

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

A/P 525609

AGENCY REVIEW: _____

DATE 10/24/06

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 3 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) Dennis & Patricia Dishman

DAYTIME PHONE 301 854 6254 CELL _____ FAX _____

MAILING ADDRESS 16460 Ed Warfield Rd Woodbine Md 21797
STREET CITY/TOWN STATE ZIP

APPLICANT Hotfields Equipment

DAYTIME PHONE 301 854 6172 CELL 410 484 0101 FAX 301 490 5794

MAILING ADDRESS P.O. Box 519 Annapolis Junction Md 20701
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME 16460 Ed Warfield Rd LOT NO. _____

PROPERTY ADDRESS 16460 Ed Warfield Rd Woodbine Md 21797
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE 2.5 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.

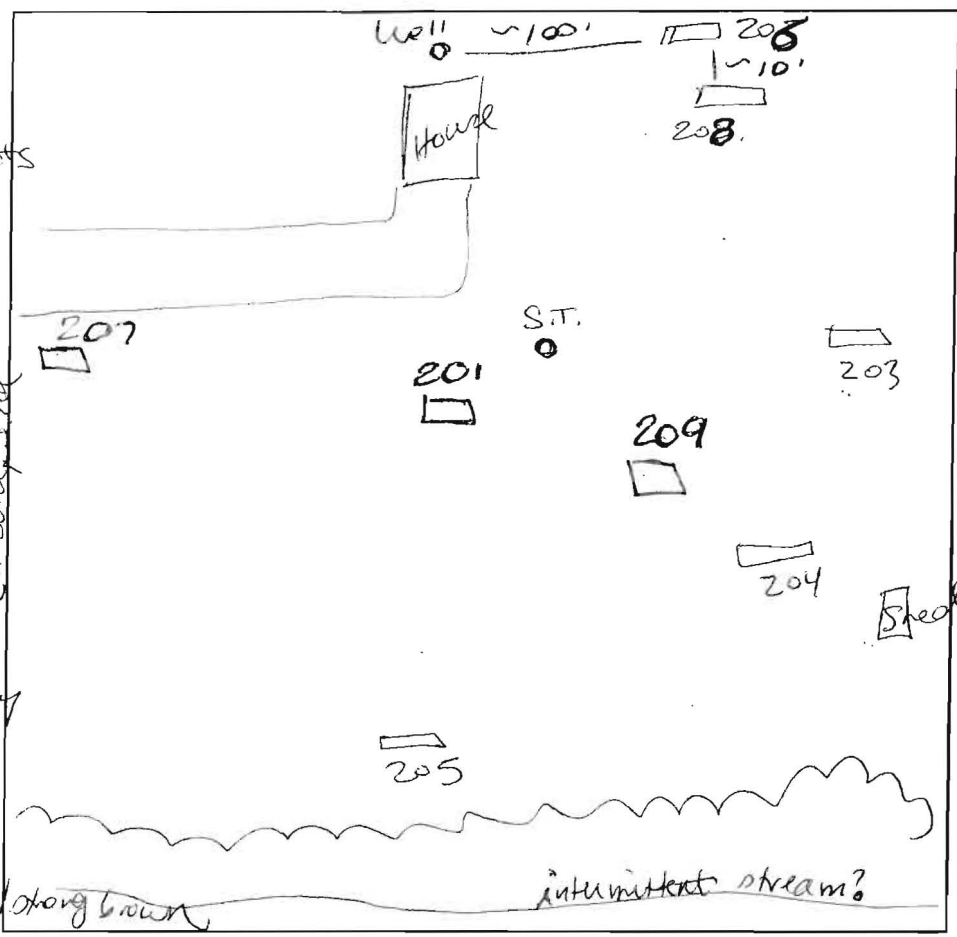
[Signature]
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP 525609
201

1' Brn L shale ch.
RDBm
FSC
75-80%
Shale ch.
3' RDBm
FSL
4' HB

Roots TO 4'
Ed. way in soil



205
1' dark brown gray
Strong brown fine s&cl s&cl
2' orange (1) mottled
2'8" blueish gray w/ (3) mottled
fine heavy s&cl
miscellaneous
30-35% cobbles
2'45" water
5' HB

204
1' dark brown & s&cl
Stoniness
2' heavy s&cl
Strong brown
S&cl m
Stoniness
4' Ho level
heavy s&cl
d(2) mottled
40% channery
fleshy
HB

203
7" dark gray
Strong brown
fine s&cl
+ 50% channery
s&cl
Stoniness
4' ~~strong brown~~
karst
4'5" brown heavy s&cl
Stoniness
75% channery
fleshy
6' HB
207
8" Brn L
granular
RDBm
SCL
40% shale ch.
6' RDBm
FSL
70% shale ch.
11' HB

206/208
1.5' RDBm
FSC
40% shale ch.
RDBm L
75% shale ch.
8' HB

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H	
2/28/07	208	2'2"	12:30				slow melt filling hole faster than its draining - pulled	
	209	4'	1:02	1:35		* 60		
			→ Tested directly next to existing trench. >50% shale ch. in hole. Hole was dug to find trench then tested to validate ex. system.					

* Snow melting began filling hole. Estimated Time

REMARKS _____
 SANITARIAN CF/SF BACKHOE Hartfield (Denny) OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

a pre-treatment/nitrogen Reduction system must be installed

16460 Ed Warfield Rd

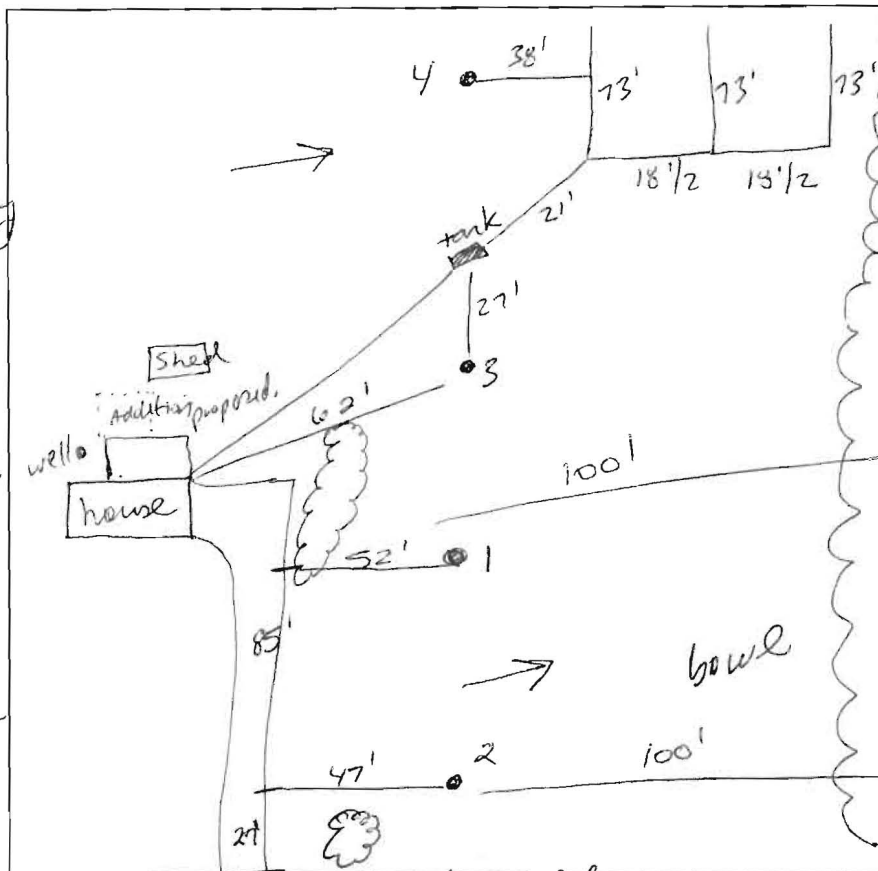
4

A/P

1
brown
channing
& gravelly
dark brown
cl
gravelly
15"
chromolitic
mettles

2
dark brown
gravelly
&
reddish
brown
gravelly
cl

3
dark brown
gravel
&
reddish
brown
cl
gravelly



4
dark brown
&
6"

Ed Warfield Rd

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/16/06	1	1'		Auger			
	2	2'		Auger			
	3	2'		Auger			
	4	6"		Auger			

REMARKS Need perc testing
 SANITARIAN SP/RB/AT BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

6"
2'
6"
2'



Howard County
Health Department

Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-899-313-6300
website: www.hchealth.org

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

March 7, 2007

Dennis and Patricia Dishman
16460 Ed Warfield Road
Woodbine, Maryland 21797

Revised
letter sent
4/10/07

RE: PERCOLATION TEST RESULTS, A-525609
For Building Permit B06005379

Dear Mr. and Mrs. Dishman,

Percolation testing conducted on February 28, 2007 for the above referenced property indicated unsatisfactory soil conditions. Copies of the test results are enclosed. As stated in the Code of Maryland Regulations (COMAR 26.04.02.05), in order for a conventional on-site sewage disposal system to be approved by the Health Department there must be a 4 foot treatment zone below the sewage disposal system. The treatment zone must consist of unsaturated and unconsolidated materials which can adequately treat waste water. A 4 foot treatment zone meeting these standards was not located in any test hole as result of high water tables and rock contents of 50 percent or greater. In addition, it is required by the Code of Maryland Regulation (COMAR 26.04.02.05) that a percolation rate shall be between 2-30 minutes per inch. Percolation testing conducted indicated test rates which exceeded 30 minutes per inch. Collectively, these factors do not allow for waste water to be adequately treated thru a conventional on-site sewage disposal system for this property.

In order to resolve this issue the following requirements will be necessary:

1. A Percolation Certification Plan will need to be submitted to the Health Department for further review and approval. The plan must be made by a professional engineer licensed in the State of Maryland. I have enclosed paperwork which states the requirements for the Percolation Certification Plan.
2. A pretreatment/nitrogen reduction system will need to be added to the existing septic system. The proposal for this system should be represented on the Percolation Certification Plan.
3. An agreement for the installation of an innovative and alternative on-site sewage disposal system will need to be developed when a site plan is approved. This agreement will state that the existing house must remain 2 bedroom house until public sewer is available.
4. The existing house must remain 2 bedroom house. In order to build an addition consisting of a bedroom it will be necessary to submit floor plans of existing house and of adjustments made to change the use of an existing bedroom. A room that is not a bedroom must comply with current definitions stated in the Howard County Code (Section 3.801)
5. The existing system must be located and represented on the Percolation Certification Plan.
6. All of the above listed requirements must be met prior to building permit approval.

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-1775.

Respectfully,





Ashley Trump
Well and Septic Program
Development Coordination Section

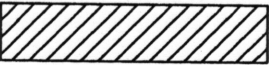
Enclosures
CC: File

NOTES

LEGEND

1. SITE ADDRESS: 16460 ED WARFIELD ROAD
2. EXISTING ZONING IS RC-DEO.
3. BOUNDARY LINES SHOWN HEREON ARE BASED ON BOUNDARY EVIDENCE AND DEED PLOTS, PERFORMED BY MARKS & ASSOC. LLC ON NOVEMBER ,2006.
4. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
5. AREA OF PROPOSED SEPTIC EASEMENT 10,280 SQUARE FEET, AS SHOWN

-  PERC TEST HOLE
-  INDIVIDUAL TREE
-  PROPOSED ADDITION
-  EXISTING WELL

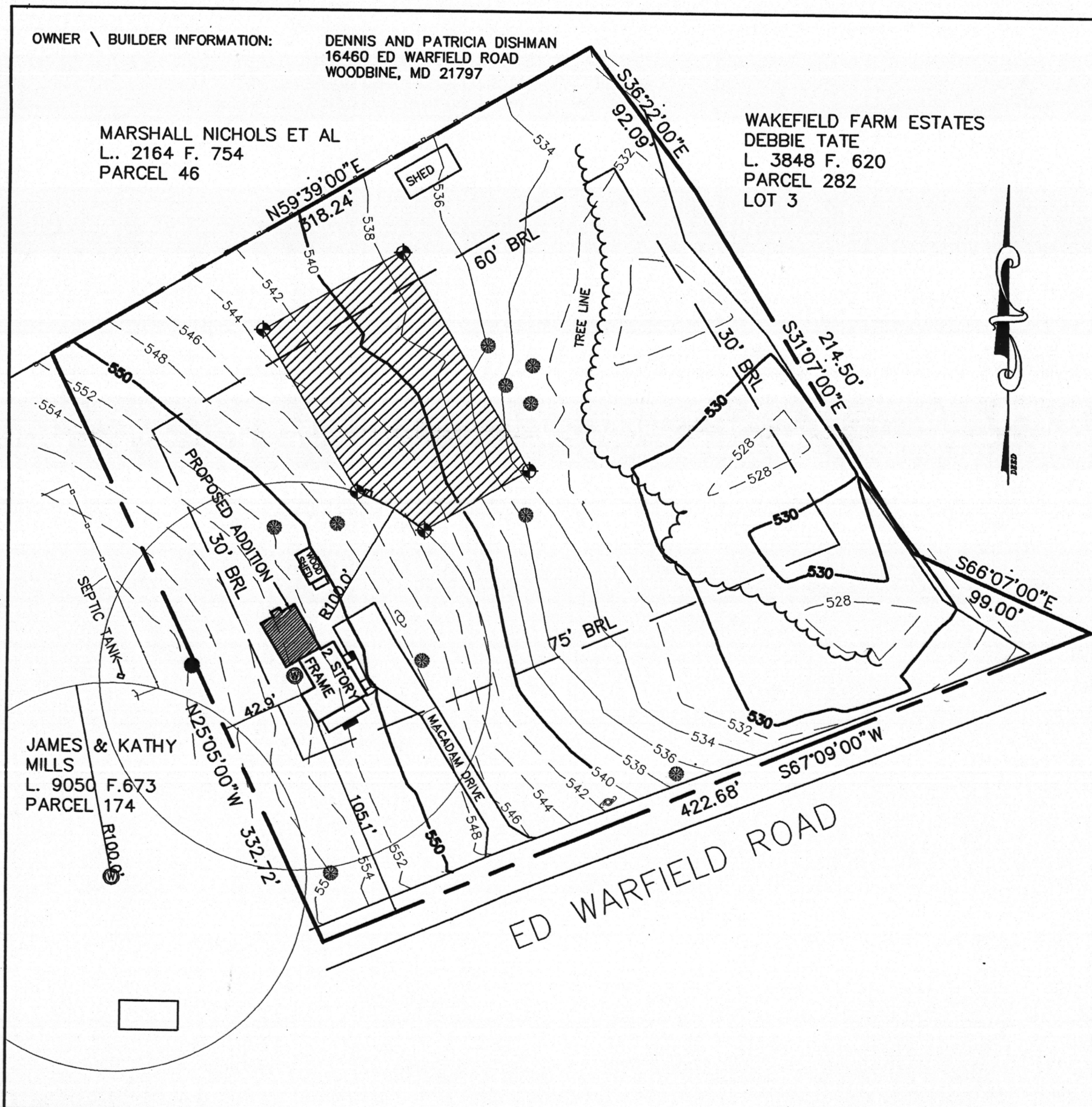
6.  THIS AREA DESIGNATES A MINIMUM 10,000 SQUARE FOOT PRIVATE SEWAGE EASEMENT REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL, IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BE NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
7. TOPOGRAPHY SHOWN HEREON IS FIELD RUN AND VERIFIED BY MARKS & ASSOCIATES ON DECEMBER 11, 2006.
8. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL SEPTIC SYSTEMS, WELLS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF BOUNDARY LINES HAVE BEEN LOCATED.

OWNER \ BUILDER INFORMATION:

DENNIS AND PATRICIA DISHMAN
16460 ED WARFIELD ROAD
WOODBINE, MD 21797

MARSHALL NICHOLS ET AL
L. 2164 F. 754
PARCEL 46

WAKEFIELD FARM ESTATES
DEBBIE TATE
L. 3848 F. 620
PARCEL 282
LOT 3



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

HEALTH OFFICER _____ DATE _____

MARKS & ASSOCIATES L.L.C.


SURVEYING-ENGINEERING-LAND PLANNING
4531 COLLEGE AVENUE ELLICOTT CITY, MARYLAND
TELEPHONE (410)747-8738 FAX (410)747-8547

PERCOLATION TEST PLAT

16460 ED WARFIELD ROAD
TAX MAP #13 PARCEL 126
SCALE: 1" = 60'
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DATE: 02/02/2007

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.



ERIK C. MARKS R.P.L.S. NO. 607

3/6/07

Prof. Emory Livornese in State of MD

- ① Pure Cont. Ltr.
- ② Add Pretreatment Nitrogen Reduction → 4 ft buffer slowly permeable soils
- ③ Locate ex. system
- ④ No increase in # of biosolids
- ⑤ House floor plan existing and proposed
- ⑥ I + A agreement will be developed when site plan is approved
- ⑦ System must be installed prior to BQ. approval.

R.L. COMAR

10-20-06

Hatfields Equipment
SAND MOUND CONTRACTOR
~~13785 BURNWOODS ROAD~~
~~CLEVELAND, OHIO 21137~~
~~410 531 6773~~ FAX 301 490 5794

DEANIS & Patricia DISHMAN
16460 EDWARFIELD ROAD
WOODBINE, MD. 21797-7806
301 854 6254

~~16460 EDWARFIELD RD~~ 16460 EDWARFIELD RD

DEAR MR Hatfield,

PER OUR CONVERSATION BY PHONE TODAY I AM FAXING
THE INFORMATION YOU NEED TO APPLY FOR A PERMIT
TO HOWARD COUNTY CONCERNING OUR SEPTIC SYSTEM.
WE LOOK FORWARD TO DOING BUSINESS WITH YOUR COMPANY.
PLEASE CALL ME IF I DID NOT INCLUDE ALL THAT YOU REQUIRE.

Thank you so much,
Patricia Dishman