

**CB2 Area**

Prepared by WoodardCurran

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Type III 24-hr 25 year Rainfall=5.80"

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**Summary for Subcatchment 3S: CB2**

Runoff = 1.15 cfs @ 12.07 hrs, Volume= 3,431 cf, Depth= 3.50"

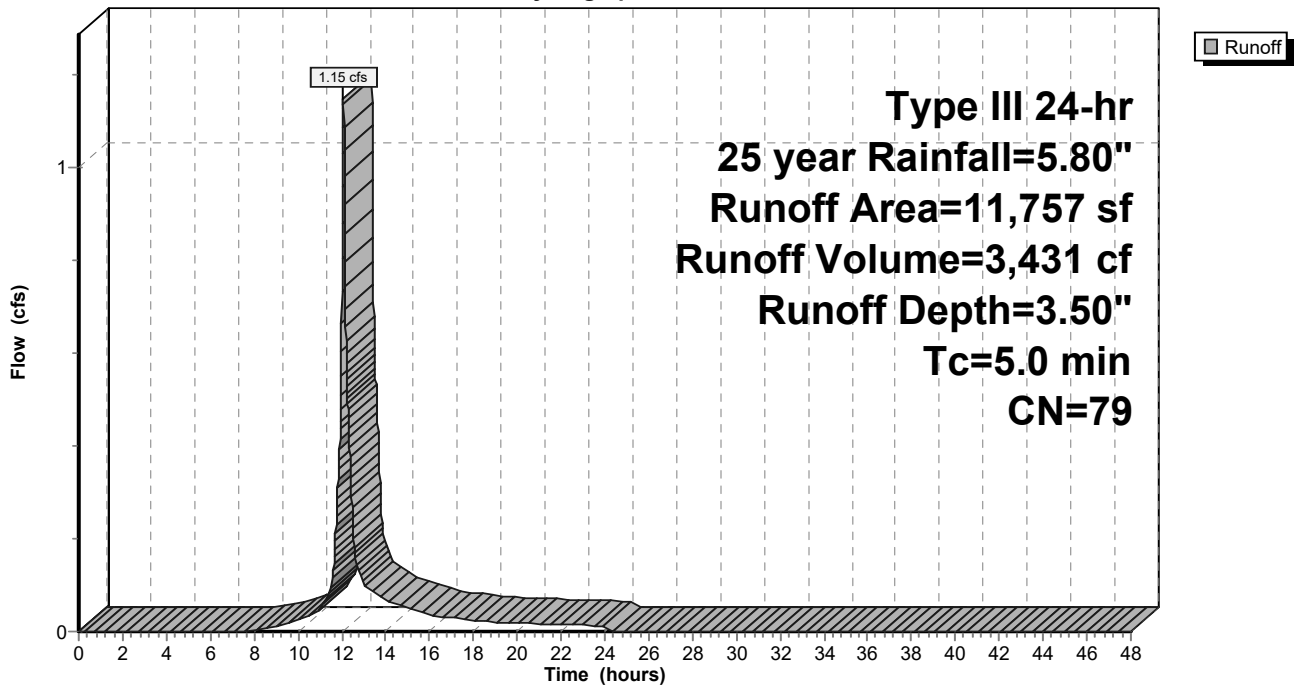
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs  
Type III 24-hr 25 year Rainfall=5.80"

	Area (sf)	CN	Description
*	2,398	98	Walks
	9,359	74	>75% Grass cover, Good, HSG C
	11,757	79	Weighted Average
	9,359		79.60% Pervious Area
	2,398		20.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

**Subcatchment 3S: CB2**

Hydrograph





**COMMITMENT & INTEGRITY**  
**DRIVE RESULTS**

CLIENT Maine Medical Center

41 HUTCHINS DRIVE  
PORTLAND, MAINE 04102  
TEL.(207)774-2112

PROJECT 222 St. John Street Garage

DESIGNED BY	<u>CMS</u>	DATE	<u>7/12/2018</u>
CHECKED BY	<u></u>	DATE	<u></u>
PROJECT NO.	<u>231158.00</u>	SHEET NO.	<u>1 of 1</u>

**Pipe 2 Sizing**

Percent Full	Flow Rate (gpd)	Flow Rate (cfs)	Velocity (fps)	Wetted Perimeter	Hydraulic Radius (feet)	Flow Area (sq. ft.)
0	0	0	0	0	0	0
1	197	0.000	0.329	0.167	0.006	0.001
2	877	0.001	0.521	0.236	0.011	0.003
3	2,099	0.003	0.681	0.290	0.016	0.005
4	3,891	0.006	0.822	0.336	0.022	0.007
5	6,270	0.010	0.951	0.376	0.027	0.010
10	27,260	0.042	1.485	0.536	0.053	0.028
15	63,470	0.098	1.913	0.663	0.077	0.051
20	114,343	0.177	2.277	0.773	0.100	0.078
25	178,858	0.277	2.594	0.873	0.122	0.107
30	255,699	0.395	2.874	0.966	0.142	0.138
35	343,323	0.531	3.121	1.055	0.161	0.170
40	440,008	0.681	3.340	1.141	0.179	0.204
45	543,867	0.841	3.534	1.226	0.194	0.238
50	652,855	1.010	3.703	1.309	0.208	0.273
55	764,769	1.183	3.848	1.392	0.221	0.307
60	877,228	1.357	3.971	1.477	0.231	0.342
65	987,650	1.528	4.070	1.563	0.240	0.375
70	1,093,189	1.691	4.146	1.652	0.247	0.408
75	1,190,648	1.842	4.197	1.745	0.251	0.439
80	1,276,288	1.974	4.220	1.845	0.253	0.468
85	1,345,456	2.081	4.211	1.955	0.253	0.494
90	1,391,622	2.152	4.163	2.082	0.248	0.517
95	1,403,004	2.170	4.054	2.242	0.239	0.535
100	1,305,712	2.019	3.703	2.618	0.208	0.545

Diam. (in)	<u>10</u>
Manning n	<u>0.01</u>
Slope(ft/ft)	<u>0.005</u>