

# APPLICATION

PERCOLATION TESTING

A 50225U

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Mario Mannarell

ADDRESS c/o Land Des + Development  
12805 Hickory Ridge Rd PHONE 740-2100

AGENT OR PROSPECTIVE BUYER Mara Reich

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Vineyards at Cattail Creek LOT NO. 1819

ROAD AND DESCRIPTION Route 97

TAX MAP 21 PARCEL # 2,132,220 + 211

SIZE OF LOT 1 ± acres TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Mara Reich  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # Vineyards at CC SP-916-11 DATE 2/28/96

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

A50225U  
COUNTY #

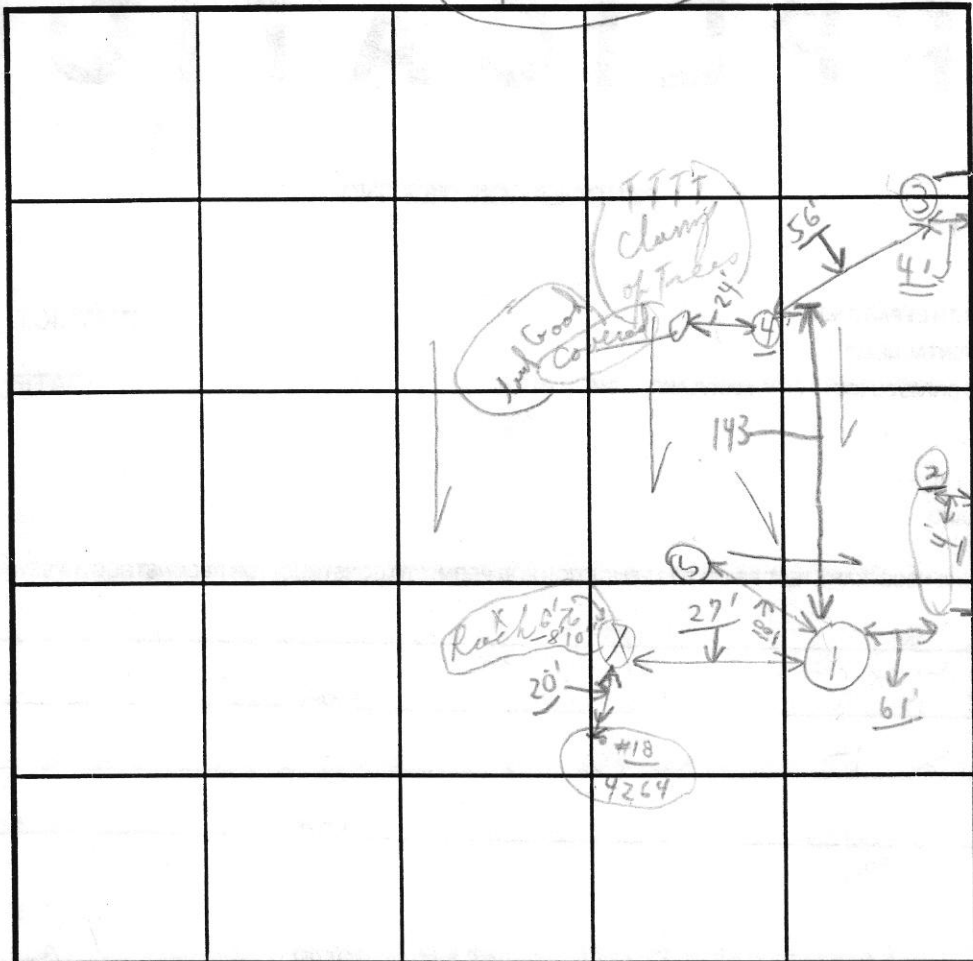
Now #19

SOIL PROFILE  
LOT 10

SOIL PROFILE

0'

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/8/94	X(1)A	X5' 2"	1:45	1:49	1:49	2:20	3/4" XXX
Thurs	= No scat	X10' →	"Water"	@ 10'	X	(Add) X	
	✓(2)A	5 1/2'	1:48	1:54	1:54	2:20	26 min
	= No scat	9'-9"	LOGM	(?)	Hold for wet		
	③	4'-10"	2:03	2:04	2:04	2:07	3 min
	= No scat	10'	LOGM				
	✓(4)	4 1/2' 11'	2:01	2:03	2:03	2:05	2 min 5' stick
	= No scat	10 1/2'	DRY	LOGM			
	⑤	6' 4"	2:25	2:27	2:27	2:35	8 min 6' stick
	-	11'	Dry	10% saturation	90%		

REMARKS: Tests in open pasture towards fence  
 TYPE OF SOIL: see above  
 TESTED BY: C. B. ... ALSO PRESENT: {same as 9/7 test}  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

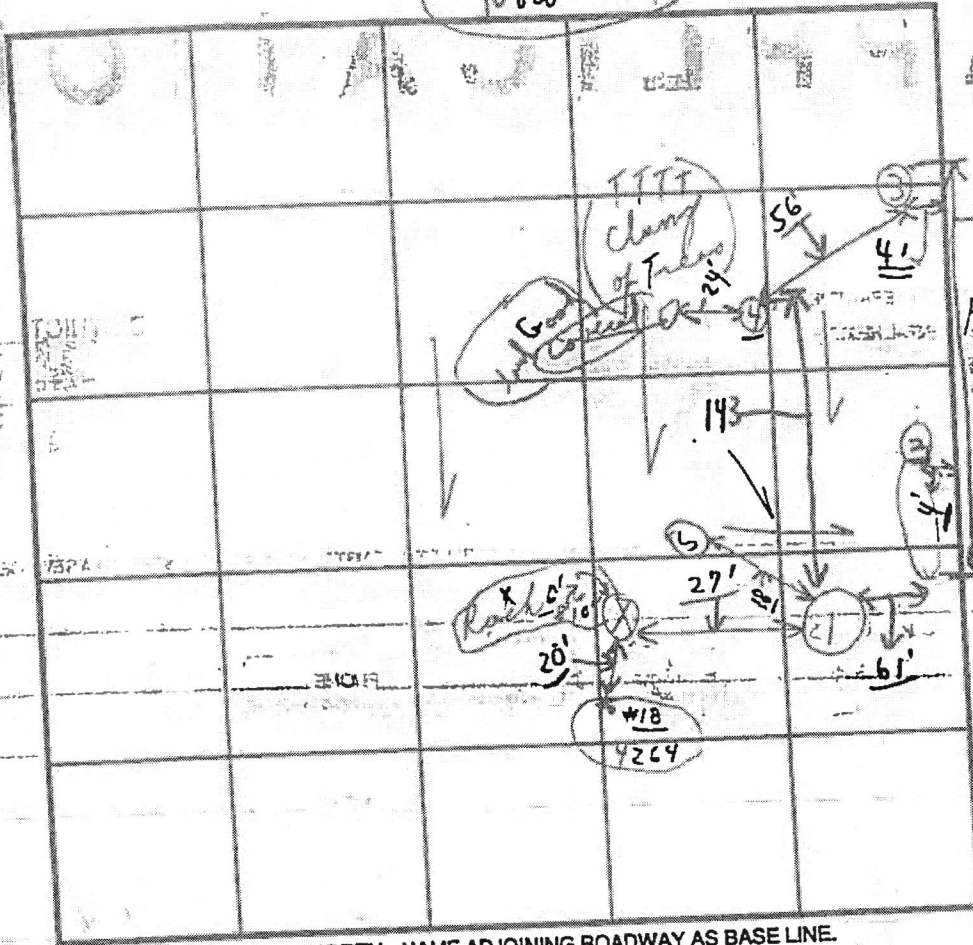
(61 MON)

02254  
COUNTY #

SOIL PROFILE  
LOT 18

(Now " 11 )

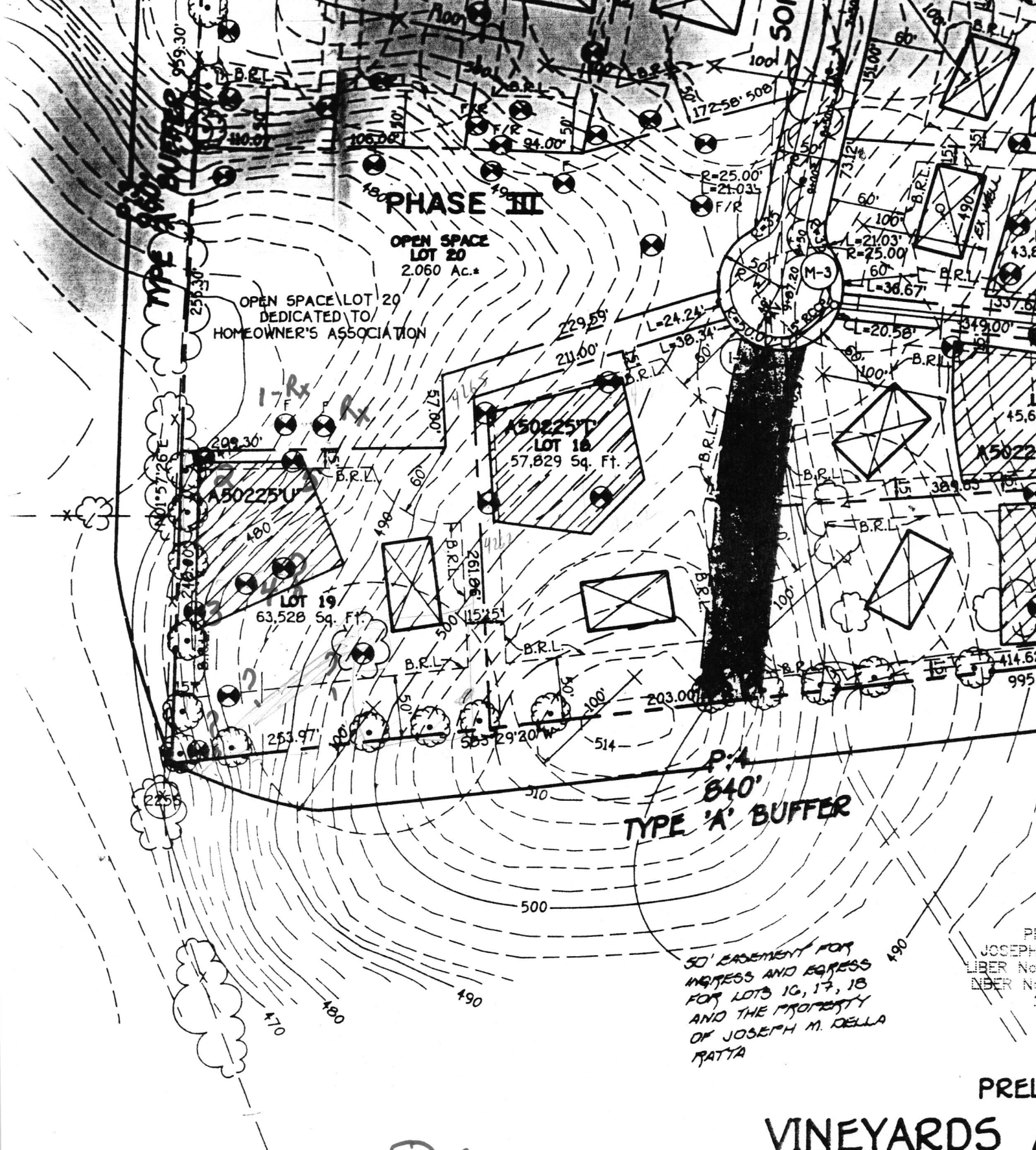
SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/8/94	X(1A)	X 5' 2"	1:45	1:49	1:49	2:20 3/4" XXX	
Thurs.	# No sketch	X 10' →	"Water" @ 10'		LOAM	Hold for sketch	
	✓(2A)	5 1/2'	1:48	1:54	1:54	2:20	26 min
	# No sketch	9'-9"	dry (?)		Hold for sketch		
	✓(3)	4'-10"	2:03	2:04	2:04	2:07	3 min
	# No sketch	10'	LOAM				
	✓(4)	4 1/2' 9'	2:01	2:03	2:03	2:05	2 min 5"
	# No sketch	10 1/2'	DRY		LOAM		
	-(5)	6' 4"	2:25	2:27	2:27	2:35	8 min 6"
		11'	dry		10% saturation	90%	500M

REMARKS: Tests in open fracture towards fence  
 TYPE OF SOIL: see above  
 TESTED BY: C. B. D. ALSO PRESENT: { same as 9/7/94  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: \_\_\_\_\_ TRENCH WIDTH: \_\_\_\_\_  
 INLET DEPTH: \_\_\_\_\_ MAXIMUM BOTTOM DEPTH: 61 MON SQ. FT./BEDROOM: \_\_\_\_\_



SP-96-11

**DEVELOPER**  
 DELLA, SR.  
 DELLA, JR.  
 CIRCLE  
 WYLAND 21043

**PRELIMINARY**  
**VINEYARDS A**  
 LOTS 1 thru 35 &  
 (A RESUBDIVISION OF LOTS 1,  
 (PLAT No. 11776), LOT  
 AND PROPERTY OF MA  
 ZON  
 TAX MAP No. 21 PARCEL N  
 FOURTH ELECTION DISTRICT

50' EASEMENT FOR  
 INGRESS AND EGRESS  
 FOR LOTS 16, 17, 18  
 AND THE PROPERTY  
 OF JOSEPH M. DELLA  
 PATTA

PREPARED BY  
 JOSEPH M. DELLA  
 LIBER No. 21  
 LIBER No. 21









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

March 11, 2022

TO: Scott D Rardin, Applicant

RE: Vineyards at Cattail Creek Lots 29 and 30, Percolation test results and data

Dear Mr Rardin,

Percolation tests were conducted, as scheduled, at Vineyards at Cattail Creek Lots 29 and 30 on February 9, 2022. These tests were conducted as a continuation of an attempt to re-configure the SDA to accommodate desired residential designs. Several locations failed on February 9 due to the shallow rock layers and on March 2 follow-up percolation tests were conducted to define boundaries to the failed areas on both lots. The sewage disposal areas (SDA) are required to have at least 10,000 sq.ft. of suitable soils for wastewater treatment and disposal.


On February 9, five locations were dug at staked locations on each lot. Locations 5010, 5011, 5009 and 5008 on Lot 29 PASS and location 5007 on Lot 29 is a FAIL. Location 5007-A was added northeast of location 5007 and it too was a FAIL. On Lot 30, locations 5013, 5014, 5015, and 5016 PASS, and location 5012 is a FAIL.

On March 2, staked location 101 on Lot 29 was tested and is a PASS. Staked locations 102 and 103 on Lot 30 were also tested on March 2. Location 102 is a PASS. A rock shelf occurred at about 9.5-10 feet depth at the staked location for 103. Deeper soil was found 15 feet southwest, therefore location 103 is judged to be a PASS 15 feet southwest of the staked location.

The results and suitable areas for wastewater discharge are certified by the Approving Authority's signature of the Percolation Certification Plan Revision. After the Percolation Certification Plan Revision is signed by the Bureau of Environmental Health Director, the Health Department may consider review of Onsite Sewage Disposal System (OSDS) Design Plans and subsequent building permit proposals. Conditions related to the replacement of OSDS components and/or potential future building permit proposals may be described in the content of the Percolation Certification Plan Revision, usually as Notes.

If you have questions related to this report, you may reply to me via email, [rbricker@howardcountymd.gov](mailto:rbricker@howardcountymd.gov) , or call my desk, 410-313-2691.

Respectfully,



Robert Bricker, CPSS, REHS/RS, L.E.H.S.  
Environmental Sanitarian II  
Well and Septic Program

Enclosures: Percolation Test Application and three (3) Field Worksheets

Copy: Tony Fertitta, Fisher, Collins & Carter, Inc.

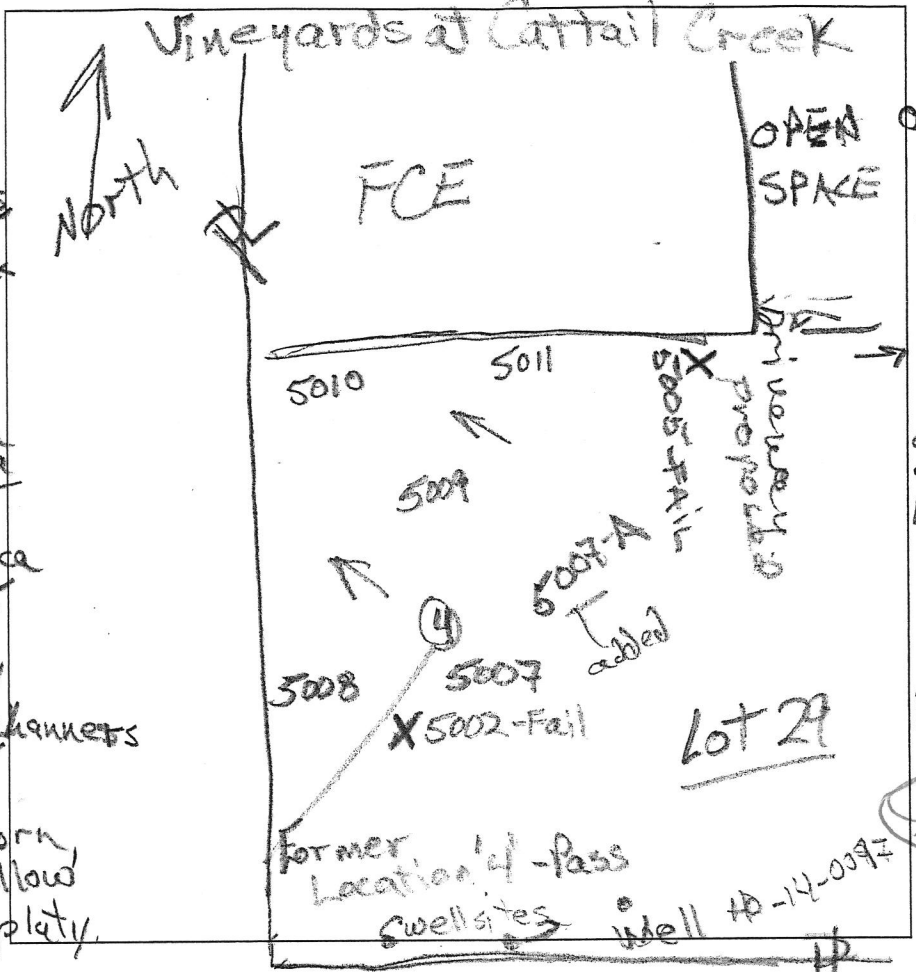
Robert Freeman, Environmental Sanitarian II, Well & septic Program

Jeffrey Williams, Supervisor, Well & Septic Program  
file



AP  
5010 (200)

brn L, 1msbk  
few mica  
few channers  
1.5  
brn cl, 2fslbk  
common mica  
few channers  
3'  
red-brn cl  
2fslbk, common mica  
4.6  
yel-red L  
2fslbk, few mica  
5.2  
yel-red fsl  
thick platy  
few mica  
few stones & channers  
6  
alternating  
layers of brn,  
dk. brn & yellow  
lfs, thin platy  
13'



(5009)  
dk brn L  
2fslbk  
0.5  
red-brn L,  
2fslbk  
3'  
red-brn  
grsl  
thick platy  
4'  
red grls  
thick platy  
gravel occurs  
in weathered  
bands of grey silt  
6'  
lens of  
lt. grey saprolite  
grsl with  
inclusions of  
red ls thick  
platy  
11'  
grey & brn  
vstls  
rock 50-60%  
12' - R

5011

brn L, 2fslbk  
1'  
brn L, 2fslbk  
few mica  
2'  
red-brn  
& yel-red L  
thick platy  
common mica  
3.5  
yel-red & brn  
fsl, thick  
platy  
many mica  
4.5  
red-yellow  
pale yellow  
lfs, platy  
m 2p (vok, brn)  
m 2p (vok, brn)  
m 2p (vok, brn)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/9/22	5010	8.5' 13'	11:23	11:25	11:29	4	P
2/9/22	5011	7.2' 12'	11:49:30	11:52:30	11:58	5.5	P
2/9/22	5009	8' 12'	12:19	—	12:20	repour	
	repour 5009	8' 12'	12:24	—	12:26	repour	
	repour 5009	8' 12'	12:26:30	12:28	12:29	reshelf	
	reshelf 5009	6.5' 11'	1:08:30	1:11:30	1:17	5.5	P
2/9/22	5008	6.7' 13'	1:27	1:28	1:31	3	P

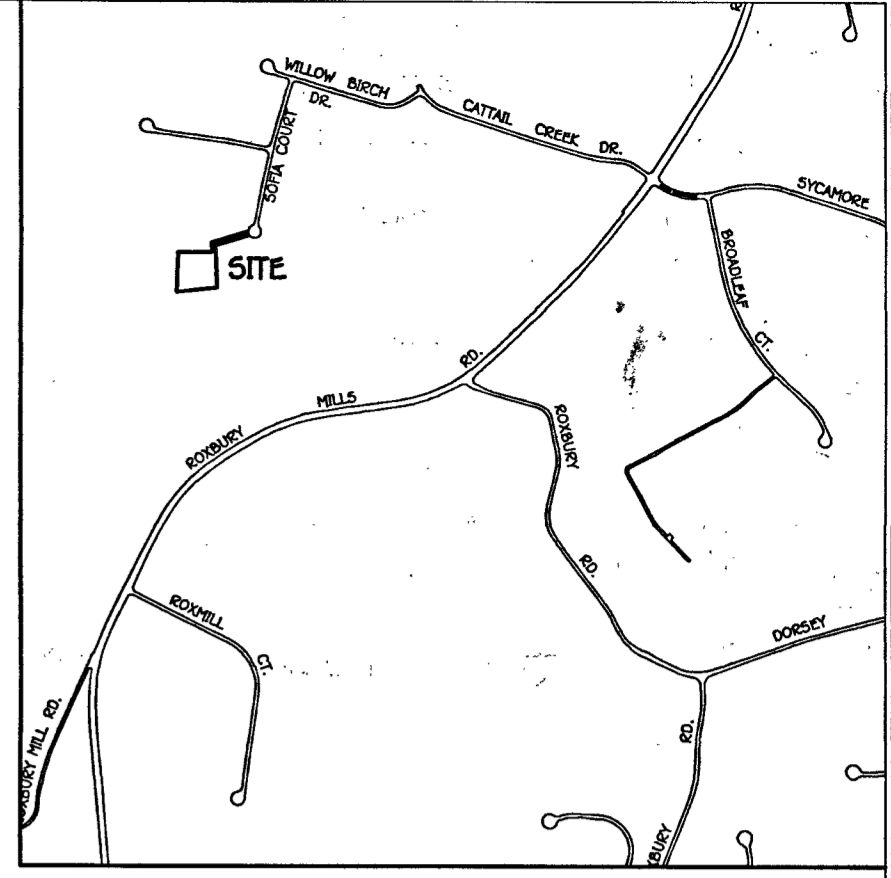
5008 (203)

thin layer  
brn L, 2fslbk  
0.3'  
red & brn fsl  
2fslbk,  
few gravel  
1'  
yel-red L  
2msbk  
4'  
yel-red fsl  
thick platy  
m 2p (vok, brn)  
m 2p (vok, brn)  
5'  
red & brn lfs  
thick platy  
m 2p (vok, brn)  
m 2p (vok, brn)

REMARKS Bottom of 5009 Determined to be rock during testing  
SANITARIAN R Bricker BACKHOE Fagle's OTHERS Tony Ferrita  
TEST HOLES USED IN SDA Jamie & Skip AVG. PERC TIME 248 SQ. FT/BR  
TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

- LEGEND**
- EXISTING 2' CONTOURS
  - EXISTING 10' CONTOURS
  - EXISTING TREE LINE
  - CL 32  
M C2 SOIL LINES AND TYPES
  - (W) DENOTES PROPOSED WELL
  - (W) DENOTES EXISTING WELL
  - (FO) DENOTES PREVIOUS FAILED PERC
  - (O) DENOTES PASSED PERC
  - (S) DENOTES 1500 SQ.FT. ALTERNATE WELL SITE
  - (S) DENOTES EXISTING SEPTIC AREA
  - (O) DENOTES FAILED PERC FROM 5/19/2020 AND 10/29/2020
  - (S) DENOTES NEW REVISED AREA 10,050 SQ.FT.
  - (P) DENOTES PROPOSED PERC

SOILS LEGEND		
SOIL	NAME	CLASS
G9B	GLENELG LOAM 3% TO 8% SLOPES	B
G9C	GLENELG LOAM 8% TO 15% SLOPES	B
MAD	MANOR LOAM 3% TO 8% SLOPES	B



**VICINITY MAP**  
SCALE: 1" = 1200'

**GENERAL NOTES:**

1. THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS 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 EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEWAGE DISPOSAL AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARIES AND ALL EXISTING OR PROPOSED WELLS LESS THAN 200' DOWN/GRADIENT OF A SEPTIC SYSTEM AND/OR SEPTIC EASEMENT.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN IS FIELD RUN BY FISHER, COLLINS & CARTER, INC ON OR ABOUT MAY, 2019 AND HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL.
7. BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
8. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
9. PLAT REFERENCE 14834 THRU 14837

THE PURPOSE OF THIS PERC RECERTIFICATION PLAN IS TO REVISE THE SEPTIC EASEMENT ON LOTS 29 AND 30 ADD ALTERNATE WELL LOCATION AND REVISED LOT LINES.



**FISHER, COLLINS & CARTER, INC.**  
LOYAL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21042  
(410) 461-2995

**OWNER/DEVELOPER**  
SCOTT D KARDIN  
8017 DORSEY RUN RD  
SUITE A1  
JESSUP, MARYLAND 20794

*Reviewed by James J 1/26 OC*

**PERC APPLICATION PLAN**  
**VINEYARDS AT CATTAIL CREEK**  
**LOT 29 AND 30**  
TAX MAP NO.: 21 GRID NO.: 8 PART OF PARCEL NO.: 225  
ZONED RC-DEO  
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=50' DATE: JANUARY 17, 2021

1330006303211\Engineering\Drawings\609884-Perc Plan.dwg, ECP PLAN, 1/17/2021 8:57:03 AM, 11

5010 200 8.5/13 11:23 11:25 11:27

1.5' brn c, 2 fssbk  
com mica, few channers

3' red-brn cl, 2 fssbk  
com mica

4.6' yel-red L, 2 fssbk  
few mica

5.2' yel-red fs, thick platy  
few mica. Few stones/channers

6' brn, dk brn & yellow  
alternating layers  
fs, thin platy

11:49:30 11:52:30 11:58

12' 11:23 11:25 11:27

1' brn L, 2 fssbk

2' mica

3.5' red-brn & yel-red  
L, thick platy, mica

4.5' yel-red & brn fs  
thick platy, many mica

red-yellow & pale yellow  
fs, platy  
mzp (v. dk. brn, mn)  
common mica

5009 8/12 12:19-12:20

0.5' dk brn L, 2 fssbk

3' red-brn L, 2 fssbk  
gs, platy

4' red gls, thick platy  
gravel occurs  
in bands of grey silt

6' lens of grey sapphire  
gs w/ inclusions of

11' red ls, thick platy  
grey rock > 50%

12' repair 12:24 12:26  
repair 12:26:30 12:28 12:29

SS 11:08:30 11:11:30 1:17

203 6.7/13 1:27 1:28 1:31

thin organic  
layer

0.3' brn L, 2 fssbk  
red & brn fs  
2 fssbk few gravel

4' yel-red L, 2 fssbk

5' yel-red sl thick platy  
mzp (v. dk. brn, mn)

6' red & brn fs thick  
mzp (mn) platy

5007

0.5' dk brn L, 1 fssbk

2.2' brn L, 2 fssbk, SS

4.5' yel-red gs  
thick platy

6' yel-red & brn  
s byls > 50%  
rock

7.5' brn v byls & ss & 50% - 60% rock

4' yel-red gs, thick platy  
few gravel

1.5' yel-red gs, thick platy

1.5' few mica

0.5' brn L, 2 fssbk, ss

0.5' dk grey-brn L  
2 fssbk

1:58

3.5/13

See 2005

**LEGEND**

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- CL B2  
MUSL SOIL LINES AND TYPES
- ⊙ DENOTES PROPOSED WELL
- ⊙ DENOTES EXISTING WELL
- ⊙ DENOTES PREVIOUS FAILED PERC
- ⊙ DENOTES PASSED PERC FROM 9/8/1994
- ⊙ DENOTES EXISTING SEPTIC AREA
- ⊙ DENOTES FAILED PERC FROM 5/19/2020 AND 10/29/2020
- ⊙ DENOTES NEW REVISED AREA
- Δ DENOTES PASSED PERC 2/9/2022
- Δ DENOTES FAILED PERC FROM 2/9/2022

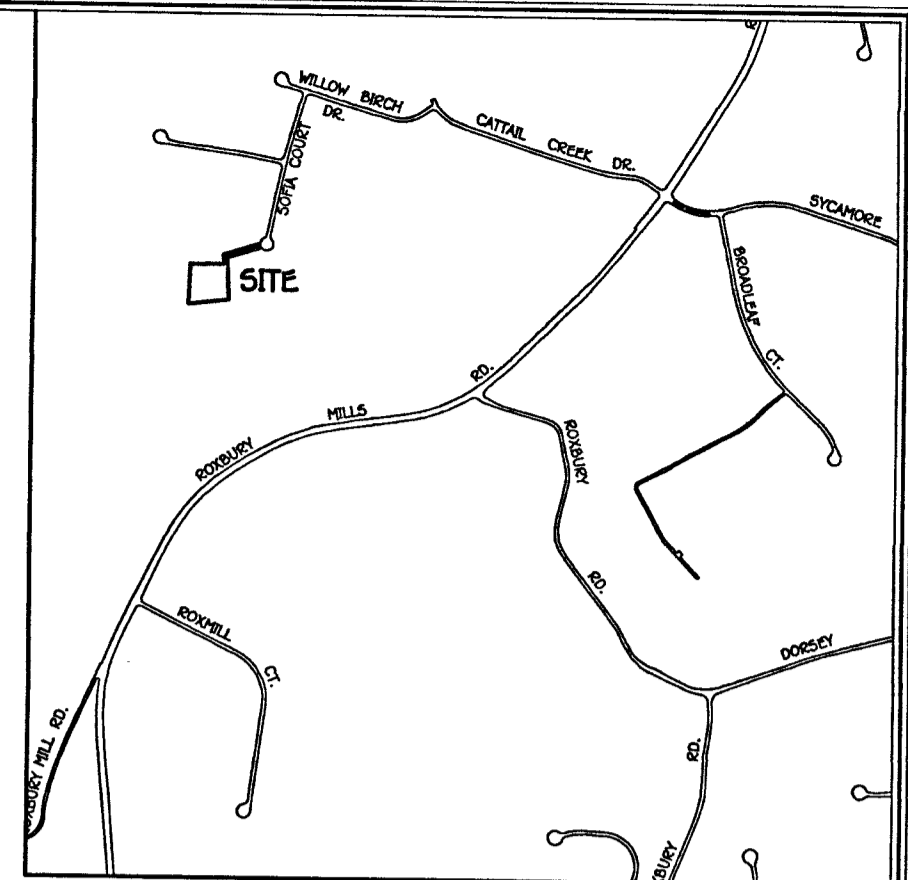
SOIL	NAME	CLASS
GgB	CLENELG LOAM 3% TO 8% SLOPES	B
GgC	CLENELG LOAM 8% TO 15% SLOPES	B
MAD	MANOR LOAM 3% TO 8% SLOPES	B

**PERC CERTIFICATION**  
I certify that the locations shown herein were field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

*Frank Maniatsian, II.* 3/16/22  
Signature of Professional Land Surveyor, License No. 21476, Date  
Frank Maniatsian, II., Professional Land Surveyor, License No. 21476 Expires 07/14/23

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.

*Frank Maniatsian, II.* 4/7/22  
COUNTY HEALTH OFFICER DATE



VICINITY MAP  
SCALE: 1" = 1200'

**GENERAL NOTES:**

- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS 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 EASEMENT. RECORDED OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEWAGE DISPOSAL AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- ALL WELLS AND SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARIES AND ALL EXISTING OR PROPOSED WELLS LESS THAN 200' DOWN/GRADIENT OF A SEPTIC SYSTEM AND/OR SEPTIC EASEMENT.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FIELD RUN BY FISHER, COLLINS & CARTER, INC ON OR ABOUT MAY, 2019 AND HOWARD COUNTY Q5 TOPOGRAPHY AT 2' CONTOUR INTERVAL.
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- PLAT REFERENCE 14834 THRU 14837

THE PURPOSE OF THIS PERC RECERTIFICATION PLAN IS TO REVISE THE SEPTIC EASEMENT ON LOTS 29 AND 30 ADD ALTERNATE WELL LOCATION AND REVISED LOT LINES.



**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERS, CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 21042  
(410) 461-2895

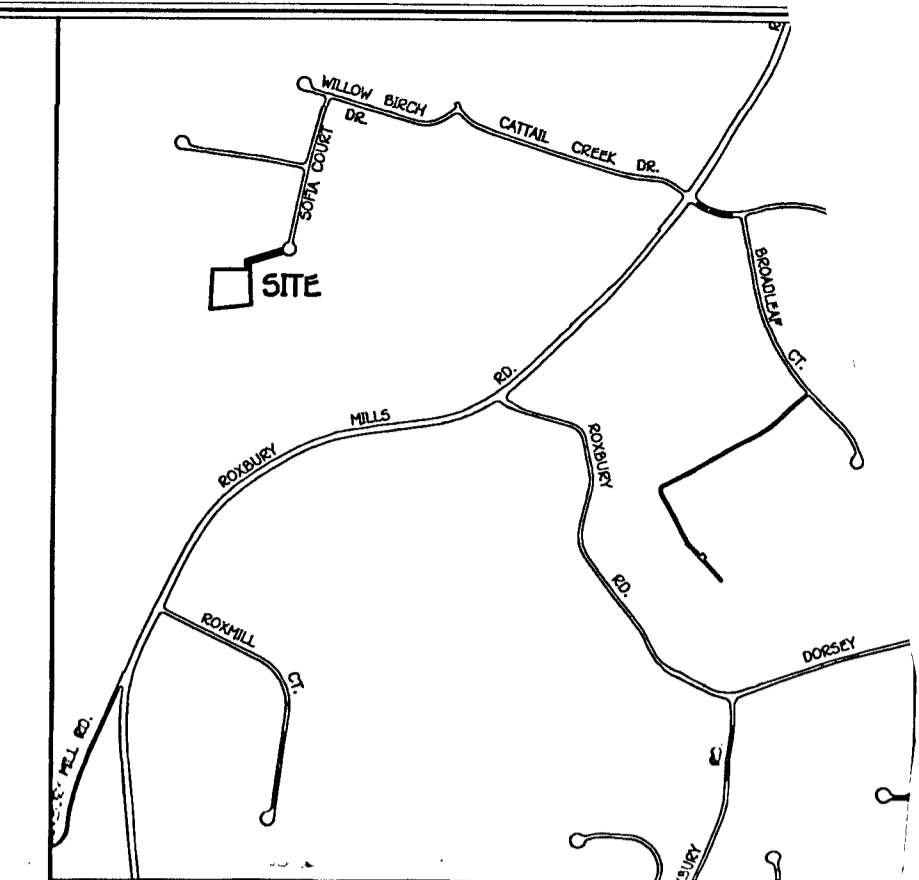
**OWNER/DEVELOPER**  
SCOTT D RARDON  
8017 DORSEY RUN RD  
SUITE A1  
JESSUP, MARYLAND 20794

**PERC CERTIFICATION PLAN**  
**VINEYARDS AT CATTAIL CREEK**  
**LOT 29 AND 30**  
TAX MAP NO.: 21 GRID NO.: 8 PART OF PARCEL NO.: 225  
ZONED RC-DEO  
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' DATE: MARCH 10, 2021

**LEGEND**

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- ⊙ DENOTES PROPOSED WELL
- DENOTES FAILED PERC
- DENOTES PASSED PERC
- ⊕ DENOTES PROPOSED PERC
- ⊠ DENOTES PROPOSED HOUSE
- ▨ DENOTES 15%-24.9% SLOPES
- ▩ DENOTES 25% AND GREATER SLOPE
- ⊞ DENOTES 1500 SQ.FT. ALTERNATE WELL SITE

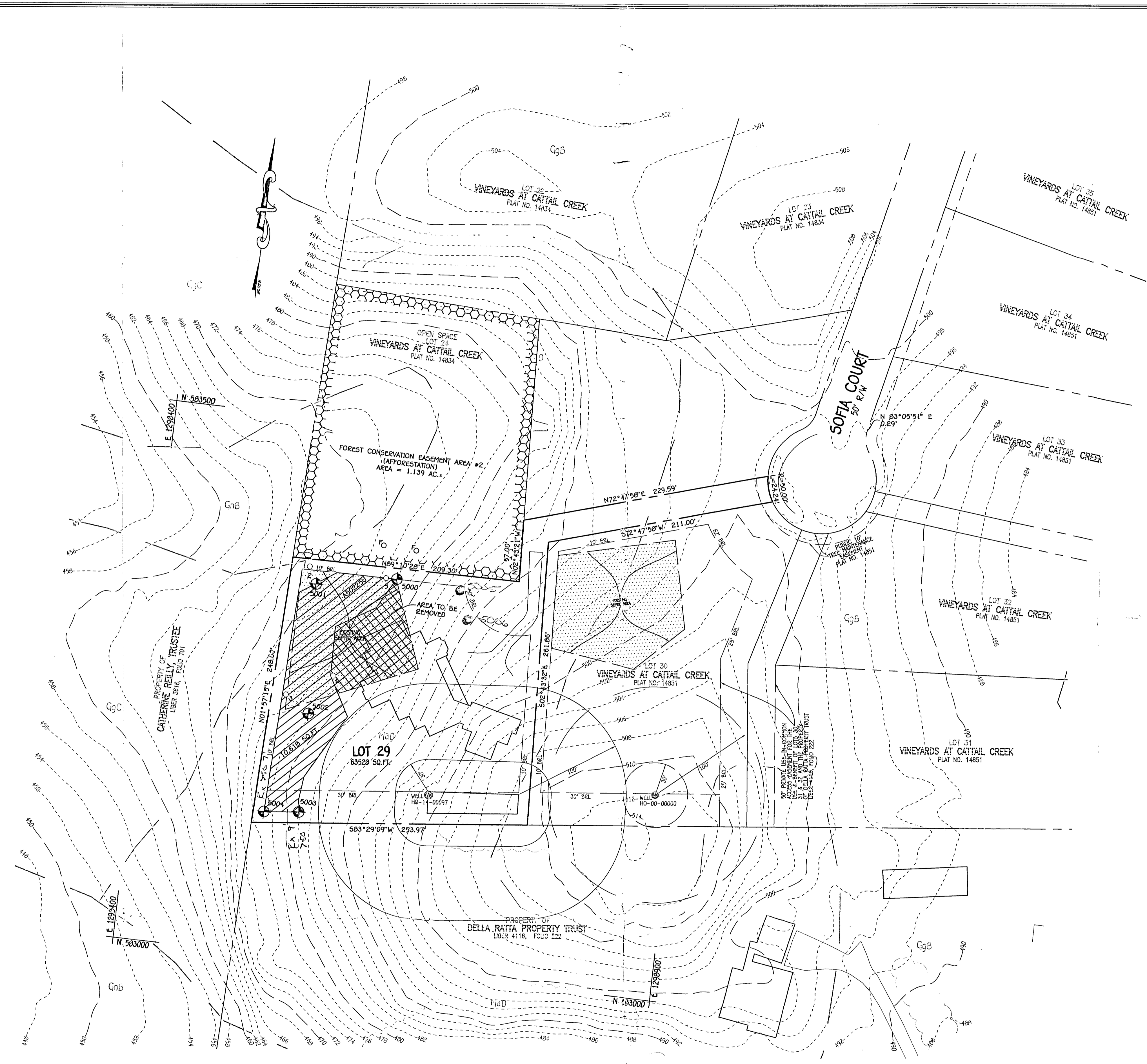
SOILS LEGEND		
SOIL	NAME	CLASS
GgB	GLENGLD LOAM 3% TO 8% SLOPES	B
GgC	GLENGLD LOAM 8% TO 15% SLOPES	B
MdD	MANDR LOAM 3% TO 8% SLOPES	B



VICINITY MAP  
SCALE: 1" = 100'

**GENERAL NOTES:**

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. ALL EXISTING OR PROPOSED WELLS LESS THAN 200' DOWN/GRADIENT OF A SEPTIC SYSTEM AND/OR SEPTIC EASEMENT.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN IS FIELD RUN BY FISHER, COLLINS & CARTER, INC ON OR ABOUT MAY, 2019 AND HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
7. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVERSED PERC CERTIFICATION PLAN.
8. PLAT REFERENCE 14834 THRU 14837



**OWNER/DEVELOPER**  
SCOTT D RARDIN  
8017 DORSEY RUN RD  
SUITE A1  
JESSUP, MARYLAND 20794

**PERC APPLICATION PLAN**  
**VINEYARDS AT CATTAIL CREEK**  
**LOT 29**  
TAX MAP NO.: 21 GRID NO.: 8 PART OF PARCEL NO.: 225  
ZONED RC-DEO  
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' DATE: MARCH 3, 2020

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELICOTT CITY, MARYLAND 21042  
(410) 461-2292

K:\Drawings\6162888\Cattail Creek\6162888-401162888-4 Perc Plan.dwg ECP PLAN, 1:1

# Vineyards at Cattail Creek

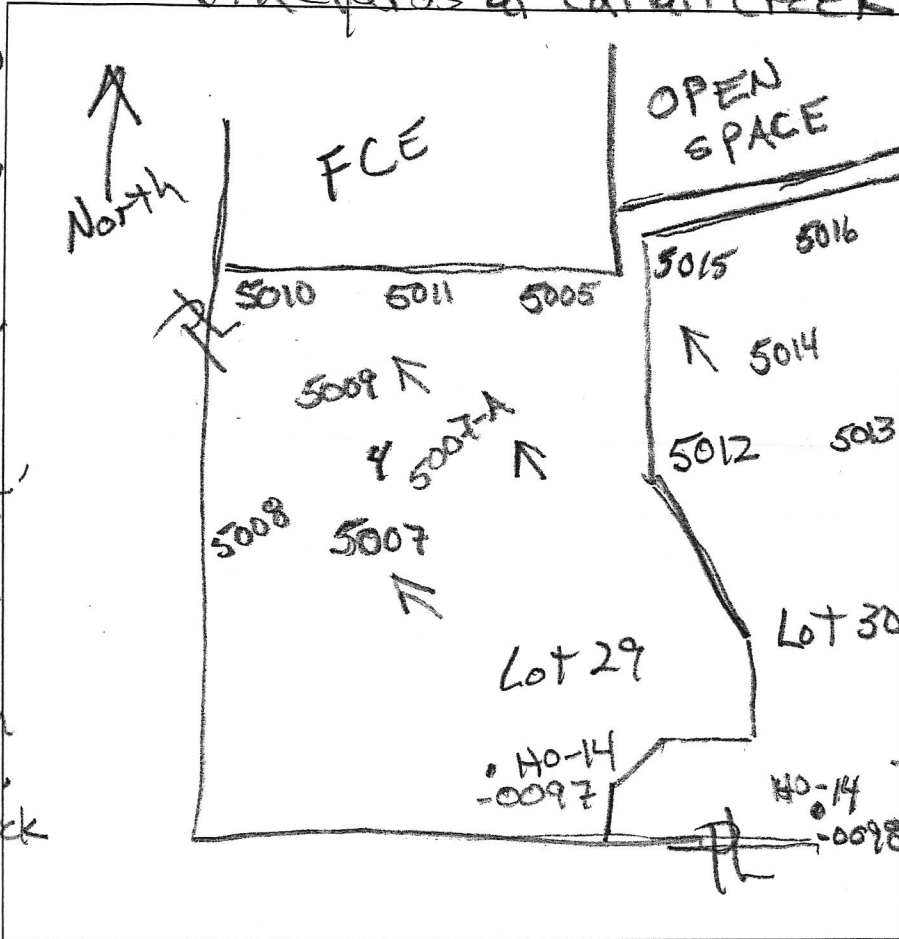
A/P

**5007**  
 dk brnl  
 1 v fsbk 0.5'  
 brn grl  
 2 fsbk, ss  
 2.2'  
 yel-red  
 grsl, thick  
 platy,  
 4.5'  
 yel-red  
 grls, thick  
 platy  
 6'

red-yel & brn  
 v byls, Ø sq.  
 50-60% rock

**5012**

brn sl 0.6'  
 red sl 4'  
 brn v byls  
 50-60% rock

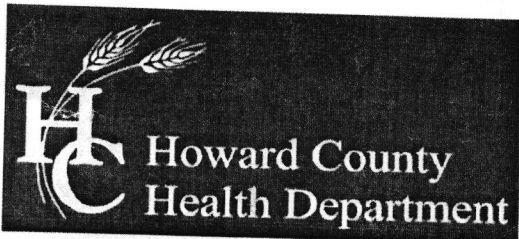


**5007-A**  
 dk, grey-brn  
 2 v fs bk  
 0.5'  
 brn grl  
 2 fsbk, ss  
 1.5'  
 few mica  
 yel-red  
 grsl, thick  
 platy  
 4'  
 yel-red  
 grls, thick  
 platy

7.5'  
 brn v byls  
 Ø sq.  
 rock 50-60%

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/9/22	5007	6'	Visual	rock > 50%			F
2/9/22	5007-A	3.5' / 7.5'	1:58	2:28			F
2/9/22	5012	4'	Visual	rock > 50%			F

REMARKS \_\_\_\_\_  
 SANITARIAN R Bricker BACKHOE Fogle's OTHERS Tony Fertitta  
Zack Silvast  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_



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

AS67335

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME VINEYARDS AT CATTAIL CREEK

PROPERTY ADDRESS 3730 S SOFIA CT GLENWOOD 21738
STREET TOWN ZIP

TAX ACCOUNT # 366166 TAX MAP 21 GRID 8 PARCEL 225 LOT NO. 29 PROPOSED LOT SIZE (ACRES) 1.45

ZONING CATEGORY RC-DEO TIER

PROPERTY OWNER(S) SCOTT D RARDIN

DAYTIME PHONE CELL EMAIL mcdrrardin@aol.com

MAILING ADDRESS 8017 DORSEY RUN RD SUITE A1 JESSUP MD 20794-9372
STREET CITY, STATE ZIP

APPLICANT SCOTT D RARDIN RELATIONSHIP TO OWNER: OWNER

DAYTIME PHONE CELL EMAIL mcdrrardin@aol.com

MAILING ADDRESS 8017 DORSEY RUN RD SUITE A1 JESSUP MD 20794-9372
STREET CITY, STATE ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: 1
SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR MINOR
CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
REPAIR OR REPLACE FAILING OSDS
UPGRADE EXISTING OSDS

BUILDING:

- RESIDENTIAL WITH 4 TO 5 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
THE APPLICATION FEE IS NON-REFUNDABLE
THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

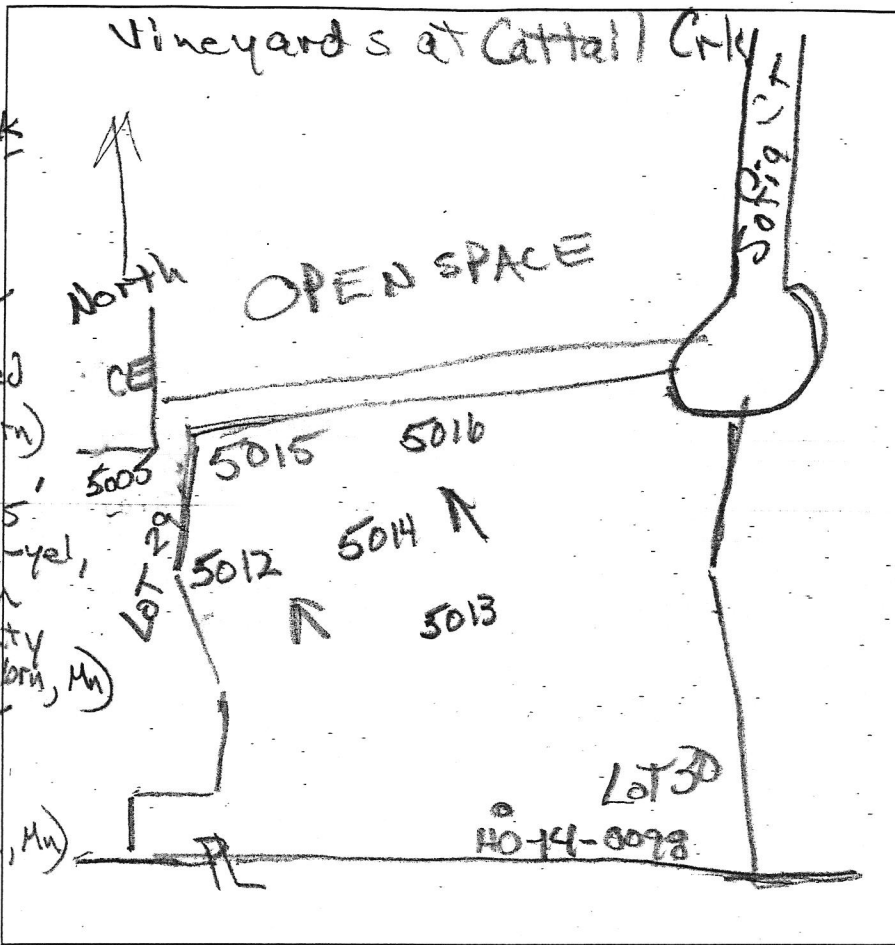
By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

Signature of applicant

3/4/20

SIGNATURE OF APPLICANT

DATE



5015

dk brn L, 1 f sbk  
 red-brn sl, 0.8  
 1 msbk  
 few gravel  
 yel-red ls 1.5  
 0 m, compacted  
 mzp (v. dk, brn)  
 Mn  
 few mica  
 yel-red, red-yel, 2.5  
 yellow & lt. brn  
 ls, thick platy  
 mzp (v. dk, brn, Mn)

red lfs  
 thick platy  
 f1p (v. dk, brn, Mn)  
 red & tan lfs  
 thick platy  
 few mica

11  
 yel-red & brn  
 v f lls, platy  
 40-50% rock  
 -R-

5016

brn L, 1 f sbk  
 brn grh  
 0 m, dense  
 red & brn  
 grs, 2 msbk  
 red & brn  
 grs, thick  
 platy

10  
 red-yel & brn  
 vchls  
 35-45% rock

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/9/22	5012	4'	Visual		Rock > 50%		F
2/9/22	5015	5.75/12	3:15	2:53:30	2:58	4.5	P
2/9/22	5014	6 1/2'	3:24:30	3:28	3:32	4	P
2/9/22	5016	6.5/12	3:48:30	3:56	4:09	13	P
2/9/22	5013	5.5/10	4:12:30	4:19	4:27	8	P

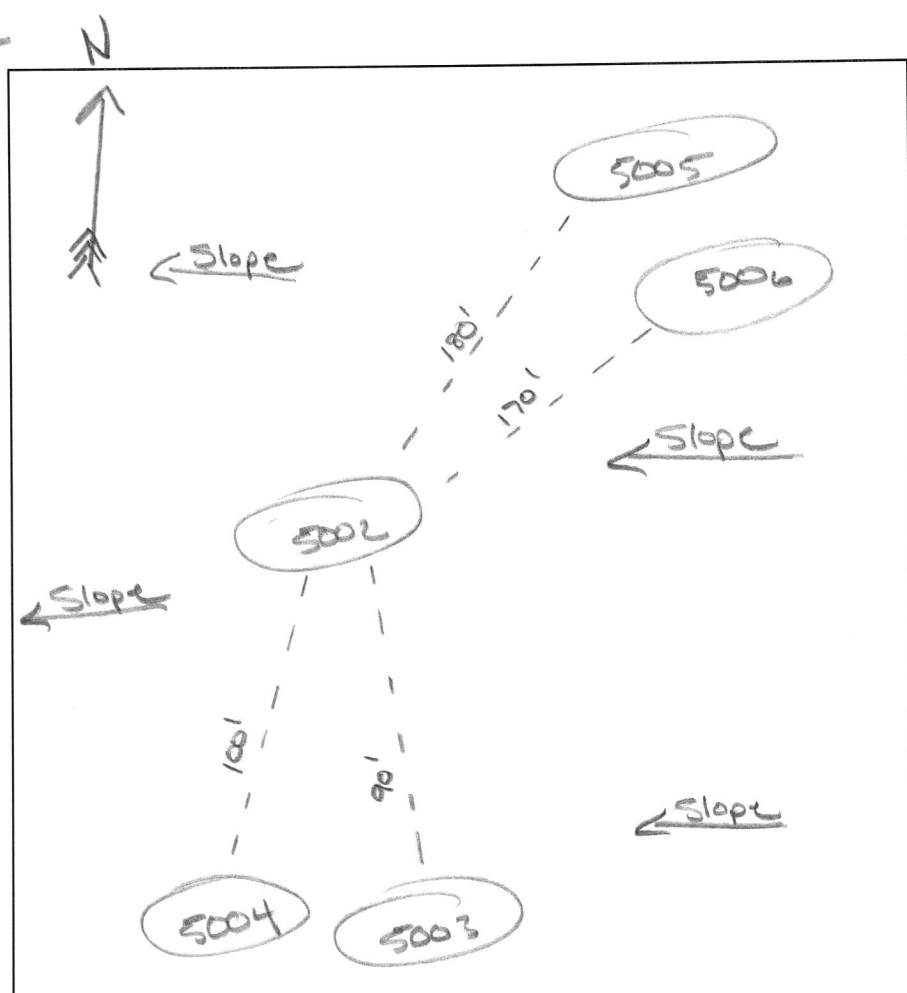
REMARKS  
 SANITARIAN R Bricker BACKHOE Fogle's OTHERS Tony F. 10 - R  
 TEST HOLES USED IN SDA Jamie ASKIA AVG. PERC TIME ZACK S SQ. FT/BR  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

5014  
 0.7  
 brn sl, 2 f sbk  
 15  
 yel-red L  
 2 f sbk  
 25  
 red-brn sl  
 thick platy  
 4  
 yel-red  
 vgrs, 0 m  
 dense  
 mzp (v. dk, brn)  
 4  
 yel-red, brn  
 & yellow ls  
 9  
 thick platy  
 brn & red-yel  
 vchls, platy  
 30-40% rock  
 12

5013

dk brn L  
 2 f sbk  
 1  
 brn L, 1 f sbk  
 1  
 red-brn L  
 2 f sbk  
 1.5  
 red-brn sl  
 1 msbk  
 2.5  
 red ls, 0 m  
 dense  
 3.5  
 red, brn  
 yellow &  
 dk brn  
 sl ls thick  
 platy  
 6  
 yel-red & brn  
 chls, thick platy  
 8  
 brn sl ls  
 platy

AP 567335



5003  
 >50% Slaty  
 >15" R, CL, Platy  
 Hard Bottom

5004  
 Same As 5003  
 Hard Bottom

5002  
 Red, CL, Platy  
 Hard Bottom

5005  
 CL  
 Rx  
 40% Cobble  
 Hard Bottom

5006  
 Same As 5005

DATE	TEST #	DEPTH 4' BUFF	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/19/20	5003	5'	OBSERVATION				F
↓	5004	3'	OBSERVATION				F
↓	5002	3'	OBSERVATION				F
10/29/20	5005	0'	OBSERVATION				F
	5006	0'	OBSERVATION				F

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

\* Perce locations not tested due to clay and rock content  
 None of these perce locations are suitable for  
 sewage disposal.