

# APPLICATION

117, 118, 119  
120, 121

PERCOLATION TESTING

A518904-BB

P \_\_\_\_\_

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

DISTRICT 4TH

DATE 5/13/03  
5/22/03

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 EDGEWOOD FARM, INC.

ADDRESS 14919 ROXBURY RD GLENELG MD 21737 PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER TOLL BROTHERS, INC.

ADDRESS 7164 COLUMBIA GATEWAY DR SUITE 230  
COLUMBIA, MD 21046 PHONE (410) 872-9105

PROPERTY LOCATION:

SUBDIVISION EDGEWOOD FARM LOT NO. 2831

ROAD AND DESCRIPTION ROXBURY RD

TAX MAP 21 PARCEL # 20

SIZE OF LOT 1 Ac ± TYPE BLDG. SINGLE FAMILY  
(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.

Bruce R. O'Neil  
BRUCE R. O'NEIL (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. # \_\_\_\_\_ DATE \_\_\_\_\_

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

# THIS IS NOT A PERMIT

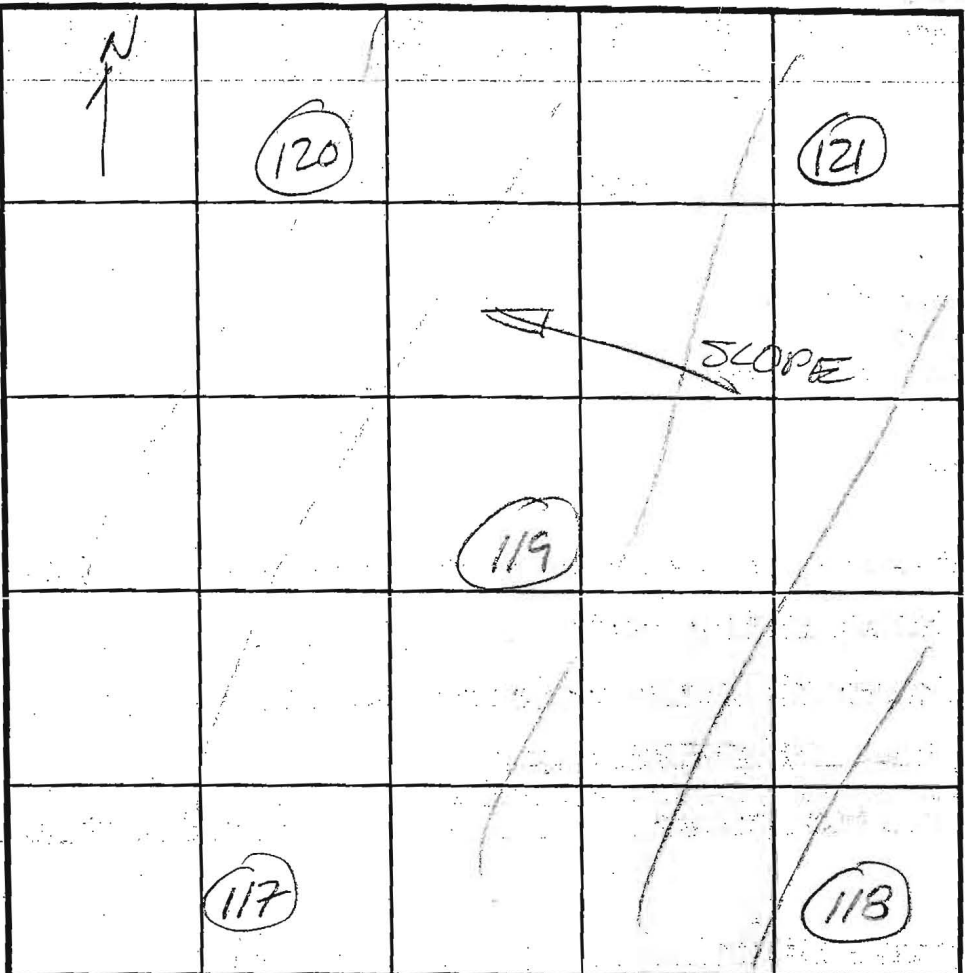
COUNTY #

SOIL PROFILE

0' 117  
 Brown loam  
 Red Salcom 8 1/2'  
 Yellow Salcom  
 ↓  
 Salcom 20-30% Cherty Decayed Gravels 10'

118  
 DK Brown loam 5 1/2'  
 Red clay loam 5'  
 Yellow Silty loam  
 ↓  
 Salcom 5-10% Cherty Decayed Gravels 13'

119  
 DK Brown loam 1'  
 Heavy yellow loam 2 1/2'  
 Red Salcom 1 1/2'  
 Yellow Silty Salcom  
 ↓  
 Salcom Hard Decayed Gravels



SOIL PROFILE

0' 120  
 DK Brown loam 1 1/2'  
 Red Salcom 3'  
 Yellow Brown Salcom 8'  
 Brown Salcom 12 1/2'  
 121  
 Brown loam 5 1/2'  
 Red Salcom 5 1/2'  
 Yellow & Brown Salcom 5' 5 1/2' gravel pocket  
 5' 5 1/2'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/6/03	117	5' / 10'	9:55	9:57	9:57	10:03	6 min	P
	118	6 1/2' / 13'	10:04	10:12	10:12	10:24	12 min	
			REPOUR	10:22	10:22	10:31	9 min	P
	119	6' / 10 1/2'	10:17	10:22	10:22	10:28	6 min	P
	120	5 1/2' / 11 1/2'	10:40	10:44	10:44	10:48	4 min	P
	121	5' / 10'	10:52	10:58	10:58	11:04	6 min	P

REMARKS \_\_\_\_\_

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

TESTED BY FA ALSO PRESENT Bob Shesky  
Eric Johnson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_

COUNTY #

SOIL PROFILE

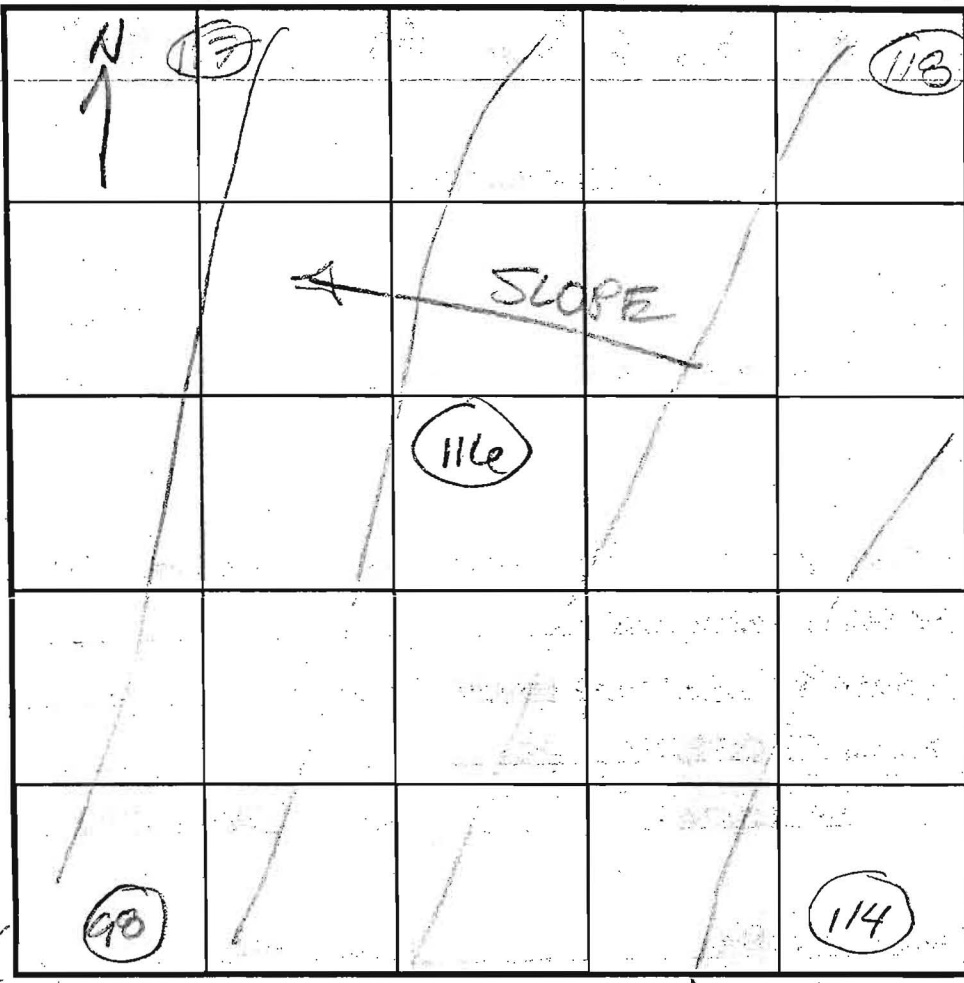
0' 114  
 DE Brown Loam 8"  
 Heavy Red Loam 3 1/2'  
 Red Loam 5 1/2'  
 Yellow Brown Sil Loam 15-20 Cobbles 4'

99  
 Brown Loam 1'  
 Yellow Brown Heavy Loam 3 1/2'  
 Red Sil Loam 4'

Yellow Brown Sil Loam  
 Sil Loam 15-20 Rock Hard Sil 1 1/2'

116  
 Brown Loam 1'  
 Yellow Brown Loam 2'  
 Red Sil Loam 4'

Brown Sil Loam 15-30% Heavy (Jagged) Gravel



SOIL PROFILE

0' 117  
 Brown Loam 1'  
 Red Sil Loam 3 1/2'  
 Yellow Sil Loam  
 Sil Loam 20-30% Cherty Gravel 10'

115  
 DE Brown Loam 8"  
 Red Sil Loam 5'  
 Yellow Sil Loam 3'  
 Sil Loam 5-10% Rock 13'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/10/03	114	6 1/2' 14	9 25	9 32	9 32	9 39	7min P
	99	5 1/2' 11 1/2'	9 31	9 35	9 35	9 40	5min P
	116	5 1/2' 11 1/2'	9 51	9 55	9 55	9 59	4min P
	117	5' 110'	9 55	9 57	9 57	10 03	6min
	118	6 1/2' 113'	10 04	10 12	10 12	10 24	12min

REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY FA ALSO PRESENT Bob Shastky  
Mark Johnson  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

# APPLICATION

98, 114, 116

PERCOLATION TESTING

A 518904AA

P \_\_\_\_\_

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

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AGENT OR PROSPECTIVE BUYER TOLL BROTHERS, INC.

ADDRESS 7164 COLUMBIA GATEWAY DR SUITE 230  
COLUMBIA, MD 21046 PHONE (410) 872-9105

PROPERTY LOCATION:

SUBDIVISION EDGEWOOD FARM LOT NO. 2130

ROAD AND DESCRIPTION ROXBURY RD

TAX MAP 21 PARCEL # 20

SIZE OF LOT 1 Ac ± TYPE BLDG. SINGLE FAMILY  
(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.

Bruce R. O'Neil  
BRUCE R. O'NEIL (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. # \_\_\_\_\_ DATE \_\_\_\_\_

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

# THIS IS NOT A PERMIT

N 01°45'13" W

16.72'

N 21°44'51" E  
121.98'

SECTION LINE

EASEMENT

LOT 36

LOT 37  
(40,428 SQ. FT.)

LOT 38

AT 19269



S 88°14'47" W  
350.39'

S 89°20'37" E  
302.92'

27.6'±

*Sewer*

SEPTIC SETBACK  
LOA/BACK

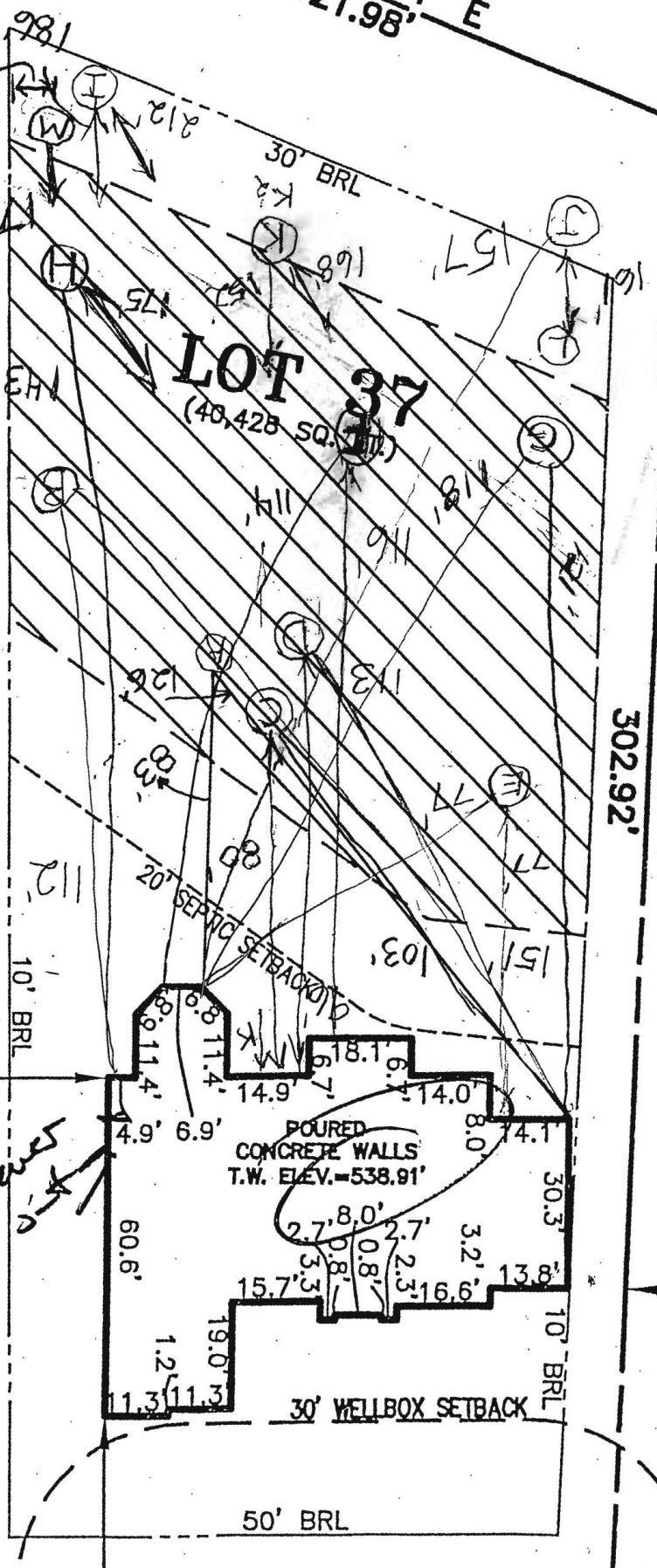
POURED  
CONCRETE WALLS  
T.W. ELEV. = 538.91'

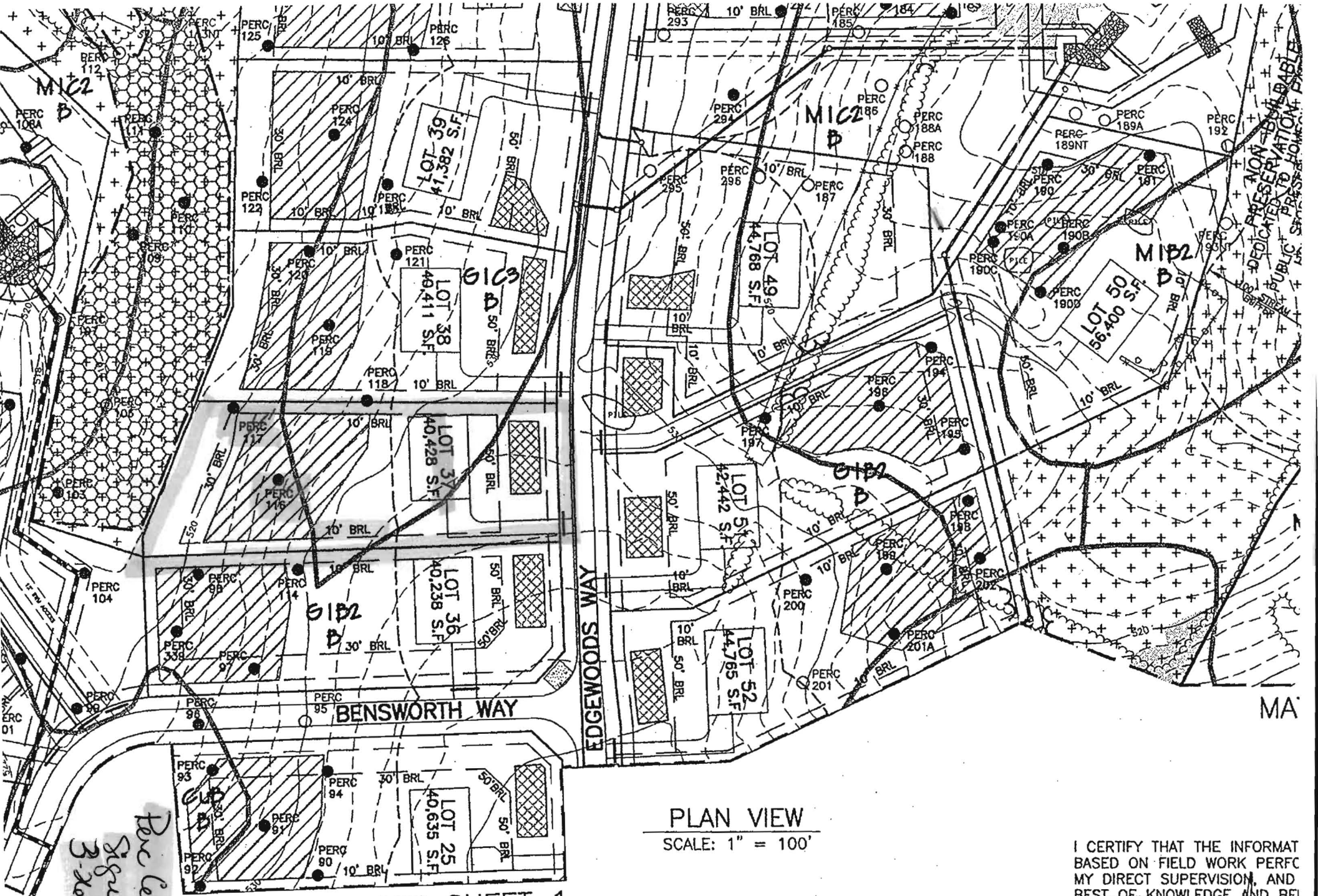
30' WELLBOX SETBACK

50' BRL

10.3'±

EXISTING  
MAINTEN  
PI





*Per cent  
Signed  
3-20-07*

MATCH LINE SEE SHEET 1

PLAN VIEW  
SCALE: 1" = 100'

I CERTIFY THAT THE INFORMAT  
BASED ON FIELD WORK PERFC  
MY DIRECT SUPERVISION, AND  
BEST-OF-KNOWLEDGE AND BEI

*[Signature]*  
DAVID THOMPSON  
PLAN PREPARER

NON-PRESERVABLE  
 DEDICATED TO PUBLIC USE  
 PRESERVATION

S 89°20'37" E

302.92'

350.39'

S 88°14'47" W

14553  
Edgewoods  
Way

20' SEPTIC SETBACK

10' BRL

Excessive  
Shallow  
Rock

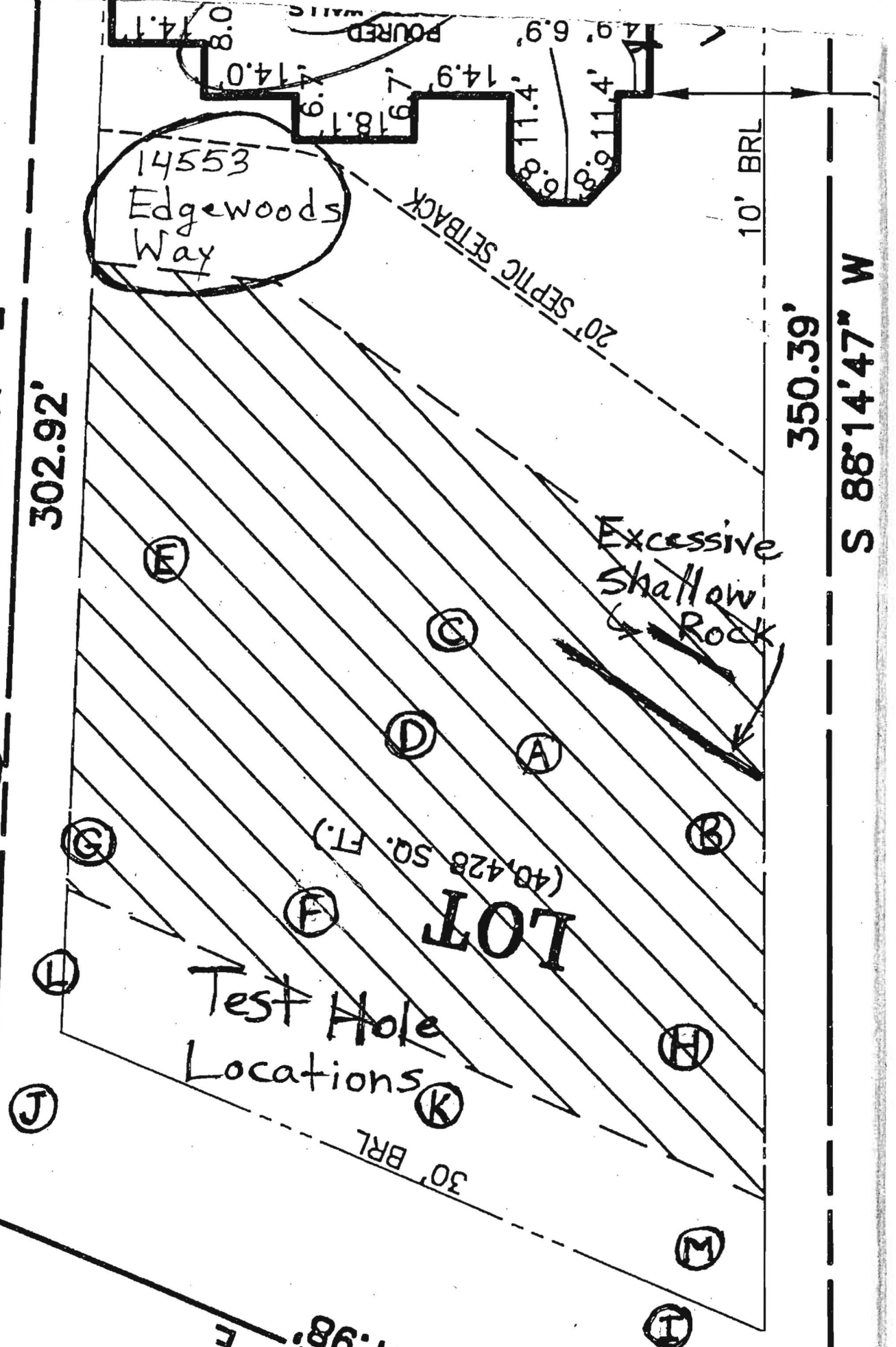
LOT  
(48,428 SQ. FT.)

Test Hole  
Locations

30' BRL

1" ~ 20'

44°51' E  
121.98'



S 89°20'37" E

302.92'

14553  
Edgewoods  
Way

20' SEPTIC SETBACK

10' BRL

350.39'

S 88°14'47" W

1" ~ 20'

Excessive  
Shallow  
Rock

(40,428 SQ. FT.)

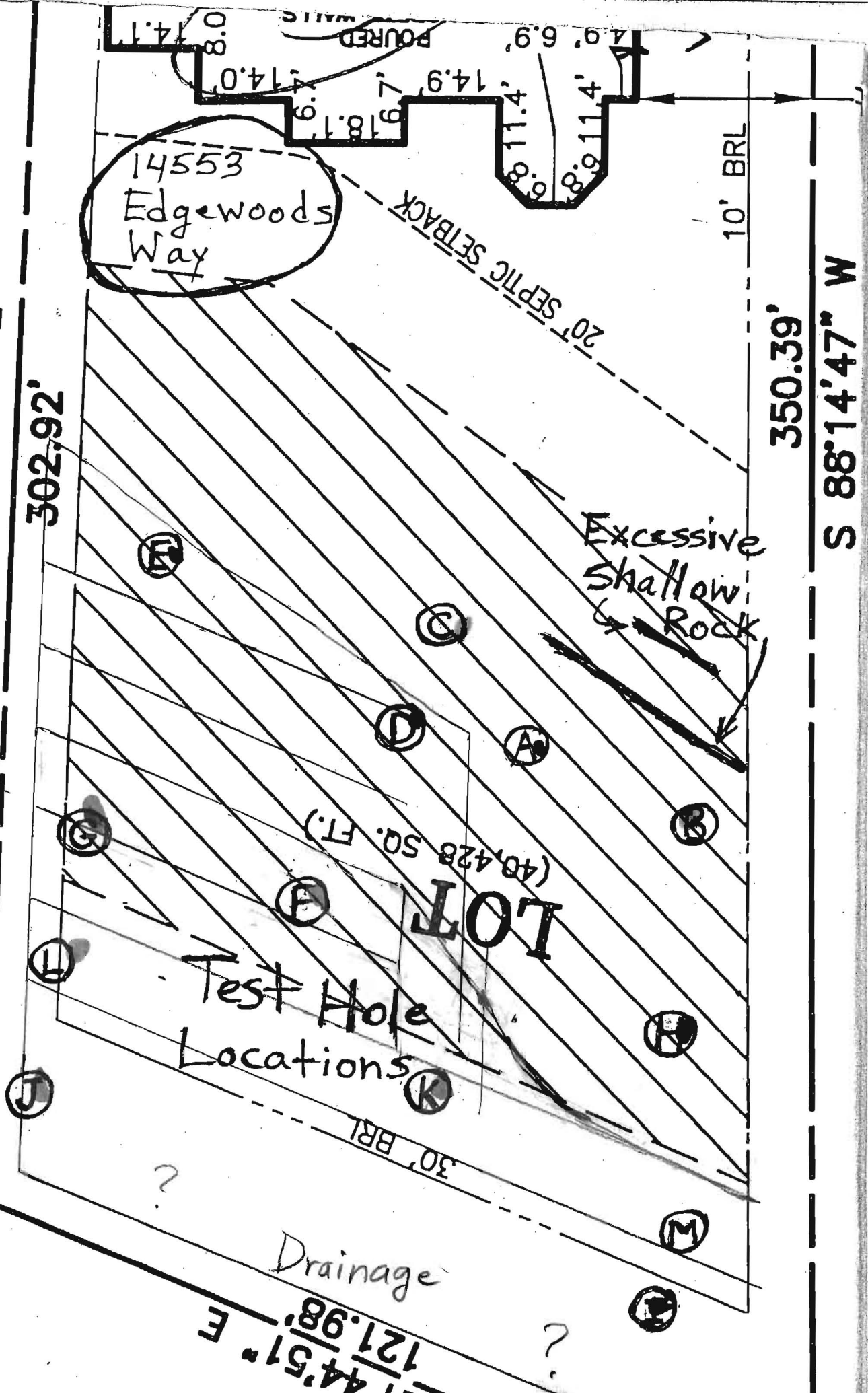
LOT

Test Hole  
Locations

30' BRL

Drainage

44'51" E  
121.98'





(K)

Br Moderately  
Dense Si  
Cl Loam

2'

Red Br  
Moderately  
Dense Sa  
Cl Loam  
Sa Loam

3'-3.5'

Fine  
Or Br  
Moderately  
Dense  
Loamy  
Sa

4'

(L)

Red Br  
Granular  
Si Cl Loam

2'-2.5'

Fine Or Br  
Moderately  
Dense Sa  
Cl Loam

4'

Fine Or  
Br  
Moderately  
Dense  
Loamy Sa

4.5'

(M)

Dense Br  
Cl Loam

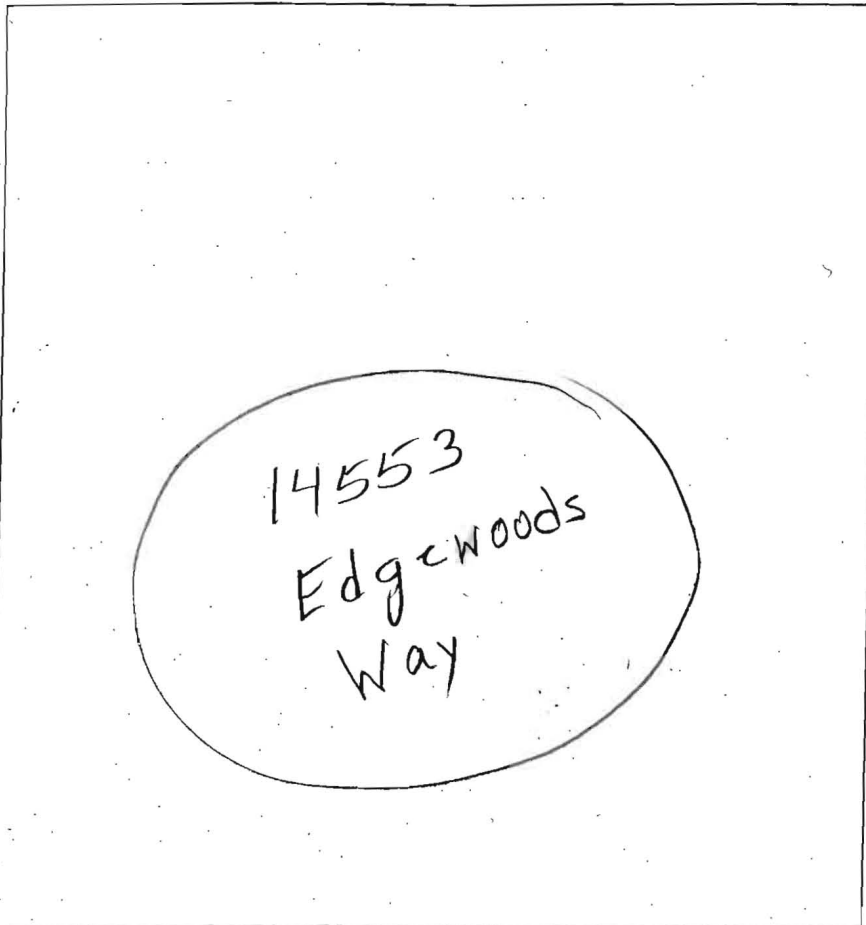
2'-2.5'

Or Br Fine  
Moderately  
Dense Sa  
Cl Loam

3'-3.5'

Fine Tan  
Moderately  
Dense  
Loamy  
Sa

4'

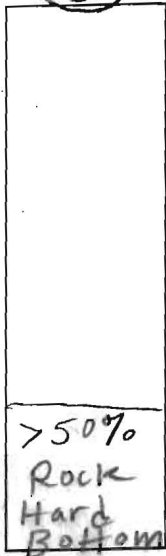


DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/4/2015	K	4	11:0:30	11:21	11:32	11	P
	L	4.5'	11:50	11:56	12:00:30	10 1/2	P
	M	4.5'	12:27	12:32	12:39	7	P

REMARKS \_\_\_\_\_  
 SANITARIAN B. Baker BACKHOE Fogles OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH 4' EFFECTIVE SAW \_\_\_\_\_

A/P

(G)

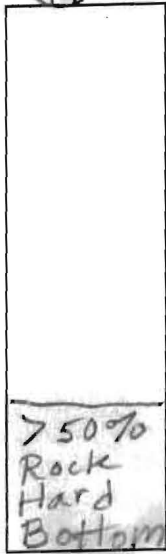


9'

>50%  
Rock  
Hard  
Bottom

10.5'

(H)

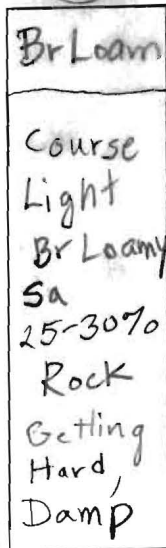


3.5'

>50%  
Rock  
Hard  
Bottom

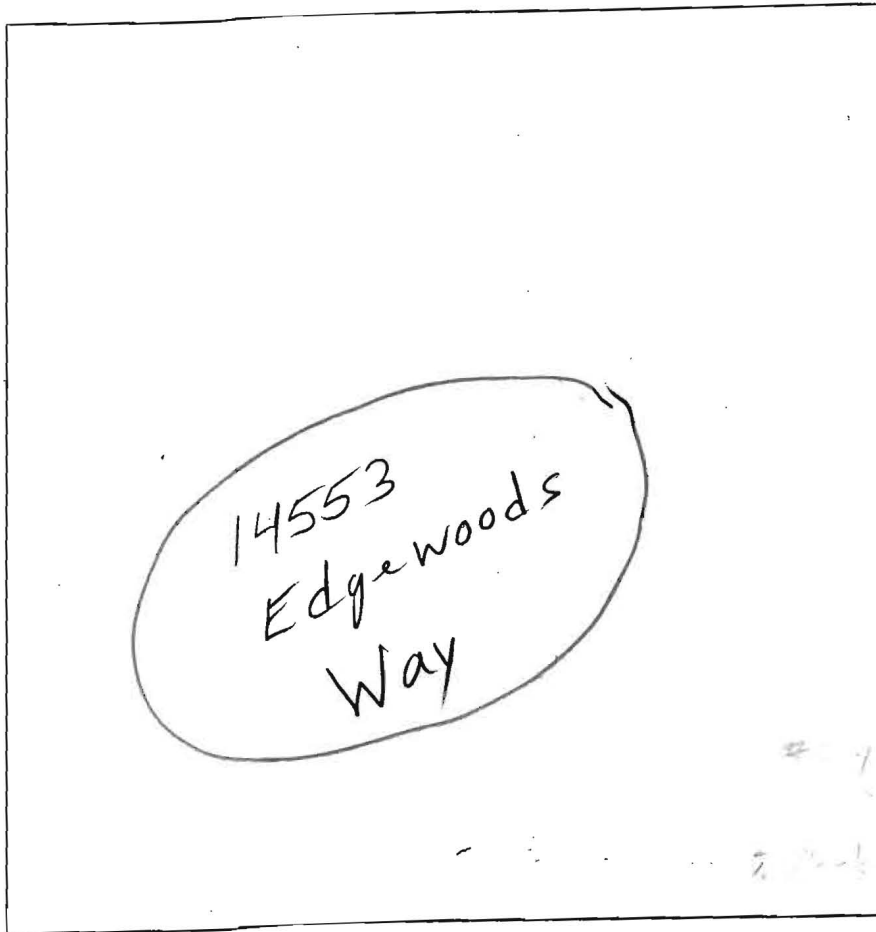
4.5'

(I)



4'

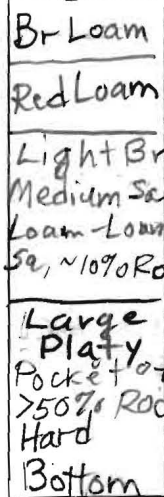
Br Loam  
Course  
Light  
Br Loamy  
Sa  
25-30%  
Rock  
Getting  
Hard,  
Damp



14553  
Edgewoods  
Way

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/30/2015	G	10.5'					
	H	4.5'					
	I	12'					
	J	9.5'					
	K	9.5'					

(J)



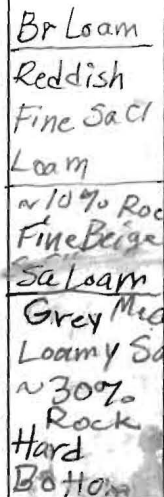
1'

3'

8'

9.5'

(K)



2'

3.5'

6'

9.5'



REMARKS \_\_\_\_\_  
 SANITARIAN B. Baker BACKHOE Fogles OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA G, I, J+K? AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

112

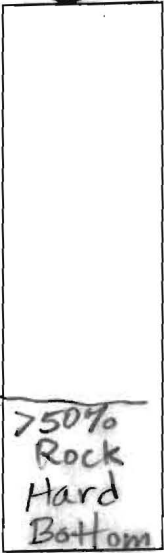
A/P

14553  
Edgewoods  
Way

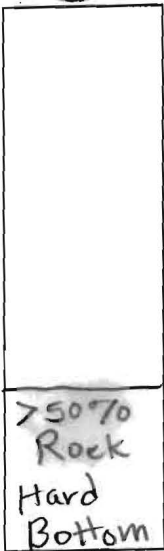
(A)



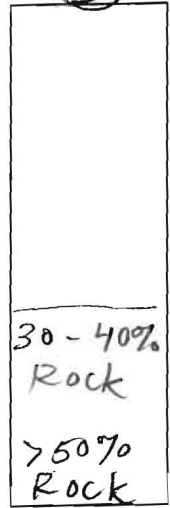
(B)



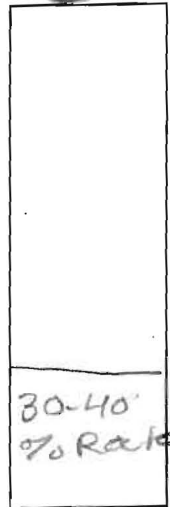
(C)



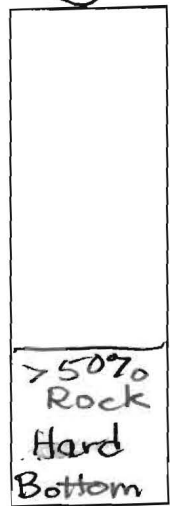
(D)



(E)



(F)



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/30/2015	A	12'V					
	B	7'V					
	C	8'V					
	D	12'V					
	E	12'V					
	F	9'V					

REMARKS \_\_\_\_\_

SANITARIAN B. Baker BACKHOE Fogles OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA D, E+F? AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

## Williams, Jeffrey

---

**From:** Williams, Jeffrey  
**Sent:** Friday, February 27, 2015 1:34 PM  
**To:** 'Michael Boyce'  
**Cc:** 'Nathan Brandenburg'; 'Ryan Ketner'; 'Kevin Davis (kevin@foglesinc.com)'; Wolf, Kevin; Baker, Brian  
**Subject:** RE: Edgewood lot 37

Mike, please see the attached documents. Brian has identified an overall area that appears to be able to support conventional septic and miss the shallow rock based on the test holes he dug. He also drafted a possible location for the initial system, which could be a low pressure dosed bed in the bottom corner. That would leave the upper part of the revised area near holes D&E for a future repair. He gave some specs for bed depth and lateral placement.

What we don't know, and maybe you can help us, is the status of the graded swale along the lower part of the lot. It looks like it is just the start of some surface drainage, but is it possible to move that away from the proposed bed? If you can get it off the lot altogether, that would be preferable.

The other wild card here has to do with the ecopod tank. I'm not sure if you have the tank already or an order in place for the tank, but we will need a pumped system at this point, so you would need a pump tank after or to switch to another unit that pumps out. If you stick with the ecopod, it would have to be fully installed by 3/15 based on the MDE moratorium.

What we'll need to proceed is a revised design from you with the details of the LPD including dose, head, and pump info. Brian included specs for a possible pump choice. What we provided in terms of the system design is a recommendation. We will also need a revised perc cert showing the revised area based on the attached plan and showing the new test hole locations. We do not need to sign the perc cert before starting installation. If you give us the perc cert and the design plan together, we can start installation while we get the cert signed.

Let me know if you have any questions. Thanks  
Jeff

---

**From:** Williams, Jeffrey  
**Sent:** Tuesday, February 24, 2015 2:31 PM  
**To:** 'Michael Boyce'  
**Cc:** Nathan Brandenburg; Ryan Ketner; Kevin Davis ([kevin@foglesinc.com](mailto:kevin@foglesinc.com)); Wolf, Kevin  
**Subject:** RE: Edgewood lot 37

Once we confer with Brian on a location of usable area and acceptable trench depths, we will send that to you and look for you to draft a revised trench layout. It looks like there is minimal usable area out there. We hope to work on this tomorrow. Thanks  
Jeff

---

**From:** Michael Boyce [<mailto:MBOYCE@eseeng.com>]  
**Sent:** Thursday, February 19, 2015 8:11 AM  
**To:** Williams, Jeffrey  
**Cc:** Nathan Brandenburg; Ryan Ketner; Kevin Davis ([kevin@foglesinc.com](mailto:kevin@foglesinc.com))  
**Subject:** Edgewood lot 37

Jeff,

I understand we had to do some additional perc's on lot 37 due to some rock in the trenches?  
I heard about this from Fogles and the PM, is there anything you need from us?  
I believe Brian is the Sanitarian on this job.

**Michael Boyce**

*Regional Director*

**ESE Consultants, Inc.**

7164 Columbia Gateway Dr. | Suite230 | Columbia MD 21046

P : 410-381-3058 | C: 410-365-4175

[mboyce@eseeng.com](mailto:mboyce@eseeng.com) / [www.esiconsultants.com](http://www.esiconsultants.com)

## Williams, Jeffrey

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**To:** 'Michael Boyce'  
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**Sent:** Thursday, February 19, 2015 8:11 AM  
**To:** Williams, Jeffrey  
**Cc:** Nathan Brandenburg; Ryan Ketner; Kevin Davis ([kevin@foglesinc.com](mailto:kevin@foglesinc.com))  
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**Michael Boyce**

*Regional Director*

**ESE Consultants, Inc.**

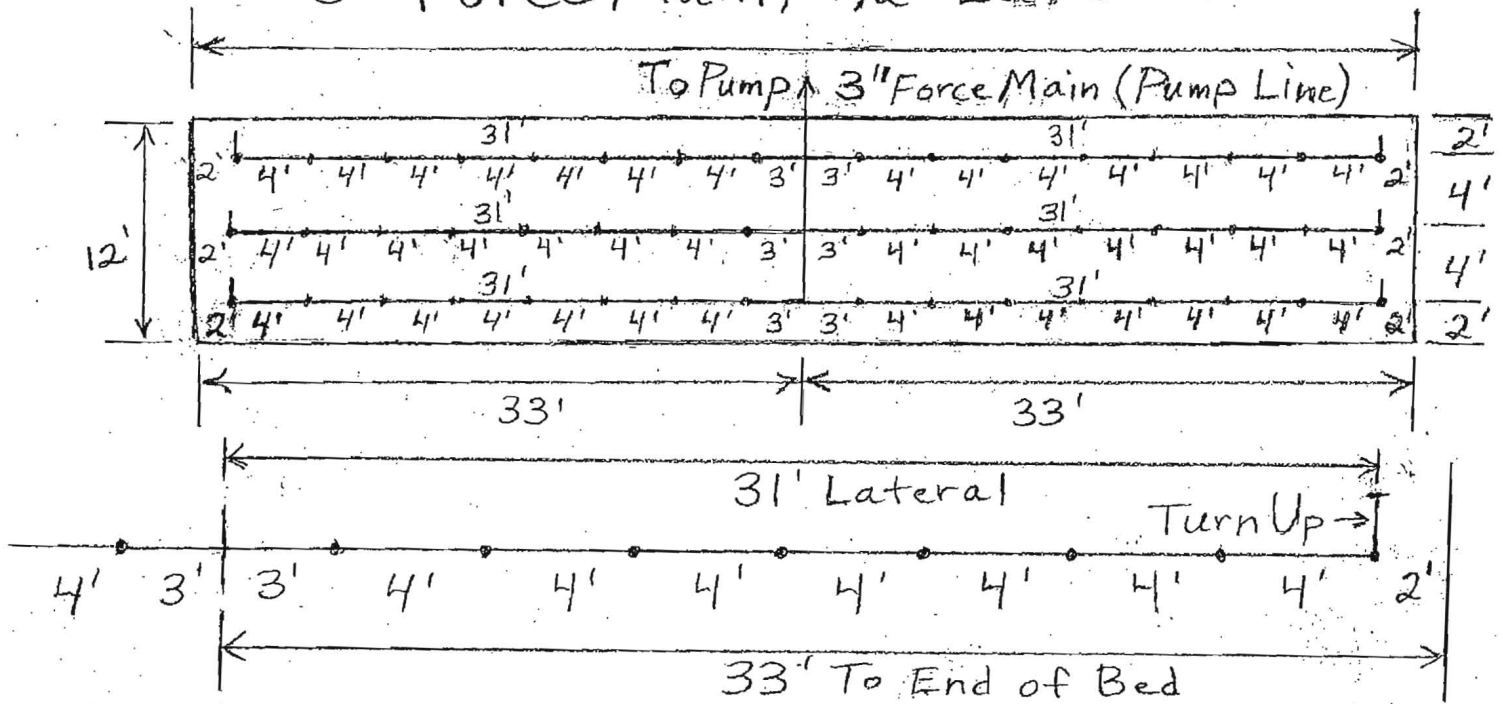
7164 Columbia Gateway Dr. | Suite230 | Columbia MD 21046

P : 410-381-3058 | C: 410-365-4175

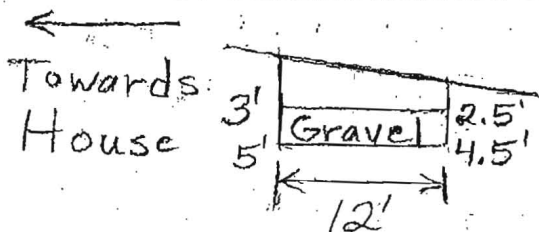
[mboyce@eseeng.com](mailto:mboyce@eseeng.com) / [www.eseconsultants.com](http://www.eseconsultants.com)

# 12' x 66' Bed -

- Inlet ~ 2.5'-3'
- Bottom ~ 4.5'-5' } 2' Gravel + Enough to Cover Laterals
- Myers ME50 120V 1/2 H.P. Pump or Equivalent
- Pretreatment: HOOT H-600 BNR Which Has a 750 Gallon Pump Chamber
- Clean Gravel
- 3" Force Main, 1/2" Laterals



## Bed Side View -



## Instructions -

- Lay Out the Bed on Contour
- Find the Lowest Area of the Bed and Make This 4.5' Deep, This Is the Reference Point
- Keep the Rest of the Bed Bottom Level
- Keep Everything Else Level (Gravel, Laterals, etc)

N 01°45'13" W

16.72'

3' RESTRICTION LINE  
WALL  
ON  
UTILITY EASEMENT  
LOCATION

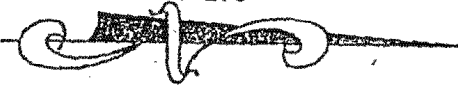
N 21°44'51" E  
121.98'

LOT 36

LOT 37  
(40,428 SQ. FT.)

1" ~ 30'

PLAT 18269



2/27/2015  
Revised Easement  
Location

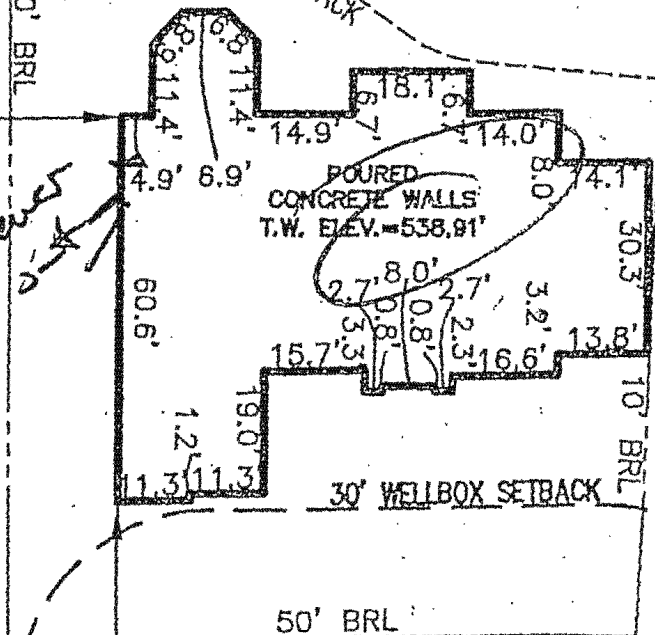
S 88°14'47" W  
350.39'

S 89°20'37" E

20' SEPTIC SETBACK

± 27.6'

14553  
Edgewoods  
May

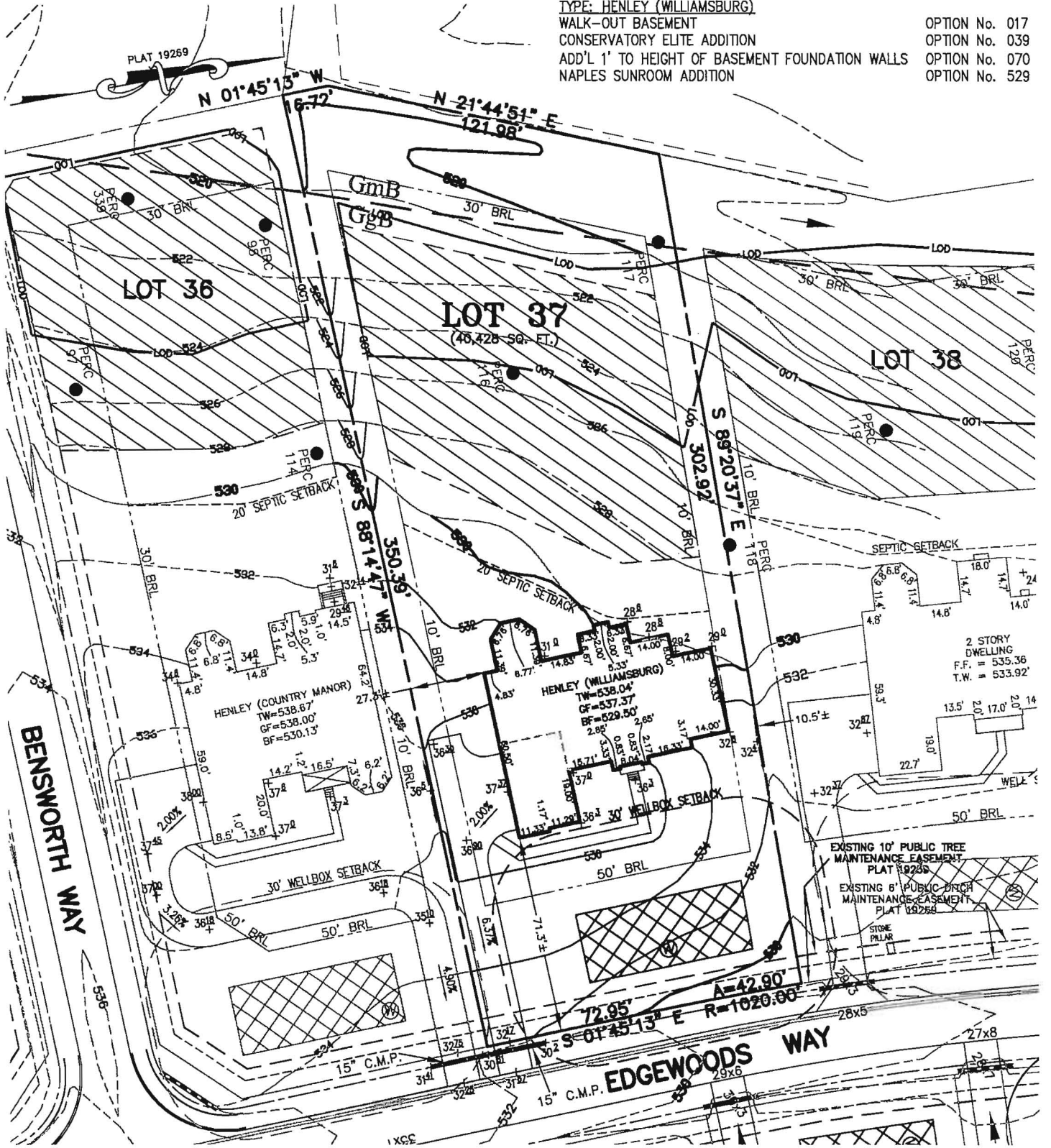


10'

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21245, EXPIRATION DATE 1/27/15.

TYPE: HENLEY (WILLIAMSBURG)  
 WALK-OUT BASEMENT  
 CONSERVATORY ELITE ADDITION  
 ADD'L 1' TO HEIGHT OF BASEMENT FOUNDATION WALLS  
 NAPLES SUNROOM ADDITION

OPTION No. 017  
 OPTION No. 039  
 OPTION No. 070  
 OPTION No. 529



BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN  
 SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.

WELL TAG NUMBER: HO-95-0554

ADDRESS: 14553 EDGEWOODS WAY  
 GLENELG, MD 21737

LEGEND:

- PERC TEST LOCATION
- ⊙ WELL LOCATION
- LOD- LIMITS OF DISTURBANCE
- SOIL TYPE LINE
- GgB GLENELG LOAM, 3 TO 8 PERCENT SLOPES
- GmB GLENVILLE SILT LOAM, 8 TO 15 PERCENT SLOPES
- TW TOP OF WALL
- GF GARAGE FLOOR
- BF BASEMENT FLOOR
- BRL BUILDING RESTRICTION LINE

PLOT PLAN  
 LOT 37  
**EDGEWOOD FARM**  
 LIBER 10677, FOLIO 461  
 PLAT NO. 19269  
 FOURTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND



**ESE** Land Planning  
 Engineering  
 Land Surveying

ESE Consultants Inc.  
 4101 Ritchie Marlboro Rd.  
 Upper Marlboro, MD 20772  
 Tel: 301-627-8504  
 Fax: 301-627-7985


DATE: 08/26/14  
 CHK'D: G.V.S.

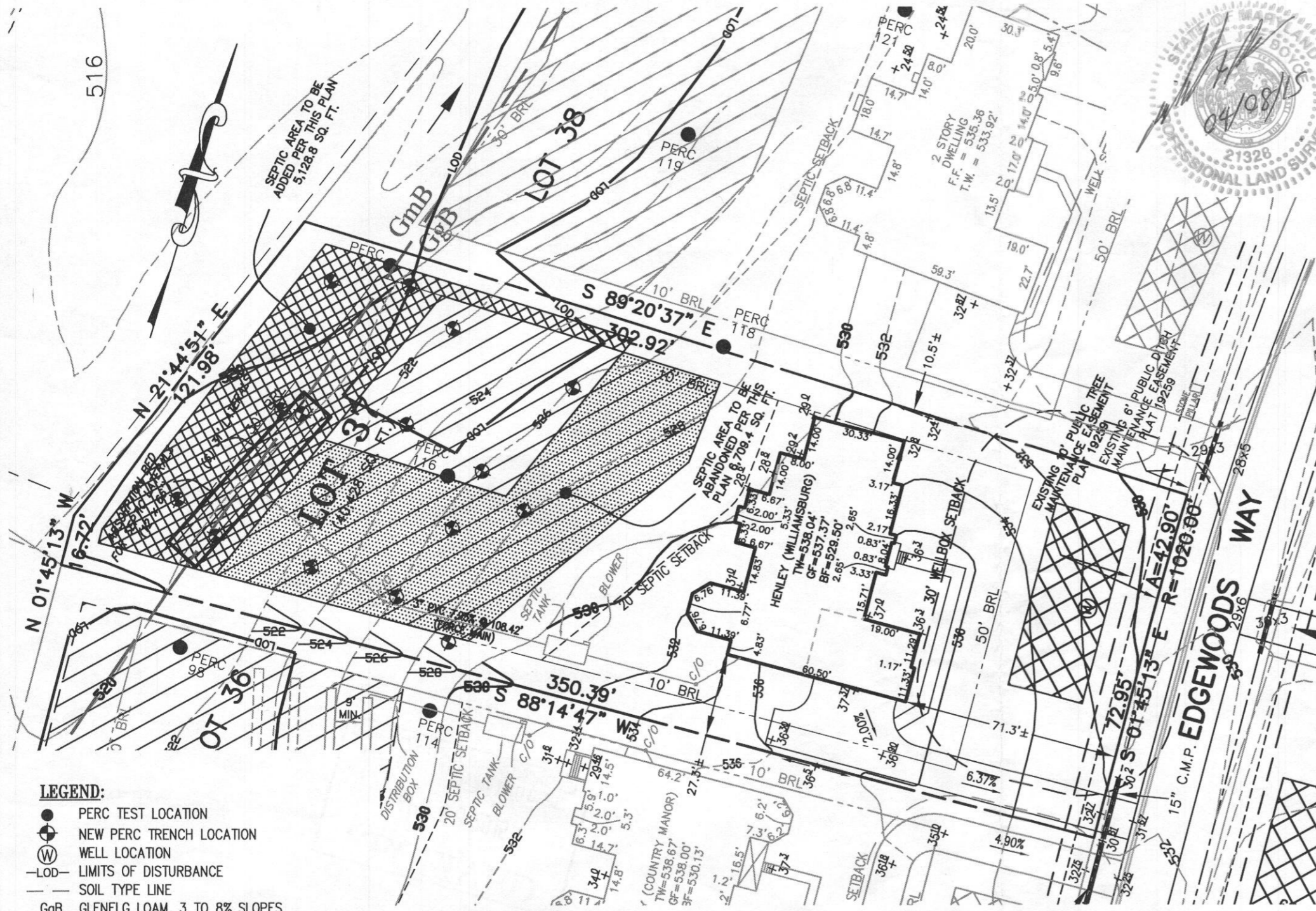
SCALE: 1"=50'  
 JOB NO: 1498

FILE: PP LOT 37  
 DRAWN: R.C.K.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/17.

**GENERAL NOTES:**

1. THE SUBJECT PROPERTY IS ZONED RC-DEO PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND PER COMP-LITE ZONING REGULATIONS DATED 7/28/06.
2. PLAT REFERENCE: PLAT No. 19269.
3. THE EXISTING TOPOGRAPHY WITHIN THE AREA OF PROPOSED WORK IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY ESE. DATED 4/27/11.
4. TOTAL LIMIT OF DISTURBANCE: 37,567 SQ. FT. / 0.86 AC.±
5. STORMWATER MANAGEMENT PER PLAN F-06-108.
6.  THESE AREAS DESIGNATE A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS UNTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
7. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
8. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
9. UPON BUILDING PERMIT REVIEW THE SEPTIC SYSTEMS FOR ALL PROPOSED STRUCTURES AND/OR EXISTING STRUCTURE EXPANSIONS SHALL BE RE-EVALUATED TO DETERMINE SUFFICIENT SYSTEM CAPACITY.
10. THE DEVELOPMENT OF THIS LOT DOES NOT REQUIRE AN ENVIRONMENTAL CONCEPT PLAN SINCE STORMWATER MANAGEMENT WAS PREVIOUSLY APPROVED UNDER F-06-108.
11. A STANDARD SEDIMENT CONTROL PLAN MAY BE USED FOR DEVELOPMENT OF THIS LOT. REFERENCE GRADING PLAN GP-14-031, DATED 10/31/13.
12. THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-0554 HAS BEEN FIELD LOCATED BY ESE CONSULTANTS - PROFESSIONAL LAND SURVEYOR(S), AND IS ACCURATELY SHOWN.
13. BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.
14. CULVERT FOR DRIVEWAY IS A 15" CORRUGATED METAL PIPE (CMP) PER NOTE 30 AS SHOWN ON SHEET LABELED "ROADS, STORMWATER MANAGEMENT AND STORM DRAIN PLANS" IN THE F-06-108 PLAN.
15. SOIL TYPES FOR THIS LOT ARE GgB AND GmB, HYDROLOGIC SOIL GROUP B, PER WEB SOIL SURVEY WEBSITE MAINTAINED BY USDA LAST MODIFIED ON 12/06/2013.
16. SEPTIC RESERVE AREA HAS BEEN ALTERED PER THIS PLAN, ADJUSTMENT HAD TO BE MADE DUE TO ROCK BEING FOUND INSIDE THE CURRENT SEPTIC AREA AT TIME OF DIGGING THE TRENCHES. THIS HAS IMPACTED THE BAT PLAN AND HAD TO BE ALTERED TO AN ABSORPTION BED PER HEALTH DEPARTMENT GUIDANCE. SEPTIC AREA IS AT 8,623 SQUARE FEET WHICH DOESN'T MEET THE 10,000 SQUARE FOOT MINIMUM, THE HEALTH DEPARTMENT IS AWARE OF THIS, ALSO PER THEIR GUIDANCE.



- LEGEND:**
- PERC TEST LOCATION
  - NEW PERC TRENCH LOCATION
  - ⊙ WELL LOCATION
  - - - LOD - LIMITS OF DISTURBANCE
  - - - SOIL TYPE LINE
  - GgB GLENELG LOAM, 3 TO 8% SLOPES
  - GmB GLENVILLE SILT LOAM, 8 TO 15% SLOPES
  - TW TOP OF WALL
  - GF GARAGE FLOOR
  - BF BASEMENT FLOOR
  - BRL BUILDING RESTRICTION LINE

**SEPTIC CALCULATIONS:**


INV. Ⓞ HOUSE	528.3'
GROUND Ⓞ INV. Ⓞ HOUSE	534.8'
INV. IN TANK	527.2'
INV. OUT TANK	527.5'
TOP OF TANK	528.5'
GROUND OVER TANK	530.9'
INV. IN ABSORPTION BED	518.9'

- HOUSE OPTIONS:**
- TYPE: HENLEY (WILLIAMSBURG)
- WALK-OUT BASEMENT OPTION No. 017
  - CONSERVATORY ELITE ADDITION OPTION No. 039
  - ADD'L 1' TO HEIGHT OF BASMT WALLS OPTION No. 070
  - NAPLES SUNROOM ADDITION OPTION No. 529

APPROVED FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Bo Wilson for Mauna Rossman* 4/28/15  
COUNTY HEALTH OFFICER DATE

PERCOLATION CERTIFICATION REVISION  
LOT 37  
**EDGEWOOD FARM**  
LIBER 10677, FOLIO 461  
PLAT No. 19269  
TAX No. 04-372654  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
ADDRESS: 14553 EDGEWOODS WAY  
GLENELG, MARYLAND



**Land Planning  
Engineering  
Land Surveying**

ESE Consultants Inc.  
7164 Columbia Gateway Dr.  
Suite 230  
Columbia, MD 21046  
TEL: 410-872-9105  
FAX: 410-872-4870

DATE: 04/08/15      SCALE: 1"=40'      FILE: PERC CERT REV LOT 37  
CHK'D: M.J.B.      JOB NO: 1498      DRAWN: R.C.K