



## Portland Water District

FROM SEBAGO LAKE TO CASCO BAY

April 8, 2019

Sam Lebel, E.I.  
Acorn Engineering, Inc.  
158 Danforth Street  
Portland, ME 04102

Re: 145\_165 Presumpscot Street, PO  
Ability to Serve with PWD Water - **REVISED**

Dear Mr. Lebel:

The Portland Water District has received your request for an Ability to Serve Determination for the noted site submitted on May 29, 2018. Based on the information provided per plans dated April 8, 2019, 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 constitutes approval of the water system as currently designed. Any changes affecting the approved water system will require further review and approval by PWD.**

### Conditions of Service

The following conditions of service apply:

- The existing service lines at 145 and 165 Presumpscot Street may be used to provide fire and domestic water service to the buildings as long as the project team determines that they will provide adequate flow and pressure for the proposed use. The domestic water service connection from the Office to Building #1 at 165 Presumpscot Street must be made after the meter and backflow prevention device.
- An approved backflow prevention device must be installed on the domestic service line directly after the meter at 145 and 165 Presumpscot Street. Please refer to the PWD website for more information on cross-connection control policies.

### Existing Site Service

According to District records, the project site does currently have existing water service. At 145 Presumpscot Street, a 6-inch diameter cast iron service line provides fire service to the site and a 1-inch copper water service line provides domestic water service to the site; at 165 Presumpscot Street an 8-inch diameter cast iron service line provides fire service to the site and a 1-inch service line is connected on private to supply domestic water service to the small office building. Please refer to the "Conditions of Service" section of this letter for requirements related to the use of this service.



### Water System Characteristics

According to District records, there is an 12-inch diameter ductile iron water main in Presumpscot Street and a public fire hydrant located approximately 100 feet from the site. Recent flow data is not available in this area. The most recent static pressure reading was 103 psi.

### Public Fire Protection

The installation of new public hydrants to be accepted into the District water system will most likely not be required. It is your responsibility to contact the City of Portland Fire Department to ensure that this project is adequately served by existing and/or proposed hydrants.

### Domestic Water Needs

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 MEANS to request a hydrant flow test and we will work with you to get more complete data.

Should you disagree with this determination, you may request a review by the District's Internal Review Team. Your request for review must be in writing and state the reason for your disagreement with the determination. The request must be sent to MEANS@PWD.org or mailed to 225 Douglass Street, Portland Maine, 04104 c/o MEANS. The Internal Review Team will undertake review as requested within 2 weeks of receipt of a request for review.

If the District can be of further assistance in this matter, please let us know.

Sincerely,  
Portland Water District



Robert A. Bartels, P.E.  
Senior Project Engineer