

System	Tributary Area (SF)	Tributar y Area (acres)	Treatment Approach	Required Filterra Sizing (sf)/Number of Storm Treats (ea)	Filterra Size (sf)/Storm Treats Provided (ea)	Water Quality Volume (CF)	1 Yr. Peak Flow (CFS)	# Chambers (SC740) Required	Storage Volume Required (CF)*	"Brentwood Tanks Required (See Plan for Dimension)"	"Brentwood Tanks Provided (1.5' x 3' x 2)"	"Peak Flow 2 Year Storm (CFS)"	"Peak Flow 25 Year Storm (CFS)"	T
	26,000	0.05	Subsurface Filterra	421.01	421.451	2.002	_	10	602	7.0	0.4	2.22	4.50	
Α	36,988	0.85	Media	12'x8'	12'x15'	3,082	2	10	682	76	84	2.32	4.50	$ _{c}$
В	13,078	0.30	Boxless Filterra	4'x'6'	4'x'6	1,090	0.71	4	273	31	30*	0.82	1.59	41
С	13,103	0.30	Boxless Filterra	4'x'6'	4'x'6	1,092	0.71	4	273	31	30*	0.82	1.59	l a
D	19,761	0.45	StormTreat Units	2.00	2.00	1,647	1.07	6	409	126	126	1.24	2.40	
Е	3,624	0.08	Filterra	4'x'6'	4'x'6	302	0.2	1	68	8	16	0.23	0.44	l l a
F	6,373	0.15	Filterra	4'x'6'	4'x'6	531	0.34	2	136	16	16	0.40	0.78	
G	2,688	0.06	Filterra	4'x'6'	4'x'6	224	0.15	1	68	8	8	0.17	0.33	
Н	3,184	0.07	Filterra	4'x'6'	4'x'6	265	0.17	1	68	8	8	0.20	0.39	
I	5,497	0.13	Filterra	4'x'6'	4'x'6	458	0.3	2	136	16	16	0.34	0.67] - g
J	4,160	0.10	Filterra	4'x'6'	4'x'6	347	0.22	2	136	16	16	0.26	0.51	
K	7,318	0.17	Filterra	4'x'6'	4'x'6	610	0.4	2	136	16	16	0.46	0.89	
L	5,295	0.12	Filterra	4'x'6'	4'x'6	441	0.29	2	136	16	16	0.33	0.64] 1
М	3,292	0.08	Filterra	4'x'6'	4'x'6	274	0.18	1	68	8	16	0.21	0.40] -
N	4426	0.10	Filterra	4'x'6'	4'x'6	369	0.24	2	136	16	16	0.28	0.54	
0	3,115	0.07	Filterra	4'x'6'	4'x'6	260	0.22	2	136	16	16	0.20	0.38	
Р	4,700	0.11	Filterra	4'x'6'	4'x'6	392	0.25	2	136	16	16	0.29	0.57	
Q	5,295	0.12	Filterra	4'x'6'	4'x'6	441	0.29	2	136	16	16	0.33	0.64	
R	4,173	0.10	Filterra	4'x'6'	4'x'6	348	0.23	2	136	16	16	0.26	0.51	
S	6,447	0.15	Filterra	4'x'6'	4'x'6	537	0.35	2	136	16	16	0.40	0.78	

*Based on StormTech 740 chambers storage capacity of 68.2 CF per chamber *Additional Storage is provided in inspection manholes.

Systems A & D have 18" storm drain downstream of roof drain connection.

- Refer to the Stormwater Management Report for an explanation of why the peak 2 yr. flow (cfs) is always 2.73 times the area (acres) and the 25 year flow (cfs) is 5.30 times the area.

- midtownOne and MidtownTwo roof area which will be untreated and discharged to the Somerset Street drainage system is 0.74 acres generating peak flows of 2.03 and 3.96 cfs for the 2 and 25 year storm events.

- midtownThree roof area which will be untreated and discharged to the Somerset Street drainage system is 0.60 acres generating peak flows of 1.64 and 3.18 cfs for the 2 and 25 year storm events.

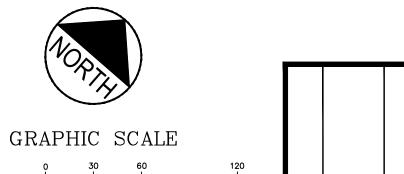
- Review of the flows tabulated above show the conveyance pipe requirements will not exceed 12 inches except if the roof drains from the building are combined to a single outlet. In this case, the roof drain stub would need to be increased to 15 to 18 inch in size. Roof drain sizes will be confirmed after the mechanical drawings have been prepared. "

- High flows from 'A' overflow to '18' storm drain in Somerset Street (only low flows drain to trail).



SUBCATCHMENT

L	5,295	0.12
М	3,292	0.08
N	4,426	0.10
0	3,115	0.07
Р	4,700	0.11
Q	5,295	0.12
R	4,173	0.10
S	6,447	0.15
TOTAL	152,527	3.50



(IN FEET)

1 inch = 60 ft.

PRELIMINARY - NOT FOR CONSTRUCTION

2 02.17.16 FINAL SITE PLANS WITH CONDITIONS OF APPROVAL
1 11.14.14 FINAL LEVEL III SUBMISSION TO CITY OF PORTLAND REV DATE DESCRIPTION E. STEPHEN R. BUSHEY

midtown PORTLAND, MAINE

POSTDEVELOPMENT WATERSHED MAP

FEDQ DV001, LLC

FST

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DRAWN: LA DATE: OCTOBER 2014 DESIGNED: BEK SCALE: 1"=60' CHECKED: SRB JOB NO. SP-M037B FILE NAME: 3062-WSHED-POST C-14.1 SHEET