

# APPLICATION

PRELIMINARY

SEWAGE DISPOSAL TESTING

A 33788

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

DISTRICT 5th

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

DATE 4/13/84

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Glenelg Manor Associates

ADDRESS 12789 Folly Quarter Road, Ellicott City, Md., PHONE 531-5252  
21043

PROPERTY LOCATION:

SUBDIVISION Buckskin Farms LOT NO. RESUB OF PARCEL 10 40  
LDB NEW LOT ON

ROAD AND DESCRIPTION Folly Quarter Road - use entrance to Glenelg Dehydrators and lots are  
located behind the old sawmill. *FINAL*

SIZE OF LOT (?) TYPE BLDG. 3 or 4 bedrooms  
(NUMBER OF BEDROOMS)

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. /s/ Olen Ketterman for Lois M. Maisel  
(SIGNATURE OF APPLICANT)

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

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

REASONS FOR REJECTION OR HOLDING 9-18-85. Perc Satisfactory, Hold for (Certified) Hole Location, House & Well  
Site, recommend Shallow System only, SAT 11

# THIS IS NOT A PERMIT

ROW TO DEHYDRATOR

①④  
SOIL PROFILE

0  
4" A1-3  
Yellow BR  
CLAY LOAM  
SMALL STONES  
210%  
SAPROLITE

2.5  
Yellow BR  
SAND LOAM  
210%  
SAPROLITE  
Highly  
micaceous

②

0  
4" A1-3  
Yellow BR  
SAND CLAY  
LOAM  
Highly  
micaceous  
210%  
SAPROLITE

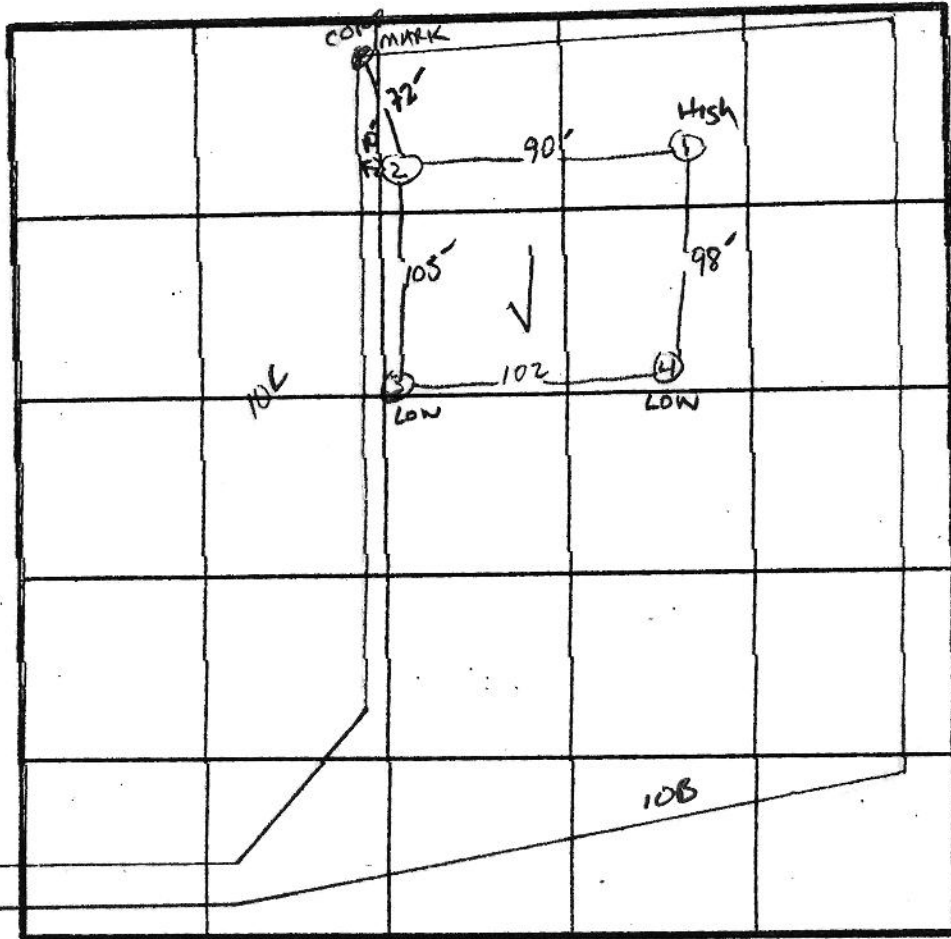
2"  
Yellow BR  
SANDSILT  
LOAM  
210%  
SAPROLITE  
HARD BOTTOM

③

0  
4" A1-3  
Yellow BR  
SAND CLAY  
LOAM 20%  
SAPROLITE

2"  
Yellow BR  
Highly  
micaceous  
Silt SAND  
LOAM  
30-40%  
SAPROLITE

9"  
STRUCTURED  
TO SOLID  
MICA



7 Perc. Time  
3 min  
INLET 3"  
BOTTOM MAX  
4.5"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/18/85	1 ✓	3"	2:10	2:11	2:11	2:12	1 min
	2 ✓	12" UNIFORM SOIL				2.5"	
	3 ✓	HARD MICACEOUS BOTTOM AT 11"	2:18	2:20:30	2:20:30	2:26:30	6 min 3-11"
	4 ✓	10" HARD BOTTOM - MICA SOLID - GOOD SOIL 2-9"	2:13	2:14	2:14	2:16	2 min
	5 ✓	12" UNIFORM SOIL STRUCTURE Below 2.5" SAME AS #1					

REMARKS MODERATELY Developed well classified soil

TYPE OF SOIL Glenelg/CHESTER LOAM

S. Abel

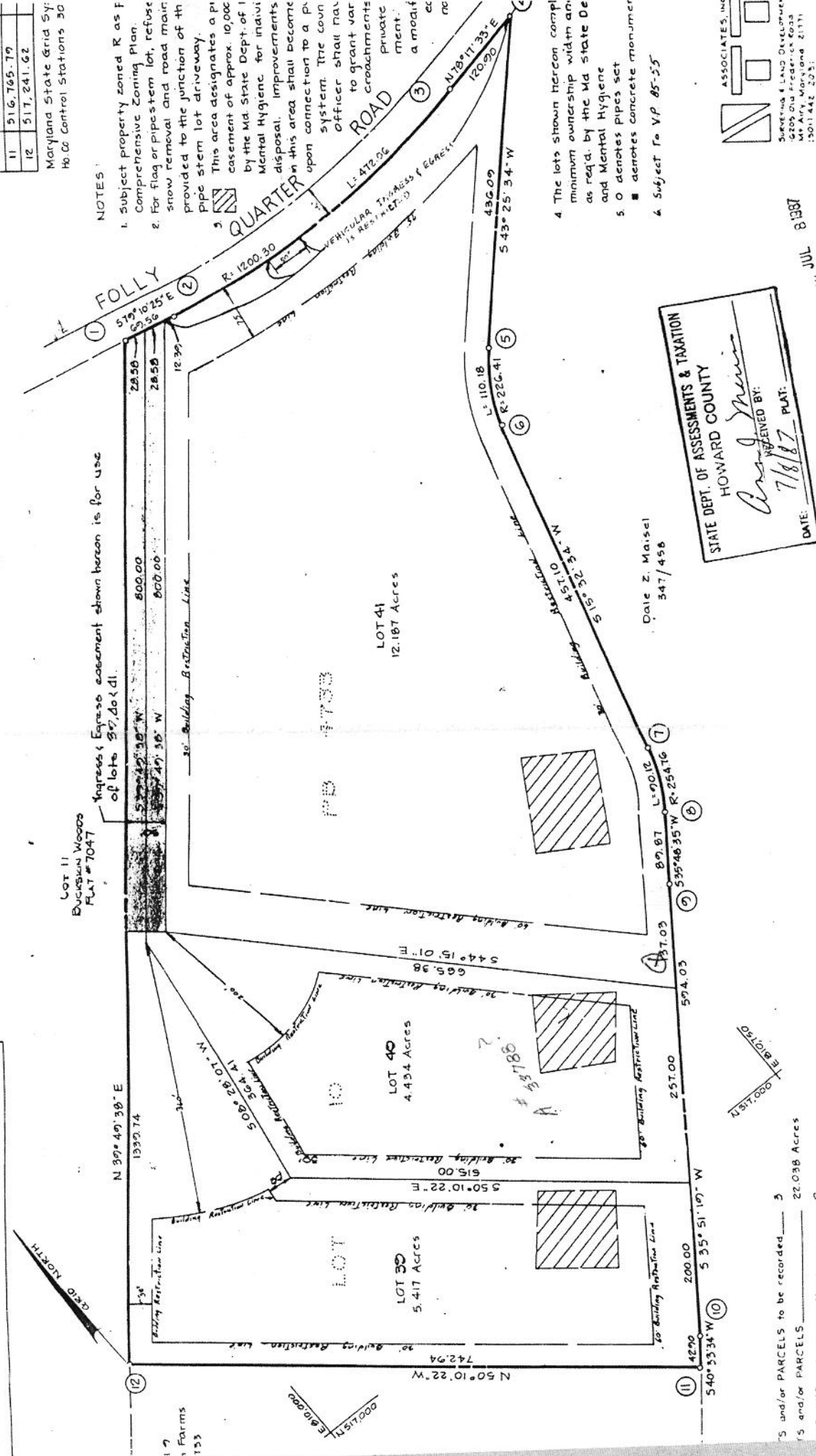
ALSO PRESENT

O'KETTENMAN

5	517,968.87
6	517,873.90
7	517,453.51
8	517,352.72
9	517,272.84
10	516,798.38
11	516,765.79
12	517,241.62

Maryland State Grid System  
 10.00 Control Stations 30

VICINITY MAP  
 Scale: 1" = 1200'



NOTES

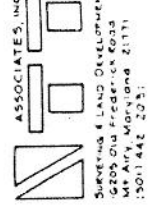
1. Subject property zoned R as F Comprehensive Zoning Plan. For flag or pipe stem lot, refuse snow removal and road maintenance provided to the junction of the pipe stem lot driveway.
2. This area designates a pipe easement of approx. 10,000 by the Md. State Dept. of Mental Hygiene for individual disposal. Improvements in this area shall become upon connection to a private system. The town officer shall not to grant var croachments private ment. a modification.
3. The lots shown hereon comply minimum ownership with as req'd. by the Md State Dept and Mental Hygiene
4. 0 denotes pipes set
5. denotes concrete manometer
6. Subject to V.P. 85-55

STATE DEPT. OF ASSESSMENTS & TAXATION  
 HOWARD COUNTY  
 RECEIVED BY: *[Signature]*  
 DATE: 7/18/87 PLAT: \_\_\_\_\_

FILED JUL 8 1987

OWNER'S DEDICATION  
 PRIVATE WATER and PRIVATE SEWERAGE

5 and/or PARCELS to be recorded \_\_\_\_\_  
 75 and/or PARCELS \_\_\_\_\_ 22.038 Acres  
 EADWAYS incl widening strips \_\_\_\_\_  
 DIVISION \_\_\_\_\_ 22.038 Acres



Date: Z. Maisel  
 347/458

A/P

maisel farm ln

302 (lot 64)

0-4" top soil  
 4'-1 1/2' Tan SCL  
 w/ roots  
 1 1/2'-3' Tan SCL  
 tight  
 3'-4' Tan SCL  
 loose  
 4'-8' Tan/Red SCL  
 8'-12' Tan/White S

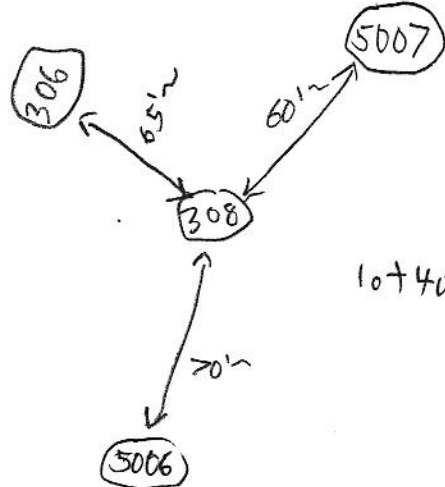
5006 (lot 40)

0-6" top soil/  
 leaf litter  
 6"-2' Tan SCL  
 hard angular  
 2'-4' Tan/Red CL  
 4'-5' Tan/Red CL  
 w/ > 40%  
 rock  
 5'-6' Tan/Red SCL  
 (tight)  
 6'-10' Red/Pink/yellow  
 SCL small  
 clay particles  
 w/ grit

10'-11' Tan/Grey/Yellow  
 SCL / gravel  
 1' Clay/White/Yellow  
 restrictive  
 11'-12' Tan/Grey  
 SCL wet

5007 (lot 40)

0-6" top soil/  
 leaf litter  
 6"-2' Br/Tan SCL  
 w/ roots  
 some gravel  
 2'-4 1/2' Red/Tan  
 CL  
 4 1/2'-5' Red/Tan  
 SCL  
 5'-10' Tan/Red  
 SCL  
 some  
 shale @ 4'  
 30%



DATE	TEST #	DEPTH	START 2:07 <sup>1st</sup> 2:08 <sup>2nd</sup>	BREAK 1" DROP 2:10 pm	STOP 2" DROP 2:12 pm	TIME OF 2ND INCH	P/F/H
7/15/22	308	5'	2:09 pm re-pave	2:10 pm	2:12 pm	2 mp	(P)
7/15/22	5006	7'	2:34 pm	2:43 pm	3:04 pm	2 mp	(P)
7/15/22	5007	6'	2:53 pm re-pave	2:54 pm	2:55 pm		
			2:55 pm	2:56 pm	2:58 pm	2 mp	(P)

REMARKS Lots of extra holes  
 SANITARIAN Zack S. BACKHOE Jeff Allen OTHERS Tony F.  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

# Off Maisel Farm Lane (Buckskin Woods)

hole "324"

0-6" topsoil  
 6"-3' Tan/Red SL  
 3'-4' Tan/Reddish SL (compacted) but very easy break  
 4'-7' Tan/Yellow LS w/gravel  
 7'-10' Tan/Br/Grayish LS w/white gravel  
 @ 10' very compact/dense

hole "322"

0-6" topsoil  
 6"-2 1/2' Tan/Yellow SL loose w/ roots  
 2 1/2'-4' Tan/Reddish/Br SL has ps w/gravel  
 4'-6' Tan/Yellow/Reddish SL w/white gravel  
 6'-11' Tan/Br/Grayish LS w/gray gravel

hole "325"

0-4" topsoil  
 4"-1' Brown/Reddish CL (thick) irregular  
 1'-2 1/2' Reddish/Br SL (still thick) irregular  
 2 1/2'-6' Red/Brownish SL  
 6'-8' Tan/Grayish  
 >50% rock @ 8

AVP

hole "321"

0-6" topsoil  
 leaf litter  
 6"-2 1/2' Br./Red SL (rainy) w/ roots (CL)  
 2 1/2'-4' Tan/Red SL hard w/ gravel  
 4'-6' Br./Reddish SL w/ large gravel  
 6'-7' Tan/Gray/Blue SL w/ large gravel  
 7'-10' Gray/Tan/Red SL w/ > rock/shale 60%  
 10' rock bottom

hole "323"

0-6" topsoil  
 leaf litter  
 6"-3' Br./Tan SL w/ roots (loose)  
 3'-4' Br./Tan SL compacted (heavier loam)  
 4'-5' Br./Reddish SL (highly compacted off slightly platey)  
 5'-7 1/2' Tan/Yellow LS w/gravel  
 7 1/2'-9' Tan/Grayish LS w/gravel  
 9' rock bottom

if rock break apart easily

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/12/22	321	5'	10:13 am	30 sec	40 sec	Too fast Too fast 2mp' ~	
			repair time 10:16 am	40 sec 1 min	1 min 45 sec	FAIL due to >50% rock	
10/12/22	323	5'	10:30 am repair (end time) 10:35 am	30 sec	10:31 am	2mp' (P)	
10/12/22	314	UNSAT SOILS					(F)
10/12/22	324	4'	11:16 am	11:17 am	11:19 am	2mp' (P)	
10/12/22	322	5'	11:29 am	11:31 am	11:39 am	8mp' (P)	
10/12/22	325	3 1/2'	12:12 pm	12:14 pm	12:19 pm	5mp' (P)	
			↓	10:53			

hole "314"

0-4" topsoil  
 4"-2 1/2' Tan/Yellow CL  
 2 1/2'-4' Tan/Yellow SL  
 4'-5' Tan/Yellow silt SL  
 5'-10' white/yellow clay silt

REMARKS Should have info holes to gain 10,000s for each lot  
 SANITARIAN Zack Gilvost BACKHOE J. Allen OTHERS T. Ferditta (FLL)  
 TEST HOLES USED IN SDA TBA AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

# Buckskin Lots 50, 39, 40, 63, 64

305 (Lot 63)

0-3" top soil  
 3'-1' Red layer w/Br. CL  
 1'-3' Tan SCL (+1/2" / block)  
 3'-5'  
 5'-8' > 80% rock/coal

303 (Lot 63)

0-4" top soil  
 4"-2' Br./Tan CL  
 2'-5' Red. Br SCL thick w/roots  
 5'-6' Tan/Gold SCL w/roots  
 6'-12' Tan/Gold SCL thick w/roots  
 wet @ 8 1/2'  
 WT @ 9'  
 NT

306 (Lot 63)

6-5" top soil  
 3'-1 1/2' Br./Tan SCL  
 1 1/2'-3' Br./Tan SCL (loose)  
 3'-8' Tan/White SCL  
 rock bottom @ 8'

See  
 perc plan  
 for locations

A/P

311 (Lot 50)

0-3" top soil  
 3'-8" Br. SCL w/small roots  
 8"-1 1/2' Br. SCL w/roots  
 1 1/2'-3' Br./Red SCL  
 3'-4' Red/Br. SCL tight  
 4'-6' Red/Br. SCL fine w/20% shod shale  
 6'-9' Br./Red SCL fine w/30% shale  
 9'-12' Br./Tan SCL w/comp  
 very tight @ 12'

310 (Lot 50)

0-3" top soil leaf litter  
 3"-6" Ec. SL  
 6"-2' Br. SCL w/roots  
 2'-4' Br./Red SCL very fine  
 4'-7' Tan/red SCL w/1/2" / block  
 7'-13' Tan/white SCL

309 (Lot 39)

0-4" top soil  
 4"-2' Br./Tan SCL tight  
 2'-4' Br./Red SCL angular  
 4'-8' Red/Br SCL  
 100 SCL w/stone  
 8'-10' Tan/Gold SCL w/rock  
 10' rock bottom

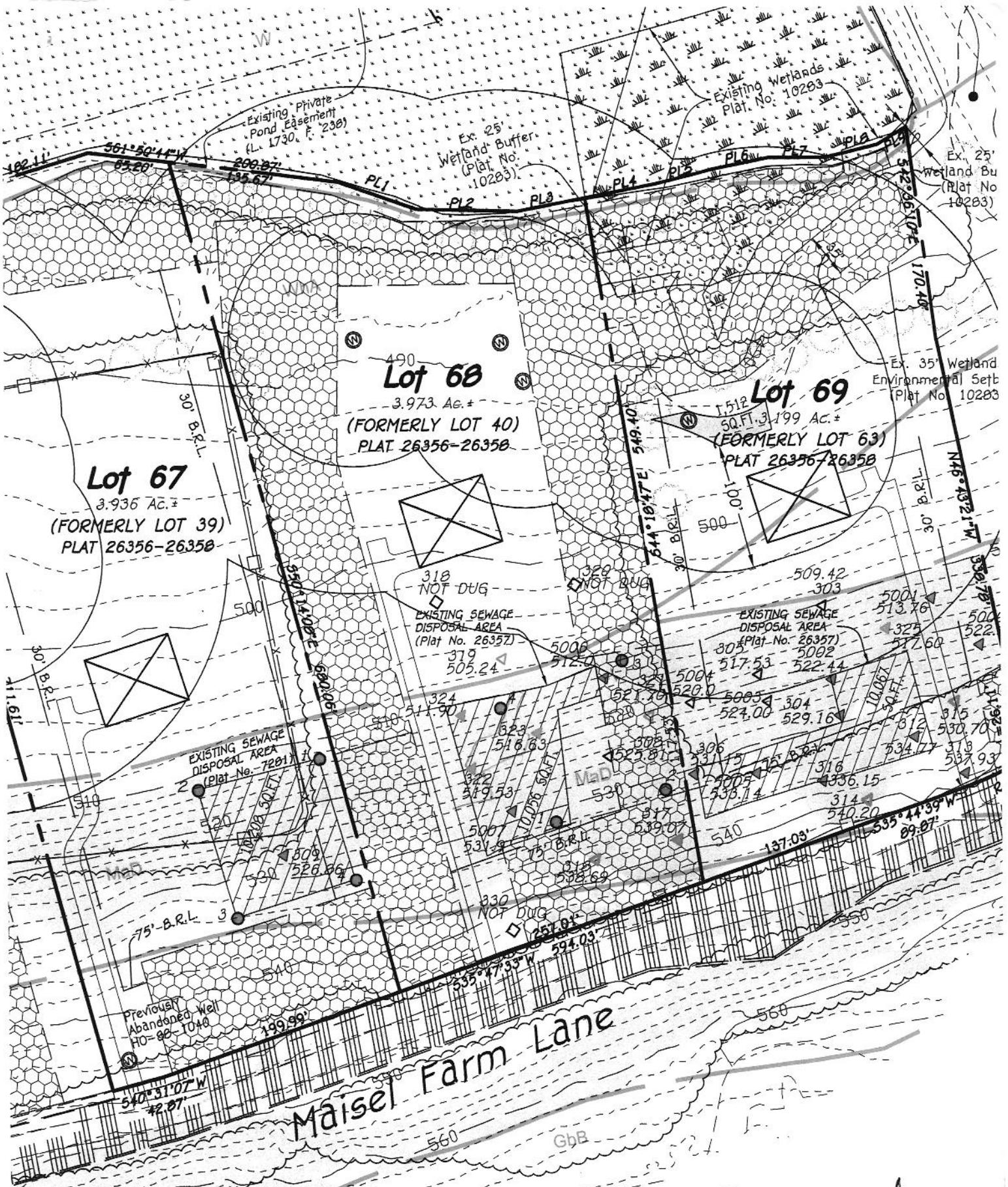
308 (Lot 40)

0-5" top soil  
 5"-1 1/2' Br. SCL  
 1 1/2'-3' Tan/Red SCL tight  
 3'-5' Br./Red SCL very loose  
 5'-8' Tan/Br/White SCL w/1/2" / block  
 rock bottom @ 6'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/13/22	311	5'	11:38am	11:41am	11:45am	4mp	P
7/13/22	310	5'	11:16am	11:18am	11:20am	2mp	P
7/13/22	309	5'	1:52pm	2:03pm	2:28pm	25mp	P
7/13/22	308	4'	2:56pm	3:05pm	@ 3:35pm	> 30mp	F
7/13/22	306	4'	3:18pm	3:20pm	3:23pm	3mp	P
7/13/22	305	UNSAT	(poor soil)				F
7/13/22	303	UNSAT	(poor soil)				F

REMARKS Machine broke down (ran out of fluid)  
 SANITARIAN Zack S. BACKHOE Jeff Allen OTHERS Tony F.  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

rock bottom @ 6'



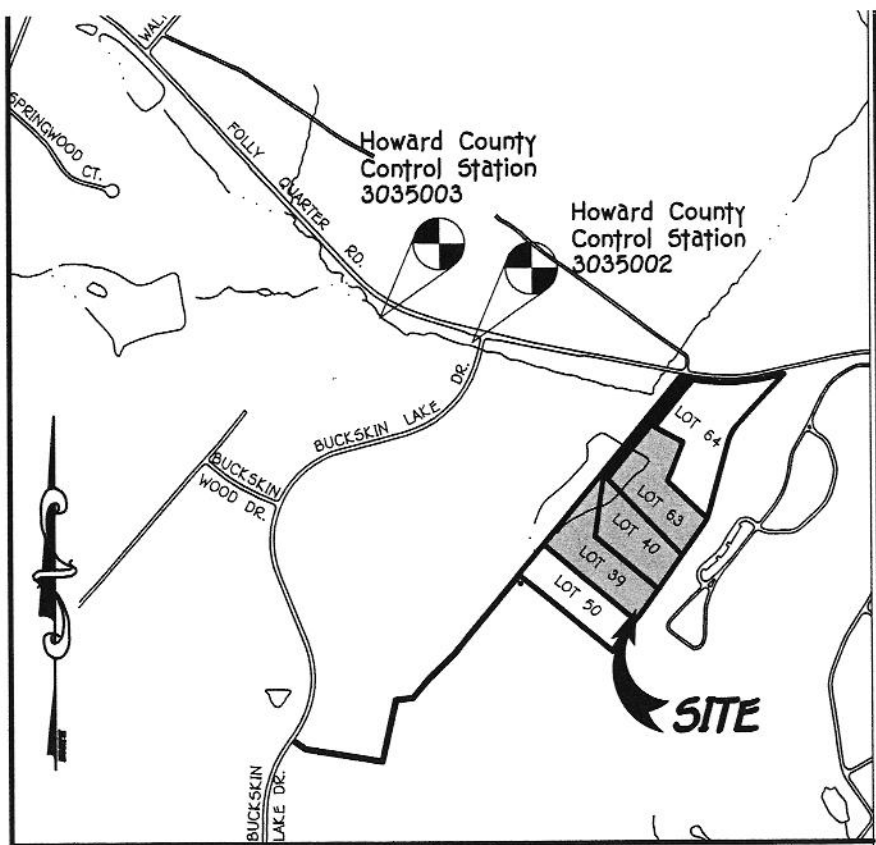
PROPERTY OF  
 GLENELG COUNTRY SCHOOL, INC.  
 (L. 448, F. 788)  
 TAX MAP 22, PARCEL 148  
 ZONED: RR-DEC

PC Signed  
 7/1/2024

Owner (Lots

Thoma  
 4203 Bud  
 Ellicott C

	CLASS	'K' VALUE
	B	.43
	B	.32
	B	.32
	C	.49
	D	.43
	B	.32
	N/A	N/A
	C	.37




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

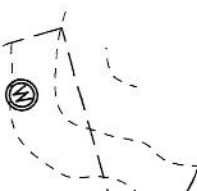
**LEGEND**

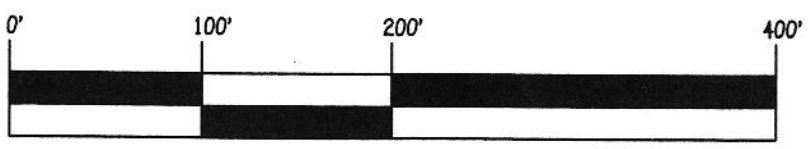
- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- ~~~~~ EXISTING TREE LINE
- SOIL LINES AND TYPES
- ⊙ DENOTES WELL LOCATION
- DENOTES PREVIOUSLY APPROVED WELL LOCATION TO BE ABANDONED
- DENOTES FAILED PERC 7/1992
- DENOTES PASSED PERC 7/1992
- ▲ DENOTES PASSED PERC 7/2022
- △ DENOTES FAILED PERC 7/2022
- ⊠ DENOTES PROPOSED HOUSE
- ▨ DENOTES APPROVED PRIVATE SEWERAGE DISPOSAL AREA
- ▲ DENOTES PASSED PERC 10/12/2022
- △ DENOTES FAILED PERC 10/12/2022
- ▲ DENOTES PASSED PERC 9/23/22
- △ DENOTES FAILED PERC 9/23/22
- ▲ DENOTES PASSED PERC 7/8/94
- △ DENOTES FAILED PERC 7/8/94
- DENOTES PASSED PERC 7/8/94
- DENOTES FAILED PERC 7/18/91
- DENOTES SUBJECT LOT LINES

PROXIMATE  
STIC AREA

## GENERAL NOTES:

1.  THIS AREA DESIGNATES A SEWAGE DISPOSAL AREA 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 SEWAGE DISPOSAL AREA. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA. RECORDATION OF A MODIFIED SEWAGE DISPOSAL AREA 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 SEWAGE DISPOSAL AREA.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL AND SUPPLEMENTED WITH TOPOGRAPHIC SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC.
7. BOUNDARY OUTLINE BASED FIELD SURVEY BY FISHER, COLLINS AND CARTER, INC. ON OR ABOUT MARCH, 1992.
8. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN
9. PLAT REFERENCE 26356 THRU 26358.
10. THE EXISTING WELL, HO-88-1040. MUST BE CONFIRMED TO BE SEALED. IF THE WELL HAS NOT BEEN SEALED, IT MUST BE SEALED BY A LICENSED WELL DRILLER AND THE OFFICIAL MULTIPART WELL ABANDONMENT REPORT RECEIVED BY THE HEALTH DEPARTMENT PRIOR TO BUILDING PERMIT APPROVAL FOR LOT 67 (FORMERLY LOT 39).
11. AN ADVANCED PRE-TREATMENT SYSTEM, WHICH UTILIZES BEST AVAILABLE TECHNOLOGY TO PERFORM NITROGEN REDUCTION, MUST BE INSTALLED ON THE SEPTIC SYSTEM SERVING LOTS 68 (FORMERLY LOT 40) AND 69 (FORMERLY LOT 63). A SUPPLEMENTAL SITE PLAN WITH ALL OF THE NECESSARY DETAILS FOR INSTALLATION OF THE SYSTEM WILL BE REQUIRED PRIOR TO THE RELEASE OF THE BUILDING PERMIT AND SEPTIC SYSTEM INSTALLATION PERMIT.
12. AN OPERATION AND MAINTENANCE CONTRACT AGREEMENT MUST BE FILED WITH HOWARD COUNTY LAND RECORDS PRIOR TO RELEASE OF THE BUILDING PERMIT AND SEPTIC SYSTEM INSTALLATION PERMIT.
13. THE MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS REVIEWED THE PROPOSED WELL AND SEWAGE DISPOSAL AREA LOCATIONS ILLUSTRATED ON THE PLAN AS RECOMMENDED BY THE HOWARD COUNTY HEALTH DEPARTMENT, AND HAS GRANTED A VARIANCE TO ALLOW THE SEWAGE DISPOSAL AREA LOCATIONS ON LOTS 67, 68, AND 69 (FORMERLY 39, 40 & 63) TO BE UPGRADE OF THE WELLS ON LOTS 67, 68, AND 69 (FORMERLY 39, 40 & 63) PURSUANT TO THE FOLLOWING:
  - a. A BAT UNIT MUST BE INSTALLED IN THE INITIAL SYSTEM FOR LOT 68 (FORMERLY LOT 40) & LOT 69 (FORMERLY LOT 63).
  - b. DRAINFIELD INSTALLED IN THE SDA SERVING LOT 68 (FORMERLY LOT 40) WILL BE DESIGNED FOR LOW PRESSURE DISTRIBUTION OR EQUIVALENT.
  - c. WELLS SERVING LOTS 67, 68, AND 69 (FORMERLY 39, 40 & 63) MUST BE CONSTRUCTED USING STEEL CASING TO 50' OR DRILLED 10' INTO COMPETENT BEDROCK, WHICHEVER IS DEEPER.





SCALE: 1" = 100'

**PURPOSE NOTE:**  
 THE PURPOSE OF THIS AMENDED PERCOLATION CERTIFICATION IS TO:  
 1). REMOVE PIPESTEM AREAS FOR LOTS 39, 40 AND 63 PROVIDING ACCESS TO FOLLY QUARTER ROAD AND ADD THESE AREAS TO LOT 70 (FORMERLY LOT 58).  
 2). IDENTIFY LOTS 67 THRU 69 REVISED LOT OUTLINES TO REFLECT RELOCATED PIPESTEM AREAS.  
 3). REVISE LOT 69 (FORMERLY LOT 63) WELL LOCATIONS TO A WELL BOX **AND REVISE LOTS 67 AND 68 INDIVIDUAL WELL**

**LOCATIONS**

**AMENDED  
 PERCOLATION CERTIFICATION PLAN  
 BUCKSKIN WOODS,  
 LOTS 67, 68, AND 69  
 (FORMERLY LOTS 39, 40, AND 63)**

Zoned: RR-DEO  
 Tax Map No. 22 Grid No. 22 Parcel No. 535  
 Fifth Election District - Howard County, Maryland  
 Date: May 28, 2024 Scale: 1"=100'