

# APPLICATION

PERCOLATION TESTING

A 515042

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 4-13-01

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 Natalie Ziegler

ADDRESS 11352 Homewood Rd. PHONE 410 740-6880

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

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

PROPERTY LOCATION:

SUBDIVISION Benedict Farm LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION Rt 108 + Homewood Rd.

TAX MAP 29 PARCEL # 93/229

SIZE OF LOT 310 acres +/- 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. Natalie Ziegler  
(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

G40

topsoil

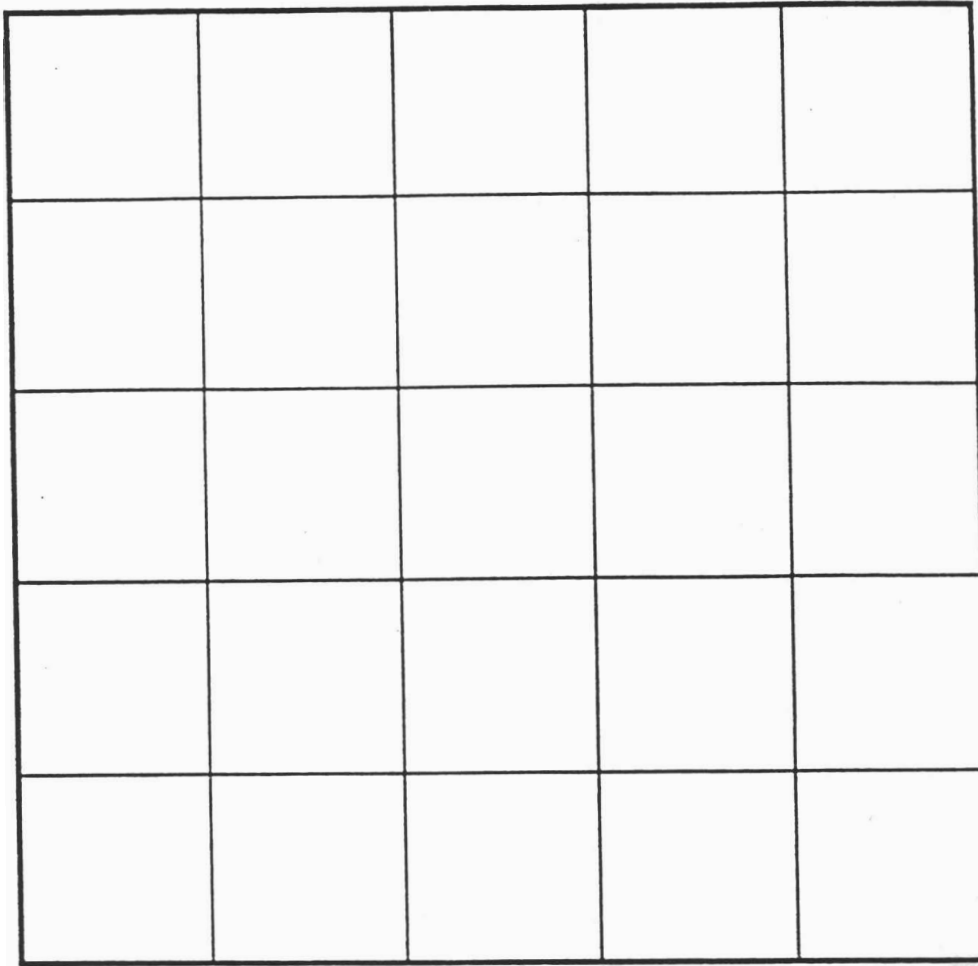
org red  
brn  
cl Lm

med  
org brn  
sa mica  
Lm

100%+  
rock

water

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-30-01	<del>1645</del>	5.5'S	11:40	11:42	11:42	11:46	4
		12.0'D	water	- see	profile		FAIL

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_ DUE TO DROUGHT CONDITIONS,  
 TESTED BY DKC APPROVABLE HOLES MUST HAVE 8  
 TRENCH DESIGN DAT FEET FROM OBSERVED  
 INLET DEPTH \_\_\_\_\_ GROUNDWATER TO BOTTOM OF  
 PROPOSED SEPTIC SYSTEM

ALSO PRESENT M. Johnson & crew  
Owners  
 TRENCH WIDTH \_\_\_\_\_  
 SQ. FT./BEDROOM \_\_\_\_\_

COUNTY #

SOIL PROFILE

(305)

0'  
4"  
dk  
5'6"  
14 1/2'

Topsoil  
Red  
Brn  
yellow  
org  
CL Lm  
25% Frag  
tan, H brn  
Loa m  
Bottom

(300)

6 1/2'-7'

Topsoil  
org  
rd brn  
CL Lm  
Rock Frag  
5-10%

14'8"  
Bottom

1/4 tan  
beige  
brn  
Si Lm  
SAP @ ≤ 10%

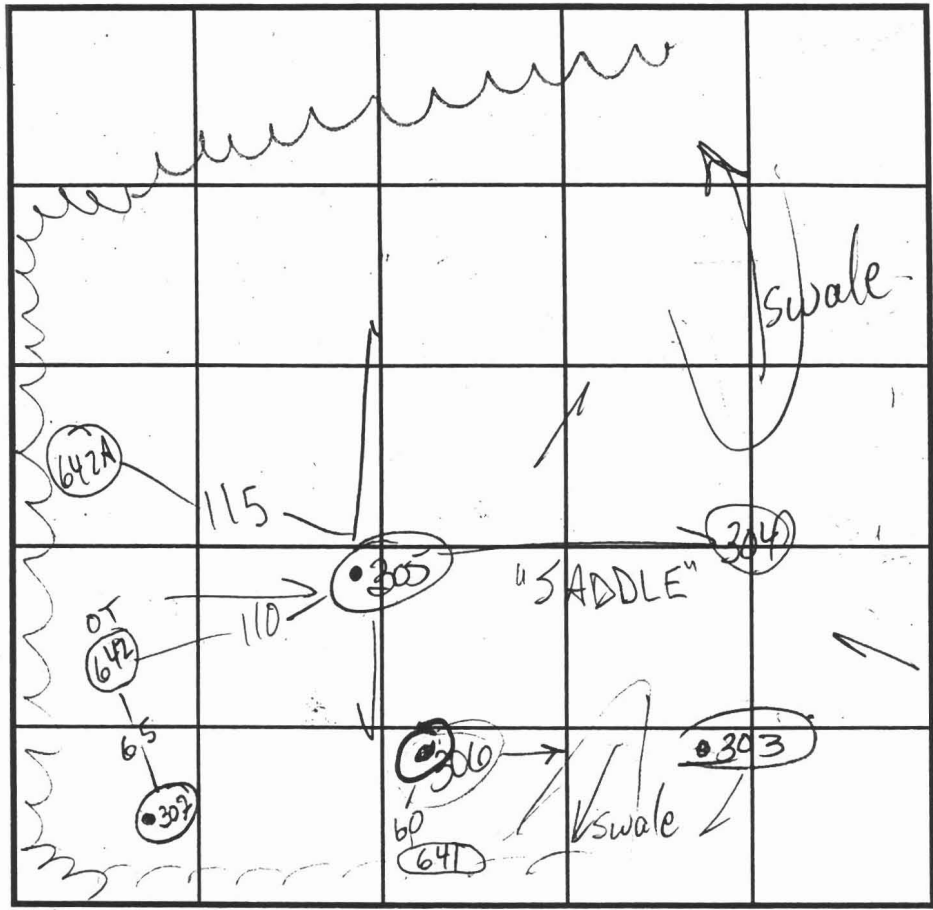
(307)

4'  
6 1/2'-7'

topsoil  
red tan  
dk beige  
CL Lm  
1/4 tan  
beige  
Si Lm

14'10" Bottom

Sample site  
@ 50%



SOIL PROFILE

(304)

0'  
4"  
6'  
14 1/2'

Topsoil  
brn red  
CL Lm  
5-10% Frag  
brn wh  
tan lm  
4.5% sal lm  
10% frags  
H<sub>2</sub>O

(303)

4"  
6'  
15'

Dense  
red  
brn  
CL Lm  
tan beige  
brn  
Si Lm

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-30-01	P 305	5 1/2' S	2:05	2:08	2:08	2:10	2 min
		14 1/2' D	—————→				PASS
	(306)	7' S	2:35	1" > 30 min	—————→		→
		14'8" D	—————→				FAIL
	P 307	7' S	2:29	2:31	2:31	2:35	4 min
		14'10" D	—————→				PASS
	P 304	7' 15"	2:33	2:42	2:42	2:52	10
			OK				
	P 303	6 1/2' S	2:50	2:54	2:54	3:01	6 min
		15' D	—————→				PASS

REMARKS: HOLES PER PLAN

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

TESTED BY: Goedecking / MK ALSO PRESENT: Chuck C rovo  
Mike J + crew

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

INLET DEPTH: \_\_\_\_\_ MAXIMUM BOTTOM DEPTH: \_\_\_\_\_ SQ. FT./BEDROOM: \_\_\_\_\_

COUNTY #

SOIL PROFILE

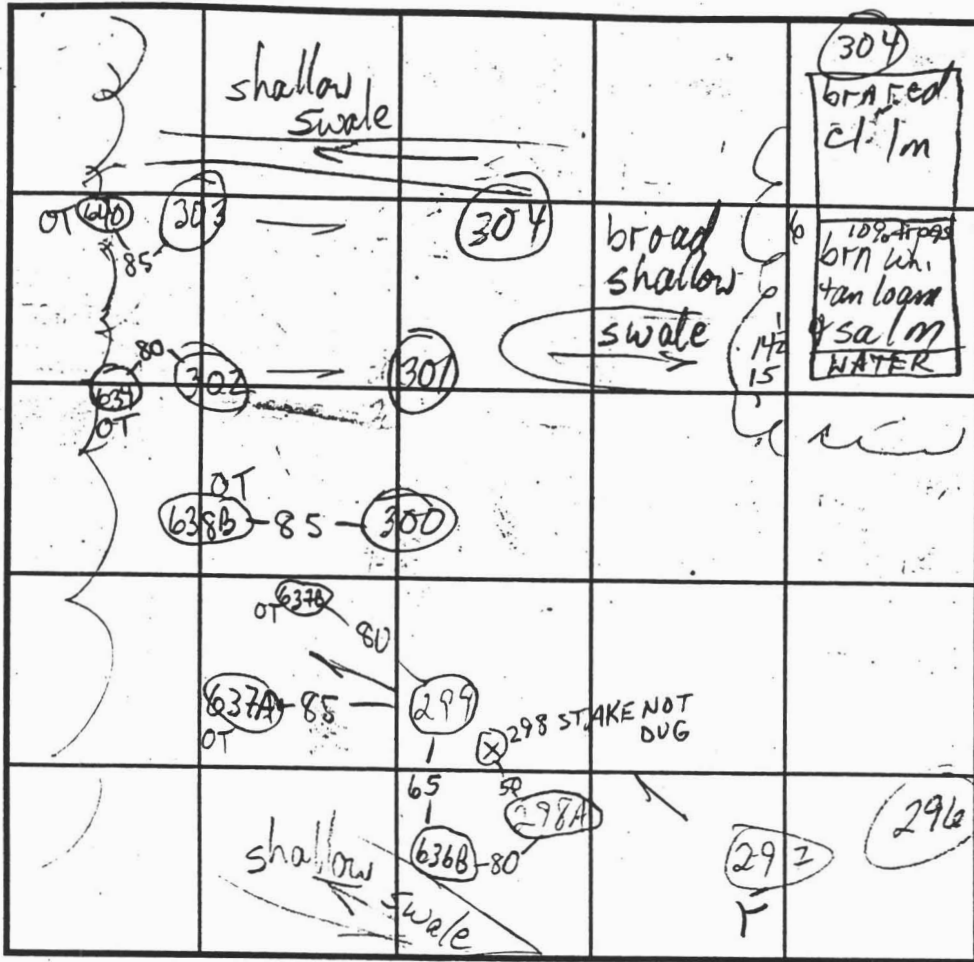
297  
 strong red org  
 brn cl  
 and cl lm  
 5-15% frags  
 7-8  
 brn si sa lm  
 10-15% frags  
 16

298A

strong red org brn cl  
 5-6  
 brn tan cl lm  
 15-25% fr  
 7-8  
 wh. quartz sand  
 20-30% fr  
 10  
 wh. tan gray quartz sand  
 15% fr  
 14 1/2

299

orge brn si cl lm  
 6-7  
 tan brn sa m  
 5-10% frags  
 15



SOIL PROFILE

300  
 brn org  
 cl lm  
 5-15% frags  
 1/2-6  
 tan gray beige  
 lt. tan sa lm  
 sand  
 10-15% fr  
 301 302  
 org or  
 cl lm  
 brn tan sa cl lm 6-7  
 tan beige  
 10-15% frags  
 1/2

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME		
			START	STOP	START	STOP			
8/30/01	F 297	6'9" / 7 1/2 / 16	11:00	11:17	< 1/2"	KEDIG	FAIL		
			12:20	12:32	< 1/4"	KEDIG			
	F 298A	6'3" / 7 / 14 1/2	12:29	12:40	< 1/4"	KEDIG	FAIL		
	P 299	6 1/2 / 7 / 15	11:30	11:43	1/2 - 3/4"		3	OK	
	P 300	6 1/2 / 7 / 14	12:12	12:15	12:15	12:18	4	OK	
	P 301	7 / 14 1/2	2:01	2:05	2:20	2:24	4	OK	
	P 302	6 / 14 1/2	2:15	2:20	2:31	2:42	11	OK	
	P 304	7 / 15	2:24	2:31	2:42	2:52	10	OK	
	P 296	4 1/2 / 14 1/2	2:33	2:42	3:03	3:08	5	OK	
		OTHER SIDE 6'	3:00	3:03	3:24	3:27	3	OK	
		SEE SOIL PROFILE ON NEXT PAGE							

REMARKS 298A NOT PER PLAN, OTHERS PER PLAN

TYPE OF SOIL

TESTED BY MARK RIFKIN

ALSO PRESENT C Crovo Mike S. & Crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

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

PROPERTY LOCATION:

SUBDIVISION Benedict Farm LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION Rt 108 + Homewood Rd.

TAX MAP 29 PARCEL # 93/229

SIZE OF LOT 3.0 acres +/- TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

# THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

641  
 0' topsoil  
 1' org bn  
 cl lm  
 6.0' med  
 org bn  
 sa mica  
 lm  
 5-10%  
 rock  
 14'



SOIL PROFILE

643  
 0' topsoil  
 1' org bn  
 cl lm  
 4' 14' bn  
 sa mica  
 lm  
 10-15%  
 rock  
 14'

642  
 0' topsoil  
 1' red bn  
 cl lm  
 4.5' med to  
 14' bn  
 sa mica  
 lm  
 25-30%  
 rock  
 14'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
	641	6.5' S	11:52	12:03	12:03	12:23	20
		14.0' D	Visual	- see	profile		
	642	5.5' S	12:06	12:07	12:07	12:08	2
		14.0' D	Visual	- see	profile		
	642A	5.0' S	12:11	12:12	12:12	12:15	3
		14.5' D	Visual	- see	profile		
	643	5.0' S	12:24	12:26	12:26	12:29	3
		14.0' D	Visual	- see	profile		

642A  
 0' topsoil  
 1' org bn  
 cl lm  
 4.5' 14' bn  
 sa  
 mica  
 lm  
 15%  
 rock  
 14.0'

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_ DUE TO DROUGHT CONDITIONS,  
 TESTED BY \_\_\_\_\_ APPROVABLE HOLES MUST HAVE 8  
 TRENCH DESIGN DAT \_\_\_\_\_ FEET FROM OBSERVED  
 INLET DEPTH \_\_\_\_\_ GROUNDWATER TO BOTTOM OF  
 PROPOSED SEPTIC SYSTEM

ALSO PRESENT M. Johnson & crew  
 TRENCH WIDTH \_\_\_\_\_  
 SQ. FT./BEDROOM \_\_\_\_\_



AP 515042

302A

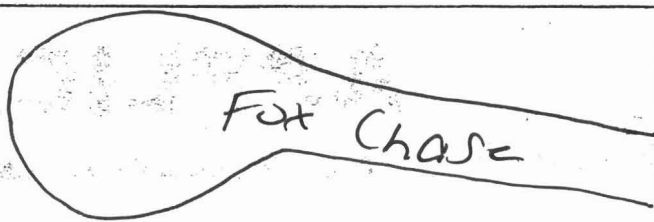
1" Brn L  
gr  
2D SC  
micaeolus  
3msbk  
dense  
few quartz  
stones

2" 2D Dense  
SCL  
V micaeolus

8" Brn SL  
saprolite  
micaeolus

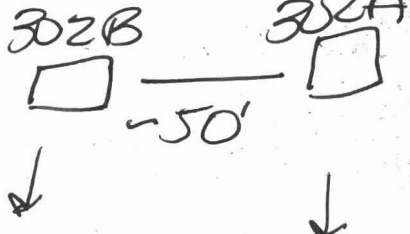
8" Brn/DK Brn  
LS Sg  
micaeolus  
saprolite

14"



Lot 16  
House

Lot 15



302B

1" Brn L  
gr  
2D SC  
micaeolus  
3msbk  
dense

2" 2D Brn  
SCL  
5" micaeolus  
DK Brn  
SL micaeolus  
saprolite

8" Brn/DK Brn  
LS  
V micaeolus  
Sg

16"

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/14/07	302A	4.5' 14'	9:10	9:33	9:50	17	P
	302B	5' 16'	Visual				P

REMARKS \_\_\_\_\_

SANITARIAN \_\_\_\_\_ BACKHOE FDg/cs (Jake) OTHERS \_\_\_\_\_

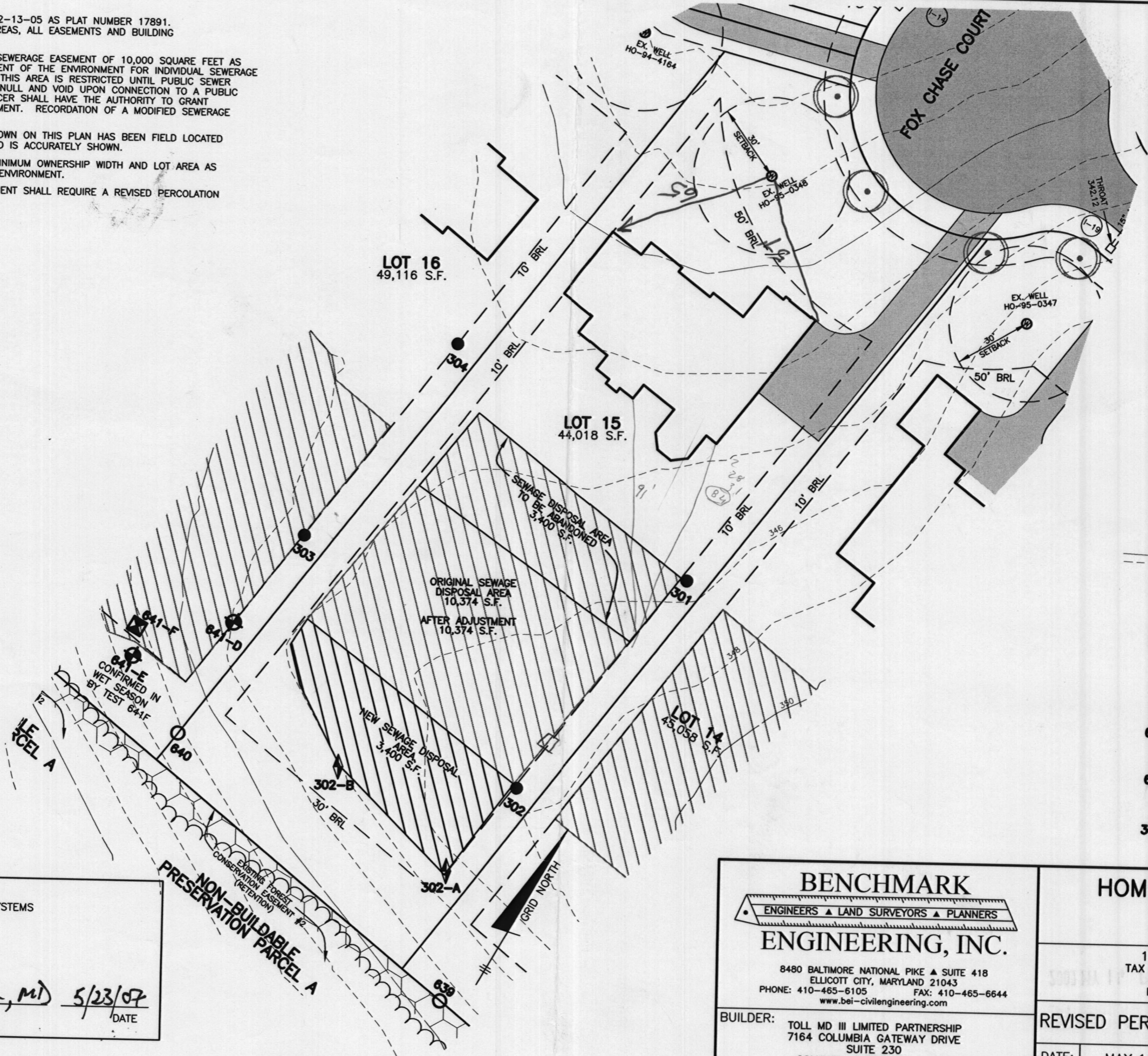
TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

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

11619 Homeland Crossing

**NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON 12-13-05 AS PLAT NUMBER 17891. REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT 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 PLAT SHALL NOT BE NECESSARY.
3. THE EXISTING WELL (TAG NO. HO-95-0348) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON 9-7-06 AND IS ACCURATELY SHOWN.
4. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
5. ANY CHANGES TO THE PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.



**LEGEND**

- EXISTING CONTOURS ESTABLISHED UNDER F-05-031
- ⊙ FIELD SURVEYED WELL LOCATION
- 1251 PASSED PERC HOLE PER SP-02-013
- 306 FAILED PERC HOLE PER SP-02-013
- ⊕ 641-D PASSED PERC HOLE OCTOBER, 2006
- ⊞ 641-F PASSED WET SEASON PERC HOLE APRIL, 2007
- ⬆ 302-A PASSED PERC HOLE MAY, 2007

APPROVED:  
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*B. Nyman for Peter B. Jensen, MD* 5/23/07  
COUNTY HEALTH OFFICER AT 1780 DATE

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

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418  
ELLCOTT CITY, MARYLAND 21043  
PHONE: 410-465-6105 FAX: 410-465-6644  
www.bei-civilengineering.com

BUILDER: TOLL MD III LIMITED PARTNERSHIP  
7164 COLUMBIA GATEWAY DRIVE  
SUITE 230  
COLUMBIA, MARYLAND 21046  
410-872-9105

**HOMEWOOD CROSSING  
LOT 15**

11619 FOX CHASE COURT  
TAX MAP 29, GRID 9 - PARCEL 28  
3rd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

**REVISED PERCOLATION CERTIFICATION PLAN**

DATE:	MAY 14, 2007	PROJECT NO.	1913
SCALE:	1" = 40'	DRAWING	1 OF 1