

DRAINAGE AREA (AC.) (ONSITE)	Rev. AC.FT.		WQV AC.FT.		CvV AC.FT. (NOT REQUIRED)		REMARKS
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	
A - 0.28	0.0015*	0.0015*	0.0060*	0.0060*	NOT REQ.	NOT REQ.	
B - 4.27	0.0257***	0.026***	0.0450 + 0.0060 = 0.0510**	0.106	NOT REQ.	NOT REQ.	DRAINAGE COMPENSATED FOR AREAS 'A', 'C' & 'D'. TOTAL REV REQ. = 1,120 CU.FT. PROVIDED BY BIO-RETENTION FACILITY = 1,133 CU.FT.
C - 2.79	0.0080*	0.0080*	0.0287	0.036	NOT REQ.	NOT REQ.	
D - 1.26	0.0041B	0.0041B	0.017	0.0213	NOT REQ.	NOT REQ.	
STRUCTURAL NON-STRUCTURAL	0.0374	N/A					

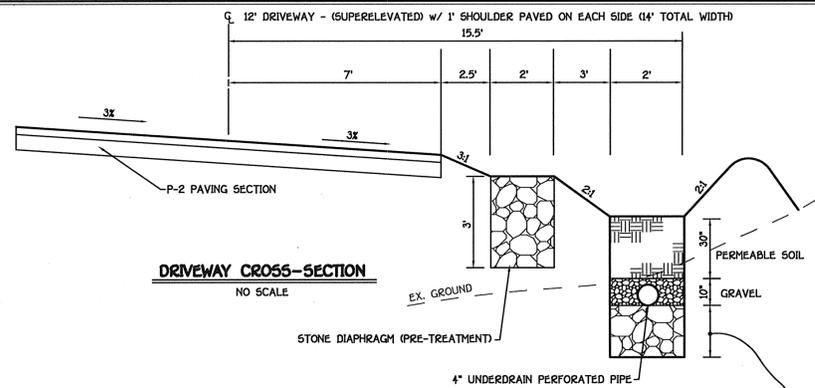
* - DENOTES COMPENSATION AREA FOR RECHARGE VOLUME ADDED TO REQUIRED RECHARGE VOLUME IN AREA 'B'.
 ** - DENOTES TOTAL WATER QUALITY VOLUME WITH AREA 'A' COMPENSATION AREA INCLUDED FOR WQV.
 *** - DENOTES RECHARGE VOLUMES COMPENSATED INTO AREA 'B' WHICH IS TOTAL VOLUME REQUIRED FOR THIS PROJECT.

DISCHARGE SUMMARY - OFFSITE EXISTING WITH ONSITE PROPOSED

DRAINAGE AREA	1 - YEAR Q	2 - YEAR Q	10 - YEAR Q	100 - YEAR Q	REMARKS
A - 0.34 AC.	0.10 CFS	0.22 CFS	0.69 CFS	1.36 CFS	
B - 23.14 AC.	1.41 CFS	4.23 CFS	19.94 CFS	44.30 CFS	
C - 1.13 AC.	0.28 CFS	0.60 CFS	1.97 CFS	3.93 CFS	

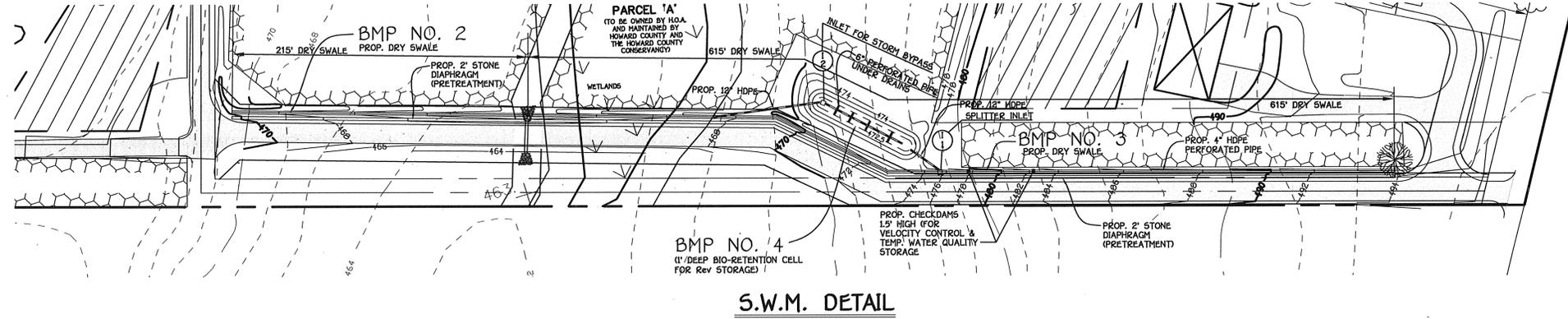
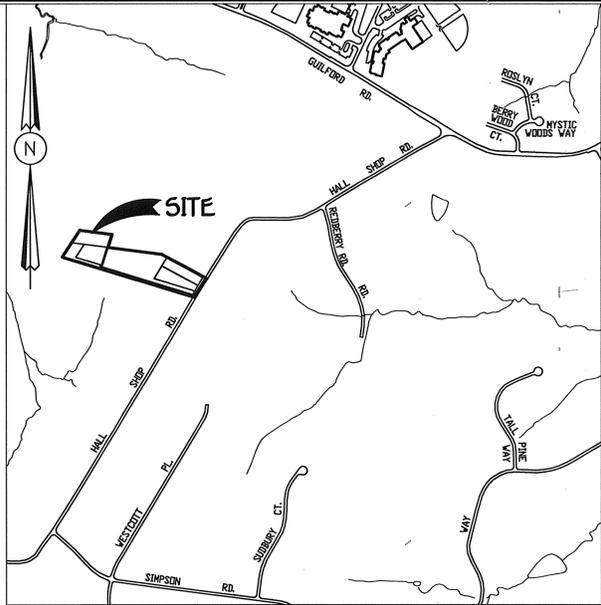
NOTE: NO DRAINAGE AREA HAD A 1 - YEAR Q THAT WAS GREATER THAN 2.0 CFS, THEREFORE THIS SITE DOES NOT REQUIRE CHANNEL PROTECTION VOLUMES.

NOTE: A BIO-RETENTION PLANTING PLAN WILL BE PROVIDED AT THE FINAL PLAN STAGE OF THIS PROJECT.

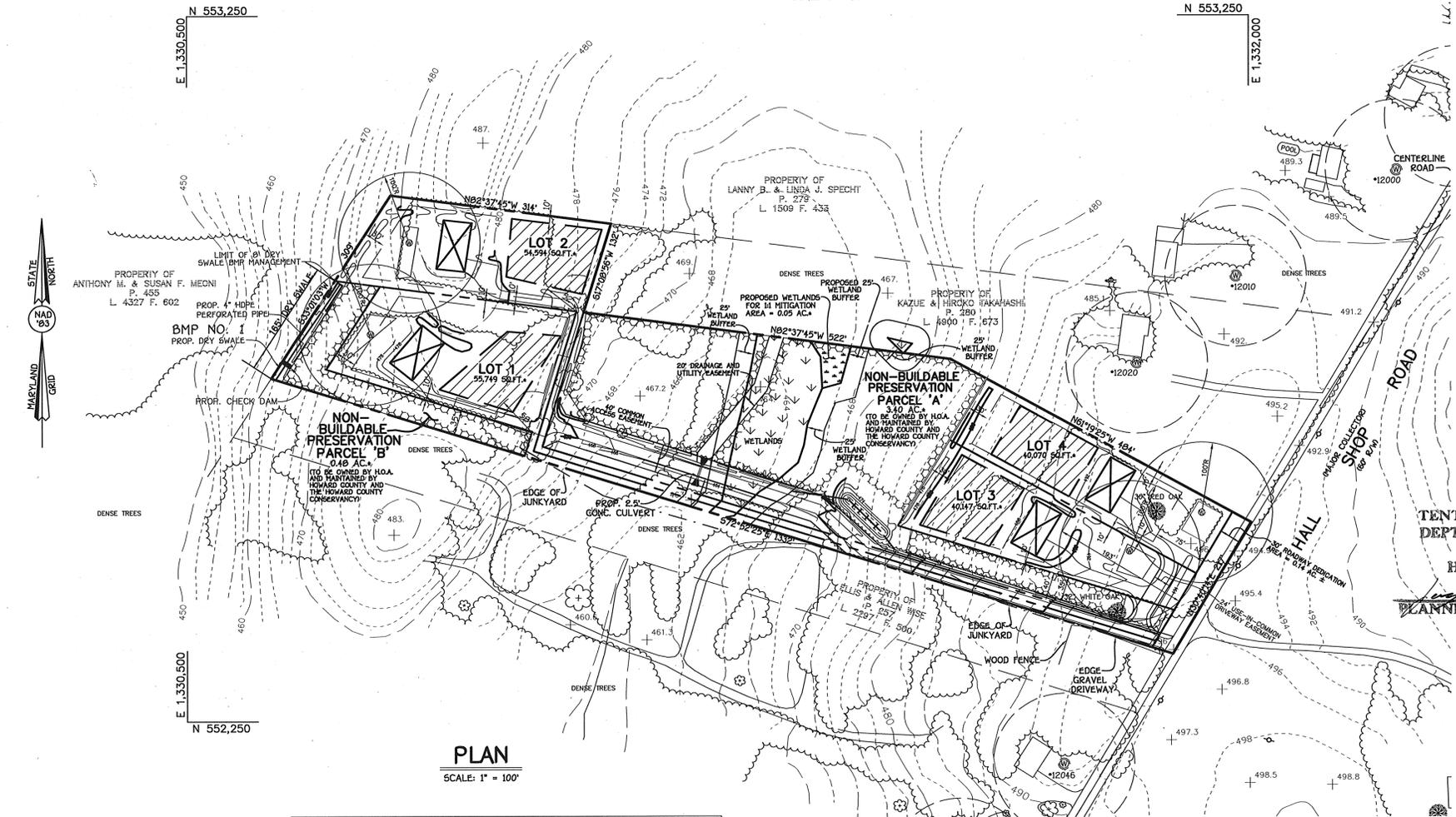


STONE STORAGE DEPTH REQUIRED VARIES FOR WQV, SEE CHART BELOW:

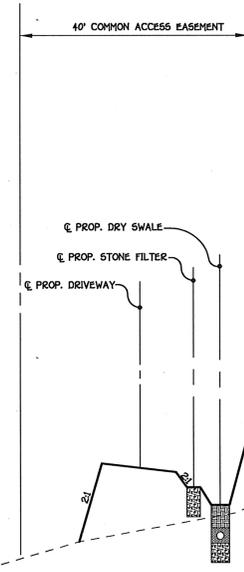
DRAINAGE AREA	REQ'D DEPTH	LOCATION
B	4.5'	NEXT TO DRIVEWAY
C	7.25'	NEXT TO DRIVEWAY
D	1.4'	NON-BUILDABLE PRESERVATION PARCEL 'A'



S.W.M. DETAIL
SCALE: 1" = 50'



PLAN
SCALE: 1" = 100'



B.M.P. #4 BIORETENTION DETAIL
NO SCALE

TENTATIVELY APPROVED
DEPT. OF PLANNING AND ZONING OF
HOWARD COUNTY

5/30/02
PLANNING DIRECTOR

LEGEND

- PROPOSED WELL LOCATION
- ALTERNATE WELL LOCATION AREA (1,500 SQ.FT. MIN)
- POSSIBLE HOUSE SITE LOCATION
- DENOTES STORMWATER MANAGEMENT CREDIT EASEMENT AND FOREST CONSERVATION EASEMENT

SKETCH PLAN IGLEHART PROPERTY
 LOTS 1 THRU 4 AND NON-BUILDABLE PRESERVATION PARCELS 'A' & 'B'
 TAX MAP No. 41 PARCEL No. 138
 ZONED: RR-DEO
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 DATE: MAY 22, 2002
 SHEET 1 OF 1

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SERVICE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 4100 961 - 2000

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.



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 MILTON IGLEHART, ET. AL.
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 HIGHLAND, MARYLAND 20777

DEVELOPER
 LAND DESIGN AND DEVELOPMENT, L.L.C.
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21042