SOMERSET COUNTY, MARYLAND OFFICE OF COUNTY ENGINEER
STORMWATER MANAGEMENT DATA SUMMARY SHEET

Site: _____ **Designed by:** _____ **Date:** _____

DRAINAGE AREA INFORMATION (PRE-DEVELOPMENT CONDITIONS)

Area No.	A Area (Acres)	RCN Runoff Curve No.	% Impervious Area	Length of Sheet Flow (Feet)	Time of Conc. (Hours)	Peak Discharge (Cu. Ft. per sec.)		
						2-Year (Cfs.)	10-Year (Cfs.)	100-Year (Cfs.)
TOTAL								

DRAINAGE AREA INFORMATION (POST-DEVELOPMENT CONDITIONS)

Area No.	A Area (Acres)	RCN Runoff Curve No.	% Impervious Area	Length of Sheet Flow (Feet)	Time of Conc. (Hours)	Peak Discharge (Cu. Ft. per sec.)		
						2-Year (Cfs.)	10-Year (Cfs.)	100-Year (Cfs.)
TOTAL								

WATER QUALITY VOLUME INFORMATION

Volume Category	Category	Required	Provided
Water Quality Volume: (WQ_v = [(P) x (R_v) x (A)] / 12)	WQ_v		
Recharge Volume: (R_{ev} = [(S) x (R_v) x (A)] / 12	R_{ev}		
Overbank Flood Protection Volume (V_{s2}): Required Pond Storage Volume at Q_2 pre-development release rate	V_{s2}		
Extreme Flood Volume (V_{s2}): (Safe passage of 100-Year Storm Event)	V_{ef}		

DETENTION/RETENTION POND INFORMATION

Pond No.	Surface Area (Bottom) (Acres)	Principal Spillway (Size & Type)	Control Release Structure (CRS) (Specify Size & Type)	CRS Release Rates (Cfs.)		100 Yr. Spillway Length, Width, & Height
				2-Year	10-year	

Pond No.	Bottom Pond Elev. (Ft.)	Permanent Pool Elev. (Ft.)	2-Year Peak Elev. (Ft.)	2-Year Storage Vol. (Acre-Ft.)	10-Year Peak Elev. (Ft.)	10-Year Storage Vol. (Acre-Ft.)	100-Year Peak Elev. (Ft.)	100-Year Storage Vol. (Acre-Ft.)