

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 535,70

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 & ELLEN 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 410-401-7006 CELL _____ FAX 410-401-8961

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

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

PROPERTY LOCATION KOANDAH GARDENS
 SUBDIVISION/PROPERTY NAME MCDANIEL PROPERTY LOT NO. 05

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

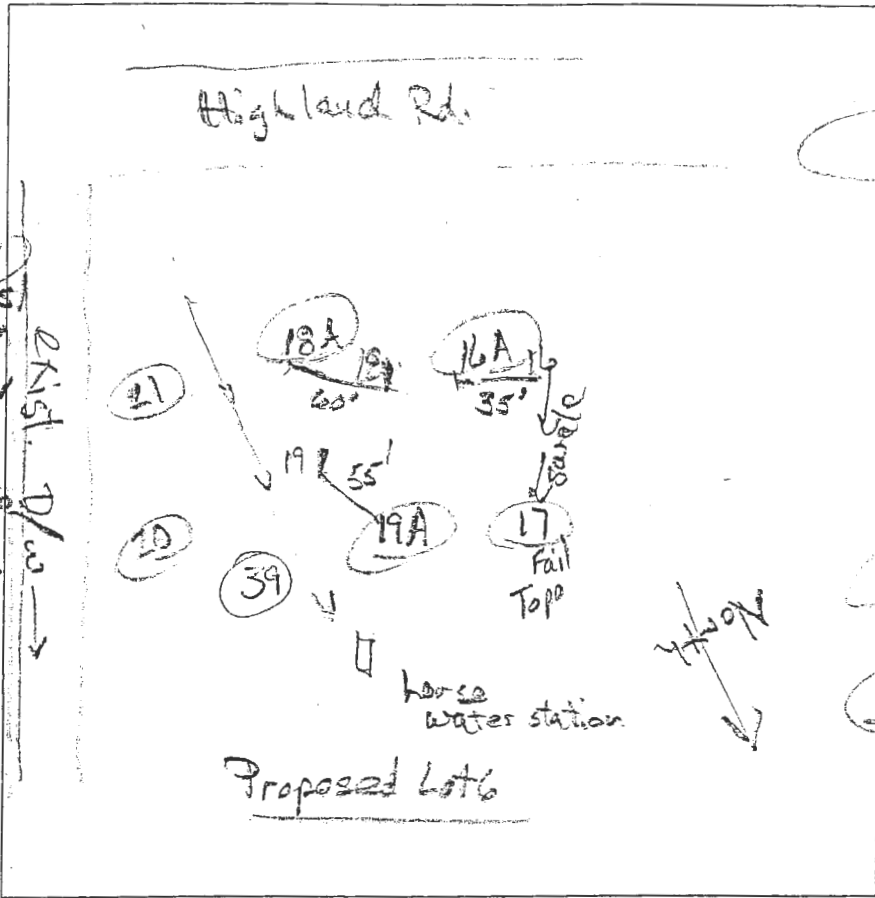
TAX MAP PAGE(S) 34 GRID 22 PARCEL(S) 117&78 PROPOSED LOT SIZE 40 AC+

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



(21)
 dk brns /
 brn loam
 brn heavy fs
 dense
 3'
 yel & yel
 reds
 w/lt grey-brn
 sl, many
 mica
 7.5'
 dk brn ls
 w/ yellow strata
 micaceous
 13.6'

(19A)
 dk brn loam
 brn heavy sl
 3'
 dk brn sl
 ls, w/ yellow
 strata
 10'
 dk brn sl
 micaceous
 w/ red & yel-red
 & soft Mn masses
 moist
 water
 11.2'

(18A)
 dk brn loam
 to brn loam
 brn heavy
 fs many
 dense mica
 4.5'
 yel-red fs
 5.0'
 lt grey brn
 sl, micaceous
 10.2'

4.3'
 dk brn sl
 brn loam
 brn heavy fs
 1. grey brn
 sl, dsy
 micaceous
 7.5'
 1. grey brn
 ls micaceous
 11.2'
 pale yellow
 dk grey-brn sl
 11.8'

(39)
 dk brns /
 brn loam
 brn heavy sl
 many mica
 2.5'
 yel-red, yel
 & lt grey-brn
 sl, micaceous
 4'
 lt grey brn
 sl, micaceous
 9.5'
 dk brown
 & yellow fs
 10'
 dk grey brn
 yel-red, pale yellow
 10.2'

(16A)
 dk brn loam
 brn heavy sl
 yel-red heavy sl
 3.5'
 brn & yellow
 sl, micaceous
 9.5'
 dk brn ls
 micaceous
 12'

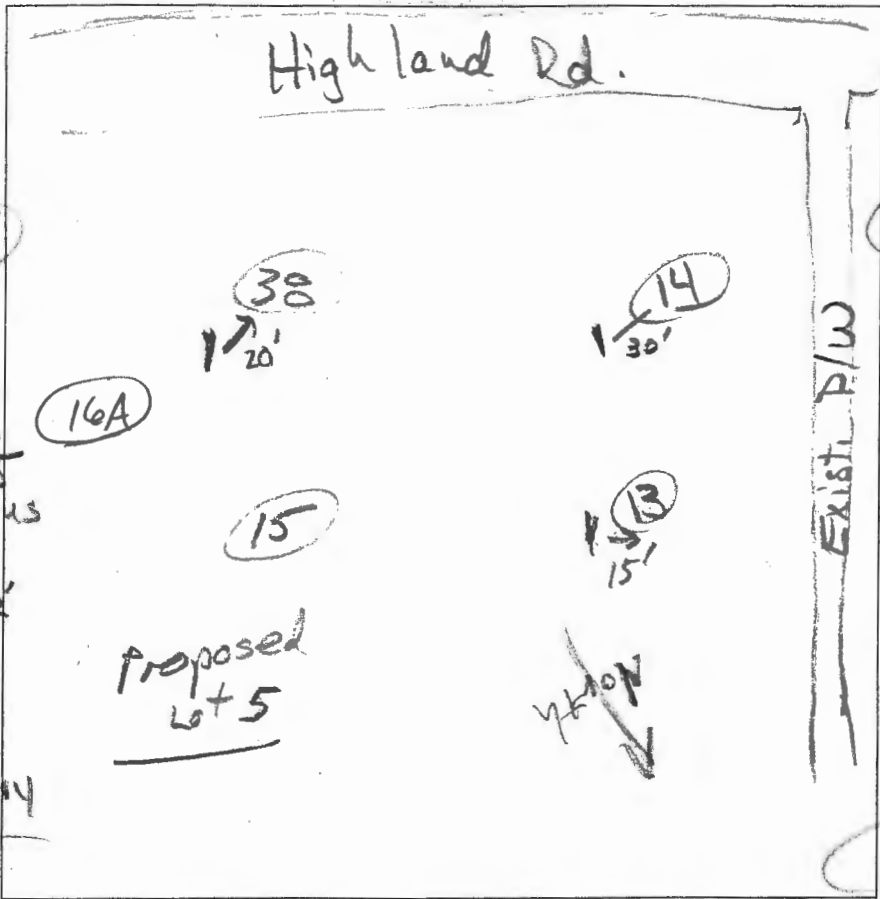
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/12/11	21	4.2 / 13.6	0	1.5	3.7	2.2	P
5/12/11	20	4.6 / 11.2	2:14	2:17	2:23	6	P
5/12/11	39	4.2 / 10	0	1.7	4	2.3	P
5/12/11	19A	4.5 / 10	2:59	3:01	3:04	3	P
5/12/11	(16A)	4.2 / 12	3:15	3:18	3:23	5	P
5/12/11	18A	5.3 / 12	3:27	3:33	3:44	11	P

REMARKS Did not dig #17

SANITARIAN RB BACKHOE Chuck Fepp OTHERS Jeremy Rutter

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____



(15)
 dk brn loam
 brn heavy sl
 many mica
 3'
 brn sl
 micaceous
 9'
 brn ls
 micaceous
 11.5'
 psl micaceous
 dk grey-brn
 yel-red, black
 water - 12.2'

(14)
 0.8' dk brn loam
 1.4' brn sl, heavy
 brn fsl
 heavy mica
 4'
 brn sl
 11.8' micaceous
 micaceous
 dk grey brn
 w/ pale yellow
 white fsl
 12.5'

(38)
 dk brn loam
 to brn sl, heavy
 pale brn
 yel-red sl
 heavy
 3.8'
 yel-red
 yellow sl
 4.8'
 brn sl
 micaceous
 9.5'
 dk brn
 ls, micaceous
 12.2'

(13)
 1.1' dk brn loam
 brn heavy sl
 2msbk
 1.9' yel-red
 heavy sl
 sm, dense
 4'
 brn sl
 micaceous
 4.8' brn ls
 micaceous

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/12/11	15	4' / 11.5'	3:41	3:45	3:52	7	P
5/12/11	38	5.2' / 12'	4:21	4:24	4:29	5	P
5/12/11	14	4.5' / 11.8'	4:04	4:08	4:16	8	P
5/12/11	13	5' / 12.8'	4:09	4:14	4:22	8	P

7.5' pale brn
 & yellow ls
 many mica
 11' dk brn ls
 w/ many Mn
 soft masses
 discontinuous
 Imp!

REMARKS #16A is similar to #38

SANITARIAN RB BACKHOE Chuck Zapp OTHERS Jeremy Rutter

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

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



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

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: _____

Subdivision: McDaniel Property Lot: 4

Initial system: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 8

1st Replacement: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 6

2nd Replacement: Application rate: 1.2 Effective area beginning depth: 2.5 Bottom maximum depth: 6

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:

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

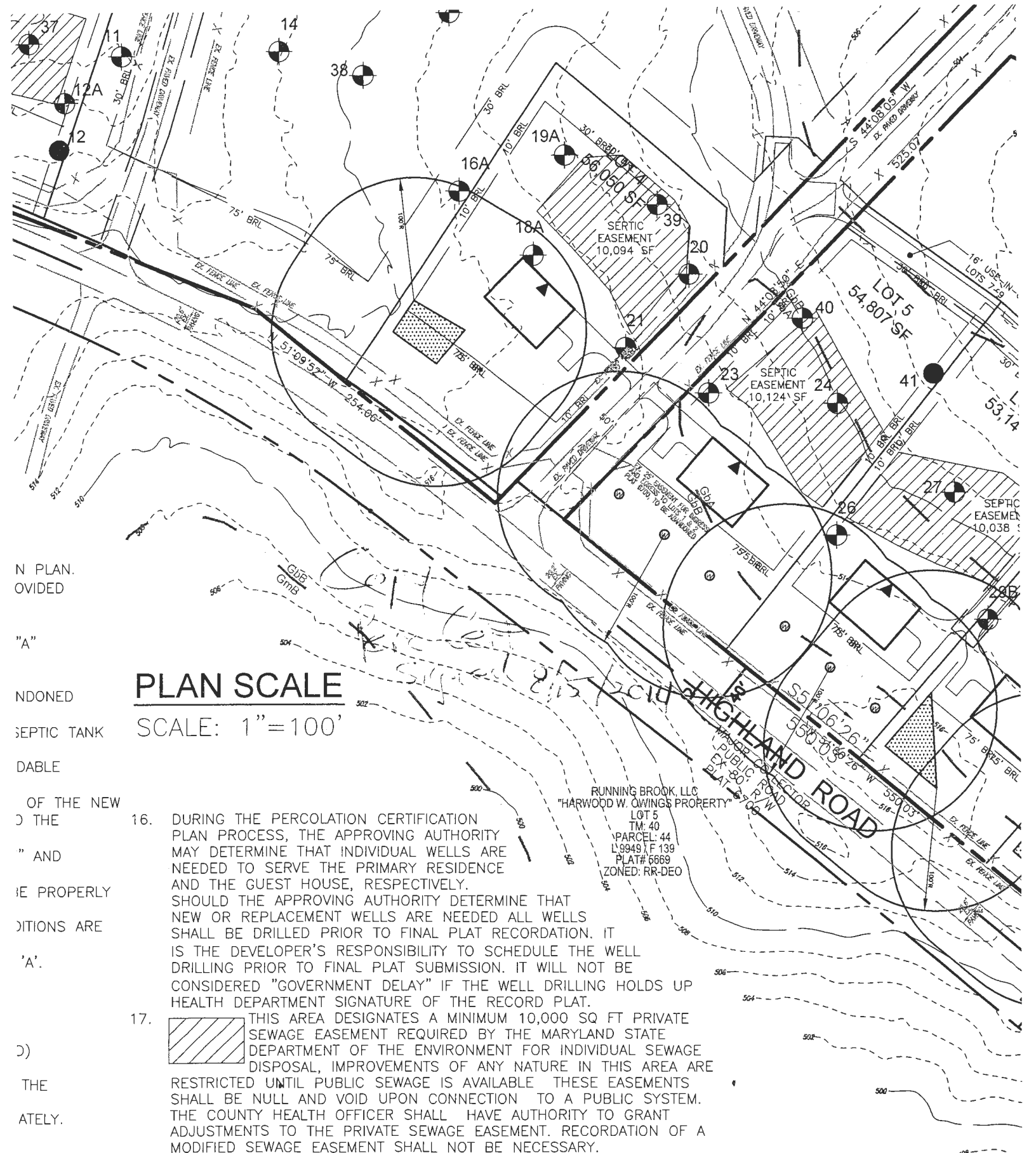
Standard design requirements:

- 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 Bricker

Date: 9/19/2016



N PLAN.
 OVIDED

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SEPTIC TANK

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BE PROPERLY

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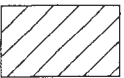
'A'.

DO)

THE

ATELY.

PLAN SCALE
 SCALE: 1"=100'

16. DURING THE PERCOLATION CERTIFICATION PLAN PROCESS, THE APPROVING AUTHORITY MAY DETERMINE THAT INDIVIDUAL WELLS ARE NEEDED TO SERVE THE PRIMARY RESIDENCE AND THE GUEST HOUSE, RESPECTIVELY. SHOULD THE APPROVING AUTHORITY DETERMINE THAT NEW OR REPLACEMENT WELLS ARE NEEDED ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS UP HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
17.  THIS AREA DESIGNATES A MINIMUM 10,000 SQ FT 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 AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

RUNNING BROOK, LLC
 "HARWOOD W. OWINGS PROPERTY"
 LOT 5
 TM: 40
 PARCEL: 44
 L'9948 / F 139
 PLAT# 6669
 ZONED: RR-DEO

ACCESS EASEMENT FOR THE BENEFIT OF LOTS 1-3 AND BUILDABLE PRESERVATION PARCEL 'A'

Pericent Plan signed 9/27/23

14
522.13

38
519.48

15
517.91

16A
517.84

19A
514.31

39
512.77

18A
516.76

20
512.94

21
516.11

23
514.47

LOT 4
56,050 SF

APPROVED SEWAGE DISPOSAL AREA
10,094 SF

WELL AREA TO BE ABANDONED
1,569 SF

THE WELLINGTON
TF=571.00
BF=511.15

EX. WELL
HO-95-2653

ALT. WELL #1

ALT. WELL #2

EX. WELL

HIGHLAND ROAD
MAJOR COLLECTOR ROAD
LAW WIDTH VARIES

EX. FENCE LINE

EX. SHED
CA. 1990
TO REMAIN

3-CAR
GAR (REV)

EX. FENCE LINE

EX. FENCE LINE

PAVED DRIVEWAY

3-CAR
GAR

GBA

EX. HOUSE

100' WELL RADIUS

75' BRL

30' WELL RADIUS

30' WELL RADIUS

30' WELL RADIUS

30' WELL RADIUS

100' WELL RADIUS

75' BRL

30' BRL

10' BRL

310.31'

30' BRL

S49°46'09"E 183.69'

30' BRL

503'10.50"W

10' BRL

555.96'

75' BRL

75' BRL

EX. FENCE LINE

EX. PAVED DRIVEWAY

PAVED DRIVEWAY

89.34'

24.68'

EX. SECURITY POLE

75' BRL

EX. FENCE LINE

EX. FENCE LINE

EX. FENCE LINE

EX. FENCE LINE



HOWARD COUNTY HEALTH DEPARTMENT

74999

DATE
8/22/23

Received From

Timmins Group - Vogel's

PHONE # 301-240-6500

For Prorated fee Perch + (Rampage)

McDaniel Property -

CASH

CHECK

NO. 3301

Two hundred + thirty dollars — 00/100

Dollars

\$ 330.00

Received By Vicki Kelly



HOWARD COUNTY HEALTH DEPARTMENT

75012

DATE
8/30/23

Received From

Vogels

PHONE #

For

REVISIONS / OSDS /
11908 Caretas way Lot 5
13010 Highland Rd. Lot 4
Twenty-two

- CASH
- CHECK

NO.

Dollars

\$ 92 | 00

Received By

J King

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, September 6, 2023 11:04 AM
To: Jeremiah Reynolds
Cc: Freemon, Robert
Subject: OSDS Plan_13010 Highland Road_McDaniel Property_Lot #4

Hi Jeremiah:

I believe Spencer has or will be sending out perc cert plan review comments soon. With that said, here is what I saw on the OSDS Plan.

1. The stormwater outfall/discharge setback distance to the SDA is 50 feet.
2. Add well tag # HO-95-2653
3. Update note #4.

Let me know if you have any questions or concerns.

Thanks,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Bureau of Environmental Health
Howard County Health Department
8930 Stanford Blvd. Columbia, MD 21045
(410) 313 - 1786
www.hchealth.org

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