M A R K
MUELLER
ARCHITECTS

September 01, 2015

Glissen Havu
Portland Water District
225 Douglass Street
PO Box 3553
Portland, ME 04104-3553

Job: Eastman Block, 11 Brown Street– Portland, Maine
Re: "Ability to Serve"

Glissen,

This letter is a request for a review of the existing installed domestic water system for the addition of four residential dwelling units at the above referenced project & location; an existing domestic & sprinkler water service exists.

We are requesting a feasibility assessment of the additional dwelling units using the existing water service line with regards to current design standards and PWD requirements. The current installed sprinkler system will remain, new heads will be installed per the new plans. If a new service is required please include any street opening requirements and fees etc. from Brown Street into the building.

Any questions maybe forwarded to our office for further interpretation or clarification.

Sincerely,

Matthew Provencal
Architectural Designer

Mark Mueller Architects

100 Commercial St
Suite 205
Portland, Maine 04101
Phone: 207.774.9057
Fax: 207.773.3851
E-Mail:
rfi@muellerarchitects.com
Member AIA

CITY OF PORTLAND WASTEWATER CAPACITY APPLICATION

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

Date: 9/8/15

Mr. Frank J. Brancely,
Senior Engineering Technician,
Phone #: (207) 874-8832,
Fax #: (207) 874-8852,
E-mail:fjb@portlandmaine.gov

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

Site Address: 11 BROWN ST

Chart Block Lot Number: 37 - I - 7

Proposed Use: RESIDENTIAL

Previous Use: VACANT

Existing Sanitary Flows: 0 GPD

Existing Process Flows: 0 GPD

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

EXISTING SYSTEM TO REMAIN
EXISTING RESTAURANT @ 1ST FLOOR TO REMAIN

Site Category		
	Commercial *(see part 4 below)*	
	Industrial *(complete part 5 below)*	
	Governmental	
	Residential	X
	Other *(specify)*	

(Clearly, indicate the proposed connections, on the submitted plans)

2. Please, Submit Contact Information.

City Planner's Name: _____ Phone: _____

Owner/Developer Name: LK EXCHANGE LLC (C/O: DANIEL SOLEY)

Owner/Developer Address: BOX 411 - 100 COMMERCIAL ST, PORTLAND, ME 04101

Phone: 207·808·4713 Fax: — E-mail: soley.daniel@gmail.com

Engineering Consultant Name: _____

Engineering Consultant Address: _____

Phone: _____ Fax: _____ E-mail: _____

(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: 480± GPD

Peaking Factor/ Peak Times: ✓

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)

4. Please, Submit External Grease Interceptor Calculations.

Total Drainage Fixture Unit (DFU) Values: N/A

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: 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 below, or attached, as a separate sheet)

Notes, Comments or Calculation

PROPOSED USE:

2ND FLOOR: 2 RESIDENTIAL UNITS @ 120 gpd/ea = 240 GPD
W/ 1 BEDROOM EACH

3RD & 4TH FLOOR: 1 RESIDENTIAL UNIT EACH W/ 1 BEDROOM EACH
@ 120 gpd/ea = 240 GPD

TOTAL FLOW = 240 + 240 = 480 GPD ESTIMATED FLOW