

# Off Maisel Farm Lane (Buckskin Woods)

A/P

hole "321"

0-6" topsoil  
leaf litter  
6"-2 1/2' Br./Red  
SCL (mainly)  
w/ roots (L)  
2 1/2'-4' Tan/Red  
SCL hard  
pun  
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  
10' rock bottom 80%

note "324"

0-6" topsoil  
6"-3' Tan/Red  
SCL  
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/damp

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 (4:30)  
coming off  
slightly platey  
5'-7 1/2' Tan/Yellow  
LS w/ gravel  
7 1/2'-9' Tan/Grayish  
SCL  
9' rock bottom

note "322"

0-6" topsoil  
6"-2 1/2' Tan/Yellow  
SCL loose  
w/ roots  
2 1/2'-4' Tan/Reddish/Y  
SCL hard pn  
w/ gravel  
4'-6' Tan/Yellow/Reddish  
SL w/ 1" top  
gravel  
6'-11' Tan/Br./Some  
gray  
LS w/ some  
gravel

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 ~ FAIL due to		
			repair time 10:16 am	40 sec 1 min	1 min 45 sec	> 50% rock @ 8'		
10/12/22	323	5'	10:30 am	30 sec	10:31 am	2mp (P)		
			repair time 10:33 am	40 sec 1 min	10:34 am			
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)		
			10:13					

note "325"

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

hole "314"

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

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

AVP

"313"

0-3" top soil  
 3"-2' Tan CL w/ roots  
 2'-3' Red/Brc. CL hard pan  
 3'-5' Red/Yel. SCL hard pan w/ >40% shale/rock  
 5'-9' Tan/Brc. SCL (hard/porous) >50% shale  
 9'-12' Tan SCL looser (mainly) less >15% shale

"314"

0-3" top soil  
 3"-1' Tan/Brc. CL w/ roots  
 1'-4' Red/Yellow CL hard pan  
 4'-7' Tan/Brc. SCL hard pan w/ >50% shale  
 7'-8' Red/Brc. CL hard bottom

"312"

0-4" top soil  
 4"-2 1/2' Tan CL w/ roots  
 2 1/2'-4' Red/Brc. SCL still + grt some gravel

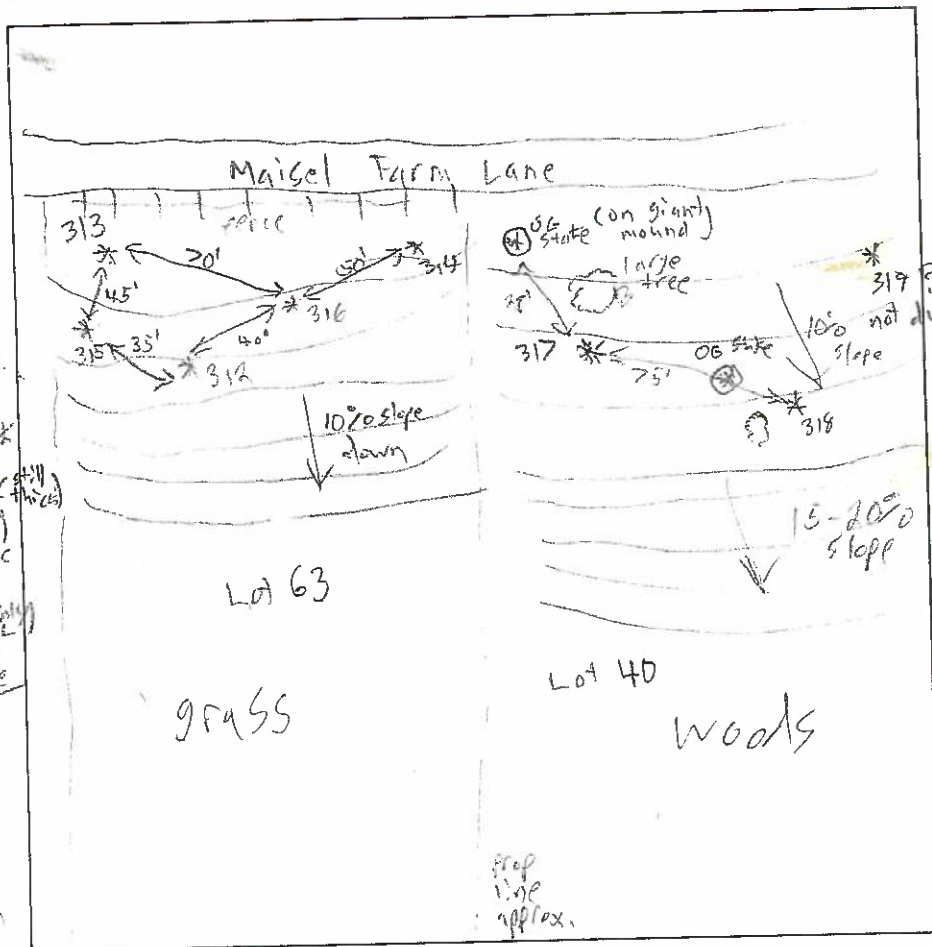
4'-5' Red/Yellow SCL (light) mainly SL

5'-9' Tan/Brc. SCL loose

9'-12' white tan LS (por. lite)

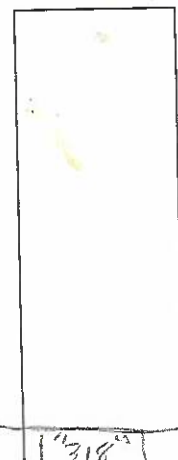
"315"

0-4" top soil  
 4'-2 1/2' Tan/Yellow SCL (light)  
 2 1/2'-5' Tan/Brc. SCL (to gravel)  
 5'-10' Tan/Yellow SL >50% root/shale



"316"

0-3" top soil  
 3"-2' Tan SCL tight compact  
 2'-3' Red/Tan SCL (still tight)  
 3'-4 1/2' Tan/Red SCL compact but loose  
 4 1/2'-8' Tan/Red SL w/ some shale  
 8'-9' Red/Brc. SCL some shale hard bottom  
 9' (mainly) calc. br. break th



"318"

0-3" top soil/veg  
 3"-2' Br. Tan CL hard/black  
 2'-4' Tan/Yellow hard pan w/ >50% shale  
 4'-5' Tan/Red SCL still hard/compact  
 5'-7' Tan/Brc. SL w/ gravel  
 Hard bottom @ 7'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
9/23/22	313	6'	10:58am	11:00	11:03	3mp.	(P)	
9/23/22	314	UNSAT SOILS						(F)
9/23/22	312	5'	11:53 am	30 sec	55 sec	too fast repair		
9/23/22	312(2)	5'	11:55 am	11:56am	11:58 am	2mp.	(P)	
9/23/22	315	UNSAT SOILS						(F)
9/23/22	316	4'	1:00pm	1:03pm	1:08pm	5mp.	(P)	
9/23/22	317	5'	2:06pm	3:04	3:18pm	14mp.	(P)	
9/23/22	318	UNSAT SOILS						(F)

REMARKS More testing may be required

SANITARIAN Zack Silvest BACKHOE J. Allen OTHERS T. Fertitta (FCC)

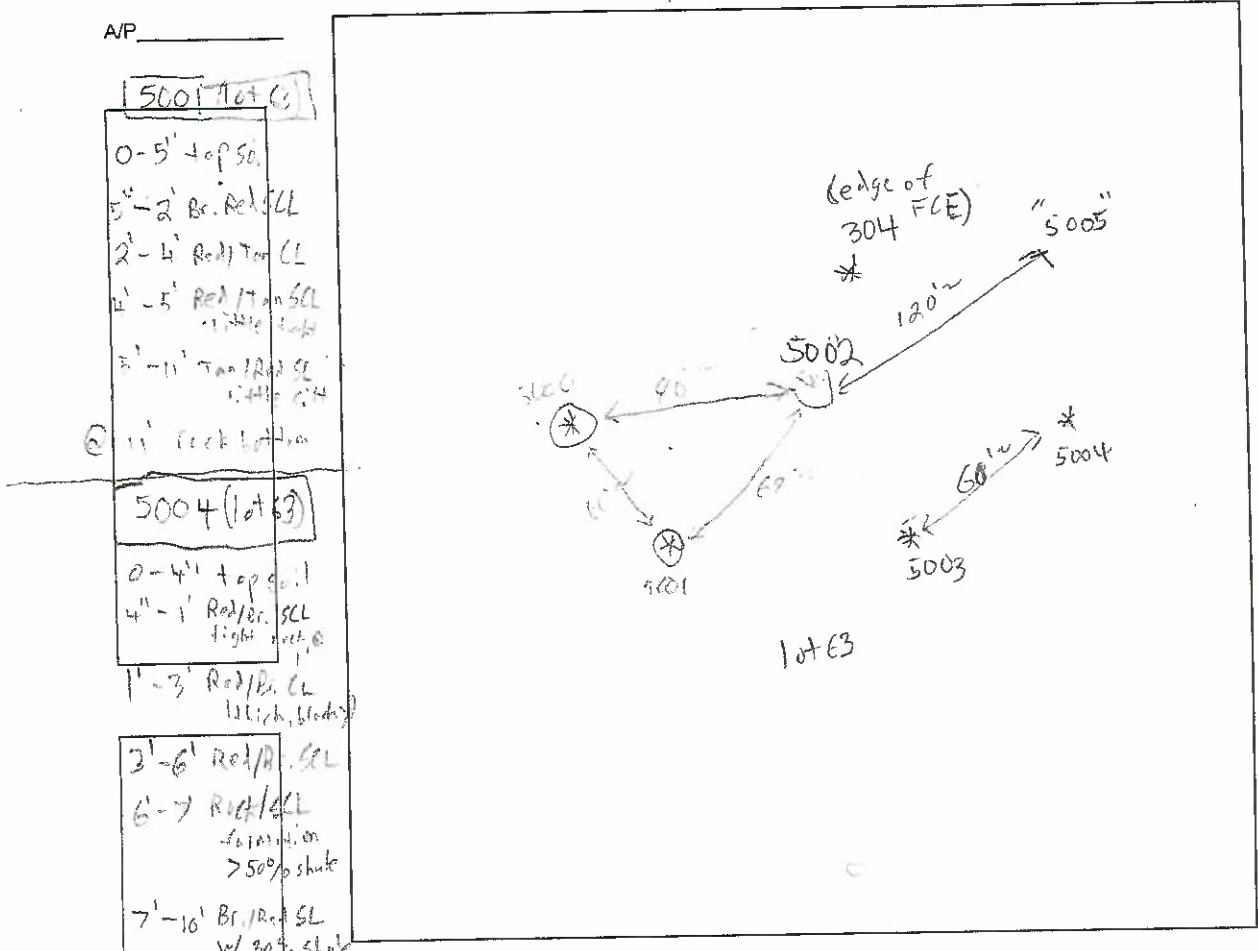
TEST HOLES USED IN SDA TBA AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

# Buckskin Lots (30, 39, 40, 63, 64)

A/P

304



0-3" top soil  
3'-1' Br. SL  
1'-3' Br. Red SCL  
(hard shale)  
3'-1' Red Tan SCL  
5'-12' Tan LS

**5002 (lot 63)**  
0-4" top soil  
4'-2' Red/Tan SCL

2'-3 1/2' Red/Tan SCL  
3 1/2'-4' Red/Tan SCL  
4'-9' Tan/Red SCL  
rock bottom @ 10'

**5000 (lot 63)**  
0-4" top soil  
4'-2' Red/Tan SCL  
hard pan at bottom  
2'-4' Red/Tan SCL  
4'-12' Tan LS

**301 (lot 64)**  
0-4" top soil  
4'-1 1/2' Tan SCL  
1 1/2'-4' Tan SCL  
4'-7' Br. Red SCL  
7'-12' Tan SCL

**300 (lot 64)**  
0-4" top soil  
4'-3' Tan SCL  
2'-4' Red/Tan SCL  
4'-6' Red/Tan SCL  
6'-8' Tan/Yellow  
8'-12' Tan LS

**5001 (lot 63)**

0-5' top soil  
5'-2' Br. Red SCL  
2'-4' Red/Tan SCL  
4'-5' Red/Tan SCL  
2'-11' Tan/Red SCL  
rock bottom @ 11'

**5004 (lot 63)**

0-4" top soil  
4'-1' Red/Br. SCL  
1'-3' Red/Br. SCL

3'-6' Red/Br. SCL  
6'-7' Red/SCL  
7'-10' Br. Red SCL  
rock bottom @ 10'

**5003 (lot 63)**

0-4" top soil  
4'-16' Br. SL  
1 1/2'-3' Br. Red SCL  
2'-4' Red/Br. SCL  
7'-9' hard pan  
rock bottom @ 9'

**5005 (lot 63)**

0-4" top soil  
4'-1 1/2' Tan SCL  
1 1/2'-3' Tan/Red SCL  
3'-4' Tan/Red SCL  
4'-12' Br. Tan LS

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/15/22	5001	6'	10:14 am	10:18 am	10:25 am	7mp.	(P)
7/15/22	5004	INSAT	INSAT	soils			(F)
7/15/22	5003	INSAT	INSAT	soils			(E)
7/15/22	5005	5'	10:50 am	10:52 am	10:55 am	3mp.	(A)
7/15/22	5002	6'	11:15 am	11:18 am	11:20 am	6mp.	(P)
7/15/22	5002	5'	11:40 am	11:46 am	11:54 am	8mp.	(P)
7/15/22	300	7'	1:34 pm	1:35	1:37	2mp.	(P)
7/15/22	301	8'	1:44 pm	1:46 pm	1:50 pm	4mp.	(P)
7/15/22	5000	5'	3:06 pm	3:07 pm	3:09 pm	2 mp.	(A)

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 \_\_\_\_\_

# Buckskin Lots 30, 34, 40, 63, 64

A/P

311 (Lot 50)

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

305 (Lot 63)

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

See  
 perc plan  
 for locations

310 (Lot 50)

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

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/ rock  
 6'-12' Tan/Gold SCL  
 thick w/ roots  
 wet @ 8 1/2'  
 WT @ 9'  
 NT

306 (Lot 63)

0-3" top soil  
 3"-1 1/2' Br./Tan SL  
 1 1/2'-3' Br./Tan SL  
 (poor)  
 3'-8' Tan/Red SCL  
 rock bottom  
 @ 8'

309 (Lot 39)

0-4" top soil  
 4"-2' Br./Tan SCL  
 tight  
 2'-4' Br./Red SCL  
 angular shale  
 4'-8' Red/Br SCL  
 100% fine  
 w/ shale  
 9'-10' Tan/Gold SCL  
 w/ shale  
 10' rock bottom

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

308 (Lot 40)

0-5" top soil  
 5"-1 1/2' Br. SL  
 1 1/2'-3' Tan/Red SCL  
 tight  
 3'-5' Br./Red SCL  
 very loose  
 5'-8' Tan/Br/wh  
 LS w/ shale  
 100%

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 100%

# APPLICATION

PERCOLATION TESTING

A 38035

P \_\_\_\_\_

DISTRICT 5

DATE 10/22/86

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

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 Dale Z. Maisel  
Howard County Land Services Inc. Suite 210  
ADDRESS 10176 Balto Natl Pike Ellicott City, 21043 PHONE 465-5855

PROSPECTIVE BUYER N/A

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

PROPERTY LOCATION: \_\_\_\_\_

SUBDIVISION Buckskin ~~East~~ WOODS sec. 2 LOT NO. X LOT 44

ROAD AND DESCRIPTION Folly Quarter Rd + Buckskin Lake Dr

TAX MAP 22 PARCEL # 526

SIZE OF LOT 3 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. Dale Z. Maisel  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING 11/25/86 - PERC OK HOLD FOR PLAT

# THIS IS NOT A PERMIT

Lot 1

400

242

SOIL PROFILE



HOLE ELEVATIONS  
 (1)(3) = HIGH  
 (5) = MEDIUM  
 (2)(4) = LOW

SEE PLOT FOR DRAWING OF LOT

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

(2) BROWN CLAY

TAN SAND LOAM

(3) BROWN CLAY

BEIGE SAND LOAM

(4) BROWN CLAY

LIGHT BROWN SAND LOAM

(5) BROWN CLAY  
 LIGHT BROWN SAND LOAM

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
11/25/86	1S	4	1031	1034	1034	1037	3
	1V	11	OK				
	2S	5	1033	1040	1040	1043	
	2V	12 1/2	OK				
	3S	4	1040	1043	1043	1045	2
	3D	7	1040	1043	1043	1045	
	3V	11	OK				
	4S	5	1051	1054	1054	1056	
	4V	13					2
	5V	12 1/2	OK				
	2M	6 1/2	1100	1105	1105	1112	7

REMARKS \_\_\_\_\_

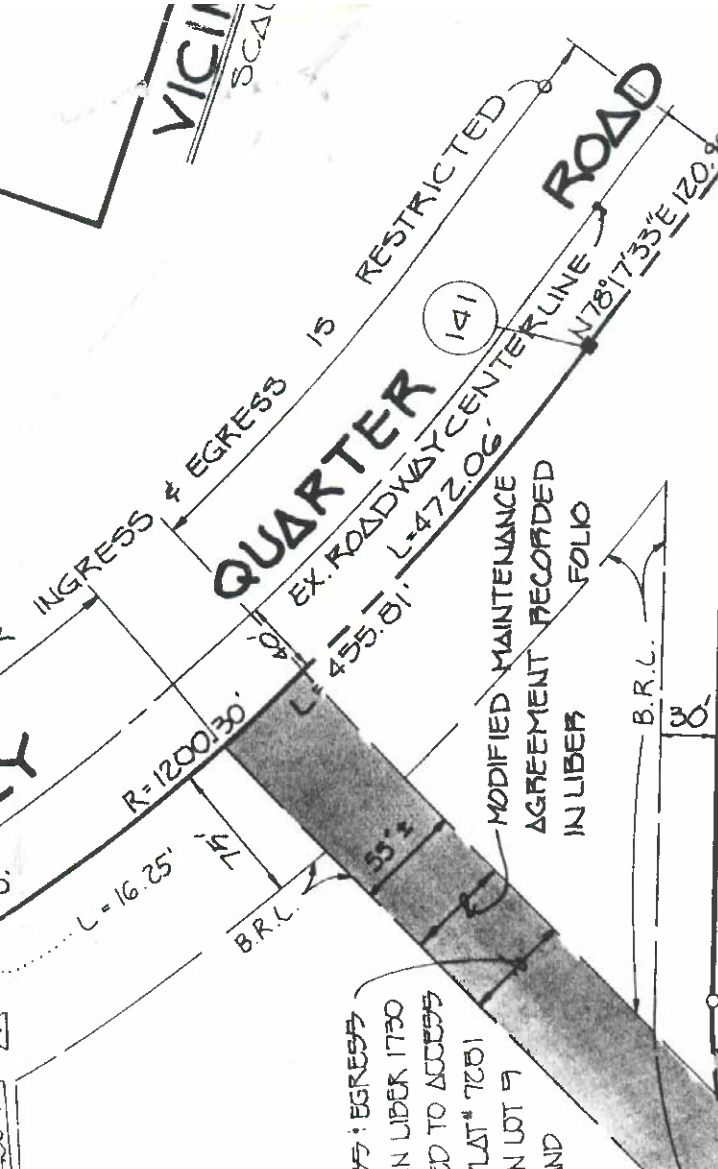
TYPE OF SOIL \_\_\_\_\_

TESTED BY R. HORGES

ALSO PRESENT D. KETTERMAN & P. P.

VICIN SCAL

# QUARTER ROAD



**LOT 44**  
7.974 AC.±

EXISTING PRIVATE INGRESS: EGRESS RIGHT OF WAY RECORDED IN LIBER 1730 AT FOLIO 244 TO BE USED TO ACCESS LOT 37:40 SHOWN ON PLAT # 7201 AND 4445, SHOWN HERE ON LOT 9 SHOWN ON PLAT # 4733 AND PARCEL RECORDED IN LIBER 347 AT FOLIO 452

MODIFIED MAINTENANCE AGREEMENT RECORDED IN LIBER FOLIO

**LOT 45**  
4.213 AC.±

25' WETLAND BUFFER

- GENERAL NOTES**
1. THIS AREA DESIGNATED AS A PRIVATE SEWAGE DISPOSAL SYSTEM AS REQUIRED BY THESE AREAS RESTRICTED ENVIRONMENT BY HEALTH OFFICER SHALL BECOME PUBLIC WASTEWATER TREATMENT PLANT. ANY VARIANCES FOR ENCROACHMENTS INTO THE SUBJECT LOT HEREON SHALL HAVE THE AUTHORITY OF THE BOARD OF HEALTH AND THE HEALTH DEPARTMENT AND BE SUBJECT TO THE ZONING REGULATIONS OF THE MARYLAND DEPARTMENT OF ENVIRONMENTAL CONTROL. THE COORDINATES PROJECTED BY THE MARYLAND DEPARTMENT OF ENVIRONMENTAL CONTROL ARE BASED ON NAD 83 AS PER 8/2/85.
  2. FOR FLAG OR PIPE STEM TO BE PROVIDED BY THE FLAG OR PIPE MAINTENANCE COMPANY.
  3. DENOTES STEM DRIVEWAY TO BE PROVIDED AT THE BUILDING DRIVEWAY.
  4. DENOTES IRON PIPE SET CAPPED AT THE COLLECTION POINT.
  5. DENOTES AN ANGULAR CHANGE IN BEARING OF THE COMMON DRIVEWAY OR MONUMENT SET WITH BOUNDARY OF LOT NOS. 44 AND 45.
  6. DENOTES DRIVEWAY FOR RESIDENTIAL OCCUPANCY REQUIREMENTS.
  7. DENOTES WIDTH OF 44 AND 45 SHALL BE 20 FEET.
  8. DENOTES SURFACE SHALL BE 20 FEET.
  9. DENOTES RUN BASH.
  10. DENOTES GEOM.
  11. DENOTES CONCRETE MONUMENT SET WITH BOUNDARY OF COMMON DRIVEWAY FOR RESIDENTIAL OCCUPANCY REQUIREMENTS.
  12. DENOTES DRIVEWAY FOR RESIDENTIAL OCCUPANCY REQUIREMENTS.
  13. DENOTES DRIVEWAY FOR RESIDENTIAL OCCUPANCY REQUIREMENTS.
  14. DENOTES DRIVEWAY FOR RESIDENTIAL OCCUPANCY REQUIREMENTS.
  15. DENOTES DRIVEWAY FOR RESIDENTIAL OCCUPANCY REQUIREMENTS.
  16. DENOTES DRIVEWAY FOR RESIDENTIAL OCCUPANCY REQUIREMENTS.
  17. FOR SEWAGE DISPOSAL A PRIVATELY MAINTAINED PUMPING SYSTEM SHALL BE REQUIRED FOR EACH OF THE DWELLINGS ON LOT NOS. 44 AND 45.
  18. FILE REFERENCES FOR PRIOR SUBMISSIONS: F 87-27

*F 92-28*  
*Buckskin woods*  
*4/14/95*  
*for planting*  
*3/26/92*  
*Result ab*  
*41*

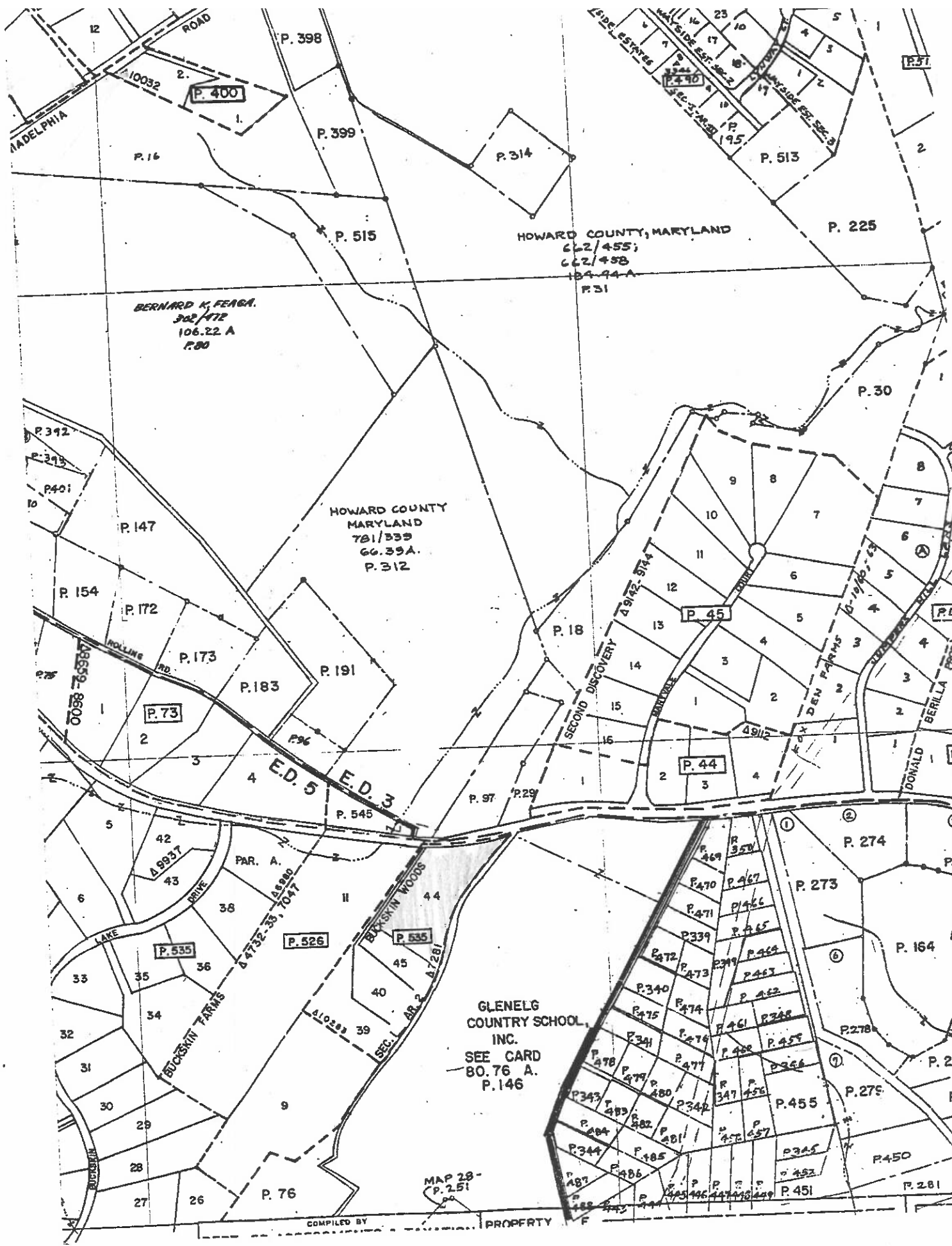
PRIVATE INGRESS: EGRESS R/W 1730 / 244

GLENELG COUNTRY SCHOOL  
L 4440, F 738

**OWNER AND DEVELOPER**  
DONALD R. REUMER, JR.  
10805 HICKORY RIDGE ROAD  
COLUMBIA, MARYLAND 21044

OF THE PROPERTY  
OPT THIS PROPERTY  
APPROV.

FISHER, COLLINS & CO.  
CIVIL ENGINEERS



BERNARD K. FEAGA.  
302/472  
106.22 A  
P.80

HOWARD COUNTY  
MARYLAND  
781/339  
66.39A.  
P.312

HOWARD COUNTY, MARYLAND  
622/455;  
622/458  
134.94 A  
P.31

GLENELG  
COUNTRY SCHOOL,  
INC.  
SEE CARD  
80.76 A.  
P.146

MAP 28 -  
P. 251

COMPILED BY PROPERTY F

## Silvast, Zackary

**From:** Silvast, Zackary  
**Sent:** Friday, November 17, 2023 11:13 AM  
**To:** Luke Groom  
**Cc:** Paul Cavanaugh; Freemon, Robert; Eshenbaugh, Melanie  
**Subject:** regarding 4254 Maisel Farm Lane (Buckskin Woods - Lot 63) revision comments  
**Attachments:** updated spec sheet for Lot 63 Buckskin Woods.pdf

To Whom It May Concern,

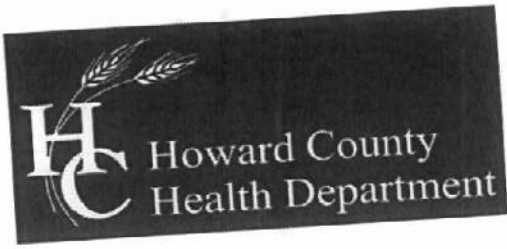
We have the following revision comments for Lot 63 of Buckskin Woods that need to be addressed in order to obtain approval. Please see down below.

1. The septic tanks need to maintain a minimum 100' distance off the drilled wells. ✓
2. There is an existing well tag, please provide and label the correct well. ✓
  - a. In general notes correct.
  - b. Add on plot plan also.
3. You need to show all the previous perc holes for this lot (missing a passing hole, need to show the failed ✓ holes)
  - a. Failed holes can be faint/faded in a light ink tone.
4. Initial system trench details need to be corrected based on updated spec sheet. (see attached)
  - a. Need to fix in provided system notes & in actual detail
  - b. Invert needs to come up in soil horizon.
  - c. This may impact dbox depth. ✓
5. Need to provide more thorough labeling on trench detail. ✓ *initial ok*
6. Should show future trench details for reserve systems.
  - a. Bolden the initial system. ✓
7. First replacement septic system could angle the trenches to be more on contour and provide decent space end to end off of second replacement system. ✓
  - a. Right now it's not great and more space should be provided, ideally 5 feet is sought. ✓
8. Dbox should be closer to system, no reason for it to be so far away and potentially impact 1<sup>st</sup> replacement ✓ with it's install and lines running from it.
9. Add a note that "The septic system is designed for a maximum of 5 bedrooms and will not be able to increase beyond a 5BDR house. There is no available area left to perc test on this lot to ever increase the septic flow beyond 750 gallons per day." ✓
10. Technically you could downgrade the two tanks to 1500 GAL each if desired. ✓

We look forward to your re-submittal and swift approval. Thank you.

- ZS

**Zack Silvast (LEHS)**  
Plan Review Supervisor - Water & Sewer Division  
410-313-1777  
Environmental Health Bureau  
Howard County Health Department



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: 4252 Maisel Farm Lane Lot: 63

Subdivision: Buckskin Woods

306,5005	Initial system:	Application rate: <u>1.2</u>	Effective area beginning depth: <u>3'</u>	Bottom maximum depth: <u>4'</u>
316,5005	1 <sup>st</sup> Replacement:	Application rate: <u>1.2</u>	Effective area beginning depth: <u>4'</u>	Bottom maximum depth: <u>5'</u>
312,5002, 325	2 <sup>nd</sup> Replacement:	Application rate: <u>0.8</u>	Effective area beginning depth: <u>4'</u>	Bottom maximum depth: <u>4'</u>

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:

- Trenches must be located to provide room for 3 systems in the disposal area
- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Tank and trenches must be placed as shallow as possible while maintaining 2% fall in pipe from house and at least 18" cover over trenches. If 2% fall from house is not possible, the minimum allowable fall is 1%.
- 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:

We are being cautious with 2nd replacement system due to rock bottom depths that may vary during future installation.

Approved: [Signature] Date: 11/17/23

**FISHER, COLLINS  
& CARTER, INC.**

CIVIL ENGINEERING CONSULTANTS  
and LAND SURVEYORS

# Transmittal

Terrell A. Fisher, P.E., L.S.  
Earl D. Collins, P.E.  
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.  
Mark L. Robel, P.L.S.  
Aldo M. Vitucci, P.E.  
Frank Manalansan II, L.S.

*Due*  
*OSDS*  
*11/2*

Via:  Fax  Mail  Messenger  E-Mail  To Be Picked Up  
 Fax (original to follow via U.S. Mail)

To: **Bureau of Environmental Health**  
8930 Stanford Blvd  
Columbia, MD 21045  
Attn: **Zack Silvast**  
Fax:  
Phone:

From: **Luke A. Groom, P.E.** CC:

Re: **Buckskin Woods, Lot 63** W.O.# **61260**  
Date: **October 18, 2023** Pages: **3** Page(s) Including this cover

We are forwarding:  Prints  Copy of Letter  Specifications  Shop drawings  Other  
 Urgent  For your use  As requested  For Review & Comment

Remarks:

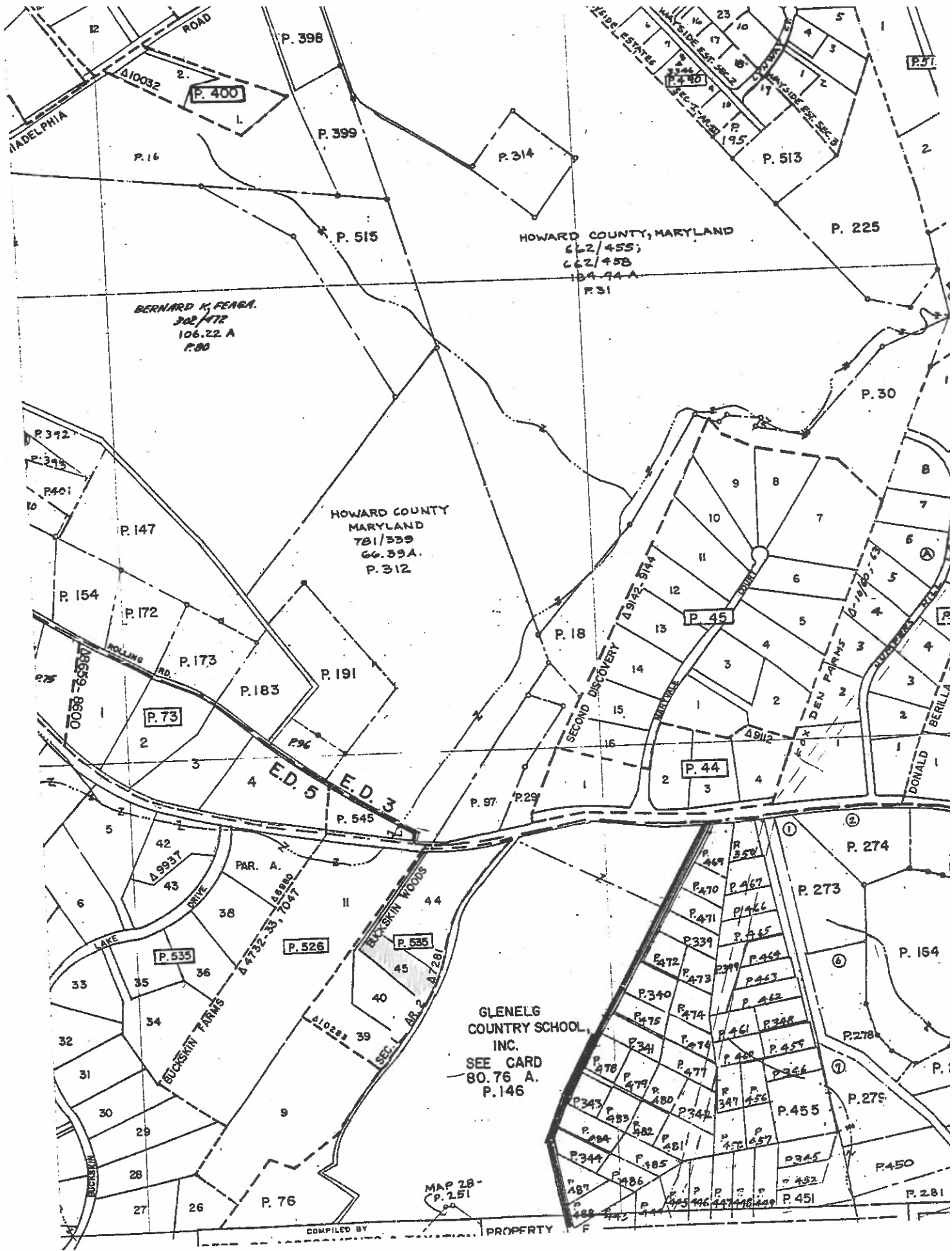
**Mr. Silvast:**  
In conjunction with the submission of the above referenced project.  
Attached you should find:  
**3 Sets of Septic Installation Plan**

Please feel free to contact me if you require any additional information.  
Regards,

*Luke Groom*  
Luke A. Groom, P.E.

**CONFIDENTIALITY NOTICE**

This transmission contains confidential information which may be legally privileged, and is intended only for the use of the individual named above. If you are not the intended recipient, you are hereby notified that any distribution (except to the intended recipient), copying, or disclosure of this transmission is strictly prohibited.



BERNARD K. FEARA.  
302/472  
106.22 A  
P.80

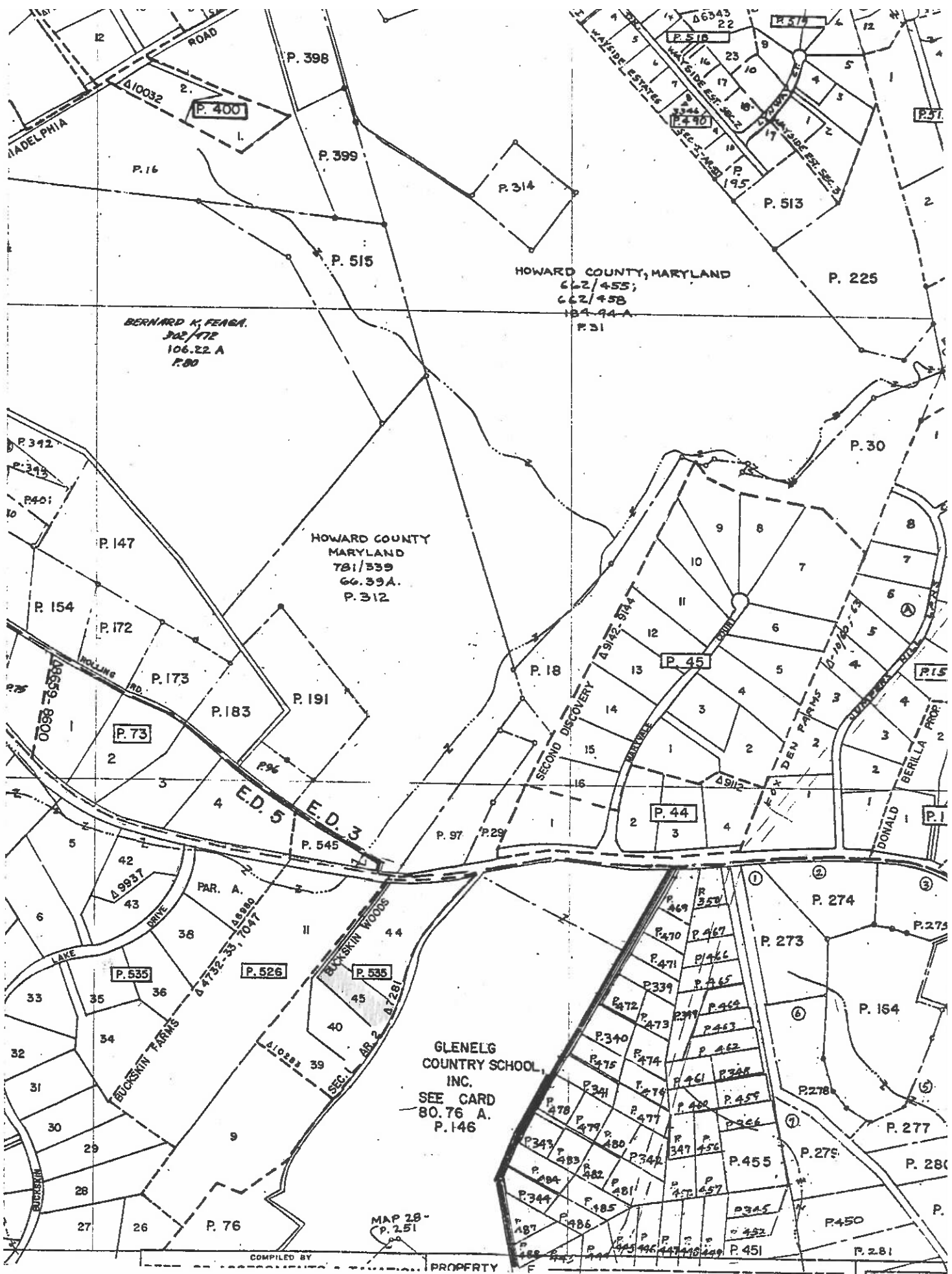
HOWARD COUNTY  
MARYLAND  
781/339  
66.39A.  
P.312

HOWARD COUNTY, MARYLAND  
662/455;  
662/458  
64-94A  
P.31

GLENELG  
COUNTRY SCHOOL,  
INC.  
SEE CARD  
80.76 A.  
P.146

MAP 28 -  
P. 251

COMPILED BY \_\_\_\_\_ PROPERTY \_\_\_\_\_



BERNARD K. FEAGA.  
302/472  
106.22 A  
P.80

HOWARD COUNTY  
MARYLAND  
781/339  
66.39A.  
P.312

HOWARD COUNTY, MARYLAND  
622/455;  
662/458  
184-94A  
P.31

GLENELG  
COUNTRY SCHOOL,  
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SEE CARD  
80.76 A.  
P.146

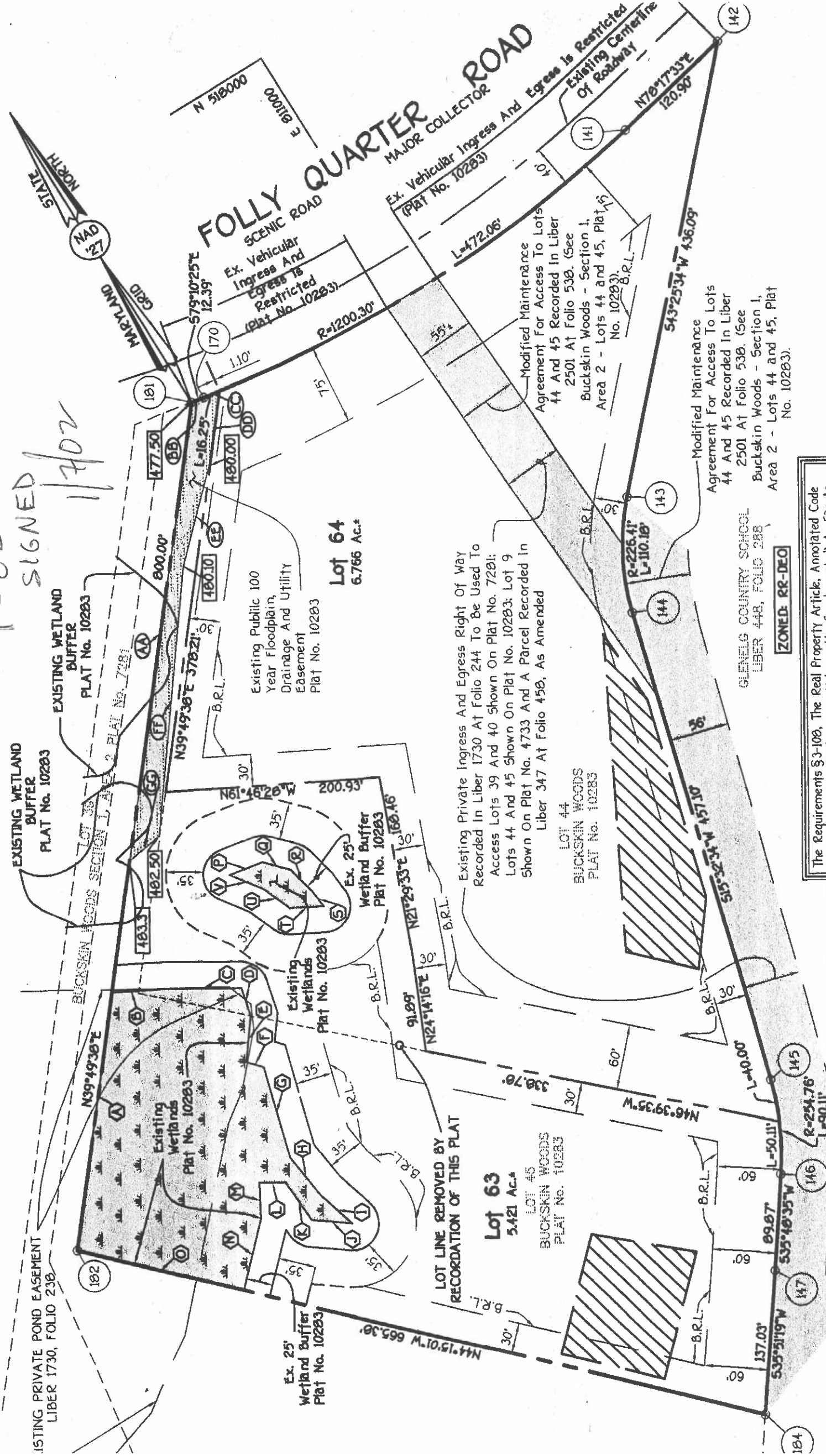
MAP 28 -  
P. 251

COMPILED BY  
PROPERTY



The 100 Year Floodplain Is Contained  
in The Pipestem Of Lot 63.

F-02-075  
SIGNED  
1/7/02



EXISTING PRIVATE POND EASEMENT  
LIBER 1730, FOLIO 238

EXISTING WETLAND  
BUFFER  
PLAT No. 10283

EXISTING WETLAND  
BUFFER  
PLAT No. 10283

Existing Wetlands  
Plat No. 10283

Ex. 25'  
Wetland Buffer  
Plat No. 10283

Existing Public 100  
Year Floodplain,  
Drainage And Utility  
Easement  
Plat No. 10283

**Lot 64**  
6.766 Ac.±

LOT LINE REMOVED BY  
RECORDATION OF THIS PLAT

**Lot 63**  
3.421 Ac.±  
LOT 45  
BUCKSKIN WOODS  
PLAT No. 10283

Existing Private Ingress And Egress Right Of Way  
Recorded In Liber 1730 At Folio 244 To Be Used To  
Access Lots 39 And 40 Shown On Plat No. 7281;  
Lots 44 And 45 Shown On Plat No. 10283; Lot 9  
Shown On Plat No. 4733 And A Parcel Recorded In  
Liber 347 At Folio 458, As Amended

LOT 44  
BUCKSKIN WOODS  
PLAT No. 10283

Modified Maintenance  
Agreement For Access To Lots  
44 And 45 Recorded In Liber  
2501 At Folio 538. (See  
Buckskin Woods - Section 1,  
Area 2 - Lots 44 and 45, Plat No. 10283).

Modified Maintenance  
Agreement For Access To Lots  
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Buckskin Woods - Section 1,  
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No. 10283).

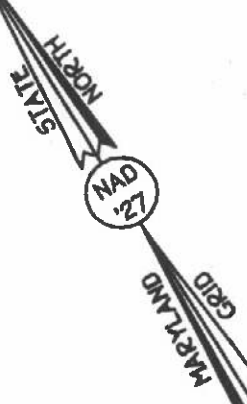
GLENELG COUNTRY SCHOOL  
LIBER 448, FOLIO 288

ZONED: RR-DEO

The Requirements §3-108, The Real Property Article, Annotated Code

# FOLLY QUARTER ROAD

MAJOR COLLECTOR ROAD



N 518000  
E 81000

Ex. Vehicular  
Ingress And  
Egress Is  
Restricted  
(Plat No. 10283)

Ex. Vehicular Ingress And Egress Is Restricted  
(Plat No. 10283)

Ex. Vehicular Ingress And Egress Is Restricted  
Of Roadway  
Existing Centerline