

PRE-DEVELOPMENT DRAINAGE PLAN

AREA #2
 TOTAL AREA
 2.03 ACRES
 15 YEAR, 20 MINUTE STORM
 P.I.=1.87
 Q=3.80 CFS

AREA #1
 TOTAL AREA
 1.43 ACRES
 15 YEAR, 20 MINUTE STORM
 P.I.=1.87
 Q=2.67 CFS

Summary of Drainage Calculations (TR55):

Drainage Area: 3.54 Acres
 Soil Type: Hydrologic Soil Group D
 Pre-Development CN: 78
 Post-Development CN: 86

Design Storm (year)	Pre-Development Discharge (cfs)	Post-Development Discharge (cfs)	Required Detention Basin Size (CF)
2	1.50	2.10	10,200
5	2.21	2.91	13,200
10	2.80	3.56	15,600
25	3.40	4.22	18,200
100	4.66	5.56	23,100

Total Basin Volume - 34,000 CF



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SHEET NO.
C1.1

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