











POST-DEVELOPMENT DRAINAGE AREA MAP SCALE: 1"=100'

PRE-DEVELOPMENT DRAINAGE AREA MAP SCALE: 1"=100'

PEAK DISCHARGE SUMMARY **Study Point**

	Pre Development Peak Discharge Conditions cfs	Adjusted * Pre Development Peak Discharge Conditions cfs	Post Development Unmanaged Peak Discharge cfs	Post Development Managed Peak Discharge to Control Facility cfs	Post Development Managed Peak Discharge from Control Facility cfs	Post Development Peak Discharge ('Unmanaged+Managed) cfs
10 YEAR	6.8	6.1	5.4	13.5	1.4	6.1
100 YEAR	18.9	17.0	13.9	20.0	4.8	15.9
FLOOD	27.9	25.1	19.8	35.0	6.7	23.1

* 10% Reduction (Required Alternative Compliance)

NOTE: Subject to change with final SWM design

THE PRELIMINARY HYDROLOGIC AND HYDRAULIC COMPUTATIONS PROVIDED HEREIN RESULT IN AN ESTIMATE OF THAT REQUIRED TO PROVIDE QUANTITY MANAGEMENT AS REQUIRED BY CR-123-2019

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT

MAPPED SOILS TYPES - HOWARD COUNTY, MARYLAND							
MBOL	NAME / DESCRIPTION	GROUP	HYDRIC	Kw RANGE*	HIGHLY ERODIBLE		
GoB	GLENVILLE-CODORUS - SILT LOAM - 0 TO 8 PERCENT SLOPES	С	NO.	0.32	NO		
McD	MANOR LOAM - 15 TO 25 PERCENT SLOPES, VERY ROCKY	В	NO	0.28	YES		
MgF	MANOR-BANNERTOWN SANDY LOAMS- 25 TO 65 PERCENT SLOPES, ROCKY	В	NO	0.24	YES		
LmB	LEGORE-MONTALTO - SILT LOAM - 3 TO 8 PERCENT SLOPES	С	NO	0.64	YES		
LeC	LEGORE SILT LOAM - 8 TO 15 PERCENT SLOPES, STONY	С	NO	0.64	YES		

NOTE:
HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR K GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT



LEGEND:

----- EXISTING CONTOUR

EXISTING TREELINE PROPOSED TREELINE

PROPOSED SPOT ELEVATION

EXISTING TREE

FLOOD PLAIN OFFSITE

PROPOSED BUILDINGS

PRE DEVELOPMENT CONDITION

CONDITION DRAINAGE AREA DIVIDE

POST DEVELOPMENT

TIBER / PATAPSCO WATERSHED

PROPOSED GRAVEL ACCESS ROAD

PRE DEVELOPMENT

POST DEVELOPMENT
CONDITION TIBER/PATAPSCO
WATERSHED DIVIDE

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DATE: NOVEMBER 2023

ENVIRONMENTAL CONCEPT PLAN

ZONED: R-ED

5 SHEET 6

PARCEL 49 (LOT2) & 50 HOWARD COUNTY, MARYLAND



