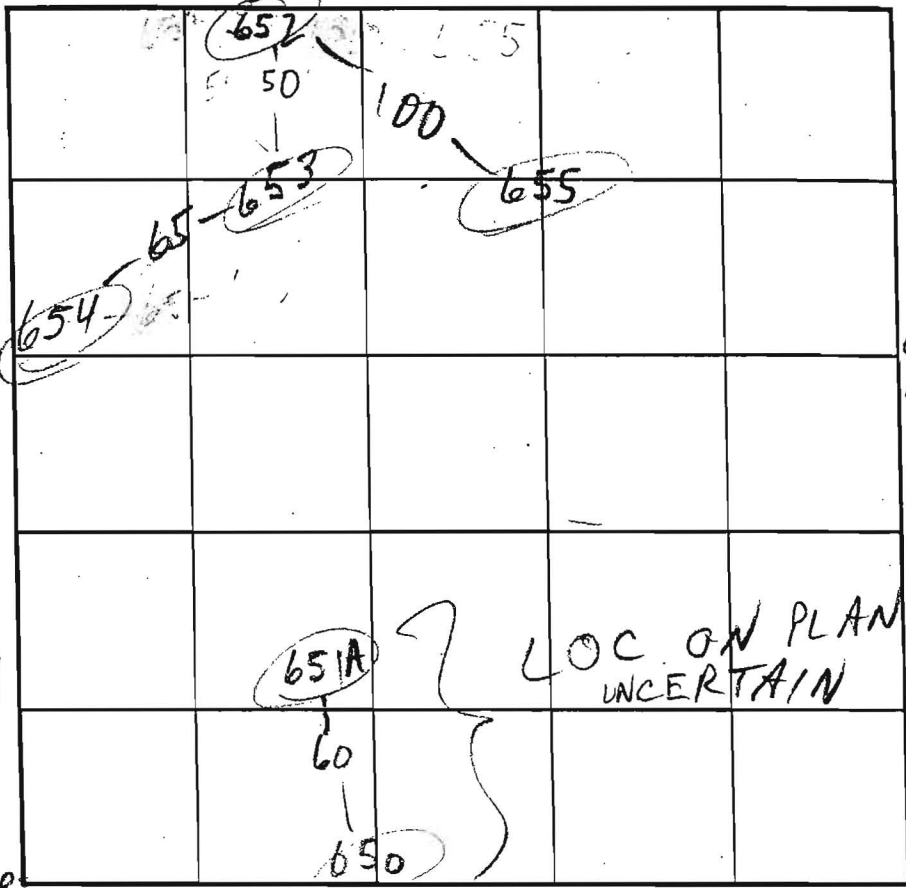


Benedict Farm

COUNTY #  
 SOIL PROFILE  
 672  
 0' top soil  
 1' red org brn cl lm  
 3.5' med org brn sa mica lm  
 12'8" Refusal



SOIL PROFILE  
 653  
 0' deep org sa cl lm  
 6-15-20%  
 6 1/2' tan beige lt. brn sand  
 13 1/2' 15-20%

650/51  
 6  
 6 1/2' orge brn sil lm gray mottles  
 13 1/2' tan beige sand  
 10 1/2' 10 1/2'

13 1/2' 654/652  
 5-1/2' orge brn cl lm  
 15-20% Frag  
 compacted coarse tan brn sand  
 15 1/2' frags  
 13 1/2'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-31-01	672	4.9' S	10:26	10:30	10:30	10:33	3 1/2
		12'0" D	Refusal	-see	profile		FAIL
2/21/02	650	6 1/2' / 13 1/2'	1:51 2:13:45	2:02 2:21	1/2"	1/2"	FAIL
	651A	6 / 13 1/2'	1:57:30	1:57:45	1:57:45	1:58:10	25 sec OK
			2:01:20	2:03:50	2:03:50	2:07:00	3f
	654 S	6 1/2' / 13 1/2'	2:36:45 3:09:25	2:37:25 3:18	2:37:25 3:18	2:42 3:36	5 18 OK
	653 S	7 / 13 1/2'	2:51	2:58	2:58	3:12	14 OK
	652 S	5 1/2' / 13 1/2'	3:18:50 3:36:30	3:22 3:34	3:22 3:40	3:27 3:45	5 5 OK
	655 S	6 1/2' / 13 1/2'	3:43:30	3:45:15	3:45	3:48	3 OK
	650 S	3	4:00	4:10	PULLED DUE TO LATE TIME		20 min EST OK

REMARKS \_\_\_\_\_ DUE TO DROUGHT CONDITIONS, APPROVABLE HOLES MUST HAVE 8 FEET FROM OBSERVED  
 TYPE OF SOIL \_\_\_\_\_ GROUNDWATER TO BOTTOM OF PROPOSED SEPTIC SYSTEM  
 TESTED BY IVE ALSO PRESENT M. Johnson & crew Owners  
 TRENCH DESIGN DATA \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SO. FT./BEDROOM \_\_\_\_\_

COUNTY #

SOIL PROFILE

SOIL PROFILE

0' Topsoil  
rd brn  
CL  
Lm

7' org brn  
Lt Brn  
lt beige  
Lm and  
sa 1m  
Rock Frag  
<5%

13' Bottom

Topsoil  
rd brn  
CL Lm

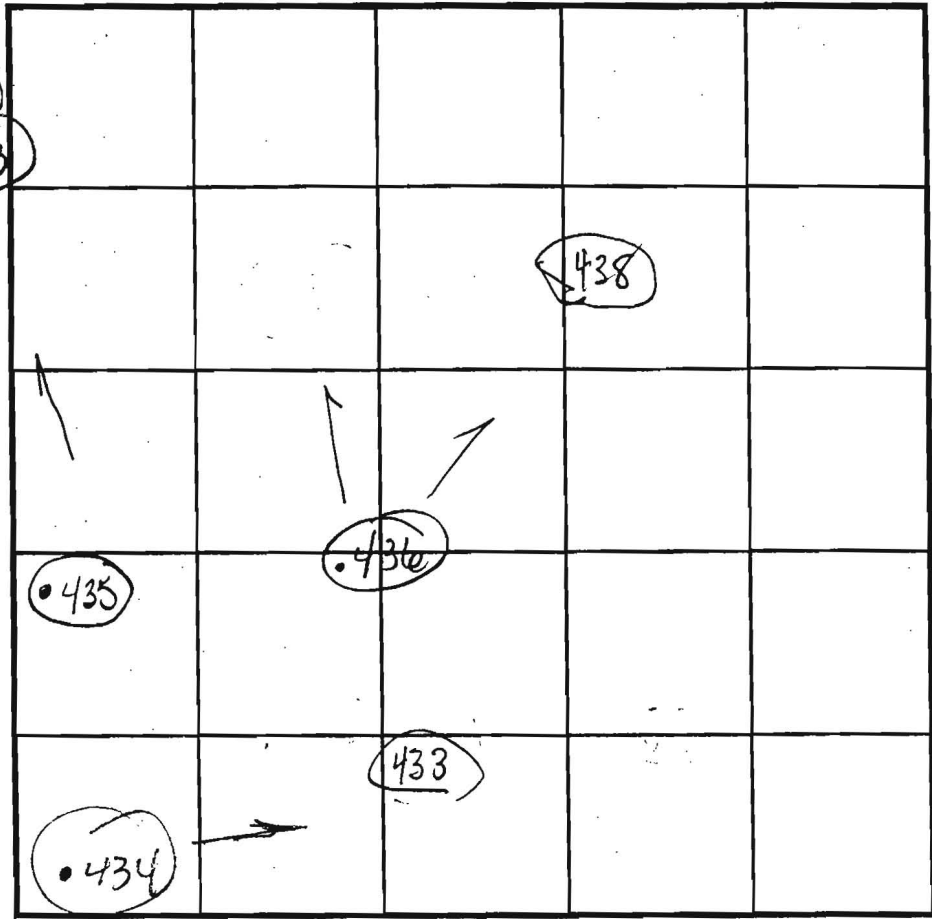
5'4" lt brn  
lt beige  
SA Lm

13' Bottom

Topsoil  
RD  
RDBrn  
Brn  
CL Lm

7-8' org brn  
tan  
beige  
SALm  
Rock Frag  
5-10%

13 1/2' Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
HOMewood DR.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/28	430	6'9" S	10:56	11:10	11:10	11:27	17min
		13' D	—————>				PASS
	436	6'10" S	11:11	11:17	11:17	11:34	17min
		13' D	—————>				PASS
	433	SEE SOIL PROFILE	—————>				PASS
		13 1/2' D	—————>				(17min)
	434	5'4" S	11:25	11:32	11:32	11:48	16min
		13 1/2' D	—————>				PASS
	435	7' S	3:42	3:46 <sup>45</sup>	3:46 <sup>45</sup>	4:02	16min
		13 1/2' D	—————>				PASS

REMARKS HOLES PER PLAN

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

TESTED BY Goedeking ALSO PRESENT Chuck C. Mike & crew

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

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

Route 108 447

COUNTY 446

SOIL PROFILE

430 432

deep reddish orge cl 1m

7 3/4

tan beige orge si sa 1m 5-10% frags

13 1/2

430

deep reddish orge cl 1m

5'

prg tan brn beige si sa 1m 5-10% frags

13 1/2

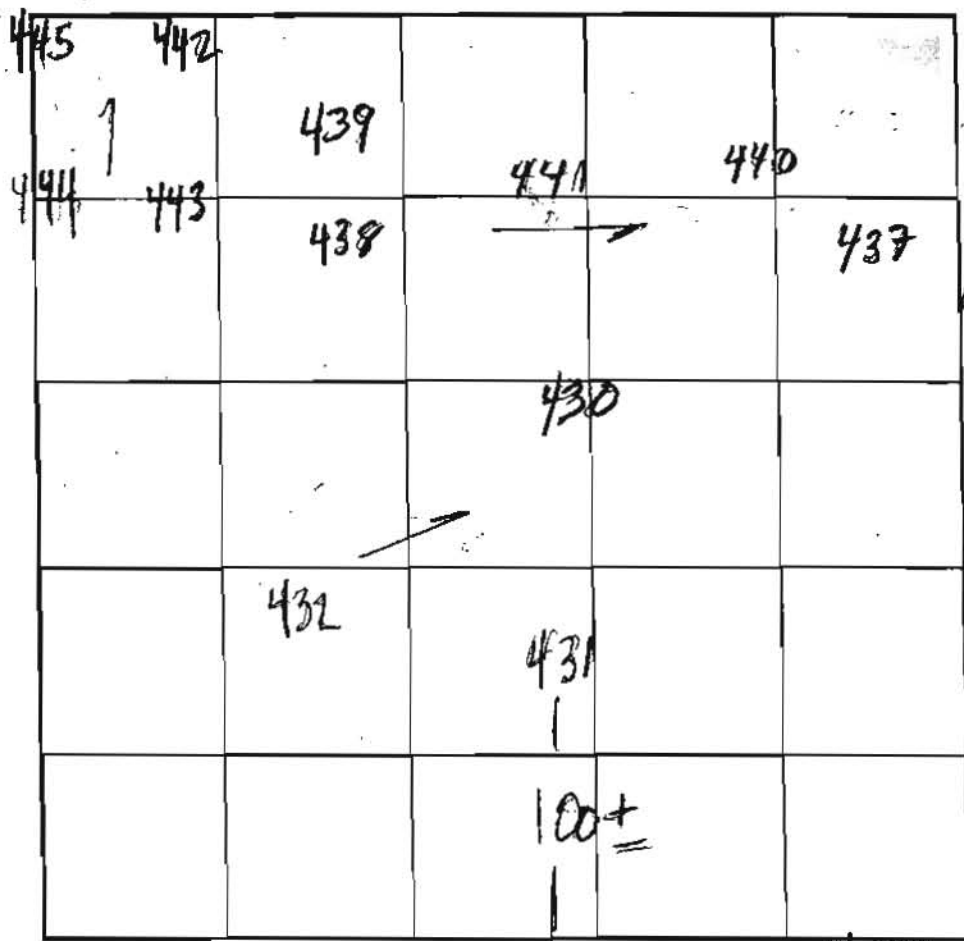
440 437

org tan sa cl 1m 5-15% frags

4-5

org tan H. brn beige sa 1m 10-15% frags

13 1/2



SOIL PROFILE

441 dark red orge si cl 1m

16 1/2

tan beige mica sa 1m

10% frags

15 1/2

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE HOMERWOOD RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
9/27/01	431	7' 4" / 12 1/2	2:44	3:00	3:00	3:26	26
	432	8' / 13 1/2	3:13	3:17	3:17	3:26	9
9/28/01	430	5' 1/2 / 13 1/2	10:55	10:58	10:58	11:05	7
	437	5' 3" / 14	11:14	11:19	11:19	11:27	8
	440	5' 1/2 / 13 1/2	11:17	11:19	11:19	11:22	3
	441	7' / 13 1/2	12:28	12:43	12:43	1:17	34
	439	5' / 13	12:01	12:04	12:04	12:18	14
	442	5' 3" / 12 1/2	2:16	2:19	2:19	2:26	7
	445	6' 3" / 13 1/2	2:20	2:28	2:28	2:40	12
	446	5' 1/2 / 6' 1/2 / 13	2:31 / 3:32	2:47 / 3:36	2:47 / 3:36	SLOW 3:58	22
	447	5' 9" / 13	2:37	2:47	2:47	2:59	12

REMARKS

ALL HOLES PER PLAN

TESTED BY Mark Rifkin

ALSO PRESENT Chuck Crovo Mike Jacrew

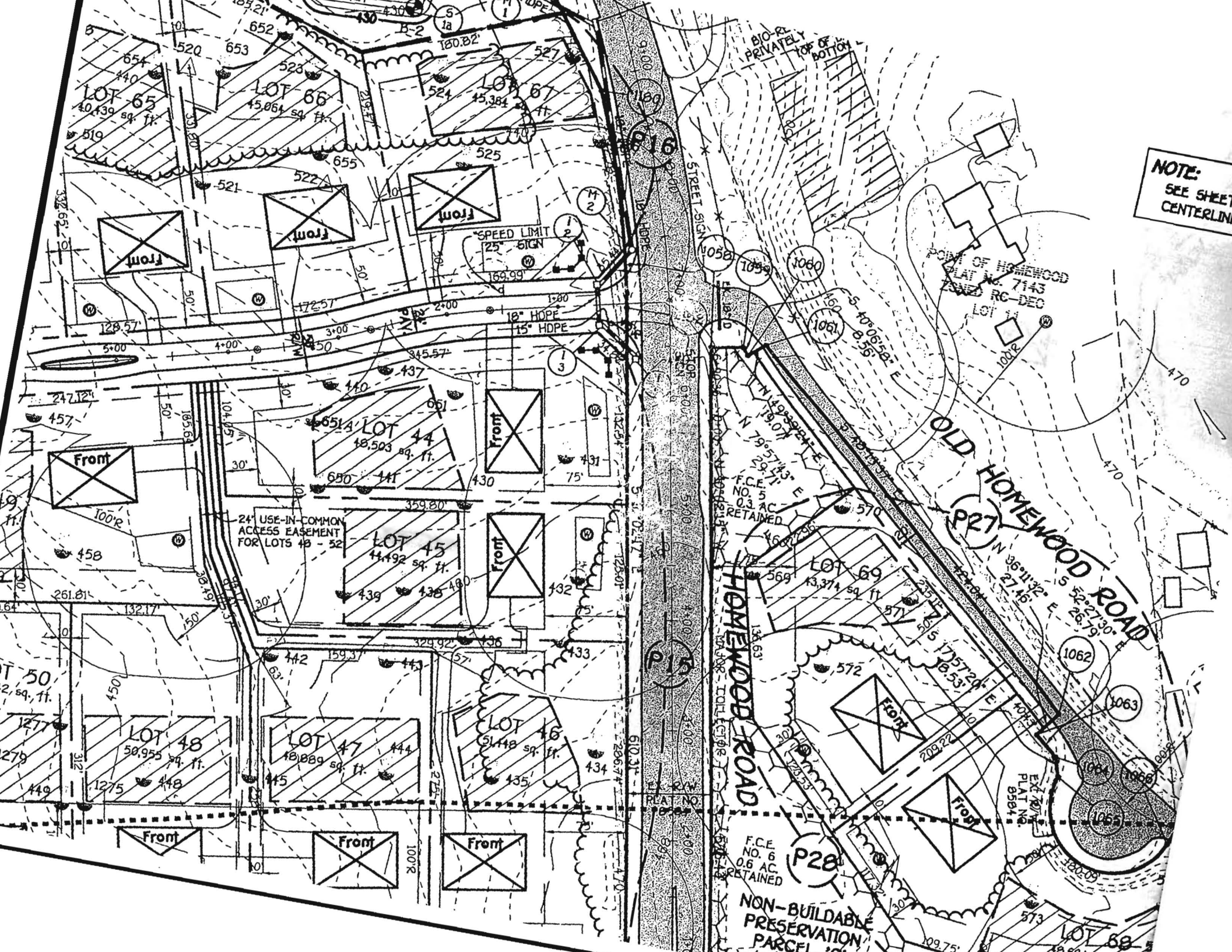
TRENCH DESIGN DATA, AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SO FT/BEDROOM



**NOTE:**  
SEE SHEET  
CENTERLINE

F.C.E.  
NO. 6  
0.6 AC.  
RETAINED

NON-BUILDABLE  
PRESERVATION  
PARCEL

OLD  
HOMWOOD ROAD  
(P27)

HOMWOOD ROAD

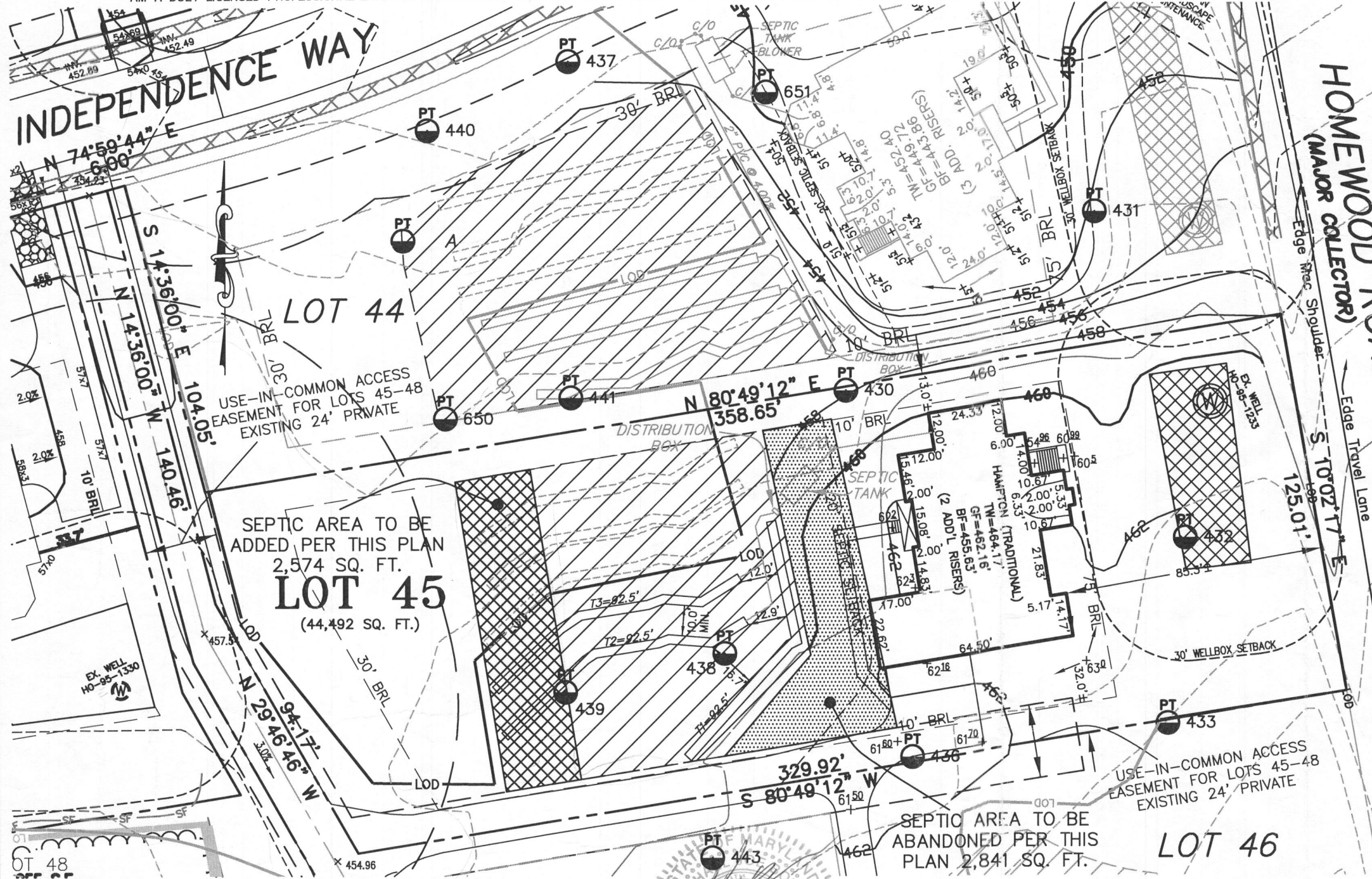
EX 70' PLAT NO. 8584

POINT OF HOMEWOOD  
PLAT NO. 7143  
SAND RC-DEC

SPEED LIMIT  
25 SIGN

BIO-R...  
PRIVATELY  
TOP OF  
BOTTOM

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. 18243.
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 5/10/11.
4. TOTAL LIMIT OF DISTURBANCE: 32,837 SQ. FT. / 0.75 AC.±
5. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY PREVIOUSLY APPROVED PLAN F-05-069.
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. CHANGES TO SEPTIC AREA WERE MADE PER "PERCOLATION CERTIFICATION REVISION PLAN" DATED 04/24/2015 AND IS CURRENTLY UNDER REVIEW.
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-05-069.
11. A STANDARD SEDIMENT CONTROL PLAN MAY BE USED FOR DEVELOPMENT OF THIS LOT. REFERENCE GRADING PLAN GP-14-034 DATED 10/30/13.
12. THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-1233 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. NO CULVERT FOR DRIVEWAY PER F-05-069.
15. SOIL TYPE FOR THIS LOT IS GgB, 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 PLAT, ADJUSTMENT HAD TO BE MADE FOR BUILDING AND SEPTIC PURPOSES. ADJUSTMENT SHOWN HEREON TO SEPTIC RESERVE AREA MEETS THE 10,000 SQUARE FOOT MINIMUM.

- LEGEND:**
- PERC TEST LOCATION
  - WELL LOCATION
  - LOD- LIMITS OF DISTURBANCE
  - TW TOP OF WALL
  - GF GARAGE FLOOR
  - BF BASEMENT FLOOR
  - BRL BUILDING RESTRICTION LINE

**SEPTIC CALCULATIONS:**

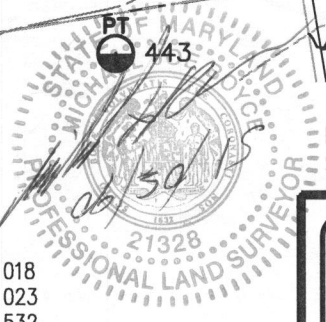
INV. @ HOUSE	458.2'
GROUND @ INV. @ HOUSE	460.5'
INV. IN TANK	457.3'
INV. OUT TANK	457.0'
TOP OF TANK	458.0'
GROUND OVER TANK	459.0'
INV. IN DIST. BOX	456.9'
INV. OUT DIST. BOX	456.6'
GROUND @ BOX	458.9'

WELL NO: HO-95-1233  
 ADDRESS: 11207 INDEPENDENCE WAY  
 ELLICOTT CITY, MD 21042

HOUSE TYPE: HAMPTON (TRADITIONAL)  
 DAYLIGHT BASEMENT OPTION No. 018  
 EXPANDED FAMILY ROOM OPTION No. 023  
 PALLADIAN KITCHEN OPTION No. 532  
 12' CONSERVATORY ADDITION OPTION No. 263021

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

*for Michael J. Davis 3/16/15*  
 COUNTY HEALTH OFFICER DATE



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

PERCOLATION CERTIFICATION REVISION  
 LOT 45  
**HOMWOOD CROSSING**  
 LIBER 9808, FOLIO 204  
 PLAT No. 1824318245  
 TAX No. 05-443075  
 FIFTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 ADDRESS: 11207 INDEPENDENCE WAY  
 ELLICOTT CITY, 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: 06/30/15      SCALE: 1"=40'      FILE: PERC CERT REV LOT 45  
 CHK'D: M.J.B.      JOB NO: 1214      DRAWN: R.C.K