

APPLICATION

PERCOLATION TESTING

A 516543

P _____

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

DISTRICT _____

DATE 2/28/02

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 Mullinix, Elizabeth

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER John Congedo

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Mullinix Property LOT NO. _____

ROAD AND DESCRIPTION Hoods Mill Road - East Side

TAX MAP 8 PARCEL # 166

SIZE OF LOT _____ TYPE BLDG. _____
(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.

(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

300

0- Br Loam

Light Tan
Sa Loam

5-10%
Saprolite

301

Red Br
Heavy Loam

Light Tan
Sa Loam

10-15%
Saprolite

Variable
Top Clay
Layer

302

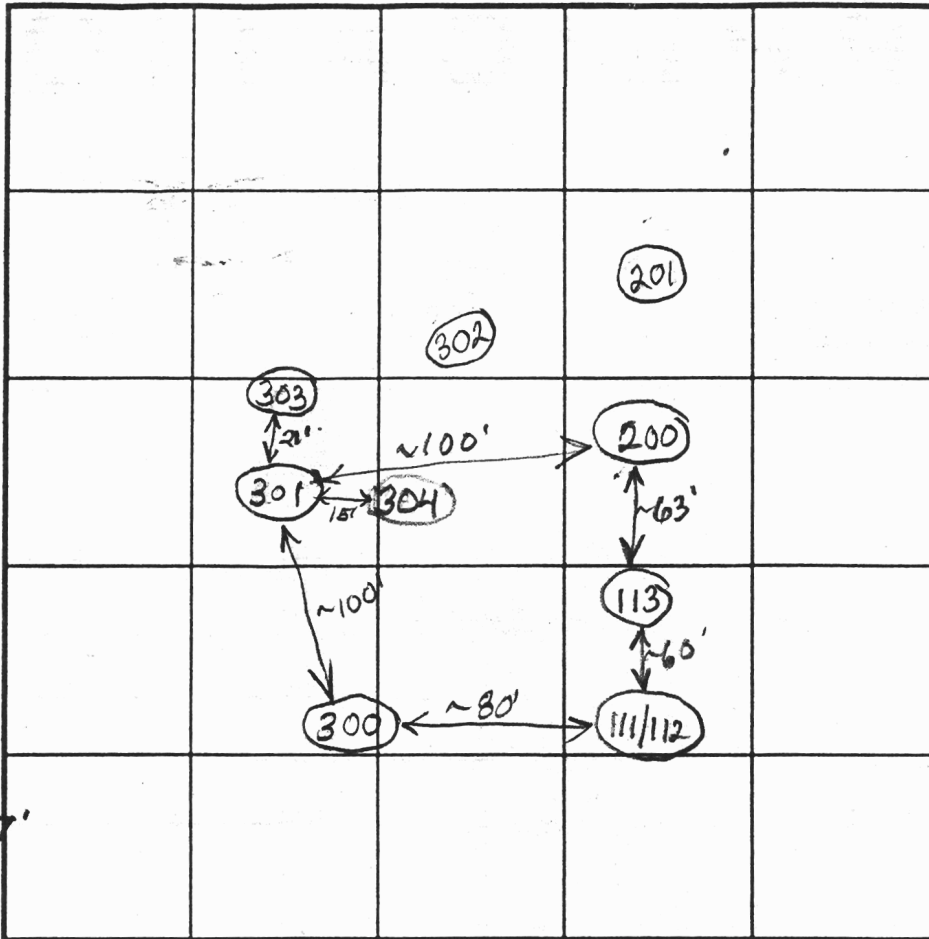
Red Br
Heavy
Loam

Si Loam
10-15%
Rock

Med Fine
Sa Loam

~20%
Saprolite

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 97

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/25/02	300	5' / 12' V					5 1/2
	301	56" / 13.5' V	~60 minutes		an inch		Slow
	303	5' Visual					
		Would Perc 4'					
	304	5' Visual					
		Would Perc ~4'					
	302	11' V					
<p>Kelly Soils are in part of top of septic casement - See Soil Map in File - 240 sq ft / bedroom for 1st system</p>							

REMARKS Top Systems 5.0' Bottom, Lower Systems 4.0 Bottom

TYPE OF SOIL Design Top Systems for 16-24 minute rate

TESTED BY B. Baker

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 15 TRENCH WIDTH 3

INLET DEPTH 2.5' MAXIMUM BOTTOM DEPTH 4.5' SQ. FT./BEDROOM 240

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TAX MAP 8 PARCEL # 166

SIZE OF LOT _____ TYPE BLDG. _____
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SOIL PROFILE

(115)

Heavy Loam

14"

Sub Angular

Blocky Heavy

Loam

2'

Si Loam

Massive

Structure

5-100%

Rock

13'

Caving

Water

13.5'

(114)

Or Red Br

Heavy Si Loam

28"

Si Loam

Little

Rock

12'

30-40%

Saprolite

14'

(113)

Topsoil

16"

Si Loam

Little

Rock

9'

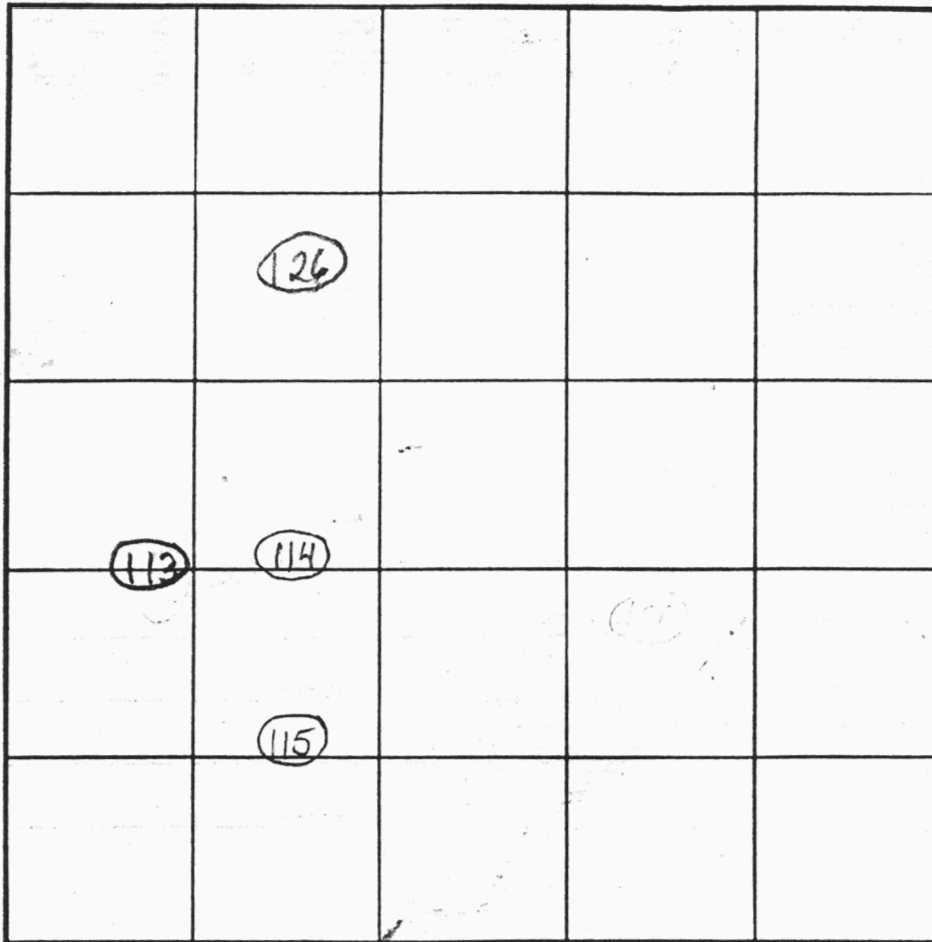
>50%

Saprolite

and

Rock

14'



SOIL PROFILE

(126)

Loam

2'

Very

Fine

Sa Loam

15-20%

Saprolite

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE:

Route 97

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/25/02	115	4'9"/135V	1:24	1:28:15	1:28:15	1:35:15	7 (E)
	114	5'/14'V	1:37	1:49	1:49	2:11	22
	113	4'10"/14'V	1:49:30	1:56:30	1:56:30	2:12:30	16
	126	4.5'/14.5'V	1:19:30	2:21:15	2:21:15	2:24:30	3min 15 sec

REMARKS

TYPE OF SOIL

TESTED BY

B. Baker

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

COUNTY #

SOIL PROFILE

0' (123)

Wet 12'

(124)

Water 13.5'

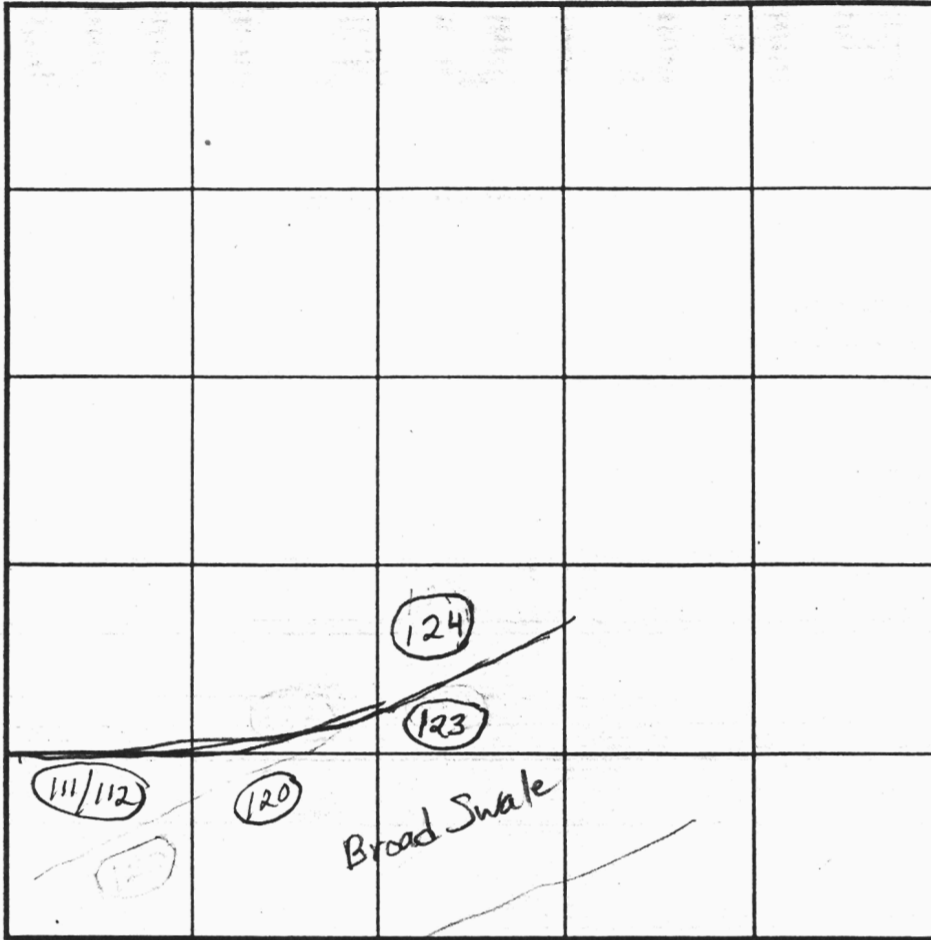
(120)

Pockets of >50% Rock

Mottling 9'

Seepage 10.5'

Water 12'



SOIL PROFILE

0' (111/112)

Topsoil 8"

Or Brown Loam 2'

White Sa Loam and Or Br Si Loam

~20% Saprolite

15'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 97

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/25/02	123	12'V					(F)	
	124	13.5'V					(F)	
	125	Covered by backhoe operator Reported Rock Failure						(F)
	120	12'V					(F)	
	111/112	5' / 15'V	3:07	3:10:10	3:10:10	3:16:10	6	

REMARKS _____

TYPE OF SOIL _____

TESTED BY D. DANF ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

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HULLS MILL RD. (DASHED)

N 16°28'33" E
675.55'

N 69°51'51" E
869.22'

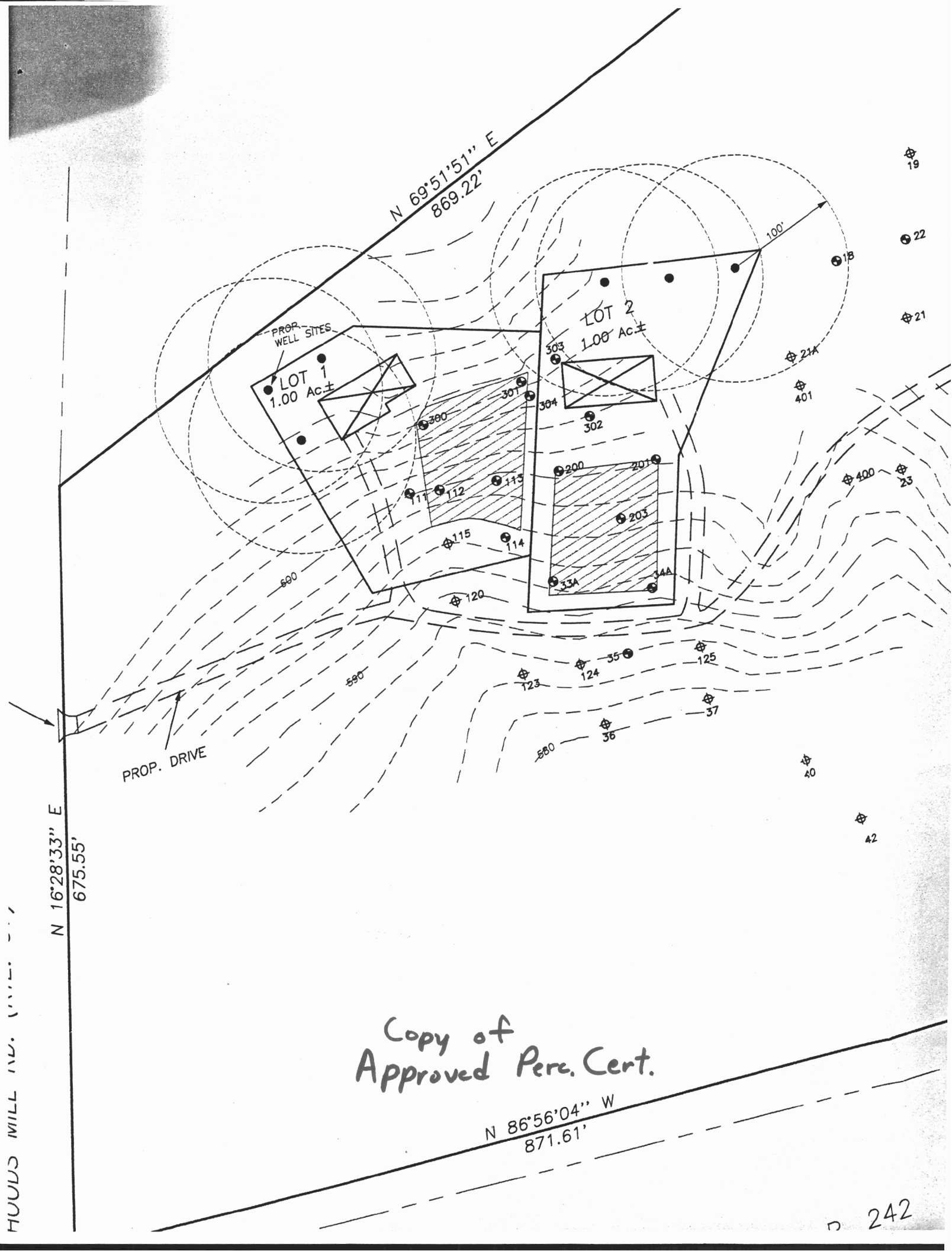
PROP. WELL SITES
LOT 1
1.00 AC ±

LOT 2
1.00 AC ±

PROP. DRIVE

Copy of
Approved Perc. Cent.

N 86°56'04" W
871.61'



THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL.

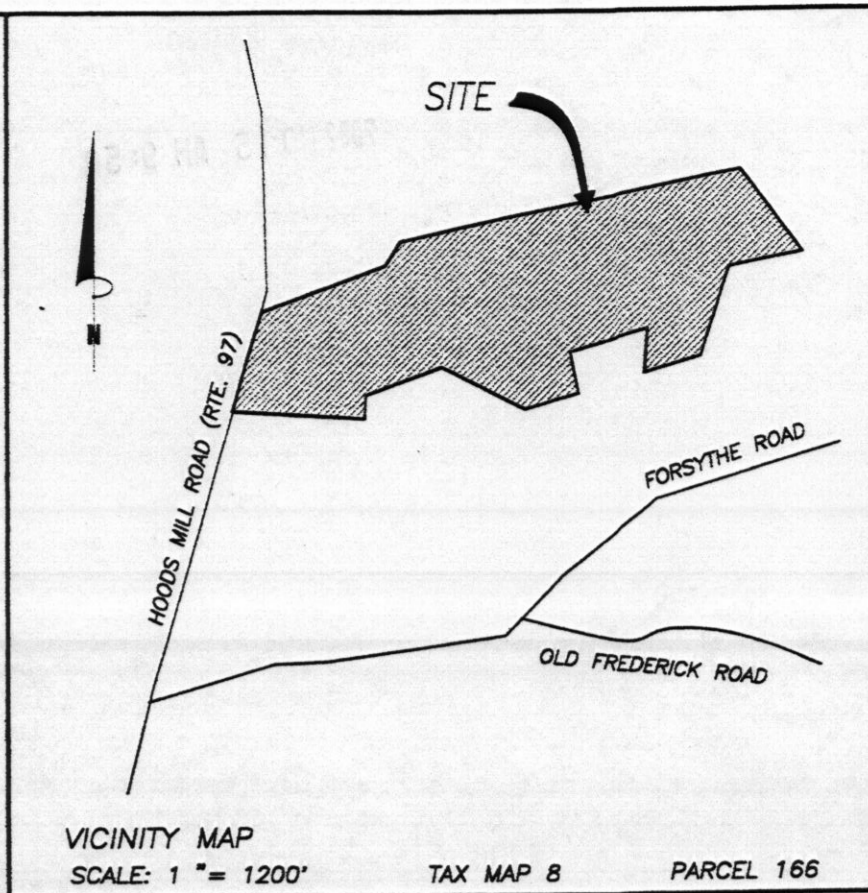
IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

EXISTING PERCOLATION TEST SITE: FAILED PASSED

EXISTING WELL:

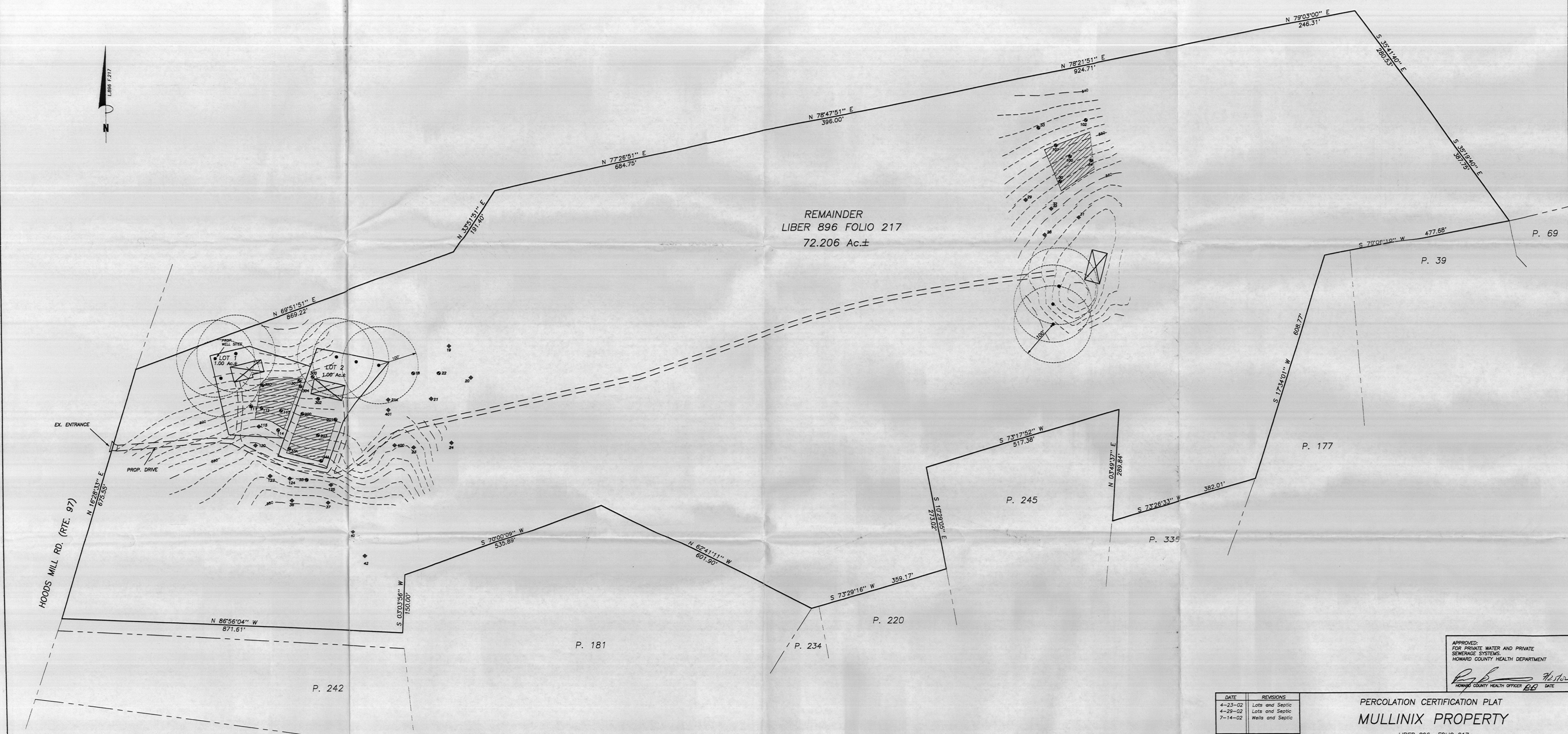
PROPOSED HOUSE SITE:

PROPOSED WELL SITE:



NOTES:
TOPOGRAPHY OBTAINED FROM HOWARD COUNTY (MAD 83).

68:11:00 61 7 2002



APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
R. B. Hester
HOWARD COUNTY HEALTH OFFICER

DATE	REVISIONS
4-23-02	Lots and Septic
4-29-02	Lots and Septic
7-14-02	Wells and Septic

PERCOLATION CERTIFICATION PLAT
MULLINIX PROPERTY

LIBER 896 FOLIO 217
SITUATED ON EAST SIDE OF HOODS MILL ROAD (RTE. 97)
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' APRIL, 2002

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
210 South Main Street, 7th and 8th Floors, Baltimore, Maryland 21201
(301) 829-2800 (301) 851-9618 (410) 546-2751

I HEREBY CERTIFY THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
I FURTHER CERTIFY THAT THE PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED IF EXISTING AND ACCURATELY STAKED IF PROPOSED AND SHOWN HEREON.

Sourabh G. Munshi 7/15/02
SOURABH G. MUNSHI, PROF. L. S., MD. REG. # 10770 DATE



FILE NUMBER: 11/14/2002-45/AL/02-45/04