



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 535170

AGENCY REVIEW: _____

DATE 4-22-11

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) JOHN P MCDANIEL & ELEN G MCDANIEL

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 13032 HIGHLAND ROAD HIGHLAND MD 20777
STREET CITY/TOWN STATE ZIP

APPLICANT ROBERT H. VOGEL ENGINEERING, INC

DAYTIME PHONE 410-401-7000 CELL _____ FAX 410-401-0960

MAILING ADDRESS 2407 MAIN STREET FULLCOTT CITY MD 21043
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION KOAHDAH GARDENS
 SUBDIVISION/PROPERTY NAME MCDANIEL PROPERTY LOT NO. 02

PROPERTY ADDRESS 13032 HIGHLAND ROAD HIGHLAND MD 20777
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID 22 PARCEL(S) 117&78 PROPOSED LOT SIZE 40 AC ±

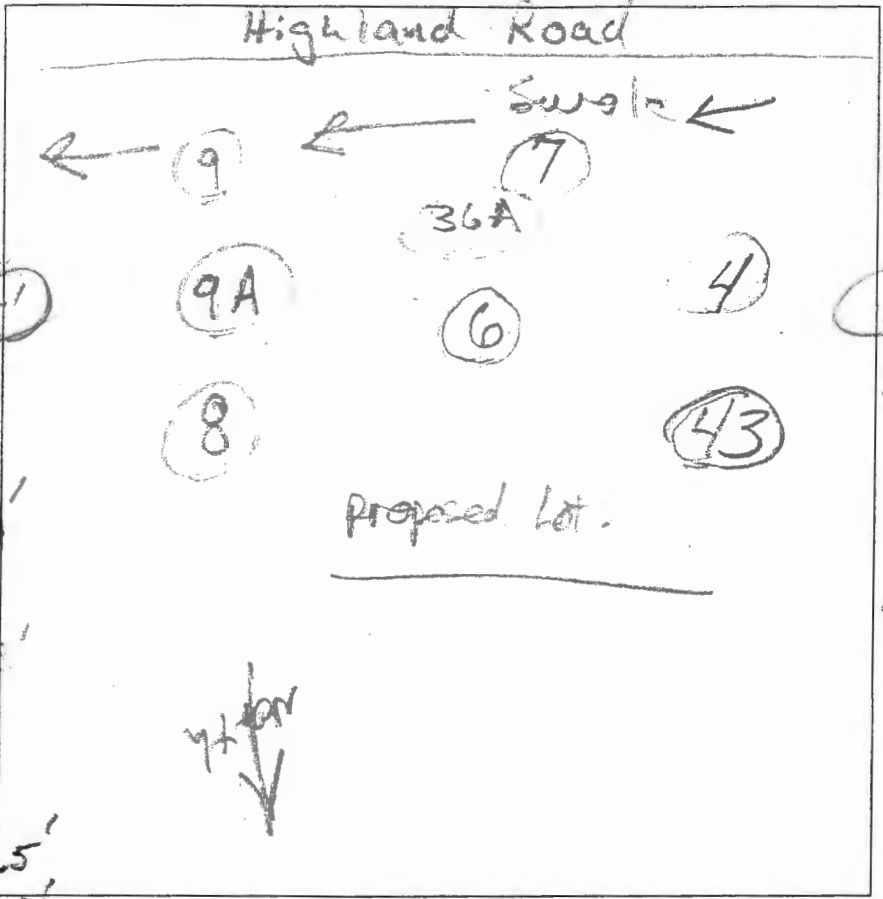
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. 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
 7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

36A



7
 dk brn loam
 brn loam
 4.5-5.5
 yel-brn silty
 yel-brn silty
 3
 yel-red silty
 heavy, dense
 3
 yel-red silty
 mica, mica
 7
 yel-brn
 Lt. gray ls
 12.5
 dk brn-gray
 med red
 mica
 12.5
 (vel)
 12.5

1.4
 dk brn loam
 yel brn loam
 3.5
 yel-red
 silty
 yel-red silty
 heavy, dense
 4.5
 dk brn silty
 micaceous
 5.7
 dk brn silty
 w/ clay red
 platy
 7
 yel & pale yel
 w/ thin ld (dk gray)
 9.5
 lfs
 brn silty
 many mica
 12.2

6
 dk gray-brn L
 brn loam
 stoney layer
 2.5'
 yel-red silty
 3.8'
 yel-red silty
 heavy, dense
 6.0
 brn, yel-red
 & gray-brn
 many mica
 10.5
 dk brn lfs
 w/ yel-red
 many mica
 12

DATE	TEST #	DEPTH	START	BREAK	STOP	TIME OF	P/F/H
				1" DROP	2" DROP	2ND INCH	
5/13/11	7	6.5/11	11:52	11:54	11:57	3	P
5/13/11	36A	12.2	Visual		sidewall 1.29pm	OK 7-8	P
5/13/11	6	6.2/12	2:43	2:47	2:54	7	P

REMARKS _____

SANITARIAN DB BACKHOE Check 7/11 OTHERS Screwy Rutter

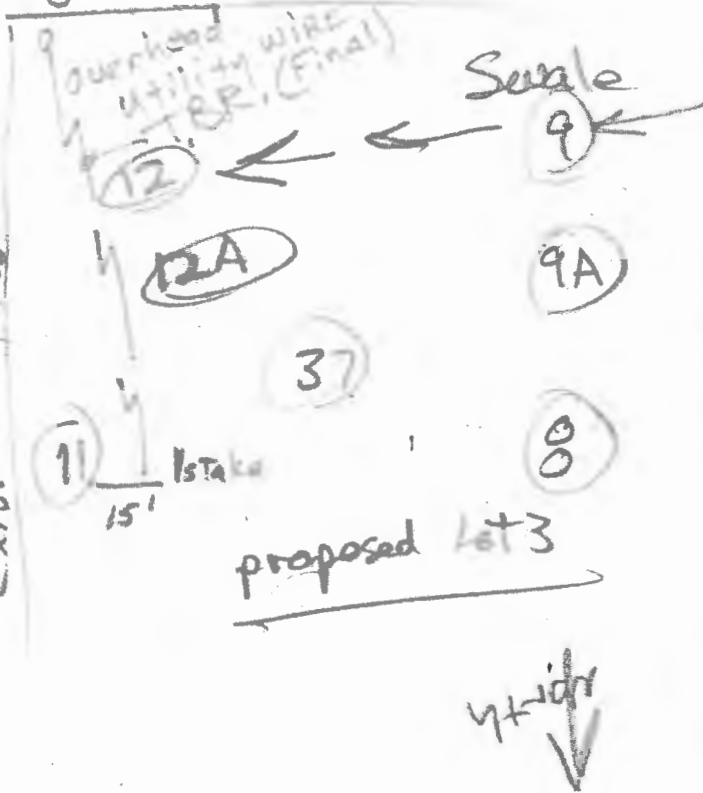
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

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

AVP

9A

Highland Road



dk brn loam 0.4'
 yel-brn loam 0.4'
 yel-brn cl 0.4'
 w/m 2f pale brn 2.8'
 yel-brn cl 4.4'
 w/c 3d (grey) 4.4'
 yel-red sl/sc 5.1'
 yel-red sl 5.1'
 yel-brn sl 6.8'
 common mica 12.2'
 pale yellow 1.2'
 red-yellow 1.2'
 lt grey-brn sl 1.4'

37
 dk brn loam 4.1'
 yel-red sl 2.8'
 yel-red heavy sl 4'
 sm, dense 4'
 yel-red, yel, d yel-brn sl 3.5'
 grey-brn 1.2'
 lt grey-brn 1.2'
 dk brn grey 1.2'
 pale red yel 1.2'
 lt grey-brn 1.2'

11
 dk brn loam 1.2'
 brn loam 1.2'
 yel-red sl 3.5'
 slight sticky 3.5'
 yel-red d yel-brn heavy sl 5.1'
 slight sticky 5.1'
 pale red-yel, yellow 3'
 pale yellow sl 7.1'
 white sl 12.1'
 common mica 12.1'
 common large blk 12.1'
 fine mica 12.1'
 grey-white 12.1'
 pale yellow 12.1'

12A
 dk brn to brn 0.9'
 yel-red sl/sc 2'
 yel-red sl 5'
 heavy, dense 5'
 grey-brn 9.8'
 pale yellow 12.1'
 grey-brn 12.1'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/13/11	9A	7.2' / 12.2'	9:38	9:41	9:48	7	P
5/13/11	9	Visual	low topo	—		—	F
5/15/11	8	4.4' / 11.9'	10:07	10:09	10:12	3	P
5/13/11	37	5' / 11.2'	10:27	10:33	10:46	13	P
5/13/11	11	6' / 12'	10:47	11:03	11:33	30	P
5/13/11	12	7.2' / 11.5'	10:54	11:24	—	—	F
5/13/11	12A	5.8' / 12.5'	3:09	3:11	3:14	3	P

REMARKS: 12' physical test of depth 11.5'

SANITARIAN: PE BACKHOE: Chuck OTHERS: Brody, Butler

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

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

9
 dk brn loam 0.8'
 red-brn sl 1.3'
 yel-brn cl 3.2'
 sticky 3.2'
 yel-brn cl 3.5'
 w/m 2d (grey) 3.5'
 operator quit digging - moved uphill

8
 dk brn loam 0.8'
 yel-red sl 1.6'
 yel-red heavy sl 3.4'
 slight sticky 3.4'
 yel-red sl 4.1'
 yel-brn 4.1'
 common mica 13.8'



EDMUND S. & CHRISTINE G. COALE
"HIGHLAND LAKE"
LOT 36
TM: 34
PARCEL: 370
L 1257 / F 387
ZONED: RR-DEO

LESLIE S. GOLDSTEIN
"HIGHLAND LAKE"
LOT 37
TM: 34
PARCEL: 370
L 1756 / F 353
ZONED: RR-DEO

LINDA LEE ANGLIN
"HIGHLAND LAKE"
LOT 35
TM: 34
PARCEL: 370
L 8045 / F 443
PLAT# 3809
ZONED: RR-DEO

RODNEY F. VITEK
JOANN M. MONKS
"HIGHLAND LAKE"
LOT 34
TM: 34
PARCEL: 370
L 3892 / F 219
ZONED: RR-DEO

BUILDABLE PRESERVATION PARCEL "A"
19.47 AC±
JOHN AND ELLEN MCDANIEL
CASEMENT HOLDERS
MARYLAND HISTORICAL TRUST AND HOWARD COUNTY, MARYLAND

JOHN P. & ELLEN G. MCDANIEL
HIGHLAND
TM: 34
PARCEL: 117
L 1174 / F 541
ZONED: RR-DEO

EVAGELIA NYCHIS
"HIGHLAND LAKE"
LOT 33
TM: 34
PARCEL: 370
L 2617 / F 749
ZONED: RR-DEO

CHARLES J. & GAIL V. FOUNTAIN
"HIGHLAND LAKE"
LOT 32
TM: 34
PARCEL: 370
L 1373 / F 483
ZONED: RR-DEO

LOT 1
59,998 SF

LOT 2
59,995 SF

LOT 3
59,915 SF

RUNNING BROOK, LLC
"HARWOOD W. OWINGS PROPERTY"
NON-BUILDABLE PRESERVATION H
TM: 40
PARCEL: 44
L 8249 / F 001
PLAT# 17795
ZONED: RR-DEO

RUNNING BROOK, LLC
"HARWOOD W. OWINGS PROPERTY"
NON-BUILDABLE PRESERVATION B
TM: 40
PARCEL: 44
L 8711 / F 163
PLAT# 18321

Speed 8/15