



Portland Water District

FROM SEBAGO LAKE TO CASCO BAY

December 19, 2013

Mark Mueller Architects
100 Commercial Street
Suite 205
Portland, Maine 04101

Attn: Matt Provencal, Assoc. AIA
Re: 46 Market Street, Portland
Ability to Serve with PWD Water

Dear Mr. Provencal:

The Portland Water District has received your request for an Ability to Serve determination for the noted site submitted on December 3, 2013. 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. A 1-inch diameter copper water service line, located as shown on the attached water service card, provides water service to this site. 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 a 6-inch diameter cast iron water main on the south side of Milk Street and a public fire hydrant located across the street from the site.

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

Hydrant Location: Milk Street at Market Street
Hydrant Number: POD-HYD00276
Last Tested: 8/15/1991
Static Pressure: 95 psi
Residual Pressure: Not Measured
Flow: 1,363 GPM



Public Fire Protection

It is not anticipated that 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 data noted above indicates there should be adequate pressure and volume of water to serve the domestic water needs of the proposed second and third floor renovation. 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 not indicated whether 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. Should private fire protection be required, 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

It is the District's understanding that the second and third floor will be renovated into 5 one-bedroom residential units. The existing 1-inch domestic service is undersized to serve the proposed use and will need to be retired by shutting the corporation valve and cutting the pipe from the main. New service(s) may be installed through the properties frontage on Milk Street. Please note that only one meter and one bill will be associated to each domestic service line. This one master meter would be located in a common space that all tenants could gain access to if necessary. If a single service will be installed to serve the domestic needs of the entire building, then a 2-inch diameter water service would be sufficient. If separate billing is desired please contact MEANS to properly size the services.

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