their needs, please contact the MEANS Division to request a hydrant flow test and we will work with you to get more complete data.

#### Conditions of Service

The District can confirm that the existing water system and the sewer treatment and interception systems have the capacity to serve the proposed parking garage and mixed-use four story building. Please contact the City of Portland for specifics related to the City's sewer collection system. The District has found evidence of at least 13 existing water services from York, High and Danforth Streets that enter through the properties frontage. Any existing services that will no longer be used as a result of this development must be terminated at the water main per District standards. Typically service termination would be the responsibility of the developer; however, since the District has plans to replace the water mains in York, High and Danforth Streets. At the time of the new installation any unused services will not be reconnected to the new water main. If the timing of the District's renewal project permits, it may be beneficial to work with the development team to have any new services installed along with the new main installation.

As your project progresses, we advise that you submit any preliminary design plans to MEANS for review of the water service line configuration. We will work with you to ensure that the design meets our current standards. If the District can be of further assistance in this matter, please let us know.

Sincerely,  
Portland Water District



Glissen Havu, E.I.  
Design Engineer