

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AVP 528471

AGENCY REVIEW: _____

DATE 1/30/08

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:

CHECK AS NEEDED:

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

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

CHECK ONE:

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

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

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 4 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) KEVIN & SUZANNE CROWELL

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 14022 TRIADOLPHIA MILL RD. DAYTON MD
STREET CITY/TOWN STATE ZIP

APPLICANT WINFIELD & LANG LLC (Chip Aitken)

DAYTIME PHONE 410-990-1860 CELL 301-370-4279 FAX 410-521-2559

MAILING ADDRESS 9206 DOLWOOD RD. WINDSOR MILL MD 21244
STREET CITY/TOWN STATE ZIP

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


PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME TRIAOLPHIA MILL FARMS LOT NO. 16

PROPERTY ADDRESS 14022 TRIADOLPHIA MILL RD. DAYTON MD
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 27 GRID 24 PARCEL(S) 126 PROPOSED LOT SIZE 3,037 AC

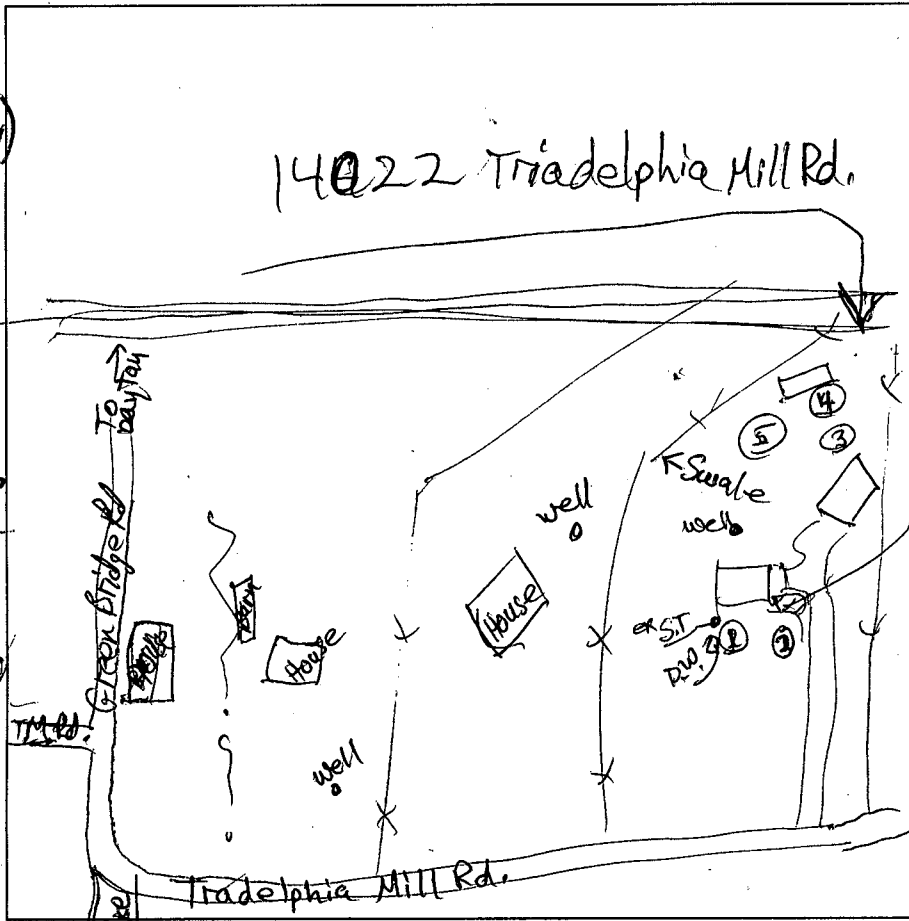
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A.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

TEST RESULTS WILL BE MAILED TO APPLICANT.


SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

14022 Triadelphia Mill Rd.



③ 1/4
 1' brn sl (heavy) sbk
 3.5' grey brown sl, om Saprolite
 com many mica
 6' grey brown chsl micaceous
 8' grey brown vchsl micaceous
 12' ⑤
 0.5' brn sl
 2' brn sl sbk
 grey brn heavy sl, om Saprolite
 many mica
 3' grey brn chsl to vchsl micaceous
 11' grey-brn flsl
 14' ①
 0.4' brn sl (heavy) 1msbk
 many mica
 1.5' brn sl heavy
 4' grey-brn sl micaceous
 7' grey-brown chsl, om Saprolite micaceous
 10' H. grey brn flsl (light)
 14' many mica

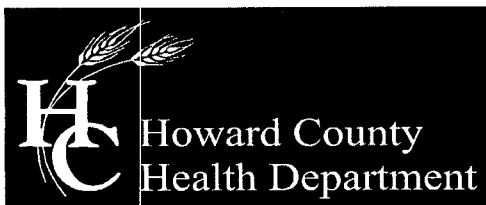
tree and landscape bed higher top

②
 0.5' brn sl (heavy)
 2.0' brn sl 1msbk
 Variegated heavy sl, om, many mica
 3' dk grey-brn st & chsl
 6' grey brn light sl, micaceous
 10.5' ②
 11.5' ②

very flaggy
 seam dipping at north end of hole
 Cupward toward driveway

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/14/08	3	4' 12"	Q	6	12	6	P
3/14/08	4	4.5' 12"	Q	1.3	3.5	2.2	P
3/14/08	5	4.5' 14"	Q	5	15	10	P
3/14/08	1	5.5' 14"	Q	1.5	5	3.5	P
3/14/08	2	5' 11"	Q	3	8	5	P

REMARKS Easement divided in 2 areas; different perc rate for each
 SANITARIAN RB BACKHOE Ricky (Fogles) OTHERS chip Aitken & owners
 TEST-HOLES USED IN SDA 1, 2, 3, 4, 5 AVG. PERC TIME 2.0 SQ. FT/BR
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(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

March 17, 2008

Kevin & Suzanne Crowell
c/o John W. Aitken, Jr.
Winfield & Lang, LLC
9206 Dogwood Road
Windsor Mill, MD 21244

RE: PERCOLATION TEST RESULTS, 14022 Triadelphia Mill Road, A-528471

Dear Mr. & Mrs. Crowell,

The results of percolation testing conducted on the subject property on March 14, 2008 are satisfactory for onsite wastewater disposal. The purpose of conducting the percolation tests is to revise the septic easement prior to deconstructing the existing residence and building a new structure. Field data collected are shown on the Percolation Test Worksheet enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. When the Percolation Certification Plan is approved, the values for the drainfield parameters will be established and maintained in the Health Department file for the subject property.

The entire area of the proposed septic easement is not contiguous. It is proposed as two sections, the sum of the areas equal to or greater than 10,000-square feet. The smaller of the two areas, represented by percolation test locations #1 and #2, is in front of the existing residence and lies between the existing septic system and the driveway. It has a moderately rapid percolation rate and is likely large enough to accommodate the initial septic system for the proposed residence. Gravity flow from the first floor may be achieved to distribute effluent to the initial system. The larger section of the proposed easement, represented by percolation test locations #3, #4 and #5, primarily lies between the existing garage and a shed located at the far eastern end of the subject property. The percolation rate here is moderate, and the area apparently is large enough to accommodate 2 replacement systems. Wastewater effluent will have to be pumped to this section of the proposed septic easement.

According to the submitted plan, a replacement well is to be installed, and the existing well is to be abandoned (and properly sealed). The existing dry well is to be properly abandoned. The existing septic tank also will be abandoned as its current position is nearer than 20 feet to the foundation. Also, a 2000-gallon septic tank capacity will be required for the new residence.

Relative to Health Department inspections and approvals, an anticipated chronology follows:

- 1) Health Officer signature of Percolation Certification Plan
- 2) New well established
- 3) Existing well abandoned and sealed
- 4) Demolition permit issued
- 5) Building permit issued
- 6) Septic system permit issued (A 'Wall Check' is required. In essence, a surveyed location of the new foundation footprint with new well location, abandoned well location, and the septic easement shown in exact same relation to lot lines as shown on Percolation Certification Plan.)
- 7) New septic system installed and approved by Inspector
- 8) Water sample from (kitchen) fixture in new residence
- 9) Interim Certificate of Potability (ICOP) letter issued
- 10) Use & Occupancy issued

The existing septic system (septic tank and dry well) are to be pumped and collapsed, and the voids refilled, at time of demolition of the existing residence. The contractor's invoice for pumping the tank and dry well is evidence of the proper abandonment of the septic system. The Well Permit Application may be submitted at any time, and the demolition permit may be applied for at this time. I suggest that the Building Permit application be submitted when the existing well is abandoned and sealed.

Review and approval of an anticipated Building Permit is contingent upon submission of a Percolation Certification Plan that meets state and county requirements. To reduce the amount of time required for Health Department approval for both, the plans may be combined. In addition to the content normally required, the following should be included on the drawing submitted as the Percolation Certification Plan:

- a) proposed locations for a 2,000 gallon septic tank and a distribution box
- b) proposed location and Invert elevation for Sewer Out (of new residence)
- c) Grade over Septic Tank, AND Invert elevations for Septic Tank In and Out
- d) Grade over Distribution Box, and Invert In and Invert Out
- e) Invert for topmost trench (4 feet depth recommended, if obtainable).

In addition to required standard notes, these 4 site-specific notes must appear on the plan:

THE REPLACEMENT WELL MUST BE DRILLED AND APPROVED BY THE HEALTH DEPARTMENT PRIOR TO DEMOLITION APPROVAL.

THE EXISTING WELL MUST BE PROPERLY ABANDONED AND SEALED PRIOR TO DEMOLITION APPROVAL.

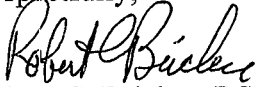
INSTALLATION OF THE NEW SEPTIC SYSTEM MUST BE APPROVED BY THE HEALTH DEPARTMENT INSPECTOR PRIOR TO ISSUANCE OF THE ICOP.

THE EXISTING SEPTIC TANK AND DRY WELL MUST BE PROPERLY ABANDONED PRIOR TO BUILDING PERMIT APPROVAL.

The new well is to be protected at all times during construction of the new residence. Similarly the approved septic easement area is not to be excavated, except for the installation of the new trenches. A barrier may be utilized to protect the septic easement area adjacent to planned construction.

If you have any questions regarding the site evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by calling (410) 313-2691.

Respectfully,



Robert C. Bricker, RS, CPSS
Well and Septic Program
Development Coordination Section

Enclosure: Field Worksheet

Copy: BPR Inc.
File



WINFIELD & LANG LLC

Howard County Department of Health

1/30/08

Howard County Septic Inspector,

Winfield & Lang LLC has been contracted by the Crowell's located at 14022 Tridelphia Mill Rd. in Dayton. Md., to remodel their existing home. Prior to issuing the permit we understand a septic system has to be modified. The home is currently being occupied and we have access and water to dig perk holes. The demolition will not begin obviously until the permit is issued. Our contractor, Maticic Construction Services is approved by Howard County to install septic systems and is available when ever you are to start the process. Please contact me as soon as we may begin to schedule at 301-370-4279. Thank you for your promptness on this matter.

Chip Aitken
Winfield & Lang LLC

HOWARD COUNTY HEALTH DEPT.
BUREAU OF ENVIRONMENTAL HEALTH

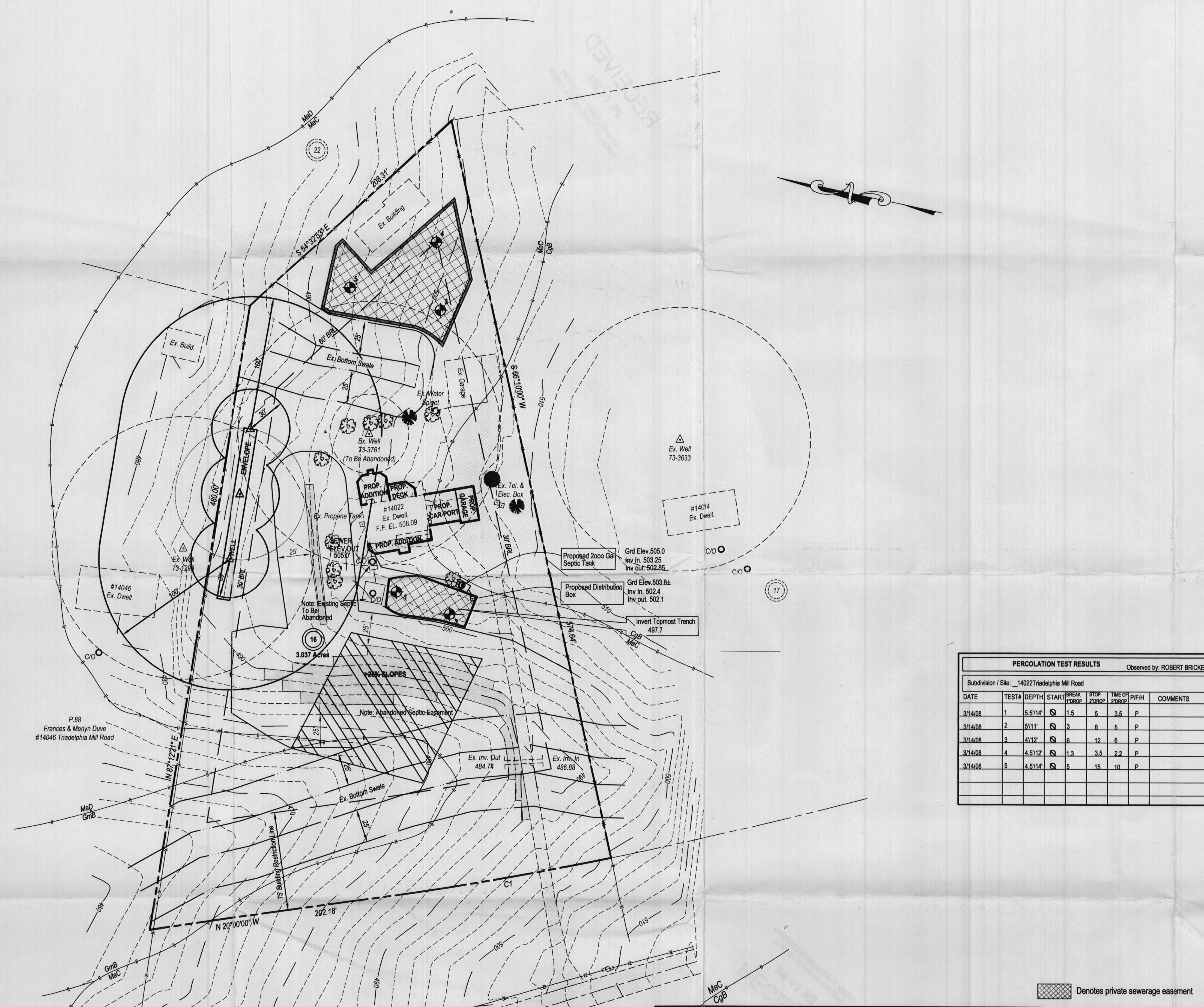
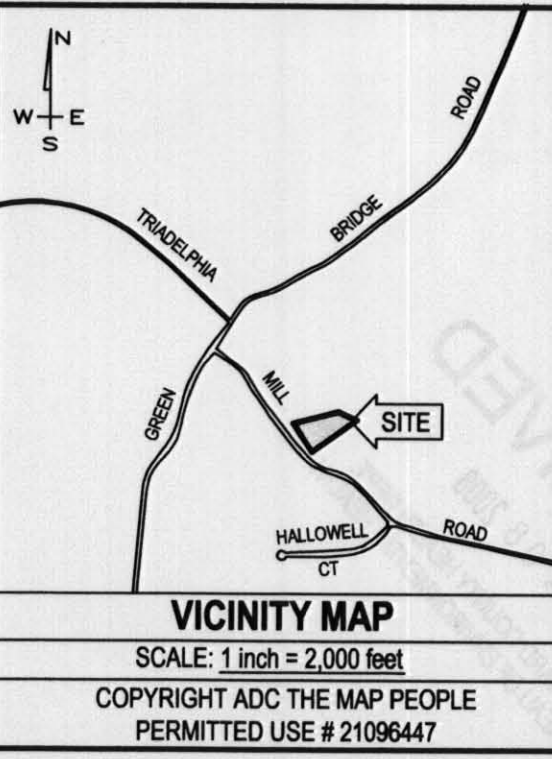
JAN 30 2008

RECEIVED

9206 Dogwood Rd.
Windsor Mill , Md.
21244
Your Address Line 4

Phone: 301-370-4279
Fax: 410-521-2559
Email: JWA2447@aol.com

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD BRG	CHORD DIST
C1	149.85	3370.00	2°33'55"	75.46	S21°59'36"E	150.88



- GENERAL NOTES**
- Current Title Reference
Owner - Kevin Patrick & Suzanne Magnolia Crowell
Deed reference - Liber 7575 Folio 0218
Date - August 28, 2003
Grantor - Lory Hammer & Max Hammer
 - The outline shown hereon is based on Plat information.
 - The topography shown hereon is based on a field survey by BPR, Inc.
 - The nearest potable water supply is shown hereon.
 - There are no other wells or septic systems within 100 feet of the property boundary unless otherwise shown hereon.
 - *If gravity flow to sewage disposal area cannot be ensured, a pumped sewage disposal system will be required.*
 - *For construction of dwellings (or other facilities), exceeding a three bedroom house size (450 gpd), it must be demonstrated that there is adequate area for an initial and two replacement septic systems in accordance with COMAR 26.04.02.04 (effective 11-18-85). In some cases, it will be necessary to demonstrate that the sewage disposal area will accommodate an original and two replacement septic systems for a three bedroom house.
 - The Soil map Units From The Most Recent NRCS Survey Available Online At <http://soildatamart.nrcs.usda.gov/>.
 - This area shown hereon as [hatched symbol] designates a private sewage easement 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 easement 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.
 - Any changes to a private sewage easement shall require a revised Percolation Certification Plan.
 - THE REPLACEMENT WELL MUST BE DRILLED AND APPROVED BY THE HEALTH DEPARTMENT PRIOR TO DEMOLITION APPROVAL.
 - THE EXISTING WELL MUST BE PROPERLY ABANDONED AND SEALED PRIOR TO DEMOLITION APPROVAL.
 - INSTALLATION OF THE NEW SEPTIC SYSTEM MUST BE APPROVED BY THE HEALTH DEPARTMENT INSPECTOR PRIOR TO ISSUANCE IF THE ICOP.
 - THE EXISTING SEPTIC TANK AND DRY WELL MUST BE PROPERLY ABANDONED PRIOR TO BUILDING PERMIT APPROVAL.
 - THE LOT(S) SHOWN HEREON COMPLIES/COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
 - Basement sewer does not discharge by gravity flow

PERCOLATION TEST RESULTS										Observed by: ROBERT BRICKER
Subdivision / Site: 14022 Triadelphia Mill Road										
DATE	TEST#	DEPTH	START	BREAK	STOP	TIME OF	P/F/H	COMMENTS		
			TIME	TIME	TIME	TRAP				
3/14/08	1	5.5'14"	1.5	5	3.5	P				
3/14/08	2	5'11"	3	8	5	P				
3/14/08	3	4'12"	6	12	6	P				
3/14/08	4	4.5'12"	1.3	3.5	2.2	P				
3/14/08	5	4.5'14"	5	15	10	P				

- DATA BLOCK**
- Zoning district: RR-DEO
 - Soil class map No. 22
 - Number of lots proposed: none
 - Total area of Lot: 3.037 Ac

14022 Triadelphia Mill Road

PERCOLATION CERTIFICATION PLAN
FOR
LOT #16 AS SHOWN ON PLAT OF SECTION ONE, AREA ONE, SHEET 1 OF 2 TRIADELPHIA MILL FARMS

PLAT 44 / 37
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TAX MAP -27 GRID -24 PARCEL -128

DATE	REVISIONS	BY
3/23/08	orig perc results	D.K.K./A.J.D.
3/31/08	Per Howard County Health Department	D.K.K./A.J.D.

Surveyed By: BPR
Computed By: BPR
Drawn By: R.S.S./A.J.D.
Checked By: D.K.K.
Drawing No. 08-030-000

BPR INC
SURVEYORS - LAND PLANNERS
150 Airport Drive
Suite 4
Westminster, Maryland 21157
Phone: (410)-857-9030
or (410)-876-0333
Fax: (410)-876-1532
www.bprsurveying.com
Date: March 19, 2008 Scale: 1 inch = 40 feet
Howard County File No. _____

A licensed Maryland Surveyor either personally prepared the Survey as shown hereon, or was in responsible charge over its preparation and the surveying work reflected in it, in compliance with chapter 09.13.06.12 of the Maryland Minimum Standards of Practice for Land Surveyors.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Robert Bricker 4/23/2008
HOWARD COUNTY HEALTH OFFICER DATE

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.

By: *Kevin P. Crowell* Date: April 3, 2008

This is to certify that the percolation test/observation holes have been located and are accurately shown on the plan

By: *Kevin P. Crowell* Date: April 3, 2008

OWNER / DEVELOPER

Kevin P. & Suzanne M. Crowell
14022 Triadelphia Mill Road
Dayton, MD 21036-1238

TRIADLPHIA MILL ROAD

800' TO INTERSECTION OF GREEN BRIDGE ROAD AND TRIADDELPHIA MILL ROAD.

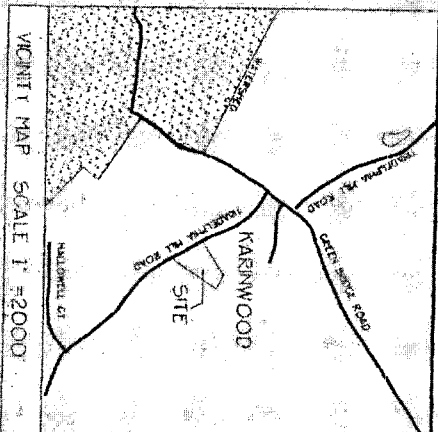
TRIADDELPHIA MILL ROAD
 VARIABLE WIDTH RIGHT OF WAY
 GREEN BRIDGE ROAD

ZONING=RR-D20

ZONING=RR-D20

LOT 16
 3.037 ACS

ZONING=RR-D20



LOT 22
 TAX MAP 27
 CRID 24
 PARCEL 128

SETBACKS
 PRIMARY
 FRONT=75
 SIDE=30
 REAR=60
ACCESSORY
 FRONT=75
 SIDE=30
 REAR=10
 HEIGHT=25

DEED REFERENCE:
 LIBER-4227
 FOLIO-567
 PLAT REFERENCE:
 #4437



ALL RIGHTS RESERVED BY THE SURVEYOR
 2800 HOLLOWAY POINT RD.
 PRINCE GEORGE'S COUNTY, MD 20778

PROPERTY OWNER: MICHAEL PALATIANO
 FRONTIER ADDRESS: 14022 TRIADDELPHIA MILL ROAD
 DAYTON, OH 45424
 ATTORNEY: GUYER, WELLEN, SAVERBERG & LIGHT, P.A.
 10014 RIVERSIDE TOWN ROAD, SUITE 301
 OWINGS MILLS, MARYLAND 21117

SPECIAL PURPOSE PLAT

TRIADDELPHIA MILL FARMS

5TH SECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE 1"=800' SEPTEMBER 1998

