



Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

Date Received: 12/03/13

Permit No.: B13004386

Building Address: 11560 Chapel Rise
 City: Clarksville State: MD Zip Code: 21029
 Suite/Apt. # _____ SDP/NP/BA #: _____
 Census Tract: _____ Subdivision: _____
 Section: _____ Area: _____ Lot: 4
 Tax Map: _____ Parcel: _____ Grid: _____
 Zoning: _____ Map Coordinates: _____ Lot Size: _____

Property Owner's Name: Micah Hart and Leigh Hart
 Address: 2929 Chestnut Hill Dr
 City: Ellicott City State: MD Zip Code: 21043
 Phone: 410-418-4928 Fax: _____
 Email: michaelhart@yahoo.com

Existing Use: vacant lot
 Proposed Use: Single Family Dwelling
 Estimated Construction Cost: \$ 700,000
 Description of Work: Construct new 2 story SFD - 4 Bedroom - 4 car garage unfinished basement, rear porch, 4 Ber

Applicant's Name & Mailing Address, (if other than stated herein)
 Applicant's Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Occupant or Tenant: _____
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Contractor Company: Homeowner
 Contact Person: Micah Hart
 Address: _____
 City: _____ State: _____ Zip Code: _____
 License No.: _____
 Phone: _____ Fax: _____
 Email: _____

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input checked="" type="checkbox"/> SF Dwelling	<input type="checkbox"/> SF Townhouse
No. of stories:	Depth	Width
Gross area, sq. ft./floor:	1 st floor:	
	2 nd floor:	
Area of construction (sq. ft.):	Basement:	
	<input type="checkbox"/> Finished Basement	
Use group:	<input checked="" type="checkbox"/> Unfinished Basement	
	<input type="checkbox"/> Craw Space	
	<input type="checkbox"/> Slab on Grade	
<u>Construction type:</u>	No. of Bedrooms:	
<input type="checkbox"/> Reinforced Concrete	<u>Multi-family Dwelling</u>	
<input type="checkbox"/> Structural Steel	No. of efficiency units:	
<input type="checkbox"/> Masonry	No. of 1 BR units:	
<input type="checkbox"/> Wood Frame	No. of 2 BR units:	
<input type="checkbox"/> State Certified Modular	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
	Footings:	
	Roof:	
<input checked="" type="checkbox"/> Roadside Tree Project Permit	<input type="checkbox"/> State Certified Modular	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Manufactured Home	
Roadside Tree Project Permit #		

Utilities	
<u>Water Supply</u>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
<u>Sewage Disposal</u>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Electric: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gas: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<u>Heating System</u>	
<input type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input checked="" type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
<u>Sprinkler System:</u>	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Grading Permit Number: <u>613000385</u>	
Building Shell Permit Number:	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: [Signature]
 Print Name: Micah Hart
 Email Address: michael.hart@suntrust.com
 Date: 11/28/13
 Title/Company: _____

RECEIVED
 DEC 03 2013
 LICENSES & PERMITS
 DIVISION

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
<input checked="" type="checkbox"/> State Highways		
<input checked="" type="checkbox"/> Building Officials		
<input checked="" type="checkbox"/> PSZA (Zoning)		
<input checked="" type="checkbox"/> PSZA (Engineering)		
<input checked="" type="checkbox"/> Health		<u>[Signature]</u>

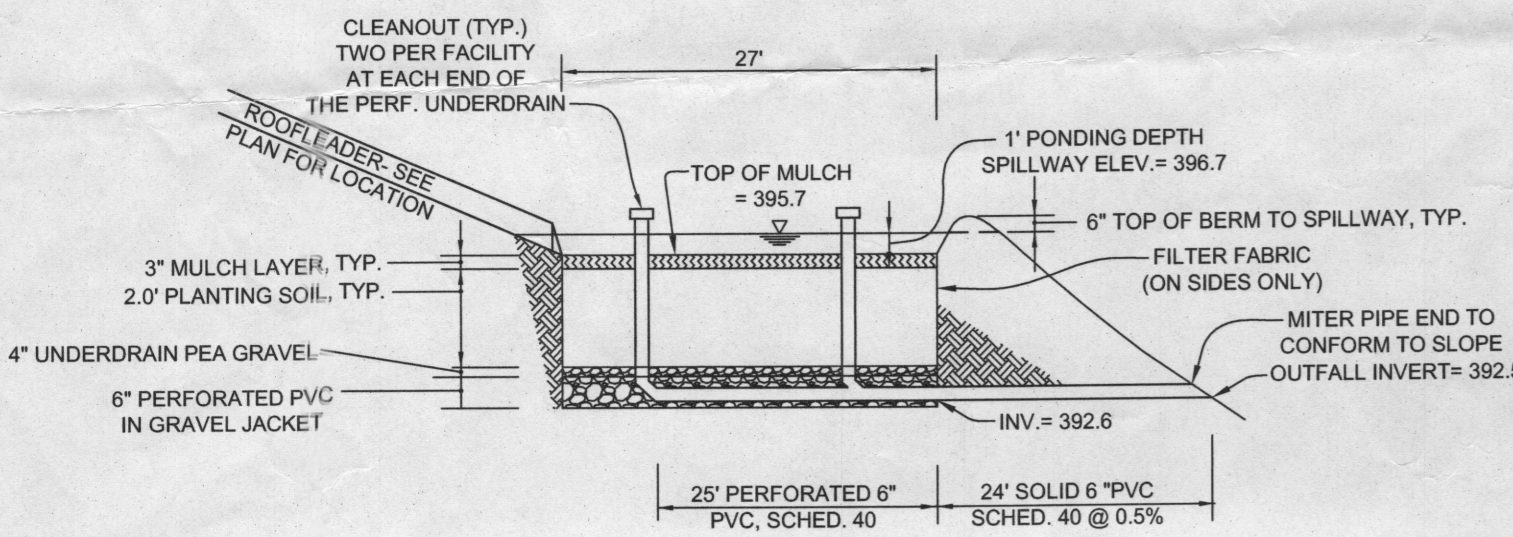
Is Sediment Control approval required for issuance? Yes No
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION	
Front:	
Rear:	
Side:	
Side St.:	
All minimum setbacks met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:	
SDP/Red-line approval date:	

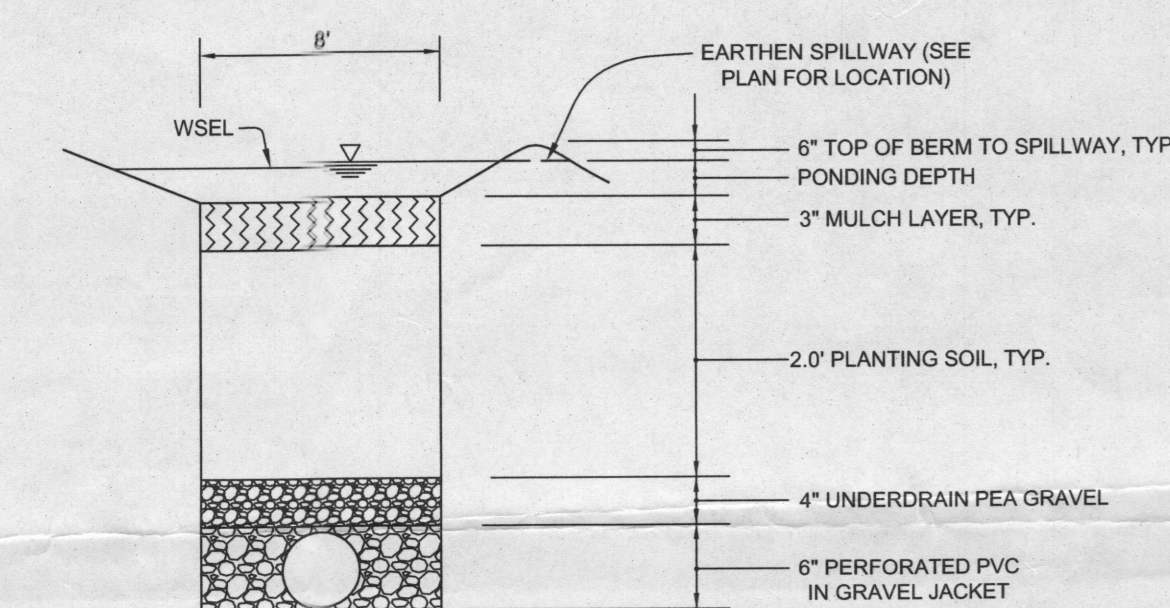
Filing Fee	\$ 100.00
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check	# <u>1557</u>

MATERIALS SPECIFICATIONS FOR MICRO-BIORETENTION FACILITIES

MATERIAL	SPECIFICATION	SIZE	NOTES
PLANTINGS	SEE PLANT LIST THIS SHEET	N/A	PLANTINGS ARE SITE-SPECIFIC. SEE PLANT LIST THIS SHEET
PLANTING SOIL (2'-4" DEEP)	LOAMY SAND (60% - 65%) & COMPOST (35%-40%) OR SANDY LOAM (30%), COARSE SAND (30%) & COMPOST (40%)	N/A	USDA SOIL TYPES LOAMY SAND OR SANDY LOAM; CLAY CONTENT < 5%
ORGANIC CONTENT	MIN. 10% BY DRY WEIGHT (ASTM-D-2974)		
MULCH	SHREDDED HARDWOOD		AGED 6 MONTHS, MINIMUM; NO PINE OR WOOD CHIPS
PEA GRAVEL, DIAPHRAGM AND CURTAIN DRAIN, IF REQUIRED	PEA GRAVEL: ASTM-D-448 ORNAMENTAL STONE: WASHED COBBLES	PEA GRAVEL: NO. 8 OR NO. 9 (1/8" TO 3/8") STONE: 2" TO 5"	
GEOTEXTILE	N/A		PE TYPE 1 NONWOVEN
UNDERDRAIN GRAVEL	AASHTO M-43	NO. 57 OR NO. 6 AGGREGATE (3/8" TO 3/4")	
UNDERDRAIN PIPING	F 768, TYPE PS 28 OR AASHTO M-278	4" TO 6" RIGID SCHEDULE 40 PVC OR SDR35	SLOTTED OR PERFORATED PIPE, 3/8" PERIF. @ 6" ON CENTER, 4 HOLES PER ROW; MINIMUM OF 3" OF GRAVEL OVER PIPES; NOT NECESSARY UNDERNEATH PIPES. PERFORATED PIPE SHALL BE WRAPPED WITH 1/4" GALVANIZED HARDWARE CLOTH.



MICRO-BIORETENTION FACILITY TYPICAL PROFILE
NOT TO SCALE



MICRO-BIORETENTION FACILITY TYPICAL SECTION
NOT TO SCALE

NOTES:
• FOR ADDITIONAL INFORMATION, SEE THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I AND II.

BIORETENTION PLANT LIST

LEGEND	BOTANICAL NAME	COMMON NAME	SPACING	SIZE	REMARKS	QTY
	EUPATORIUM FISTULOSUM	JOE-PYE WEED	AS SHOWN* (MIN. 4' O.C.)	1 QT./12" HT.	CONT.	6
	MONARDA DIDYMA	BEEBALM	AS SHOWN* (MIN. 3' O.C.)	1 QT.	CONT.	3
	RUDEBECKIA LACINIATA	TALL CONEFLOWER	AS SHOWN* (MIN. 3' O.C.)	1 QT.	CONT.	3

NOTE: PLANT MATERIAL MUST COVER 50% OF THE MULCH AREA AT MATURE GROWTH. *INTERSPERSE PLANTINGS THROUGHOUT BIORETENTION FILTER AREA.

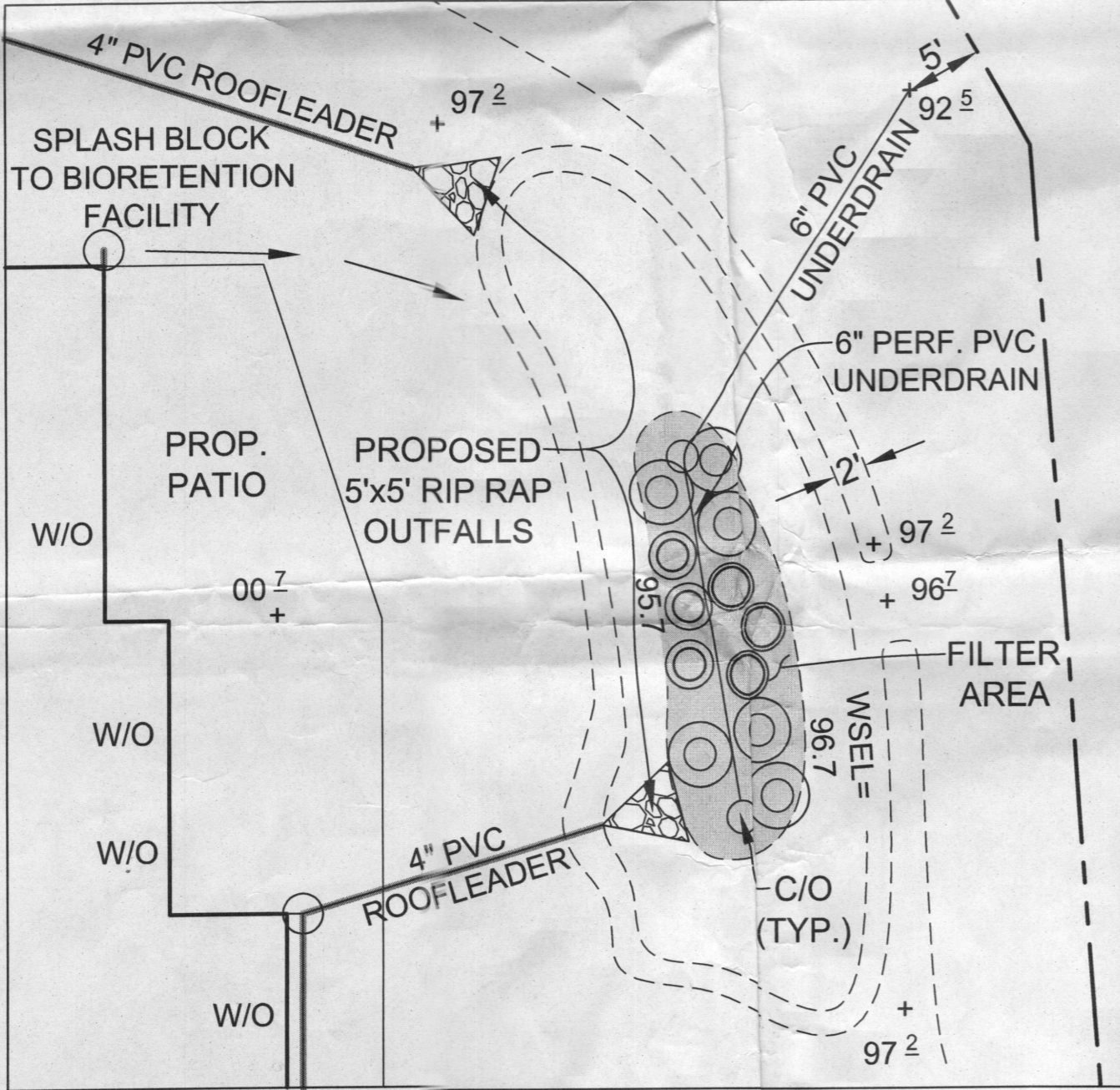
OPERATION AND MAINTENANCE SCHEDULE FOR MICRO-BIORETENTION (M-6)

- THE OWNER SHALL MAINTAIN THE PLANT MATERIAL, MULCH LAYER AND SOIL LAYER ANNUALLY. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING. ACCEPTABLE REPLACEMENT PLANT MATERIAL IS LIMITED TO THE FOLLOWING: 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUME II, TABLE A.4.1 AND 2.
- THE OWNER SHALL PERFORM A PLANT INSPECTION IN THE SPRING AND IN THE FALL OF EACH YEAR. DURING THE INSPECTION, THE OWNER SHALL REMOVE DEAD OR DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, REPLACE DEAD PLANT MATERIAL WITH ACCEPTABLE REPLACEMENT PLANT MATERIAL, TREAT DISEASED TREES AND SHRUBS, AND REPLACE ALL DEFICIENT STAKES AND WIRES.
- THE OWNER SHALL INSPECT THE MULCH EACH SPRING. THE MULCH SHALL BE REPLACED EVERY TWO TO THREE YEARS. THE PREVIOUS MULCH LAYER SHALL BE REMOVED BEFORE THE NEW LAYER IS APPLIED.
- THE OWNER SHALL CORRECT SOIL EROSION ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER EACH HEAVY STORM.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT

TO CHAPEL ESTATES DRIVE

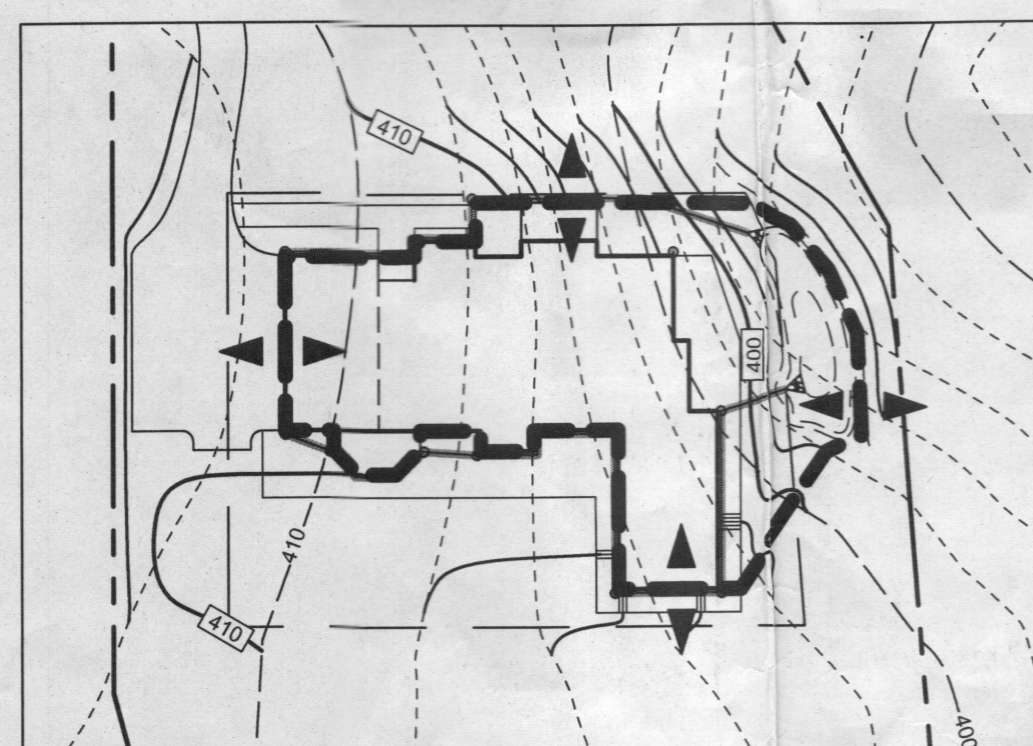


BIORETENTION PLAN
SCALE: 1"=10'

NOTE: ALL ROOFTOP DRAINAGE MUST BE CONVEYED TO THE BIORETENTION FACILITY.

STORMWATER MANAGEMENT PRACTICES

LOT #	ADDRESS	MICRO-BIORETENTION M-6 (NUMBER)	NON-ROOFTOP DISCONNECT N-2 (Y/N)
4	11560 CHAPEL RISE	1	Y



DRAINAGE AREA MAP
SCALE: 1"=50'

PLAN VIEW
SCALE: 1"=50'

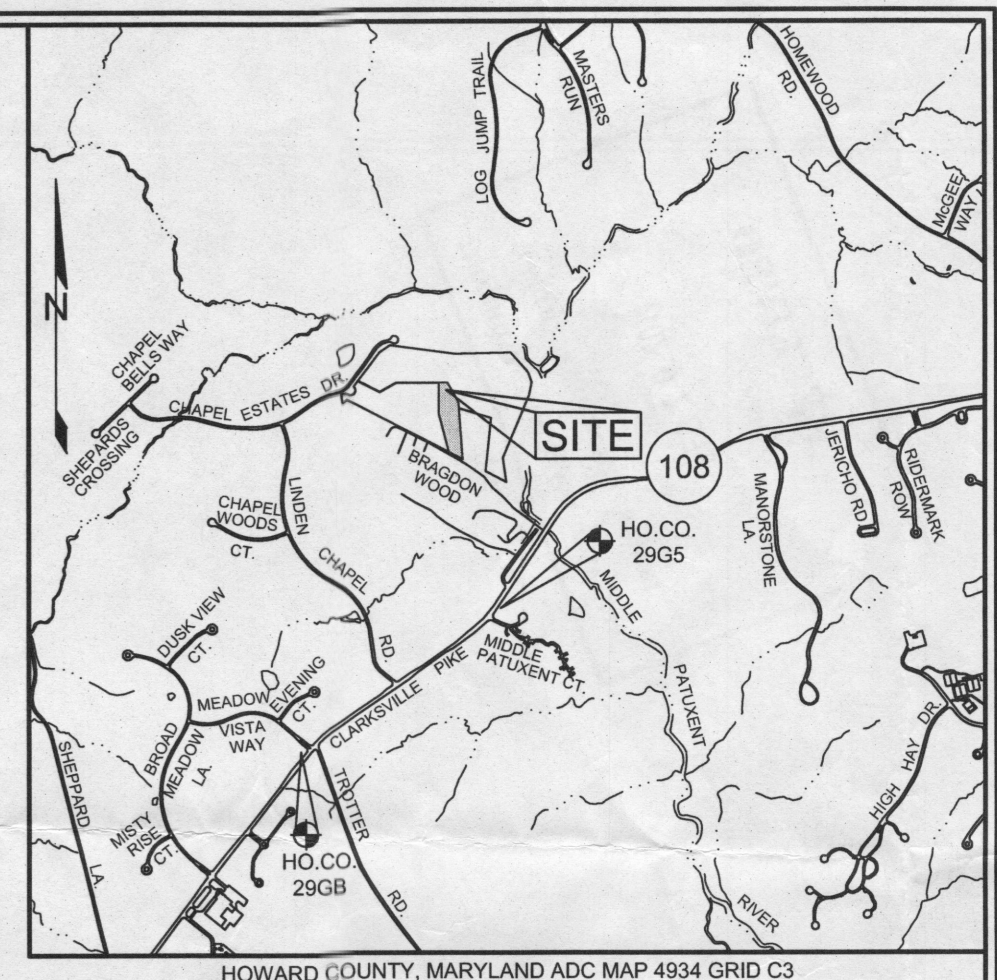


SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	K' FACTOR
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	B	0.20
GbC	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	B	0.20

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- EXISTING TREELINE
- EXISTING TREE
- SOIL BOUNDARY
- WETLANDS
- WETLAND BUFFER
- STREAM
- STREAM BUFFER
- EXISTING FOREST CONSERVATION EASEMENT WITH TREE PROTECTION FENCE PER F-12-041
- EXISTING PERCOLATION TEST HOLE, PASSED
- EXISTING PERCOLATION TEST HOLE, FAILED
- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE
- SUPER SILT FENCE
- LIMIT OF DISTURBANCE
- PROPOSED ROOF LEADER (4" PVC TYP. WITH DOWNSPOUT)
- PROPOSED BIORETENTION FACILITY
- NON-ROOFTOP DISCONNECT
- PROPOSED DRAINAGE DIVIDE
- EX. WELL AREA TO BE ABANDONED
- PROP. BOLLARDS



VICINITY MAP
SCALE: 1"=2000'

BENCHMARKS

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
29GB	566,826.1	1,333,265.9	456.00	SW CORNER OF MEADOW VISTA ROAD AND TROTTER ROAD, 32.2' FROM CURB END
29GS	568,341.2	1,332,355.2	387.40	SE SIDE OF ROUTE 108, 142' FROM MIDDLE PATUXENT RIVER, 87' FROM PAVING EDGE

GENERAL NOTES

- SUBJECT PROPERTY ZONED RC-DEO PER 02/02/04 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF LOT = 3.0717 AC ±
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
- THE EXISTING WELL SHOWN ON THIS PLAN (#95-2219) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS APPROVED A VARIANCE TO ALLOW THE SEWAGE DISPOSAL SYSTEM LOCATED ON THIS LOT TO BE LOCATED UPGRADIENT FROM THE PRIVATE WATER SUPPLY ON LOT 1 AND NEIGHBORING PARCELS 30, 31, 37, 45 & 47. THIS IS SUBJECT TO THE FOLLOWING CONDITIONS: AN ADVANCED PRE-TREATMENT SYSTEM, WHICH UTILIZES BEST AVAILABLE TECHNOLOGY TO PERFORM NITROGEN REDUCTION, MUST BE INSTALLED ON THE SEWAGE DISPOSAL SYSTEM AND A LOW PRESSURE DOSING SYSTEM WILL BE REQUIRED, AS SHOWN.
- THE BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PREPARED BY SILL, ADCOCK & ASSOCIATES, LLC IN APRIL 2011.
- THE TOPOGRAPHY SHOWN HEREON HAS BEEN FIELD RUN BY SILL, ADCOCK & ASSOCIATES, LLC IN APRIL 2011 AND SUPPLEMENTED WITH GRADING FROM F-95-065, F-12-041 AND GP-13-006.
- THE EXISTING TOPOGRAPHY SHOWN OUTSIDE THE SITE IS BASED ON HOWARD COUNTY AERIAL TOPOGRAPHY FLOWN IN 1993.
- THE WETLAND AND STREAM LIMITS SHOWN ARE BASED ON A STUDY PREPARED BY SILL, ADCOCK & ASSOCIATES, LLC IN JULY 2011.
- THE SOILS SHOWN HEREON HAVE BEEN TAKEN FROM THE NRCS WEB SOIL SURVEY WEBSITE.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL, WHICH IS BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENTS, NUMBERS 29GS AND 29GB, WERE USED FOR THIS PROJECT.
- THERE ARE NO HISTORIC STRUCTURES OR CEMETERIES WITHIN THE PROJECT BOUNDARY.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS, PAVING OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- ALL DITCHES AND SWALES WILL HAVE SOIL STABILIZATION MATTING UNLESS SOD IS BEING UTILIZED. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE LIMITS OF WETLANDS, STREAMS, OR THEIR REQUIRED BUFFERS, FLOODPLAIN AND FOREST CONSERVATION EASEMENT AREAS, UNLESS WAIVERS HAVE BEEN APPROVED.
- THE PROPOSED CULVERT HAS BEEN DESIGNED UNDER F-12-041. SEE FINAL STORMWATER MANAGEMENT COMPUTATIONS PAGES 55-60.
- STORMWATER MANAGEMENT OBLIGATIONS FOR THIS LOT HAVE BEEN MET BY NON ROOFTOP DISCONNECTS AND MICRO BIORETENTION FACILITY. STORMWATER MANAGEMENT OBLIGATIONS FOR CHAPEL RISE HAVE BEEN APPROVED UNDER F-12-041. SEE THE FINAL STORMWATER MANAGEMENT REPORT FOR ADDITIONAL INFORMATION.
- LIMIT OF DISTURBANCE = 29,995.50 SQ. FT.
- BOLLARDS ARE TO BE PLACED BETWEEN THE EXISTING WELL AND THE PROPOSED DRIVEWAY BEFORE HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT.
- THE PURPOSE OF THIS AMENDED PERCOLATION CERTIFICATION PLAN IS TO ABANDON THE EXISTING WELL AREA AND SHOW TWO ALTERNATE WELL LOCATIONS.

SHEET INDEX

SHEET NO.	DESCRIPTION
1	PLOT PLAN & REVISED PERCOLATION CERTIFICATION
2	SITE PLAN FOR BAT INSTALLATION

PLOT PLAN & REVISED PERCOLATION CERTIFICATION

CHAPEL RISE

LOT 4
11560 CHAPEL RISE

SINGLE FAMILY DETACHED

TAX MAP 29 GRID 8
5TH ELECTION DISTRICT

TAX ACCOUNT # 594205

PARCEL 26
HOWARD COUNTY, MARYLAND

Sill · Adcock & Associates · LLC
Engineers · Surveyors · Planners
3300 North Ridge Road, Suite 160
Ellicott City, Maryland 21043
Phone: 443.325.7682 Fax: 443.325.7685
Email: info@sillandadcock.com

DESIGN BY: PS
DRAWN BY: BK
CHECKED BY: PS
SCALE: AS SHOWN
DATE: FEBRUARY 6, 2014
PROJECT #: 13-082
SHEET #: 1 of 2



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33025, EXPIRATION DATE: JUNE 20, 2015.

OWNER

MICAH HART
2929 CHESTNUT HILL DRIVE
ELLICOTT CITY, MARYLAND 21043
(410) 455-6457