

APPLICATION

PERCOLATION TESTING

A 515955

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 7/25/01

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 12118 Frederick Rd. LLC (public water)

ADDRESS 12118 Frederick Rd. PHONE 410-730-1074

AGENT OR PROSPECTIVE BUYER Northridge Development LLC - Cindy DelZoppo

ADDRESS 14045 Gared Drive Glenwood, MD PHONE 410-730-1074

PROPERTY LOCATION:

SUBDIVISION 12118 Frederick Rd. LOT NO. Preservation Parcel A

ROAD AND DESCRIPTION North^{side}ridge of Frederick Rd, west of Sand Hill

TAX MAP 16 PARCEL # 23

SIZE OF LOT 4.0 ± Ac 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. Cindy DelZoppo
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

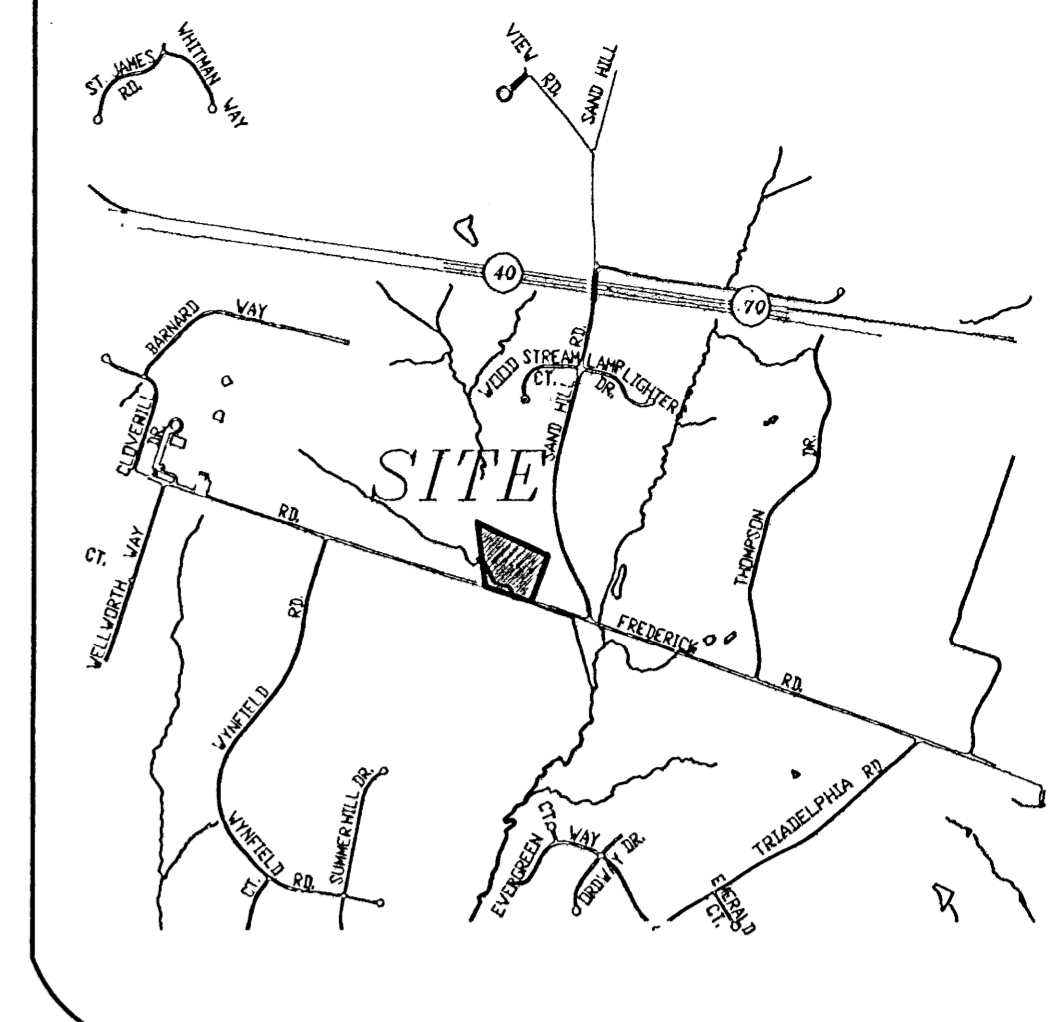
HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

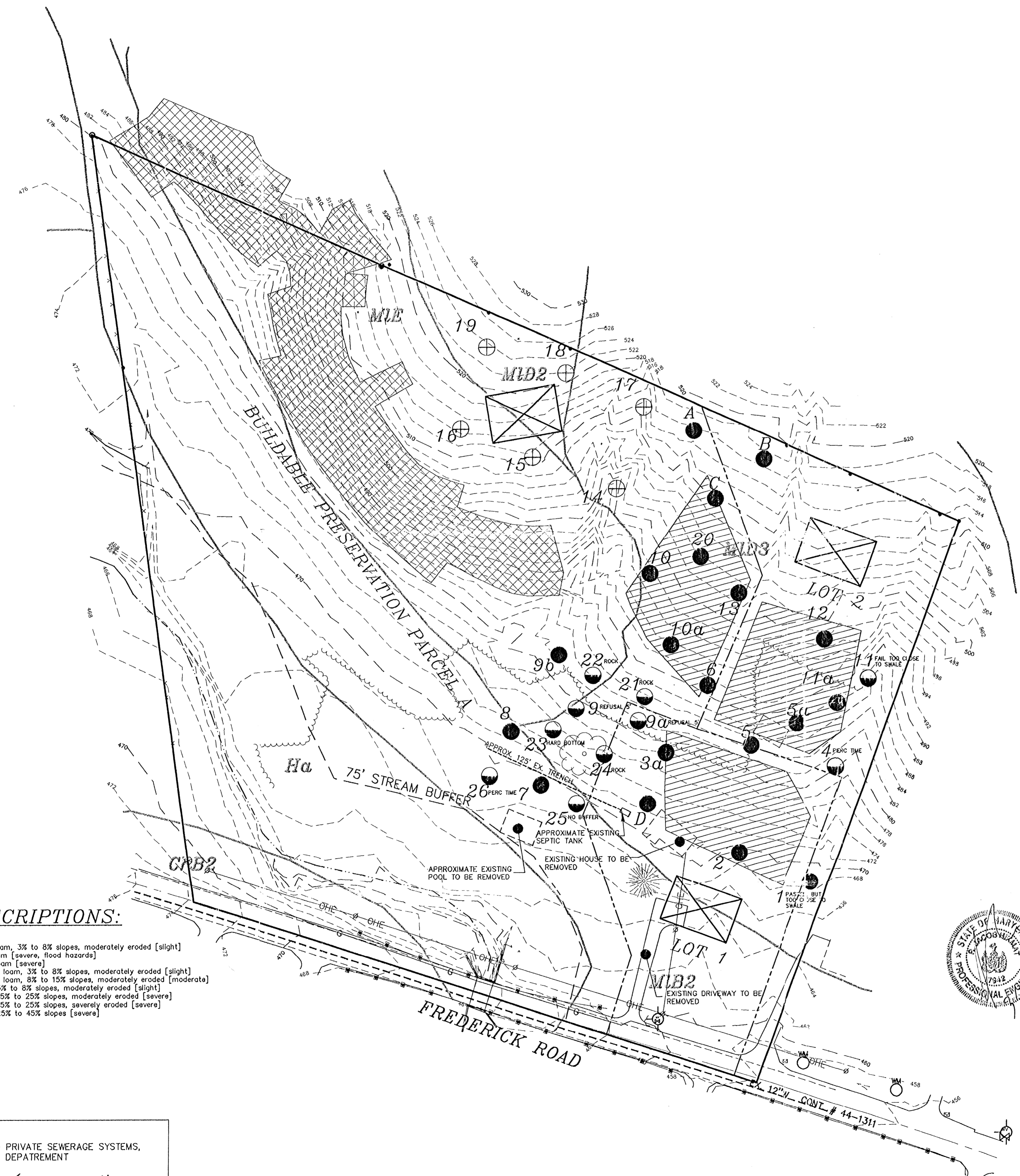
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT



VICINITY MAP
SCALE: 1"=2000'



GENERAL NOTES:

1. SUBJECT PROPERTY ZONED RC-DEO PER THE 10/18/93 COMPREHENSIVE ZONING PLAN.
2. BOUNDARY SHOWN HEREON IS BASED ON DEED INFORMATION.
3. SITE LOCATION :
TAX MAP 16, PARCEL 23
DEED REFERENCE ; 5216/0310
SITE AREA : 8.14 ACRES ±
4. ON SITE TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY CONDUCTED BY MILDENBERG, BOENDER & ASSOCIATES, INC. ON OR ABOUT FEB. 2002.
5. BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON SITE.
6. SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED 1968, SHEET 8.
7. PRIVATE SEWERAGE WILL BE UTILIZED.
8. PUBLIC WATER WILL BE UTILIZED UNDER CONTRACT # 44-1311
9. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE 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 VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT, & RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
10. ALL SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY ARE SHOWN.

SOILS DESCRIPTIONS:

SYMBOL	DESCRIPTION
ChB2	Chester silt loam, 3% to 8% slopes, moderately eroded [slight]
Cs	Comus silt loam [severe, flood hazards]
Ha	Hatboro silt loam [severe]
MgB2	Manor gravelly loam, 3% to 8% slopes, moderately eroded [slight]
MgC2	Manor gravelly loam, 8% to 15% slopes, moderately eroded [moderate]
MIB2	Manor loam, 3% to 8% slopes, moderately eroded [slight]
MID2	Manor loam, 15% to 25% slopes, moderately eroded [severe]
MID3	Manor loam, 15% to 25% slopes, severely eroded [severe]
MIE	Manor loam, 25% to 45% slopes [severe]

LEGEND

- NOT TESTED
- PASSED PERC HOLE
- FAILED PERC HOLE
- MARGINAL PERC HOLE
- WATER METER
- STEEP SLOPES GREATER THAN 25%

OWNER

12118 FREDERICK L.L.C.
12118 FREDERICK ROAD
ELLCOTT CITY, MD 21042
(410) 531-2634

APPROVED: **PUBLIC**
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
Denny Bricker M.D. P.E. 4-29-02
HOWARD COUNTY HEALTH OFFICER DATE



01-035/01-07-35-PERC-PLAT-OPTION-2

13
COUNTY #

SOIL PROFILE

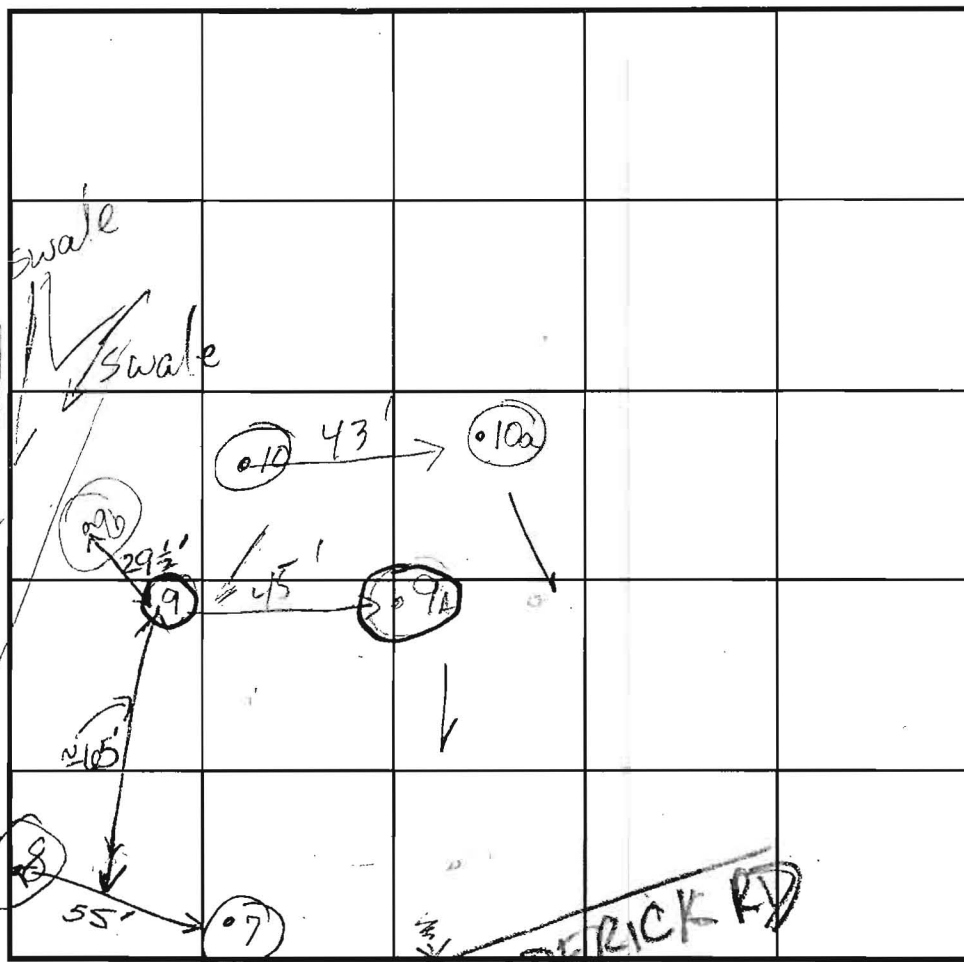
(10)
T.S.
Micaceous
Si Lm
brn
lt brn
Rock Frag
<5%
Saprolite
Bottom

(8)
T.S.

rock
belong
N SW
SIDEWALK
lt brn
Si Lm
15-25%
Big Frag
Bottom

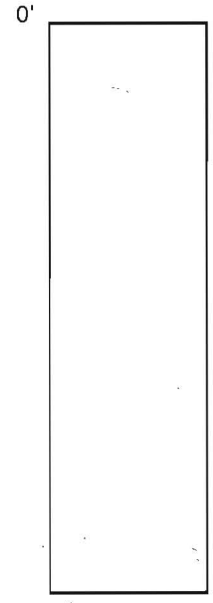
(7)
T.S.

Red brn
Micaceous
CL Lm
Rock <5%
DK brn
brn
Lean
Rock
Frag <5%



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE



9B - PASS
Visual
SEE SOIL
PROFILES
10A

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-13-01	10	4'4" B	11:31 ¹⁵	11:53 ⁰⁰	11:35 ³⁰	11:35 ³⁰	2 min
		13'10" D					→
	9	Fail/Refusal @ 5'					→
	8	5' S	1:51 ⁴⁵	2:01 ⁰⁰	2:01 ⁰⁰	2:04	3 min
		12 D					→ Pass
	7	5'8S	2:02	2:05	2:05	2:10	5 min
		12 D					→ Pass
	9A	Fail/Refusal @ 1'					→ Fail
	10A	SEE SOIL PROFILE #6					PASS
		12' D					→

REMARKS * Saprolite - micaceous, ...
 TYPE OF SOIL SAP - micaceous ...
 TESTED BY Goedeking, K ALSO PRESENT Mike Johnson
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

All HOLES BUT "9A 9B" & "10A" DUG PER PLAN.

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3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
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DISTRICT _____

DATE 7/25/01

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I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER 12118 Frederick Rd LLC <public water>

ADDRESS 12118 Frederick Rd PHONE 410-730-1074

AGENT OR PROSPECTIVE BUYER Northridge Development LLC - Cindy DelCoppo

ADDRESS 14045 Jared Drive Glenwood MD PHONE 410-730-1074

PROPERTY LOCATION:

SUBDIVISION 12118 Frederick B LOT NO. 2

ROAD AND DESCRIPTION Northside of Frederick B, west of Sand Hill

TAX MAP 16 PARCEL # 23

SIZE OF LOT 1.0e 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. Cindy DelCoppo
(SIGNATURE OF APPLICANT)

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COUNTY #

SOIL PROFILE

0'

⑬

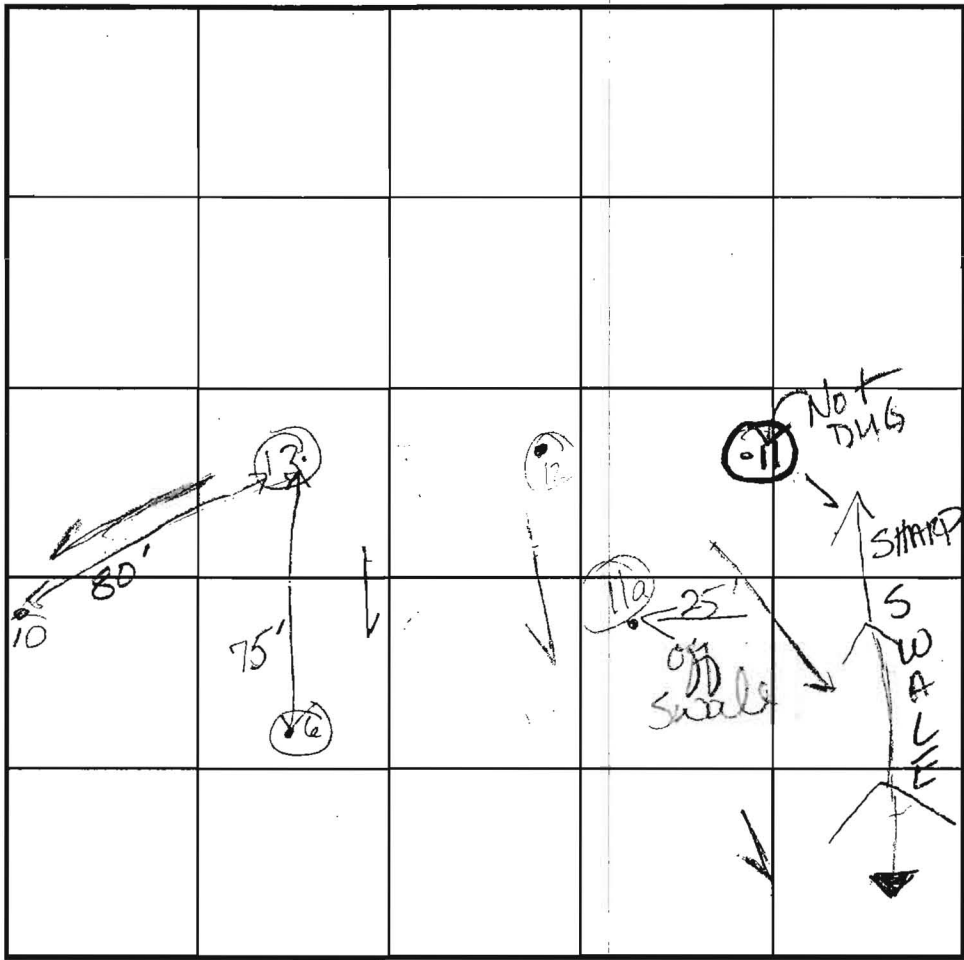
T.S.

tan
brn
Si CLM
Rock 5-10%

14 brn
d-beige
brn

Measured
Si Lm
Saprolite
Rock Frag
5%

3'



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

⑫ ⑪a

T.S.

brn 14 brn
Si CLM

Si
Lm
beige
brn
14 tan

Rock Frag
10-15%

Bottom

12'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9-13-01	13	5'S	11:15	11:21	11:21	11:32	11 min	
		13'D	—————→				PASS	
	12	4'6" S	11:41 ³⁰	11:44	11:41	11:46 ³⁰	2 ³⁰	
		12'D	—————→				PASS	
	11a	VISUAL SEE SOIL PROFILE F					→	PASS
	11	Fail - Too Close to Swale - NOT DUG						

REMARKS * Saprolite in area - very brittle granular & soil #13 25%

TYPE OF SOIL * #11 in SWALE → FAIL

TESTED BY Goedeking, K. ALSO PRESENT Mike Johnson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

ALL HOLES BUT "11a" DUG PER PLAN

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3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

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PROPERTY OWNER _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Dietz/Shifflet Property LOT NO. _____

ROAD AND DESCRIPTION 12118 Frederick Rd

TAX MAP _____ PARCEL # _____

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

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COUNTY #

SOIL PROFILE

0' 20
 T.S. 4"
 Micaceous sand beige
 Hbrm
 v.f. Micaceous structured Saprolite + Rx
 25-35%
 13' Refusal
 (A)

T.S.
 Micaceous SANDLW
 1+ tan brn beige
 15-20% Rock
 Scatter
 25%

25-30% Rock
 Refusal
 (B)

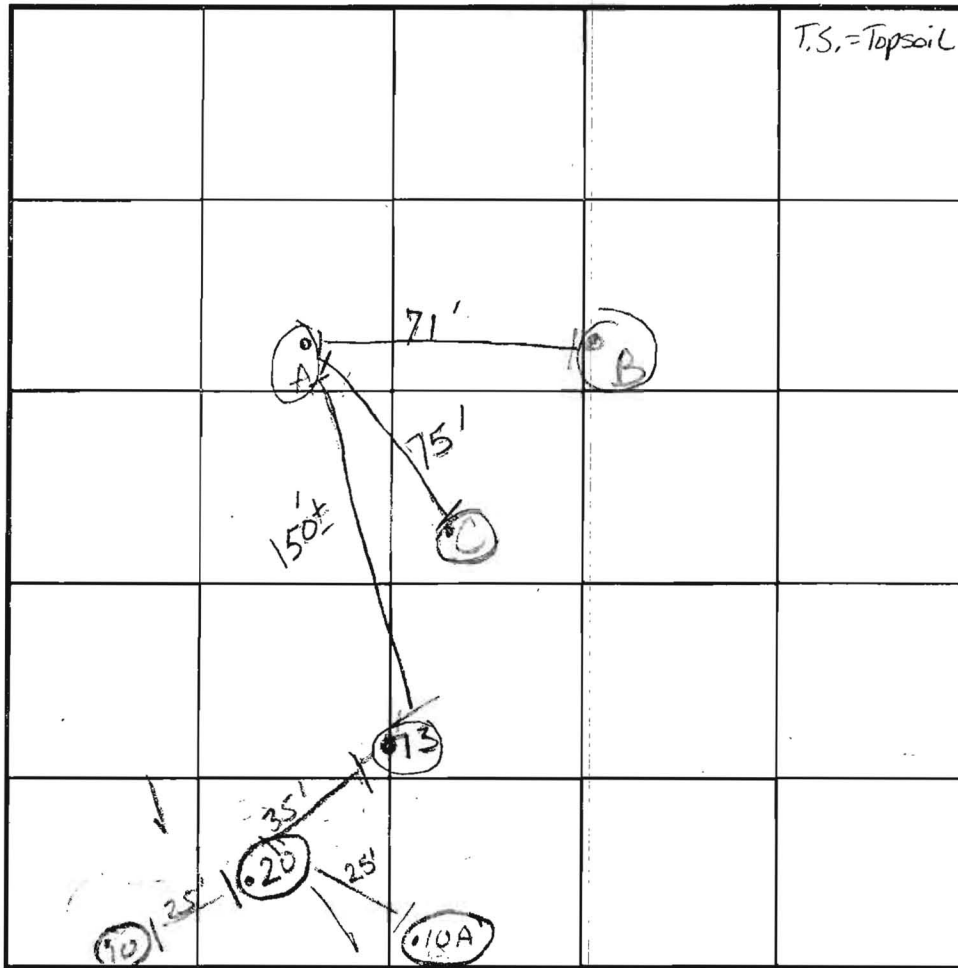
T.S.
 Hbrm
 SLm
 25-35%

11' Refusal
 11 1/2'

T.S. = Topsoil

SOIL PROFILE

0' 20
 T.S.
 Micaceous brn black stony brn SANDS
 (Weak)
 20-25% Saprolite
 10' Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-16-01	20	4 1/2' S	2:37 ²⁰	2:55	2:55	3:28	33 min
		* 13' Bottom					?
	A	4 1/2' S	3:36 ⁴⁰	3:37 ⁴⁰	3:37 ⁴⁰	3:40 ⁴⁰	27 min
		1 1/2' Refusal					OK
	B	Visual					OK
		1 1/2' Hard Bottom					
	* 20	2nd shift 7'					OK
			3:56 ¹⁵	3:58 ¹⁰	3:58 ¹⁰	4:00 ¹⁰	2 ²⁰ min
	C	Visual 10' Bottom					OK

REMARKS Holes 20, A, B, & C NOT PER PLAN

TYPE OF SOIL

TESTED BY Mark Kirkman / Karen Guderz ALSO PRESENT Cindy DelZoppo

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

APPLICATION

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PROPERTY OWNER 12118 Frederick LLC < public water >

ADDRESS 12118 Frederick Rd. PHONE 410-730-1074

AGENT OR PROSPECTIVE BUYER Northridge Development LLC - Cindy DelZoppo

ADDRESS 14045 Good Drive Glenwood MD PHONE 410-21738

PROPERTY LOCATION:

SUBDIVISION 12118 Frederick Rd. LOT NO. 1

ROAD AND DESCRIPTION Northside of Frederick Road, west of Sand Hill

TAX MAP 16 PARCEL # 23

SIZE OF LOT 1 ac TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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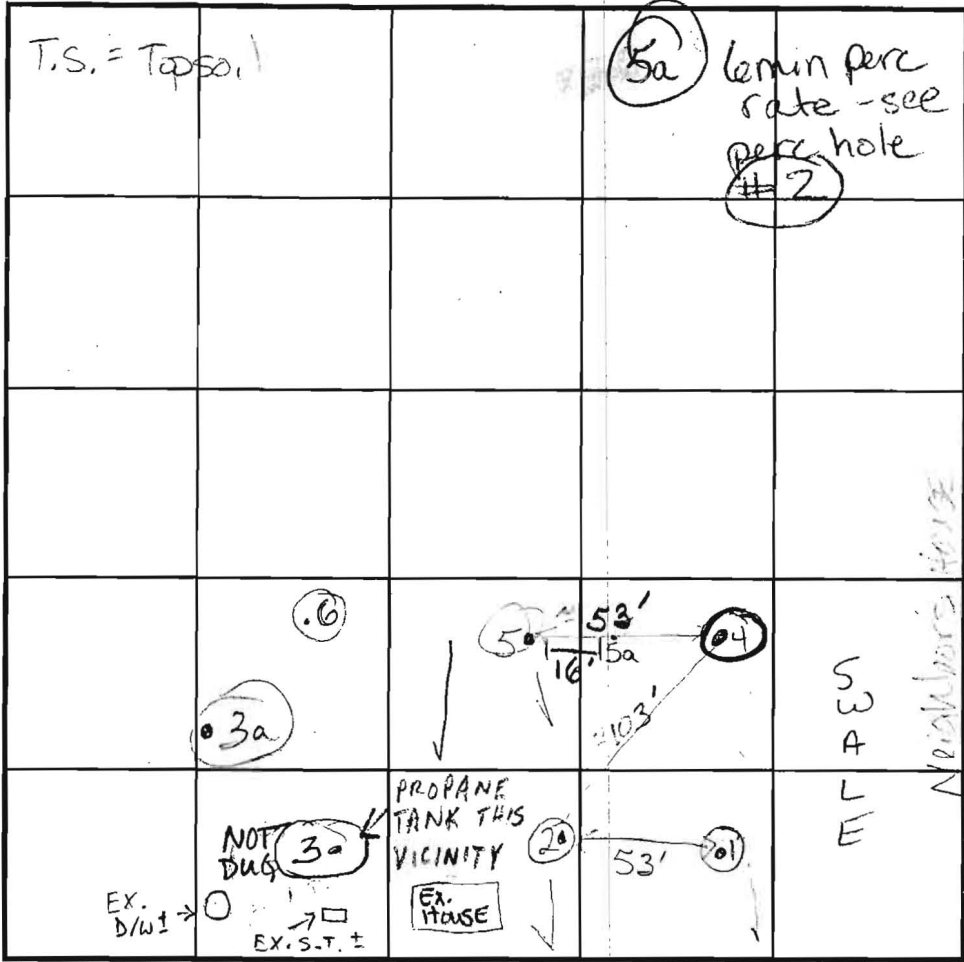
SOIL PROFILE

①
brn
rd brn
CL LM
<5% Rock
brn
H brn
off white
Micaceous
Si LM
10-20% Rock
Bottom

② 5a
T.S.
tan
org brn
Si CL
LM
Rock <5%
Micaceous
loam

④
DK Brn
orange
S Apricot
10-15%
Rock <5%
Bottom

④
T.S.
org
tan
brn
dk brn
S. CL
LM
dk brn
off
frag
micaceous
SA CL
LM
Rock <5%
Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
(R. 144) FREDERICK Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-13-01	①	53" S	10:31 ⁰⁰	10:33	10:33	10:36	3 min
		14" D	—————		—————		TIME PASSES BUT TOO CLOSE TO SWALE
	②	58" S	10:33	10:39	10:37	10:45	6 min
		14" D	—————		—————		PASS
	④	5' S	10:50	11:25	11:35	Less than 11 in 30 min	Fail
		14" D	—————		—————		Fail
	⑥	4' S	11:02	11:02	11:03	11:04	7 min
	repair	4' S	11:05 ⁰⁰	11:06 ⁰⁰	11:06 ⁰⁰	11:09	2.8 min
		14" D	—————		—————		PASS
	3a	4' S / 12" D	3:36 ⁰⁰	3:41 ⁰⁰	3:41 ⁰⁰	3:45 ⁰⁰	4 min 5 sec

REMARKS #4-10' OFF SURFACE #3 Not dug - did not have time?
REMARKS #3 not tested utilities not marked, pass propane tank close to AGGRESSIVE DOG
TESTED BY Goedeking ALSO PRESENT Mike Johnson
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

ALL HOLES BUT "3A" DUG PER PLAN

SOIL PROFILE

⑥
T.S.
brn
tan
beige
Micaceous
SA LM
Excessive
brittle
micaceous
sprayed
Rock Frag
<5%
Bottom

③a
T.S.
brn
rd
CL LM
rd brn
SALM
Rock Frag 20-30
Bottom