

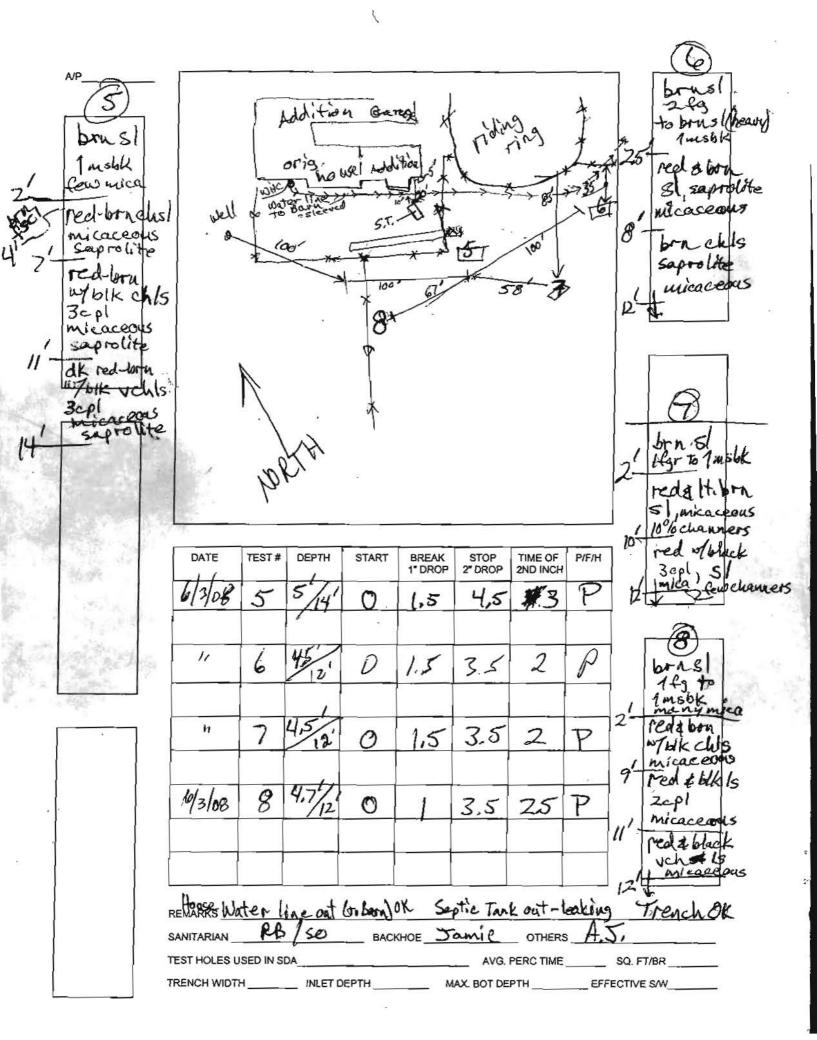
APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

| TEST DATE(S) | TEST TIME | Ap 528524 |
|--|---|---|
| AGENCY REVIEW: | | DATE 3/5/08 |
| | | *************************************** |
| D N | OT WRITE ABOVE THIS LINE | *************************************** |
| HEREBY APPLY FOR THE NECESSARY TESTING/EVAL CHECK AS NEEDED: CONSTRUCT NEW SEPTIC SYSTEM(S) REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM REPLACE AN EXISTING SEPTIC SYSTEM | CHECK AS NEEDED: UNEW STRUCTURE EM SA ADDITION TO AN E | • |
| CHECK ONE: OF CREATE NEW LOT(S) DEBUILD ON AN EXISTING LOT IN A SUBDIVISION DEBUILD ON AN EXISTING PARCEL OF RECORD | ON SAL NO | HIN 2500' OF ANY RESERVOIR? |
| CI COMMERCIAL (PROVIDE DETAIL | ED BEDROOMS IN THE COMPLETED STRUCTURE L OF NUMBERS AND TYPES OF EMPLOYEES/ CU DETAIL OF NUMBERS AND TYPES OF EMPLOYE | STOMERS ON ACCOMPANYING PLAN |
| property owner(s) <u>Francisco aa</u> | d Nadia Ward | ************************************** |
| DAYTIME PHONE <u>301-776-8214</u> | сец <u>443-858-3762</u> | FAX |
| MAILING ADDRESS <u>\$214 Reservoir R</u> | d Fulton, | <u>MD 20759</u> STATE ZIP |
| APPLICANT Richard Mont | • | V I T T Tan Sent |
| DAYTIME PHONE 410-491-4124 | CELL 410-491-4124 | FAX |
| MAILING ADDRESS 531 Morphy | | ings OV 3541/ |
| APPLICANT'S ROLE: DEVELOPER BUILDE | ER BUYER RELATIVE/FRIEND | REALTOR CONSULTANT |
| PROPERTY LOCATION SUBDIVISION/PROPERTY NAME <u>7214</u> | Reservoir RD | LOT NO. |
| PROPERTY ADDRESS 8214 Ros | TOWN/PO | PST OFFICE |
| TAX MAP PAGE(S) <u>45</u> GRID 6 | PARCEL(S) 44 PR | OPOSED LOT SIZE 5.94 A |
| AS APPLICANT, I UNDERSTAND THE FOLLOWING: | THE SYSTEM INSTALLED SUBSEQUENT T | O THIS APPLICATION IS ACCEPT- |
| ABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILAB | BLE. THIS APPLICATION IS COMPLETE WH | IEN ALL APPLICABLE FEES AND A |
| SUITABLE SITE PLAN HAVE BEEN RECEIVED. TA | CCEPT THE RESPONSIBILITY FOR COMPLI | ANCE WITH ALL M.O.S.H.A. AND |
| MISS UTILITY REQUIREMENTS. APPROVAL IS B | | 1 |
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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

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Bureau of Environmental Health 7178 Columbia Gateway Drive, Columbia, MD 21046-2147 (410) 313-2640 Fax (410) 313-2548 TDD (410) 313-2323 Tull Free 1-866-313-6300

website: www.hchealth.org

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

June 13, 2008

Francisco and Nadia Ward 8214 Reservoir Road Fulton, MD 20759

RE: PERCOLATION TEST RESULTS, 8241 Reservoir Road, A-528524

Dear Mr. & Mrs. Ward,

Percolation testing was conducted on the referenced property on June 3, 2008. The tests were conducted in response to a Notice-of-Violation (NOV).

[Briefly, the NOV was issued because of the non-permitted installations of a water line to the barn and a wastewater disposal system at the barn. The Health Department issues installation permits based on the approved Percolation Certification Plan for the property which itself is justified by satisfactory results of percolation tests observed by the Health Department's Environmental Sanitarian. Such a plan does not exist for the subject property, and there is no record of the required percolation tests. Therefore, if you had properly applied for an installation permit, the Health Department would have required percolation testing and approval of the certification plan before issuing the requested permit.]

A septic easement must be identified and platted for each use on each property. Percolation tests were conducted for 2 easements on the subject property, one for the residence and one for the barn wherein you wish to place a toilet. Field data collected are shown on the 2 Percolation Test Worksheets enclosed with this letter. Values for Recommended Inlet and Trench Bottom depths, and Usable Sidewall are all based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. The values for the listed parameters will be interpreted and maintained in Health Department records for the subject property.

Percolation Test Results indicate satisfactory soils' conditions in both of the areas tested. Percolation test locations 1, 2, 3 and 4 represent the septic easement characteristics for the toilet at the barn and test locations 5, 6, 7 and 8 represent the soils characteristics for the septic easement at the residence. Generally, the subsoils are micaceous schists with moderately rapid-to-rapid rates of permeability.

This report concerns primarily the percolation testing and results, and is referenced to requirement of the Notice-of-Violation letter issued to you on April 29, 2008. The issue of this non-permitted septic installation will be resolved when you either (1) have an approved (by the Howard County Health Officer) Percolation Certification Plan, or (2) removed the plumbing fixtures from the barn as well as removed the tank, and disconnected the water line leading to the barn.

The existing septic system for your residence was observed on June 3. The gravel in the trench is dry and clean, and there is sufficient depth of suitable soil materials in a soil profile described nearby, all indicating that the existing trench is of proper design and is likely functional. Between the outlet of the septic tank and the location of the trench, there is evidence of sewage discharge reaching the soil surface. This is a nuisance condition, a violation of Howard County Code 12.110. As of today (June 13) there is no indication in Health Department records that you have attempted to repair the failing septic system component.

The plastic tank that was installed at the barn, as part of the intended (non-permitted) wastewater disposal system, is a type of tank that is not allowed to be used as a septic tank. The tank already contains a small volume of solution. The plastic tank is to be removed and properly disposed of, and the 10-foot section of plastic pipe currently attached to the tank's outlet is to be removed as well.

If you have any questions regarding this 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, R.S., CPSS Well and Septic Program Development Coordination Section

Enclosures (2)

Copy: Pile

NOTES

- 1. ALL EXISTING WELLS ON THE SUBJECT PROPERTY AND WITHIN 100 FEET OF SUBJECT PROPERTY BOUNDARIES ARE REPRESENTED TO THE BEST OF MY KNOWLEDGE AND BELIEF.
- 2. TOPOGRAPHY ON THIS PLAT IS FROM HOWARD COUNTY GIS (2006) AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE ELEVATION CHANGES ON AND NEAR THE SUBJECT PROPERTY.
- LOCATION OF AUXILLARY STRUCTURES ON THIS PLAN IS CONFIRMED BY AERIAL PHOTOGRAPH DATA IN HOWARD COUNTY GIS (2006). LOCATIONS OF PERCOLATION TESTS ARE REFERENCED TO THE WELL, EXISTING FENCES, RESIDENCE AND BARN.
- 4. THE WELL LOCATION RELATIVE TO THE RESIDENCE AND THE EXISTING DISTRIBUTION TRENCH IS CONFIRMED BY MEASUREMENT.
- 5. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

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- 7. This area designates a private sewage easement of at least 10,000 sq. ft. as required by the Maryland Department of the Environment for individual sewage disposal. Improvements of any nature in this easement 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.
- 8. THESE SHALL REMAIN: ALL EXISTING STRUCTURES, POOL, FENCES, WELL AND SEPTIC SYSTEM.
- 9. THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN IS TO ESTABLISH A SEPTIC EASEMENT FOR EACH USE ON THE SUBJECT PROPERTY, I.E. THE RESIDENCE AND THE TOILET AT THE BARN.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON WORK PERFORMED IN MY PRESENCE OR BY MY DIRECTION, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELLEF

Wadia C Ware

3/20/09

(SIGNATURE)

(DATE)

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

BNifon pr Peter Brile

4/6/2005

(SIGNATURE)

ref

(DATE)

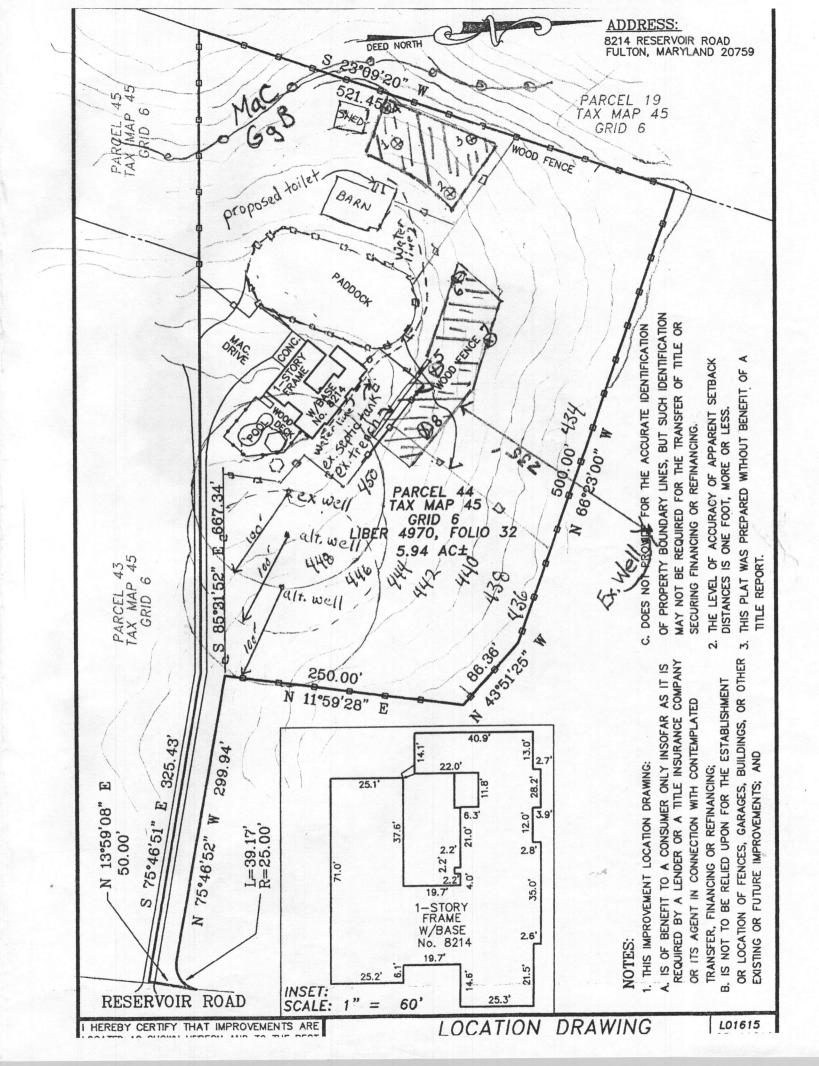
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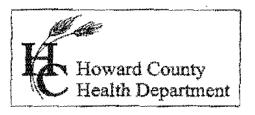
OWNER/DEVELOPER:

FRANCISCO AND NADIA WARD

8214 RESERVOIR ROAD FULTON, MD 20759

PC 528524





Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
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website: www.hchealth.org

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

February 18, 2009

Francisco and Nadia Ward 8214 Reservoir Road Fulton, Maryland 20759

RE: Variance request 8214 Reservoir Road Fulton, Maryland 20759

Dear Mr. and Mrs. Ward,

The Health Department has considered your variance request of January 27, 2009, for the above referenced (re: subject) property. The Maryland Department of the Environment (MDE) has accepted our recommendation to approve the variance request. This approval will allow the existing sewage disposal system and future repair area for the subject property to be located upgradient from a private water supply located on the adjoining property to the north-northest and at a distance greater than 200 feet.

Consideration of the favorable soil conditions and percolation tests, assumed groundwater flow patterns, landscape position, and type of well construction, were some of the factors used in making our recommendation for approval. In addition, a preliminary nitrogen balance calculation indicated favorable results. This determination indicates that the need for an advanced pretreatment system that reduces nitrogen using best available technology (BAT) is not required, though implementation of one of these technologies on your existing system is encouraged. These pretreatment systems may be funded by application to the Bay Restoration Fund which is administered by the Maryland Department of the Environment (MDE).

The Bay Restoration Fund (BRF) may provide grant money to cover the complete cost of a nitrogen reducing aerobic pretreatment system. These systems are not only a good investment in the life of a septic system, but they help to purify the septic effluent prior to groundwater recharge, and to a much greater extent than a conventional septic tank system.

If you are interested in retrofitting a pretreatment component to your existing system, you may contact John Boris at MDE for additional information. He can be reached at (410) 537-3678. If you have any questions regarding this letter, you may contact me at the above address or by calling (410) 313-1771.

Sincerely.

Robert Bricker, R.S. Well and Septic Program

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Maryland Department of the Environment

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| 7. | THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY |
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| | THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. |
| | IMPROVEMENTS OF ANY NATURE IN THIS EASEMENT 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

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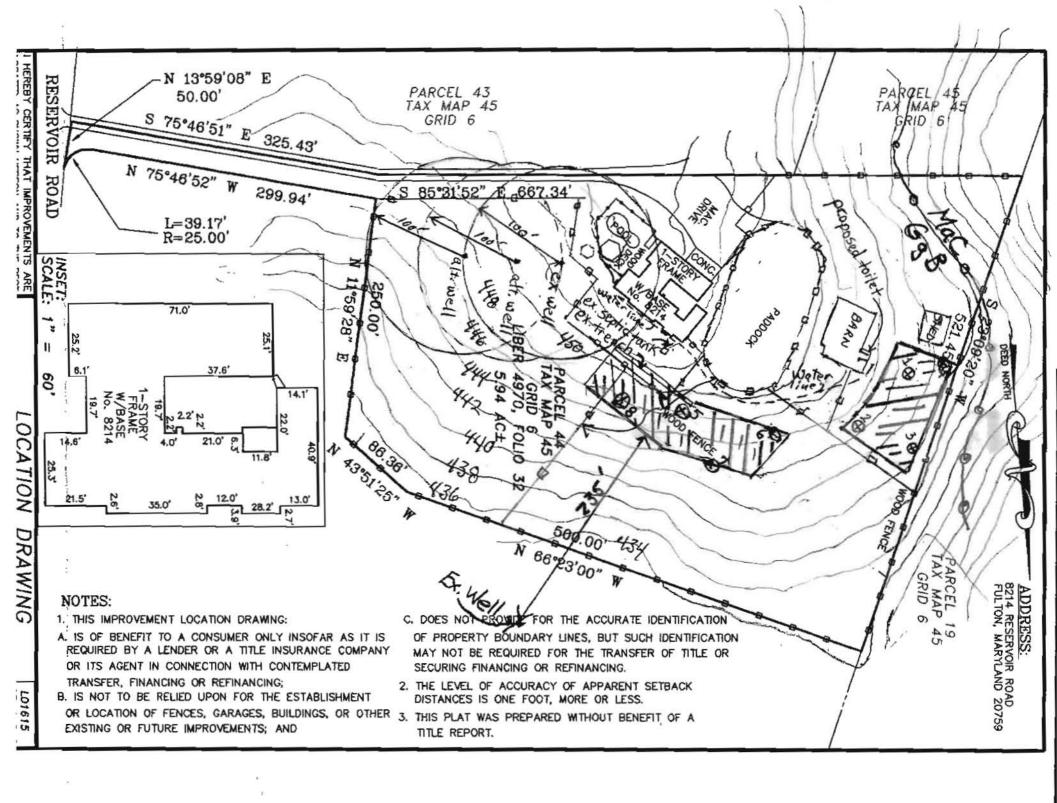
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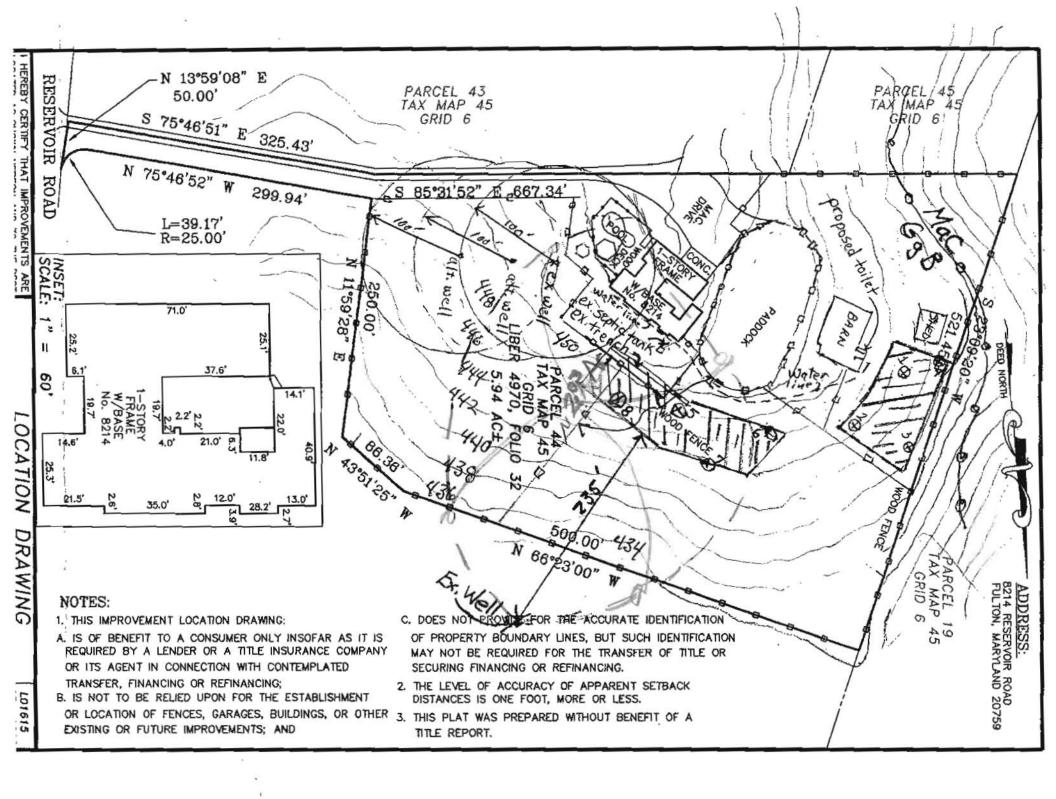
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| APPROVED FOR PRIVATE WATER AND | PRIVATE SEWERAGE SYSTEMS. | | | | | | |
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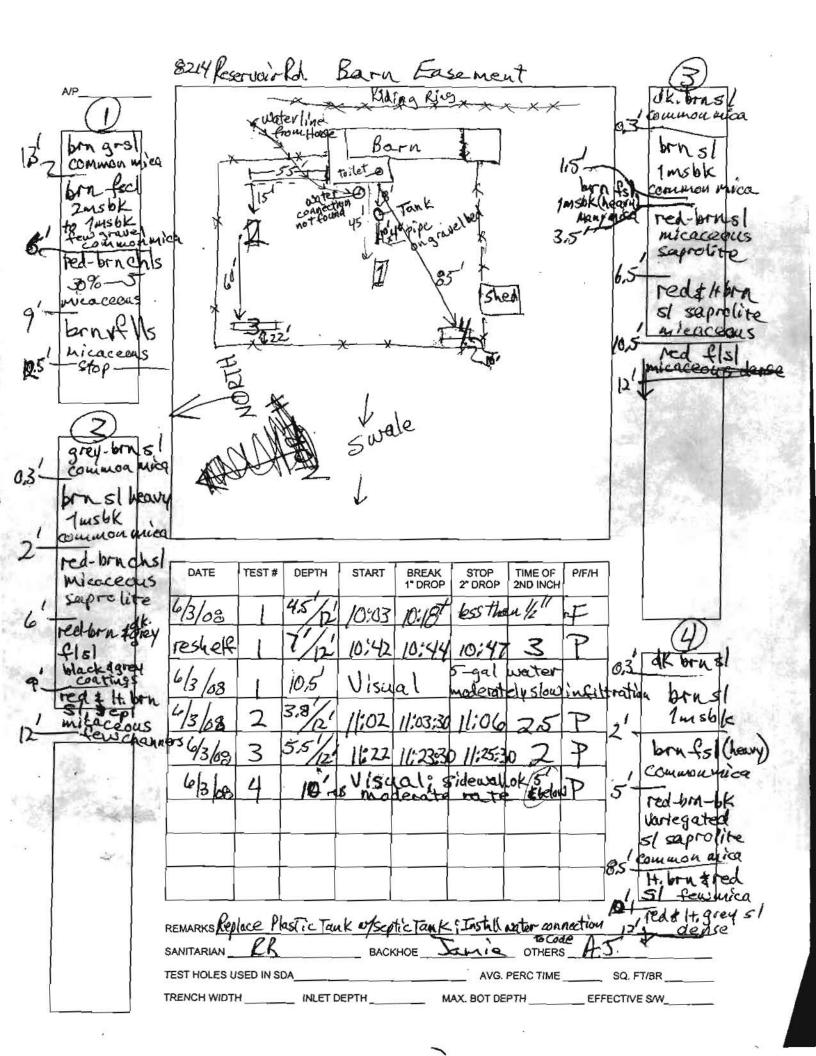
TITLE: PERCOLATION CERTIFICATION PLAN, 8214 RESERVOIR ROAD

OWNER/DEVELOPER: FRANCISCO AND NADIA WARD

8214 RESERVOIR ROAD FULTON, MD 20759







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Wadia C. Ware

3/20/09

(SIGNATURE)

(DATE)

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

BNifan for Peter Brilenser

4/6/2009

(SIGNATURE)

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E) Pgc

TITLE: PERCOLATION CERTIFICATION PLAN, 8214 RESERVOIR ROAD

OWNER/DEVELOPER:

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FULTON, MD 20759

PC 528524

