

Howard County
Health Department

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST TIME _____ A/P _____
EW: _____ DATE _____

DO NOT WRITE ABOVE THIS LINE

TYPE OF SEWAGE DISPOSAL SYSTEM NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- PAIR/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

TYPE OF LOT:

- 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

TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 5 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) I Ra Dudy
 HOME PHONE 410-977-0864 CELL 410-977-0864 FAX 410-531-8860
 MAILING ADDRESS 14808 Michele Drive Glady MD 21737
 STREET CITY/TOWN STATE ZIP


APPLICANT Gary Phillips
 HOME PHONE 410-977-0864 CELL 410-977-0864 FAX 410-531-8860
 MAILING ADDRESS 14059 Highway road Clarksville MD 21024
 STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
 SUBDIVISION/PROPERTY NAME The War fields LOT NO. 42
 PROPERTY ADDRESS 14808 Michele Drive
 STREET TOWN/POST OFFICE

MAP PAGE(S) 27 GRID S PARCEL(S) 56/114 PROPOSED LOT SIZE 3.163

I, THE APPLICANT, 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 DETAILED SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "PUBLIC UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN. TEST RESULTS WILL BE MAILED TO APPLICANT.

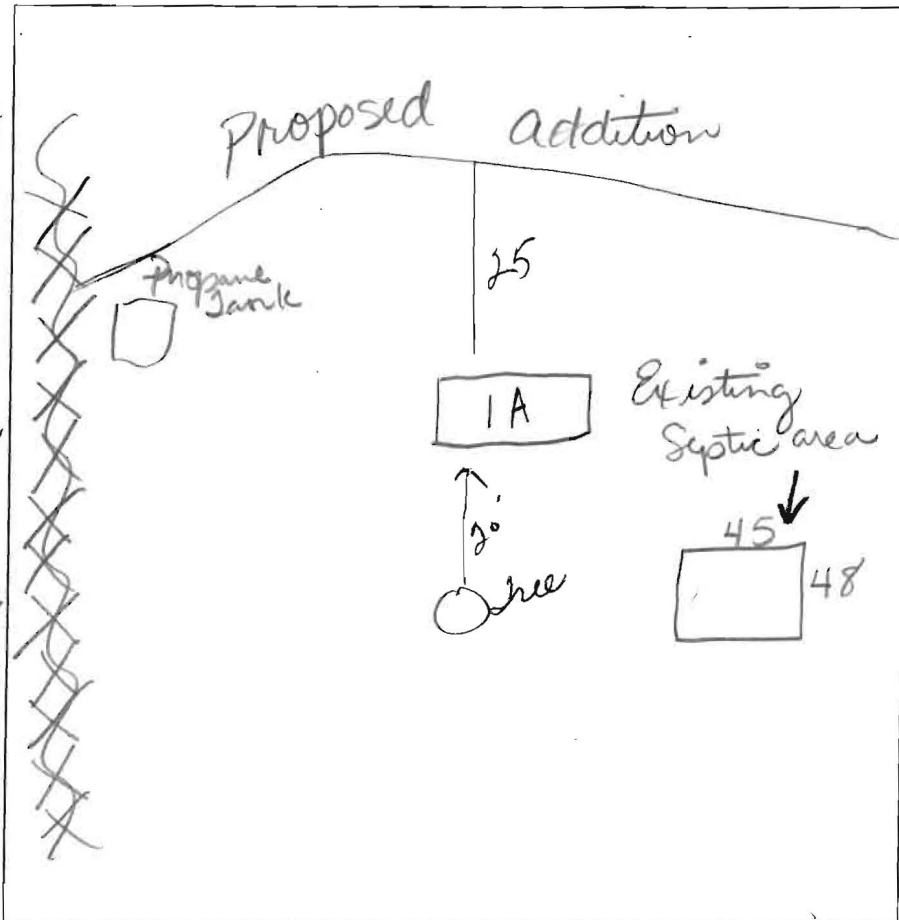

SIGNATURE OF APPLICANT

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

AVP _____

#1A

#1
 2SBK Brn Sh 0.8
 Rd Brown Yellow
 20% 30% Boulders
 Sch 6'
 Rd Ch Grey
 60% Rk 8'
 Refusal
 Ca 8'



Brn 2SBK med med 0.6
 Rd Brn Sch
 Heavy med med
 Yellow Brn fine sh 4'
 10% Sm Stones
 much mica
 ↓

#2
 2SBK Brn Sch
 Red Brn Sch med
 5-10% Rk
 Lead, Yellow fine sh
 5% Rk
 ↓
 Yellow Rd fine sh
 10'
 12'

4
 Brn Sh 2SBK 0.8
 Rd Brn Sch med med 3'
 Yellow Brn
 much mica
 Sh
 ↓
 Rd Brn Sh Large 20-30% Boulders 9'
 10'

#3
 Rd Brown Sh vein
 10'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11-3	1	8	Refusal @ 8'				F
11-3	2	4/12	10:13	10:25	10:35	10	P
11-3	3	4/10	11:40	11:48	11:57	9	P
11-3	1A	4/11'	10:57	11:00	11:05	5	P
11-3	4A	4/10	11:30	11:31	11:32	1m	F
11-3	4	3/10	11:35	11:37	11:39	2m	P

4A
 on Exposure Area
 10'

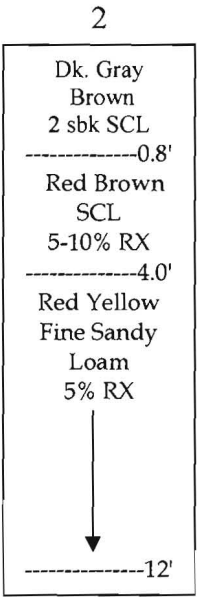
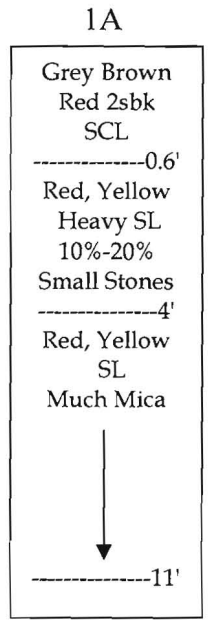
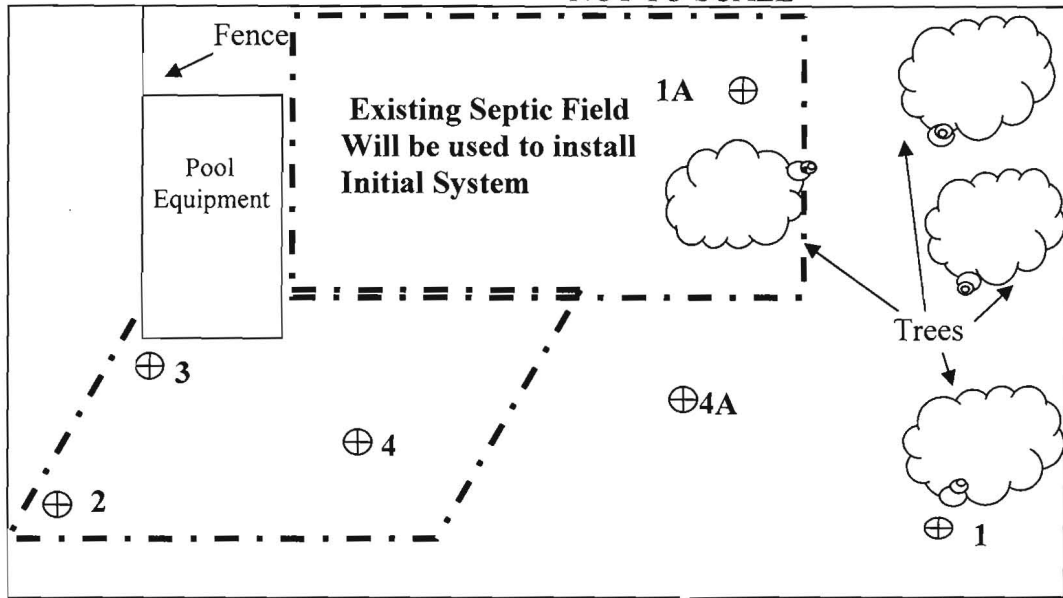
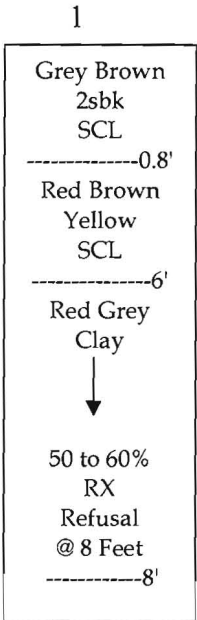
REMARKS Propane Tank Must be Removed from Current SDA

SANITARIAN DB BACKHOE _____ OTHERS _____

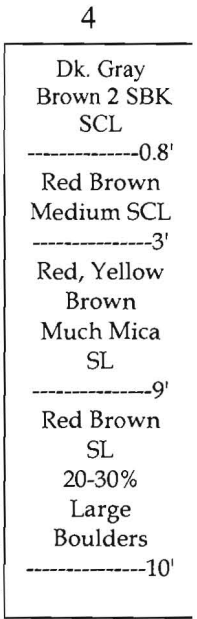
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

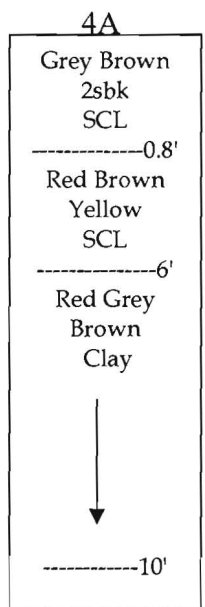
NOT TO SCALE

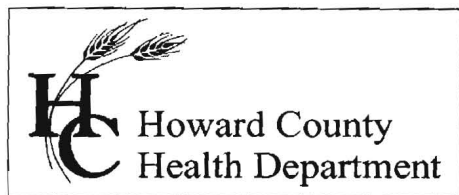


Date	Test #	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 nd Inch	P/F/H
11-3-09	1	8'	Refusal	At	8 Feet	→	F
11-3-09	1A	4'/11'	10:57	11:00	11:05	5 min.	Pass
11-3-09	2	4'/12'	10:13	10:25	10:35	10 min.	Pass
11-3-09	3	4'/10'	11:40	11:48	11:57	9 min.	Pass
11-3-09	4	3'/10'	11:35	11:37	11:39	2 min.	Pass
11-3-09	4A	4'/10'	11:30	11:31	11:32	1 min.	Fail



Remarks: Inlet @ 4 feet and existing system must be abandoned.
 Upgrading to a 2000 gallon tank .
 Sanitarian DB Backhoe: Others
 Test Holes Used in SDA 4 Avg. Perc Time 8 min. SQ.FT/BR 150 x 6
 Trench Width 3 Inlet Depth *4 Max Bot.Depth 6 Effective S/W 2
 *Information regarding septic specs are for initial system only





Bureau of Environmental Health
7178 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

November 20, 2009

RE: **Percolation Test Results**

Purpose: To Establish Septic Reserved Area for Proposed Building Permit

Property ID: 14808 Michele Drive

Glenelg, Maryland 21737

Tax Map: 27 Parcel: 56 Lot #42

Dear Mr. Ira Dubey:

Percolation testing was recently conducted on October 3, 2009 on the above referenced property, in an effort to establish sufficient septic reserve areas to support an addition for the existing lot.

Results for the lot did indicated satisfactory soil conditions for onsite wastewater disposal and adequate septic reserve area to support the proposed number of bedrooms for a single family dwelling. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

A total of 6 test holes were dug in the proposed 10,000 sq.ft. Septic reserve area and the results were successful. A new reserve area with 2 repairs was established on the lot. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation. Also, the following must occur before building permit approval for the addition:

- The existing propane tank must be moved to accommodate the new addition.
- The existing septic tank must be upgraded to a 2000 gallon.
- The new septic system must be installed prior to building permit approval.
- The existing pool equipment must be moved to accommodate the new septic area.

The next step in this process is to have your engineer/consultant redesign and resubmit a Percolation Certification Plan. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana L. Bernard, Environmental Sanitarian
Bureau of Environmental Health
Well and Septic Program
Development and Coordination
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

DLB

Enclosures

cc: Well & Septic Program

Greg Phillips, Project Manager

NJR & Associates, LLC.

PLAT NORTH

LOT 43
PLAT No. 9582
THE WARFIELDS

100 YEAR FLOOD PLAIN
DRAINAGE AND UTILITY EASEMENT
1.335 AC±

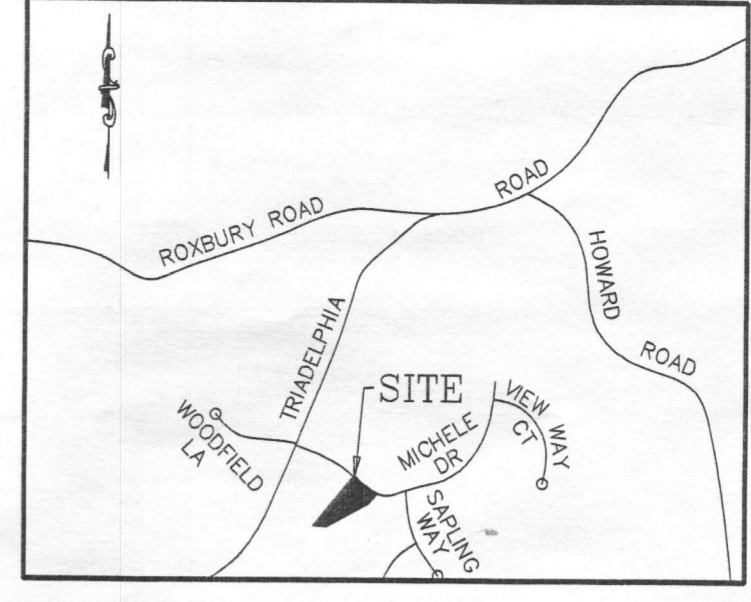
LOT 44
PLAT No. 9582
THE WARFIELDS

LOT 42
PLAT No. 9582
THE WARFIELDS
3.163 AC±

LOT 41
PLAT No. 9582
THE WARFIELDS

Caution
Mark Prop. Line,
or move off of it

SITE NOTES:
1- LOT 42, PLAT BOOK No. 9582
2- ZONING "R"
3- SETBACKS - FRONT 75'
SIDE 30'
REAR 60'
5- LOT AREA = 3.163 ACRES.



VICINITY MAP
SCALE 1" = 2000'



- LEGEND
- EX. WELL
 - ⊙ EX. ELECTRIC BOX
 - ⊕ EX. SAN. CLEANOUT
 - EX. BASKETBALL POLE
 - ⊞ EX. ELECTRIC TRANSFORMER
 - ⊞ EX. TELEPHONE OR CABLE PEDESTAL
 - 371.25 + EX. SPOT ELEVATION
 - 366- EX. CONTOUR
 - ~~~~~ EX. EDGE WOODED AREA

BOUNDARY AND
TOPOGRAPHIC SURVEY
OF
LOT 42
PLAT No. 9582
THE WARFIELDS
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

ADDRESS: 14808 SW MICHELE DRIVE
GLENELG, MARYLAND 21737

LOT 42
PLAT No. 9582
THE WARFIELDS
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

PLAN PREPARED BY:
NUR & ASSOCIATES, I.L.C.
LAND SURVEYING AND PLANNING
8015-B DORSEY RUN ROAD
JESSUP, MARYLAND 20794
TEL: (240) 698-3200
FAX: (410) 789-8685

REVISIONS

STATE OF MARYLAND
NUR & ASSOCIATES, I.L.C.
NUR
5/9/08

GRAPHIC SCALE 1"=30'

DATE: MAY 09, 2008
JOB NUMBER: 2799
FILE NUMBER: LOT42
PLOTTED: MAY, 09, 2008
DRAWN BY: NR

BOUNDARY AND
TOPOGRAPHIC SURVEY

SHEET 1 OF 1