

HOMERWOOD RD.

COUNTY #

SOIL PROFILE

541

Topsoil

org brn
CL LM

1'

5-5 1/2'

tan, org brn
brn
LM

Rock Frag <5%

14'

Bottom

540

Topsoil

RD, Brn
Hvy
CL LM

1'

6 1/2-7'

tan
brn

SA LM

Rock Frag
15-20%

13 1/2'

Bottom

539

Topsoil

org br
CL LM

1'

5 1/2'

Hvy
LM org brn

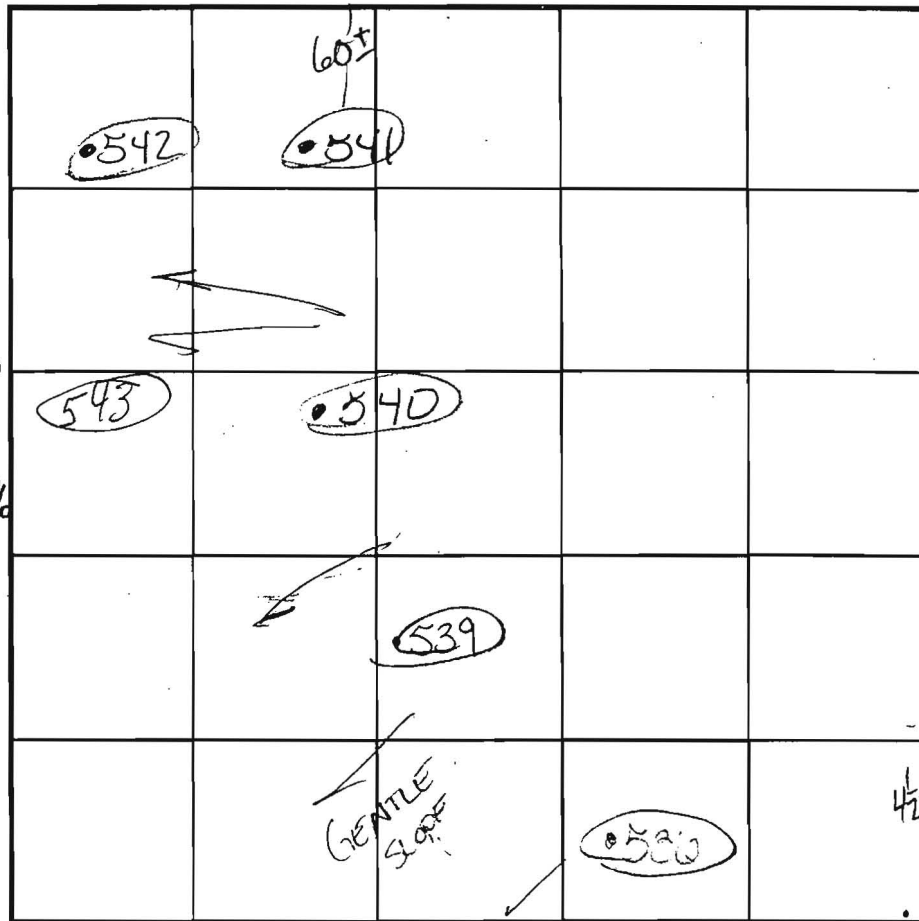
6'

brn
tan
org brn
Micaceous
SA LM

Rock 510%

14'

Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

536 / 537

Topsoil

Hvy org brn
Loam

3-4'

Micaceous
SA LM

org brn
tan
H beige

Rock Frag
5-10%

Bottom

13 1/2'

543 / 542

org brn
tan cl lm

1'

lt. brn beige
sa lm
<5% LX

4 1/2-5'

14'

Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/27	541	5 1/2' / 14	11:11 ³⁰	11:16	11:16	11:25	9 min
	542	6' 4" / 14	4:04	4:05	4:05	4:07	2
	540	6' 2" S	11:20	> 30 min for 1" drop			
		8' S	3:36 ⁰⁰	3:39 ⁴⁰	3:37 ⁴⁰	3:39 ¹⁰	1 1/2 min
		13 1/2' D					
	539	6 1/2' S	11:29	11:34	11:34	11:40	10 min
		14 1/2" D					PASS
	536	5' S	11:49 ⁰⁰	11:53	11:53	11:57	8 min
		13 1/2' D					PASS
	537	5' 3" S	11:59	12:00 ³⁰	12:00 ³⁰	12:04 ³⁰	4 min
	543	6' / 14	2:02	2:04	2:04	2:08	4 min

REMARKS HOLES PER PLAN

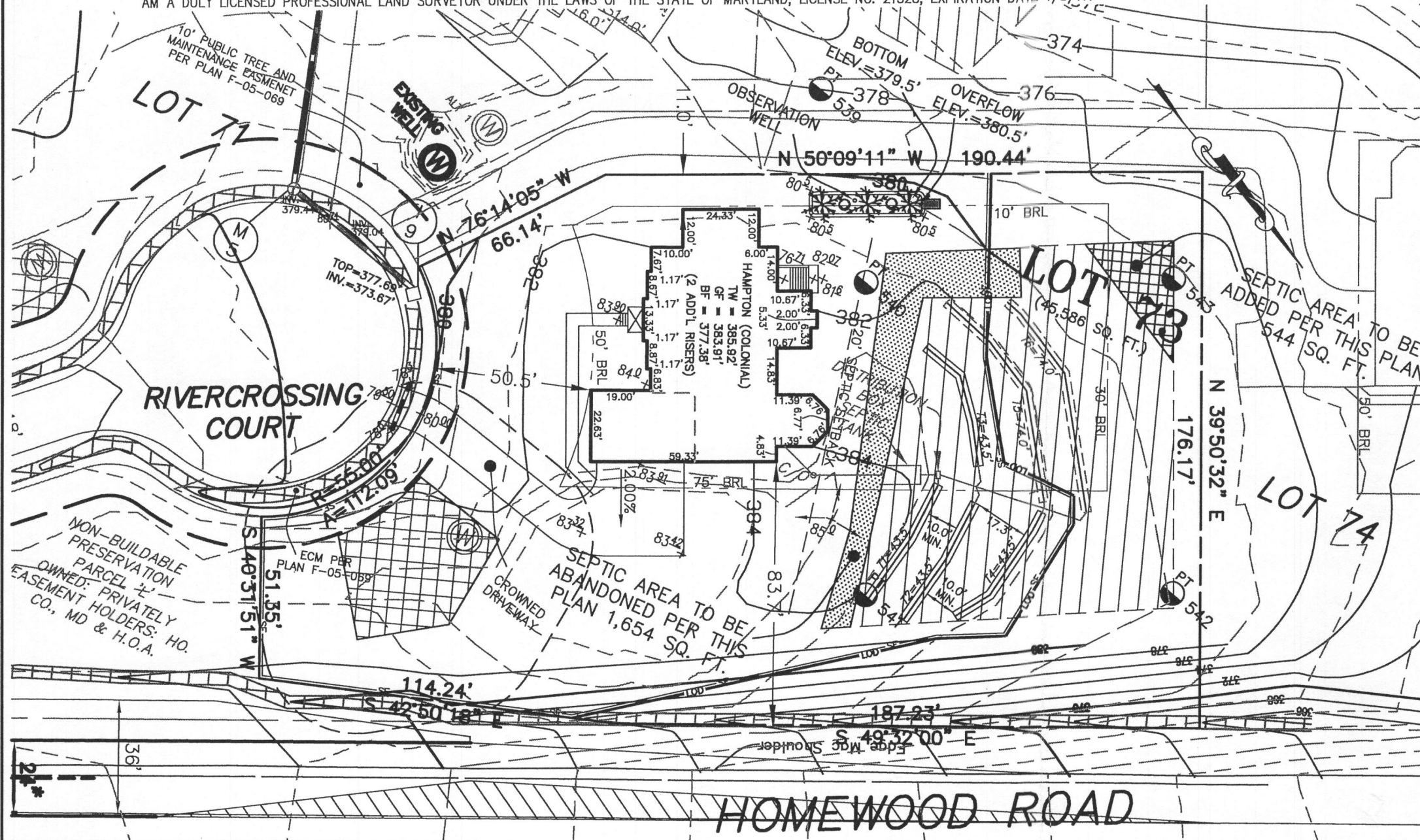
TYPE OF SOIL

TESTED BY Goedeking ALSO PRESENT Chuck Crovo
Mike St Crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT/BEDROOM

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: 32,513 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 07/08/2015 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-95-2465 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. CULVERT FOR DRIVEWAY PER F-05-069.
15. SOIL TYPE FOR THIS LOT IS GGB, HYDROLIC 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 TO ALLOW BUILDING TO FIT. ADJUSTMENT SHOWN HEREON TO SEPTIC RESERVE AREA MEETS THE 10,000 SQUARE FOOT MINIMUM.

LEGEND:

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

HOUSE TYPE: HAMPTON (COLONIAL)
DAYLIGHT BASEMENT
EXPANDED FAMILY ROOM/GREAT ROOM
NAPLES SUNROOM ADDITION
12' WIDE CONSERVATORY ELITE ADDITION

OPTION No. 018
OPTION No. 023
OPTION No. 529
OPTION No. 263023

WELL NUMBER: HO-95-2465

ADDRESS: 4804 RIVERCROSSING COURT
ELLICOTT CITY, MD 21042

SEPTIC CALCULATIONS:

INV. @ HOUSE	381.4'
GROUND @ INV. @ HOUSE	384.2'
INV. IN TANK	380.3'
INV. OUT TANK	380.0'
TOP OF TANK	381.0'
GROUND OVER TANK	384.0'
INV. IN DIST. BOX	379.9'
INV. OUT DIST. BOX	379.6'
GROUND @ BOX	383.5'

APPROVED FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

Approved for Maureen Rossman 7/27/15
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 73

HOMECROSSING

LIBER 9808, FOLIO 204
PLAT No. 18243
TAX No. 05-443385
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
ADDRESS: 4804 RIVERCROSSING COURT
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: 07/16/15
CHK'D: M.J.B.

SCALE: 1"=40'
JOB NO: 1214

FILE: PERC CERT REV LOT 73_rev1
DRAWN: R.C.K.

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, July 16, 2015 9:48 AM
To: ~~mlhogan@hogan.com~~
Subject: Homewood Crossing Lot 73_Perc Cert Rev

Mr. Boyce:

Upon review of the revised percolation certification plan, a small section of the SDA still remains within 25 feet of the rain garden. You can expand the SDA toward hole 543 to make up area.

Please revise the plan accordingly and submit for review. Should you have any questions, please don't hesitate to ask.

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
~~410-310-1700~~