

# APPLICATION

## PERCOLATION TESTING

A \_\_\_\_\_

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 \_\_\_\_\_

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

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

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

PROPERTY LOCATION:

SUBDIVISION Benedict LOT NO. 16

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 \_\_\_\_\_

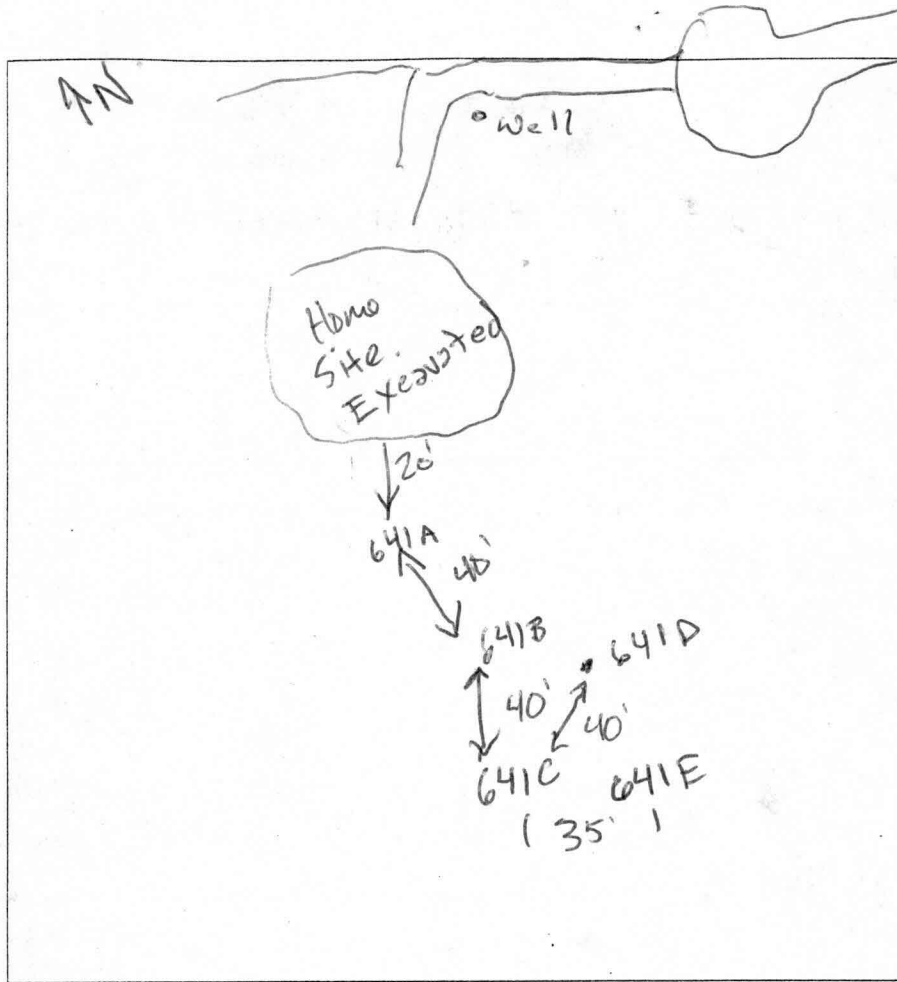
# THIS IS NOT A PERMIT

A/P

641D  
 Red-Brn  
 Cm-Clm  
 3'  
 Red S&Cl  
 5'  
 Lt Brown  
 Loamy Ss  
 20% med. con.  
 Saprolite  
 12'

641C  
 Brown Cm  
 1'  
 Red S&Cl  
 -Clm  
 6'  
 Yellow Brown  
 Loamy Ss  
 25%  
 Saprolite  
 Veins  
 12'

641B  
 Red-Yellow  
 Clm-S&Cl  
 6'  
 Yellow Brown  
 Loamy Ss  
 30%  
 Saprolite  
 12'



641A  
 See  
 641B  
 Transition  
 @ 7'

641E  
 Red Yellow  
 Cl  
 3'-Mottled  
 4'  
 Yellow  
 Ss  
 35%  
 Fr frag  
 & strong  
 Saprolite  
 Mottled  
 hand bottom  
 12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/10/06	641D	5'/12	9:24			Pulled Slow @ 20m	
		12'	(V)				
		6'	9:57	9:59	10:02	-	3m
	641C	6'/12	9:47			Pulled Slow @ 20m	
		12'	(V)				
		7'/12	10:19	10:34	11:02	28m	P
	641B	12'	(V)				P
	641A	12'	(V)				P
	641E	12'	(V)	F Hold for wet season			H

Tested 3/27/07  
 See notes  
 OK

REMARKS Home site excavated - site as approved? if not STOP!

SANITARIAN GAC BACKHOE Fogles OTHERS 10/10 site OK AT

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

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

515042

COUNTY #

SOIL PROFILE

1251

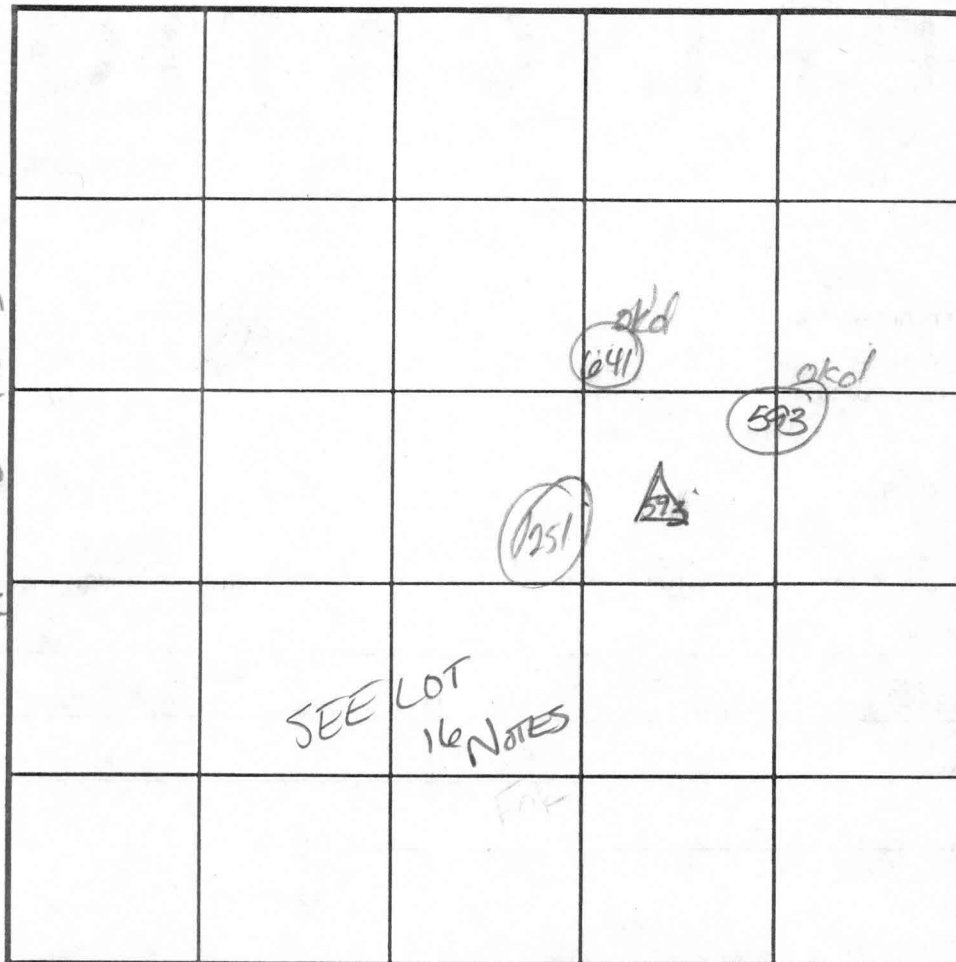
0'

Strong  
org bn  
heavy Lm  
Trace Lx  
6 1/2'  
str. brn  
micaceous  
loamy  
sand  
pebbles & Rck  
≤ 10%  
13'

SOIL PROFILE

0'

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-27-02	1251	5'	2:44 <sup>43</sup>	2:46 <sup>42</sup>	2:46 <sup>42</sup>	2:48 <sup>50</sup>	2 min
		7'	2:35:40	2:38 <sup>10</sup>	2:38 <sup>10</sup>	2:42 <sup>30</sup>	4 min

ok

REMARKS DUG PER PLAN

TYPE OF SOIL LOT 16

TESTED BY Kacie ALSO PRESENT Chuck Cross

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

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

# 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 \_\_\_\_\_

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

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

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

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(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

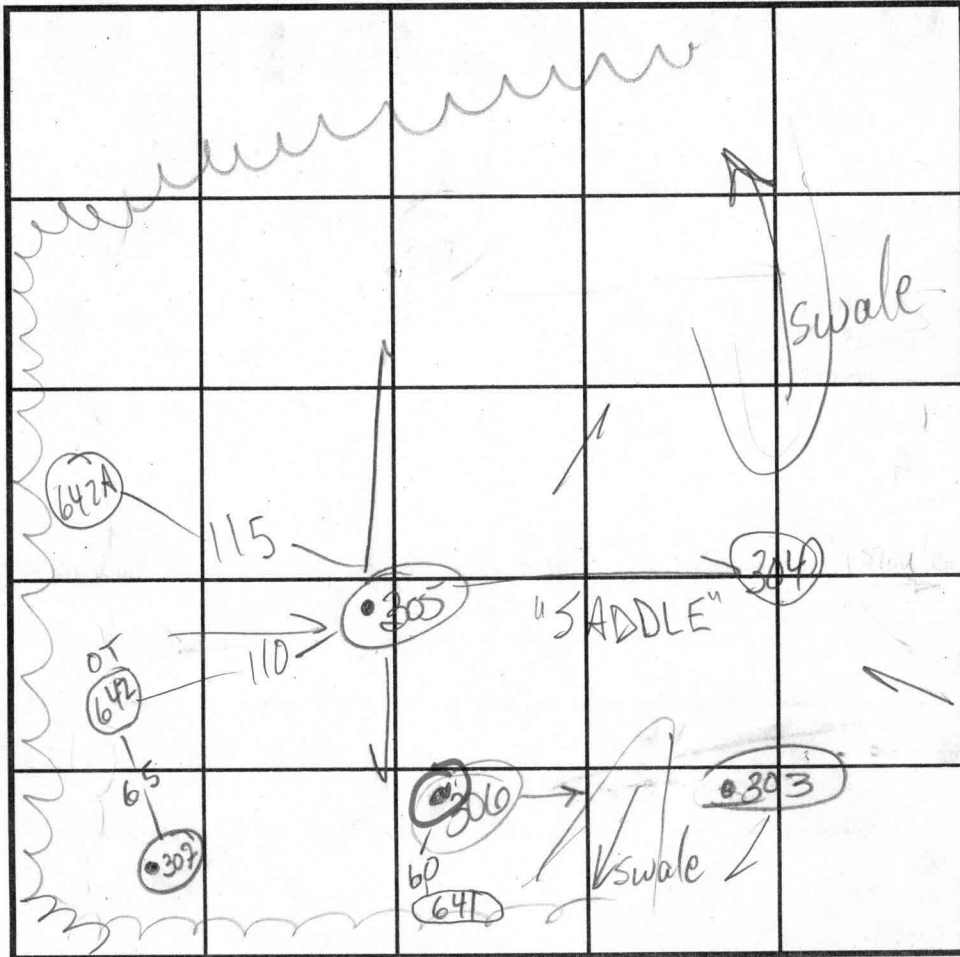
0' (305)  
 4" Topsoil  
 Red  
 Brn  
 yellow  
 org  
 CL Lm  
 dk  
 5'6"  $\geq 5\%$  Frag  
 tan, H brn  
 Loam  
 4 1/2" Bottom

(300)  
 Topsoil  
 org  
 rd brn  
 CL Lm  
 rock Frag  
 5-10%  
 N  
 W  
 S  
 E

1/2-7  
 1/4 tan  
 beige  
 brn  
 Si Lm  
 SAP@  $\leq 10\%$   
 14'8" Bottom

(307)  
 topsoil  
 4" red tan  
 dk beige  
 CL Lm  
 6 1/2-7  
 1/4 tan  
 beige  
 Si Lm

14'10" Bottom  
 Supplemental  
 @ 5%



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Rt 108

SOIL PROFILE

0' (304)  
 4" Topsoil  
 brn red  
 CL Lm  
 5-10% Frag  
 6" brn wh.  
 tan lm  
 4 sa lm  
 10% frags  
 14 1/2" H<sub>2</sub>O

15'  
 (303)  
 4" Topsoil  
 Dense  
 hed  
 brn  
 CL Lm  
 6" tan beige  
 brn  
 Si Lm  
 15'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-30-01	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' 8"	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. roro  
Mike J + crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

COUNTY #

SOIL PROFILE

640

0' topsoil

---

org red  
brn  
cl lm

---

4.5'  
5' med  
org brn  
sa mica  
lm

---

10%+  
rock

---

12' water

SOIL PROFILE

0'


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	640	5.5'S	11:40 <sub>3</sub>	11:42	11:42	11:46	4
		12.0'D	water	- see	profile		FAIL

REMARKS \_\_\_\_\_

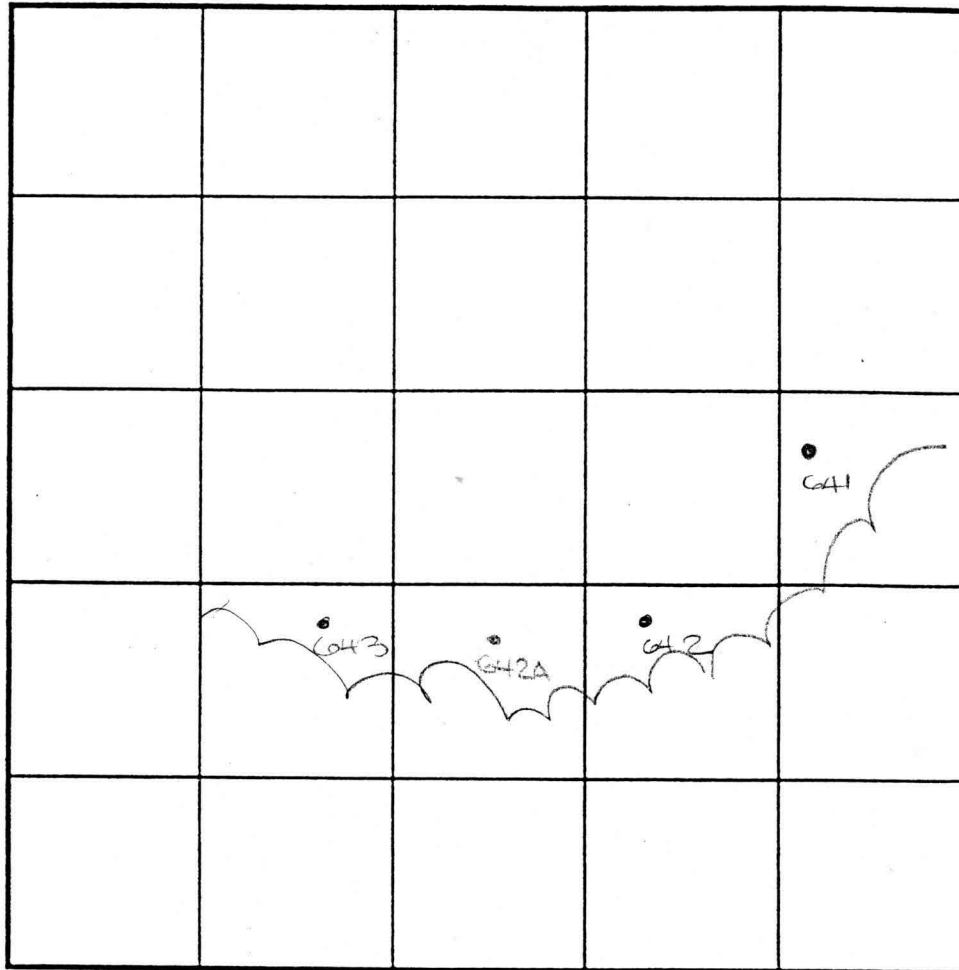
TYPE OF SOIL \_\_\_\_\_ DUE TO DROUGHT CONDITIONS,  
 TESTED BY DKC APPROVABLE HOLES MUST HAVE 8  
 TRENCH DESIGN DAT \_\_\_\_\_ FEET FROM OBSERVED  
 INLET DEPTH \_\_\_\_\_ GROUNDWATER TO BOTTOM OF  
 PROPOSED SEPTIC SYSTEM

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

COUNTY #

SOIL PROFILE

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



SOIL PROFILE

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

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

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

0' (642A)  
 1' topsoil  
 org btm  
 cl lm  
 4.5'  
 14' btm  
 sa  
 mica  
 lm  
 15%  
 rock  
 14.5'

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		

REMARKS

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

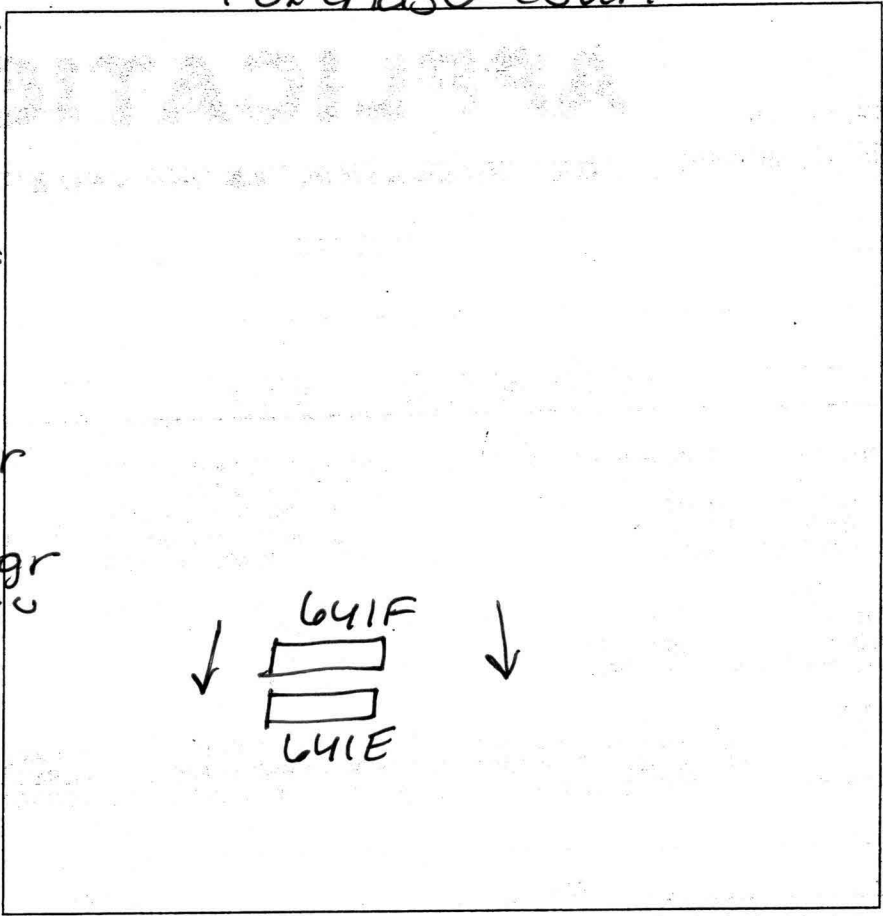
ALSO PRESENT M. Johnson & crew  
 TRENCH WIDTH \_\_\_\_\_  
 SQ. FT./BEDROOM \_\_\_\_\_

# Fox Chase Court

AP 515042

W41F

- 8" Brn L
- RD CL
- Quartz gr.
- 3' Brn Yell
- SL
- supraorb
- quartz gr
- 10' Brn SL
- 30% quartz gr
- 12' - H<sub>2</sub>O seepage
- 14'



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/27/07	W41F	4.5' 14'	8:47	8:48	8:51	3	P

REMARKS W41F Tested in wet season

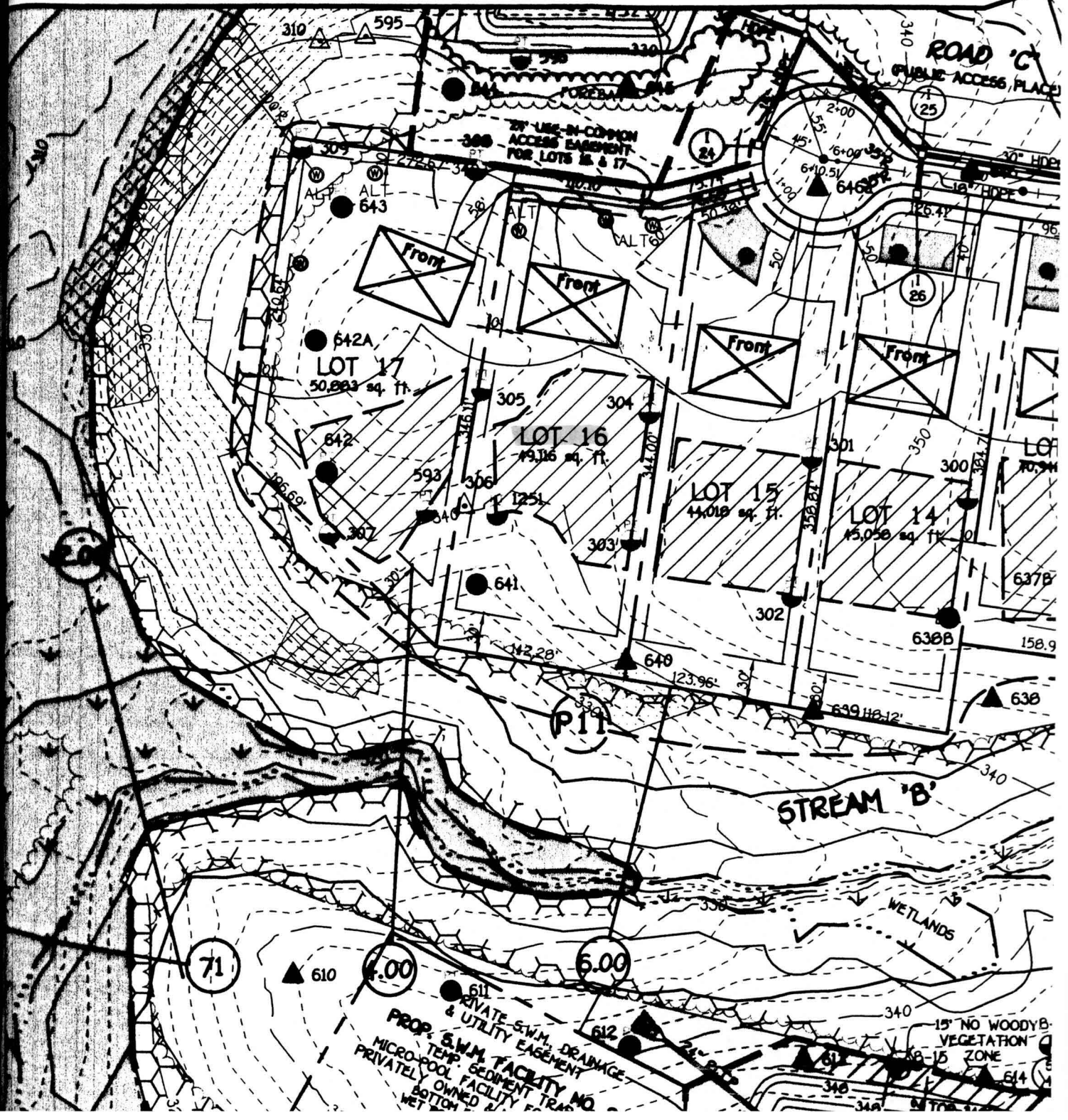
SANITARIAN AT/SF BACKHOE lake (Fogles) OTHERS \_\_\_\_\_

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

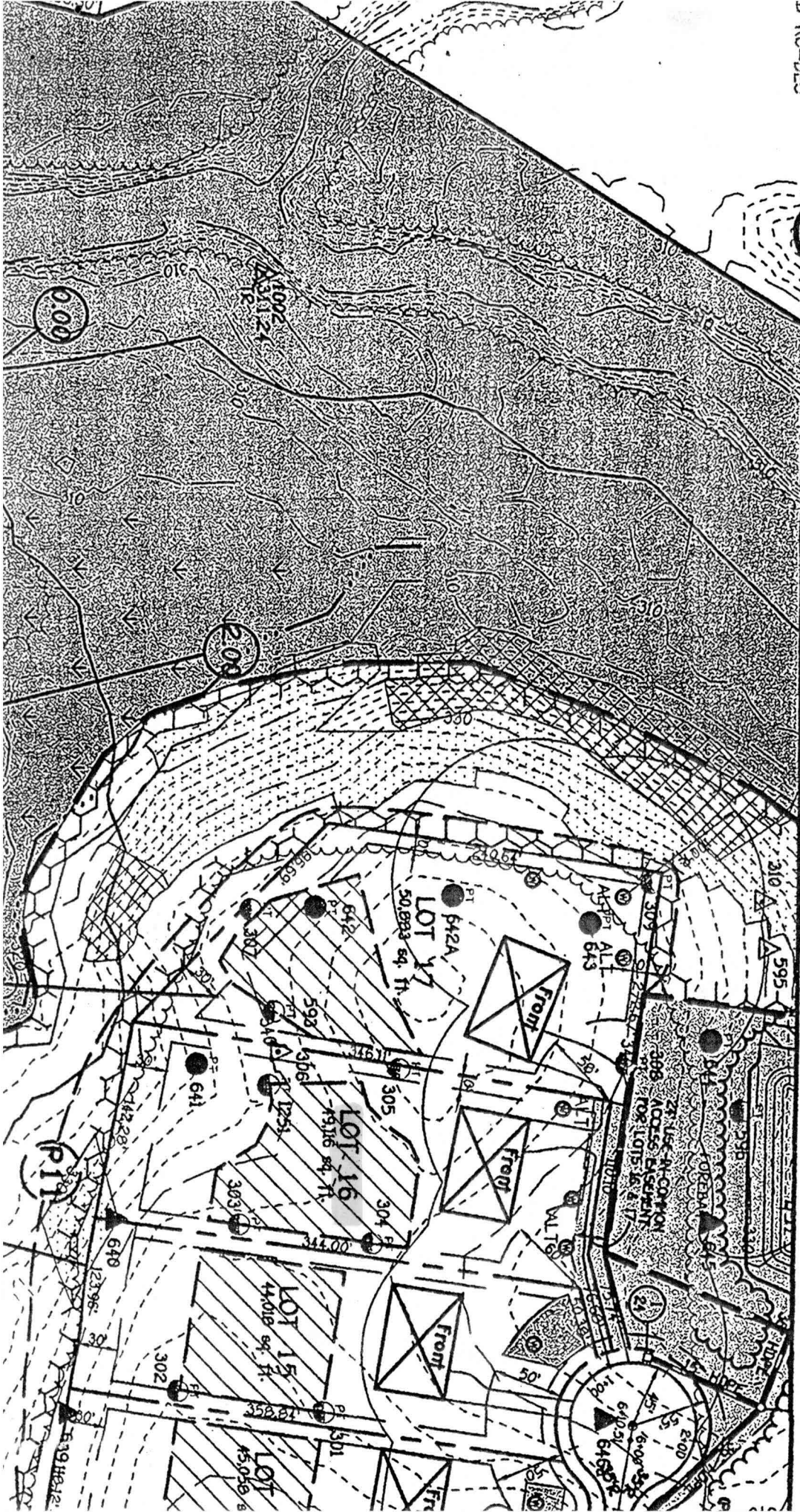
TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

SPO2-13  
80sheet 1/3/03

SEE SHEET 4

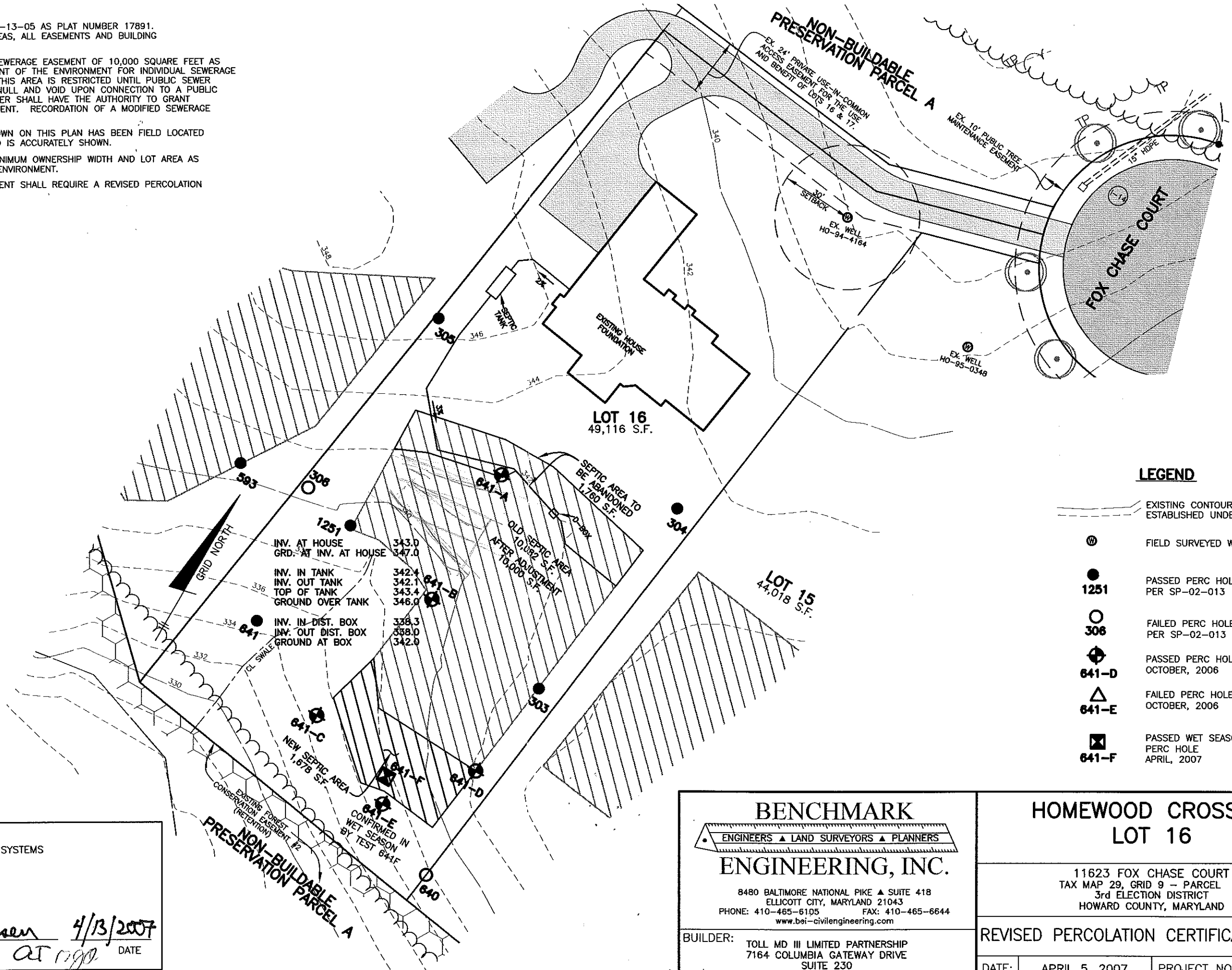


MATCH LINE SEE SHEET 4



**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-94-4164) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON 6-1-06 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
- PASSED PERC HOLE PER SP-02-013
- FAILED PERC HOLE PER SP-02-013
- PASSED PERC HOLE OCTOBER, 2006
- FAILED PERC HOLE OCTOBER, 2006
- PASSED WET SEASON PERC HOLE APRIL, 2007

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

*B. Wilson for Peter Bsileman* 4/13/2007  
 COUNTY HEALTH OFFICER AT 10:00 DATE

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

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

**HOMEWOOD CROSSING**  
**LOT 16**

11623 FOX CHASE COURT  
 TAX MAP 29, GRID 9 - PARCEL 28  
 3rd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

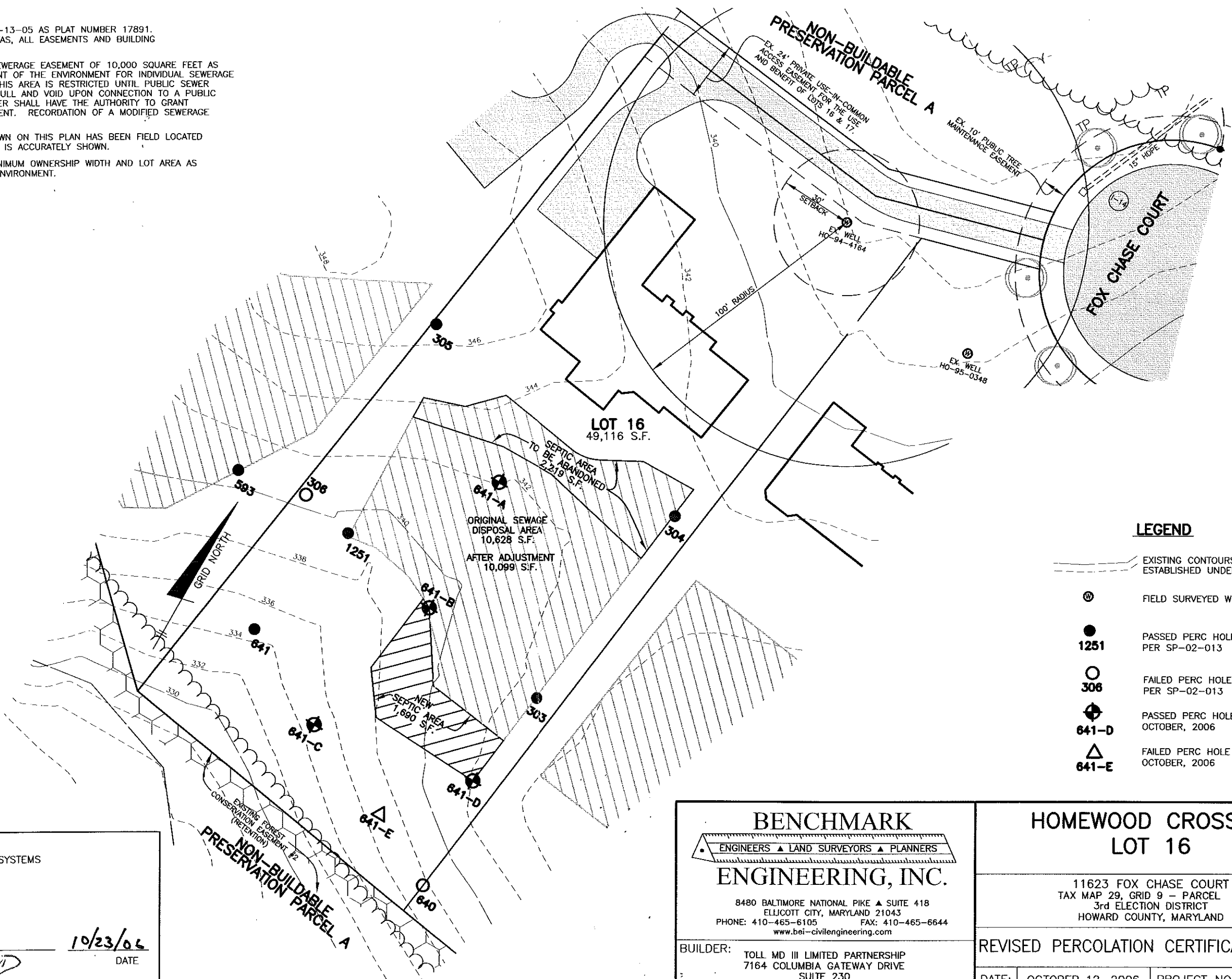
**BUILDER:** TOLL MD III LIMITED PARTNERSHIP  
 7164 COLUMBIA GATEWAY DRIVE  
 SUITE 230  
 COLUMBIA, MARYLAND 21046  
 410-872-9105

**REVISED PERCOLATION CERTIFICATION PLAN**

DATE:	APRIL 5, 2007	PROJECT NO.	1913
SCALE:	1" = 40'	DRAWING	1 OF 1

**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-94-4164) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON 6-1-06 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.



**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-E FAILED PERC HOLE OCTOBER, 2006

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

*Robert J. Weber*  
COUNTY HEALTH OFFICER *at* *10/23/06* DATE

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

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**HOMEWOOD CROSSING**  
**LOT 16**

11623 FOX CHASE COURT  
TAX MAP 29, GRID 9 - PARCEL 28  
3rd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

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

**REVISED PERCOLATION CERTIFICATION PLAN**

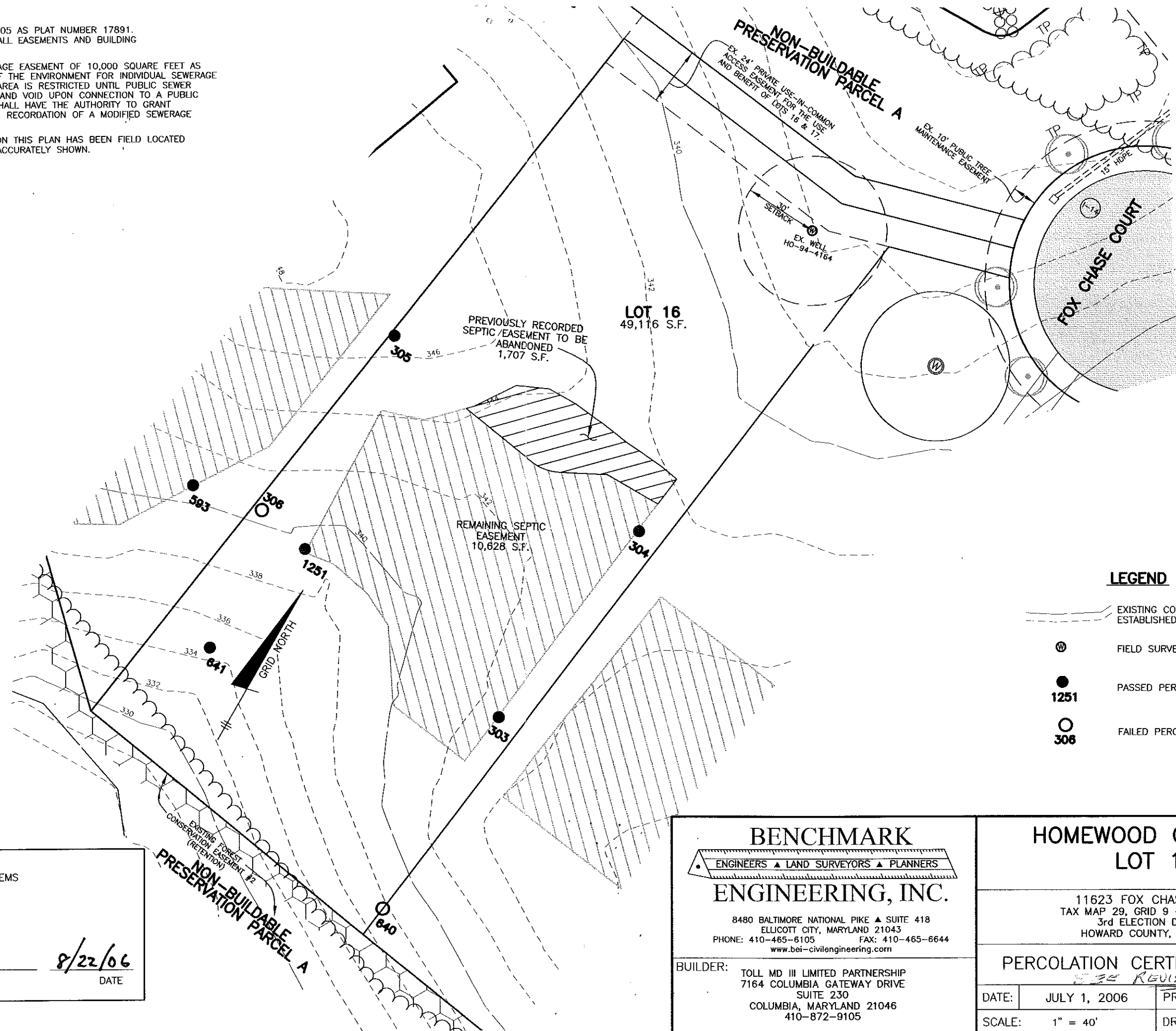
DATE:	OCTOBER 12, 2006	PROJECT NO.	1913
SCALE:	1" = 40'	DRAWING	<u>1</u> OF <u>1</u>

**NOTES:**

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3. THE EXISTING WELL (TAG NO. HO-94-4164) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON 6-1-06 AND IS ACCURATELY SHOWN.



**LEGEND**

- EXISTING CONTOURS ESTABLISHED UNDER F-05-031
- FIELD SURVEYED WELL LOCATION
- PASSED PERC HOLE
- FAILED PERC HOLE

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

*Robert J. Weber*  
for COUNTY HEALTH OFFICER

8/22/06  
DATE

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

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**HOMEWOOD CROSSING  
LOT 16**

11623 FOX CHASE COURT  
TAX MAP 29, GRID 9 - PARCEL 28  
3rd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

**PERCOLATION CERTIFICATION PLAN**  
*53% REVISED Perc Cert*

DATE:	JULY 1, 2006	PROJECT NO.	1913
SCALE:	1" = 40'	DRAWING	1 OF 1

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