



# 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.: \_\_\_\_\_

Building Address: 1110 UNDERWOOD ROAD  
City: SYKESVILLE State: MD Zip Code: 21784  
Suite/Apt. # \_\_\_\_\_ SDP/WP/BA #: \_\_\_\_\_  
Census Tract: \_\_\_\_\_ Subdivision: \_\_\_\_\_  
Section: \_\_\_\_\_ Area: \_\_\_\_\_ Lot: \_\_\_\_\_  
Tax Map: \_\_\_\_\_ Parcel: \_\_\_\_\_ Grid: \_\_\_\_\_  
Zoning: \_\_\_\_\_ Map Coordinates: \_\_\_\_\_ Lot Size: \_\_\_\_\_

Existing Use: SFD  
Proposed Use: SFD w/ RETAINING WALL  
Estimated Construction Cost: \$ 124,000  
Description of Work: RETAINING WALL, NATURAL STONE  
160' TOTAL LENGTH, 3'-5' IN HEIGHT

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

Property Owner's Name: JASON & HEATHER BOECKHOLDT  
Address: 1110 UNDERWOOD ROAD  
City: SYKESVILLE State: MD Zip Code: 21784  
Phone: 240) 353-7398 Fax: \_\_\_\_\_  
Email: jason.boeckholdt@yahoo.com

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

Contractor Company: BIL RICKS LANDSCAPING  
Contact Person: RICK COLSON  
Address: 1074 HOODS MILL ROAD  
City: WOODBINE State: MD Zip Code: 21797  
License No.: 131049  
Phone: 443) 277-3044 Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

Engineer/Architect Company: MCCON ENGINEERING  
Responsible Design Prof.: \_\_\_\_\_  
Address: 7214 NEW CUT ROAD  
City: KINGSVILLE State: MD Zip Code: 21087  
Phone: 410) 593-9535 Fax: \_\_\_\_\_  
Email: MCCON@COMCAST.NET

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

Utilities	
<b>Water Supply</b>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
<b>Sewage Disposal</b>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Heating System</b>	
<input type="checkbox"/> Electric <input checked="" type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
<b>Sprinkler System:</b>	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Grading Permit Number:	
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  
jason.boeckholdt@yahoo.com  
Email Address  
Title/Company

Print Name  
Date

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		

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	\$
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check	#

January 2, 2015

Jason Boockholdt  
1110 Underwood Road  
Sykesville, MD 21784

Re: Proposed Site Retaining Wall  
McCon Project No: 14174

Dear Jason,

At your request McCon Engineering met with you at your above captioned address on December 30, 2014, to provide engineering consultation regarding your design for a proposed site retaining wall. Our evaluation was limited to visual review of the yard contours and discussion/analysis of one sketch (attached) which you prepared to show the proposed wall construction.

We understand you intend to construct approximately 160 LF of stone retaining wall in your right side and rear yard. This is to be designed as a "gravity wall" constructed using very large, loose laid cut stone units up to 4'-0" long by 2'-6" wide. The wall is to retain up to 5'-0" of earth near the center, reducing to flush with the grade at each end. The stone is to be laid on a 12" deep gravel bed with 5:1 batter at the face; it will be approximately 2'-6" wide at the base and decrease to approximately 18" wide at the top. It will be backfilled with a drainage zone of crushed stone (gravel). All soil/gravel interfaces are to be separated with an appropriate drainable filter fabric. The retained soil is to be seeded with grass (to prevent erosion) and sloped to a swale 4'-0" to 6'-0" behind the wall which will intercept surface water and conduct it toward natural discharge points at each end of the wall.

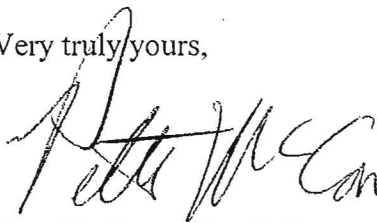
Based on our review, the proposed wall will be structurally adequate when constructed per the attached sketch and as described above. We calculate a factor of safety against overturning of approximately 2.4 and against sliding in excess of 1.33.

The above comments refer to the subject retaining wall only, which was the focus of our engineering attention. An engineering review of the other existing or proposed structures on the site was beyond the scope of our engaged services.

We trust the above information is of assistance to you in this matter. Should you have further questions or require additional information, please do not hesitate to contact this office.

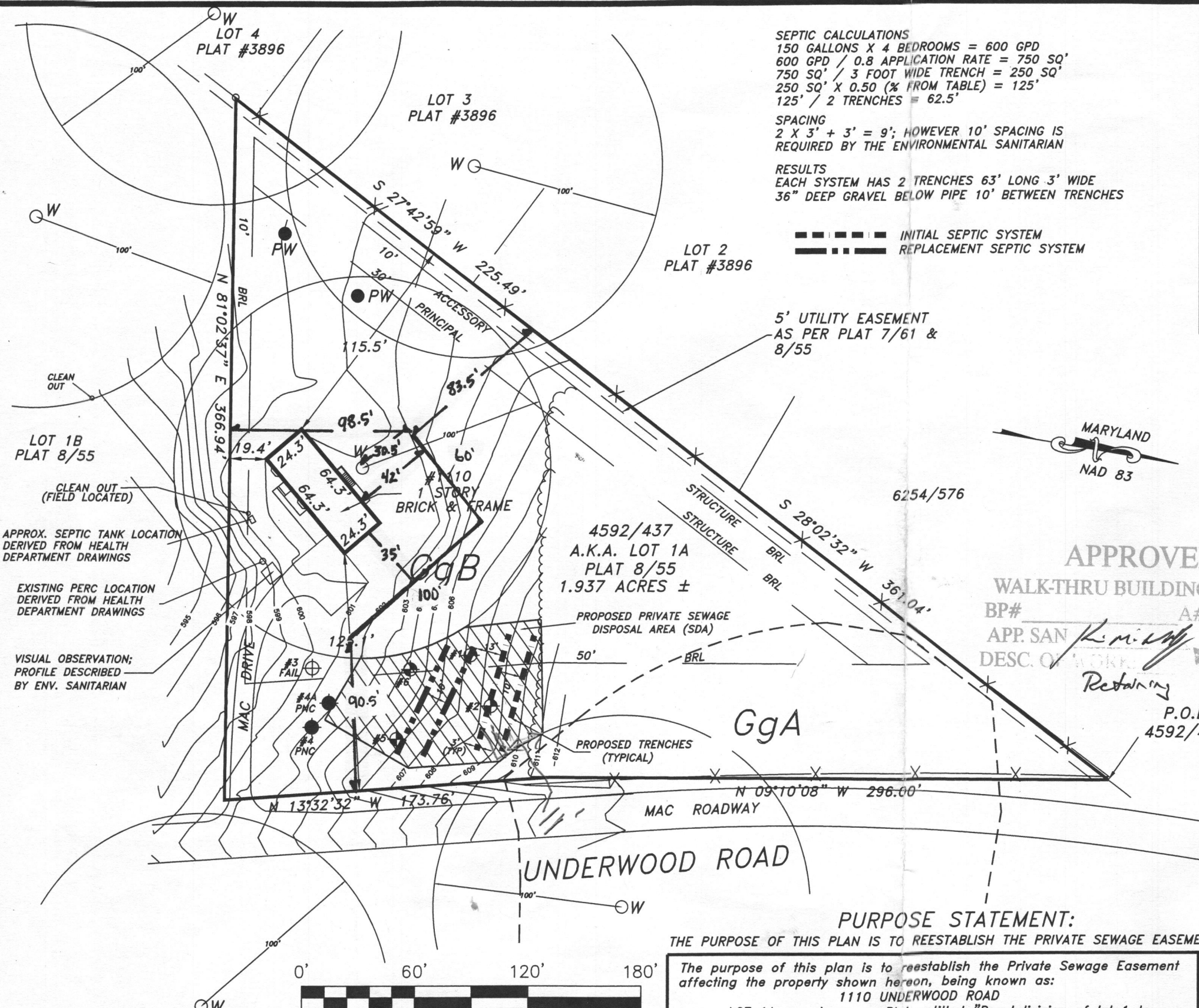
Very truly yours,

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 Number 17795  
Expiration Date 5/13/16

  
Peter McConaughy, P.E.  
Structural Engineer



Copy via Email: [jason.boockholdt@yahoo.com](mailto:jason.boockholdt@yahoo.com)



**SEPTIC CALCULATIONS**  
 150 GALLONS X 4 BEDROOMS = 600 GPD  
 600 GPD / 0.8 APPLICATION RATE = 750 SQ'  
 750 SQ' / 3 FOOT WIDE TRENCH = 250 SQ'  
 250 SQ' X 0.50 (% FROM TABLE) = 125'  
 125' / 2 TRENCHES = 62.5'

**SPACING**  
 2 X 3' + 3' = 9'; HOWEVER 10' SPACING IS REQUIRED BY THE ENVIRONMENTAL SANITARIAN

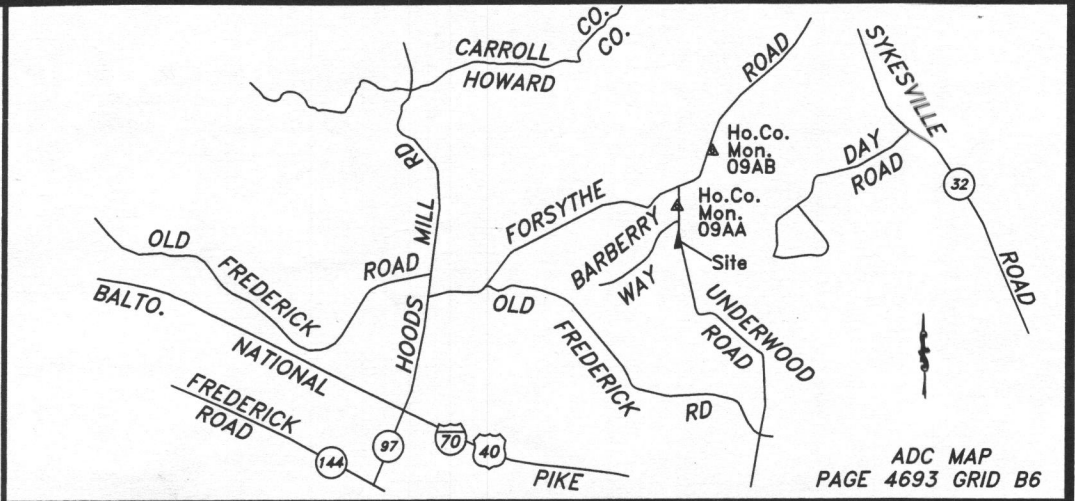
**RESULTS**  
 EACH SYSTEM HAS 2 TRENCHES 63' LONG 3' WIDE  
 36" DEEP GRAVEL BELOW PIPE 10' BETWEEN TRENCHES

--- INITIAL SEPTIC SYSTEM  
 - - - - - REPLACEMENT SEPTIC SYSTEM

5' UTILITY EASEMENT  
 AS PER PLAT 7/61 &  
 8/55



**APPROVED**  
**WALK-THRU BUILDING PERMIT**  
 BP# \_\_\_\_\_ A# \_\_\_\_\_  
 APP. SAN \_\_\_\_\_ DATE: 11/2/14  
 DESC. OF WORK: Retaining Wall  
 P.O.B. 4592/437



VICINITY MAP 1" = 6000'

**GENERAL NOTES:**

- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA (SDA) AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.
- SUBJECT LOT WAS CREATED IN 1961.
- EXISTING SEPTIC SYSTEM WAS APPROXIMATELY LOCATED FROM A COMBINATION OF HEALTH DEPARTMENT DRAWINGS AND FIELD EVIDENCE. (CLEAN OUT FOR TANK)
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100' OF THE PROPERTY BOUNDARIES, WITNESSED BY VISUAL INSPECTION, WERE FIELD LOCATED AND SHOWN HEREON.
- ALL EXISTING AND PROPOSED WELLS WITHIN 200' DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS LOCATED BY VISUAL INSPECTION ONLY.
- SOIL TYPE BOUNDARY LINE SCALED FROM MAP OBTAINED USDA WEBSITE WAS
  - (a) GgA GLENELG LOAM 0 to 3%
  - (b) GgB GLENELG LOAM 3 to 8%
- EXISTING FIRST FLOOR: 603.2'  
 BASEMENT: 595.2'  
 GARAGE SLAB: 601.7'
- THE ELEVATIONS AND CONTOURS SHOWN HEREON ARE THE RESULT OF A FIELD RUN TOPOGRAPHIC SURVEY, AND ARE SHOWN IN THE NAVD 1988 DATUM, BASED UPON BENCHMARK No. 09AA.
- PW REPRESENTS PROPOSED ALTERNATIVE WELL SITES.
- ⊕ REPRESENTS PASSED PERC HOLE.
- ⊙ REPRESENTS PASSED NON-CONVENTIONAL PERC HOLE.
- ⊕ REPRESENTS FAILED PERC HOLE.
- W REPRESENTS EXISTING WELL.
- THE PROPOSED SDA WILL ACCOMMODATE ONLY TWO CONVENTIONAL DRAINFIELD SYSTEMS THAT HAVE DEEP TRENCHES DESIGNED BY CURRENT STANDARDS
- TOPOGRAPHY SHOWN HEREON IS AT ONE-FOOT CONTOUR INTERVALS (ONE FOOT INTERVALS ARE REQUIRED FOR MOUND SYSTEMS AND SYSTEMS WITH PIPE DEPTH LESS THAN TWO FEET) AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
- THE LIMITATIONS OF SOILS PROPERTIES ON (TAX MAP 9) PARCEL 80 ARE SUCH THAT A HOUSE WITH NO MORE THAN FOUR BEDROOMS CAN BE SUPPORTED BY THE DESCRIBED SDA.

**PURPOSE STATEMENT:**

THE PURPOSE OF THIS PLAN IS TO REESTABLISH THE PRIVATE SEWAGE EASEMENT.

The purpose of this plan is to reestablish the Private Sewage Easement affecting the property shown hereon, being known as:  
 1110 UNDERWOOD ROAD  
 LOT 1A, as shown on Plat entitled "Resubdivision of lot 1 to lots 1A & 1B GERBER KNOLL"  
 recorded among the land records of Howard County, Maryland in Plat Book 8, Plat 55

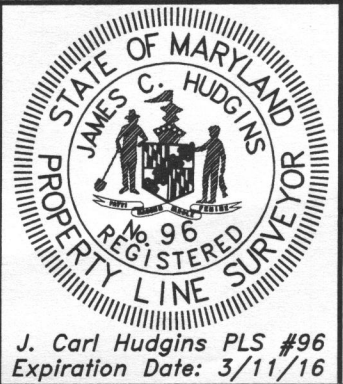
Subject property is shown in Zone X on the FIRM Map of Howard County, Maryland on Community Panel Number 24027C0055D, Effective 11/6/2013

This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations.

REVISED 11/3/2014 TO ADDRESS COMMENTS  
 REVISED 11/25/2014 TO ADDRESS COMMENTS

HOWARD COUNTY, MARYLAND  
 HEALTH DEPARTMENT  
 APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.  
 HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

**OWNER/DEVELOPER**  
 Jason C. Boockholdt and  
 Heather M. Perrault  
 1110 Underwood Road  
 Sykesville, Maryland 21784  
 Phone: (240) 353-7398



**PERCOLATION CERTIFICATION PLAN**  
 1110 UNDERWOOD ROAD  
 TAX MAP 9, PARCEL 80  
 4rd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**NTT Associates, Inc.**  
 16205 Old Frederick Rd.  
 Mt. Airy, Maryland 21771  
 Phone: (410) 442-2031  
 Fax: (410) 442-1315  
 www.nttsurveyors.com

Scale: 1" = 60'  
 Date: 6/3/2014  
 Field By: RIK/SCK  
 Drawn By: RIK/SCK  
 File No.: MISC10707A