

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

APP 545090

AGENCY REVIEW: _____

DATE 7-9-13

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH _____ PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Bernard A & Olga L. Duplan

DAYTIME PHONE 301-954-6800 CELL 301 385 1642 FAX _____

MAILING ADDRESS 3211 Jones Road Woodbine MD 21797
STREET CITY/TOWN STATE ZIP

APPLICANT VANMAR ASSOC INC.

DAYTIME PHONE 301 879 7990 CELL _____ FAX 301-831-5603

MAILING ADDRESS 310 South Main
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Duplan Property LOT NO. _____

PROPERTY ADDRESS Situate on corner of Jones Rd & Jennings Chapel Rd
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 13 GRID 22 PARCEL(S) 87 PROPOSED LOT SIZE 3,000 & 3,877

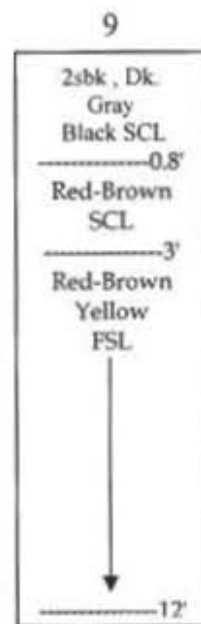
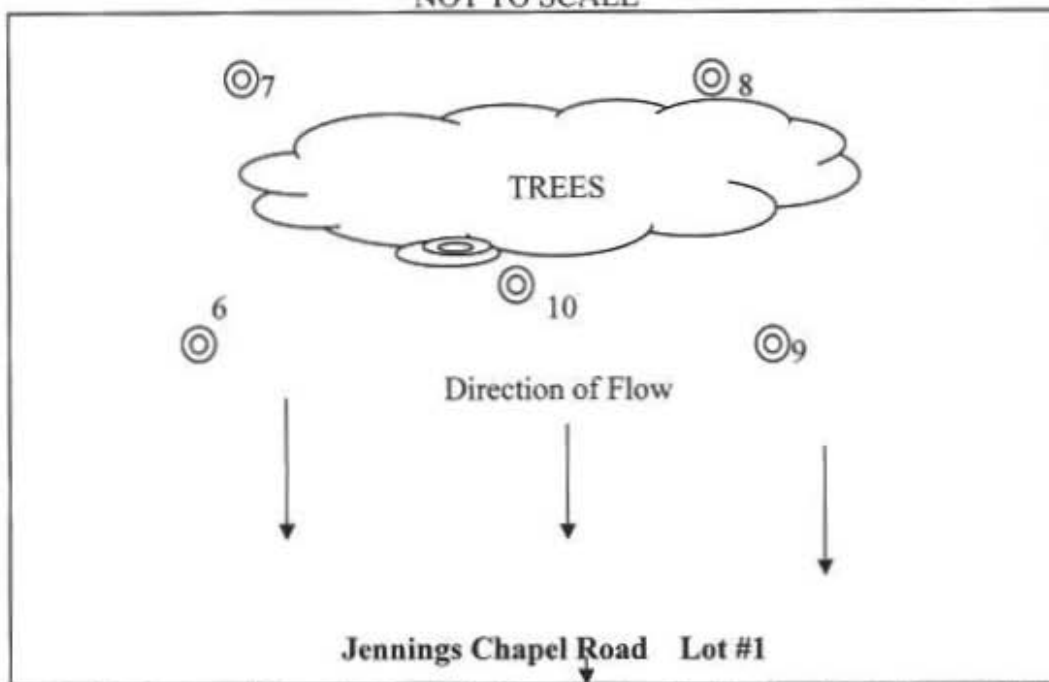
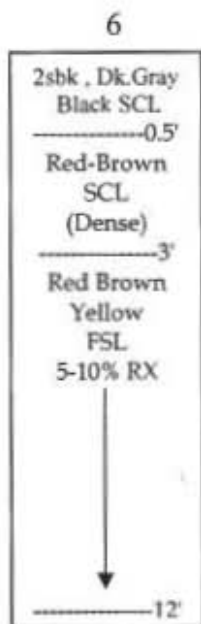
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERCO CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. _____
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
1718 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

Percolation Information- Jones Road

NOT TO SCALE



Date	Test	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 nd Inch	P/F/H
9-18-13	6	4/ 12	1:32	1:34	1:37	3 min.	Pass
9-18-13	7	5/ 11	12:54	12:56	12:58	2 min.	Pass
9-18-13	8	12		Visual Pass			Pass
9-18-13	9	4/ 12	1:46	1:48	1:53	5 min.	Pass
9-18-13	10	4/ 12	1:18	1:20	1:22	2 min.	Pass

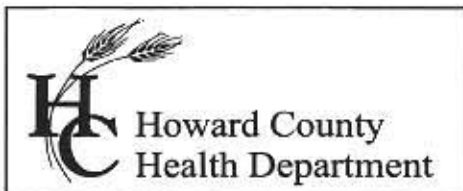


Remarks: Perc holes must be surveyed on Percolation
Certification Plan.

Sanitarian D. Bernard Backhoe Level Land Others

Test Holes Used in SDA 5 Avg. Perc Time 4 min. SQ.FT/BR

Trench Width Inlet Depth Max Bot.Depth 8 Effective S/W



7178 Columbia Gateway Drive, Columbia MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

PERCOLATION TEST AND PLAN REQUIREMENTS FOR DEVELOPED LOTS

Prior to issuance or approval of a building permit, submission of a Percolation Certification Plan is required by the Howard County Health Dept. per *Howard County Code Sec. 3.805*. This rule may not apply IF the proposed structure is less than 250 sq. ft. and is not a garage or a similar structure, does not increase the amount of living space; AND the existing onsite septic system is adequate for the existing property use.

APPLICATION PROCESS

- Complete an Application for Percolation Testing (available online or at our office) submit payment to the Bureau of Environmental Health during office hours in the amount of \$506 (per lot) made payable to the Director of Finance
- A Well & Septic staff member will contact the individual listed as the applicant within 10 business days to schedule a date for the percolation test or to discuss comments/concerns regarding the site plan
- It is the responsibility of the homeowner to coordinate a backhoe onsite the day of the percolation test to perform the excavations (a list of contractors who do perc testing may be made available upon request). Test locations must be adequately staked prior to testing
- Miss Utility must also be contacted prior to the percolation test date

SITE PLAN

Submit a site plan (prepared by a professional surveyor or engineer, surveyors plats may also be used at the homeowner's discretion). The site plan should be submitted along with an application for percolation testing. The site plan **MUST** be drawn to an appropriate scale (1:30 – 1:100) and must show the following:

- Identification of the property, road, street address if applicable, subdivision name, etc.
- Name address and telephone number of the owner, developer, and the person preparing the plan
- If the lot was created *AFTER* March 1972 a minimum area of 10,000 sq. ft. is required as designated septic reserve area. For lots created *PRIOR* to March 1972 a septic reserve area large enough to accommodate 3 systems (an initial and 2 replacements) must be proposed. An adequate number of test locations (may be determined by the approving authority) must be proposed within the septic area.
- Any adjustments/modifications to the existing septic easement showing area lost and area gained

- Topography at two-foot intervals and statement verifying such
- The existing well and/or any proposed wells on the property and the existing septic system (i.e. septic tank, drywell, trenches)
- All existing and any proposed property lines
- Landscape features such as swales, ponds, streams, etc., slopes greater than 25%, soil type boundaries, etc. (wet season soil will be limited to testing during a designated time of year)
- All existing structures on the property (if necessary label structures to remain or to be removed)
- Location(s) of proposed structure/addition
- All wells and septic systems within 100' of the property boundaries and all existing or proposed wells less than 200' down-gradient of a septic system and/or septic easement

PERCOLATION CERTIFICATION PLAN

The Percolation Certification Plan will formally establish an approved septic easement on the property in accordance with Howard County Code. Following completion of percolation testing this plan should be submitted to our office for review. The Perc Cert plan will have the same requirements as shown on the site plan in addition to the following:

- Legend symbols to distinguish plan features (i.e. well, septic etc.) and test holes, which passed, failed, or were held for re-review (e.g., for wet season), and any previously documented holes
- A professional seal or signed statement
"I certify that the information shown hereon is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."
- Health Officer Signature block

"Approved For Private Water and Private Sewerage Systems"	
_____ Health Officer, Howard County Health. Dept.	_____ Date

The following notes must also be included on the plan:

- Any changes to a private sewage easement shall require a revised percolation certification plan
 - The topography of this plat is taken from _____ and is verified to accurately represent the relative changes on the subject property
 - All wells and septic systems located within 100' of the property boundaries and 200' down gradient of any wells and/or septic systems have been shown
 - A purpose statement indicating the purpose of the plan
- Certification of compliance with MDE ownership width and lot area requirements for lots created after 1985:
- The lot(s) shown hereon complies/comply with the minimum ownership width and lot area as required by the Maryland Department of Environment

- MDE statement for lots created *after* March 1972:

//// "This area designates a private sewage disposal area of at least 10,000 sq. ft. 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 easement. Recordation of a revised sewage easement shall not be necessary."

OR

- MDE statement for lots created *before* March 1972:

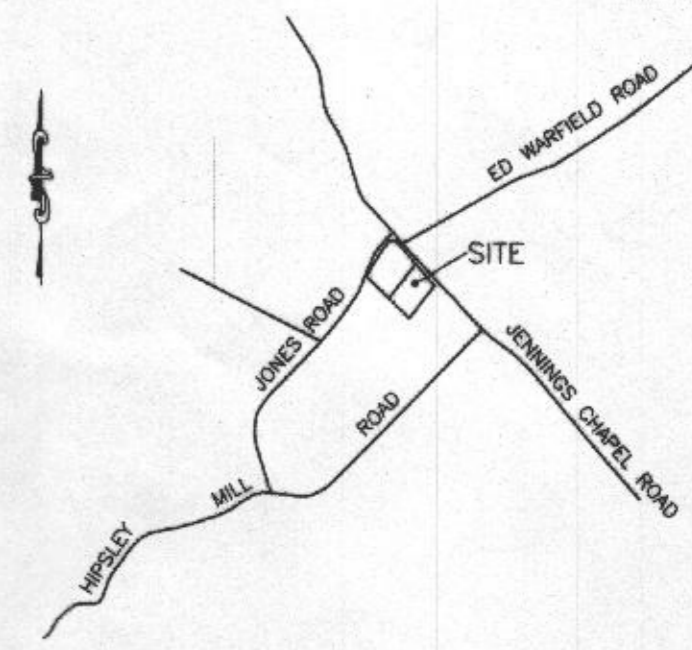
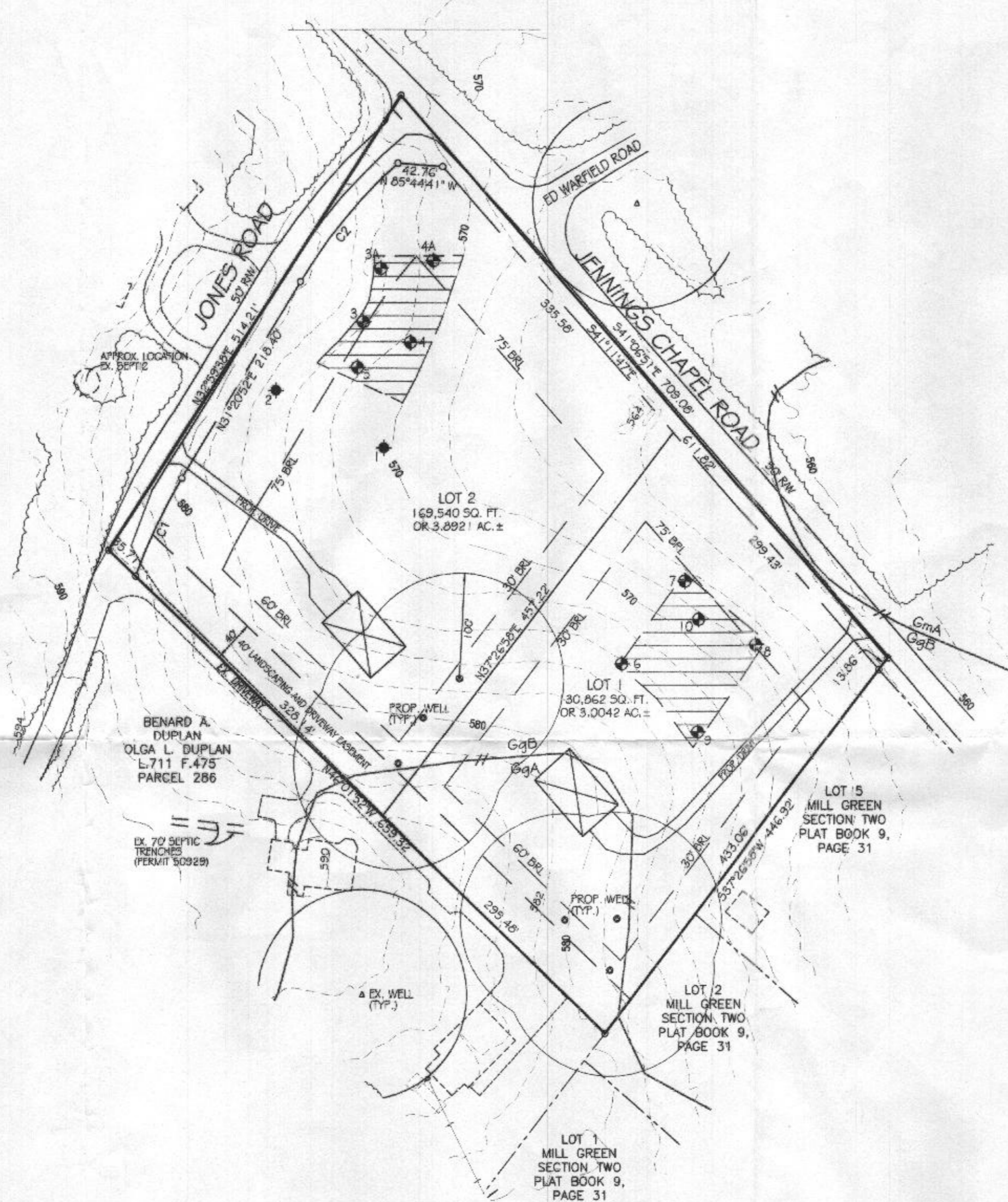
//// "This area designates a private sewage area as required by the Maryland State Department of the Environment for individual sewage disposal. For lots created prior to March of 1972 it provides at least enough area to accommodate an initial and two replacement septic systems as required by the Howard County Health Department. Improvements of any nature in this area are restricted until public sewerage is available. This area 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 area. Recordation of a modified sewage area shall not be necessary."

The Percolation Certification Plan will be reviewed for its completeness and compliance with state and local code. Once the plan receives the Health Officer's signature indicating approval, a building permit may be issued thereafter if there is no septic upgrade or well upgrade involved. Any septic system replacements, upgrades or well replacement or upgrades shall be completed prior to building permit approval.

Howard County Code & setback requirements are available for reference on our website at the following address:

<http://www.howardcountymd.gov/Health/docs/WellandSepticRegulations.pdf>

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	TANGENT	CHORD BEARING	CHORD LENGTH
C1	505.00'	100.06'	11°21'11"	50.20'	S 25°40'16" W	99.90'
C2	505.00'	146.81'	16°39'25"	73.93'	S 39°40'34" W	146.30'



VICINITY MAP
SCALE 1"=2,000'

- GENERAL NOTES:
- OWNER: BERNARD A. DUPLAN & OLGA L. DUPLAN
DEED REFERENCE: LIDER 1102 FOLIO 002
DATE: MAY 14, 1982
GRANTOR: PAUL KOVAL & DOROTHY KELLY KOVAL
 - TAX MAP: 13 GRID: 22 PARCEL: 87
 - NEAREST POTABLE WATER SUPPLY: MT. AIRY DISTANCE: 6 MILES ±
 - THERE IS NO FLOOD HAZARD AREA (100 YEAR FLOODPLAIN) LOCATED ON THIS PROPERTY ACCORDING TO FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 240044 0007B.
 - TOPOGRAPHY AND PLANIMETRICS: FROM HOWARD COUNTY GIS, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
 - THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
 - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES AND ACCURATELY SHOWN.
 - SOIL TYPES: GLENELG (GgA, GgB), GLENVILLE (GmA, Mt. Airy (MaC) HOWARD COUNTY SOILS MAP GRID NO. 307.
 - ZONING DISTRICT: RCDBD
 - ALL WELLS TO BE DRILLED PRIOR TO FINAL PLAT SIGNATURE. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO THE FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED 'GOVERNMENT DELAY' IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - ANY CHANGES TO A PRIVATE SEPTIC AREA WILL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - THERE ARE NO WETLANDS ON THE SUBJECT PROPERTY PER THE NATIONAL WETLANDS INVENTORY.
 - THE SOURCE OF SOILS INFORMATION SHOWN HEREON IS THE NATURAL RESOURCES CONSERVATION SERVICE.

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

(PASSED) PERCOLATION TEST SITE:

(FAILED) PERCOLATION TEST SITE:

EXISTING WELL:

PROPOSED HOUSE SITE:

PROPOSED WELL SITE:

25% OR GREATER SLOPES (THERE ARE NO 25% SLOPES ON THE SUBJECT PROPERTY):

DATE	REVISIONS



PERCOLATION CERTIFICATION PLAN
DUPLAN PROPERTY
SITUATED ON THE CORNER OF JONES ROAD & JENNINGS CHAPEL ROAD
ELECTION DISTRICT No. 4
HOWARD COUNTY, MD
SCALE 1"=100' OCTOBER, 2013

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
B. Wilson
HOWARD COUNTY HEALTH OFFICER DATE 11/22/2013

I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21266, EXPIRATION DATE 9/9/15.
T. Michael Vansant
T. MICHAEL VANSANT DATE 11/22/2013

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
Fax (301) 831-5803 ©Copyright, Latest Date Shown