



# HOWARD COUNTY HEALTH DEPARTMENT

30335

DATE

3 / 13 / 09

AS

Received From

Dr. Nadu Tuakli Md.

PHONE #

202-465-2629

Family Medical Care of Columbia -

P.O. Box 2331 Columbia, MD 21045

Shanabarger Lane

☒ CASH

☐ CHECK

NO.

2628

For

2 PERC Application -

13170 Triadelphia Mill Rd - Lot 1 & Lot 2

Tax Map 34, 3, 3

- Property of Dr. Nadu Tuakli, Keanoke, MD

One thousand and fourteen dollars <sup>74</sup>/<sub>100</sub>

Dollars

\$

1012 | 00

Received By

Carla H/L

Cash \$1012.00 - Check #2628



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_

AP 530335

AGENCY REVIEW: \_\_\_\_\_

DATE 3/13/09

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 UNKNOWN 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) DR. NAOU A. TIAKLI REVOCABLE TRUST

DAYTIME PHONE \_\_\_\_\_ CELL (202) 465-2681 FAX \_\_\_\_\_

MAILING ADDRESS 13603 GILBRIDE LANE CLARKSVILLE MD. 21081  
STREET CITY/TOWN STATE ZIP

APPLICANT G. SCOTT SHANABERGER, SHANABERGER & LANE

DAYTIME PHONE (410) 461-0563 CELL (NONE) FAX (410) 461-9693

MAILING ADDRESS 9726 TOWN & COUNTRY BVD., SUITE 201, ELICOTT CITY, MD., 21043  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME PROPERTY OF DR. NAOU A. TIAKLI REVOCABLE TRUST LOT NO. 1

PROPERTY ADDRESS 13170 TRIADELPHIA HILL RD. CLARKSVILLE, MD. 2081  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID 3 PARCEL(S) 2 PROPOSED LOT SIZE \_\_\_\_\_

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.

G. Scott Shanaberger  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P \_\_\_\_\_

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

REMARKS \_\_\_\_\_

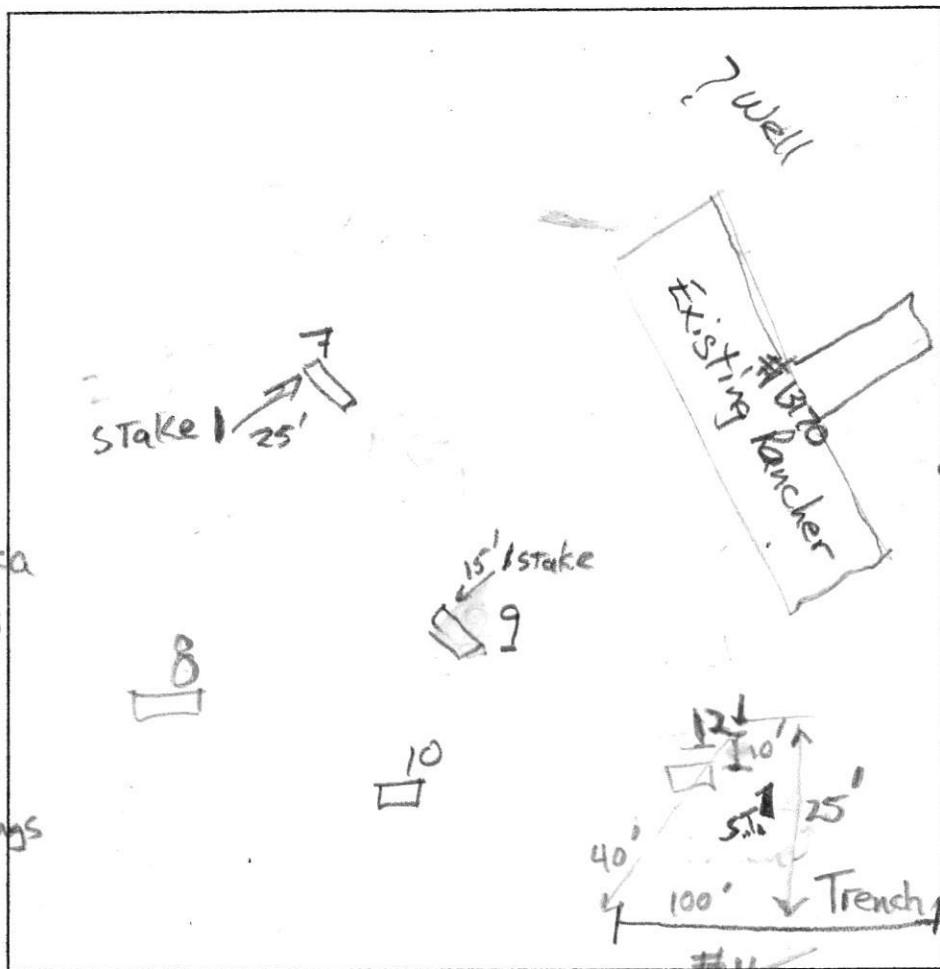
SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

10  
0.5' brn sl  
red-brn scl  
2 m sbk  
few mica  
3.5' yel-red sl  
common mica  
5' dense  
brn lfs  
micaceous  
saprolite  
many fine mica  
10' dk grey-brn ls  
micaceous,  
moist  
11.5' dk brn lfs  
many mica  
continuous  
black coatings

8  
brn loam  
to brn scl  
2' 2 m pl to 2' sbk  
tan & red  
heavy sl  
slight sticky  
common mica  
3.5' brn sl  
many, medium  
inclusions  
black micaceous  
lfs  
10' dk grey-brn  
chsl, 1 m pl  
moist  
11.0' dk brn sl  
few channels  
3 cpl, moist  
water  
11.5' common  
Mn coatings



9  
0.5' brn loam  
4' brn scl  
dk. brn chsl  
few, large  
inclusions black  
many mica  
7' brn chsl  
interlayered  
black sl  
micaceous  
2.5' lt. grey brn  
sl micaceous,  
few Mn coating

7  
brn loam  
to brn scl  
2' yel-red sl  
heavy lfsbk  
common mica  
3.5' red & tan  
sl, many  
mica  
11. brn sl  
many mica

12  
brn loam  
to brn scl  
2.5' yel-brn scl  
to yel-brn scl  
heavy  
4' dk brn sl  
many mica  
with many  
small black &  
small white

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4/9/09	10	5' 10'	12:10	12:35	14' led	—	F
4/9/09	8	4.5' 10'	0	3	9	6	P
	reshell 10	6.5' 10'	0	15	45+	>30	F
4/9/09	9	4.5' 12'	0	2	5	3	P
4/9/09	7	4.5' 12'	0	7	14	7	P
4/9/09	12	12'	Visual		OK, 4' to 12'		P

REMARKS

Did Not Dig #11; #12 is

SANITARIAN

RB

BACKHOE

Bill Ingram

OTHERS

TEST HOLES USED IN SDA

AVG. PERC TIME

SQ. FT/BR

TRENCH WIDTH

INLET DEPTH

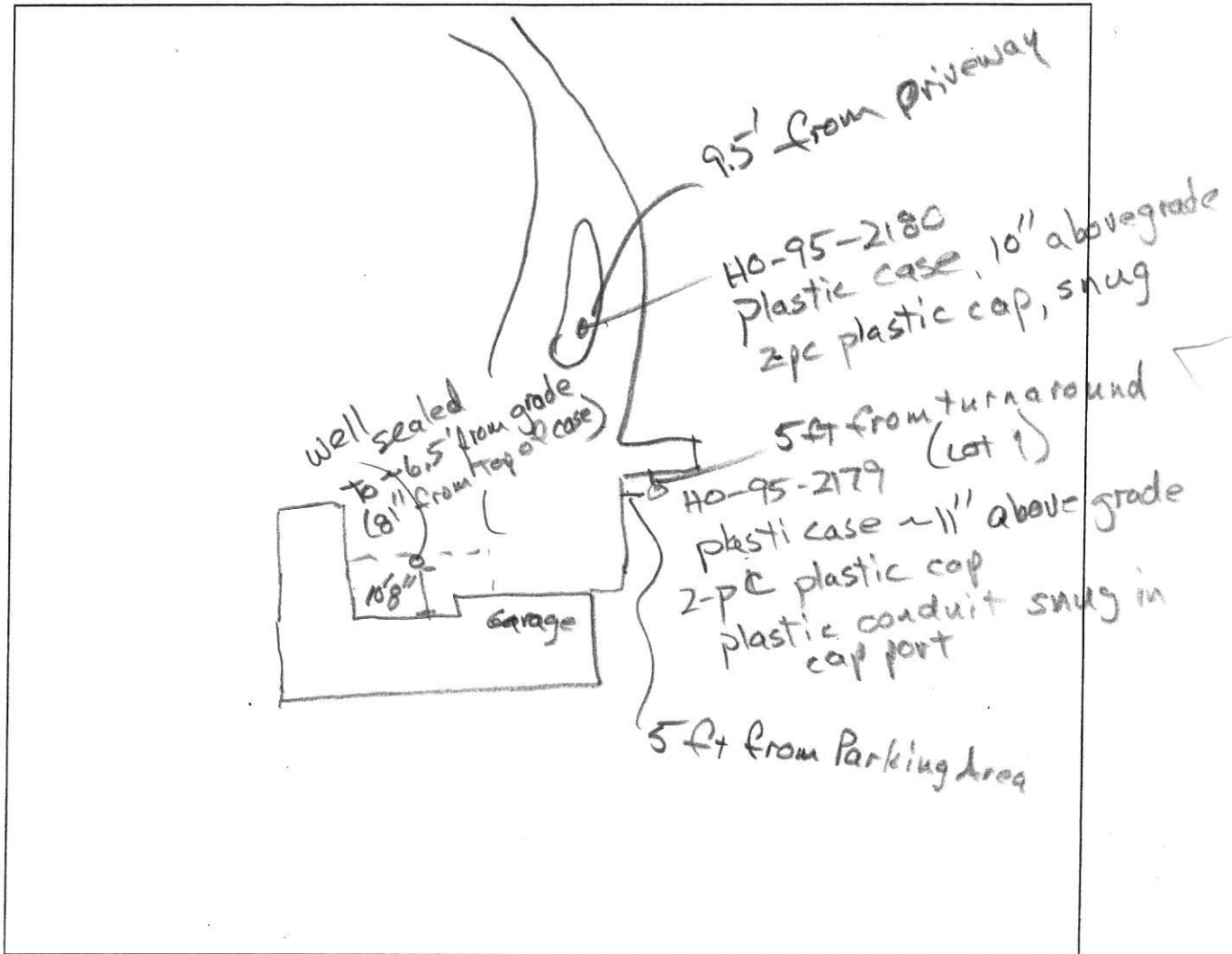
MAX. BOT DEPTH

EFFECTIVE S/W

SITE INSPECTION SHEET

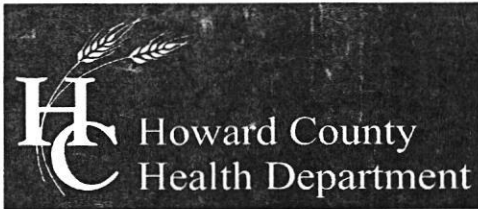
OWNER: Roberto Sanchez PHONE #: \_\_\_\_\_  
ADDRESS: 13170 Triadelphia Mill Rd. CONTRACTOR: \_\_\_\_\_  
SUBDIVISION: Property of Nadu Twakli LOT: 1 & 2 WELL TAG #: \_\_\_\_\_  
PROPOSAL: check sealed well. COUNTY #: \_\_\_\_\_

LOCATION DIAGRAM



COMMENTS: Old well sealed; Two new wells appear to  
meet Code. Well tags present on both new  
wells.

DATE: 6/7/12 INSPECTOR: R. Bailer



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](http://www.hchealth.org)

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

April 15, 2009

To: G. Scott Shanaberger, applicant  
Shanaberger and Lane

RE: Percolation Test Report, 13170 Triadelphia Mill Road, Tax Map 34 –Parcel 8,  
A530335

Dear Mr. Shanaberger,

Percolation testing was conducted on the subject property on April 9, 2009. Profile descriptions were recorded for all test locations observed and percolation test results were recorded for all but one of the described locations. The records of results and observations are the content of the 2 attached Percolation Test Field Worksheets. These records will be kept in a Health Department file for the subject property.

Suitable soil properties occur in the areas represented by test locations 1, 3, 5, 13 and 14 (both added), and at 7, 8, 9 and 12. Locations 2 and 10 were unsuitable due to a relatively high water table and very slow percolation rate, and locations 4 and 6 failed due to unsuitable soils and high water table. Location 11 was not dug as it was marked at a lower elevation and nearer to a water-bearing feature than was Location 10. On proposed Lot 2, the approvable area to comprise a septic easement of 10,000 square feet will be defined around locations 1, 3, 5, 13, and 14. Similarly, the area of at least 10,000 square feet on proposed Lot 1 should include locations 7, 8, and 9 as well as the existing trench (proven by the suitable soils described at location 12).

The existing trench location was confirmed; the exposed gravel was clean. The trench is 100 feet in length, and determined to have 4 feet of gravel beneath the distribution pipe that discharges at a depth of 4 feet from the soil surface. It is assumed to have a 'T' connection with the septic tank effluent pipe. The septic tank lid is at a depth of 3.5 feet and has a concrete riser with cover under about 6 inches of soil (marked by a weathered 3" X 3" wood post). The septic tank volume needs to be confirmed (whether 1250 or 1500 gallons), a task which may most easily be accomplished by pumping its contents.

On proposed Lot 1, the existing well serving the existing residence was not observed. The well must be located, and (probably) uncovered. An Environmental Sanitarian must observe the well and describe its condition. To meet current code requirements, the well casing must extend to a height of 8 inches or more above the ground and a pitless adapter fitted to the casing must be at a depth of 36 inches or more

beneath the soil surface. The well pump will be suspended inside the well. If a well upgrade is necessary, it must be completed and approved prior to submittal of the Record Plat which finalizes a proposed subdivision.

If you have any questions regarding the content of this report, please contact me at the above address or by calling (410) 313-2691.

Respectfully,

A handwritten signature in black ink, appearing to read "Robert Bricker", written over the printed name.

Robert Bricker, RS, CPSS

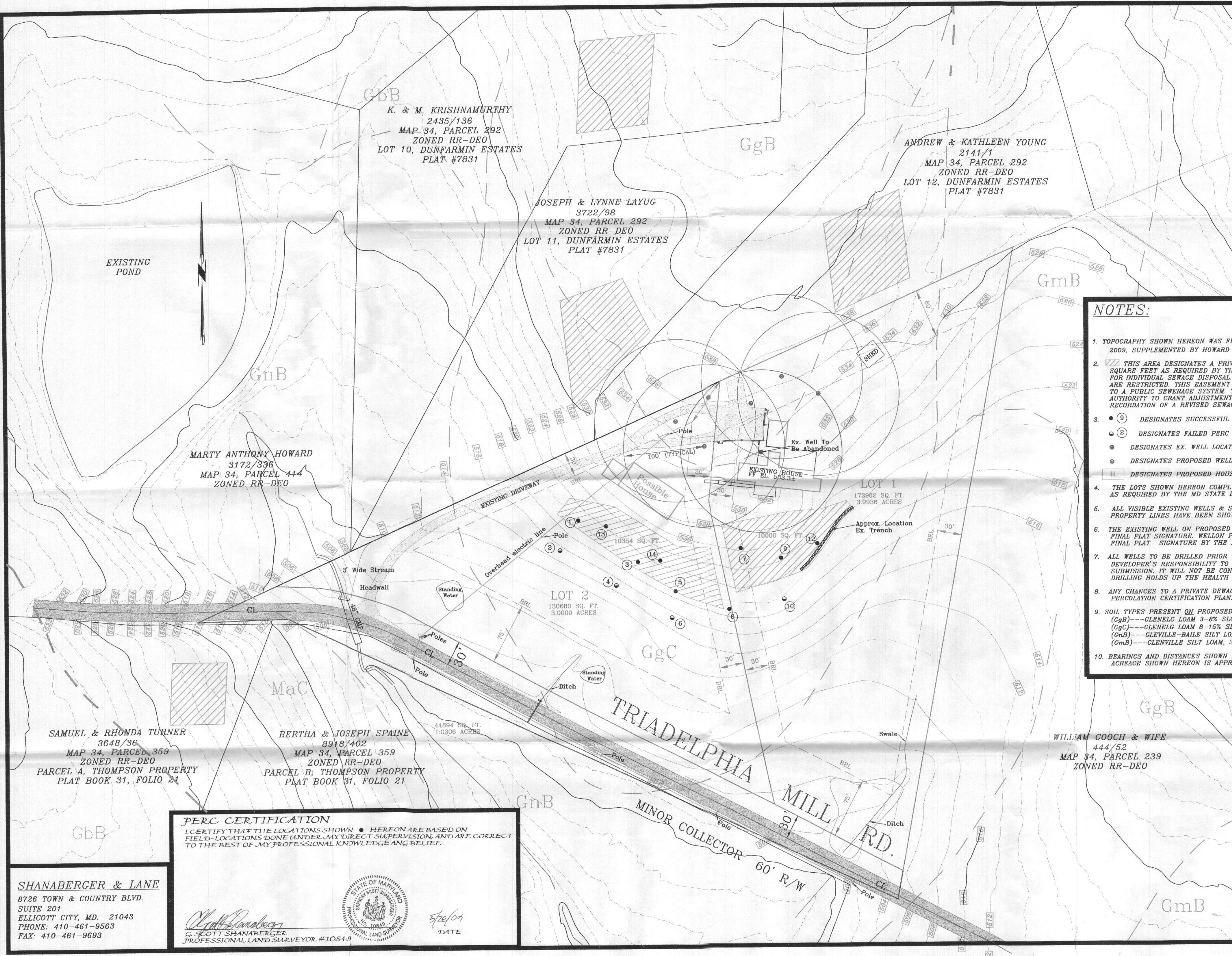
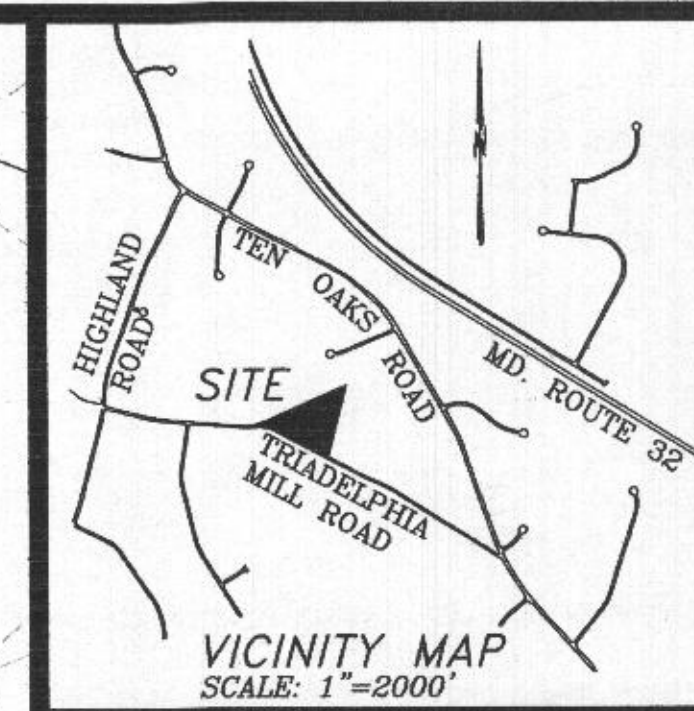
Well and Septic Program

Development Coordination Section

Enclosures: Field Worksheets

Copy: Roberto Sanchez and Nadu Tuakli  
file





**NOTES:**

1. TOPOGRAPHY SHOWN HEREON WAS FIELD-RUN BY SHANABERGER & LANE IN MARCH, 2009, SUPPLEMENTED BY HOWARD CO. AERIAL TOPOGRAPHY.
2. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET 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 & 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.
3. DESIGNATES SUCCESSFUL PERC TEST DUG 4/9/2009  
 DESIGNATES FAILED PERC TEST DUG 4/9/2009  
 DESIGNATES EX. WELL LOCATION  
 DESIGNATES PROPOSED WELL LOCATION  
 DESIGNATES PROPOSED HOUSE LOCATION
4. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP AND LOT AREA AS REQUIRED BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT.
5. ALL VISIBLE EXISTING WELLS & SEPTIC AREAS WITHIN 100' OF THE PROPERTY LINES HAVE BEEN SHOWN.
6. THE EXISTING WELL ON PROPOSED LOT 1 WILL BE SEALED AND REPLACED PRIOR TO FINAL PLAT SIGNATURE. WELL ON PROPOSED LOT 2 WILL BE DRILLED PRIOR TO FINAL PLAT SIGNATURE BY THE HEALTH DEPT.
7. ALL WELLS TO BE DRILLED PRIOR TO FINAL PLAT APPROVAL. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED GOVERNMENT DELAY IF THE WELL DRILLING HOLDS UP THE HEALTH DEPARTMENT SIGNATURE OF THE PLAT.
8. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
9. SOIL TYPES PRESENT ON PROPOSED LOTS:  
(GgB)---CLENELC LOAM 3-8% SLOPES  
(GgC)---CLENELC LOAM 8-15% SLOPES  
(GmB)---CLENVILLE-BAILE SILT LOAM 0-8% SLOPES  
(MaC)---CLENVILLE SILT LOAM, 3-8% SLOPES
10. BEARINGS AND DISTANCES SHOWN HEREON ARE FROM CURRENT TITLE DEED. ACREAGE SHOWN HEREON IS APPROXIMATE.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT

*William Cooch* 4/22/09  
COUNTY HEALTH OFFICER  
DATE

*PC Superseded*  
June 24, 2011

**PERC CERTIFICATION**

I CERTIFY THAT THE LOCATIONS SHOWN HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

*Scott Shanaberger*  
G. SCOTT SHANABERGER  
PROFESSIONAL LAND SURVEYOR #10849



*5/26/09*  
DATE

**SHANABERGER & LANE**  
8726 TOWN & COUNTRY BLVD.  
SUITE 201  
ELLCOTT CITY, MD. 21043  
PHONE: 410-461-9563  
FAX: 410-461-9693

PERC CERTIFICATION PLAT  
LOTS 1 & 2  
PROPERTY OF  
DR. NADU A. TUAKLI  
REVOCABLE TRUST  
5TH ELECTION DISTRICT, HOWARD COUNTY, MD  
TAX MAP 34, GRID 3, PARCEL 8  
ZONED RR-DEO  
SCALE: 1"=50' DATE: 4/30/2009  
REV. 5/26/2009