

# APPLICATION

PERCOLATION TESTING

A 516084

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 SECURITY DEVELOPMENT, L.L.C.  
P.O. BOX 417  
ADDRESS ELLICOTT CITY, MD 21041 PHONE 410-465-4244

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_  
ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:  
SUBDIVISION HOMWOOD LOT NO. 23  
ROAD AND DESCRIPTION HOMWOOD ROAD

TAX MAP 23 & 29 PARCEL # 20 & 86  
SIZE OF LOT 1 ACRE ± TYPE BLDG. SINGLE FAMILY DETACHED  
(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.  
SECURITY DEVELOPMENT LLC  
By: [Signature] MEMBER  
(SIGNATURE OF APPLICANT) STEPHEN K. BIRFORD

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

516084

COUNTY #

SOIL PROFILE

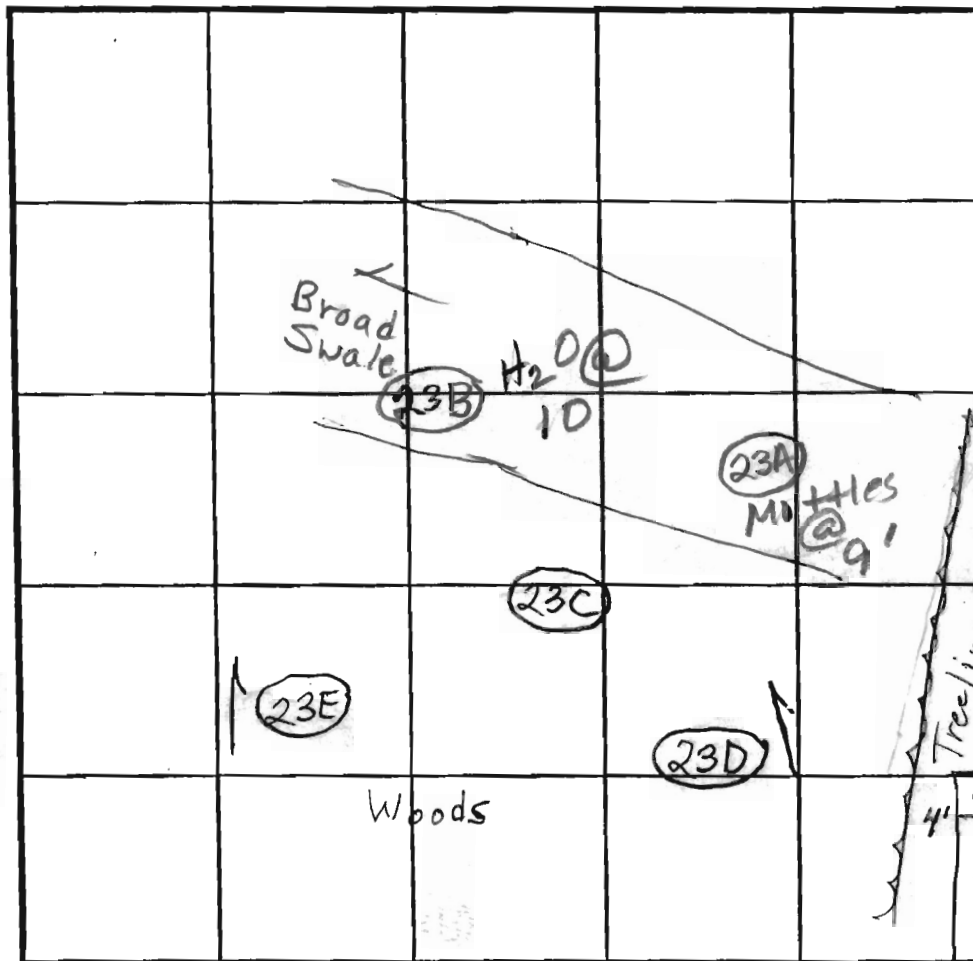
0' (23D)  
 Red Br Heavy Loam 2'  
 Beige Sa Loam  
 Pockets of ~30% Rock From 6'-11'  
 ~15% Avg. Rock  
 13'

(23C)

Or Red Br Sa Loam Some Clay 4'  
 Or Br Sa Loam ~10% Rock  
 13.5'

(23E)

Or Br Sa Cl Loam 2.5'-4'  
 Brown and Tan Sa Loam  
 15-20% Rock Average One Small Pocket of ~30-40% Rock  
 13'



SOIL PROFILE

0' (23B)  
 Red Br Heavy Loam 2'  
 Or Br Mica Loam Sporadic Clay  
 Mottling at 5'  
 6' Med Br White and Or Sa Loam Mottled  
 10' Caving Water  
 11'

(23A)

Or Red Br Sa Cl Loam  
 Or Br Sa Loam ~40% Rock/Gravel Pockets of ~50% Rock  
 Mottling ~9' Maybe Higher

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Homewood Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/7/02	23D	3.5'/13'V	11:51:45	11:53:10	11:53:10	11:56:10	3	O.K.
		7'	11:52	11:52:55	11:52:55	11:53:45	50sec	
	Repour	7'	11:54	11:55:15	11:55:15	11:56:50	1min 35sec	
	23C	4'/13.5'V	12:03:15	12:04:40	12:04:40	12:07:10	2 1/2	OK
		5.5'	12:02	12:04:15	12:04:15	12:07:55	3min 40sec	
	23E	4'/13'V	12:16	12:21:30	12:21:30	+	EST. 10 min	
		5'3"	12:19:15	12:20:20	12:20:20	12:22:50	2 1/2	OK
	23A	4'/13.5'V	12:44	12:46:20	12:46:20	12:49:30	~3	(F)
		6'	12:43:45	12:46:20	12:46:20	12:50:35	4min 15sec	
	23B	11'V	Mottling @ 5'					(F)

REMARKS: Holes per plan WET SEASON TESTING  
 TYPE OF SOIL: REQ'D FOR 23A  
 TESTED BY: BB ALSO PRESENT: HATFIELDS  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_

516084

COUNTY #

SOIL PROFILE  
**(25C)**

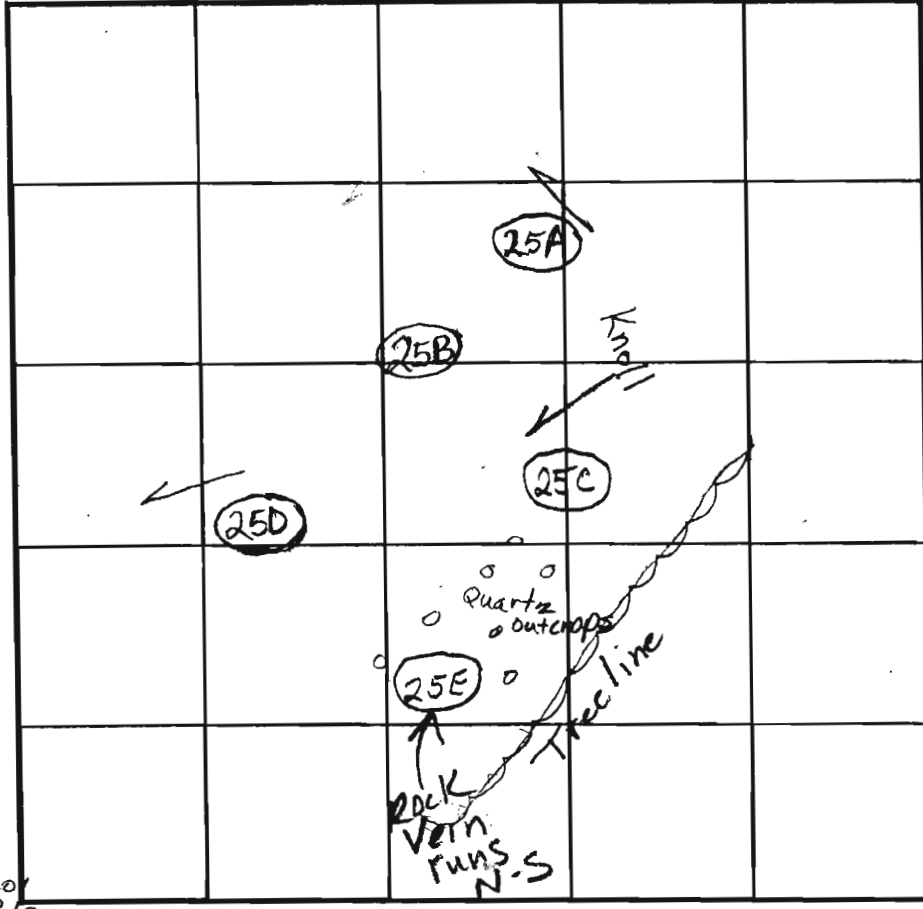
0' Red Br Cl Loam 2.5'  
Or Br Sa Cl Loam ~5% Rock 6.5'  
Or Br Loamy Sand ~5% Rock 15'

**(25E)**

Red Br Sa Cl Loam Large Pieces of Quartz 20-25% 4 1/2'  
Or Br Sa Loam ~20% Rock 6'

**(25B)**

Or Red Br Gravelly Sa Cl Loam 3'  
Or Br Sa Loam 5-10% Rock 7.5'  
Tan Loamy Sand 5-10% Rock 15'



SOIL PROFILE  
**(25D)**

0' W/C red brm SCLM  
4' Strong org brn Si Lm Micaceous Rx ≤ 5%  
12' White lateral Mn on saproduct faces A strong red brm Rx ≤ 100%  
14 1/2' Bottom

**(25A)**

Strong brn org brn hty loam Rx ≤ 5%  
3 1/2' Trace beige H br Powdery sand  
15' Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Homewood Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/7/02	25C	3' 10" / 15' V	10:34	10:53	10:53	11:23	30 min
	Repair	6' 10"	10:36	10:37	10:37	10:38:40	~2 1/2
	25E	4' / 13.5' V	10:49	pulled @	11:10	Mixed 1/4"	Slow
		9' Fails below	10:46:31	10:48:40	10:48:40	10:52	3 min
	25D	3.5' / 15' V	11:03:30	11:05:54	11:05:54	11:13	8 min
		5' 10"	11:03:55	11:04:25	11:05:15	11:05:15	50 sec
	Repair	5' 10"	11:07:46	11:08:46	11:08:46	11:09:56	1 min
	25D	3 1/2" / 14 1/2' V	11:20	11:24	11:26	11:39	13 min
		6'	11:20:10	11:23:00	11:25:30	11:25:30	2 1/2
	25A	6' / 15' V	11:34:19	11:35:24	11:35:24	11:36:33	1 1/3
		4'	11:34:39	11:37:00	11:39:00	11:41:44	15 min
			11:39:25	11:41:06	11:41:06	11:42:52	1 3/4

REMARKS repair 6'

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

TESTED BY K6/BB ALSO PRESENT Hattfields

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

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

COUNTY #

SOIL PROFILE

(414)  
Lt Brown  
gravelly  
clay loam

2'  
30-40%  
Gravelly  
Clay loam

4'-5'  
Gravelly  
Loam

w/ 30-40%  
Cobbly  
Some Clay  
stone quartz

6'-7'  
Gravelly  
Loam  
Close to 50%  
Rock Below 8'

14'  
141

(415)  
Lt Brown  
Gravelly  
clay loam

2'  
Si clay  
Loam

3'-3.5'  
S2 loam  
~5% Rock

6'  
5 1/2  
Loam  
w/ 20-30%  
Cobbly  
Quartz  
Rock

10 1/2  
Caving @  
WATER @ 12'

(147)  
Brown  
gravelly  
clay loam

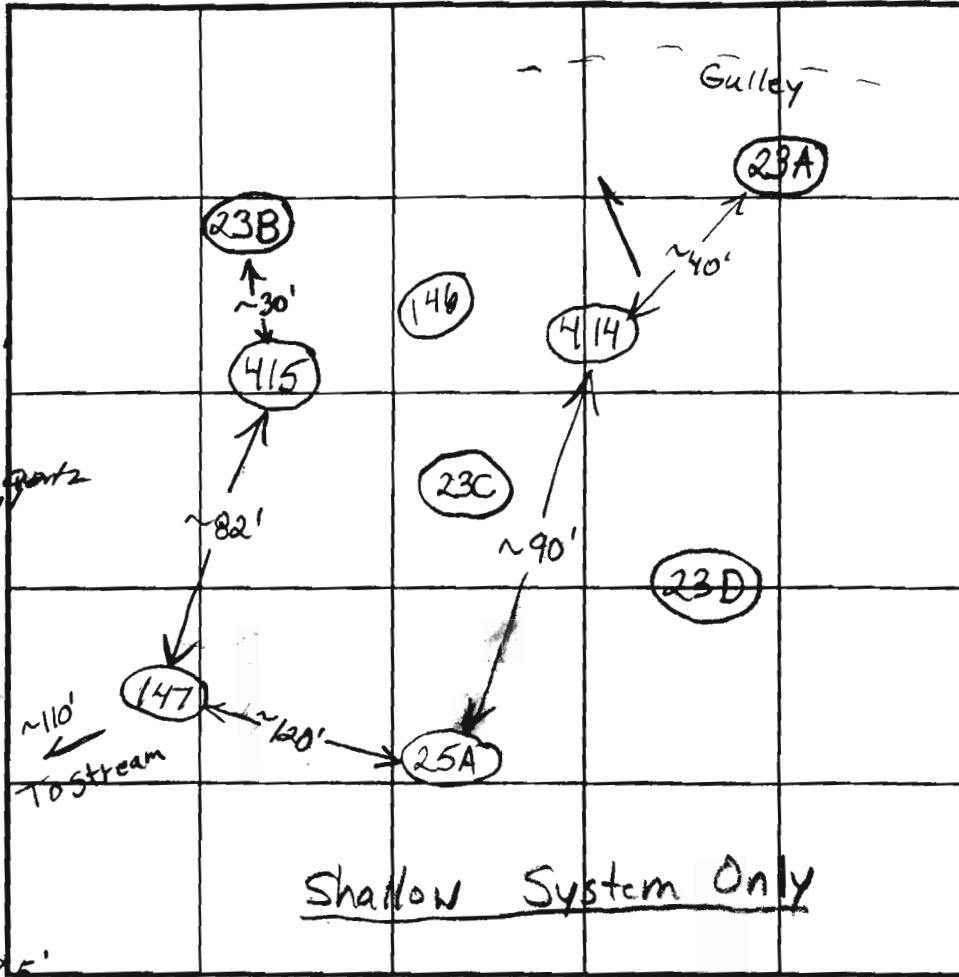
w/ 10-20%  
Cobbly  
Quartz

6'  
Red/Brown  
5 1/2  
Loam

Red Brown  
5 1/2  
Loam

w/ 30-40%  
Cobbly  
Quartz  
Rock

14'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME		
			START	STOP	START	STOP			
3/25/03	414	6' / 14' v	11:02	11:03:30	11:03:30	11:05:15	~2	(F)	
		12" x 12"	7'	11:55	11:55:50	11:55:50	11:56:45	~1	
	415	4' / 12' v	11:39	11:42:30	11:42:30	11:48	5 1/2	Marg.	
		Possible Mottling Below 9' - Darker Colored Mica							
	414	12" x 12" Repair 7'	11:58:15	11:59:20	11:59:20	12:00:35	1 1/4	(F)	
	147	14' v					O.K.		

REMARKS

TYPE OF SOIL

TESTED BY B. Baker / E. Alfonso

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

516084  
COUNTY #

SOIL PROFILE

0' (149)  
Strong org  
very loam  
not dense  
packed 4'  
fine sand  
lt brn  
lt brn  
Trace Rx  
moist soil here?  
Bottom 14'

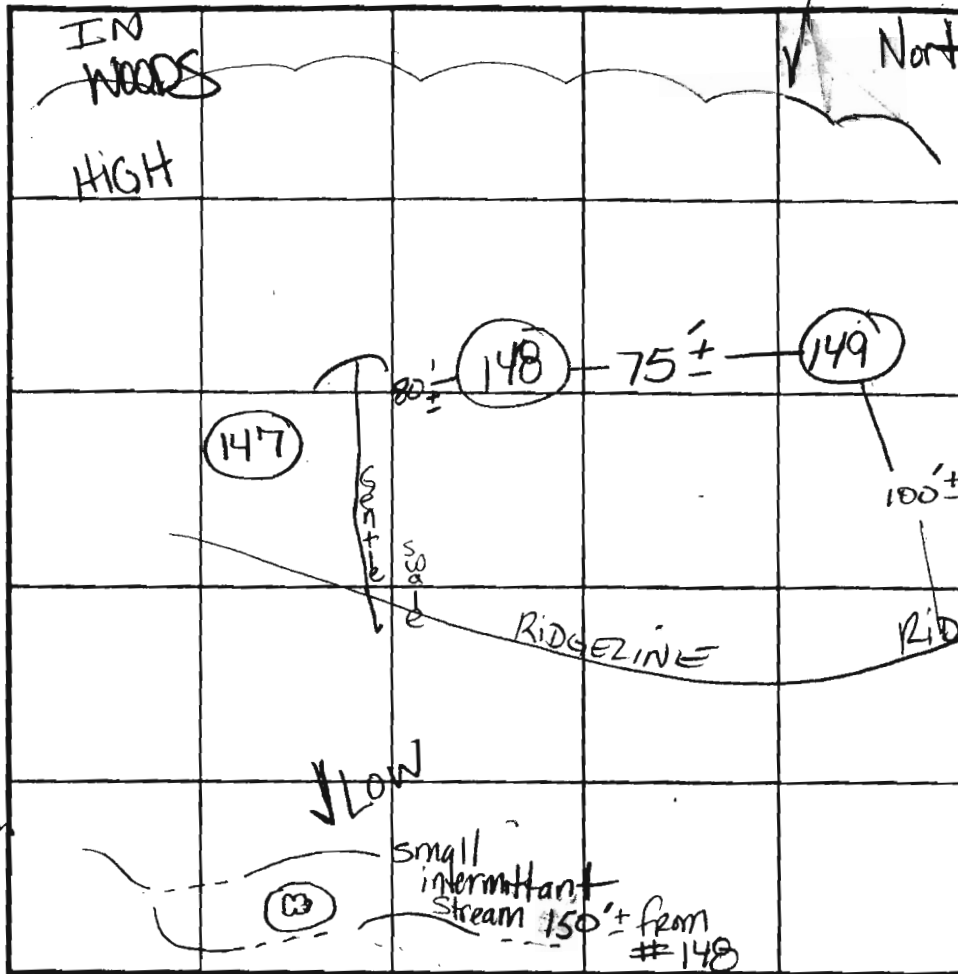
(148)

Strong y brn  
wk org brn  
ribbons  
1"  
ribbons  
1/2" loam  
3'  
5'

lt brn sand  
fine grained  
v, v, fr. saprot  
sandstone  
rock ledge  
@ 10' on  
west wall  
Bottom 14'

(147) East

strong brn  
very sandy  
loam  
fine sand  
lt y brn  
brn  
Trace Rx  
Bottom 9'



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11-6-02	(149)	5 1/2' M 14' V	9:25	9:27:30	9:27:30	9:33	5+ min	ok
		3 1/2' S Fe packet 10-15%	9:33	9:36	9:36	9:41	4 min	
		Soil @ bottom - very faint mottles held up & keeps shape - bounces multiple times						
	(148)	4 1/2' S 10'-14' V percol on west wall	9:46	9:52	9:52	10:12	10 min	ok
		tx zone						
		5 1/2' M	10:02 <sup>30</sup>	10:03 <sup>30</sup>	10:03 <sup>30</sup>	10:05 <sup>20</sup>	~2 min	ok
	(147)	3' 10" 13 1/2' V	10:14	10:16	10:16	10:19	3 min	
		Check slopes - Field-Run						

REMARKS Rained last night Holes dug on stake staked per plan  
TYPE OF SOIL Holes reassessed after Field-run top  
TESTED BY KN ALSO PRESENT Natfields  
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_

Very Very little Rx  
in occupied soil  
Refer to 10' West  
Bottom 10'

MgB2

GAITHER HUNT SECTION 1, AREA 1  
PLATS 13208-11  
F-00-224

8/20/04

Well Site

By [Signature]

(B3)

GAITHER HUNT SECTION 1, AREA 1  
PLATS 15050-51  
F-01-144

Copy of signed  
Perce Plan 7-10-03

OWNED AND MAINTAINED  
BY THE GAITHER HUNT HOA

MgC2

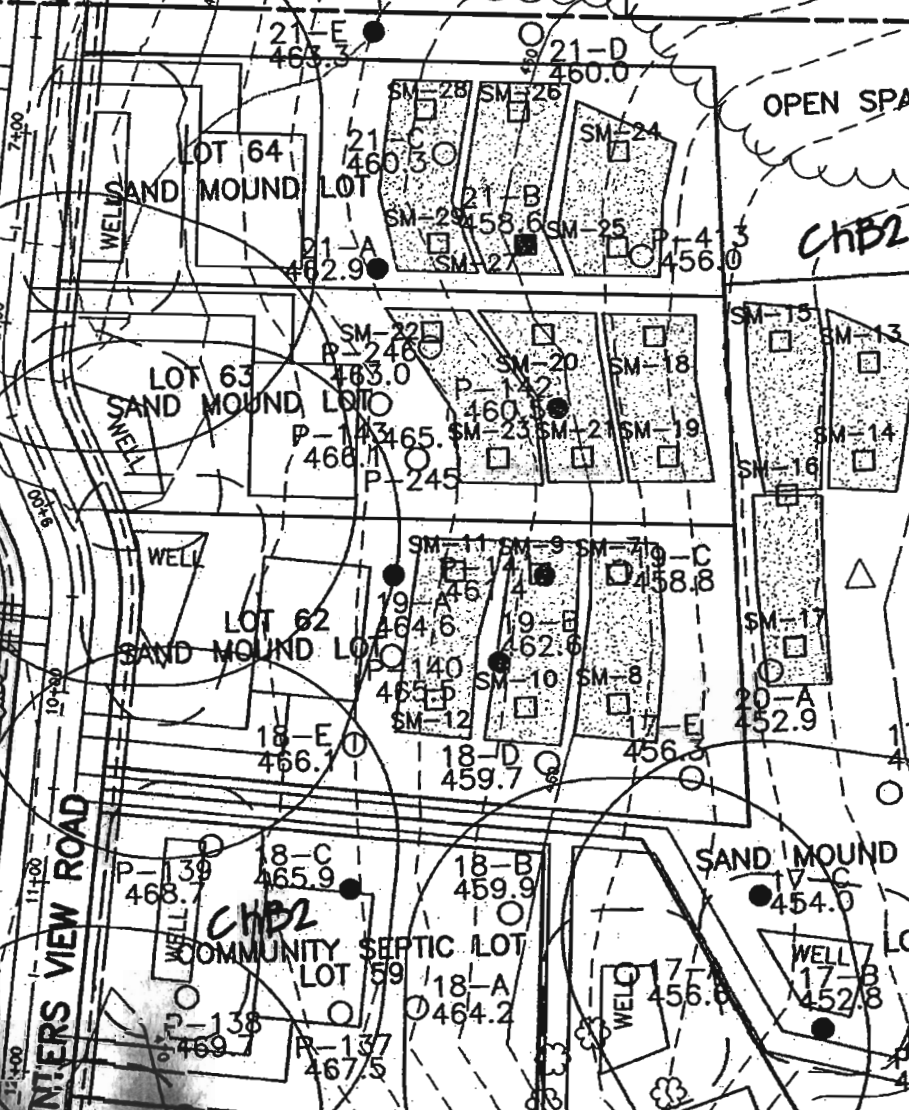
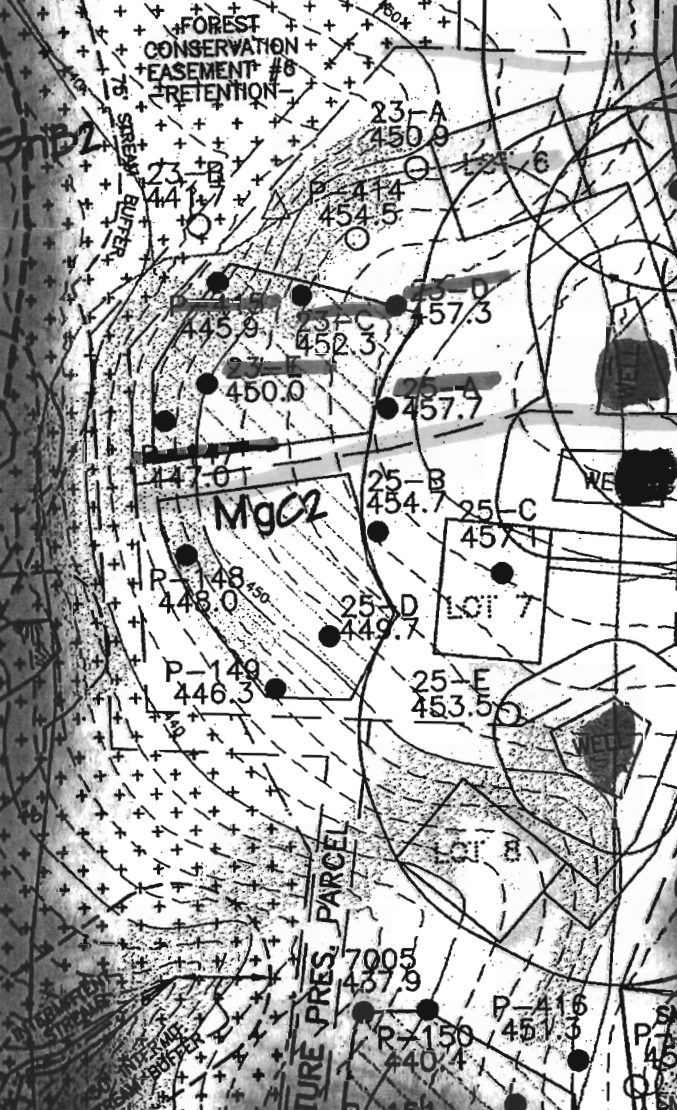
MnD

2630.31

LOT 78 CHC2



EXISTING SAND MOUNDS  
GAITHER HUNT SECTION 1, LOT 8 PLAT 15



ANNIERS VIEW ROAD

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OPEN SPA

CHB2

CHB2

SAND MOUND LOT

WELL

WELL

WELL

WELL