

# APPLICATION

PERCOLATION TESTING

A 517383

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 7/25/2002

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 M. MELCHIOR

ADDRESS 1670 HENRYTON RD MARRIOTTVILLE, MD 21104

AGENT OR PROSPECTIVE BUYER H. BLEVINS

ADDRESS 4140 RIDGE RD. WESTMINSTER, MD, 21157 PHONE 410 875-9067

PROPERTY LOCATION:

SUBDIVISION CLUSTER SUBDIVISION LOT NO. # 3

ROAD AND DESCRIPTION EAST SIDE WOODFORD DRIVE

TAX MAP 10 PARCEL # 184

SIZE OF LOT 1.1 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.

R+T  
(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

517383

COUNTY #

Parcel A

SOIL PROFILE

(3A) (3B)

0' 10' 20' 30' 40' 50' 60' 70' 80' 90' 100'

org brn  
Brown  
micaceous  
Loam  
Sil Lm  
Rx 5%

1' 2' 3' 4' 5' 6' 7' 8' 9' 10'

lt brn  
beige  
fine  
sand  
Rx 5-10%

Bottom

(3D)

1' 2' 3' 4' 5' 6' 7' 8' 9' 10'

wk org brn  
Sandy  
Loam

1' 2' 3' 4' 5' 6' 7' 8' 9' 10'

lt brn  
fine  
sand  
Trace  
Rock

1' 2' 3' 4' 5' 6' 7' 8' 9' 10'

(3C)

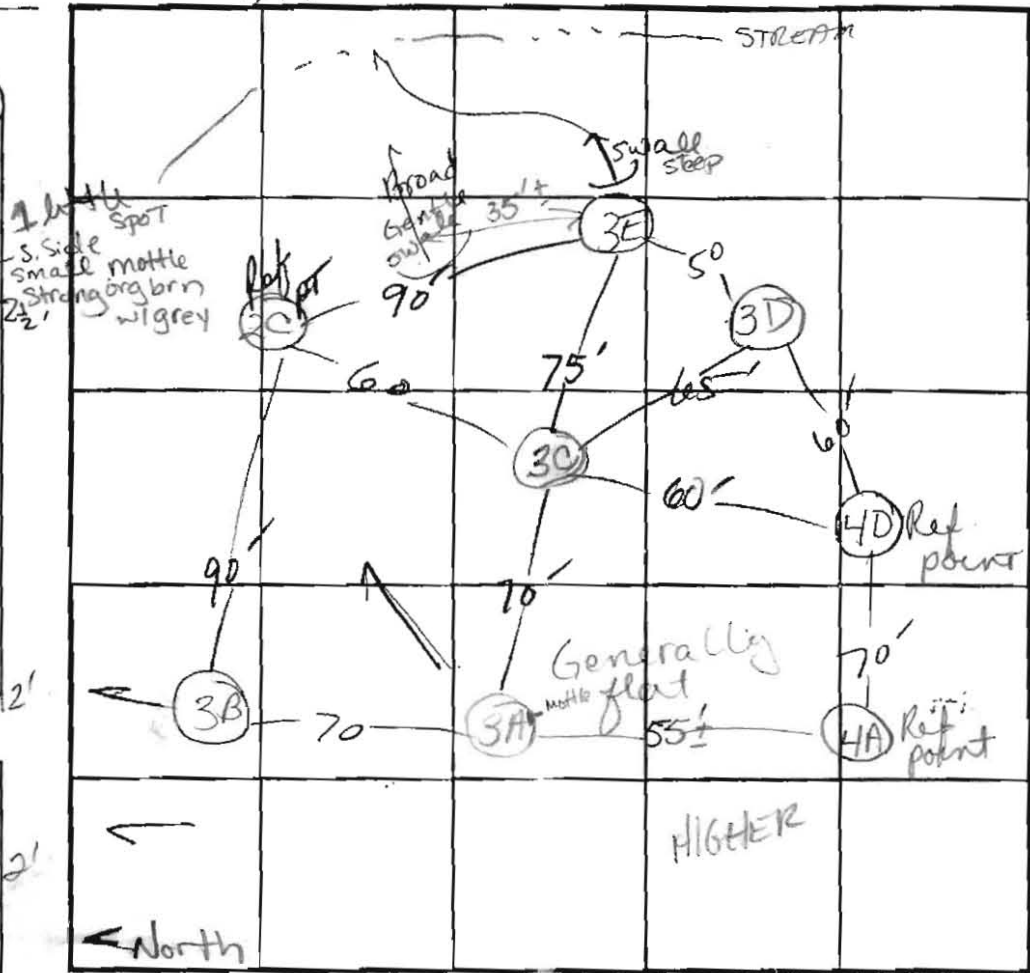
1' 2' 3' 4' 5' 6' 7' 8' 9' 10'

loamy sand  
Strong org brn  
Rx 5%

1' 2' 3' 4' 5' 6' 7' 8' 9' 10'

wk ybrn  
lt brn  
fine  
sand

Bottom



SOIL PROFILE

(3E)

0' 3' 6' 9' 12' 15' 18' 21' 24' 27' 30'

Brown  
loamy sand  
Rx: 15%+  
micaceous  
tan  
at  
brn, blue  
fine  
sand  
Rx 5-10%

1' 2' 3' 4' 5' 6' 7' 8' 9' 10'

vf. saprolite  
some platy  
10-15%

Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8-23-02	3A	2 1/2' 6 1/2' 12 1/2'	10:21:20	10:25	10:25	10:32	7 min 2 1/2 min	
	3B	Visual	SEE	SOIL PROFILE	BUT NO	MOTTLE	Pass	
	3C	3'	11:44:30	11:46:55	11:46:55	11:49:31	2 min	
	3D	2 1/2'	11:18:56	11:20:00	11:20:00	11:22:00	2 min	
	3E	3 1/2' 6 1/2' Post 5/22	12:27:55	12:29:25	12:31:45	12:31:45	2 min	
			12:22:48	12:23:51	12:23:51	12:25:30	OK	
		Pull 15' off of swale on south side rock @ surface to 2'						

REMARKS (DUG PER PLAN)

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

TESTED BY Kace ALSO PRESENT Henry Blewens

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

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SO FT/BEDROOM \_\_\_\_\_

517383  
COUNTY #

SOIL PROFILE  
(5I) / (5H)

0'  
brn micaceous sand  
Fine grained massive structure bluish white sand  
Saprolite  
Rx ≤ 10%

Bottom 12'

(4B)  
Wk org brn, brn loamy sand

4'  
lt brn, pink sand beige

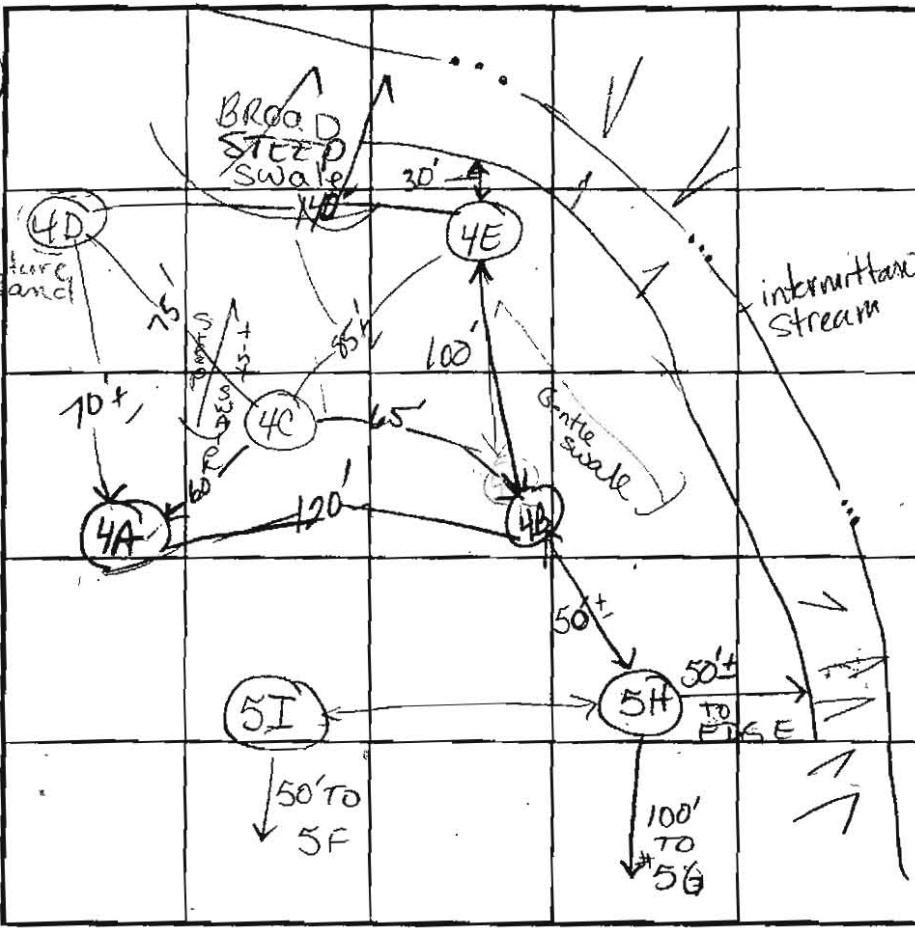
Some platy structure v. v. fr saprolite Σ 10%

Bottom 12'

(4E)  
Wk org brn Lmy sand

2 1/2'  
SAND  
brn lt brn  
Rx ≤ 5%

micaceous



SOIL PROFILE  
(4C) / (4D)

0'  
mg brn sandy loam  
tan lt brn sand  
Rx ≤ 5%

Bottom 12'

(4A)  
brn lt brn subangular silty mass. structured loamy sand Mn aggregates tan matrix w/ grey mottled micaceous bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-22-02	(5I)	3'	1:12:20	1:13:50	1:13:50	1:16:00	2+ min OK
	(5H)	Visual	See	Soil	Profile		OK
	(4B)	3' <sup>10x10</sup> <sub>1st hour</sub>	1:37"	1:38 <sup>30</sup>	1:38 <sup>50</sup>	1:39:50	2 min OK
		8' <sup>10x10</sup>	1:41:15	1:42:30	1:42:30	1:44:30	2 min OK
	(4E)	3'	2:11:25	2:13:00		2:15:10	2 min OK
	(4C)	3'	2:45:07			2:47:15	
			2:50:55	2:52:37	2:52:37	2:54:30	2 min OK
	(4A)	3' <sup>12x12</sup>	9:24:55	9:26:55	9:26:55	9:28:55	2 min
		7' <sup>12x12</sup>	9:19:28	9:23:45	9:23:45	9:29:30	~5 min
	(4D)	Visual	See	Soil	Profile		OK

REMARKS: 5H - 100' from center of stream Not per plan  
 TYPE OF SOIL: Vary dry soil + 5I - NOT per plan  
 TESTED BY: Kacie ALSO PRESENT: Henry Blavens  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_

517383

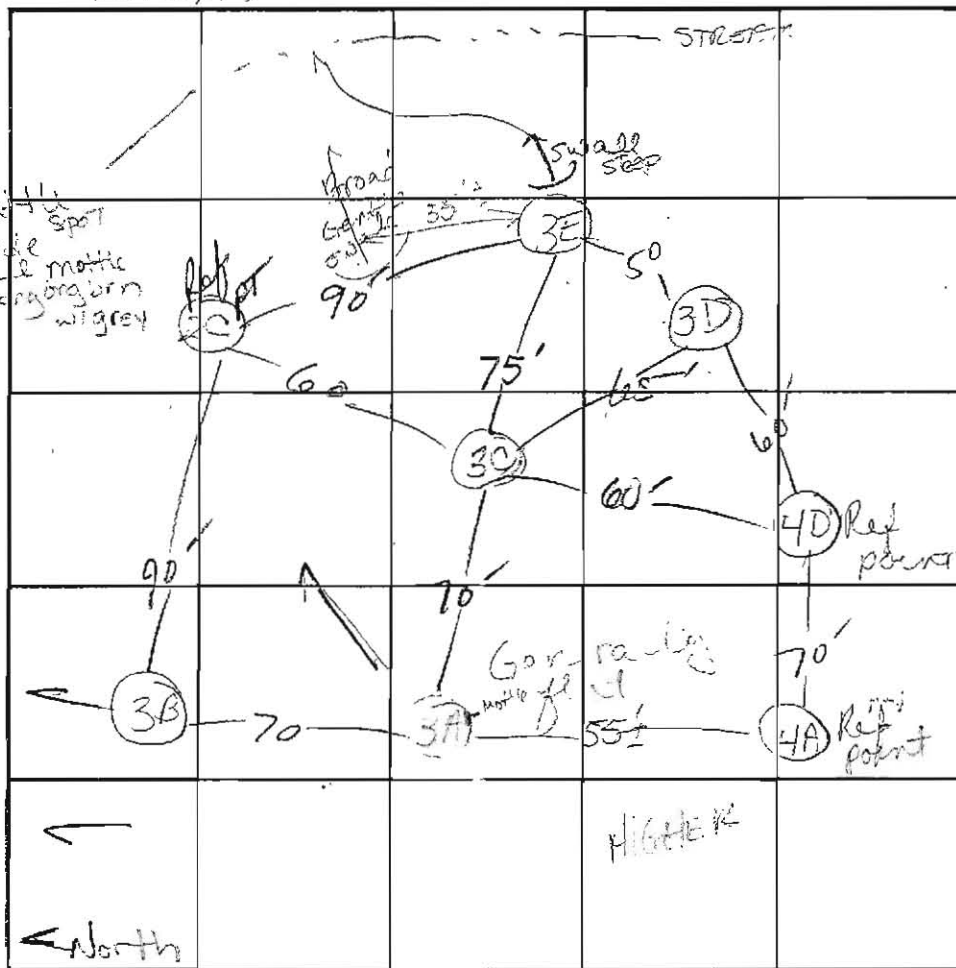
Parcel A

COUNTY #

SOIL PROFILE (2A) (3E)

0'  
Brown micaceous loam - silty  
Rx 55%  
Urban large fine sand  
Rx 5-10%  
Bottom

1' x 1' spot  
S. side  
small mottled brown w/ grey



SOIL PROFILE (3E)

0'  
Brown loamy sand  
Rx 15%  
micaceous  
fine sand  
Rx 55%  
vfr. saporite  
some clay  
10-15%

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-23-02	3A	2 1/2'	10:21:20	10:25	10:25	10:32	7 min
	3B	Visual	10:13:09	10:14:15	10:14:40	10:15:40	2 1/2 min
	3C	3'	11:44:30	11:46:55	11:46:55	11:49:31	2 min
	3D	2 1/2'	11:18:50	11:20:00	11:20:00	11:22:00	2 min
	3E	3 1/2'	12:27:55	12:29:25	12:31:05	12:31:05	2 min
		6 1/2' Post hole	12:22:48	12:23:51	12:23:51	12:25:30	OK
		Pull 15' off of swale					
		on south side		rock @ surface			

OK  
OK  
OK  
OK  
OK

REMARKS DUG PER PLAN  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY KACU ALSO PRESENT Henry Blowers  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

Bottom  
3D  
at bottom  
fine sand  
12'

3C  
Brown loamy sand  
strong brown  
Rx 50%  
2 1/2'  
Urban brown  
fine sand  
Bottom

517.38.3

COUNTY #

SOIL PROFILE

(5I) 10ft

0' brn  
fine grained  
sand  
fine grained  
medium  
bluish  
sandy  
siltstone  
Σ 10%

Bottom 12'

(4B)

0' Wk org  
loamy  
sand

4' brn  
fine  
sand

Small  
clay  
silt  
stone  
Σ 10%

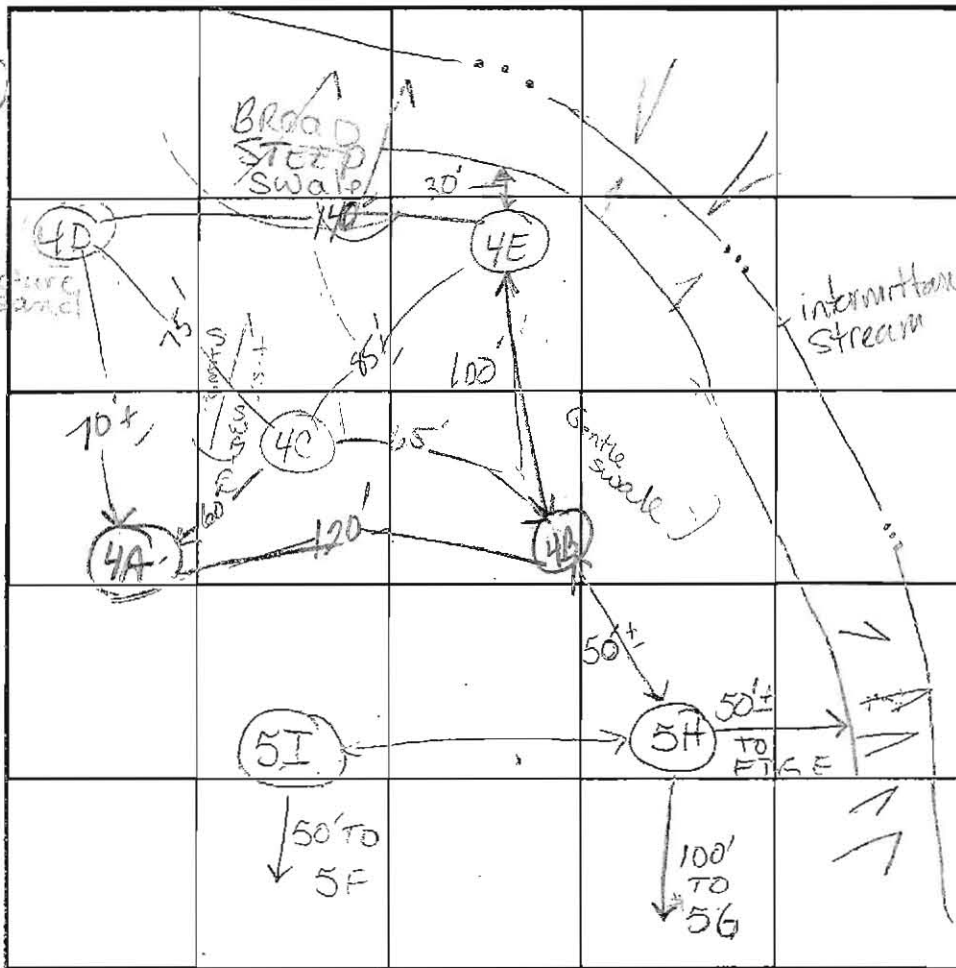
Bottom 12'

(4E)

0' Wk org  
brn  
loamy  
sand

2 1/2' SAND  
brn  
lt brn  
Rx = 5%

Mucous



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

(4C) 14ft

0' brn  
sandy  
loam

2' tan  
lt brn  
sand  
Rx < 5%

Bottom 12'

(4A)

0' Wk org  
loamy  
sand

4' brn  
fine  
sand

Small  
clay  
silt  
stone  
Σ 10%

Bottom 12'

(4E)

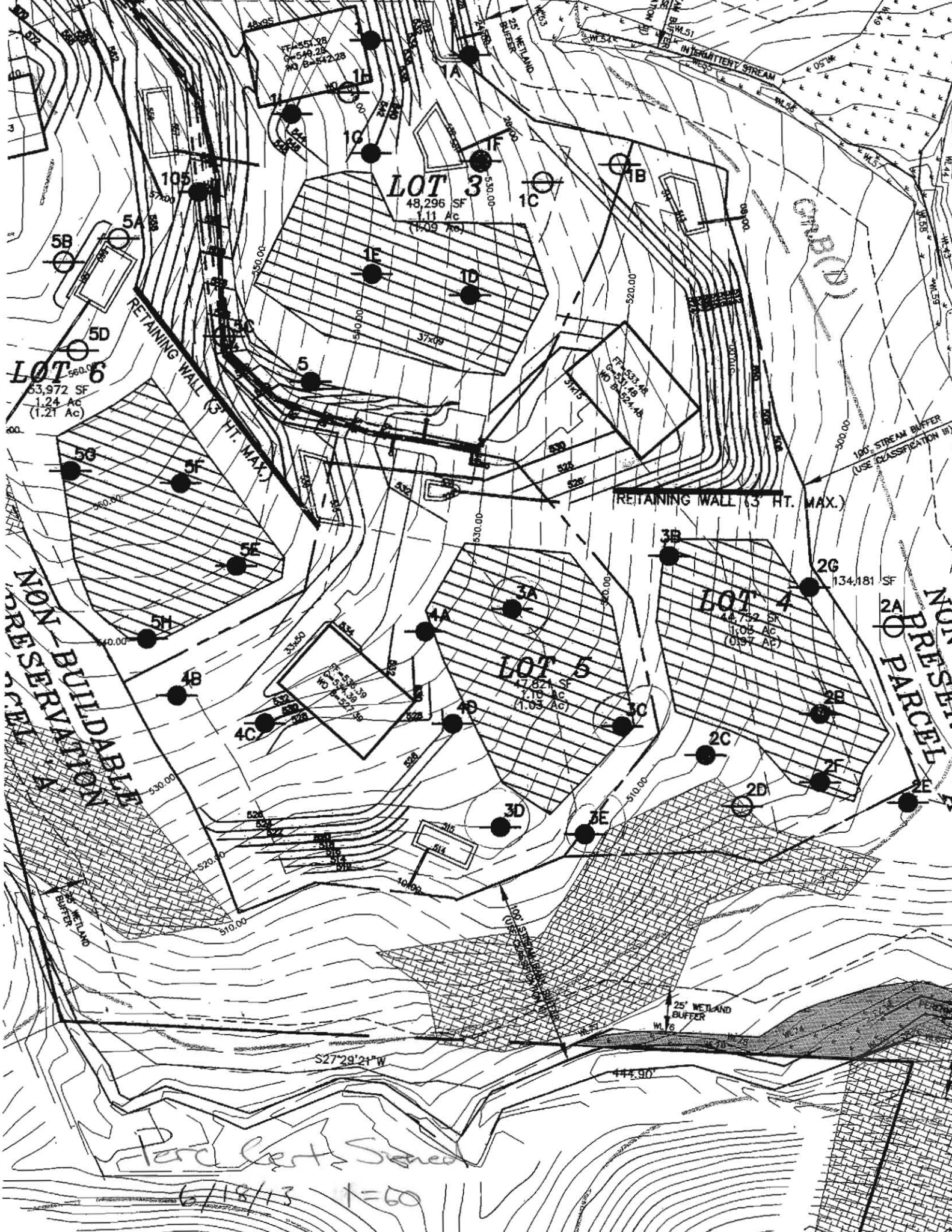
0' Wk org  
brn  
loamy  
sand

2 1/2' SAND  
brn  
lt brn  
Rx = 5%



Mucous

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-22-02	(5I)	3'	1:12:20	1:13:50	1:13:00	1:16:00	2 min OK
	(5H)	Visual	See	See	Profile		OK
	(4B)	3' 10x10	1:27:11	1:38:30	1:38:50	1:40:00	2 min OK
		8' 12"	1:41:15	1:42:30	1:43:30	1:44:30	2 min OK
	(4E)	3'	2:11:25	2:13:00		2:15:10	2 min OK
	(4C)	3'	2:45:07			2:47:00	
			2:50:55	2:52:37	2:52:37	2:54:30	2 min OK
	(4A)	1' 12x12 7' 12x2	9:24:50	9:26:55	9:26:55	9:28:55	6 min
	(4D)	Visual	See	See	Soil Profile		OK

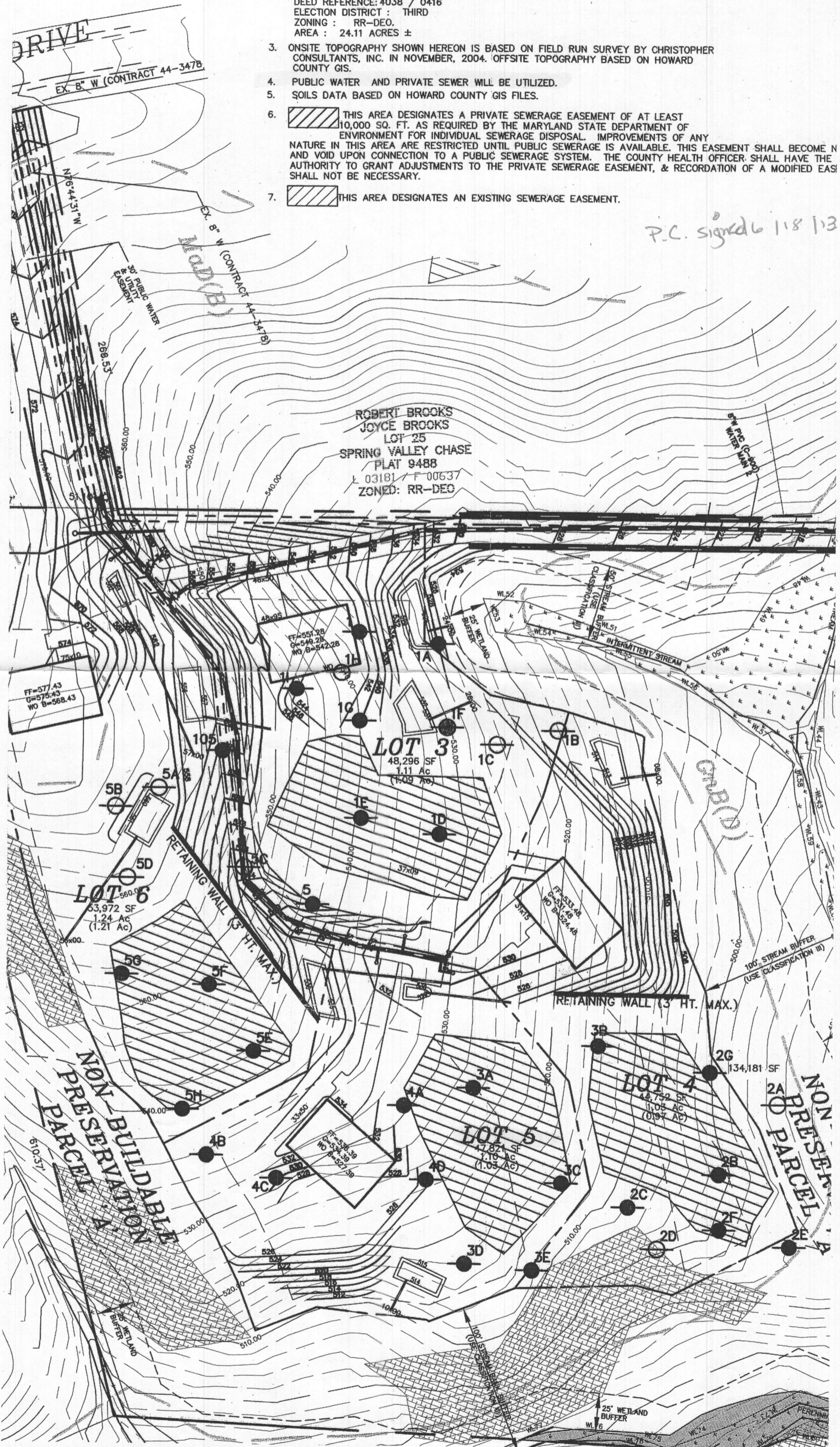
REMARKS 5H - 100' from center of stream Not per plan  
 TYPE OF SOIL Very dry, siltstone 5I - NOT PER PLAN  
 TESTED BY Kacie ALSO PRESENT Henry Blawie  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SO FT/BEDROOM \_\_\_\_\_



**GENERAL NOTES:**

1. THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE 7/28/2006 COMPREHENSIVE ZONING PLAN.
2. **PARCEL BACKGROUND:**  
 TAX MAP : 10  
 PARCEL : 184  
 DEED REFERENCE: 4038 / 0416  
 ELECTION DISTRICT : THIRD  
 ZONING : RR-DEO.  
 AREA : 24.11 ACRES ±
3. ONSITE TOPOGRAPHY SHOWN HEREON IS BASED ON FIELD RUN SURVEY BY CHRISTOPHER CONSULTANTS, INC. IN NOVEMBER, 2004. OFFSITE TOPOGRAPHY BASED ON HOWARD COUNTY GIS.
4. PUBLIC WATER AND PRIVATE SEWER WILL BE UTILIZED.
5. SOILS DATA BASED ON HOWARD COUNTY GIS FILES.
6.  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 N 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 EASEMENT SHALL NOT BE NECESSARY.
7.  THIS AREA DESIGNATES AN EXISTING SEWERAGE EASEMENT.

P.C. signed 6/18/13



ROBERT BROOKS  
 JOYCE BROOKS  
 LOT 25  
 SPRING VALLEY CHASE  
 PLAT 9488  
 L 03181 / F 00637  
 ZONED: RR-DEO

DRIVE  
 EX. 8" W (CONTRACT 44-3478)

MOD(B)

MOD(D)

NON-PRESERVATION PARCEL

NON-PRESERVATION PARCEL