



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: _____

Permit No.: B19002518

Building Address: 14041 HOWARD RD
 City: Dayton State: Md Zip Code: 21036
 Suite/Apt. # _____ SDP/WP/BA #: _____
 Subdivision: Harmon Subdivision
 Lot: 3 Tax Map: 0027 Parcel: 0094

Existing Use: Existing SFD to be Demolished
 Proposed Use: New SFD
 Estimated Construction Cost: \$ 400,000.00
 Description of Work: New 2 story SFD with 2 car garage and Full Basement

Occupant/Tenant Name: _____
 Was tenant space previously occupied? Yes No
 Contact Name: W.R. Becker LLC
 Address: 15300 Carrs Mill Rd
 City: Woodbine Md State: Md Zip Code: 21795
 Phone: 410-442-5933 Fax: 410-442-5930
 Email: WMBBecker@ACL.com

Property Owner's Name: Dann Kearney + Chelsea Fern
 Address: 14043 Mount Rd
 City: Dayton State: Md Zip Code: 21036
 Phone: 442-677-4896 Fax: _____
 Email: _____

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

Contractor Company: W.R. Becker LLC
 Contact Person: Bill Becker
 Address: 15300 Carrs Mill Rd
 City: Woodbine State: Md Zip Code: 21795
 License No.: MHIC 23072 MD Bldg 1399
 Phone: 410-442-5933 Fax: 410-442-5930
 Email: _____

Engineer/Architect Company: Ren Johnston + Assoc
 Responsible Design Prof.: Ren Johnston
 Address: 11407 Barley Field Way
 City: Marrichville State: Md Zip Code: 21104
 Phone: 410-442-3067 Fax: _____
 Email: _____

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories:	Depth	Width
Gross area, sq. ft./floor:	1st floor: <u>54'</u>	<u>46'</u>
Area of construction (sq. ft.):	2nd floor: <u>32'</u>	<u>46'</u>
Use group:	Basement:	
Construction type:	<input type="checkbox"/> Finished Basement	
<input type="checkbox"/> Reinforced Concrete	<input checked="" type="checkbox"/> Unfinished Basement	
<input type="checkbox"/> Structural Steel	<input type="checkbox"/> Crawl Space	
<input type="checkbox"/> Masonry	<input type="checkbox"/> Slab on Grade	
<input type="checkbox"/> Wood Frame	No. of Bedrooms: <u>4</u>	
<input type="checkbox"/> State Certified Modular	Multi-family Dwelling	
<input checked="" type="checkbox"/> Roadside Tree Project Permit	No. of efficiency units:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	No. of 1 BR units:	
Roadside Tree Project Permit #	No. of 2 BR units:	
	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
	Footings:	
	Roof:	
	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities	
Electric:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Gas:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Heating System	
<input type="checkbox"/> Electric	<input type="checkbox"/> Oil
<input type="checkbox"/> Natural Gas	<input type="checkbox"/> Propane Gas
<input type="checkbox"/> Other:	
Sprinkler System:	
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Grading Permit Number: <u>619000168</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: W.R. Becker
 Email Address: WMBBecker@ACL.com
 Title/Company: Owner

Print Name: William R. Becker
 Date: 8/31/14

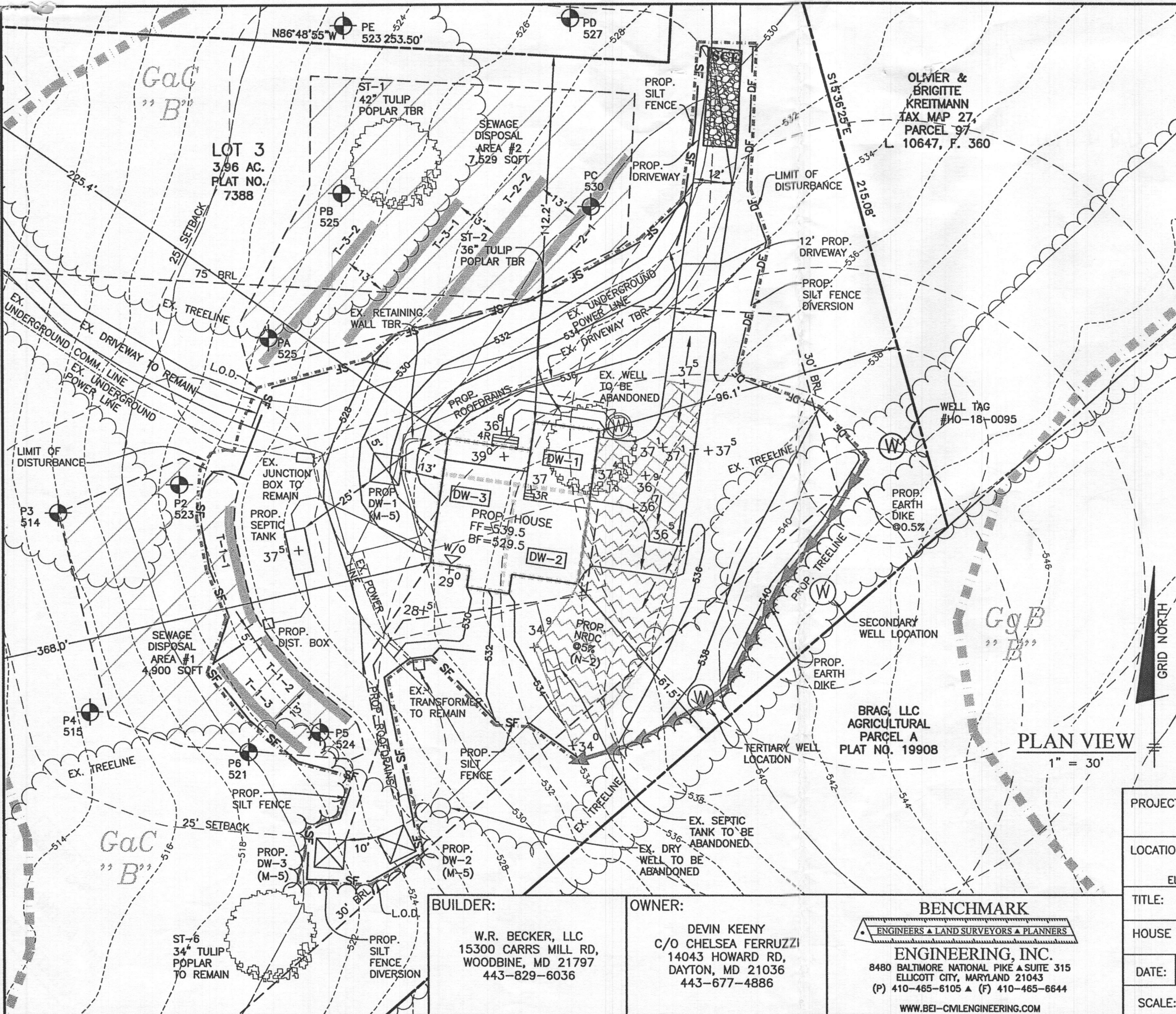
Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>8/9/14</u>	<u>H. O'Sullivan</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	\$ <u>100.00</u>
Permit Fee	\$ <u>100</u>
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$ <u>50</u>
Add'l per Fee	\$
Total Fees	\$
Sub- Total Paid	\$
Balance Due	\$
Check	# <u>8505</u>



- ### LEGEND
- PROPERTY BOUNDARY
 - ADJACENT PROPERTY BOUNDARY
 - EXISTING CONTOUR LINES
 - EXISTING CONTOUR LINES
 - SOIL DELINEATION
 - SOIL DELINEATION
 - SOIL DELINEATION
 - LIMIT OF DISTURBANCE
 - SILT FENCE
 - SILT FENCE DIVERSION
 - EARTH DIKE
 - NON-ROOFTOP DISCONNECT (N-2)
 - SWM DRAINAGE DIVIDE

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. 45577, Expiration Date: 06-08-2020.



PLAN VIEW
1" = 30'

PROJECT:	HARMAN SUBDIVISION LOT 3		
LOCATION:	14041 HOWARD RD, DAYTON, MD 21036 TAX MAP: 27 - GRID: 6 - PARCEL: 94 ZONED: RC-DEO ELECTION DISTRICT NO. 5 - HOWARD COUNTY, MD - TAX ID #352355		
TITLE:	BUILDING PERMIT PLAN		
HOUSE TYPE:	CUSTOM		
DATE:	JULY, 2019	PROJECT NO.	2914
SCALE:	AS SHOWN	DRAWING	1 OF 2

BUILDER: W.R. BECKER, LLC 15300 CARRS MILL RD, WOODBINE, MD 21797 443-829-6036	OWNER: DEVIN KEENY C/O CHELSEA FERRUZZI 14043 HOWARD RD, DAYTON, MD 21036 443-677-4886
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BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315
ELLCOTT CITY, MARYLAND 21043
(P) 410-465-6105 ▲ (F) 410-465-6644
WWW.BEI-CMLENGINEERING.COM

(M-5) DRY WELL COMPUTATIONS

Pe: 1.2 inches

Each individual DA is assumed 100% impervious for Rv calculation purposes for sizing.

Lot 3

Designation	Drainage Area	Impervious Area	I (%)	Rv	ESDv (cf)	Depth (ft)	Porosity	Length (ft)	Width (ft)	Volume Stored	Pe Treated
DW-1	685.2	685.2	100%	0.950	65	5.0	0.40	9	9	162	2.99
DW-2	685.2	685.2	100%	0.950	65	5.0	0.40	9	9	162	2.99
DW-3	685.2	685.2	100%	0.950	65	5.0	0.40	9	9	162	2.99

Totals: 195 486

Drywell Designation	Length (ft)	Width (ft)	Depth (ft)	Grade	Top of Stone	Bottom of Sand
DW-1	9.00	9.00	5.00	530.7	529.7	524.7
DW-2	9.00	9.00	5.00	523.8	522.8	517.8
DW-3	9.00	9.00	5.00	520.6	519.6	514.6

GENERAL NOTES

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR HARMAN SUBDIVISION, PLAT #7388. REFER TO THE PLATS FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND CONDITIONS.
2. TOPOGRAPHY SHOWN IS BASED ON FIELD SURVEY BY BENCHMARK ENGINEERING, INC. DATED OCTOBER, 2019 AND SUPPLEMENTED WITH HOWARD COUNTY GIS AND CONSISTS OF 2 FOOT CONTOUR INTERVALS.
3. THE NEW WELL SHOWN ON THIS PLAN (HO-18-0095) WAS DRILLED ON JULY 15, 2019 AND IS APPROXIMATELY SHOWN. THE WELL WILL BE FIELD LOCATED BY BENCHMARK ENGINEERING, INC., AT THE TIME OF HOUSE STAKEOUT. CURRENT LOCATION OF THE WELL IS BASED ON THE WELL STAKEOUT LOCATION BEFORE DRILLING. IT IS ANTICIPATED THAT ANY DIFFERENCE IN ACTUAL AND SHOWN WELL LOCATION IS NOT DETRIMENTAL TO THIS PLAN.
4. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
5. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
6. THERE ARE NO 25% OR GREATER SLOPES WITHIN LOT 3.
7. EXISTING WELL (NO TAG #), EXISTING SEPTIC TANK, AND DRY WELL TO BE PROPERLY ABANDONED.
8. THE EXISTING WELL AND SEPTIC SYSTEM MUST BE PROPERLY ABANDONED WITH DOCUMENTATION SENT TO THE HEALTH DEPARTMENT PRIOR TO THE ISSUANCE OF THE DEMO PERMIT.
9. THE PROPOSED SEWAGE DISPOSAL AREA SHOWN ON THIS PLAN IS 12,429 SQ. FT.
10. THE PROPOSED RESIDENCE IS A 4 BEDROOM HOUSE.
11. THE SEPTIC TANK WILL HAVE A 2000 GALLON TWO COMPARTMENT TANK.
12. THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING BANK.
13. INITIAL ONSITE SEPTIC DISPOSAL SYSTEM SHALL BE GRAVITY FED TO THE SEPTIC DISPOSAL AREA #1, AND THE 2ND AND 3RD REPLACEMENT SYSTEMS SHALL BE PUMPED TO SEPTIC DISPOSAL AREA #2.
14. IF OR WHEN SEPTIC DISPOSAL AREA #2 IS UTILIZED IN THE FUTURE, A PUMP AND PUMP TANK DESIGN SHALL BE REQUIRED.
15. ANY CHANGES TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
16. ANY ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.

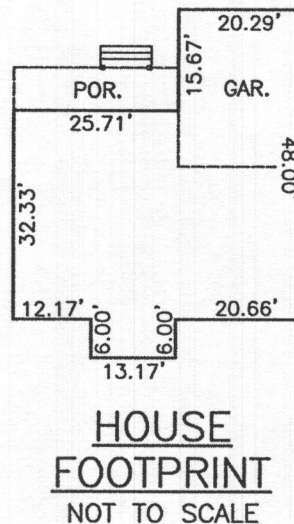
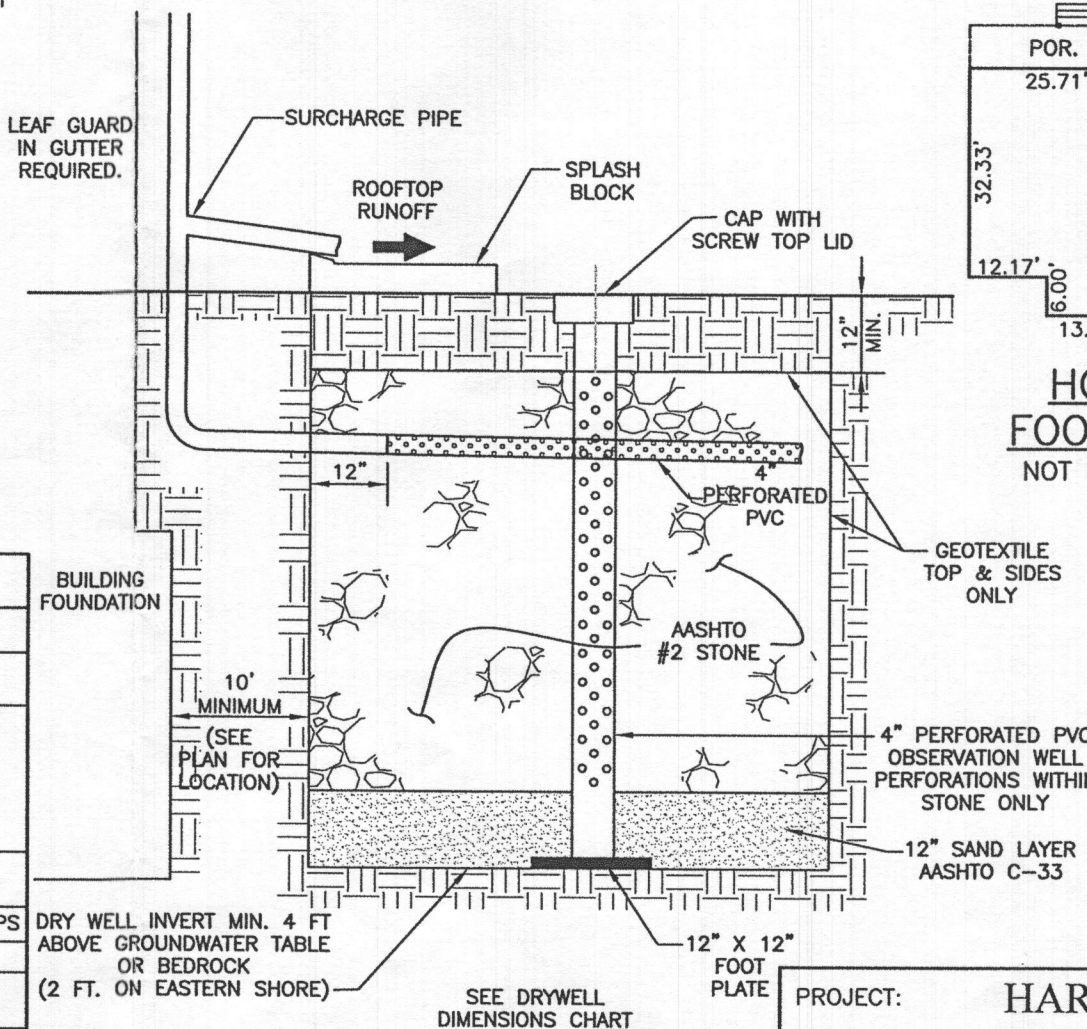
MATERIALS & SPECIFICATIONS FOR MICRO-BIORETENTION

MATERIAL	SPECIFICATION	SIZE	NOTES:
PLANTINGS	SEE APPENDIX A; TABLE A.4	N/A	PLANTINGS ARE SITE SPECIFIC
PLANTING SOIL (2.0' TO 4.0' 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	N/A	AGED 6 MONTHS, MINIMUM, NO PINE OR WOOD CHIPS
GEOTEXTILE (CLASS "C")		N/A	PE TYPE 1 NONWOVEN
GEOTEXTILE (1/4" WIRE MESH)		1/4" WIRE MESH	1/4" WIRE MESH
UNDERDRAIN GRAVEL	AASHTO M-43	NO. 57 OR NO. 6 0.375" TO 0.750"	
UNDERDRAIN PIPING	F758, TYPE PS28 OR AASHTO M-278	4" TO 6" RIGID SCH.40 PVC, SDR35 OR HDPE	3/8" PERF. @ 6" O/C, 4 HOLES PER ROW; MINIMUM OF 3" OF GRAVEL OVER PIPES, NOT NECESSARY UNDERNEATH PIPES. PIPE SHALL BE WRAPPED WITH 1/4-INCH GALVANIZED HARDWARE CLOTH
IMPERVIOUS LINER	ASTM-D-4833 (THICKNESS) ASTM-D-412 (TENSILE STRENGTH 1,100 LB., ELONGATION 200%) ASTM-D-624 (TEAR RESISTANCE - 150 LB./IN) ASTM-D-471 (WATER ADSORPTION: +8 TO -2% MASS)	30 MIL. THICK	LINER TO BE ULTRAVIOLET RESISTANT. A GEOTEXTILE FABRIC SHOULD BE USED TO PROTECT THE LINER FROM PUNCTURE.
GEOTEXTILE (BELOW IMPERV. LINER)	ASTM-D-4833 (PUNCTURE STRENGTH 125LB) ASTM-D-4632 (TENSILE STRENGTH 300 LB.)		



OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED (M-5) DRY WELLS

1. The monitoring wells and structures shall be inspected on a quarterly basis and after every large storm event.
2. Water levels and sediment build up in the monitoring wells shall be recorded over a period of several days to insure trench drainage.
3. A log book shall be maintained to determine the rate at which the facility drains
4. When the facility becomes clogged so that it does not drain down within the 72 hour time period, corrective action shall be taken.
5. The maintenance log book shall be available to Howard County for inspection to insure compliance with operation and maintenance criteria.
6. Once the performance characteristics of the infiltration facility have been verified, the monitoring schedule can be reduced to an annual basis unless the performance data indicates that a more frequent schedule is required.



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443-829-6036

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C/O CHELSEA FERRUZZI
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DAYTON, MD 21036
443-677-4886

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. 45577, Expiration Date: 06-08-2020.

JOHN M. KEENEY
7/19/19
PROFESSIONAL ENGINEER
No. 45577

DRY WELL DETAIL NOT TO SCALE

BENCHMARK ENGINEERING, INC.
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315
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