

# APPLICATION

PERCOLATION TESTING

A 50619

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

DISTRICT \_\_\_\_\_

DATE 9-29-95

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 WAYNE NEWSOME

ADDRESS P.O. BOX 39, COLUMBIA, MD 21045 PHONE (410) 792-2100

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

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

PROPERTY LOCATION:

SUBDIVISION HOLLY HILLS ESTATES LOT NO. 4 <sup>ORIGINAL</sup> NEW LOT 18

ROAD AND DESCRIPTION PROPERTY HAS APPROX. 75' OF FRONTAGE ON BURNWOODS ROAD - 21 LOT (17 NEWSFD'S) SUBDIVISION EXTENSION OF SANG ROAD

TAX MAP 14 PARCEL # 92

SIZE OF LOT LOT 8; 40,093 SQ FT TYPE BLDG. SFD  
(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.

Stephanie Demchik  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

OLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

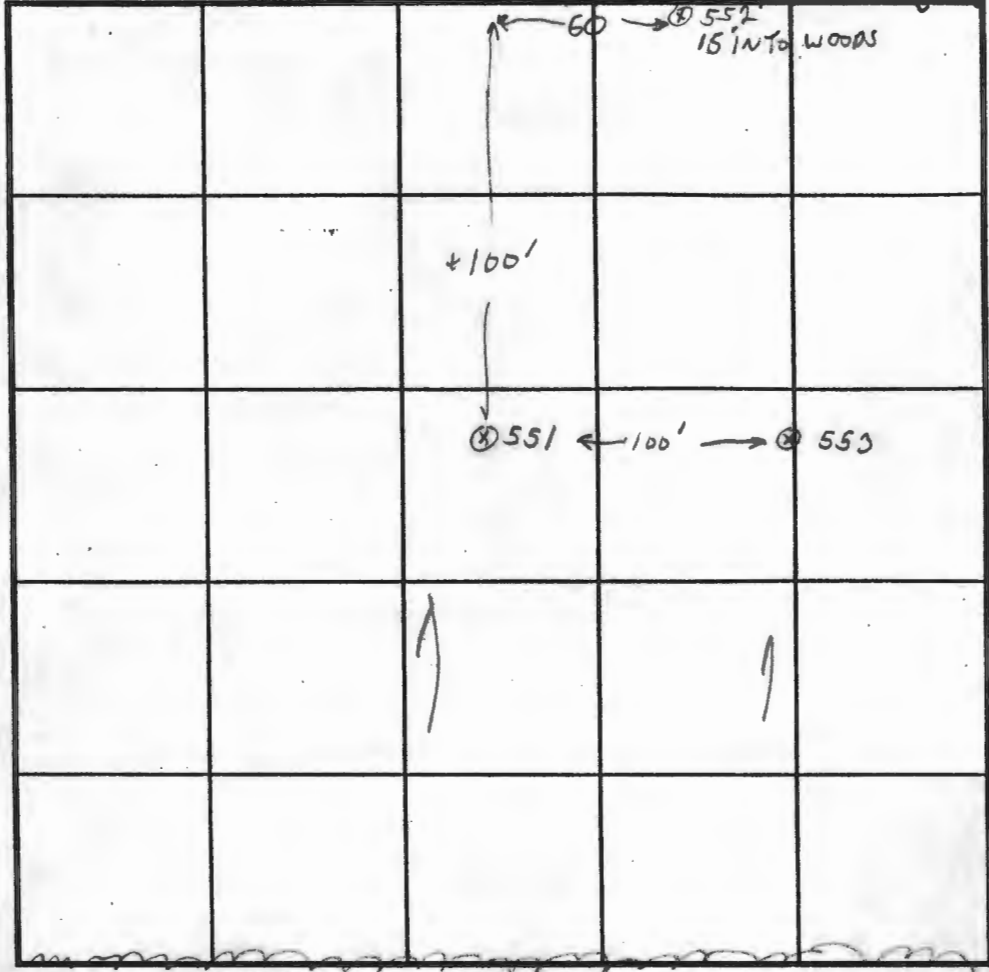
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

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

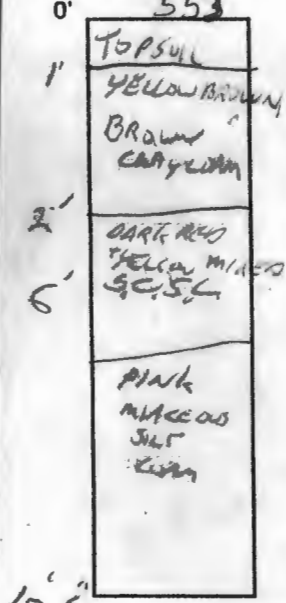
## THIS IS NOT A PERMIT

50619-K  
COUNTY #

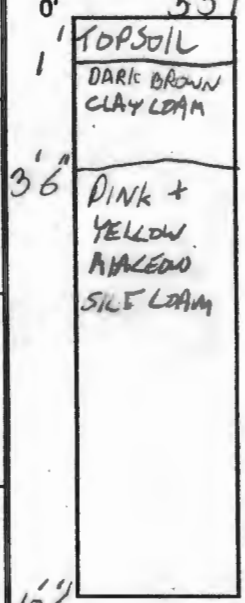
WOODS



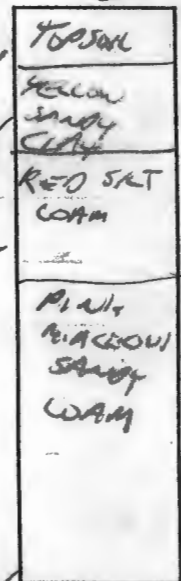
SOIL PROFILE 553



SOIL PROFILE 55



552



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-29-95	ok to 10'6" 551	4'3"	10:55	11:25	FAIL TOO SLOW		
		7' OK	10:56	10:59	10:59	11:04	5 MIN
		4'9"	11:12	STOP - 1/4 inch	11:12	11:12	14 MIN - TOO SLOW
		5'4"	11:49	11:54	11:54	12:06	12 MIN
	ok to 10'6" 553	5'	11:59	NO MOVEMENT FAIL			
		7'6"	11:58	11:59	11:59	12:02	3 MIN
		5'4"	12:16	12:24	12:24	12:52	28 MIN
	ok to 10'6" 552	6'	12:20	12:22	12:22	12:30	8 MIN

REMARKS LOT 18, 553 WILL HAVE 3-5 MINUTE TIMES AT 6'

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

TESTED BY GLEN SPACE ALSO PRESENT WILL HOPEFULLY TRAVEL

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

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

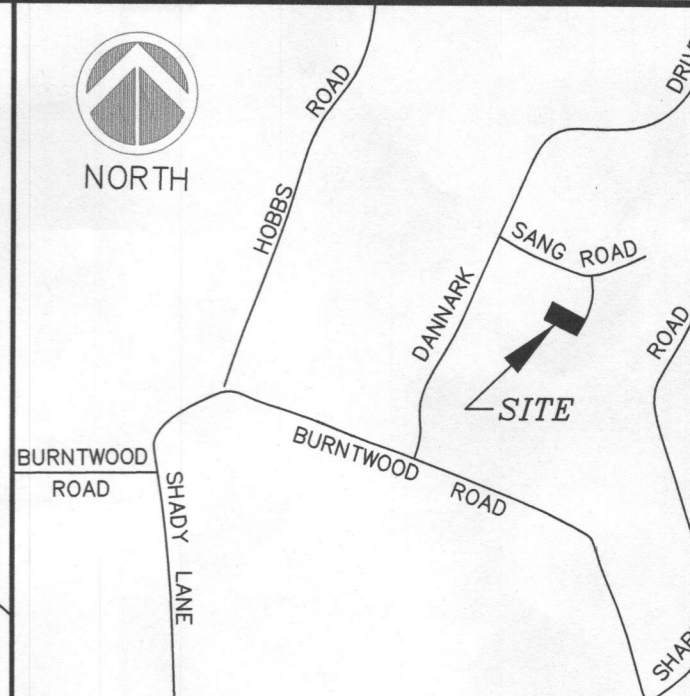


165.3 gal

**MISS-UTILITY NOTE:**  
 1. CONTACT MISS-UTILITY 72 HOURS BEFORE ANY TRENCHING,  
 (800) 257 - 7777.

**GENERAL NOTES**

1. ZONING: RR-DEO
2. PROPOSED SEWER - PRIVATE; PROPOSED WATER - PRIVATE.
3. THE PLAN IS BASED ON A FIELD RUN BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY NJR & ASSOCIATES IN JANUARY OF 2018.
4. THERE IS NO FLOODPLAIN ON SITE.
5. THERE ARE NO WETLANDS, STREAMS AND THEIR BUFFERS ON SITE.
6. THERE ARE NO CRITICAL HABITATS OF RARE, THREATENED OR ENDANGERED SPECIES ON SITE.
7. TOTAL AREA WITHIN LOD = 21,990 SQ.FT.
8. WATERSHED = MIDDLE PATUXENT
9. THE CONTRACTOR SHALL NOTIFY MISS-UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
10. CONTRACTOR TO MAINTAIN POSITIVE SLOPE AWAY FROM THE FOUNDATION OF THE HOUSE.



**LEGEND**

- EX. WELL
- ⊕ EX. ELECTRIC TRANSFORMER
- ⊕ EX. CABLE TELEVISION PEDESTAL
- ⊕ EX. VERIZON PANEL
- ⊕ EX. EVERGREEN TREE
- ⊕ EX. DECIDUOUS TREE
- ⊕ PROP. SPOT ELEVATION
- ⊕ EX. PASSING PERCOLATION TEST
- 618 --- EX. CONTOUR
- 538 --- PROP. CONTOUR
- ~ ~ ~ EX. EDGE WOODED AREA
- ~ ~ ~ PROP. EDGE WOODED AREA
- SSF --- PROP. SUPER SILT FENCE
- SF --- PROP. SILT FENCE
- LOD --- PROP. LIMIT OF DISTURBANCE
- DD --- PROP. DRAINAGE DIVIDE
- ⊗ EX. TREE TO BE REMOVED
- ▨ EX. PRIVATE USE-IN-COMMON EASEMENT
- ▨ EX. FOREST CONSERVATION EASEMENT
- ▨ PROP. PERMEABLE CONCRETE PAVEMENT
- ▨ PROP. REVISED SEPTIC RESERVE AREA
- ▨ EXISTING NEIGHBORING SEPTIC RESERVE AREA

**SEPTIC SYSTEM CALCULATIONS:**

ABSORPTION RATE FOR SITE=0.8  
 DRAINFIELD AREA: 4 BEDROOMS AT 600 gpd / 0.8 (ABSORPTION RATE)=750 SQ. FT.  
 LENGTH OF TRENCHES: 750 SQ. FT. = 375 LINEAR FEET

5 TRENCHES OF 75 FEET IN LENGTH, 6 FOOT SPACED ARE PROPOSED FOR THE INITIAL AND THE FIRST REPLACEMENT SYSTEM. 4 TRENCHES OF 94 FEET IN LENGTH AND 6 FOOT SPACED ARE PROPOSED FOR THE SECOND REPLACEMENT SYSTEM.

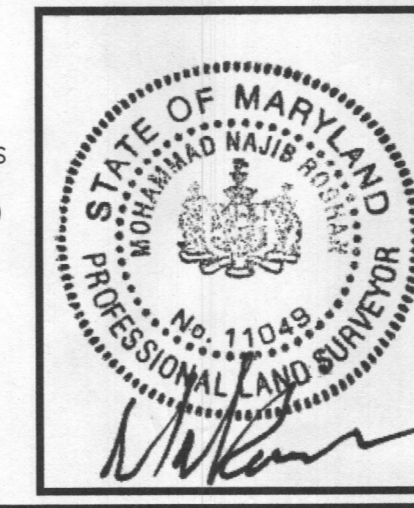
TRENCH	TRENCH LENGTH	INV. INTO TRENCH	BOTTOM OF TRENCH
1	75'	608.3	605.8
2	75'	608.1	605.6
3	75'	607.7	605.2
4	75'	607.2	604.7
5	75'	606.7	604.2

**NOTES:**

1. ALL WELLS TO BE DRILLED PRIOR TO THE BUILDING PERMIT RELEASE.
2. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
3. PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN SCALED FROM THE EXISTING FILES ON RECORDS.
4. ALL EXISTING SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' UP GRADIENT OF ANY WELL LOCATION ON THIS SITE HAVE BEEN SHOWN ON THIS PLAN.
5. THE EXISTING WELLS SHOWN HEREON HAVE BEEN FIELD LOCATED AND ACCURATELY SHOWN ON THIS PLAN.
6. ANY CHANGE TO PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
7. THIS PLAN IS BASED ON A FIELD RUN BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY THE UNDERSIGNED ON JANUARY OF 2018.
8. THIS SURVEY IS TIED TO MARYLAND STATE PLANE NAD 83/91 COORDINATE SYSTEM.
9. ALL RAIN GARDENS WITHIN 100' OF THE WELL BOX MUST HAVE AN IMPERMEABLE LINER.
10. ALL DRAIN PIPES FROM THE RAIN GARDENS MUST BE DIRECTED OUTSIDE THE SEPTIC AND WELL RESERVE AREAS.
11. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF A MINIMUM OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE 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 OF PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

**DEVELOPER**  
 CARUSO HOMES  
 2120 BALDWIN AVENUE,  
 Site 200  
 CROFTON, MD 21144  
 (301) 261-0277

**OWNER**  
 STEPHEN & GIULIA SKORSKI  
 7302 SHADY GLEN DRIVE  
 COLUMBIA, MD 21046  
 (443) 221-3205



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE # 11049, EXPIRATION DATE: 2/10/2019.

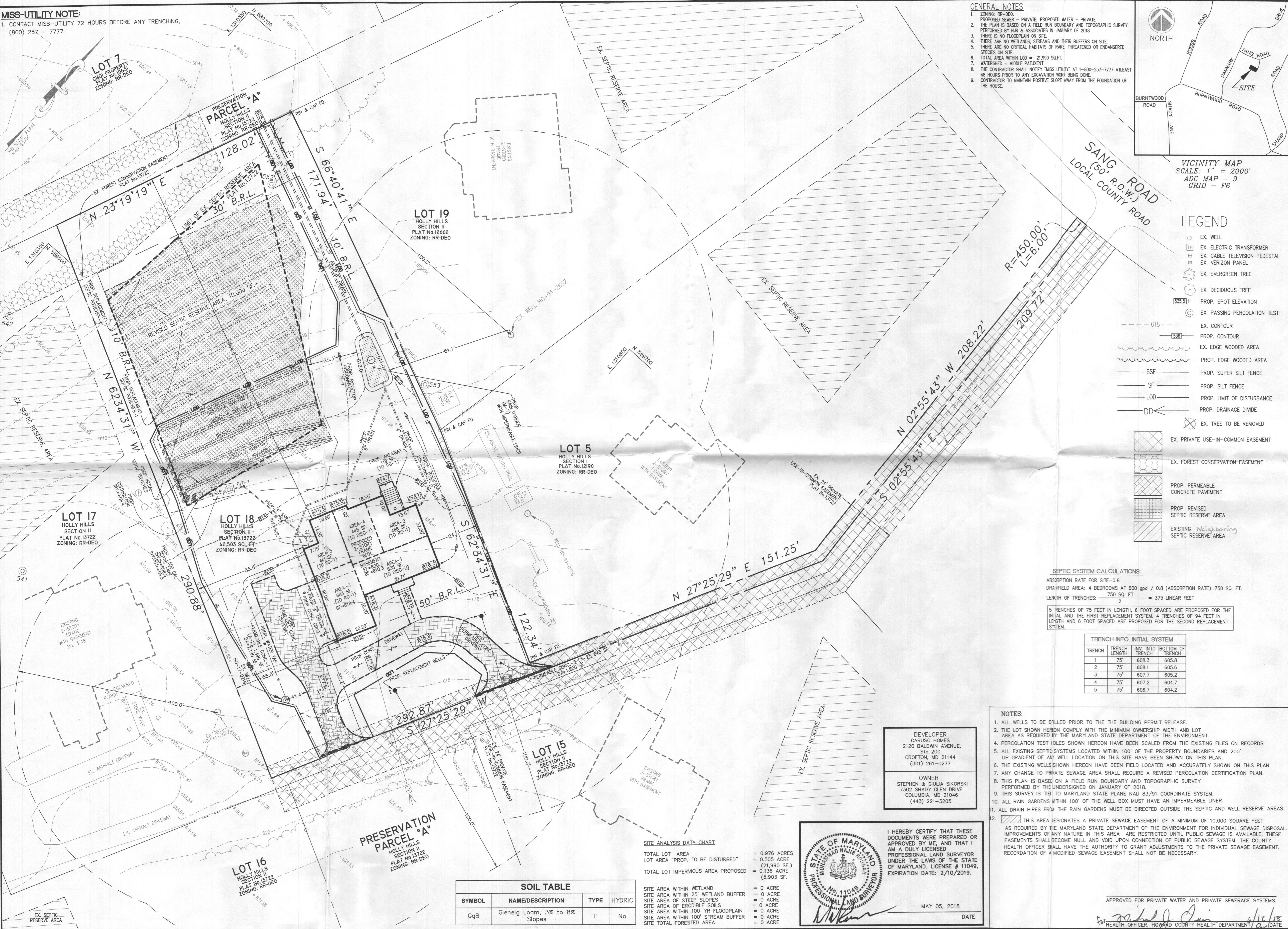
DATE: MAY 05, 2018

**SITE ANALYSIS DATA CHART**

- TOTAL LOT AREA = 0.976 ACRES
- TOTAL LOT AREA "PROP. TO BE DISTURBED" = 0.505 ACRE (21,990 SF.)
- TOTAL LOT IMPERVIOUS AREA PROPOSED = 0.136 ACRE (5,903 SF.)
- SITE AREA WITHIN WETLAND = 0 ACRE
- SITE AREA WITHIN 25' WETLAND BUFFER = 0 ACRE
- SITE AREA OF STEEP SLOPES = 0 ACRE
- SITE AREA OF ERODIBLE SOILS = 0 ACRE
- SITE AREA WITHIN 100-YR FLOODPLAIN = 0 ACRE
- SITE AREA WITHIN 100' STREAM BUFFER = 0 ACRE
- SITE TOTAL FORESTED AREA = 0 ACRE

SOIL TABLE			
SYMBOL	NAME/DESCRIPTION	TYPE	HYDRIC
GgB	Glenelg Loam, 3% to 8% Slopes	B	No

**PRESERVATION PARCEL "A"**  
 HOLLY HILLS SECTION II  
 PLAT No. 13722  
 ZONING: RR-DEO



HOLLY HILLS, SECTION 2  
**LOT 18**  
 PLAT No. 13722  
 3314 S. SANG ROAD, GLENELG  
 TAX MAP 14, GRID 24, PARCEL 92  
 HOWARD COUNTY, MARYLAND  
 4TH ELECTION DISTRICT

PLAN PREPARED BY:  
**NJR & ASSOCIATES**  
 Land Surveying and Planning  
 2770 STATE ROUTE 32  
 WEST FRIENDSHIP, MD 21794  
 TEL: (240) 606-0600

REVISIONS

GRAPHIC SCALE 1"=20'  
 10' 0' 20'

DATE: DEC. 5, 2017  
 JOB NUMBER: 2442  
 FILE NUMBER: 2442-SITE  
 PLOTTED: MAY 5, 2018  
 DRAWN BY: NR  
**PERCOLATION CERTIFICATION PLAN**  
 SHEET 1 OF 1

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.  
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT