

REDEVELOPMENT PEAK FLOWRATE SUMMARY

Results @ DMH#1 (POND 9)	TOTAL	TO CITY SD	DISCARDED
STORM	3.35 cfs	2.12 cfs	1.70 cfs
2 YEAR	3.35 cfs	2.12 cfs	3.30 cfs
10 YEAR	3.35 cfs	2.12 cfs	3.30 cfs
25 YEAR	3.35 cfs	2.17 cfs	3.30 cfs

Results @ AP#1 (REACH 11)	PEAK (FEF)	(FEF)
STORM	2.19 cfs	(2.77 cfs)
2 YEAR	2.32 cfs	(3.28 cfs)
10 YEAR	2.39 cfs	(3.32 cfs)
25 YEAR	2.39 cfs	(3.32 cfs)

Results @ AP#2 (REACH 100--MODEL 11)	PEAK FLOWRATE TO CITY STORMDRAIN	(FEF)
STORM	0.31 cfs	(2.94 cfs)
2 YEAR	2.10 cfs	(3.00 cfs)
10 YEAR	2.09 cfs	(3.00 cfs)
25 YEAR	2.09 cfs	(3.00 cfs)

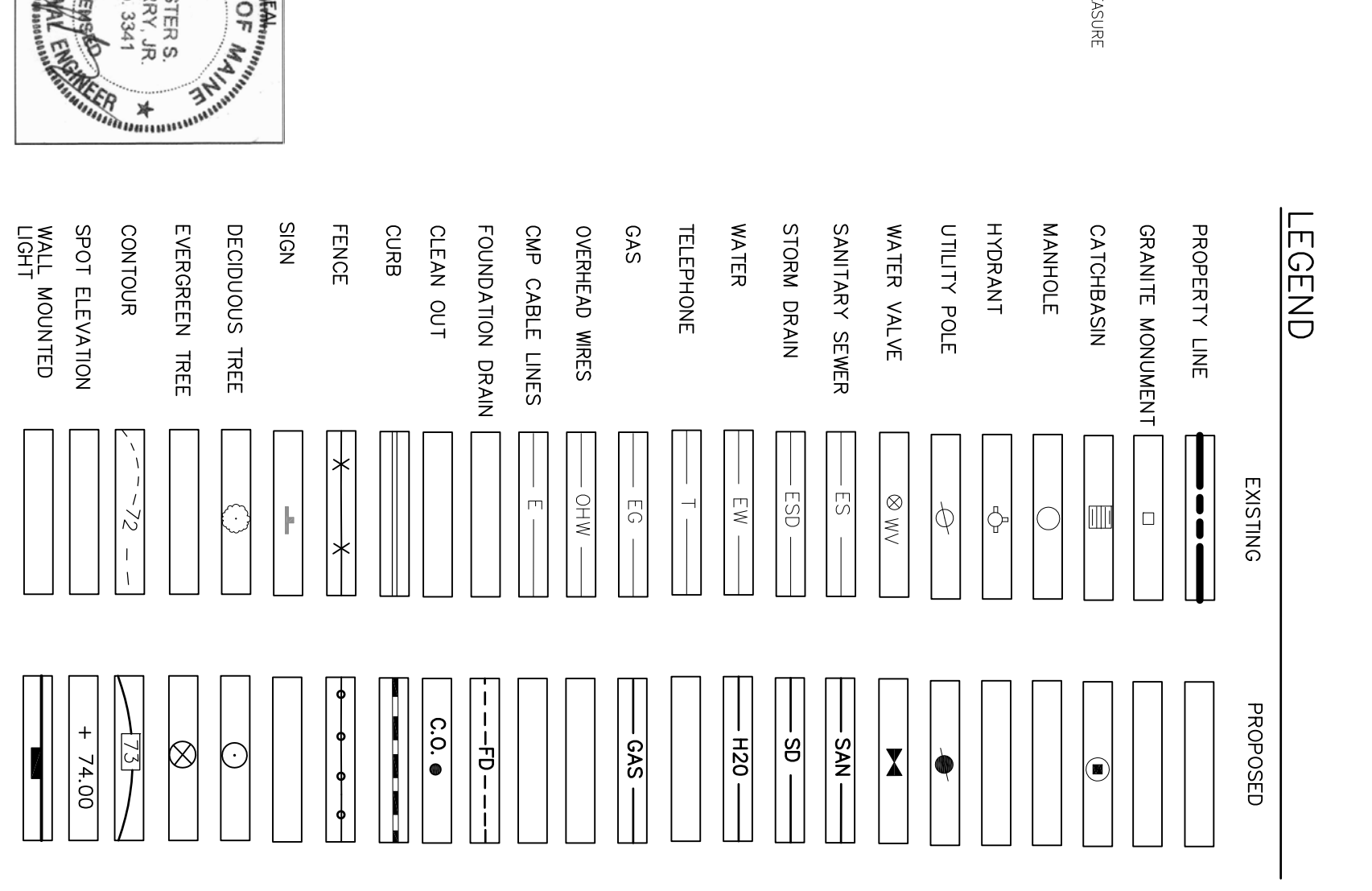
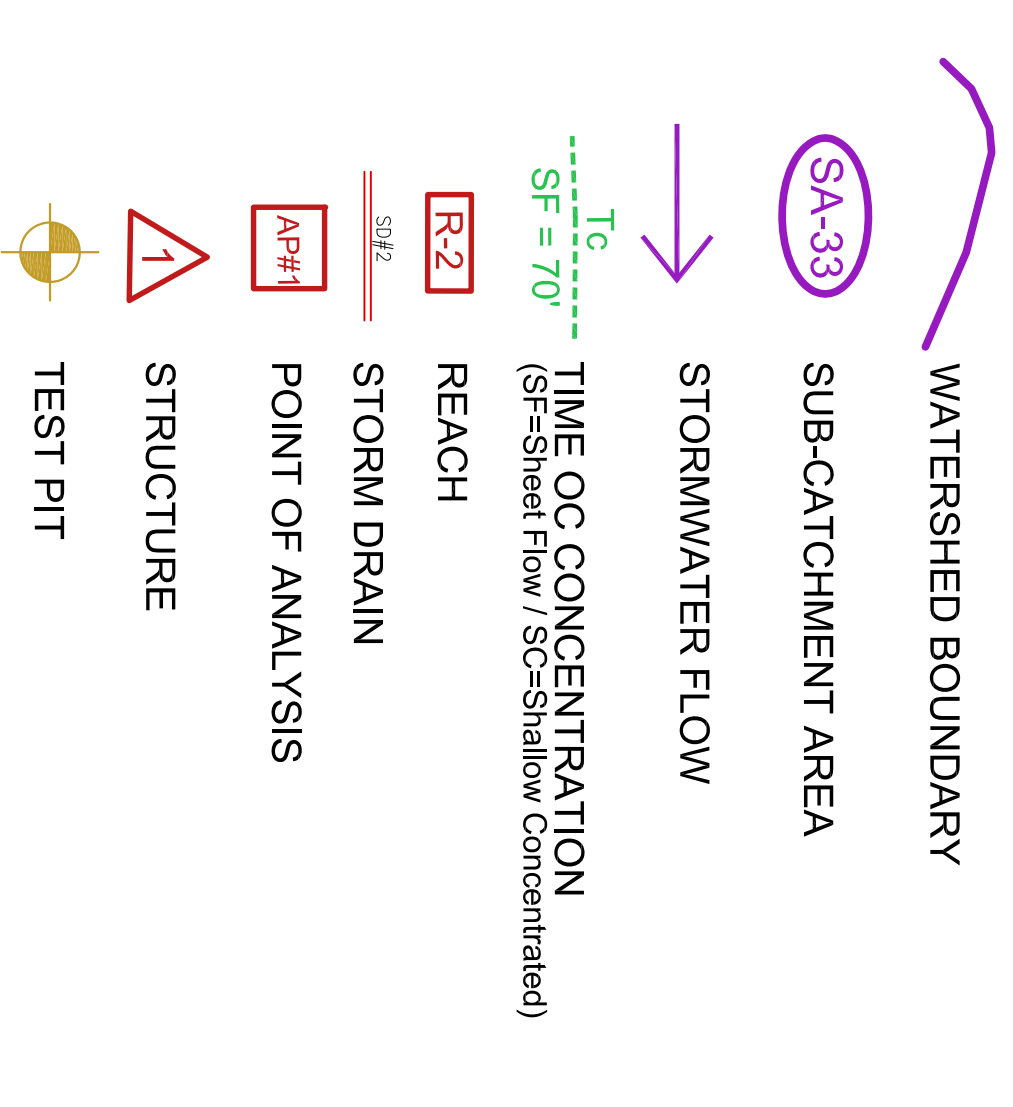
DRAINAGE STRUCTURE SCHEDULE

MANHOLE	STRUCTURE	DEPTH	INVERT	OUTVERT	CONNECTION	STORM DRAIN PIPE
DMH1	120.50	125.50	120.50	120.27	CONNECT TO EXISTING	DMH1
DMH2	120.15	126.65	120.15	120.94	DMH2	DMH1
DMH3	120.50	126.65	120.50	121.15	DMH3	DMH2
DMH4	122.50	127.30	122.50	120.80	DMH4	DMH3
DMH5	122.50	127.30	122.50	121.06	DMH5	DMH4
DMH6	126.15	127.30	126.15	121.06	DMH6	DMH5
DMH7	117.02	126.20	117.02	121.70	DMH7	DMH6
DMH8	127.10	126.20	127.10	121.70	DMH8	DMH7
DMH9	118.12	120.20	118.12	118.02	DMH9	DMH8
DMH10	124.70	126.15	124.70	120.68	DMH10	DMH9
DMH11	120.20	126.15	120.20	121.06	DMH11	DMH10
DMH12	125.50	126.00	125.50	121.50	DMH12	DMH11
DMH13	120.13	126.00	120.13	121.50	DMH13	DMH12

- STORM DRAINAGE NOTES:**
- EXISTING CONDITIONS AND BOUNDARY INFORMATION TAKEN FROM A PLAN ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY ON STEVENS AVE, ARBOR ST & ASSOCIATES DATED JANUARY 3, 2014, PREPARED BY OWI HANSELL INC., FALMOUTH MAINE
 - ELEVATIONS ARE ON CITY DATUM, BASED ON BENCH MARK AT 3' OFFSET MONUMENT UNDER COVER ON EASTERN SIDE OF STEVENS AVENUE.
 - EXISTING SOIL INFORMATION IS TAKEN FROM CAMBERLAND COUNTY MEDIUM INTENSITY SOIL SURVEY MAPS, SOIL CONSERVATION SERVICE SOIL SURVEY, 1974.
 - SOIL TEST BITS PERFORMED BY ALBERT FRICK ASSOCIATES, INC., CORHAM, MAINE, SEPTEMBER 2014.

STORM DRAIN SCHEDULE

PIPE/TUBE	LENGTH	SIZE
SO#1	28 L.F.	0.005
SO#2	54 L.F.	0.019
SO#3	78 L.F.	0.01
SO#4	90 L.F.	0.01
SO#5	82 L.F.	0.01
SO#6	55 L.F.	0.01
SO#7	23 L.F.	0.01
SO#8	87 L.F.	0.01
SO#9	72 L.F.	0.0092
SO#10	16 L.F.	0.01
SO#11	12 PERE. HOPE	78 L.F.
SO#12	12 PERE. HOPE	14 L.F.
SO#13	12 PERE. HOPE	57 L.F.
SO#14	12 PERE. HOPE	11 L.F.
SO#15	12 PERE. HOPE	56 L.F.
SO#16	12 PERE. HOPE	48 L.F.
SO#17	12 PERE. HOPE	66 L.F.
SO#18	12 PERE. HOPE	59 L.F.
SO#19	12 PERE. HOPE	0.01
SO#20	12 PERE. HOPE	34 L.F.



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The Park Danforth

777 Stevens Avenue Portland, Maine

Date: OCTOBER 17, 2014

Issued For: PERMITTING

Revisions:

Title: POST-DEVELOPMENT DRAINAGE PLAN

Scale: 1"=30'

North:

Sheet No.: **D2.0**

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