

From: Patrick Ducas <patrickd@ducasconstruction.com>
To: Jean Fraser <JF@portlandmaine.gov>
Date: 10/22/2015 11:11 AM
Subject: FW: 415 Cumberland Avenue - Portland - New Service Information
Attachments: PO - 415 Cumberland Ave - Infrastructure Map - 2015.pdf; Approved Service Tapping Companies.pdf; Service Application Template - 2015.pdf

Jean

Please be advised that I did have a conversation with Portland Water District back on the 14th of October, and they did convey their belief that there is capacity to serve this project in its new use as a subdivision. There are 12" lines on both Forrest and Cumberland which can be tapped. Brian provided the instructions to request an "Ability to Serve" letter and the application process. I have since submitted by letter requesting "Ability to Serve" and am awaiting final/official confirmation.

Thanks

Patrick

From: Brian Johnson [mailto:brianjohnson@pwd.org] On Behalf Of AMAP Means Email
Sent: Tuesday, October 13, 2015 10:23 AM
To: Patrick Ducas <patrickd@ducasconstruction.com>
Subject: 415 Cumberland Avenue - Portland - New Service Information

Patrick,

Attached is a copy of PWD's infrastructure map noting the location and sizes of the public water mains near 415 Cumberland Avenue - Portland. It is possible to make a new service connection into a public main only after proper review and approval by PWD. Below is a description of the general process for having a new service line installed on the public water system.

Ability to Serve Phase

In order for PWD to give an official opinion on serving the water needs of a site, we will require that a request for an Ability to Serve letter be submitted to our office. This letter should be sent to the PWD MEANS Group at the address noted below or via email to means@pwd.org<blocked::mailto:means@pwd.org>. This letter should include the following information:

- 1) The official address of the site (if one exists) and Assessor's Parcel Number
- 2) A locus map indicating the site seeking water or sewer service with the relevant property boundaries visible
- 3) The project scope explaining the existing and proposed use of the site
- 4) Any known existing public or private water or sewer service pipes on the site
- 5) The expected domestic water, fire protection, irrigation and sewer demands of the site
- 6) A listing of any easements that exist or may be required to provide water or sewer service to the site
- 7) A description of any potential future plans for the subject property or for the properties located adjacent to the site seeking service (for example, potential lot subdivisions)

Once we get this information from a potential customer, we will respond with a formal letter within 30 days explaining PWD's opinion on our ability to serve this site with public water.

Please include a mailing address in your request, a hardcopy of the ability to serve determination letter will be sent to that address.

Plan Review Phase

As your project progresses, we advise that you submit any preliminary design plans to the MEANS Division for review of the water service line configuration. We will work with you or your representative to

ensure that the design meets our current standards.

Pre-Construction Phase

Following PWD Site Plan approval, the next step in the process is for the owner to hire a private contractor to install the new service lines at their cost. While PWD does not have any requirements on who may complete the excavation work for a new service line, the actual tap into a main must be completed by a certified contractor. Attached is a listing of contractors who are approved to complete service taps for various pipe sizes.

Service Application Phase

Once a contractor has been selected and the project is ready to go to construction, it will be necessary to again contact PWD's MEANS Group to arrange for an appointment to fill out a service application. We will complete the attached new service application together at the PWD office. To ensure that the eventual utility account will be set up correctly and that all service lines and meters will be properly sized, the following information will be needed at this time:

- 1) Town-assigned street address
- 2) Billing contact information
- 3) Water service diameter
- 4) Expected peak water usage in gallons per minute (not required for a single family home)
- 5) Fixture count tabulation (only required if peak water usage is not known)
- 6) Description of the proposed meter location (if the meter is further than 300 feet from the property line, a meter pit will be required)

PWD will collect the following fees at the time of the service application:

- 1) Application Fee: \$58 per service line
- 2) Inspection Fee: \$181 flat for 2-inch service or smaller (single services only); \$40.00 per hour for services larger than 2-inch*
- 3) Meter Fee: Based on the meter size (typically between \$200 and \$500, but may be higher for some uses)
- 4) Meter Installation Fee: \$63 flat for meters 2-inch and smaller; \$40.00 per hour for meters larger than 2-inch*
- 5) Water Quality Sample: \$161 for domestic services 2-inch and larger
- 6) Highway Opening Fee: Varies (only applicable for connections made into some State Highways)
- 7) Meter Pit Inspection, Fire Service Activation and Private Hydrant Inspection where applicable estimated at \$40.00 per hour

*Time is estimated based on the project scope. The depositor will receive a credit or a bill at project completion based on actual PWD charges.

An exact fee structure will be developed for this project after all design items have been determined.

Construction Phase

PWD is required to provide inspection of all water service work within the public way. After the applicable fees have been collected and the application accepted, your contractor is advised to contact PWD's Scheduler, Thomas Whitney, at 774-5961 x3037 to arrange for a time for a PWD inspector to witness the water service installation work. Please contact us 3-5 days in advance of your desired construction date to ensure that we will have an inspector available.

If at any time during this process you would like to meet to discuss your project further, please contact the MEANS Group to schedule an appointment with a PWD representative.

Have a great day,

Brian

MEANS Group
Main Extensions and New Services
Portland Water District
225 Douglass Street
Portland, ME 04104-3553
P:(207)774-5961 Ext. 3199
F:(207)761-8307
MEANS@pwd.org

Brian Johnson
Asset Management Technician
Portland Water District
Phone: 207-774-5961 x
E-mail: brianjohnson@pwd.org<<mailto:brianjohnson@pwd.org>>
<http://www.pwd.org>

Portland Water District NOTICE & DISCLAIMER Confidentiality Notice:

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED AND CONFIDENTIAL. Please notify the sender if you have received

this message in error. Recipients should be aware that replies to this message may not be considered confidential under

the Maine Freedom of Access law, 1 M.R.S.A. §402, and may therefore be subject to public disclosure upon request.

[cid:signature-1_9c6c9188-9f78-4fdc-bb28-437ae51a79e8.gif]

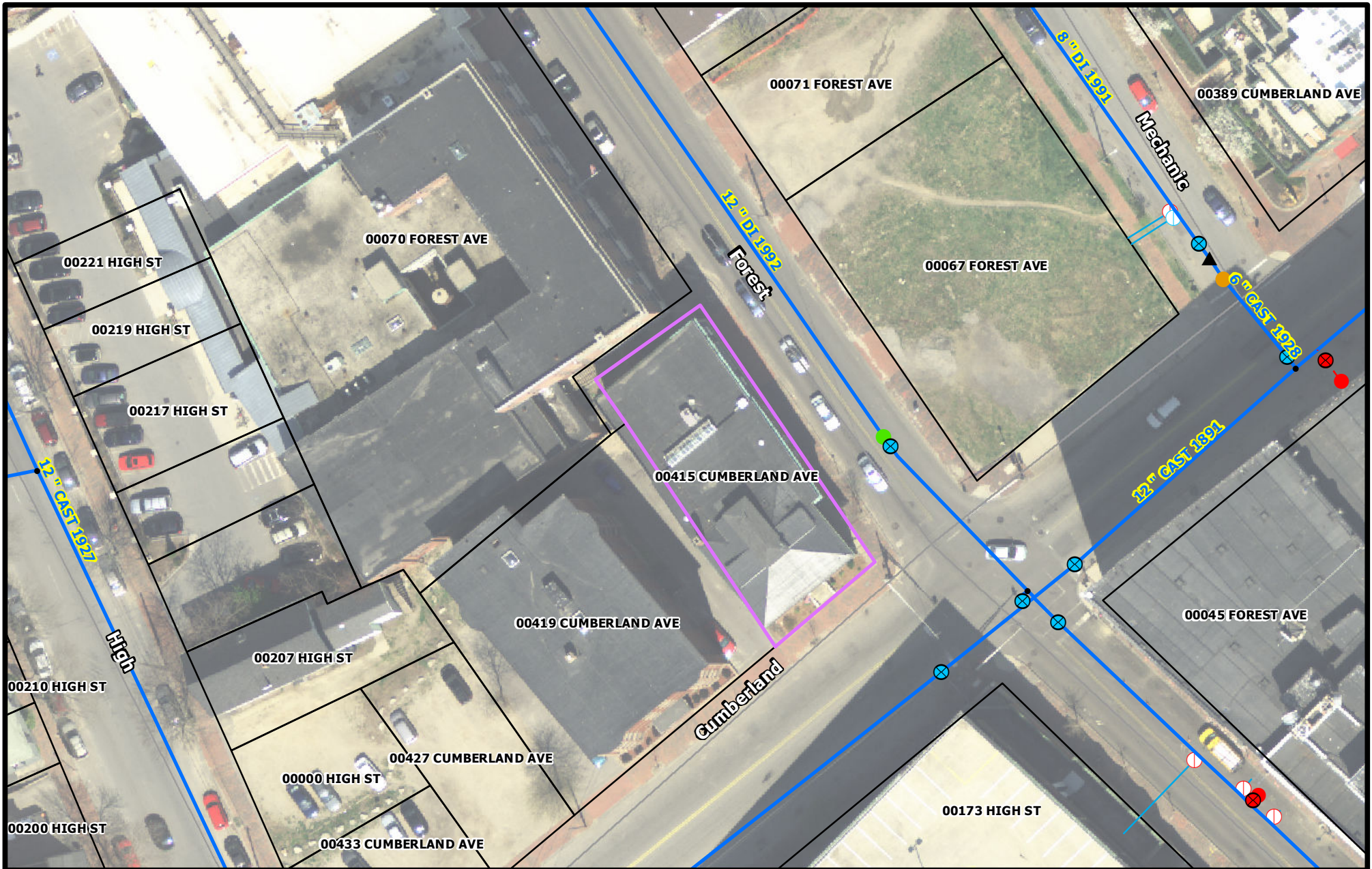
PWD CURRENTLY APPROVED TAPPING COMPANIES - 8/5/15

	Business	Certified to Tap Water Mains	Any Size	2"	1"	Telephone	Location
1	A. H. Grover	Stu, Matt, David Potter, Dan Jackson			x	829-3373	Cumberland Center, ME
2	Advantex Construction & Utility Serv's LLC	Craig Morris, Jeff Haskell		x	x	239-9890	Windham, ME
3	Bowdion Excavation	Rodney Bergeron, Jamey Ivers			x	829-3160	North Yarmouth, ME
4	Chase Excavating	Mica Sawyer, Steve L'Heureux		x	x	797-9093	Falmouth, ME
		Will Chase, Chad Chase, Adam Austin			x		
5	CMC Construction	Mark Oliver, Craig Campbell		x	x	799-2896	South Portland, ME
6	Colex LLC	Brad Nikel		x	x	657-3976	New Gloucester, ME
		Zachary Beardsley			x		
7	Construction Services & Irrigation	Glenn Miller		x	x	222-2512	Gorham, ME
8	D & C Construction	Carl Ivers			x	761-9559	Portland, ME
9	Dearborn Brothers Excavating	Tim Landry, Joe Bishop, Don Harris, Brian Nadeau, Steve Webb			x	839-2272	Buxton, ME
10	Dearborn Land Development	Justin Dearborn		x	x	318-0765	Gorham, ME
11	E. J. Prescott	Ray Morang, Josh Steward, Doug Brown, Zach Lovely, William Terry	x			1-800-873-3292	Gardiner, ME
12	Glidden Excavating & Paving	Tim Baker, Carl Andrew, Pat Maloney			x	839-7061	Gorham, ME
13	Gorham Sand & Gravel	James Shaw, Jim Roberts, Mike Dellinger, James Exley, Jon Davis, Dustin Kelley, Trevor Chapman			x	839-2442	Buxton, ME
		Josh Taylor, Arthur Landry			x		
14	John Hoadley	Special concrete taps	x			781-344-0440	Rockland, MA
15	Keenan Excavating	Frank Keenan, Justin Burby			x	883-7195	South Portland, ME
16	Khriel Excavation	Steve Stuart			x	452-2157	Denmark, ME
17	Leavitt Earthworks	Brian Leavitt (2"), Thomas Aiken (1"), Brian Foudriat (1"), Jared Page (1")		x	x	839-5750	Gorham, ME
18	Lefebvre Landscaping	Craig LeFebvre		x	x	839-3473	Gorham, ME
18	Les Wilson & Sons	Dan Harmon			x	854-4583	Westbrook, ME
19	Littlefield & Hall	Ed Littlefield			x	284-6044	Saco, ME
20	MacDonald's Excavation	Tom Gilbert			x	294-1874	Old Orchard Beach
21	Maietta Construction	David Martino, Jimmy Maietta			x	883-9546	Scarborough, ME
		Herbie Brown, Mike Maietta,		x	x		
22	Maine Earth Moving	Chris Sullivan				883-7669	Scarborough, ME
23	Maine Water Works Supply		x			465-2116	Oakland, ME
24	Murray & Sons	Skip Murray, Lou Miller			x	799-3279	Cape Elizabeth, ME
25	Normand Berube Builders	Dale Wilkinson			x	283-3961	Saco, ME
26	O'Brien Brothers / Pompeo Sand & Gravel	John Pompeo		x	x	776-8130	Gorham, ME
27	Pavement Treatments, Inc.	Pat Maloney, Carl Andrews, Derrick Lewis			x	883-8584	Scarborough, ME
28	P K Sand & Gravel	John Simms, Darrell Cox, Ron Bryce, Bruce Wiley			x	693-6765	Naples, ME
29	Peters Construction	Tom Peters, Brenden Poitras			x	318-8523	Buxton, ME
30	R. E. Coleman	Rodney, Bill Brazier, Ed Doubie, Charlie Grubb		x	x	797-3779	Falmouth, ME
31	Risbara Brothers Construction	Marc Risbara, Mike, Jeff Storey, Mike Sanford, Garrett Risbara, Rod Bailey, Mike Price			x	883-5528	Scarborough, ME
32	R. J. Grondin & Sons	Mike Lamb, Rob Wilson, Jamie Harmon, Don Berry, Larry Tucceri, Jason Hinkley, Ken Grondin, Everette Swasey			x	854-1147	Gorham, ME
33	RM Inc	Mike Flaherty			x	332-5463	South Portland, ME
34	Sam Gramaldi & Sons	Sam Gramaldi			x	773-6905	Portland, ME
35	Shaw Brothers	Jeff Fay, Keith Johnson, Justin Dean			x	839-2552	Gorham, ME
36	Shaw Earthworks	Joe Gammon			x	839-7955	Gorham, ME
37	Shea Brothers	Kelly Day			x		South Hiram, ME
		Gary Smith			x		
38	Smith & Sons	Jake Hall			x	883-1513	Scarborough, ME
		Gary Smith Jr.			x		
39	South Shore Pipeline	Testing & Chlorination services	x			781-878-1425	Hanover, MA
40	Storey Brothers	Dan Vosine, Jim Storey, Shane Libby			x	829-4292	Cumberland, ME
		Eric Storey			x		
		Rick Storey			x		
41	TAS Construction Services	Todd Smith	x			603-234-7010	Pembroke, NH
42	Thayer Excavation Inc	Joe Thayer		x	x	879-9151	South Portland, ME
43	Underground Testing Services	Sean Cambell, Paul Trask, Jay Provencher	x			603-497-5549	Goffstown, NH
44	V & M Construction Service	Mark Verrill, Jasper Crane, Barry Dunlop			x	839-7603	Gorham, ME
45	Webb Construction	Dwight Webb			x	892-2050	Gorham, ME
46	White Brothers	Dennis Smith, Gerry Allaire, Larry Hall			x	854-9173	Westbrook, ME
47	R. N. Wiley Construction	John Mains			x	655-7345	South Casco, ME
48	Williams Earthworks	Danny Williams			x	642-5452	Standish Mine

COMPANIES PERFORMING TRENCHLESS DIRECTIONAL DRILLING WITHIN PWD SERVICE AREA - 1/13/12

	Business	Certified to Bore Water Mains	Telephone	Location
1	AD Electric	Andy Deditch	375-6616	Buxton, Me.
2	Broad Cove Associates	Frank Olsen	829-5187	Cumberland Center, ME
3	ETTI	Scott Kelly	353-5000	Falmouth, ME
4	Rainmaker Irrigation	William Boyle	878-7890	Gardiner, ME
5	Thirsty Turf	Josh Doucette	797-3461	Portland, ME

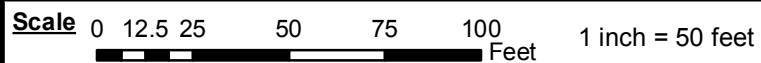
Proof of a valid street opening permit is required or installation will not be permitted.



415 Cumberland Avenue

Portland

PORTLAND WATER DISTRICT
 225 Douglass Street
 Portland, ME 04104



Legend

- | | | | |
|--------------|------------------|------------------|---------|
| Air Valve | Connection | Combined Service | Manhole |
| Blow Off | Attribute Change | Domestic Service | CSO |
| By Pass | Reducer | Fire Service | Gravity |
| Distribution | Hydrant | Private Hydrants | Force |
| Transmission | Hydrant Control | Meter Pits | |



Disclaimer: This map is suitable for preliminary study and analysis and is based on PWD record information. PWD is not liable for any damages whatsoever resulting from inaccurate data or from errors made in the location and marking of its infrastructure.

Drawn By: BSJ

Scale: As Noted

Date: October 13, 2015

REQUIREMENTS BETWEEN APPLICATION AND ACTIVATION

- Inspection Scheduling:** Contact AMaP Scheduler (207-774-5961 x3037) at least five days in advance of installation.
- Service Retirement:** Existing service(s) must be retired as a condition of acceptance of new service line installation.
- Meter Pit Review:** Submit cut sheet of meter pit structure to MEANS@pwd.org for review prior to purchase.
- Meter Pit Inspection:** Contact AMaP Scheduler (207-774-5961 x3037) at least five days in advance of installation.
- Water Sample:** Contact AMaP Scheduler (207-774-5961 x3037) at least five days in advance to collect water sample.
- Fire Service Flushing:** If required, contact AMaP Scheduler (207-774-5961 x3037) at least five days in advance to flush.
- Private Hydrant Inspection:** Contact Customer Service (207-761-8310) at least five days in advance of activation.
- Meter Spool Sign-out:** Visit Customer Service with copy of Service Application.
- Residential Sprinkler Design Review:** Submit sprinkler plan to MEANS@pwd.org for review prior to activation request.
- Service Activation:** Contact Customer Service (207-761-8310) at least five days in advance of activation.
- Well Disconnection:** Private wells must be disconnected as a condition of meter installation.
- Sewer Service:** Contact Systems Chief Operator (207-774-5961 x3105) to schedule the sewer installation inspection.

Note: PETITIONER is responsible for disseminating information to all Subcontractors. The District will work with the PETITIONER in locating its infrastructure based upon the records and information available to it. Be advised that the District SHALL NOT BE LIABLE for any damages whatsoever resulting from errors made in the location and marking of its infrastructure.

PETITIONER: _____
 Address: _____

Petitioner Signature: _____

PWD Representative: _____ PAID

Note: The PETITIONER will receive any refund or bill generated from a reconciliation of PWD costs compared to the deposit amount. **If the DEPOSITOR is a different entity than the PETITIONER, both parties must sign this form and note which fees will be the responsibility of the DEPOSITOR.**

Depositor to receive bill or refund on these fees: Service Installation Fees Account Activation Fees None

Depositor Signature: _____

Petitioner Signature: _____

-----PWD USE ONLY-----

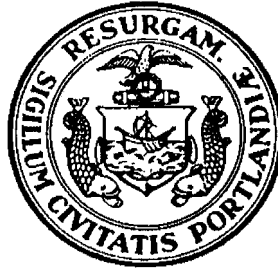
<u>Asset Creation</u>	<u>Quantity</u>	<u>Asset IDs</u>	<u>Work Orders</u>	<u>Completed</u>
Water Service Line Parent/Child <input type="checkbox"/>	1		SVINNW - <input type="checkbox"/> A-SAMP - <input type="checkbox"/> MTINNW - <input type="checkbox"/>	
Service Valve				
Backflow Preventer			WBFAT - <input type="checkbox"/>	
Private Hydrant			A-INSP - <input type="checkbox"/>	
Meter Pit			A-INSP - <input type="checkbox"/>	
Sewer Service Line				

<u>Asset Retirement</u>	<u>FC #</u>	<u>Asset IDs</u>	<u>Work Orders</u>	<u>Completed</u>

<u>Utility Account Alerts</u>	<u>Req'd</u>	<u>Completed</u>	<u>Inspector Package Items</u>	<u>Completed</u>
Water Sample	<input type="checkbox"/>	<input type="checkbox"/>	Account Created <input type="checkbox"/>	
Service Retirement	<input type="checkbox"/>	<input type="checkbox"/>	Deposits Entered <input type="checkbox"/>	
Meter Spool	<input type="checkbox"/>	<input type="checkbox"/>	Budget Numbers <input type="checkbox"/>	
Meter Sizing Calculations	<input type="checkbox"/>	<input type="checkbox"/>	Site Plan Included <input type="checkbox"/>	
Residential Sprinkler	<input type="checkbox"/>	<input type="checkbox"/>	Main Inspection <input type="checkbox"/>	
Speculative Service	<input type="checkbox"/>	<input type="checkbox"/>	Meter Pit Detail <input type="checkbox"/>	
Limited Service Agreement	<input type="checkbox"/>	<input type="checkbox"/>	Application Scanned <input type="checkbox"/>	
Private Well	<input type="checkbox"/>	<input type="checkbox"/>	Address Verified <input type="checkbox"/>	
Meter Pit Inspection	<input type="checkbox"/>	<input type="checkbox"/>	Draw into GIS <input type="checkbox"/>	
Private Hydrant (2 Alerts)	<input type="checkbox"/>	<input type="checkbox"/>	Proposed Data <input type="checkbox"/>	

CITY OF PORTLAND WASTEWATER CAPACITY APPLICATION

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



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

Date: 9-11-15

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

Site Address: 415 Cumberland Ave, Portland ME 04101

Chart Block Lot Number: 036 - G033

Proposed Use: Multi Family Housing

Previous Use: Office

Existing Sanitary Flows: 349 GPD

Existing Process Flows: N/A 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)

x

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

2. Please, Submit Contact Information.

City Planner's Name: _____ Phone: _____

Owner/Developer Name: Patrick Ducas

Owner/Developer Address: 17 Chestnut Street, Portland ME 04101

Phone: 207-536-0838 Fax: _____ E-mail: patrickd@ducasconstruction.com

Engineering Consultant Name: N/A

Engineering Consultant Address: N/A

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: 1,440 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)

long periods of time. As such, these design flows anticipate variations in flow among different establishments of the same class as well as flow variations over time in the same establishment. These design flows also assume wastewater with strengths typical of the class of establishment.

3. Design flow: Each component of the system must be designed and installed to adequately treat and dispose of the amount of wastewater expected to be discharged from the premises to be served. Design flows for private residences are prescribed in Section 4(E) and Table 4A. Design flows for commercial or institutional establishments are prescribed in Section 4(F) and Table 4C.

E. DESIGN FLOWS FOR DWELLING UNITS

1. Single-family dwelling units: The design flows for single-family dwelling units including in-law apartments, connected to subsurface wastewater disposal systems is calculated, based on Table 4A.

**TABLE 4A
DESIGN FLOWS FOR SINGLE FAMILY DWELLING UNITS**

Bedrooms	GPD per dwelling unit
2 or less	180
3	270
4	360
5	450
6	540
Each additional bedroom	90 per bedroom
In-law apartment	120
Primitive disposal field	25
Limited disposal field	100
Bunkhouse	20 per bed

(6) 1 Beds x 120gpd = 720 GPD
(4) 2 beds x 90gpd = 720 GPD
Total projected GDP = 1,440.00 GPD

2. Multiple family dwelling units: The design flow for multiple family dwelling units is calculated at 120 gallons per day per unit for 1-bedroom units, and 90 gallons per day per bedroom for multiple bedroom units.

F. DESIGN FLOWS FOR OTHER FACILITIES

1. General: The design flow must be the maximum flow that may reasonably be expected to be discharged from a residential, commercial, or institutional facility on any day of operation. It must be expressed in gallons per day. The design flow must not be considered as an average daily flow. It incorporates a factor of safety over the average flows to accommodate peak wastewater flows or facilities that discharge greater than the average flows of wastewater either occasionally or on a regular basis. The design flow is calculated as follows:
2. Base flow: To determine base design flow, multiply the design flow per unit/user from the value in Table 4C by the number of units or users.
3. Employee contribution: When employees will be present at the establishment, estimate the maximum number of employees who may be present during a single day of operation. Then multiply the number of employees by the design flow per employee.
4. Design flows: The values listed in Table 4C are minimum requirements for average facilities in the categories listed and the total design flow is the result of the summation of base flow in Section 4(F)(2) and Employee Contribution in Section 4(F)(3). Where actual water use data is available relating to the facility, the Department may approve the use of an alternative design flow. In such a case, the value used for the design flow must meet the requirements in Section 4(G).
5. Non-standard design flows: Design flows which are not based upon Table 4A or Table 4C, or upon water use records, require prior review and approval from the Department.

From: David Margolis-Pineo
To: Patrick Ducas
CC: Barbara Barhydt; Benjamin Pearson; Helen Donaldson; Jean Fraser; Jef...
Date: 10/20/2015 10:20 AM
Subject: Wastewater Capacity Application Approval for 415 Cumberland Ave
Attachments: David Margolis-Pineo.vcf

October 20, 2015

Patrick Ducas (patrickd@ducasconstruction.com)
17 Chestnut Street
Portland, ME 04101

RE: The Capacity to Handle Wastewater Flows from 415 Cumberland Ave

Dear Mr. Ducas:

The Department of Public Services, which includes the Water Resource Division, has reviewed and determined that the downstream sewers from 415 Cumberland Ave has the capacity to convey the estimated 1,440 gallons per day of wastewater which will be generated from this multi family housing project. It is understood that no sources of stormwater runoff, roof drainage, or any other non-contaminated water shall be introduced to the wastewater collection system from this development. If roof drainage is currently discharging to the sanitary sewer system, we are requesting that the roof discharge be redirected to sidewalk or street level.

If the City can be of further assistance, please call me at 874-8850 or 400-6695.

Sincerely,

CITY OF PORTLAND

David Margolis-Pineo

David Margolis-Pineo
Deputy City Engineer

Anticipated Wastewater Flows from the proposed Multi Family Housing:

Six- One Bedroom Units @ 120 gpd/Unit = 720 gpd

Four – Two Bedroom Unit @ 180 gpd/Unit = 720 gpd

Total = 1,440 gpd

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
Nell Donaldson, Department of Planning and Urban Development, City of Portland
Shukria Wiar, Planner, Department of Planning and Urban Development, City of Portland
Jean Fraser, Planner, Department of Planning and Urban Development, City of Portland
Nancy Gallinaro, Water Resources Manager
Benjamin N. Pearson, E.I., Industrial Pretreatment Coordinator, City of Portland
John Emerson, Wastewater Coordinator, City of Portland

David Margolis-Pineo
Deputy City Engineer

Department of Public Services
55 Portland St.
Portland, ME 04101
Office 207-874-8850
Fax 207-874-8852
Cell 207-400-6695
dmp@portlandmaine.gov