

# APPLICATION

PERCOLATION TESTING

A 516045

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 Susan Moxley

ADDRESS 3489 Downing Court PHONE 1-301-831-8350  
Adamsstown, MD 21710

AGENT OR PROSPECTIVE BUYER Benchmark Engineering, Inc.

ADDRESS 8480 Baltimore National Pk. PHONE 410-465-6105  
Ellicott City, MD 21043  
Suite 418

PROPERTY LOCATION:  
SUBDIVISION Susan Moxley Property LOT NO. 17

ROAD AND DESCRIPTION Frederick Road @ Roxbury Mills Road  
NE Quadrant of Intersection

TAX MAP 8 PARCEL # 176

SIZE OF LOT 1 Ac. ± 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. Moh. S. Moxley  
(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

13

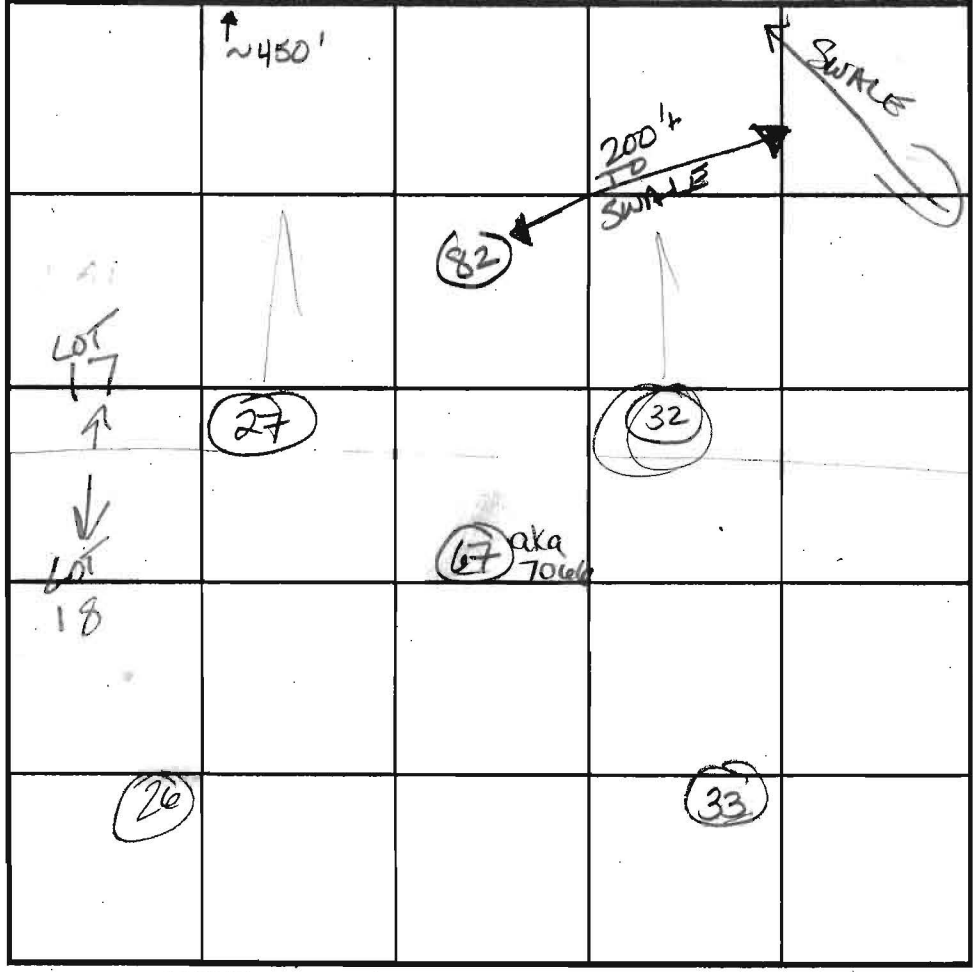
TO RT 70 RAMP

COUNTY #

SOIL PROFILE  
 0' (32)  
 TOPSOIL 11"  
 Hvy cl RED  
 Trace Rock  
 tan wk rd  
 brn hvy lm-lm  
 Trace rock 2 1/2"  
 beige tan  
 S-SL 4 1/2"  
 10-15% structured  
 Saprolite  
 Bottom 13'

(67)/(26)  
 TOPSOIL 11"  
 org brn  
 CLLM-hLM  
 Trace Rock  
 beige lt brn  
 SAND  
 weak Saprolite  
 (structured) & rock  
 10-15%  
 Bottom 13 1/2'

(27)  
 TOPSOIL 11"  
 org brn  
 CLLM  
 Rock-Trace  
 beige pink  
 lt brn  
 sa lm  
 Rock Fragments  
 weak Saprolite  
 10-15%  
 parent material  
 Bottom 13'



SOIL PROFILE  
 0' (33)  
 Topsoil 10"  
 org brn  
 wk rd  
 CLLM  
 5-6 1/2"  
 fine SAND  
 Beige  
 5-10% Saprolite  
 14 1/2" Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
12/6/01	(32)	7' S	2:00	2:01 <sup>53</sup>	2:01 <sup>53</sup>	2:03 <sup>45</sup>	2 min	
		14' D	—————→					OK
a.k.a 70666	(67)	6 1/2' S	1:49 <sup>30</sup>	1:51	1:51 <sup>30</sup>	1:53 <sup>30</sup>	2 min	
		13 1/2' D	—————→					OK
	(27)	7' S	1:44	1:52	1:52	2:05	13 min	
		13' D	—————→					OK
	(26)	7' S	2:24 <sup>50</sup>	2:27	2:27	2:30	3 min	
		15' D	—————→					OK
	(33)	6 1/2' S	2:09 <sup>39</sup>	2:10 <sup>14</sup>	2:10 <sup>14</sup>	2:11 <sup>20</sup>	1:05 min	
		14 1/2' D	—————→					OK

REMARKS \* 32 like 27 & 67 but larger frags of hard saprolite  
 TYPE OF SOIL HOLES PER PLAN  
 TESTED BY KG ALSO PRESENT HELPER - HATFIELDS  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

# APPLICATION

PERCOLATION TESTING

A 516045

P \_\_\_\_\_

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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

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 \_\_\_\_\_

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

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION:

SUBDIVISION Susan Moxley LOT NO. 17

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(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. \_\_\_\_\_  
(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

516045

COUNTY #

SOIL PROFILE

0'

Empty vertical box for soil profile notes on the left side.

SOIL PROFILE

0'

Empty vertical box for soil profile notes on the right side.


SEE HOLE LOCATION ON OTHER PERC SHEET

Lot 17

82

DK brn topsoil

4-12"

rd brn silty clay Trace Rx

3'

org brn clay Lm Trace Rx SKINS

yellowbrn brn fine silty micaceous some white pockets of decayed rock Rx < 5% Bottom

14'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-15-02	82	5'6" S	10:42 <sup>22</sup>	10:44 <sup>16</sup>	10:44 <sup>16</sup>	10:48 <sup>12</sup>	4 min
		14' v					

OK

REMARKS 82 per plan

TYPE OF SOIL

TESTED BY KG ALSO PRESENT C. Sperry

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT/BEDROOM

# APPLICATION

PERCOLATION TESTING

A 516045

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 Susan Moxley

ADDRESS 3489 Downing Court PHONE 1-301-831-8350  
Adamsstown, MD 21710

AGENT OR PROSPECTIVE BUYER Benchmark Engineering Inc.

ADDRESS 8480 Baltimore National Pk. PHONE 410-465-6105  
Ellicott City, MD 21043

PROPERTY LOCATION:  
SUBDIVISION Susan Moxley Property LOT NO. Pres Parcel B

ROAD AND DESCRIPTION Frederick Road @ Roxbury Mills Road  
NE Quadrant of Intersection

TAX MAP 8 PARCEL # 176

SIZE OF LOT 1 Ac. ± 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.

M. S. Moxley  
(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

516045

COUNTY #

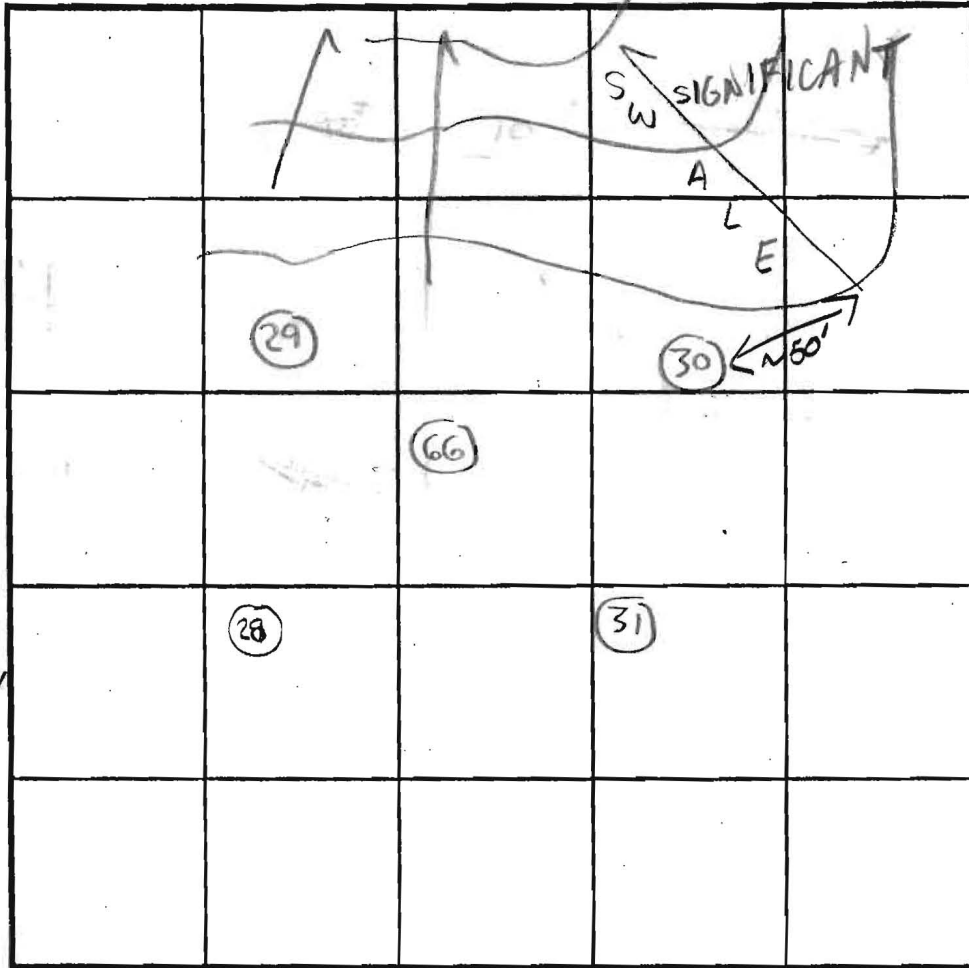
SOIL PROFILE

0' (30)  
 TOPSOIL 1"  
 tan brn Lm  
 7'  
 Sandy, grainy Lm  
 tan, 20-25% rock frags  
 v. fr. saprolite  
 Bottom 15'

(66)  
 TOPSOIL  
 Rd h Lm  
 Trace Rock  
 6-7'

beige brn yellow brown 5 Lm  
 10-15% weathered rock  
 Bottom 15'

(29)  
 brown topsoil 4-6"  
 strong brown heavy loam  
 4'  
 tan-beige loam  
 10-15% very friable saprolite  
 HARD BOTTOM 13'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' (28)  
 topsoil  
 1'  
 orange-brown clay loam  
 5'  
 tan-orange sandy loam  
 25-35% weathered rock  
 14 1/2'  
 (31)  
 topsoil  
 8"  
 weak red-clay loam - hvy loam  
 6'  
 tan-sandy loam  
 20-30% rock  
 13'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/6/01	30	7' S	12:35	12:45	12:45	1:00	15 min
		15' D	—————		—————		OK
a.k.a. 7067	66	6 1/2' S	12:45	12:46	12:46	12:48	2 min
		15' D	—————		—————		OK
	29	7' S	12:51	12:52	12:52	12:54	2 min
		13' D	—————		—————		OK
	28	14' 6" D	—————		—————		OK
		(VISUAL)	OK	SEE	SOIL	PROFILE	
	31	6' 6" S	1:08	1:13	1:13	1:18	5 min
		13' D	—————		—————		OK

REMARKS: HOLES PER PLAN  
 TYPE OF SOIL: \_\_\_\_\_  
 TESTED BY: SRK/KG ALSO PRESENT: Clark Sperry  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: \_\_\_\_\_ TRENCH WIDTH: 3'  
 INLET DEPTH: 5 1/2' MAXIMUM BOTTOM DEPTH: 7 1/2' SQ. FT./BEDROOM: \_\_\_\_\_

Signed Perce 12/09

PROPOSED FOREST CONSERVATION EASEMENT  
TOTAL AREA 3.89 AC  
RETENTION 2.20 LACF  
REFORESTATION 1.69 AC

ChA

EKB2

EGB2

ChA

RAMP TO IN

VEHICULAR INGRESS AND EGRESS RESTRICTED

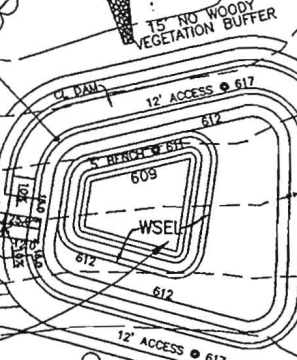
N75°07'34"E  
303.23'

PRESERVATION PARCEL 'B'  
STORMWATER MANAGEMENT  
EASEMENT, OWNED BY THE  
HOA WITH HOWARD COUNTY  
AS EASEMENT HOLDER.  
1.73 ACRES±

PRESERVATION PARCEL  
'C' ENVIRONMENTAL  
PRESERVATION EASEMENT,  
PRIVATELY OWNED WITH  
HOWARD COUNTY AND  
THE HOMEOWNERS  
ASSOCIATION AS  
EASEMENT HOLDERS.  
8.39 ACRES±

SMWF #2 MICROBIOLOGICAL  
CLASSIFICATION 'A'  
PRIVATELY OWNED JOINTLY  
MAINTAINED

PROPOSED FOREST  
CONSERVATION EASEMENT #1A,  
RETENTION 2.98 ACRES



SEPTIC RESERVE AREA A516045  
10,459 SF

SEPTIC RESERVE AREA A516045  
10,017 SF

PERC 16  
LOT 16  
41,494 SF

SEPTIC RESERVE AREA A516045  
10,118 SF

SEPTIC RESERVE AREA A516045  
10,076 SF

SEPTIC RESERVE AREA A516045  
10,013 SF



PROP. WELL ENVELOP  
1,500 SF

SEPTIC RESERVE AREA A516045  
10,081 SF

SEPTIC RESERVE AREA A516045  
10,089 SF

SEPTIC RESERVE AREA A516045  
10,009 SF

SEPTIC RESERVE AREA A516045  
10,007 SF

24' PRIVATE USE-IN-COMMON ACCESS  
EASEMENT FOR  
PERC LOTS 12-15 AND TO  
74' ACCESS THE NOISE WALL

6' NOISE WALL

EX. WELL ENVELOP  
1,500 SF

14' PAVING

LOT 15  
45,229 SF

LOT 18  
46,149 SF

LOT 9  
41,266 SF

LOT 12  
40,776 SF

LOT 10  
53,886 SF

LOT 14  
47,999 SF

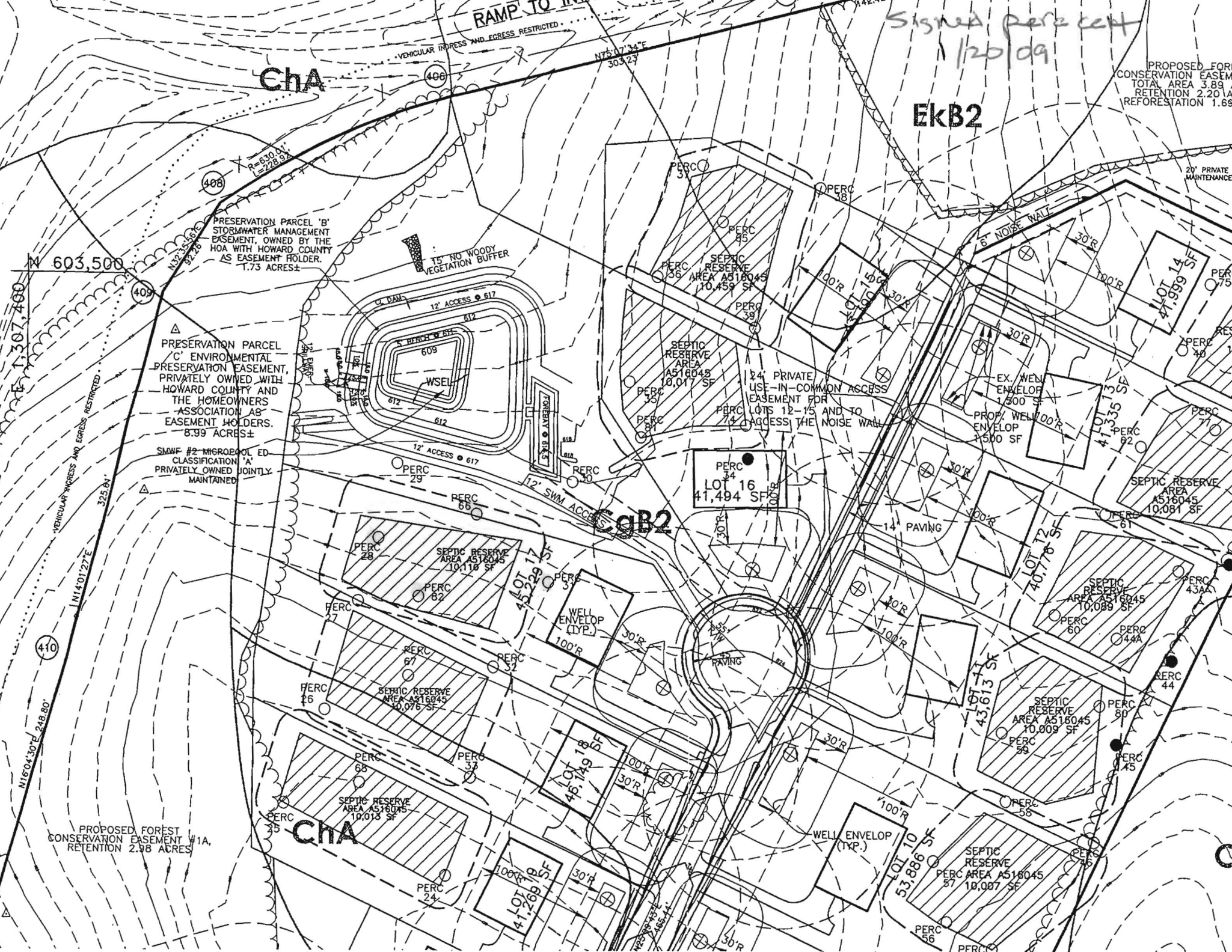
LOT 13  
41,335 SF

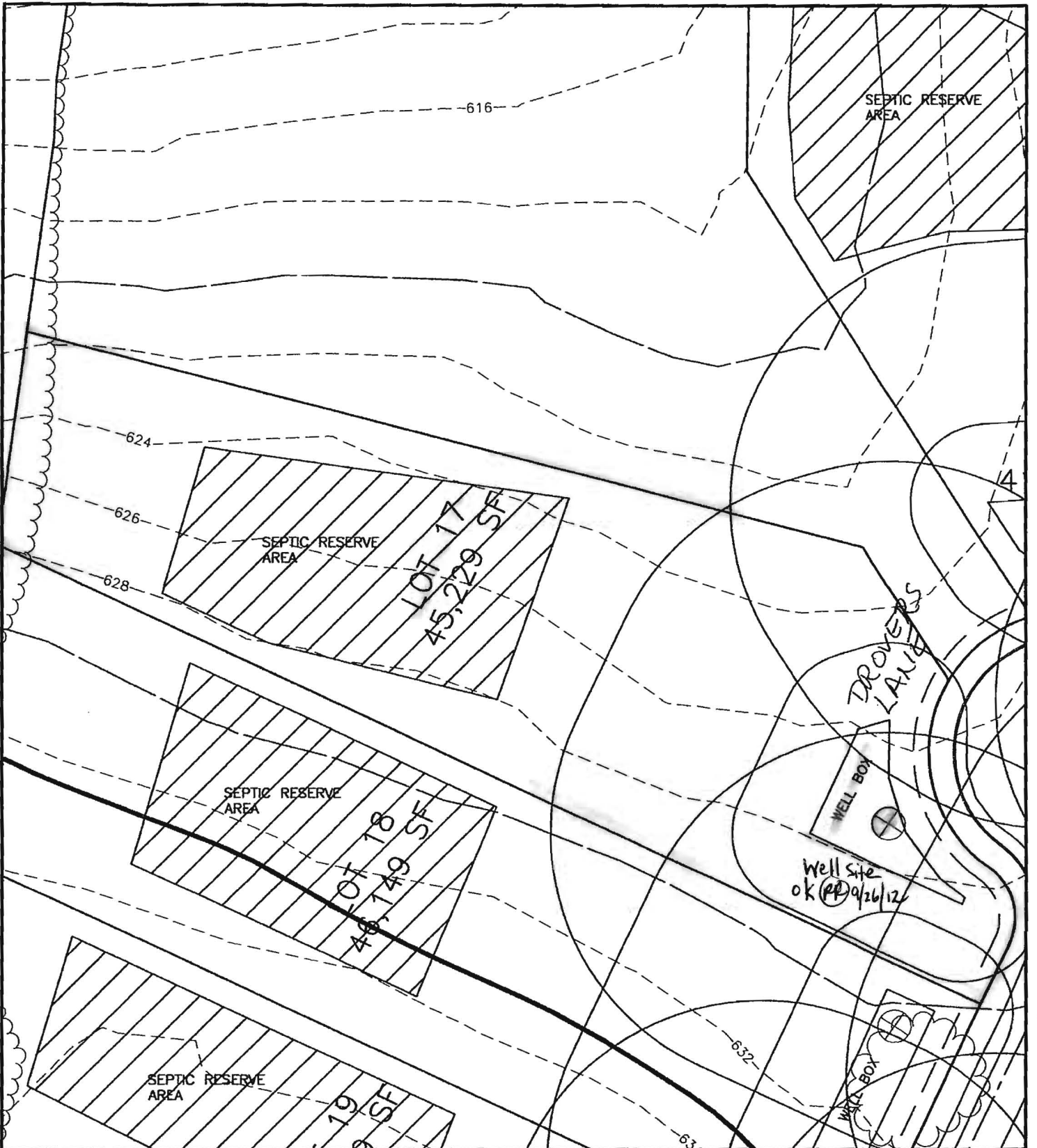
LOT 11  
43,613 SF

LOT 17  
43,613 SF

LOT 10  
53,886 SF

LOT 10  
53,886 SF





**BENCHMARK**  
 ENGINEERS • LAND SURVEYORS • PLANNERS  
**ENGINEERING, INC.**

8480 BALTIMORE NATIONAL PIKE • SUITE 418 • ELLICOTT CITY, MD 21043  
 PHONE: 410-465-6105      FAX: 410-465-6644

**WELL EXHIBIT  
 VISTA RIDGE**

LOT 17  
 FORTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 50'    DATE: 5/16/12