

APPLICATION

PERCOLATION TESTING

A 518605

P _____

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

DISTRICT _____

DATE 4/2/2003

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 COLBURN CARLTON

ADDRESS 6608 Ridgewood Dr. Naples Florida 34108 PHONE (239) 598-5211

AGENT OR PROSPECTIVE BUYER JOHN G. RICK 8229

ADDRESS 5874 MONTGOMERY RD PHONE 410-379-8567

PROPERTY LOCATION: ELKBRIDGE, MD 21075 CALL 443-980-8798

SUBDIVISION GREEN HEDGE LOT NO. 25

ROAD AND DESCRIPTION EVERGREEN WAY

TAX MAP 16 PARCEL # 297

SIZE OF LOT 1 Ac. ± TYPE BLDG. S.F.D
(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.

John G. Rick
(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

COUNTY #

SOIL PROFILE

0' fill

16" Light brown Dam SL

2 1/2' Gray SIL w/p 3 Fe mottles (H2O%) & 10-15% coarse cherty Qtz frags (perched @ 2 1/2')

7' Brown SCL

2' Heavy DK Brown SCL

3 1/2' Heavy gray red L w/ 15-20% coarse cherty frags.

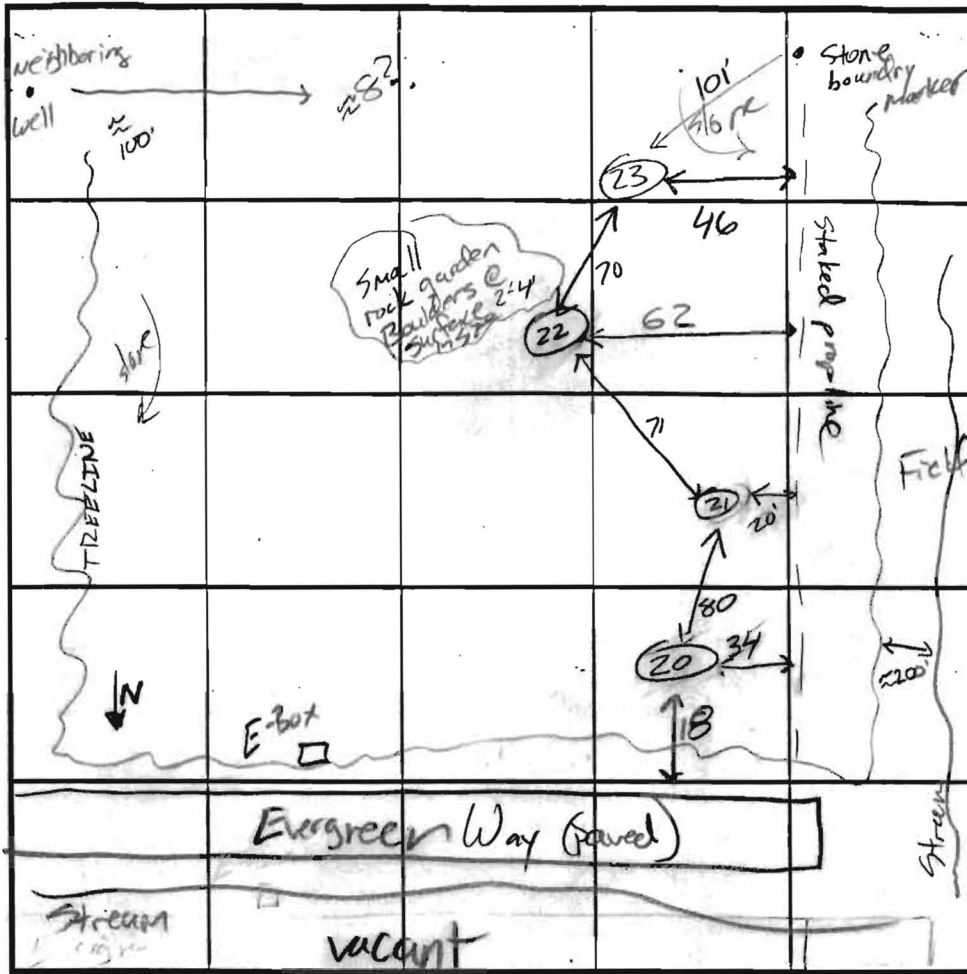
6' gray SIL w/p 3 Fe mottles & heavy perched H2O @ 6'

22

2' Brown SCL

3 1/2' Heavy Brown L w/ d 2 Fe mottles

6 1/2' refusal @ 6 1/2' on the ENE end of hole & w/ 3 SIL w/p 3 Fe mottles perched H2O @ 9 1/2'



SOIL PROFILE

0' Brown SIL

3 1/2' hard SL brown

4 1/2' brown SL w/ < 5% coarse frags

12' water

N INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/10/03	20	7' V	perched @ 2 1/2'	insufficient material	permeable		F
	21	12' V		insufficient material	permeable		F
	22	6 1/2' / 12'	11:50:30	11:56:45	11:56:45	12:06:45	10
	23	6' / 12'	11:32:00	11:32:30	11:32:30	11:33:22	Quick
		repair	11:35:20	11:36:00	11:36:00	11:38:15	2:15'

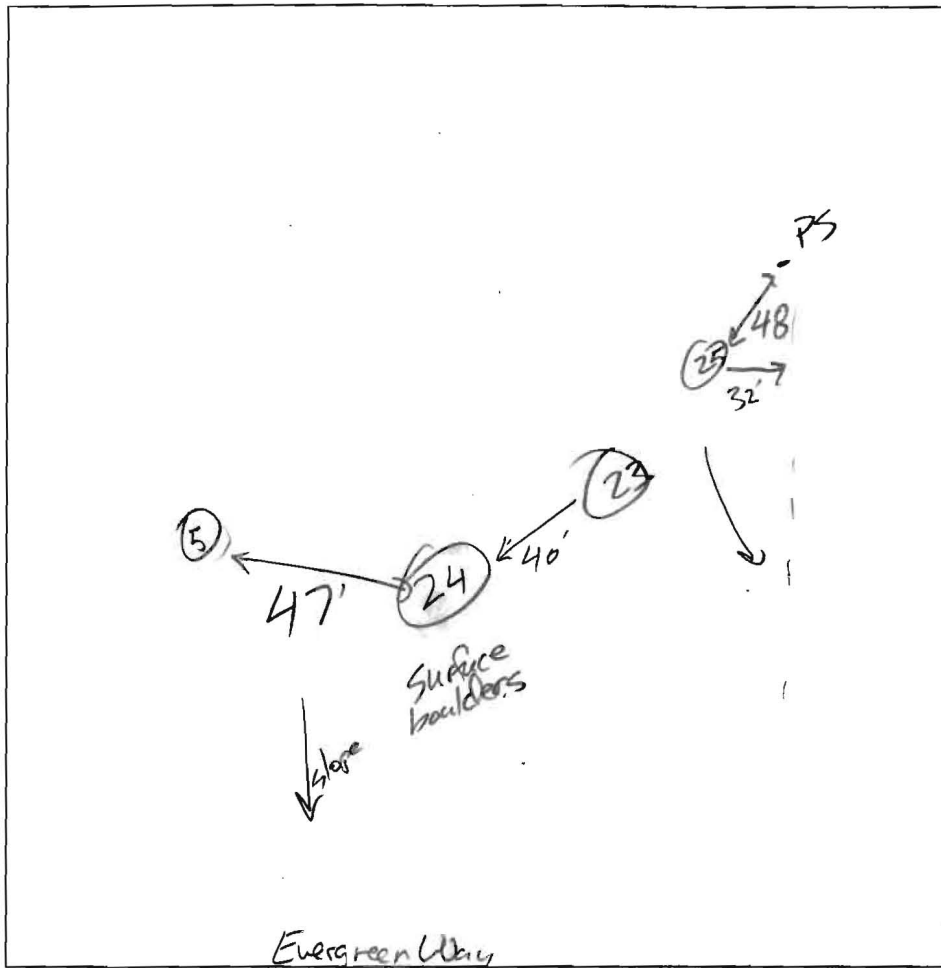
REMARKS p = prominent; 3 = > 15mm; d = distinct; 2 = 5-15mm

TYPE OF SOIL _____

TESTED BY J. Boris / F. Alfonso ALSO PRESENT K. Korman Rick

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



24
brown SCL
Heavy orange brown L
3 1/2
fine yellow brown SL
4/5% coarse floss
12 water

25
heavy orange brown SCL
5
orange brown L 4/5-10% coarse floss
4
fine yellow brown SL
12 water

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
6/30/03	24	4 / 13	9:08	9:09	9:12	3	P
6/30/03	25	5 / 13	9:39	9:44	9:53	9	P

REMARKS _____

SANITARIAN Booij BACKHOE _____ OTHERS Fick

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

PERC RATES

3
9
10
2.25

AVG 6 min

9/3/09 (FA)

1. [(180 ft/bedroom) x 4 bedrooms] / 3 = 240 ft

2. [(180 ft/bedroom) x 5 bedrooms] / 3 = 300 ft

INLET @ 4'

BOTTOM @ 5'

240 ft x .83 = 199 ft of trench

300 ft x .83 = 249 ft of trench

4' 1' sidewalk

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
CgC2	Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded	B
ChC2	Chester silt loam, 8 to 15 percent slopes, moderately eroded	B
Cs	Cornus silt loam	B
GID3	Glenside loam, 15 to 25 percent slopes, severely eroded	B
Ha	Hatboro silt loam	D

LEGEND

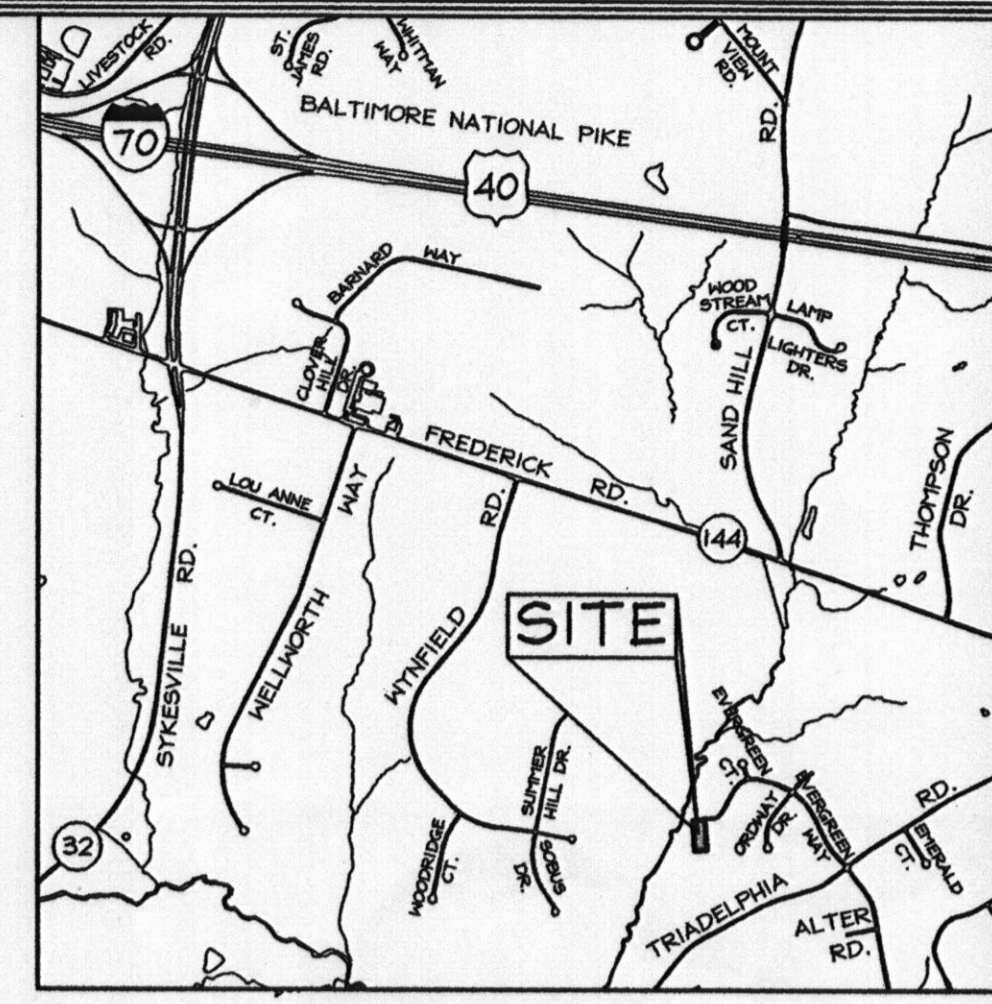
Existing Contour ----- 562

Proposed Septic Area [Hatched Box]

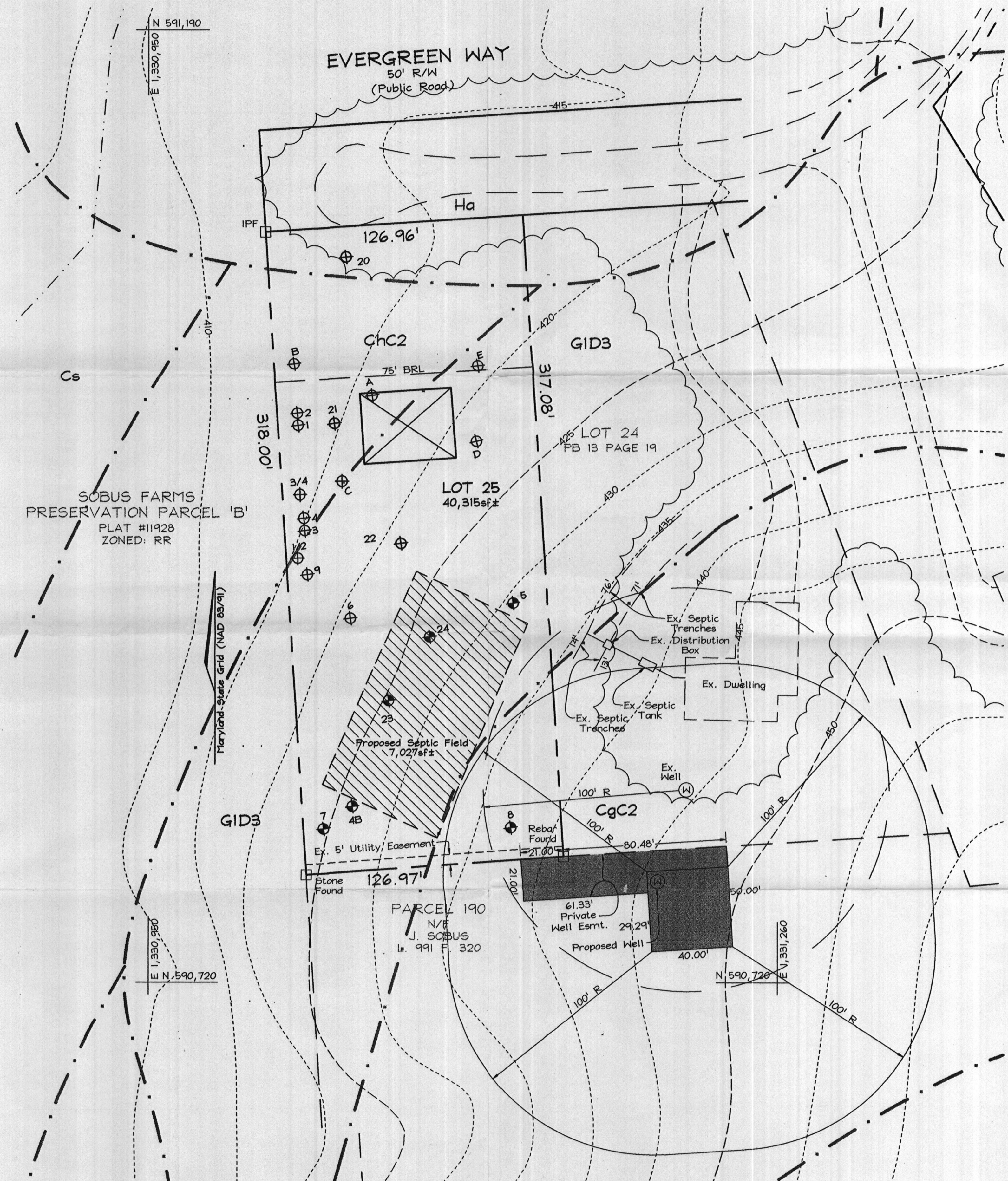
Approximate location of Perc Test (Failed) [Circle with X]

Approximate location of Perc Test (Passed) [Circle with dot]

Proposed Well Area [Dotted Box]



VICINITY MAP
SCALE: 1"=200'



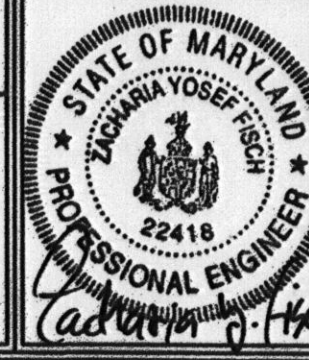
- GENERAL NOTES**
1. Subject property zoned RR per 10/18/93 Comprehensive Zoning Plan.
 2. Total area of property = 40,315 sf.
 3. Private water, and sewer will be used within this site.
 4. [Hatched Area] This area designates a private sewage reserve area as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage is available. These areas shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage reserve area. Recardation of a modified sewage easement shall not be necessary.
 5. All wells and septic systems on adjacent properties within 100' of proposed wells and proposed septic systems have been shown.
 6. Howard County Soil Map #14
 7. Topography is based on Howard County 1993 Aerial Topographic Surveys with five foot contours.
 8. Septic fields are located on soil types CgC2 and GID3, as per the soil survey of Howard County.
 9. Reference: Plat # 11926

PERCOLATION CERTIFICATION PLAN
Signed
GREENHENG

TAX MAP 15 LOT 25
3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Lenny Boerstein M.D. 7/22/03
COUNTY HEALTH OFFICER DATE



FSH Associates
Engineers Planners Surveyors
5318 Forest Street, Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: PS
DRAWN BY: Slim
CHECKED BY: ZYF
SCALE: 1"=30'
DATE: July 16, 2003
W.O. No.: 3176
SHEET No.: 1 OF 1