

# 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 Home wood 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

648

0'

topsoil

red org  
brn  
cl Lm

5'

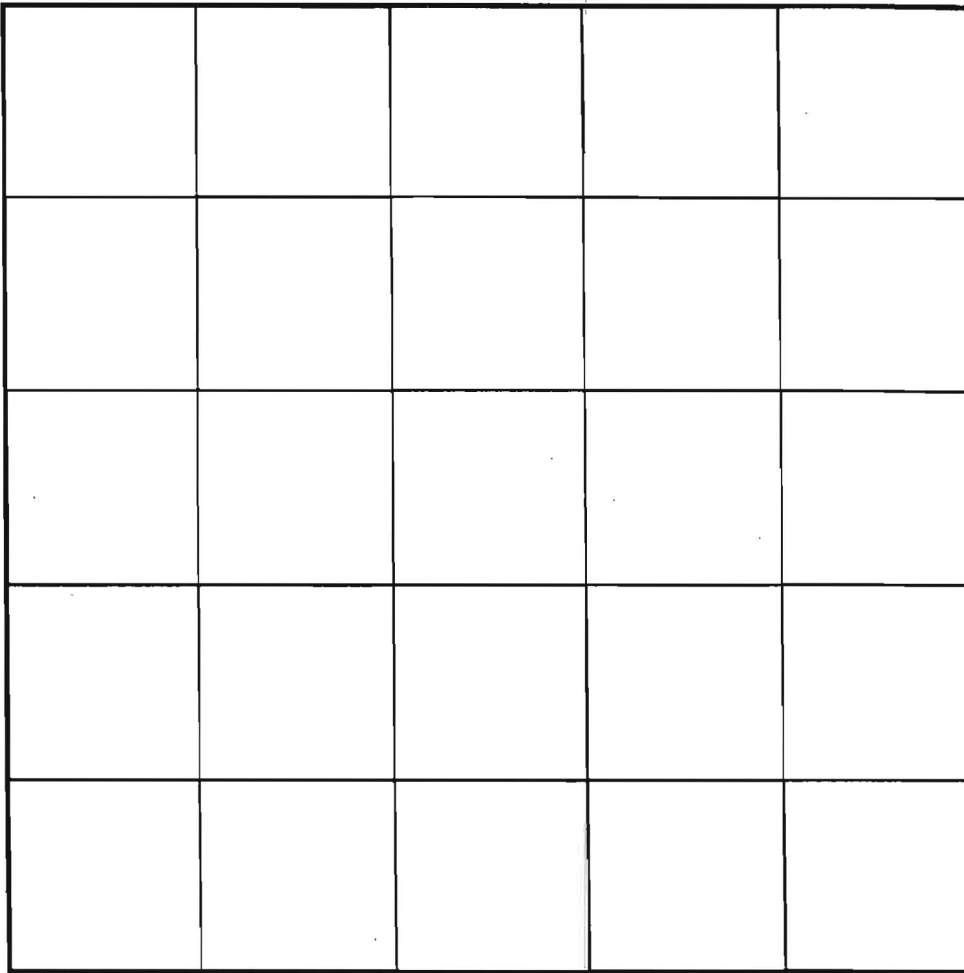
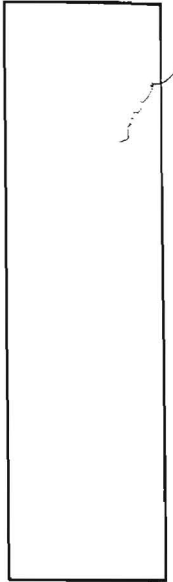
med brn  
to  
org tan  
sa mica  
Lm

20%+  
rock

14'

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	<del>648</del>	4.5' S	1:28	No movement	1:58	-	
		14.0' D	Visual	- see profile			OK

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'

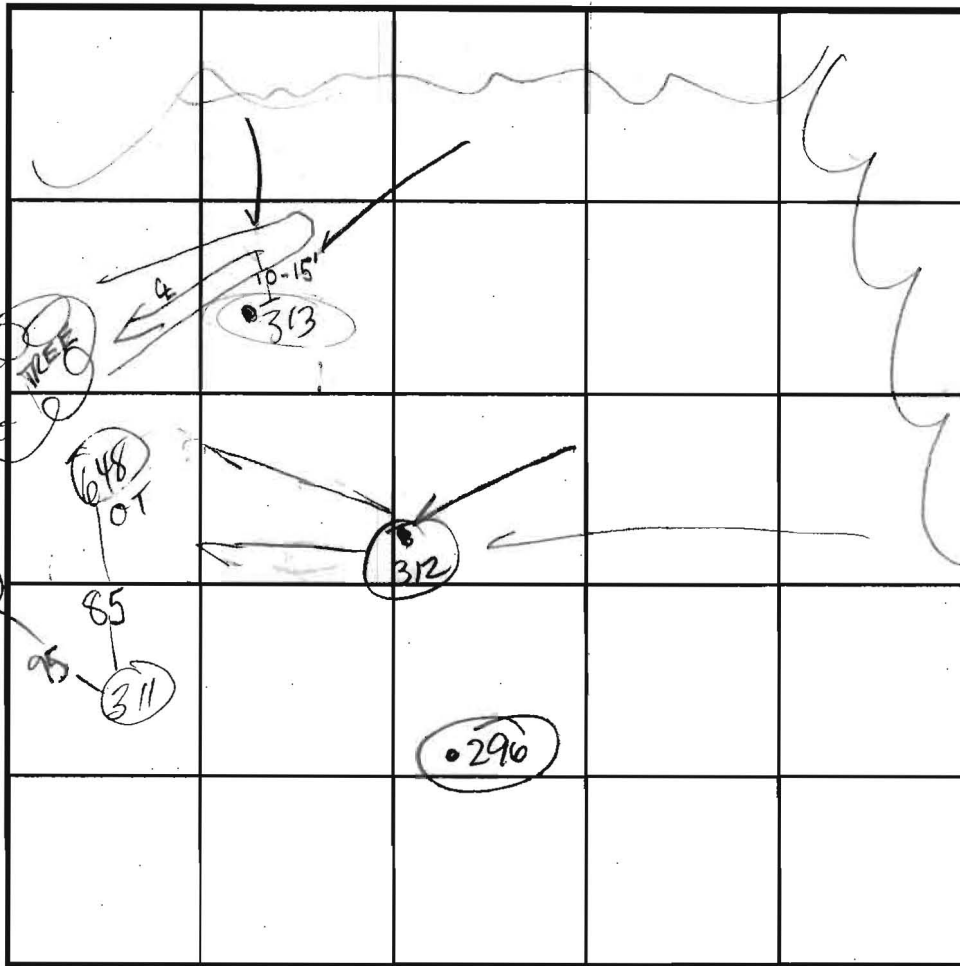
ALSO PRESENT M. Johnson & crew  
Owners  
 TRENCH WIDTH \_\_\_\_\_  
 SQ. FT./BEDROOM \_\_\_\_\_

COUNTY #

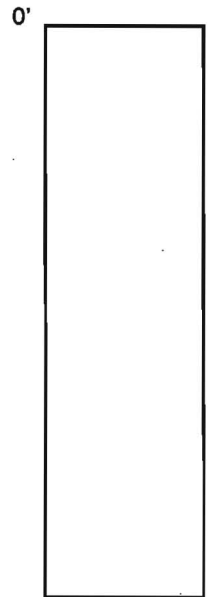
SOIL PROFILE

0'  
4"  
4'  
13 1/2'  
15'

Topsoil  
red brn  
brn  
org  
CL Lm  
lt beige  
brn  
lt brn  
Loam  
Bottom



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-30-01	312	4 1/2 5'	3:21	3:23 <sup>30</sup>	3:23 <sup>30</sup>	3:25 <sup>00</sup>	2 1/2 min
		15'D					Pass
	313	5 15'	3:20	3:22	3:22	3:27	5 min
		15'D					Pass
	311	4 1/2 / 13 1/2'	2:49	2:51	2:51	2:55	4

REMARKS HOLES PER PLAN

TYPE OF SOIL

TESTED BY Goedky / MR ALSO PRESENT Chuck Crowe Mike Jacew

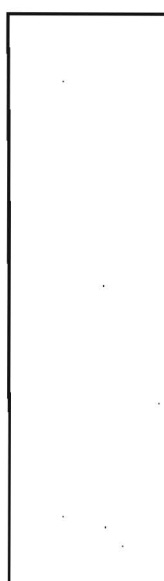
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

3 1/2 - 4

4"  
15'

Topsoil  
brn  
CL Lm  
lt beige  
brn  
lt brn  
Loam  
Bottom



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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 3/4 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

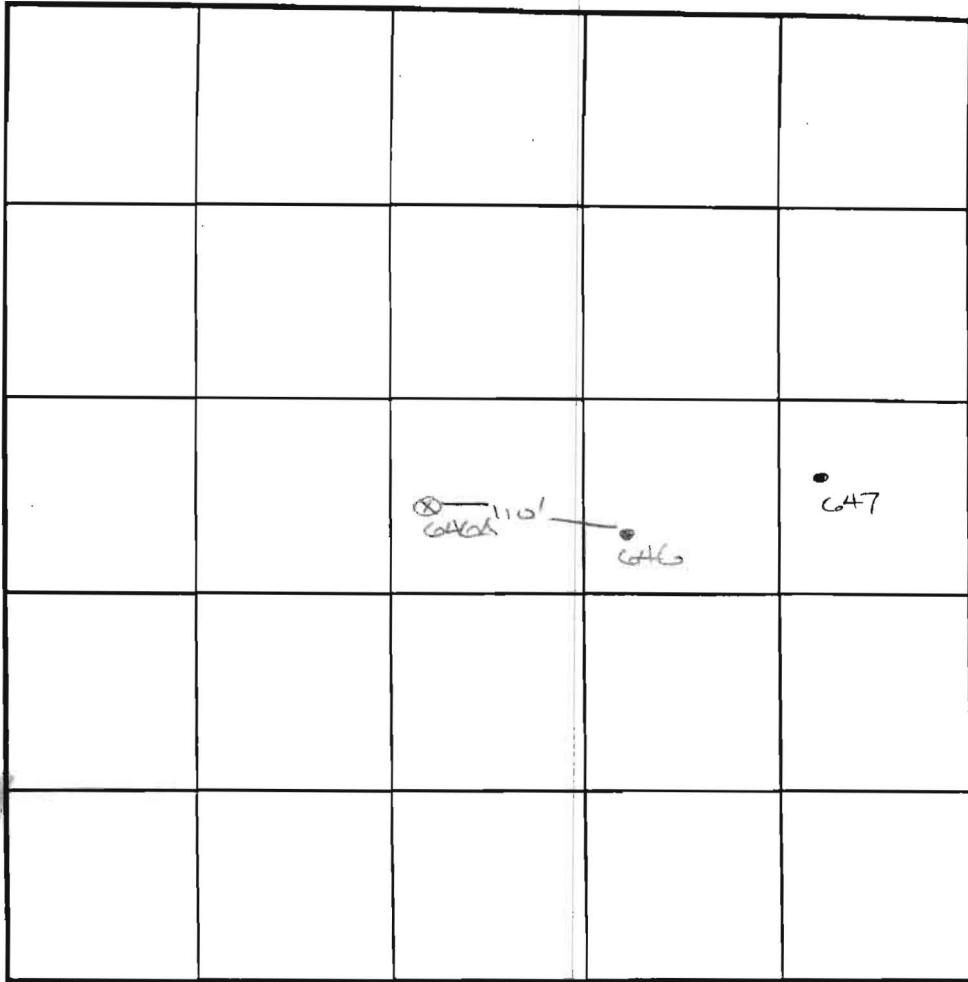
COUNTY #

SOIL PROFILE

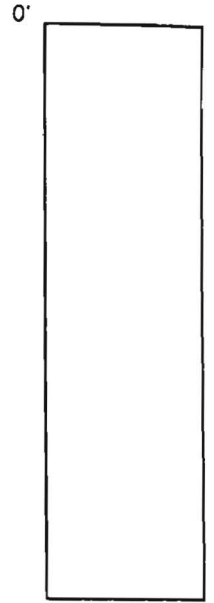
0' 646A  
 1' topsoil  
 red org bmn  
 cl Lm  
 4.5' med org  
 bmn to  
 dk bmn  
 sa mica  
 Lm  
 0' cave in  
 9'7" water

0' 646  
 1' topsoil  
 red org  
 bmn  
 cl Lm  
 0.5' med org  
 bmn to  
 dk bmn  
 sa mica  
 Lm  
 2'8" water

0' 647  
 1' topsoil  
 red org  
 bmn  
 cl Lm  
 # med  
 org bmn  
 sa mica  
 Lm  
 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	646A	4.5' S	1:12	1:13	1:13	1:16	3	
		9'7" D	water (cave in 8')					FAIL
	646	5.0' S	1:16	1:46	1:46	slow		FAIL
		12'8" D	water - see profile					FAIL
	<del>647</del>	4.5' S	1:22	1:30	1:30	1:38		8
		13.5' D	water - see profile					OK



REMARKS

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

SO PRESENT M. Johnson crew  
 OWNERS  
 TRENCH WIDTH \_\_\_\_\_  
 30. FT/BEDROOM \_\_\_\_\_

**NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON MAY 2, 2006 AS PLAT NUMBER 18245. REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. 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. EXACT LENGTH OF SEPTIC TRENCHES ARE BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PRECONSTRUCTION INSPECTION.
4. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
5. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD COUNTY CONSERVATION DISTRICT UNDER F-05-069 AND GP-07-067 AND SHALL COMPLY WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
6. STORMWATER MANAGEMENT FOR THIS LOT WAS PROVIDED UNDER F-05-069.
7. THE EXISTING WELL (TAG NO. HO-95-0492) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
8. THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO ADJUST THE SEPTIC EASEMENT AND WELL BOX IN SUPPORT OF A BUILDING PERMIT APPLICATION FOR NEW CONSTRUCTION AT 11115 OLD HOWEWOOD COURT, ELLICOTT CITY, MARYLAND 21043.

 DENOTES AREA TO BE ADDED TO SEPTIC AREA  
 DENOTES NEW WELL BOX LOCATION

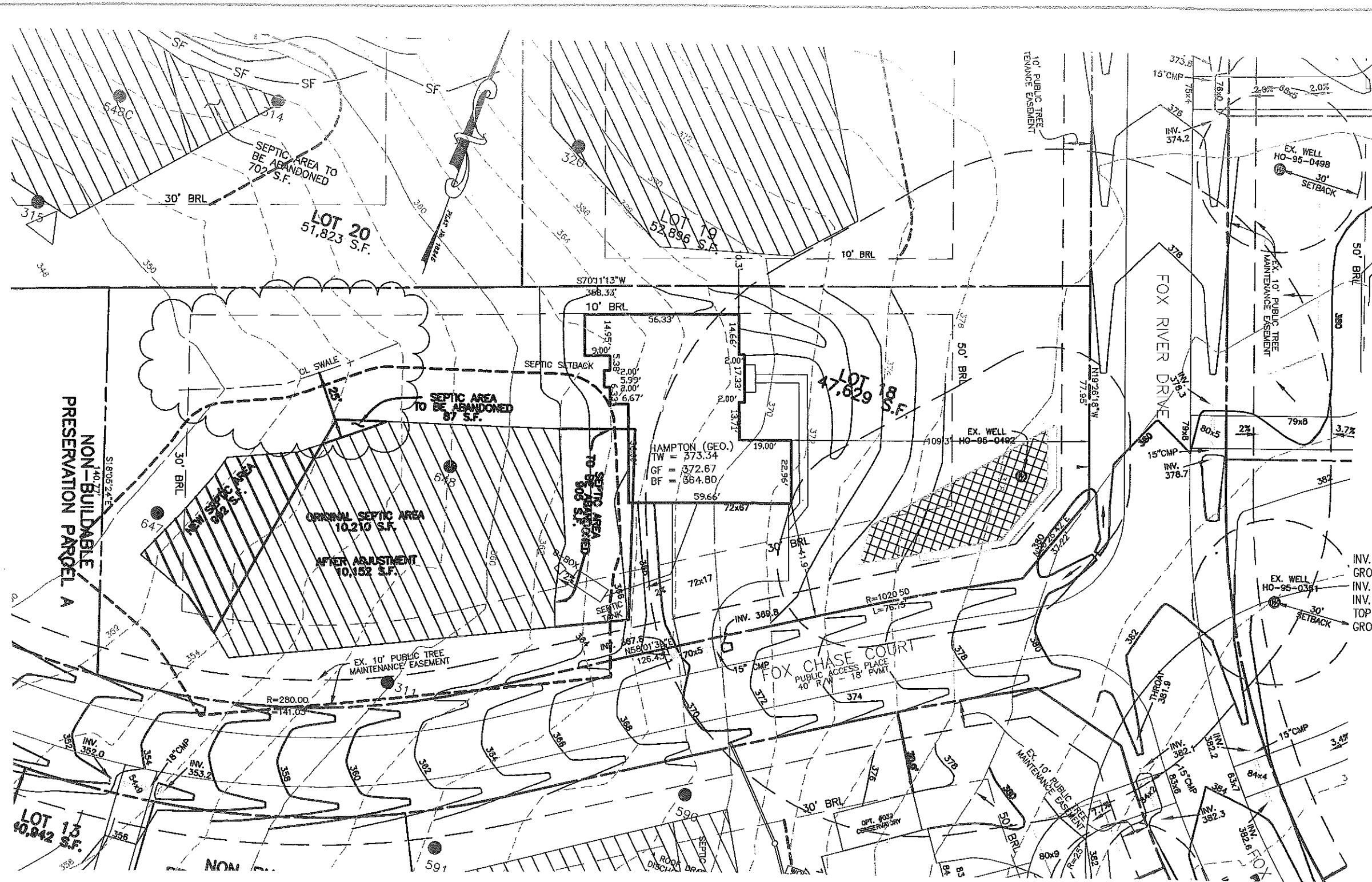
INV. @ HOUSE	361.80	INV. IN DIST. BOX	360.00
GROUND @ INV. @ HOUSE	372.67	INV. OUT DIST. BOX	359.70
INV. IN TANK	360.80	GROUND @ BOX	363.00
INV. OUT TANK	360.50	WELL No.	HO-95-0492
TOP OF TANK	361.50		
GROUND OVER TANK	364.00		

ADDRESS: 11602 FOX CHASE COURT  
ELLICOTT CITY, MD 21042

TYPE: HAMPTON (GEORGIAN)-	
WALK OUT BASEMENT	OPTION No. 017
PALM BEACH SUNROOM	OPTION No. 026
ADD'L 1' TO HEIGHT OF BASEMENT	OPTION No. 070
BRICK SIDES AND REAR OF HOME	OPTION No. 673

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

BY: *Wyan for Peter Brilenson* 12/17/09  
 COUNTY HEALTH OFFICER *(Signature)* DATE *12/17/09*



TO BE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THE FOLLOWING STATEMENTS ARE TRUE:

1) ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITH IN 100' OF THE PROPERTY BOUNDARIES HAVE BEEN SHOWN. ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWNGRADEMENT OF ANY EXISTING OR PROPOSED SEPTIC SYSTEM AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN SHOWN. THE ENGINEER HAS USED ALL EFFORTS TO FIND THE LOCATIONS OF ALL SURROUNDING WELLS AND SEPTIC SYSTEMS

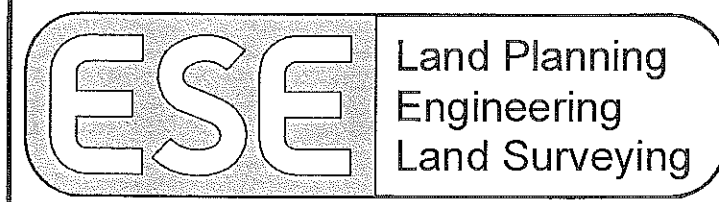
THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTHS AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AS SHOWN ON THE RECORD PLAT 18240 GENERAL NOTES ITEM 2.

ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN

THE ENTIRE SUBJECT PROPERTY IS WITHIN SOIL MAP UNIT \_\_\_\_\_




PERMIT PLOT PLAN & *Revised*  
 PERCOLATION CERTIFICATION PLAN  
 LOT #18  
**HOMEWOOD CROSSING**  
 D.B. 9808, PG. 204  
 PLAT No. 18245  
 THIRD ELECTION DISTRICT  
 HOWARD COUNTY

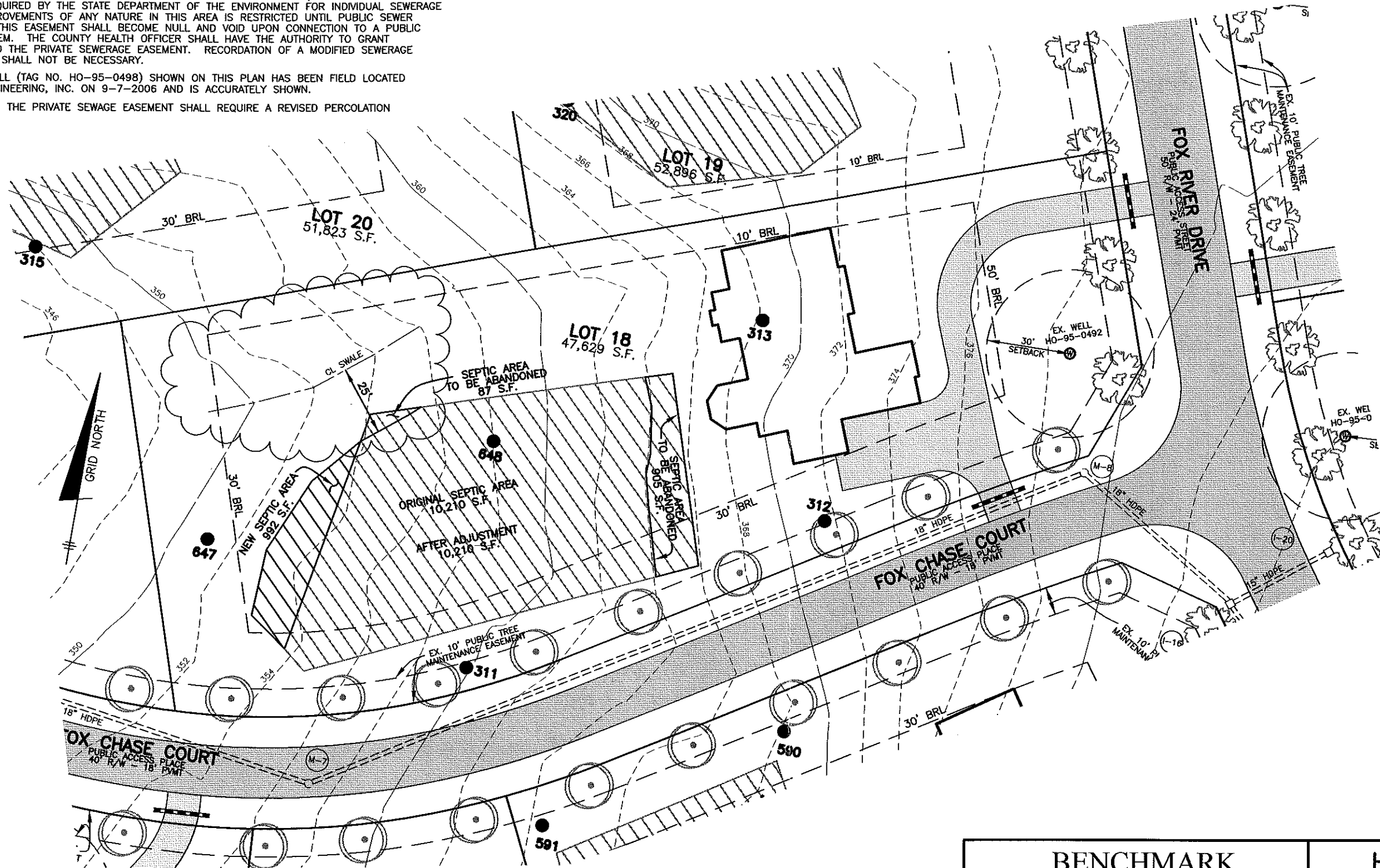


ESE Consultants Inc.  
 7164 Columbia Gateway Dr.  
 Suite 203  
 Columbia, MD 21046  
 TEL: 410-872-9105  
 FAX: 410-872-4870

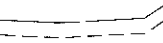



DATE: 11/25/09      SCALE: 1"=40'      FILE: LOT 18 PP  
 CHK'D: MJB      JOB#: 1214      DRAWN: MJB

**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-95-0498) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON 9-7-2006 AND IS ACCURATELY SHOWN.
4. 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
-  308 FAILED PERC HOLE PER SP-02-013

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

*B. Nyman for Peter Beilensen* 4/13/2007  
COUNTY HEALTH OFFICER 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 18**

11602 FOX CHASE COURT/11531 FOX RIVER DRIVE  
TAX MAP 29, GRID 9 - PARCEL 28  
3rd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

**REVISED**  
**PERCOLATION CERTIFICATION PLAN**

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



PRIVATE SEPTIC INFORMATION			
LOT NUMBER	SEPTIC AREA SIZE	LOT NUMBER	SEPTIC AREA SIZE
1	10,170 sq.ft.	41	10,048 sq.ft.
2	10,077 sq.ft.	42	10,006 sq.ft.
3	10,199 sq.ft.	43	11,805 sq.ft.
4	10,621 sq.ft.	44	10,040 sq.ft.
5	10,852 sq.ft.	45	10,607 sq.ft.
6	10,040 sq.ft.	46	10,088 sq.ft.
7	10,375 sq.ft.	47	10,032 sq.ft.
8	10,846 sq.ft.	48	10,094 sq.ft.
9	10,198 sq.ft.	49	10,812 sq.ft.
10	10,041 sq.ft.	50	10,086 sq.ft.
11	10,083 sq.ft.	51	10,282 sq.ft.
12	10,112 sq.ft.	52	10,431 sq.ft.
13	10,069 sq.ft.	53	10,009 sq.ft.
14	10,011 sq.ft.	54	11,473 sq.ft.
15	10,374 sq.ft.	55	10,242 sq.ft.
16	12,335 sq.ft.	56	10,158 sq.ft.
17	10,141 sq.ft.	57	11,250 sq.ft.
18	10,210 sq.ft.	58	10,149 sq.ft.
19	10,745 sq.ft.	PARCEL A	11,944 sq.ft.
20	10,703 sq.ft.	59	10,754 sq.ft.
21	11,751 sq.ft.	60	10,287 sq.ft.
22	10,118 sq.ft.	61	10,108 sq.ft.
23	10,055 sq.ft.	62	10,790 sq.ft.
24	10,031 sq.ft.	63	10,615 sq.ft.
25	10,340 sq.ft.	64	11,220 sq.ft.
26	11,222 sq.ft.	65	12,076 sq.ft.
27	10,885 sq.ft.	66	10,706 sq.ft.
28	13,499 sq.ft.	67	10,072 sq.ft.
29	10,193 sq.ft.	68	10,072 sq.ft.
30	10,744 sq.ft.	69	10,382 sq.ft.
31	10,354 sq.ft.	70	10,197 sq.ft.
32	11,090 sq.ft.	71	10,099 sq.ft.
33	10,411 sq.ft.	72	10,252 sq.ft.
34	10,829 sq.ft.	73	11,603 sq.ft.
35	11,229 sq.ft.	74	10,079 sq.ft.
36	10,459 sq.ft.	75	10,311 sq.ft.
37	10,006 sq.ft.	76	10,212 sq.ft.
38	10,060 sq.ft.	77	10,827 sq.ft.
39	10,092 sq.ft.	78	10,016 sq.ft.
40	10,842 sq.ft.	79	10,555 sq.ft.

TENTATIVELY APPROVED  
 DEPT. OF PLANNING AND  
 ZONING OF  
 HOWARD COUNTY

*Janice D. Leight* 1/28/03  
 PLANNING DIRECTOR DATE  
 (Acting) JA