SITE PLAN APPLICATION
218-220 WASHINGTON AVENUE
WRITTEN SUBMISSION N - UTILITIES

THIS PROJECT WILL BE SERVED WITH WATER SUPPLY FROM THE PORTLAND WATER DISTRICT – AN ABILITY TO SERVE LETTER IS ATTACHED.

PUBLIC SEWER WILL BE PROVIDED BY THE CITY OF PORTLAND – A WASTEWATER CAPACITY APPLICATION IS ATTACHED.

ELECTRICAL SERVICE WILL BE PROVIDED BY CENTRAL MAINE POWER, NATURAL GAS WILL BE SERVED BY UNITIL, PHONE AND DATA WILL BE PROVIDED BY FAIRPOINT AND TIME WARNER CABLE.

Portland Water District
FROM SEBAGO LAKE TO CASCO BAY

November 3, 2016

Will Conway
75 John Roberts Road Suite 1A
South Portland, ME 04106

Re: 218 Washington Avenue, PO
Ability to Serve with PWD Water

Dear Mr. Conway:

The Portland Water District has received your request for an Ability to Serve Determination for the noted site submitted on August 24, 2016. Based on the information provided per concept plans submitted to PWD 11/1/16, 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. Review and approval of final plans is required.**

Conditions of Service

The following conditions of service apply:

- A new 4-inch domestic service may be installed from the water main in Washington Avenue. A separate fire service line to be sized by your sprinkler designer will need to be approved by PWD when this becomes available. Backflow prevention devices are required on both service lines. The services should enter through the properties frontage on Washington Avenue at least 10-feet from any side property lines and at least 3-feet face to face separation between service lines.

- The existing building is currently served with a ¾-inch domestic water service; the size of this service is undersized for the proposed use. This service must be terminated by shutting the corporation valve and cutting the pipe from the water main.

- Water District approval of water infrastructure plans will be required for the project prior to construction. As your project progresses, we advise that you submit any preliminary design plans to MEANS for review of the water main and water service line configuration. We will work with you to ensure that the design meets our current standards.

- Once the project is ready for construction, the owner or contractor will need to make an appointment to come in and complete a service application form and pay the necessary fees.

Existing Site Service

According to District records, the project site does currently have existing water service. A 3/4-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 an 8-inch diameter cast iron water main in Washington Avenue and a public fire hydrant located 430 feet from the site. The most recent static pressure reading was 80 psi on August 25, 2016.

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 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.

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

Gordon S. Johnson, P.E.
Engineering Services Manager

CITY OF PORTLAND WASTEWATER CAPACITY APPLICATION

Department of Public Services,
55 Portland Street,
Portland, Maine 04101-2991

Bradley Roland, P.E.
Water Resources Division

Date: _____

1. Please, Submit Utility, Site, and Locus Plans.

Site Address: 218 - 220 Washington Avenue
Chart Block Lot Number: Map 10 Block A Lot 10 +15

Proposed Use: 45 Residential Condos
Previous Use: 1 & 2 bedroom home
Existing Sanitary Flows: 180 GPD
Existing Process Flows: 0 GPD
Description and location of City sewer that is to receive the proposed building sewer lateral.

Site Category:
- Commercial *(see part 4 below)* ☐
- Industrial *(complete part 5 below)* ☐
- Governmental ☐
- Residential ☑
- Other *(specify)* ☐

Clearly, indicate the proposed connections, on the submitted plans.

2. Please, Submit Contact Information.

City Planner's Name: TBD Phone: —
Owner/Developer Name: 218 - 220 Washington Avenue LLC
Owner/Developer Address: 199 Elderberry Road South Portland ME 04106
Phone: 749.0000 Fax: — E-mail: marietta@aol.com
Engineering Consultant Name: Sebago Technics Inc - Will Conway
Engineering Consultant Address: 75 John Roberts Road So. Portland 04106
Phone: 200.2055 Fax: 856.2206 E-mail: wconway@sebagotechnics.com

Note: Consultants and Developers should allow +/- 15 days, for capacity status, prior to Planning Board Review.

3. Please, Submit Domestic Wastewater Design Flow Calculations.

Estimated Domestic Wastewater Flow Generated: 6780 GPD
Peaking Factor/ Peak Times: N/A
Specify the source of design guidelines: *(i.e. "Handbook of Subsurface Wastewater Disposal in Maine," "Plumbers and Pipe Fitters Calculation Manual," Portland Water District Records, Other (specify)* _____

Note: Please submit calculations showing the derivation of your design flows, either on the following page, in the space provided, or attached, as a separate sheet.

(22) One Bedroom Units @ 120 gpd = 2640 gpd
(23) Two Bedroom Units @ 180 gpd = 4140 gpd
6780 gpd Total

4. Please, Submit External Grease Interceptor Calculations.

Total Drainage Fixture Unit (DFU) Values: _____

Size of External Grease Interceptor: _____

Retention Time: _____

Peaking Factor/ Peak Times: _____

Note: In determining your restaurant process water flows, and the size of your external grease interceptor, please use The Uniform Plumbing Code. Note: In determining the retention time, sixty (60) minutes is the minimum retention time. Note: Please submit detailed calculations showing the derivation of your restaurant process water design flows, and please submit detailed calculations showing the derivation of the size of your external grease interceptor, either in the space provided below, or attached, as a separate sheet.

5. Please, Submit Industrial Process Wastewater Flow Calculations

Estimated Industrial Process Wastewater Flows Generated: _____GPD

Do you currently hold Federal or State discharge permits? Yes____No ____

Is the process wastewater termed categorical under CFR 40? Yes____No ____

OSHA Standard Industrial Code (SIC): *(http://www.osha.gov/oshstats/sicser.html)*

Peaking Factor/Peak Process Times: _____

Note: On the submitted plans, please show where the building's domestic sanitary sewer laterals, as well as the building's industrial-commercial process wastewater sewer laterals exits the facility. Also, show where these building sewer laterals enter the city's sewer. Finally, show the location of the wet wells, control manholes, or other access points; and, the locations of filters, strainers, or grease traps.

Note: Please submit detailed calculations showing the derivation of your design flows, either in the space provided, or attached, as a separate sheet.