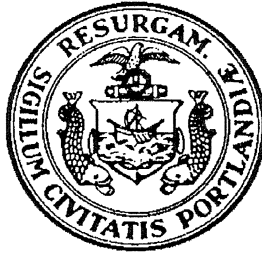


CITY OF PORTLAND WASTEWATER CAPACITY APPLICATION

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



Bradley Roland, P.E.
Water Resources Division

Date: 11/15/2017

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

Site Address: 151-155 WASHINGTON AVE

Chart Block Lot Number: 12/6/1,2,3,8

Proposed Use: OFFICE/RETAIL/WORKSHOP

Previous Use: RETAIL/WORKSHOP

Existing Sanitary Flows: 361 GPD

Existing Process Flows: 0 GPD

Description and location of City sewer that is to receive the proposed building sewer lateral.

COMBINED SEWER WITHIN WASHINGTON AVE TO RECEIVE 6" SEWER LATERAL AND 6" STORM DRAIN.

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

Site Category	Commercial (see part 4 below)	<input checked="" type="checkbox"/>
	Industrial (complete part 5 below)	<input type="checkbox"/>
	Governmental	<input type="checkbox"/>
	Residential	<input type="checkbox"/>
	Other (specify)	<input type="checkbox"/>

2. Please, Submit Contact Information.

City Planner's Name: TBD Phone: _____

Owner/Developer Name: JOHNNY RITZO

Owner/Developer Address: 15 HOWARD STREET PORTLAND, ME 04101

Phone: 577-3873 Fax: _____ E-mail: JOHNNY@KINGANECAPITAL.COM

Engineering Consultant Name: ACORN ENGINEERING, INC.

Engineering Consultant Address: 158 DANFORTH ST PORTLAND, ME 04102

Phone: 775-2655 Fax: _____ E-mail: WSAVAGE@ACORN-ENGINEERING.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: TOTAL: 1,186 GPD/NEW: 825 GPD

Peaking Factor/ Peak Times: DIURNAL FLOW PATTERN

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) MAINE SUBSURFACE WASTEWATER DISPOSAL RULES)

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.

4. Please, Submit External Grease Interceptor Calculations.

Total Drainage Fixture Unit (DFU) Values: N/A NO RESTAURANT
 Size of External Grease Interceptor: PROPOSED
 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: N/A _____ 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.

Calculation of Wastewater Flowrate for 151-155 Washington Ave. Redevelopment

The proposed project will include the development of four stories with retail space on the ground level and office space on the remaining stories. Based upon the Section 4 of the Maine Subsurface Wastewater Disposal Rules, the project anticipates the following daily flows:

Estimate of Design Flows			
Classification of Water Demand	Number of Units	Gallons per Day per unit	Total Gallons per Day
<i>Existing</i>			
Retail (Employee at place of employment with no showers: 12 GPD per employee)	3	12	36
Public Restroom	1	325	325
<i>Proposed</i>			
Office/Retail (Employee at place of employment with showers: 20 GPD per employee)	25	20	500
Public Restroom	1	325	325
Total Existing			361
Total Proposed			825
Net Change			+825 GPD
*Values based on STATE OF MAINE: SUBSURFACE WASTEWATER DISPOSAL RULES, most recent edition			

