

REDEVELOPMENT PEAK FLOWRATE SUMMARY

Results @ DMH#1 (POND 9)

STORM	TOTAL	TO CITY SD	DISCARDED
2 YEAR	3.35 cfs	2.12 cfs	1.70 cfs
10 YEAR	5.39 cfs	2.16 cfs	3.30 cfs
25 YEAR	6.06 cfs	2.17 cfs	3.88 cfs

Results @ AP#1 (REACH 11)

STORM	PEAK	(PRE)
2 YEAR	2.19 cfs	(2.77 cfs)
10 YEAR	2.32 cfs	(3.28 cfs)
25 YEAR	2.39 cfs	(3.32 cfs)

Results @ AP#2 (REACH 100--MODEL II)

STORM	PEAK FLOWRATE TO CITY STORMDRAIN	(PRE)
2 YEAR	0.31 cfs	(2.94 cfs)
10 YEAR	2.10 cfs	(5.00 cfs)
25 YEAR	2.65 cfs	(5.59 cfs)

STORM DRAINAGE NOTES:

- EXISTING CONDITIONS AND BOUNDARY INFORMATION TAKEN FROM A PLAN ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY ON STEVENS AVE., ARBOR ST., FOREST AVE. AND POLAND ST., PORTLAND, MAINE, MADE FOR MITCHELL & ASSOCIATES", DATED JANUARY 3, 2014, PREPARED BY OWN HASKELL INC., FALMOUTH MAINE.
- ELEVATIONS ARE ON CITY DATUM, BASED ON BENCH MARK AT 3' OFFSET MONUMENT UNDER COVER ON EASTERLY SIDE OF STEVENS AVENUE. BENCHMARK = 127.25.
- EXISTING SOIL INFORMATION IS TAKEN FROM CUMBERLAND COUNTY MEDIUM INTENSITY SOIL SURVEY MAPS, SOIL CONSERVATION SERVICE SOIL SURVEY, 1974.
- SOIL TEST PITS PERFORMED BY ALBERT FRICK ASSOCIATES, INC., GORHAM, MAINE, SEPTEMBER 2014.

POST MODEL I = SA-3 TO SA-9 AND SA-20 TO SA-25

POST MODEL II = SA-100, SA-102, SA-103 AND SA-105 TO SA-107

POST MODEL III = SA-112, SA-114 TO SA-119, SA-122, SA-124 AND SA-131 TO SA-133

Prepared For:
 Owner:
 Home For The Aged
 777 Stevens Avenue
 Portland, Maine 04103
 Tel.: 207-797-7710

Applicant:
 The Park Danforth
 777 Stevens Avenue
 Portland, Maine 04103
 Tel.: 207-797-7710

Prepared By:
 MITCHELL & ASSOCIATES
 Landscape Architects
 The Staples School
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 Tel.: 207-774-4427

The Park Danforth
 777 Stevens Avenue
 Portland, Maine

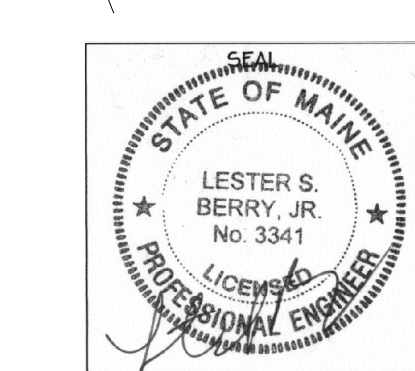


WATERSHED LEGEND

- WATERSHED BOUNDARY
- SUB-CATCHMENT AREA
- STORMWATER FLOW
- TIME OF CONCENTRATION (SF=Sheet Flow / SC=Shallow Concentrated)
- REACH
- STORM DRAIN
- POINT OF ANALYSIS
- STRUCTURE
- TEST PIT

LEGEND

	EXISTING	PROPOSED
PROPERTY LINE		
GRANITE MONUMENT		
CATCHBASIN		
MANHOLE		
HYDRANT		
UTILITY POLE		
WATER VALVE		
SANITARY SEWER		
STORM DRAIN		
WATER		
TELEPHONE		
GAS		
OVERHEAD WIRES		
UNDERGROUND ELECTRIC		
LEACHING GALLEY		
CLEAN OUT		
CURB		
FENCE		
SIGN		
DECIDUOUS TREE		
EVERGREEN TREE		
CONTOUR		
SPOT ELEVATION		
WALL MOUNTED LIGHT		



Date: OCTOBER 17, 2014

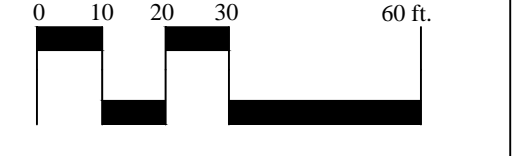
Issued For: PERMITTING

Revisions:
 NOV. 25, 2014: Per City of Portland Staff Review Comments

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Title: POST-DEVELOPMENT DRAINAGE PLAN

Scale: 1"=30'



North:

Sheet No.: D2.0

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