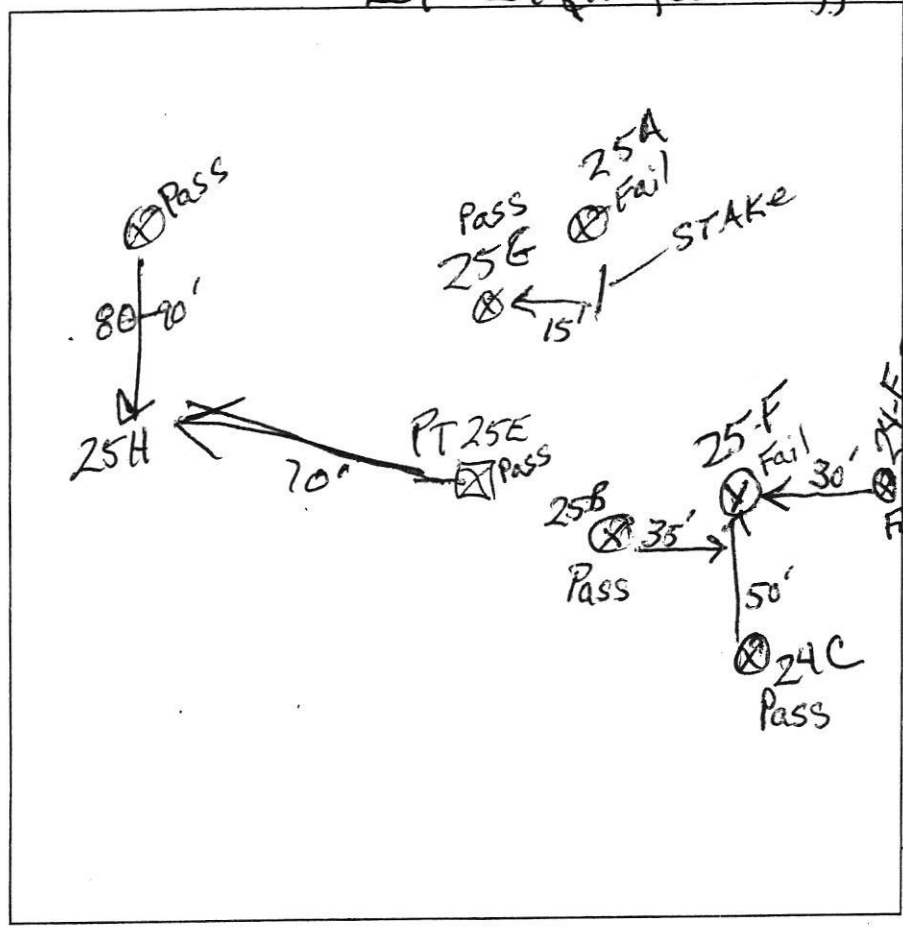


Lot 24 (#25, combining)

AP _____

25H
 0.5' brn sl
 5' red brn fsl
 15' red brn ch fsl 20%
 13' 40% filling & stone red brn sl



25F
 0.4' brn sl 2fslk
 1.5' brn sl 3msbk
 3.5' yel-brn fsl dense, 0m
 6.5' brn fsl heavy 10% channers
 12' brn ch fsl 25% pale brn ch sl 25% shale 1 plags
 R/S redd black coatings

25G
 1' 1t brn 1s sbk
 1' red-brn heavy sel
 5.5' 15% channers red-brn fsl
 9' 30% channers
 12' red-brn vch sl 35-40%
 13' 1t brn vch fsl

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/21/07	25F	22' / 12'	0	< 1" @ 20'		pulled min	F
9/21/07	25G	5.9' / 12.9'	10:43	10:57	11:25	28	P
9/21/07	25H	6.5' / 13'	0	6:00	18'	12	P
9/18/07	24E	2.7' / 12'	9:44	9:59		movement of only 1/4"	F

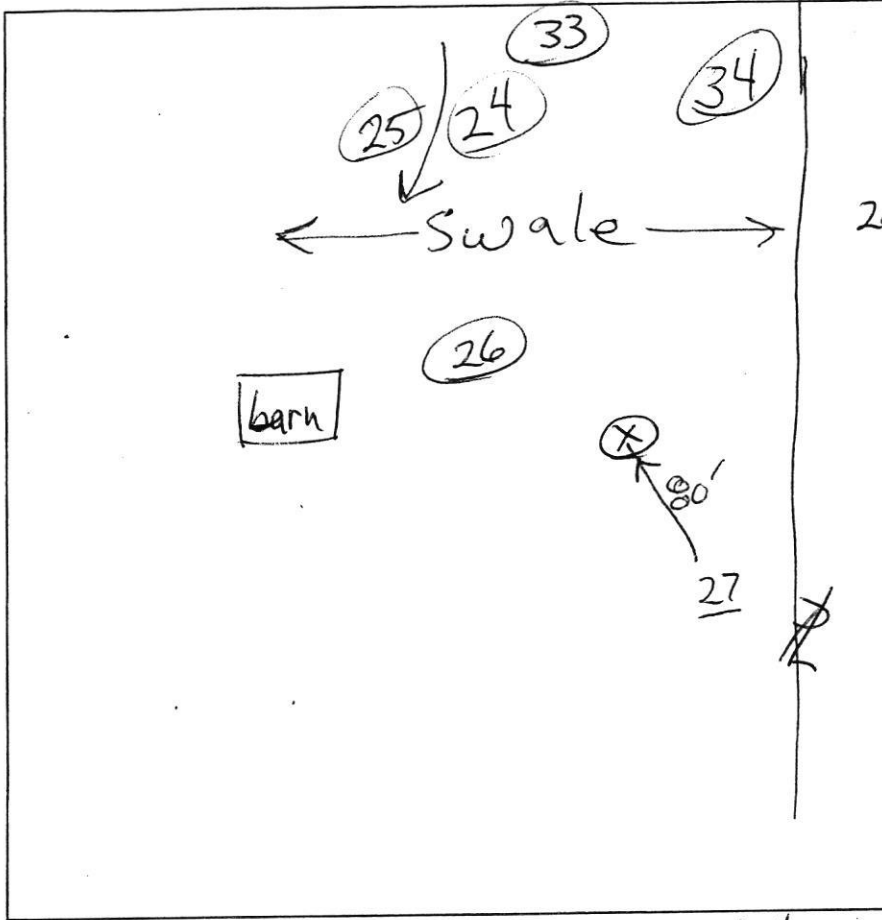
24E
 1' brn sl, 3msbk
 3' brn sl, 2msbk
 6' red-brn fsl 1fpi
 12' brn & red saprolite chusks fsl 15% channers
 14' dk brn vst fsl blacky black stone

REMARKS _____

SANITARIAN RB/Hs BACKHOE Jeff OTHERS Matt Mitchell, Elizabeth Michael

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

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



526.81
 (27) (25E)
 1' brn & dk brn sl
 1' red-brn scl
 4.5' dense
 brn sl
 Saprolite
 Øm
 12' yel-red
 soft rock (Gr)
 40%
 w/ brn sl
 16'

(24)
 1' brn sl
 2 fskb
 red-brn
 ch fsl (heavy)
 2msbk
 2.2' red-brn fsc
 2msbk
 4.5' c1d (black)
 brn loam
 Øm
 10' water
 seeps

(26)
 0.7' brn sl
 2 fgr & fskb
 2.5' brn fsl
 2msbk
 brn scl
 dense
 5.5' red-brn sl
 Øm
 15'

(34)
 0.5' brn sl
 2 epl
 1' brn fsl
 Øm
 red-brn
 fsc
 1 fskb
 5.5' brn fsl
 Øm
 8' brn chsl
 13' 25% channers

(25)
 0.3' brn sl
 2 fgr
 brn fsl (heavy)
 1 fskb
 2' ch fsc
 brown
 c1d (black)
 dense
 5' red-brn fsl
 10% channers
 10' water
 seeps

(33)
 1' brn sl
 2 fgr & fskb
 2.5' brn scl
 1msbk
 chsel
 red-brn
 5.5' vchsl
 red-brn
 40% channers
 few flags
 12' brn fsl
 15'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/29	(27)	5.5/16'	10:35	10:40	10:47	7	P
5/29	26	6.5/15'	11:18	11:32	11:51	19	P
5/29	25	5.7/10'	2:49	3:04	< 1/2"	pulled	F
5/29	24	5/10'	2:26	2:43	< 1/2"	pulled	F
5/29	34	6.5/13'	1:48	1:55	2:04	9	P
5/29	33	5/15'	12:19	12:20	12:22	2	P

REMARKS 24 & 25 are representative of Glenville series
 SANITARIAN RB BACKHOE Duane OTHERS Laura
Tan
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

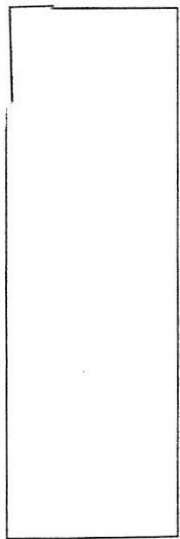
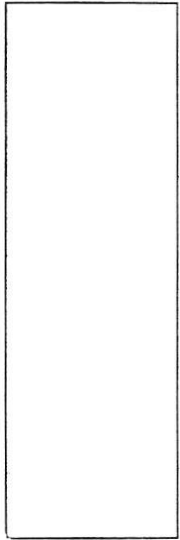
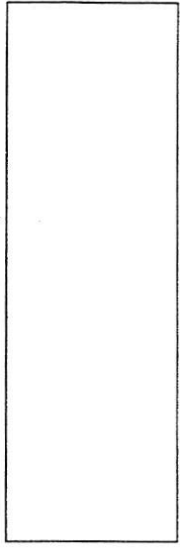
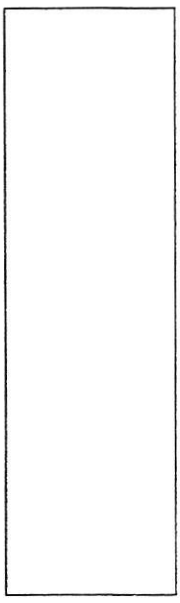
Lot 25

□
25-C

□
25D

▭
25B

▭
25A



25B

ground sbk
brown yellow
sid drain

brown m
concrete sl

40% coarse chert
Mn
squares

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/18/07	25B	6'5" / 13'	3:00	3:12	3:32	20	P
	25A	14'	3:41	4:08	Stopped @	4:39	4 1/2" F

25A

brown sbk

red
scl
dense

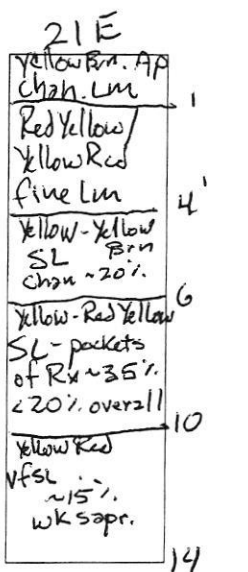
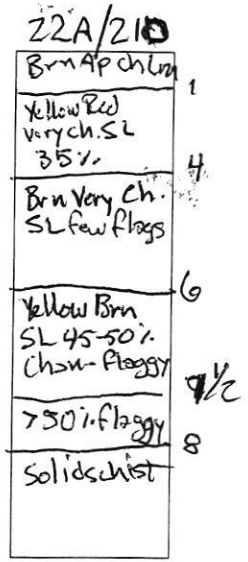
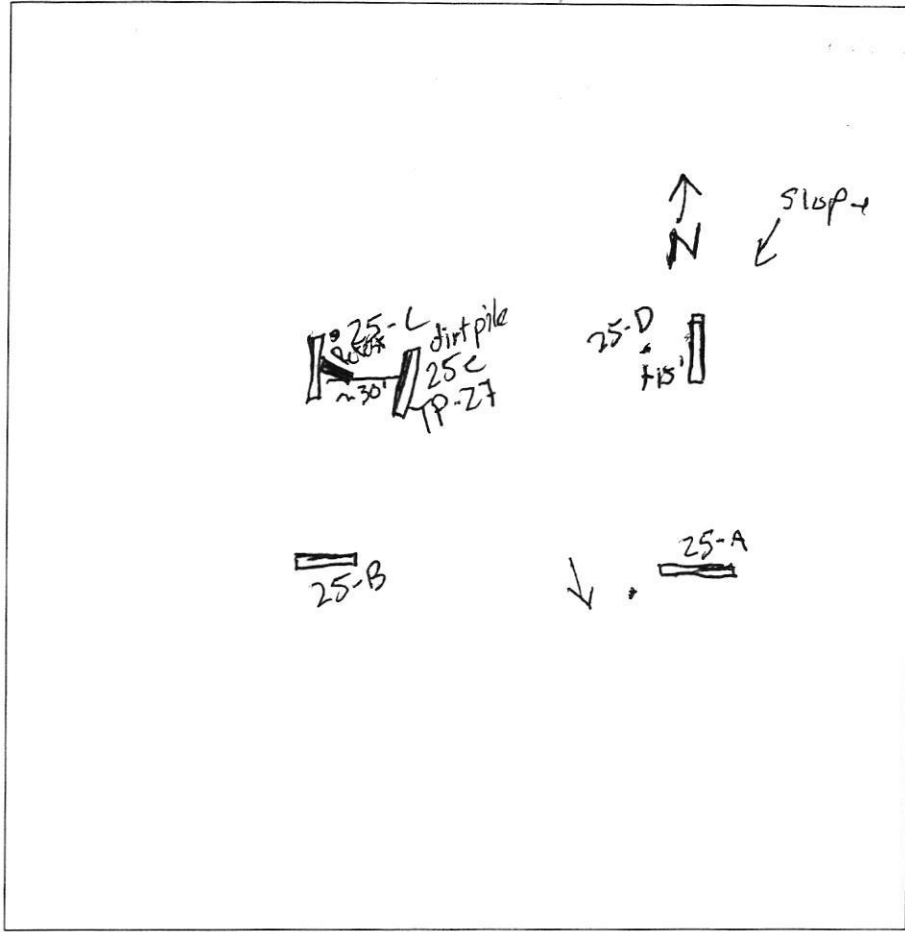
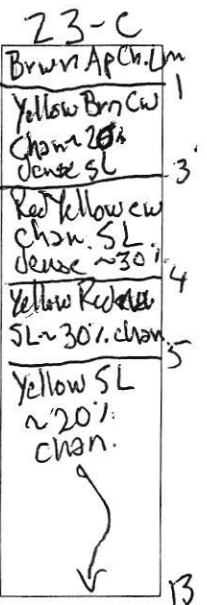
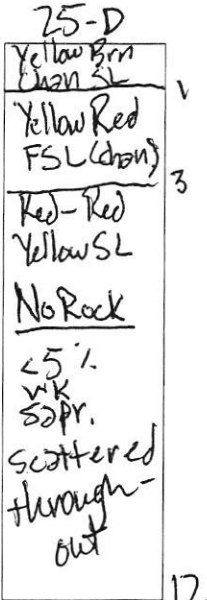
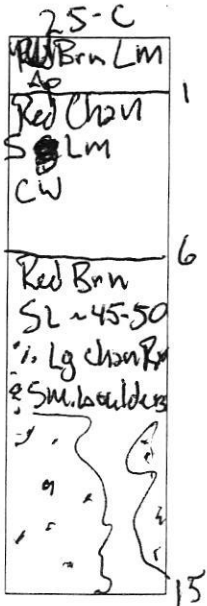
brown
concrete sl
20% chert / coarse
squares chert

REMARKS _____
 SANITARIAN GAC BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

8'
12' - brown yellow
squares chert

Lots 23, 25 & 21

AP _____



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/17/07	25-C	6 1/2' / 15'	2:41	2:43	2:46	3m Hold for repair	MP
	25-D	4' / 12'	3:12	3:13	3:15	2m + P	
9/18	23-C	5 1/2' / 13'	10:40	10:46	10:52	6m	P
	22A/21-D	3 1/2' / 8'	11:33	11:39	11:53	14	MP see Profile
9/18	21-E	4 1/2' / 14'	12:33	12:35	12:38	3m	P
9/18	25-C	8'	4:09		4:11	< 1m per	Repair
	25-C	8'	00:00	00:40	01:30	50s	F

REMARKS _____

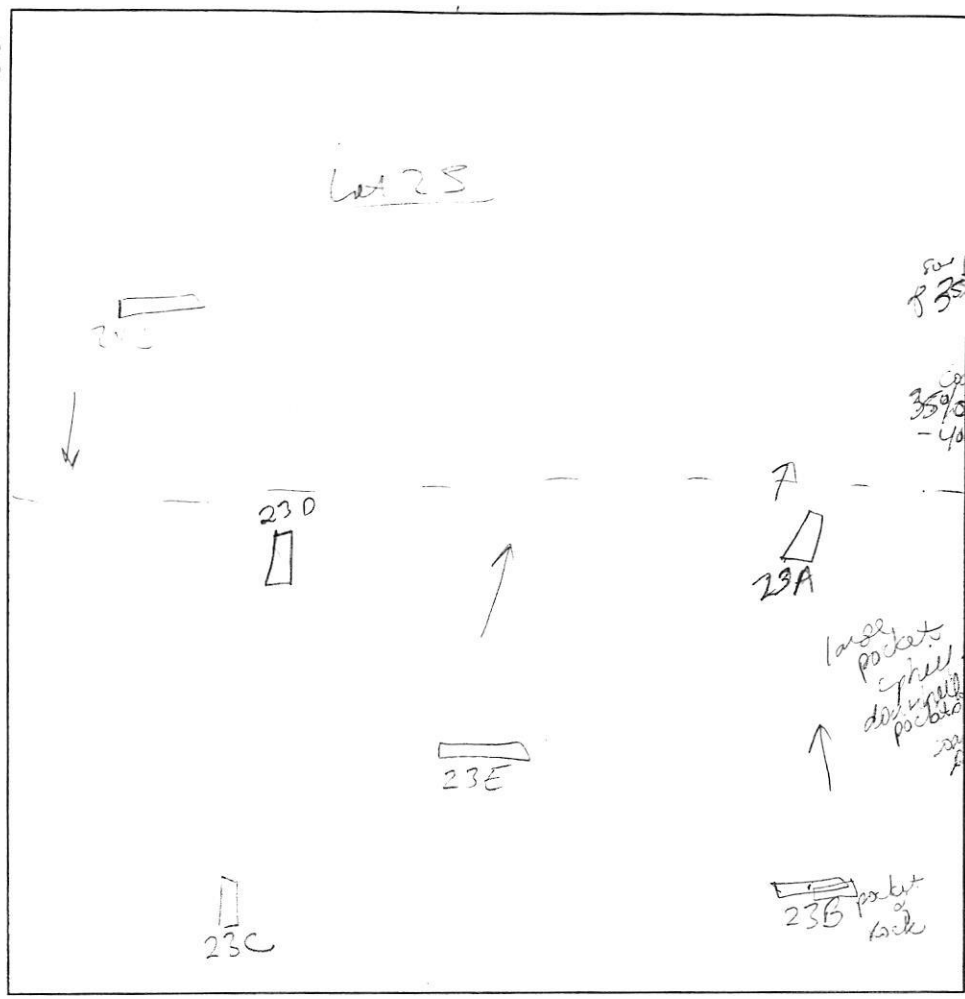
SANITARIAN GAC BACKHOE _____ OTHERS _____

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

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

lots 23 & 24

lot 25



dark brown & sbk
brown red silty clay dense
yellow brown fine silty sand
brown yellow fine silty sand
35% - 40%
large pockets of silt
dense pockets of silt

23B
dark brown silty sbk
brown red silty dense
35% chert
brown dense silty clay
25%
brown coarse silty sand
25-30% chert/spherulite

23A
dark brown & sbk
brown dense fine silty 15% chert
dense silty sand
brown yellow medium silty sand
brown yellow coarse silty sand
chert spherulite
25% chert/spherulite

24C
brown silty dense
brown yellow dense silty m
red brown coarse silty dense
25% chert
red brown coarse silty sand
35-40% coarse chert spherulite in sand

23E
brown dense & sbk
brown yellow silty level 15% chert
brown red silty sand 15-20%
dense brown chert
brown yellow (or fine silty sand)
fine silty sand
w/ coarse spherulite

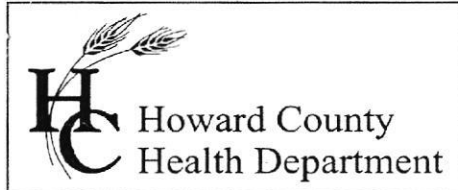
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/18/17	24C	15'	—	9:15	9:19	4	P
	23E	7' / 13'	9:53	9:54	9:56 ^{30"}	2 ^{30"}	P
	23D	7' / 14'	10:21	10:23	10:28	5	P
	23C	6' / 6'					
	23B	6' / 13'	11:13	11:23	11:36	13	P
	23A	7' / 14'	12:15	12:24	12:37	13	P

REMARKS dry soil

SANITARIAN SF BACKHOE _____ OTHERS _____

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

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



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(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

December 17, 2008

Carl Gutschick, P.E., Principal
Gutschick, Little and Weber, P.A.
3909 National Drive, Suite 250
Burtonsville Office Park
Burtonsville, MD 20866

RE: Variance request for proposed 'Strader Property' subdivision,
Tax Map 8, Parcel 2

Dear Mr. Gutschick,

The Health Department received and acted upon your variance request dated October 20, 2008 for the above referenced property. The Maryland Department of the Environment accepted our recommendation to approve the variance request allowing several future sewage disposal systems and septic areas, to be located up-gradient from planned private water supplies. After consideration and analysis of the relative landscape positions of the sewage areas to proposed well sites on the most recent proposal (*Strader Property, Preliminary Equivalent Sketch Plan*, GLW, September 2008), the variance request was approved subject to the following conditions:

1. An advanced pre-treatment system, which utilizes best available technology to perform a minimum of 60% nitrogen reduction, must be installed on the existing septic system located on (Tax Map 8) Parcel 311 prior to the approval of the final Record Plat for the proposed subdivision of Parcel 2. In addition, an Operation and Maintenance Service contract agreement with an authorized service provider must be recorded in the Howard County Land Records prior to final Record Plat approval for the proposed subdivision of Parcel 2. Before a septic system installation permit is released for the advanced pre-treatment system on Parcel 311, a Site Plan must be submitted with all necessary details for installation of the system.
2. The septic systems for nine proposed lots on the subject property (Tax Map 8 Parcel 2) must also have advanced pretreatment which utilize best available technology to perform a minimum of 60% nitrogen reduction. The proposed lot numbers on the *Preliminary Equivalent Sketch Plan* (September 2008) requiring pre-treatment are 1, 2, 5, 9, 18, 19, 20, 21 and 22. Prior to the release of the respective building permits for each of these proposed lots, a Operation and Maintenance Service contract agreements with an authorized service provider must be recorded in the Howard County Land Records for each respective lot listed above. Before the building permits or septic system installation permits are released for each of the lots listed above lots, Site Plans with all necessary details for the installation of the respective systems must be submitted to the Health Department and approved.


3. The Percolation Certification Plan, Preliminary Plan and final Record Plat, must contain a note which states, ***“For lots 1,2,5,9,18,19,20,21, and 22, building permit approval requires the installation of advanced pretreatment of the septic systems, i.e. devices that utilize best available technology to perform a minimum of 60% nitrogen reduction. On going maintenance is required and an Operation and Maintenance contract agreement with an authorized service provider, must be recorded in the Howard County Land Records for each of these lots prior to Building Permit approval”*** On the Record Plat, each of the designated lots should have a label that clearly references this note.

MDE’s Bay Restoration Fund (BRF) may provide grant money to cover the complete cost of nitrogen reducing aerobic pretreatment units/tanks depending on availability of funds and prioritization of applications. These systems are not only a good investment in the life of a septic system, but they help to purify the septic effluent prior to groundwater recharge to a much greater extent than a conventional septic tank system. If interested, please contact MDE’s project manager for Howard County, John Boris for additional information. He can be reached at (410) 537-3678. Additional information on the Bay Restoration fund can be found at the following website:

<http://www.mde.state.md.us/Water/CBWRF/osds/index.asp>.

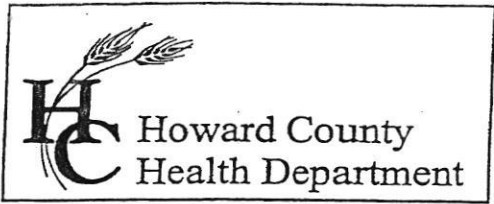
If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-2691.

Sincerely,


Robert Bricker, CPSS, R.S.
Well and Septic Program


Regional Consultant, MDE
Steven R. Krieg, R.S.

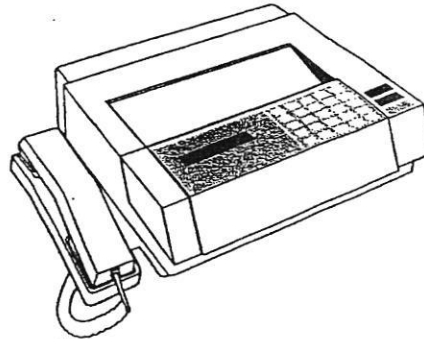
Copy: Michael Charlton, Elm Street Development
Madeline Strader (c/o Patricia Reed)



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

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

F A X



Date

12/17/2008

To

Michael Charlton

Department

Elm Street Development

FAX #

410-732-7351
720-3035

no answer
sent snail mail

From

Robert Bricker

Telephone

410-313-2691

FAX (410) 313-2648

of Pages

2 + cover

(including cover page)

Comments

Variance - wells downgradient
Strader Property

CONFIDENTIALITY NOTICE

**"WARNING: UNAUTHORIZED INTERCEPTION OF THIS TELEPHONIC
COMMUNICATION COULD BE A VIOLATION OF FEDERAL AND MARYLAND LAW"**

The documents accompanying this telecopy transmission contain confidential information belonging to the sender which is legally privileged. The information is intended only for the use of the individual or entity named above. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or the taking of any action in reliance on the contents of this telephonic information is strictly prohibited. If you have received this telecopy in error, please immediately notify sender by telephone to arrange for return of the original documents to us.

HP Color LaserJet 2840



HP LASERJET FAX

Dec-18-2008 12:14PM

Fax Call Report

Job	Date	Time	Type	Identification	Duration	Pages	Result
3802	12/18/2008	12:13:26PM	Send	914107203035	1:07	3	OK



HOWARD COUNTY HEALTH DEPARTMENT

69547

DATE
10-15-12

Received
From

Guyt Schmick, U of the
Sunderland, PA

PHONE #

For

tourism

1505

Frederick

CASH

CHECK

NO.

10464

Stover

Dollars

\$

1100

Received By

Kemp



HOWARD COUNTY HEALTH DEPARTMENT

69547

DATE
6/13/21

Received From

Gut Schick, Little
E Weber, P.A.

PHONE #

CASH

CHECK

For

for vision

1505 of
Fredrick
red.

NO.

6464

Eleven

Dollars

\$

11 00

Received By

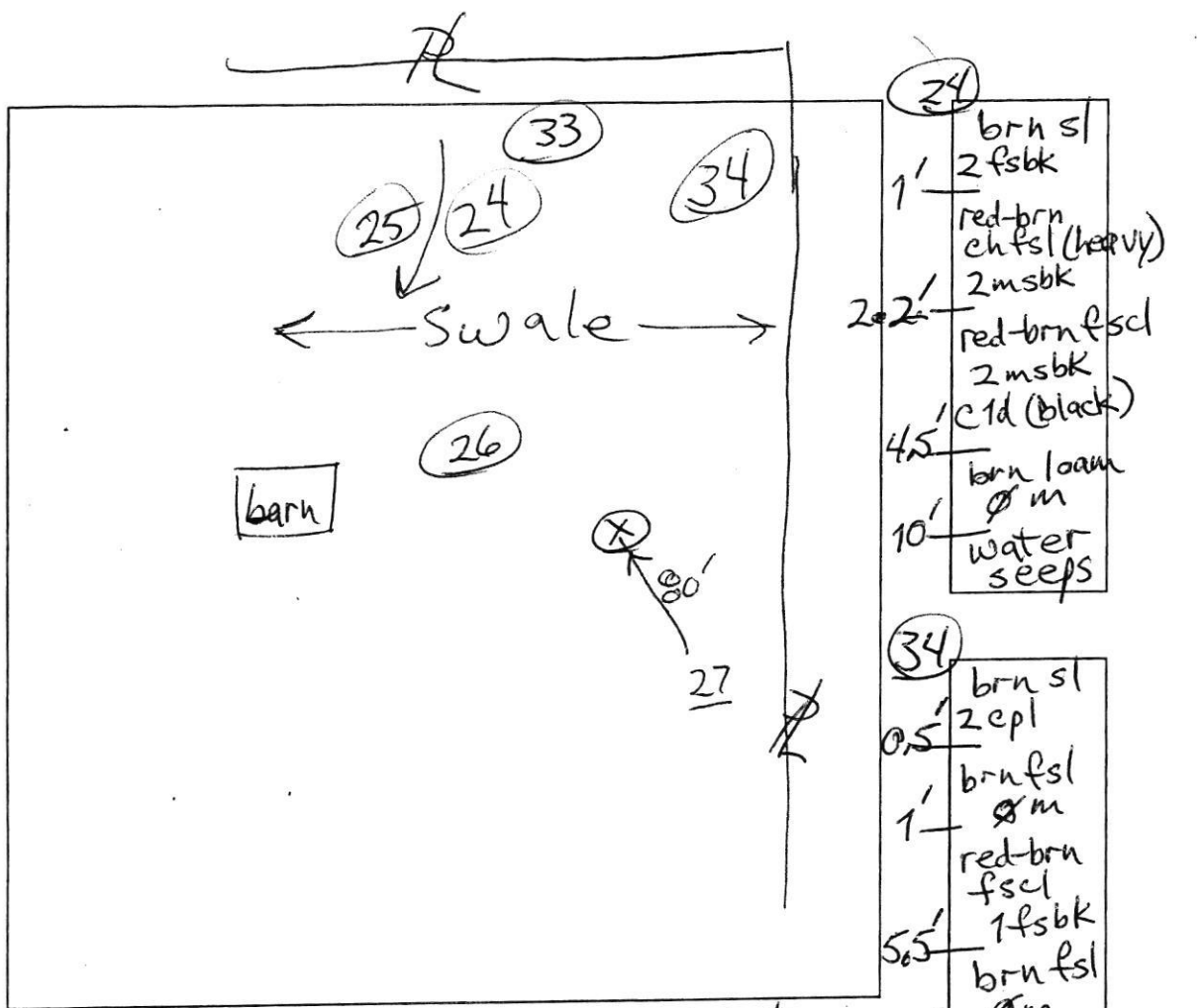
J Kemp

Op 5266.81

(27)
 1' brn & dk brn sl
 1' red-brn scl
 dense
 4.5' brn sl
 saprolite
 Øm
 12' yel-red
 soft rock (Cr)
 40%
 w/ brn sl
 16'

(26)
 0.7' brn sl
 2 fgr & fsbk
 2.5' brn fsl
 2 msbk
 brn scl
 dense
 5.5' red-brn sl
 Øm
 15'

(25)
 0.3' brn sl
 2 fgr
 brn fsl (heavy)
 1 fsbk
 2' ch fsl
 brown
 c1d (black)
 dense
 5' red-brn fsl
 10% channers
 10' water
 seeps



(24)
 1' brn sl
 2 fsbk
 red-brn
 ch fsl (heavy)
 2 msbk
 2' red-brn fsl
 2 msbk
 4.5' c1d (black)
 brn loam
 Øm
 10' water
 seeps

(34)
 0.5' brn sl
 2 epl
 1' brn fsl
 Øm
 red-brn
 fsl
 1 fsbk
 5.5' brn fsl
 Øm
 8' brn chsl
 25% channers
 13'

(33)
 1' brn sl
 2 fgr & fsbk
 1' brn scl
 1 msbk
 2.5' chsl
 red-brn
 5.5' vel brn sl
 red-brn
 40% channers
 few flags
 12' brn fsl
 15'

minutes

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/29	(27)	5.5/16'	10:35	10:40	10:47	7	P
5/29	26	6.5/15'	11:18	11:32	11:51	19	P
5/29	25	5.7/10'	2:49	3:04	< 1/2"	pulled	F
5/29	24	5/10'	2:26	2:43	< 1/2"	pulled	F
5/29	34	6.5/13'	1:48	1:55	2:04	9	P
5/29	33	5/15'	12:19	12:20	12:22	2	P

REMARKS 24 & 25 are representative of Glenville series
 SANITARIAN RB BACKHOE Duane OTHERS Laura
Tan
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

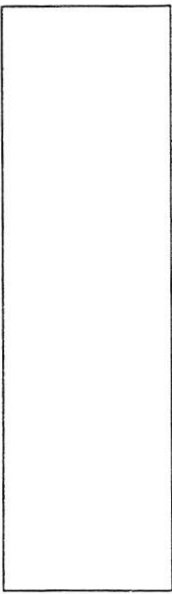
Lot 25

□
25-L

□
25-D

▭
25B

▭
25A



25B

ground sbk
brown yellow
sid drain

~6'

brown rd
concrete sl

40% coarse
Mn
sandy soil

25A

brown soil
red
sl med
sbk
dense

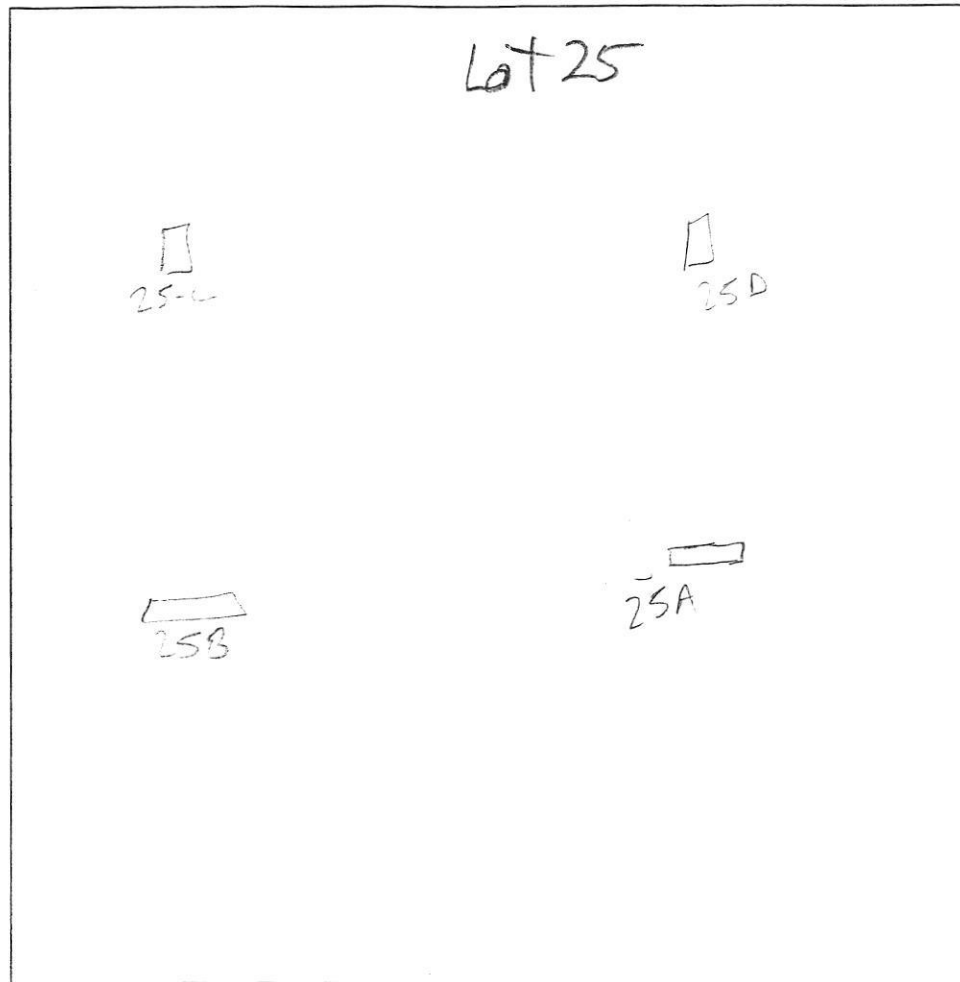
~1'

8'

brown right
concrete sl

~20% chert / coarse
sandy soil

~12' - brown yellow
sandy soil



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/18/07	25B	6.5 / 13'	3:00	3:12	3:32	20	P
	25A	8 / 14'	3:41	4:08	Stopped @	4:39	41" F

REMARKS _____

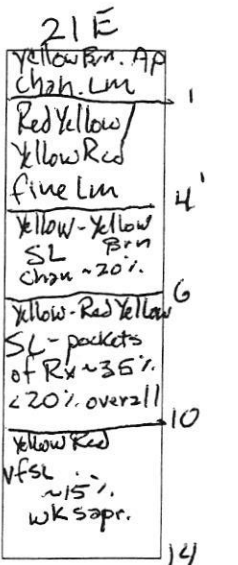
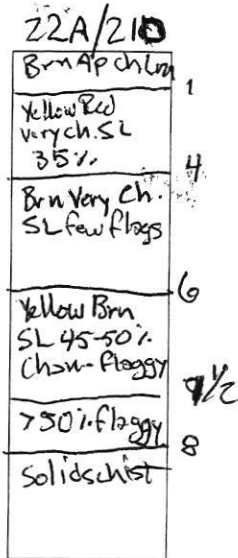
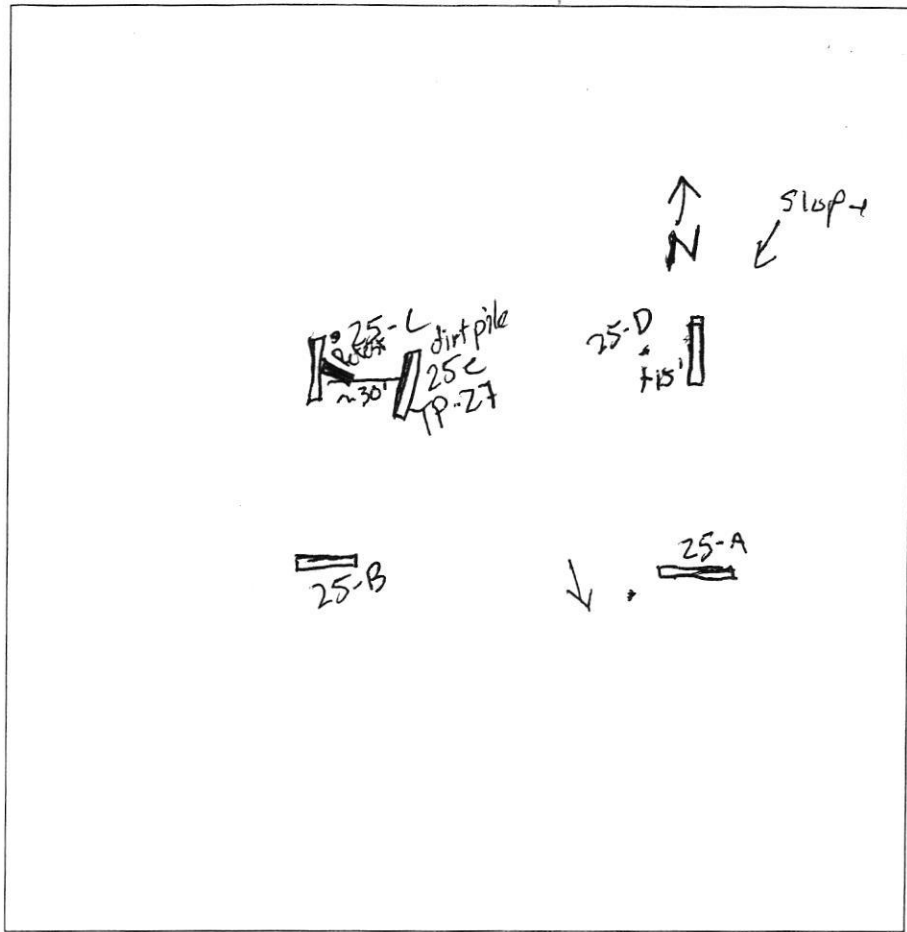
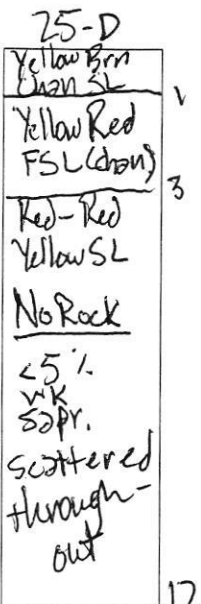
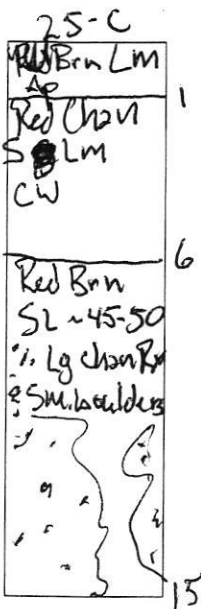
SANITARIAN GAC BACKHOE _____ OTHERS _____

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

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

Lots 23, 25 & 21

AVP _____



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/17/07	25-C	6 1/2 / 15	2:41	2:43	2:46	3m Hold for test	P
	25-D	4 / 12'	3:12	3:13	3:15	2m +	P
9/18	23-C	5 1/2 / 13	10:40	10:46	10:52	6m	P
	22A/21-D	3 1/2 / 8	11:33	11:39	11:53	14	MP see Profile
ok @ 4'	→ 21-E	4 1/2 / 14	12:33	12:35	12:38	3m	P
9/18	25-C	8'	4:09		4:11	< 1m per	Repair
	25-C	8'	00:00	00:40	01:30	50s	F

REMARKS _____

SANITARIAN GAC BACKHOE _____ OTHERS _____

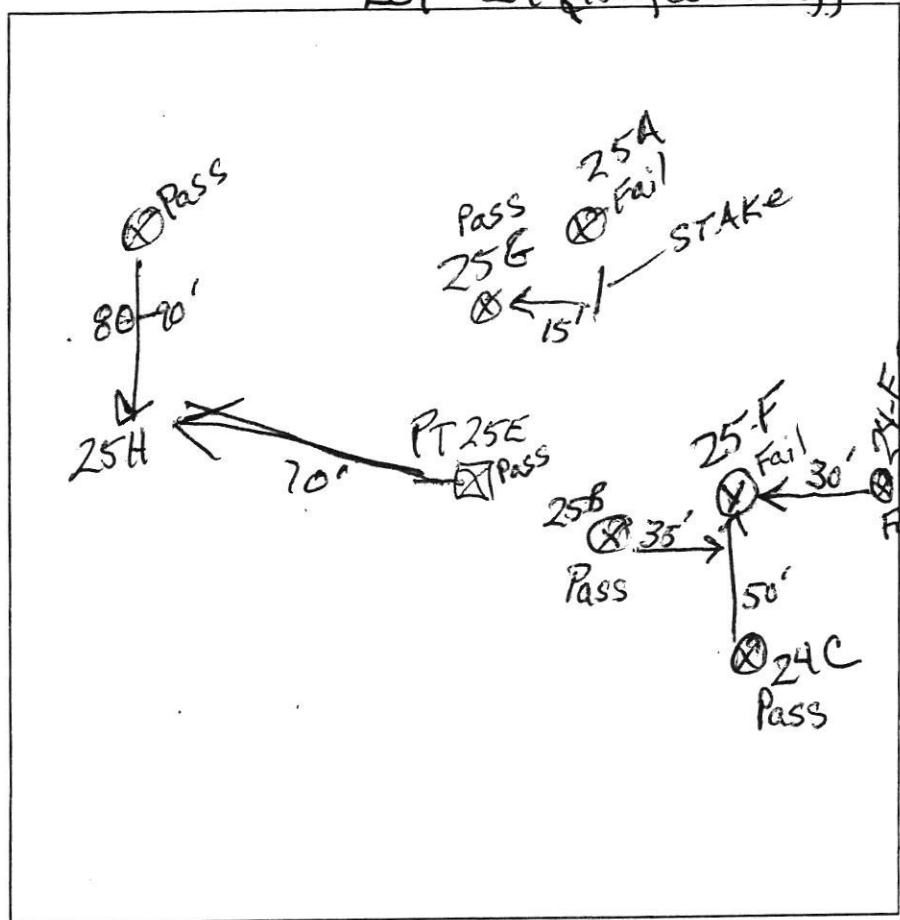
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

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

Lot 24 (#25, combining)

A/P

25H
brn sl
red brn fsl
5' red brn ch fsl 20%
15' 40% flag a stone red brn sl
13'



25F
0.4' brn sl 2fslk
1.5' brn sl 3msbk
3.5' yel-brn fsl dense, 0m
6.5' brn fsl heavy 10% channers
12' brn ch fsl 25% pale brn ch sl 25% shale 1 plags
12.5' red black coatings

25G
1' brn 1s sbk
1' red-brn heavy sl 15% channers
5.5' red-brn fsl 30% channers
9' red-brn vch sl 35-40%
12' lt. brn vch fsl
13'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/21/07	25F	22 1/2'	0	< 1" @ 20 min		pulled	F
9/21/07	25G	5.9' / 13'	10:43	10:57	11:25	28	P
9/21/07	25H	6.5' / 13'	0	6:00	18:	12	P
9/18/07	24E	2.7' / 12'	9:44	9:59		pulled movement of only 1/4"	F

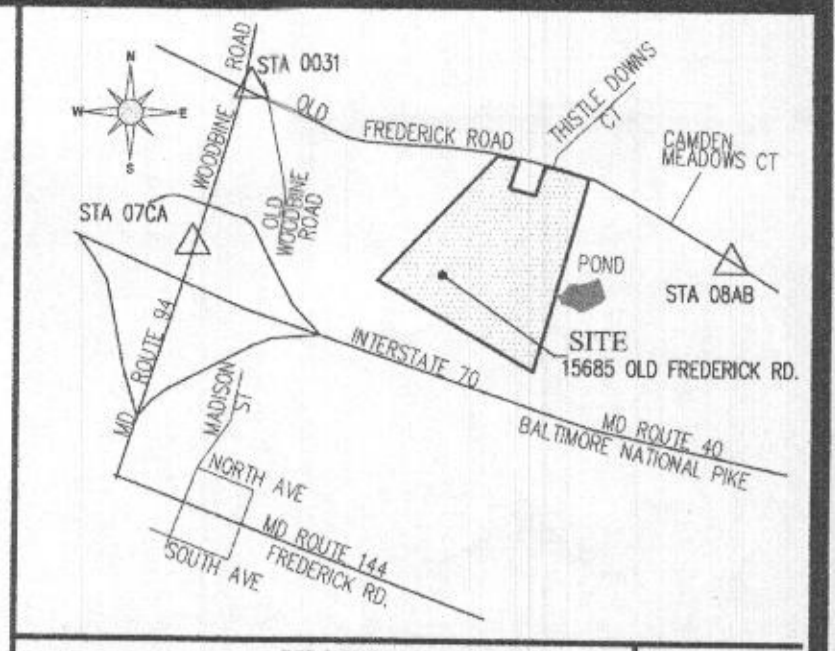
24E
1' brn sl, 3msbk
1' brn sl, 2msbk
3' red-brn fsl 1fpl
6' brn & red saprolite chusies fsl
12' dk. brn vst fsl 15% channers
14' black, black stone

REMARKS _____

SANITARIAN RB/HS BACKHOE Jeff OTHERS Matt Mitchell, Elizabeth, Michael

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

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



VICINITY MAP
SCALE: 1" = 2,000'

ADD MAP: 4
GRID: C4 & C5

SOIL	NAME	CLASS
GgA	Glenly loam, 0 to 3 percent slopes	B
GgB	Glenly loam, 3 to 8 percent slopes	B
GgC	Glenly loam, 8 to 15 percent slopes	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C
McC	Manor loam, 8 to 15 percent slopes	B

SOILS DELINEATION LINE

LEGEND

- 430 - EXISTING CONTOUR
- 430 - PROPOSED 2-FT CONTOUR
- FB - 100 YEAR FLOODPLAIN
- SB - STREAM BUFFER
- WB - 25' WETLAND BUFFER
- EXISTING WETLANDS
- EXISTING FOREST CONSERVATION EASEMENT
- PROPOSED 1,500 S.F. WELL BOX LOCATION
- PROPOSED PRIVATE SEWAGE DISPOSAL AREA
- PT-1 - PERCOLATION TEST PIT BEING WET-SEASON TESTING & WATER TABLE OBSERVATION BY HEALTH DEPARTMENT (SP-08-013)
- PT-2 - PERCOLATION TEST PIT FAILED BY HEALTH DEPARTMENT (2007, SP-08-013)
- PT-3 - PERCOLATION TEST PIT PASSED BY HEALTH DEPARTMENT (2007, SP-08-013)
- SLOPES 25% AND STEEPER

- NOTES**
- THIS AREA SHOWN WITH Hatched Pattern DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL FOR LOTS CREATED PRIOR TO MARCH OF 1972. IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
 - TOTAL AREA OF THIS PROPERTY (TAX PARCEL 0002) IS 58.77± ACRES.
 - SEE PLAT 23628-23628 FOR PROPERTY BOUNDARY DESCRIPTION.
 - THIS PROPERTY IS ZONED RC-DEO AND IS UNDER AN EXISTING AGRICULTURAL LAND PRESERVATION EASEMENT (A0-18-01-1) AND HAS HISTORIC STRUCTURES (H0-980).
 - EXISTING TOPOGRAPHY IS FROM AERIAL TOPOGRAPHY PREPARED BY MCKENZIE SVINER, INC. ON MAY 15, 2007.
 - EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
 - THE EXISTING WELL (FOR EX. HOUSE TO BE RAZED) SHALL BE PROPERLY ABANDONED AND THE ORIGINAL MULTI-SHEET WELL ABANDONMENT REPORT RECEIVED BY THE HEALTH DEPARTMENT PRIOR TO BUILDING PERMIT APPROVAL FOR THE NEW RESIDENCE.
 - THE NEW WELL FOR NEW MAIN HOUSE SHALL BE DRILLED AND THE WELL COMPLETION REPORT APPROVED BY THE HEALTH DEPARTMENT PRIOR TO BUILDING PERMIT APPROVAL.
 - ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - THE EXISTING SEPTIC SYSTEM MUST BE PUMPED DRY AND PROPERLY ABANDONED. A REPORT OF THE ABANDONMENT, INCLUDING A COPY OF THE SCRAWNER INVOICE, MUST BE SUBMITTED TO THE HEALTH DEPARTMENT PRIOR TO BUILDING PERMIT APPROVAL FOR THE NEW RESIDENCE.

THE PURPOSES FOR THIS REVISED PERCOLATION CERTIFICATION PLAN IS:

- TO ESTABLISH A NEW SEWAGE DISPOSAL AREA FOR NEW MAIN HOUSE ON THIS PARCEL.
- TO ESTABLISH A NEW WELL BOX FOR NEW MAIN HOUSE ON THIS PARCEL.

SCALE	ZONING	G. L. W. FILE NO.
1" = 50'	RC-DEO	21020
DATE	TAX MAP - GRID	SHEET
JUNE 2021	8-1	1 OF 2

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS

[Signature] 2/2/21
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT.

GLW
PLANNING | ENGINEERING | SURVEYING

3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20886 | GLWPA.COM
PHONE: 301-421-4024 | BALT: 410-880-1820 | DC&VA: 301-989-2624 | FAX: 301-421-4186

DESIGNED BY:	mbt		
DRAWN BY:	ktp		
CHECKED BY:	ckg		
DATE	REVISION	BY	APP'R

PREPARED FOR:	PROFESSIONAL CERTIFICATION
BRIAN WYNNE 2065 HIGHWAY A1A UNIT 1201 INDIAN HARBOR BEACH, FLORIDA 32937 wynnebricn65@gmail.com	I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12975. EXPIRATION DATE: MAY 26, 2022

REVISED PERCOLATION CERTIFICATION PLAN

WYNNE PROPERTY
TAX PARCEL 2 (15685 OLD FREDERICK ROAD)
PLAT No. 23626-23628

ELECTION DISTRICT No. 4

HOWARD COUNTY, MARYLAND



TEST PT	ELEV	TEST PT	ELEV	TEST PT	ELEV
PT 1A	571.81	PT 15A	581.05	TP 28	577.25
PT 1B	571.86	PT 15B/15A	581.24	TP 29	574.92
PT 1C	570.39	PT 15C	577.21	TP 30	574.72
PT 1D	570.02	PT 15D	580.07	TP 31	588.47
PT 1E/2E	572.29	TP 15E	579.29	TP 32	574.92
TP 1	576.73	TP 15F	584.16	TP 33	599.18
PT 2A	568.98	PT 15G	591.26	TP 34/35	597.65
PT 2B/2C	568.80	PT 15H	583.16	TP 36/37	574.72
PT 2D/2A	567.19	PT 15I	587.87	TP 37/38	588.38
PT 2E/2B	568.00	PT 15J	587.82	TP 38/39	589.00
PT 2F/2A	568.84	PT 15K	583.16	TP 39	574.92
PT 2G/2A	568.84	PT 15L	588.89	TP 40	575.05
PT 3A	570.31	PT 15M	588.87	TP 41	574.72
PT 3B	569.24	PT 15N	584.04	TP 42	582.78
PT 3C	567.29	PT 15O	584.53	TP 43	575.05
PT 3D	569.20	PT 15P	581.26	TP 44	582.78
PT 3E	569.20	PT 15Q	581.26	TP 45	582.78
PT 3F	569.20	PT 15R	581.26	TP 46	582.78
PT 3G	569.20	PT 15S	581.26	TP 47	582.78
PT 3H	569.20	PT 15T	581.26	TP 48	582.78
PT 3I	569.20	PT 15U	581.26	TP 49	582.78
PT 3J	569.20	PT 15V	581.26	TP 50	582.78
PT 3K	569.20	PT 15W	581.26	TP 51	582.78
PT 3L	569.20	PT 15X	581.26	TP 52	582.78
PT 3M	569.20	PT 15Y	581.26	TP 53	582.78
PT 3N	569.20	PT 15Z	581.26	TP 54	582.78
PT 3O	569.20	PT 15AA	581.26	TP 55	582.78
PT 3P	569.20	PT 15AB	581.26	TP 56	582.78
PT 3Q	569.20	PT 15AC	581.26	TP 57	582.78
PT 3R	569.20	PT 15AD	581.26	TP 58	582.78
PT 3S	569.20	PT 15AE	581.26	TP 59	582.78
PT 3T	569.20	PT 15AF	581.26	TP 60	582.78
PT 3U	569.20	PT 15AG	581.26	TP 61	582.78
PT 3V	569.20	PT 15AH	581.26	TP 62	582.78
PT 3W	569.20	PT 15AI	581.26	TP 63	582.78
PT 3X	569.20	PT 15AJ	581.26	TP 64	582.78
PT 3Y	569.20	PT 15AK	581.26	TP 65	582.78
PT 3Z	569.20	PT 15AL	581.26	TP 66	582.78
PT 3AA	569.20	PT 15AM	581.26	TP 67	582.78
PT 3AB	569.20	PT 15AN	581.26	TP 68	582.78
PT 3AC	569.20	PT 15AO	581.26	TP 69	582.78
PT 3AD	569.20	PT 15AP	581.26	TP 70	582.78
PT 3AE	569.20	PT 15AQ	581.26	TP 71	582.78
PT 3AF	569.20	PT 15AR	581.26	TP 72	582.78
PT 3AG	569.20	PT 15AS	581.26	TP 73	582.78
PT 3AH	569.20	PT 15AT	581.26	TP 74	582.78
PT 3AI	569.20	PT 15AU	581.26	TP 75	582.78
PT 3AJ	569.20	PT 15AV	581.26	TP 76	582.78
PT 3AK	569.20	PT 15AW	581.26	TP 77	582.78
PT 3AL	569.20	PT 15AX	581.26	TP 78	582.78
PT 3AM	569.20	PT 15AY	581.26	TP 79	582.78
PT 3AN	569.20	PT 15AZ	581.26	TP 80	582.78
PT 3AO	569.20	PT 15BA	581.26	TP 81	582.78
PT 3AP	569.20	PT 15BB	581.26	TP 82	582.78
PT 3AQ	569.20	PT 15BC	581.26	TP 83	582.78
PT 3AR	569.20	PT 15BD	581.26	TP 84	582.78
PT 3AS	569.20	PT 15BE	581.26	TP 85	582.78
PT 3AT	569.20	PT 15BF	581.26	TP 86	582.78
PT 3AU	569.20	PT 15BG	581.26	TP 87	582.78
PT 3AV	569.20	PT 15BH	581.26	TP 88	582.78
PT 3AW	569.20	PT 15BI	581.26	TP 89	582.78
PT 3AX	569.20	PT 15BJ	581.26	TP 90	582.78
PT 3AY	569.20	PT 15BK	581.26	TP 91	582.78
PT 3AZ	569.20	PT 15BL	581.26	TP 92	582.78
PT 3BA	569.20	PT 15BM	581.26	TP 93	582.78
PT 3BB	569.20	PT 15BN	581.26	TP 94	582.78
PT 3BC	569.20	PT 15BO	581.26	TP 95	582.78
PT 3BD	569.20	PT 15BP	581.26	TP 96	582.78
PT 3BE	569.20	PT 15BQ	581.26	TP 97	582.78
PT 3BF	569.20	PT 15BR	581.26	TP 98	582.78
PT 3BG	569.20	PT 15BS	581.26	TP 99	582.78
PT 3BH	569.20	PT 15BT	581.26	TP 100	582.78

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. *[Signature]* 7/2/21

GLW
 PLANNING | ENGINEERING | SURVEYING
 3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20886 | GLWPA.COM
 PHONE: 301-421-4024 | BALT: 410-880-1820 | DC&VA: 301-989-2524 | FAX: 301-421-4188

DESIGNED BY:	DATE	REVISION	BY	APP'R.
mbt				
DRAWN BY:				
ktp				
CHECKED BY:				
ckg				

PREPARED FOR:
 OWNER: BRIAN WYNNE
 2065 HIGHWAY 47A UNIT 1201
 INDIAN HARBOR BEACH,
 FLORIDA 32937
 wynnebrian5@gmail.com

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS
 WERE PREPARED OR APPROVED BY
 ME, AND THAT I AM A DULY LICENSED
 PROFESSIONAL ENGINEER UNDER THE
 LAWS OF THE STATE OF MARYLAND,
 LICENSE NO. 12875
 EXPIRATION DATE: MAY 26, 2022
 6/25/21



REVISED PERCOLATION CERTIFICATION PLAN
WYNNE PROPERTY
 TAX PARCEL 2 (15685 OLD FREDERICK ROAD)
 PLAT No. 23626-23628
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1" = 100'	RC-DEO	21020
DATE	TAX MAP - GRID	SHEET
JUNE 2021	8-1	2 OF 2



VICINITY MAP
SCALE: 1" = 2,000'
ADC MAP: 4
GRID: C4 & C5

SOILS LEGEND		
SOIL	NAME	CLASS
GgA	Glenieg loam, 0 to 3 percent slopes	B
GgB	Glenieg loam, 3 to 8 percent slopes	B
GgC	Glenieg loam, 8 to 15 percent slopes	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C
MaC	Morley loam, 8 to 15 percent slopes	B

LEGEND	
430	EXISTING CONTOUR
430	PROPOSED 2'-1" CONTOUR
FB	100 YEAR FLOODPLAIN
SB	STREAM BUFFER
WB	25' WETLAND BUFFER
(Pattern)	EXISTING WETLANDS
(Pattern)	EXISTING FOREST CONSERVATION EASEMENT
(Symbol)	1,500 S.F. WELL BOX LOCATION
(Pattern)	PRIVATE SEWAGE DISPOSAL AREA
PT-#	PERCOLATION TEST PIT (REQUIRING WET-SEASON TESTING & WATER TABLE OBSERVATION BY HEALTH DEPARTMENT (SP-08-03))
PT-#	PERCOLATION TEST PIT FAILED BY HEALTH DEPARTMENT (2007, SP-08-03)
PT-#	PERCOLATION TEST PIT PASSED BY HEALTH DEPARTMENT (2007, SP-08-03)
21-#	PERCOLATION TEST HOLES PASSED BY THE HEALTH DEPARTMENT (2021-09)
21-#	PERCOLATION TEST HOLES FAILED BY THE HEALTH DEPARTMENT (2021-09)
(Symbol)	SLOPES 25% AND STEEPER

NOTES

- THIS AREA SHOWN WITH [Pattern] DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH OF 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDED OF A MODIFIED SEWERAGE AREA SHALL NOT BE NECESSARY.
- TOTAL AREA OF THIS PROPERTY (TAX PARCEL 0002) IS 58.774 ACRES.
- SEE PLAT 23528-23628 FOR PROPERTY BOUNDARY DESCRIPTION.
- THIS PROPERTY IS ZONED RC-3FD AND IS UNDER AN EXISTING AGRICULTURAL LAND PRESERVATION EASEMENT (10-16-01-C) AND HAS A HISTORIC STRUCTURE (the barn in 10-980) TO REMAIN.
- EXISTING TOPOGRAPHY IS FROM AERIAL TOPOGRAPHY PREPARED BY MCKENZIE SNEYDER, INC. ON MAY 15, 2007.
- EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPOSED IMPROVEMENTS AND THOSE 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.

THE PURPOSES FOR THIS REVISED PERCOLATION CERTIFICATION PLAN IS:

- TO ESTABLISH A NEW SEWAGE DISPOSAL AREA FOR NEW TENANT HOUSE ON THIS PARCEL.
- TO ESTABLISH A NEW WELL BOX FOR NEW TENANT HOUSE ON THIS PARCEL.

SCALE	ZONING	G. L. W. FILE No.
1" = 50'	RC-DEO	21020
DATE	TAX MAP - GRID	SHEET
OCT. 2021	8-1	1 OF 2



APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT.
 DATE: 11/3/21

GLW
 PLANNING | ENGINEERING | SURVEYING
 3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20866 | GLWPA.COM
 PHONE: 301-421-4024 | BALT: 410-680-1820 | DC/VA: 301-869-2524 | FAX: 301-421-4186

DESIGNED BY:	mbt		
DRAWN BY:	kjp		
CHECKED BY:	ckg		
DATE	REVISION	BY	APP'R

PREPARED FOR:
 OWNER:
 BRIAN WYNNE
 2065 HIGHWAY 41A UNIT 1201
 INDIAN HARBOUR BEACH,
 FLORIDA 32937
 bryanmar1965@gmail.com

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12275.
 EXPIRATION DATE: MAY 26, 2022
 10/18/21

REVISED PERCOLATION CERTIFICATION PLAN
WYNNE PROPERTY
TAX PARCEL 2
 15683 Old Frederick Road and 15685 Old Frederick Road
 PLAT No. 23626-23628
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND



TEST PIT	ELEV	TEST PIT	ELEV	TEST PIT	ELEV
PT 1A	571.50	PT 15A	581.00	PT 29	571.25
PT 1B	571.45	PT 15B	580.50	PT 30	571.20
PT 1C	571.40	PT 15C	580.00	PT 31	571.15
PT 1D	571.35	PT 15D	579.50	PT 32	571.10
PT 1E	571.30	PT 15E	579.00	PT 33	571.05
PT 1F	571.25	PT 15F	578.50	PT 34	571.00
PT 1G	571.20	PT 15G	578.00	PT 35	570.95
PT 1H	571.15	PT 15H	577.50	PT 36	570.90
PT 1I	571.10	PT 15I	577.00	PT 37	570.85
PT 1J	571.05	PT 15J	576.50	PT 38	570.80
PT 1K	571.00	PT 15K	576.00	PT 39	570.75
PT 1L	570.95	PT 15L	575.50	PT 40	570.70
PT 1M	570.90	PT 15M	575.00	PT 41	570.65
PT 1N	570.85	PT 15N	574.50	PT 42	570.60
PT 1O	570.80	PT 15O	574.00	PT 43	570.55
PT 1P	570.75	PT 15P	573.50	PT 44	570.50
PT 1Q	570.70	PT 15Q	573.00	PT 45	570.45
PT 1R	570.65	PT 15R	572.50	PT 46	570.40
PT 1S	570.60	PT 15S	572.00	PT 47	570.35
PT 1T	570.55	PT 15T	571.50	PT 48	570.30
PT 1U	570.50	PT 15U	571.00	PT 49	570.25
PT 1V	570.45	PT 15V	570.50	PT 50	570.20
PT 1W	570.40	PT 15W	570.00	PT 51	570.15
PT 1X	570.35	PT 15X	569.50	PT 52	570.10
PT 1Y	570.30	PT 15Y	569.00	PT 53	570.05
PT 1Z	570.25	PT 15Z	568.50	PT 54	570.00
PT 2A	570.20	PT 16A	568.00	PT 55	569.95
PT 2B	570.15	PT 16B	567.50	PT 56	569.90
PT 2C	570.10	PT 16C	567.00	PT 57	569.85
PT 2D	570.05	PT 16D	566.50	PT 58	569.80
PT 2E	570.00	PT 16E	566.00	PT 59	569.75
PT 2F	569.95	PT 16F	565.50	PT 60	569.70
PT 2G	569.90	PT 16G	565.00	PT 61	569.65
PT 2H	569.85	PT 16H	564.50	PT 62	569.60
PT 2I	569.80	PT 16I	564.00	PT 63	569.55
PT 2J	569.75	PT 16J	563.50	PT 64	569.50
PT 2K	569.70	PT 16K	563.00	PT 65	569.45
PT 2L	569.65	PT 16L	562.50	PT 66	569.40
PT 2M	569.60	PT 16M	562.00	PT 67	569.35
PT 2N	569.55	PT 16N	561.50	PT 68	569.30
PT 2O	569.50	PT 16O	561.00	PT 69	569.25
PT 2P	569.45	PT 16P	560.50	PT 70	569.20
PT 2Q	569.40	PT 16Q	560.00	PT 71	569.15
PT 2R	569.35	PT 16R	559.50	PT 72	569.10
PT 2S	569.30	PT 16S	559.00	PT 73	569.05
PT 2T	569.25	PT 16T	558.50	PT 74	569.00
PT 2U	569.20	PT 16U	558.00	PT 75	568.95
PT 2V	569.15	PT 16V	557.50	PT 76	568.90
PT 2W	569.10	PT 16W	557.00	PT 77	568.85
PT 2X	569.05	PT 16X	556.50	PT 78	568.80
PT 2Y	569.00	PT 16Y	556.00	PT 79	568.75
PT 2Z	568.95	PT 16Z	555.50	PT 80	568.70
PT 3A	568.90	PT 17A	555.00	PT 81	568.65
PT 3B	568.85	PT 17B	554.50	PT 82	568.60
PT 3C	568.80	PT 17C	554.00	PT 83	568.55
PT 3D	568.75	PT 17D	553.50	PT 84	568.50
PT 3E	568.70	PT 17E	553.00	PT 85	568.45
PT 3F	568.65	PT 17F	552.50	PT 86	568.40
PT 3G	568.60	PT 17G	552.00	PT 87	568.35
PT 3H	568.55	PT 17H	551.50	PT 88	568.30
PT 3I	568.50	PT 17I	551.00	PT 89	568.25
PT 3J	568.45	PT 17J	550.50	PT 90	568.20
PT 3K	568.40	PT 17K	550.00	PT 91	568.15
PT 3L	568.35	PT 17L	549.50	PT 92	568.10
PT 3M	568.30	PT 17M	549.00	PT 93	568.05
PT 3N	568.25	PT 17N	548.50	PT 94	568.00
PT 3O	568.20	PT 17O	548.00	PT 95	567.95
PT 3P	568.15	PT 17P	547.50	PT 96	567.90
PT 3Q	568.10	PT 17Q	547.00	PT 97	567.85
PT 3R	568.05	PT 17R	546.50	PT 98	567.80
PT 3S	568.00	PT 17S	546.00	PT 99	567.75
PT 3T	567.95	PT 17T	545.50	PT 100	567.70

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. *[Signature]* DATE 11/2/21

GLW
 PLANNING | ENGINEERING | SURVEYING
 3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20866 | GLWPA.COM
 PHONE: 301-421-4024 | BALT: 410-880-1820 | DC&VA: 301-989-2624 | FAX: 301-421-4186

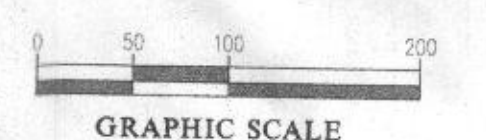
DESIGNED BY:	mbt		
DRAWN BY:	klp		
CHECKED BY:	ckg		
DATE	REVISION	BY	APPR.

PREPARED FOR:
 OWNER
 BRIAN WYNE
 2065 HIGHWAY A1A UNIT 1201
 MOGAN HARBOUR BEACH,
 FLORIDA 32937
 wynebr@comcast.net

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12927.
 EXPIRATION DATE: MAY 28, 2022
 10/18/21



REVISED PERCOLATION CERTIFICATION PLAN
WYNNE PROPERTY
 TAX PARCEL 2
 15683 Old Frederick Road and 15685 Old Frederick Road
 PLAT No. 23626-23628
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND



SCALE	ZONING	G. L. W. FILE No.
1" = 100'	RC-DEO	21020
DATE	TAX MAP - GRID	SHEET
OCT. 2021	8-1	2 OF 2