



Michael J. Bobinsky
Director of Public Services

18 December 2013

Mr. Tom Greer,
Pinkham & Greer Consulting Engineers,
28 Vannah Avenue,
Portland, Maine 04103

RE: The Capacity to Handle Wastewater Flows, from a Proposed Condominium and Retail Mixed Use Redevelopment, at 118 Congress Street.

Dear Mr. Greer:

The existing eighteen-inch diameter, ovate, brick, combined sewer pipe, located in St. Lawrence Street, has adequate capacity to **transport**, while The Portland Water District sewage treatment facility, located off Marginal Way, has adequate capacity to **treat**, the total anticipated increase in wastewater flows of **3,300 GPD**, from this proposed project.

Anticipated Wastewater Flows from the Proposed Condominium/Retail Units:

12 Proposed Three-Bedroom Condominiums @ 270 gpd per Condominium	= 3,240 GPD
5 Proposed Retail Employees @ 12 gpd per employee	= <u>60 GPD</u>
Total Proposed Increase in Wastewater Flows for this Project:	3,300 GPD

The City combined sewer overflow (C.S.O.) abatement consent agreement (with the U.S.E.P.A., and with the Maine D.E.P.) requires C.S.O. abatement, as well as storm water mitigation, from all projects, in order to offset any increase in sanitary flows. If the City can be of further assistance, please call 874-8832.

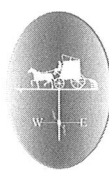
Sincerely,
CITY OF PORTLAND

Frank J Brancely, B.A., M.A.
Senior Engineering Technician

FJB

CC: Jeffrey Levine, Director, Department of Planning, and Urban Development, City of Portland
Barbara Barhydt, Development Review Services Mgr., Dep't. of Planning, and Urban Development, City of Portland
Jean Fraser, Planner, Department of Planning, and Urban Development, City of Portland
David Margolis-Pineo, Deputy City Engineer, City of Portland
Michael Farmer, P.E., Project Engineer, City of Portland
Bradley A. Roland, P.E., Environmental Projects Engineer, City of Portland
John Emerson, Wastewater Coordinator, City of Portland
Rhonda Zazzara, Field Inspection Coordinator, City of Portland
Jane Ward, Administrative Assistant, City of Portland

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Portland Water District

FROM SEBAGO LAKE TO CASCO BAY

December 2, 2013

Pinkham & Greer
28 Vannah Avenue
Portland, ME 04103

Attn: Thomas S. Greer, P.E.
Re: 118 Congress Street, Portland
Ability to Serve with PWD Water

Dear Mr. Greer:

The Portland Water District has received your request for an Ability to Serve determination for the noted site submitted on October 31, 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 ¾-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 12-inch diameter cast iron water main on the west side of Congress Street and an 8-inch diameter cast iron water main on the south side of St. Lawrence Street as well as 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: St. Lawrence Street at Congress Street
Hydrant Number: POD-HYD00406
Last Tested: 6/24/1991
Static Pressure: 40 psi
Residual Pressure: Not Measured
Flow: 822 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 16 residential units and retail space.

Private Fire Protection Water Needs

It is anticipated 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. 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

The ability to serve request indicated that this site will be redeveloped into 16 residential units and a 1,145 sq. ft. retail space. It is the Districts understanding that new services will be required to provide domestic water and private fire protection to the site. The existing 3/4-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 fire and domestic services may be installed through the properties frontage on either Congress Street or St. Lawrence 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.

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