Portland Water District

From Sebago Lake To Casco Bay

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 06/26/13

June 18, 2012

Colby Company Engineering
47A York Street
Portland, ME 04101

Attn: Sonia Barrantes
Re: 760 Ocean Avenue, Portland
Ability to Serve with PWD Water

Dear: Ms. Barrantes

The Portland Water District has received your request for an Ability to Serve determination for the noted site submitted on May 14, 2012. 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. An 8-inch diameter ductile iron fire 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 12-inch diameter cast iron water main on the east side of Ocean Avenue and a public fire hydrant located 130-feet from the site.

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

Hydrant Location:	Ocean Avenue 400' northeast of Wellstone Drive
Hydrant Number:	POD-HYD01229
Last Tested:	8/30/1988
Static Pressure:	68 psi
Residual Pressure:	Not Measured
Flow:	1,221 GPM

225 Douglass Street P.O. Box 3553 Portland, Maine 04104-3553
Phone: 207.774.5961 Fax: 207.761.8307 Web: www.pwd.org

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Public Fire Protection

You have not indicated whether this project will include the installation of new pu to be accepted into the District water system. The decision to require new hydran determine their locations is solely that of the local fire department. It is your resp 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 five lot subdivision.

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

Since four of the five homes would not have frontage on Ocean Avenue, also considering the number of proposed homes, a main extension would be required to serve five homes at this location. This main extension would be installed at the developer's expense with ownership transferring to the District upon acceptance. The water main must be 8-inch diameter ductile iron piping unless the Portland Fire Department determines that a hydrant would not be required. If no hydrant is required then 4-inch diameter ductile iron pipe would be acceptable. There is currently an unused 8-inch fire service that could potentially be used as a stub for a main extension.

An individual service line would be allowed to serve any parcels that have deeded frontage along Ocean Avenue. Considering the distance from the water main to the proposed homes, I believe that 2-inch piping should be installed on private property to avoid significant loss of pressure due to friction in the pipe. Since a sprinkler system will likely be required due to City of Portland ordinances, the sprinkler company would need approve the size of the service pipe.

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

Sincerely,
Portland Water District

Rico Spugnardi, P.E.
Business Development Engineer