

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

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

APP 537815-E

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

DATE 5-29-12

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 4025 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) NAGAT ALALFEY

DAYTIME PHONE \_\_\_\_\_ CELL 410-961-7169 FAX \_\_\_\_\_

MAILING ADDRESS 6846 SEWELLS ORCHARD RD COLUMBIA MD 21045  
STREET CITY/TOWN STATE ZIP

APPLICANT NAGAT ALALFEY

DAYTIME PHONE \_\_\_\_\_ CELL 410-961-7169 FAX \_\_\_\_\_

MAILING ADDRESS 6846 SEWELLS ORCHARD RD COLUMBIA MD 21045  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION Lot 3  
SUBDIVISION/PROPERTY NAME POLANSKY PROPERTY, PLAT NO. 13163 LOT NO. 26

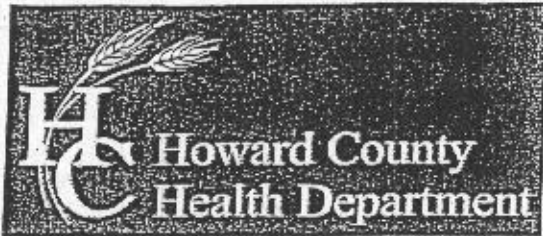
PROPERTY ADDRESS 11404 FEDERICKS RD ELLIOTT CITY  
STREET TOWN/POST OFFICE Lot C

TAX MAP PAGE(S) 16 GRID 15 PARCEL(S) 88 PROPOSED LOT SIZE 61,471 SQFT

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. NAGAT ALALFEY  
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  
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 TDD 410-313-2323 | Toll Free 1-866-313-6300  
 www.hchealth.org  
 Facebook: www.facebook.com/hocohealth  
 Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: Frederick Road

Subdivision: Maple View Lot: 6

Initial system: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 2  
 1<sup>st</sup> Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 2  
 2<sup>nd</sup> Replacement: Application rate: 0.8 Effective area beginning depth: 3.5 Bottom maximum depth: 7

Design Flow = 150 gallons per day per bedroom

Design flow + application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage + trench width

Sidewall reduction credit formula:

$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D + W up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

~~BAT UNIT~~

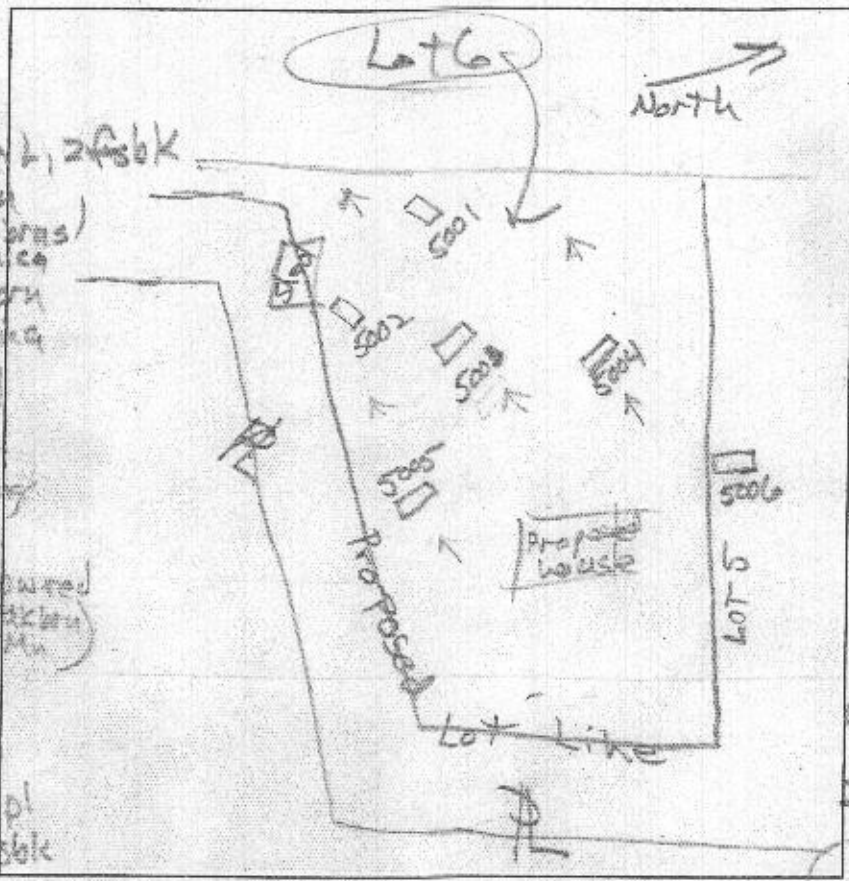
Approved: R Buck Date: 9/18/15

AP  
5001  
2.7' dk brn loam  
(impl to brn L, 2 fsk)  
yel-red & brn  
sl to dk grey brns  
wavy mica  
3.5' yel-red & brn  
ls, many mica  
5.5' yel/red & brn  
ls, many mica  
few Mn nodules

11' yellow & yellow-red  
sl, mica, 2p (dk brn)  
(mzd) grey Mn

5005  
2.2' dk brn L 3opl  
brn L, 1 fsk  
2.3' yel-brn  
2msbk  
4' yel-red  
red ls  
4.8' brn chcl  
many Mn nodules  
many mica

5003  
2.5' yel-brn loam  
2.5' yel-brn sl  
3' yel-red sl  
heavy  
4.1' yel-red ls  
many mica



5002  
1.5' brn sl  
3msbk  
to yel-red sl  
slight mica  
3' yel-red sl  
few mica  
6.5' yel, H. brn yel  
& H. brn loam  
11.5' pale brn  
yel-red ls  
(w/ p/dk brn  
mica)

5004  
0.8' brn loam  
2msbk  
2.2' brn sl  
3msbk  
red sl heavy  
1 fsk  
3' red sl  
few mica  
3.5' red ls  
many mica

8.8' reddish ls  
many mica  
12.2' (3p) (talk)  
red sl  
pale red & yel  
3p (blk)  
12.8'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/13/12	5001	3.5' / 11'	9:53	9:59	10:12	13	P
7/13/12	5004	12.8'	Visual	5 down 12-8'	12:30	12	P
7/13/12	5002	4.5' / 11.5'	10:15	10:21	10:34	13	P
7/13/12	5005	5' / 12.2'	10:31	10:33	10:38	5	P
7/13/12	5003	12.2'	Visual	5 down 12-8'	12:30	12	P

REMARKS public water  
 SANITARIAN RB BACKHOE Jeff Allen OTHERS Tony Fertitta  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

AREA TO BE 5027 REMOVED

Existing Barn

518.61  
5002

518.52  
5001

P 521.67  
5003  
10,129 SQ.FT.

P 525.29  
5004

P 525.83  
5005

P 530.43  
5006

P 526.52  
5010

10,305 SQ.FT.  
P 527.04  
5008

P 528.99  
5007

**LOT 5**  
63,585 Sq.Ft.±

**LOT 6**  
61,471 Sq.Ft.±

N 71° 36' 50" W 315.04'

*copy Perc Cert  
signed 9/25/12*