

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 _____

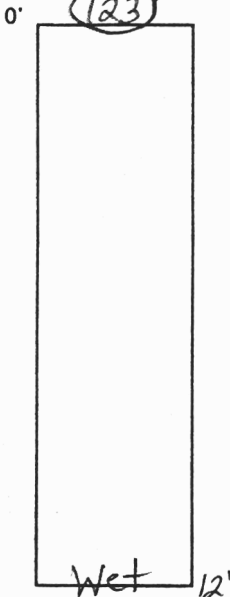
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

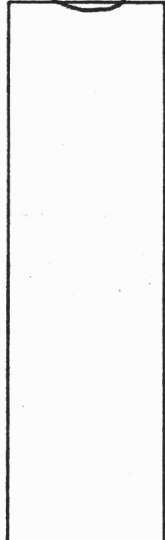
(123)



Wet

12'

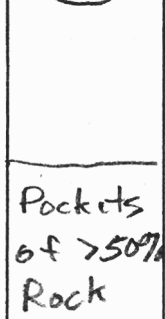
(124)



Water

13.5'

(120)



Pockets of >50% Rock

5'

Mottling

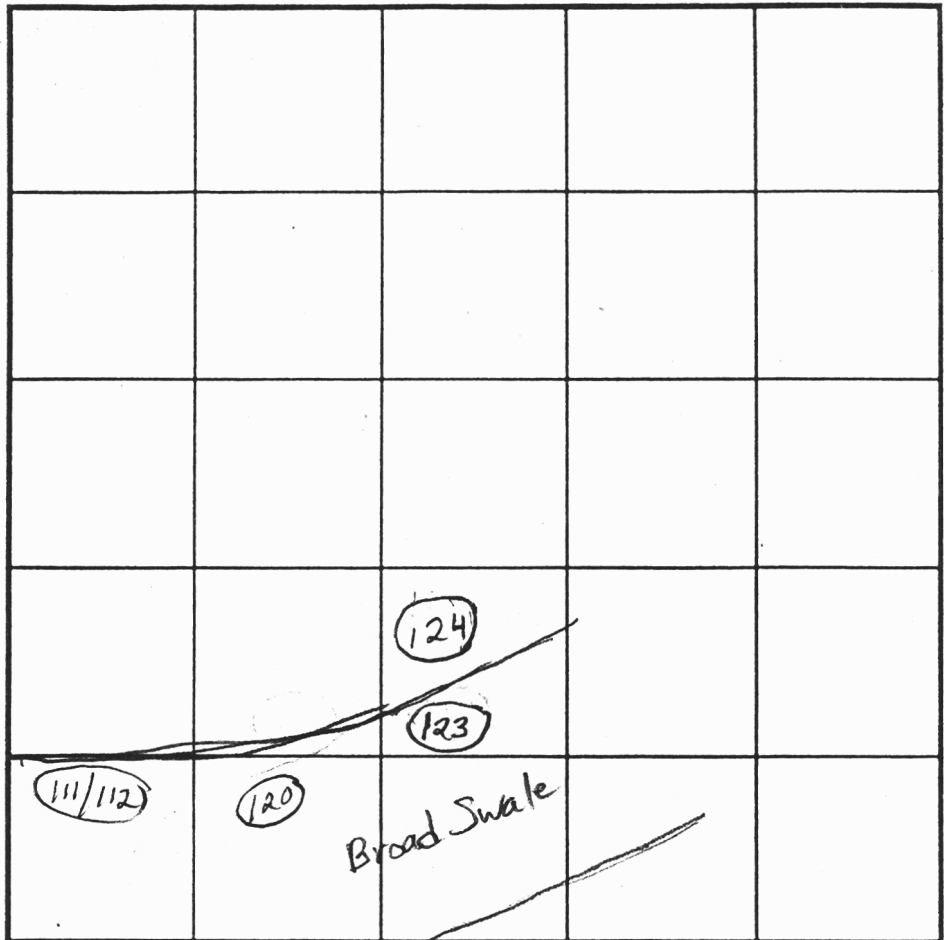
9'

Seepage

10.5'

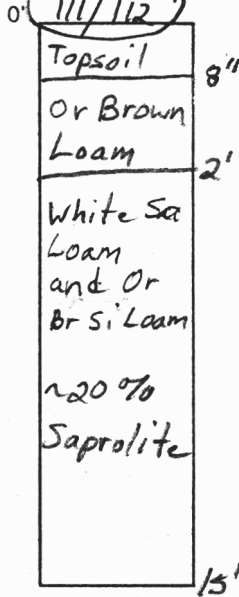
Water

12'



SOIL PROFILE

(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 B. Baker ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

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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 C.
14420 HOWARD RD. DAYTON, MD 21036
ADDRESS ~~EAST SIDE OF HOODS HILL (RT 97)~~ PHONE _____

AGENT OR PROSPECTIVE BUYER JOHN CONGEDO
ADDRESS 885 RT 97 COOKSVILLE 21723 PHONE 443-463-2717

PROPERTY LOCATION:

SUBDIVISION MULLINIX PROPERTY LOT NO. LOT 2
ROAD AND DESCRIPTION RT 97, 1/2 MILE NORTH OF ^{OLD} FREDERICK RD.

TAX MAP 8 PARCEL # 166

SIZE OF LOT 1 ACRE ± 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.

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COUNTY #

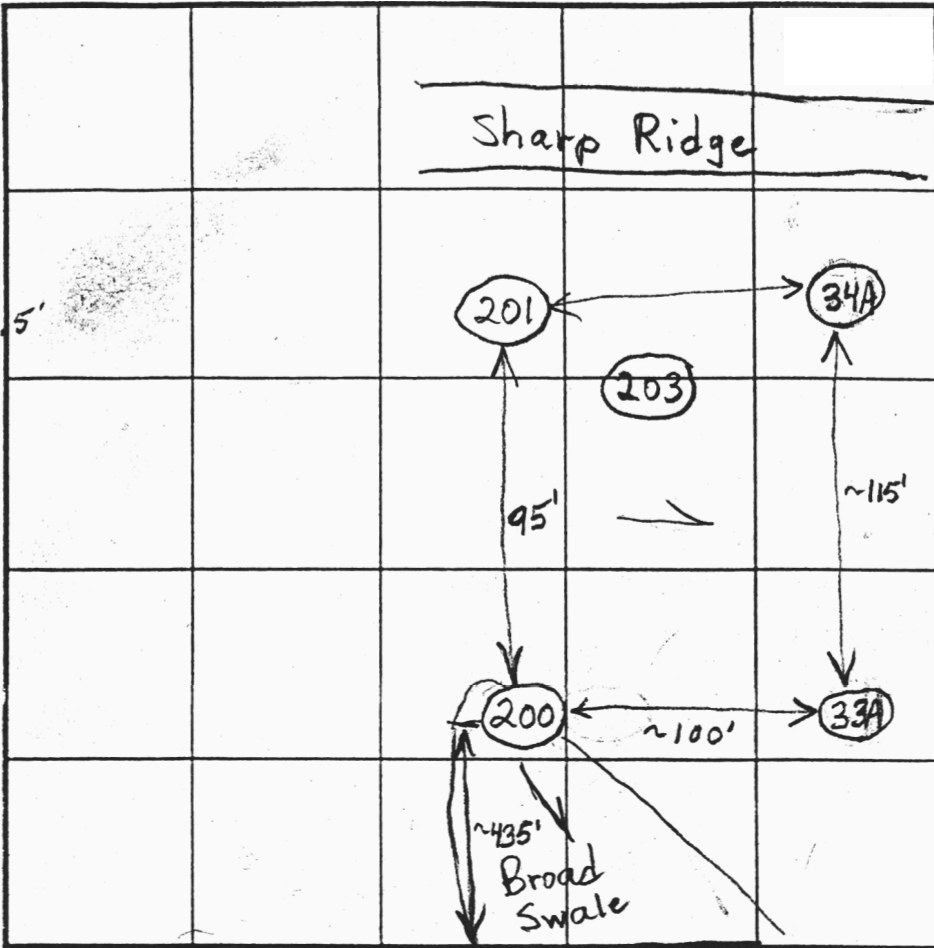
SOIL PROFILE

SOIL PROFILE

0' (200)
 Red Br Heavy Loam 3.5'
 Red and Or Brown Heavy Gravelly Loam 4-6.5'
 Light Br and White Sa Loams ~25% Rock 14'

(201)
 Red Br Heavy Loam 18"
 Red Br Loam 3'
 Or Brand Red Br Sa Loams Small 35-40% Rock Pockets ~15-20% avg. 6'
 Tan Sa Loam ~20% Rock 3.5'
 3 Wide Pocket of ~50% Rock from 7 1/2 - 11 1/2'

(203)
 Red Br Heavy Loam 18"-2'
 Red and Or Br Sa Loams 4 1/2' - 6' Small Pocket of ~50% Rock ~35% Rock Overall
 Tan Sa Loam 15-20% Rock 14'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 97

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/28/02	200	6' / 14" V	1:32	1:32:30	1:32:30	1:33:10	40 sec
		Repour	1:42:35	1:43:45	1:43:45	1:45:40	~2
		4.5-5'	1:41	1:42	1:42	1:47:45	~6
		4'	1:48:45	1:57	1:57	2:09	12
	201	7' / 13.5" V	2:29	2:31:15	2:31:15	2:34:45	3 1/2
		3.5'-4'	2:27	2:28:50	2:28:50	2:31:45	~3
	203	6' / 14" V	3:05	3:06:35	3:06:35	3:09:20	~3
		3.5'	3:05:30	3:14:30	3:14:30	3:29:30	15

REMARKS ~1' wide Test Holes No Hole 202
 TYPE OF SOIL Don't Move Further into swale with hole 200
 TESTED BY B. Baker ALSO PRESENT

TRENCH DESIGN DATA: WERAGE PERCUSSION
 INLET DEPTH MAXIMUM BOTTOM DEPTH SQ FT/BEDROOM

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DISTRICT _____

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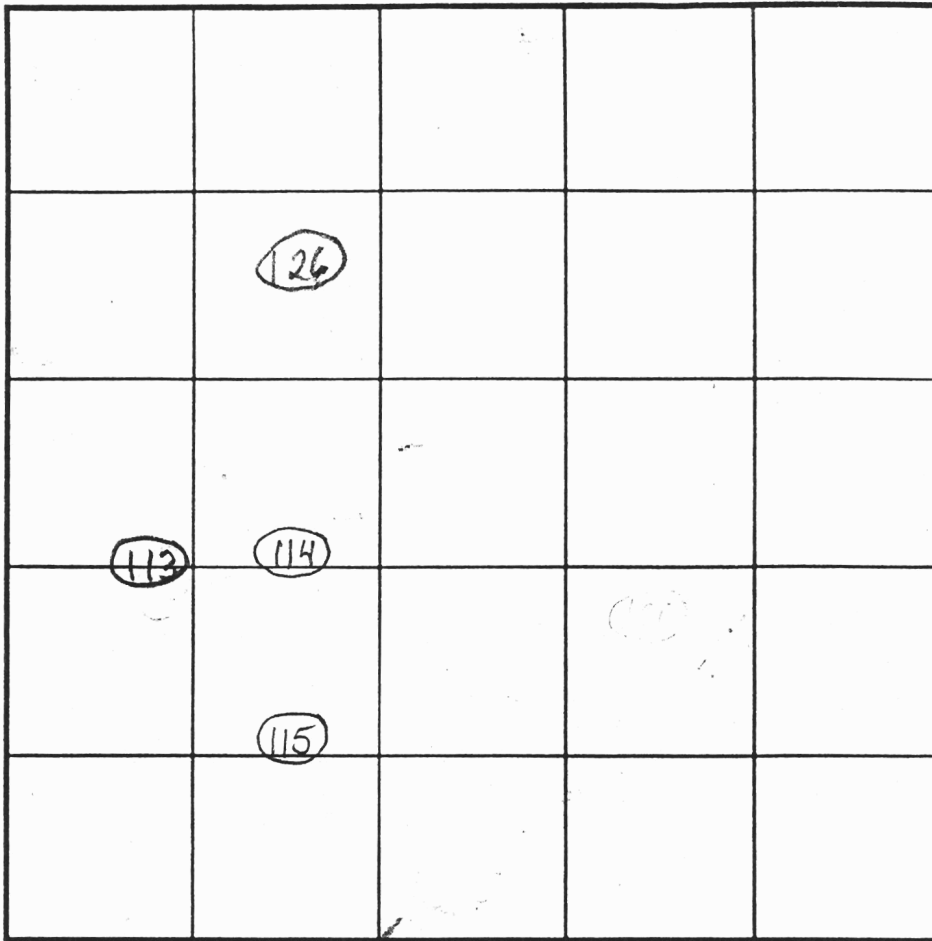
COUNTY #

SOIL PROFILE

SOIL PROFILE

0' (115)
 Heavy Loam 14"
 Sub Angular Blocky Heavy Loam 2'
 Si Loam Massive Structure
 5-100% Rock
 Caving 13'
 Water 13.5'

0' (126)
 Loam 2'
 Very Fine Sa Loam
 15-20% Saprolite



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 97

(114)
 Or Red Br Heavy Si Loam 28"
 Si Loam
 ~5% Rock
 Rock
 30-40% Saprolite
 12'
 14'

(113)
 Topsoil 16"
 Si Loam
 ~5% Rock
 Rock
 14'
 >50% Saprolite and Rock

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/25/02	115	4'9" / 135"	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 8 MAXIMUM BOTTOM DEPTH 8 SQ. FT./BEDROOM _____

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~~EAST SIDE OF HOODS HILL (RT 97)~~ PHONE _____

AGENT OR PROSPECTIVE BUYER JOHN CONGEDO

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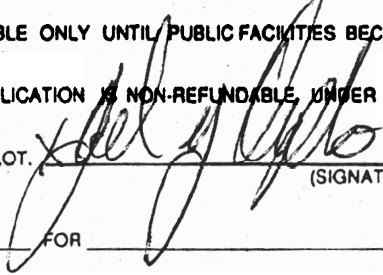
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COUNTY #

Lot 1

SOIL PROFILE

34A

Red Br Heavy Loam

2.5'

Light Br Sa Loam

~20% Rock

13.5'

35

Red Br Heavy Loam

2'-3'

Med Br Sa Loam

~35% Micaceous Rock Fragments

13'

36

Red Br Heavy Loam

3.5'

Med Br Sa Loam

25-30% Rock

8.5'

Dull Grey Coloring

Caving Water

12'

13'

SOIL PROFILE

37

Red Br Heavy Loam

3'

Beige Sa Loam

15-20% Rock

Dull Grey Coloring Below 11'

Undiggable Rock Hard Bottom

10.5'

11.5'

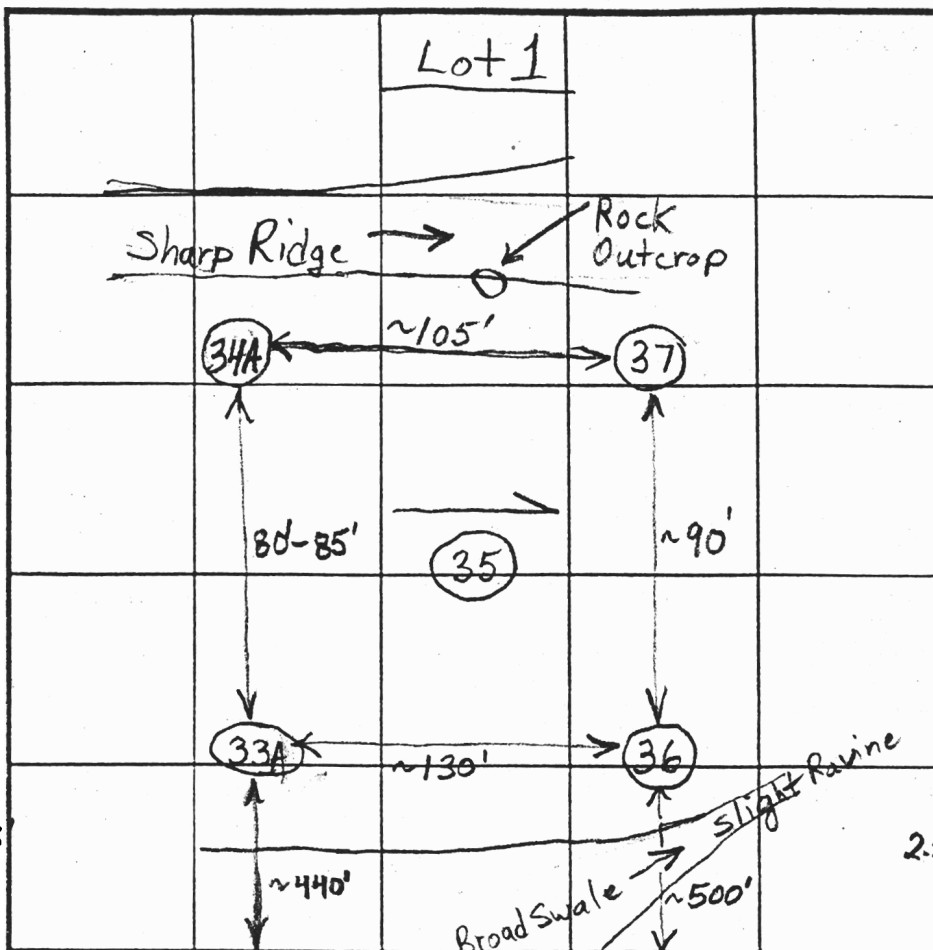
33A

Red Br Heavy Loam

Light Br Sa Loam

25-30% Rock

14'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 97

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
3/29/02	34A	6.5'/13.5'	11:01:15	11:08:00	11:08:00	11:18:00	10
		4'	11:02:30	11:09:00	11:09:00	11:17:00	8
	35	6.5'/13'	11:24:45	11:28:30	11:28:30	11:34:30	6
		3'-3.5'	11:24	11:27:45	11:27:45	11:34:45	8
	36	6.5'/13'	11:44	11:51:30	11:51:30	11:57:30	6
		3.5' - Little Movement 1/8" in 10-15 minutes					
	33A	4'/14'	1:17:30	1:26	1:26	1:39:30	13 1/2
		7'	1:17:45	1:21	1:21	1:27:30	6 1/2
	37	11.5'					(F)

REMARKS ~1' Wide Test Holes

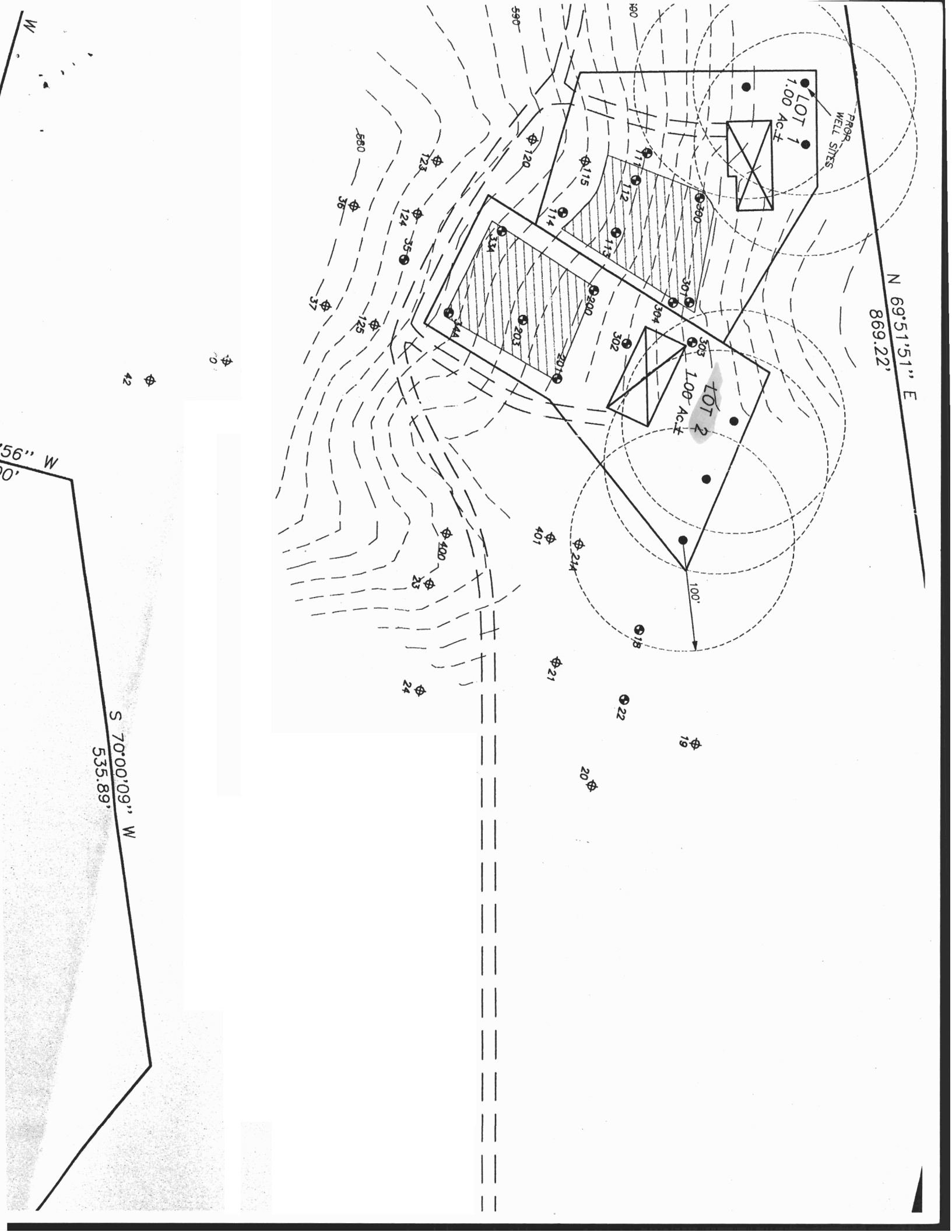
TYPE OF SOIL Shallow System

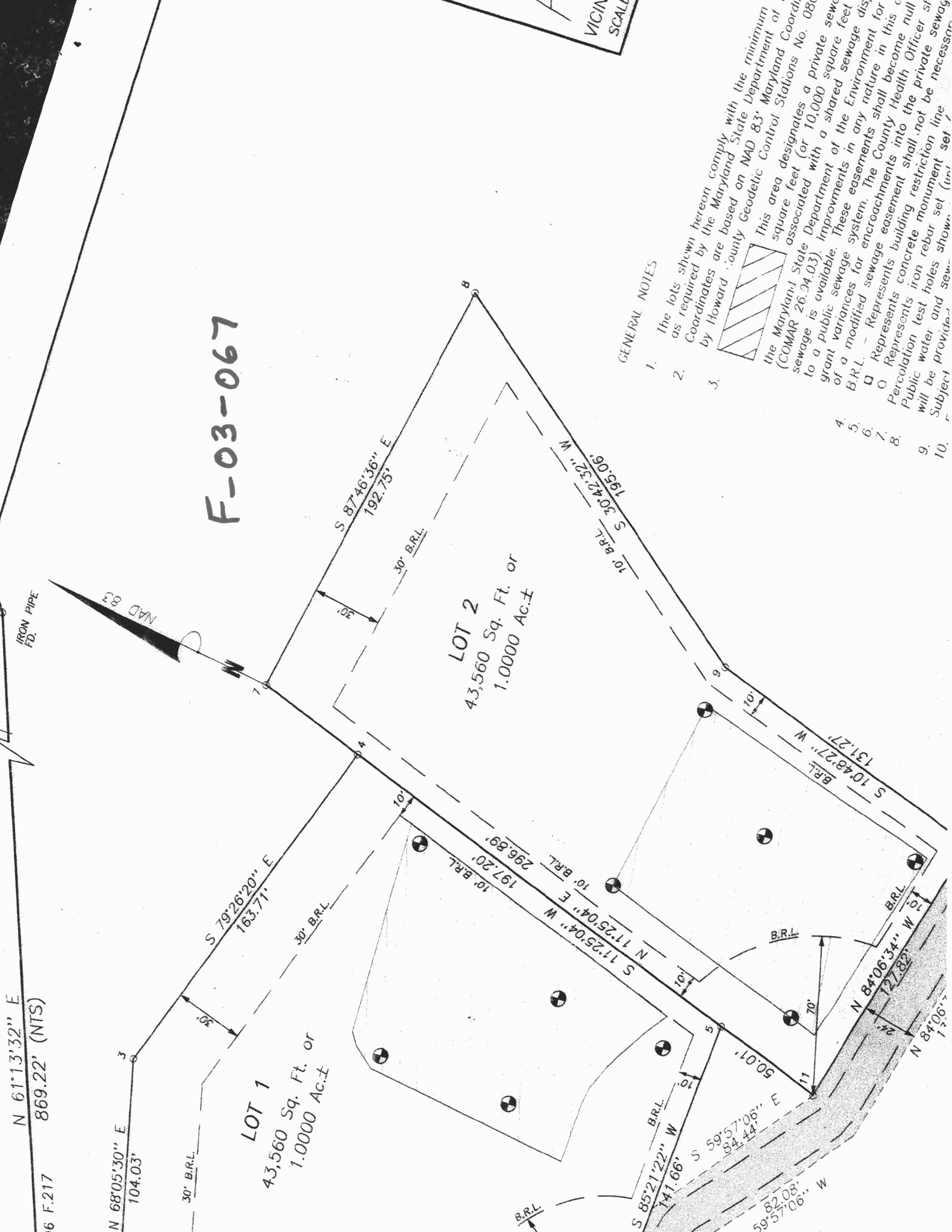
TESTED BY B. Baker

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM





F-03-067

IRON PIPE
FD.

NAD 83

LOT 1

43,560 Sq. Ft. or
1.0000 Ac.±

LOT 2

43,560 Sq. Ft. or
1.0000 Ac.±

VICIN
SCALE

GENERAL NOTES

1. The lots shown hereon comply with the minimum as required by the Maryland State Department of Coordinates are based on NAD 83 Maryland Coordinates by Howard County Geodetic Control Stations No. 08.
2. This area designates a private sewer square feet (or 10,000 square feet associated with a shared sewerage to a public sewerage system. These easements in any nature of a modified sewerage system. The County Health Officer shall represent building encroachments into the private sewerage system. The County Health Officer shall represent concrete building encroachments into the private sewerage system. The County Health Officer shall represent iron rebar set (in) will be provided and sewerage system shall not be necessary. Subject to the provisions of the above.
3. This area designates a private sewer square feet (or 10,000 square feet associated with a shared sewerage to a public sewerage system. These easements in any nature of a modified sewerage system. The County Health Officer shall represent building encroachments into the private sewerage system. The County Health Officer shall represent concrete building encroachments into the private sewerage system. The County Health Officer shall represent iron rebar set (in) will be provided and sewerage system shall not be necessary. Subject to the provisions of the above.
4. [Symbol]
5. [Symbol]
6. [Symbol]
7. [Symbol]
8. [Symbol]
9. [Symbol]
10. [Symbol]

N 61°13'32" E
869.22' (NTS)

N 68°05'30" E
104.03'

S 79°26'20" E
163.77'

S 87°46'36" E
192.75'

S 30°42'32" W
195.06'

S 10°48'27" W
131.27'

S 17°25'04" W
197.20'

N 17°25'04" E
296.89'

S 85°21'22" W
141.66'

S 59°57'06" E
94.44'

N 84°06'34" W
127.82'

N 84°06'34" W
133.67'

N 59°57'06" W
82.08'

30' B.R.L.

30' B.R.L.

30' B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

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.

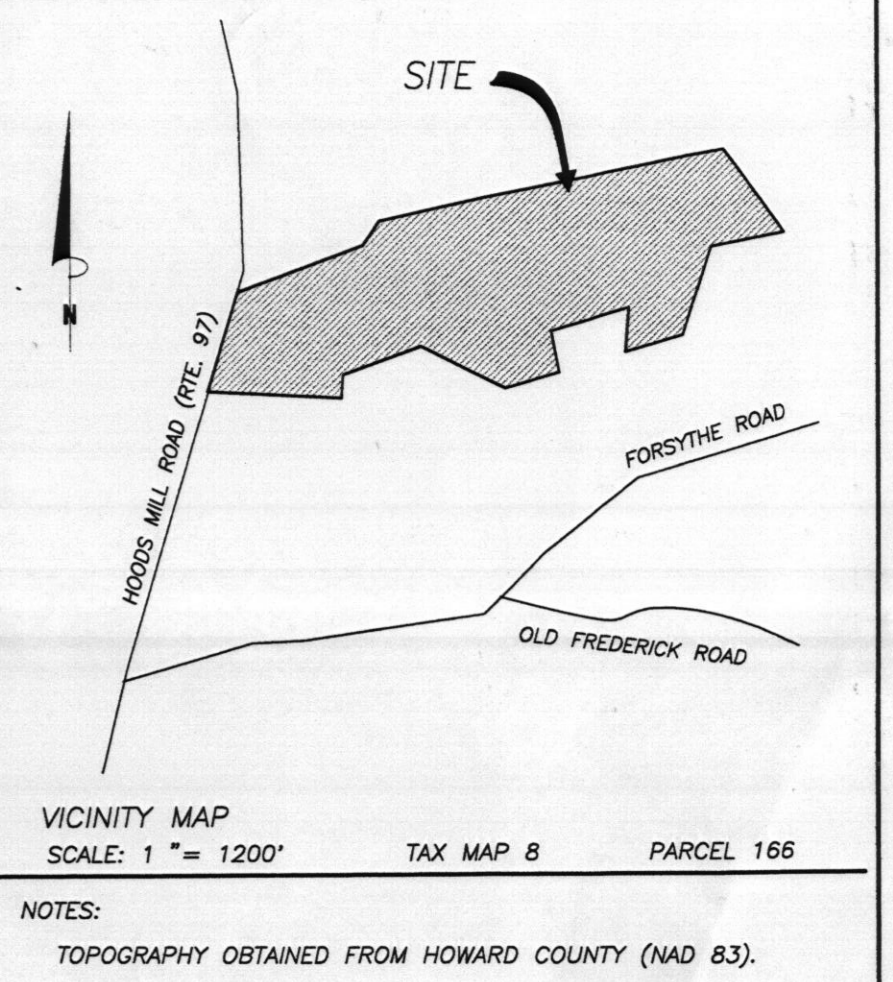
RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

EXISTING PERCOLATION TEST SITE: FAILED PASSED

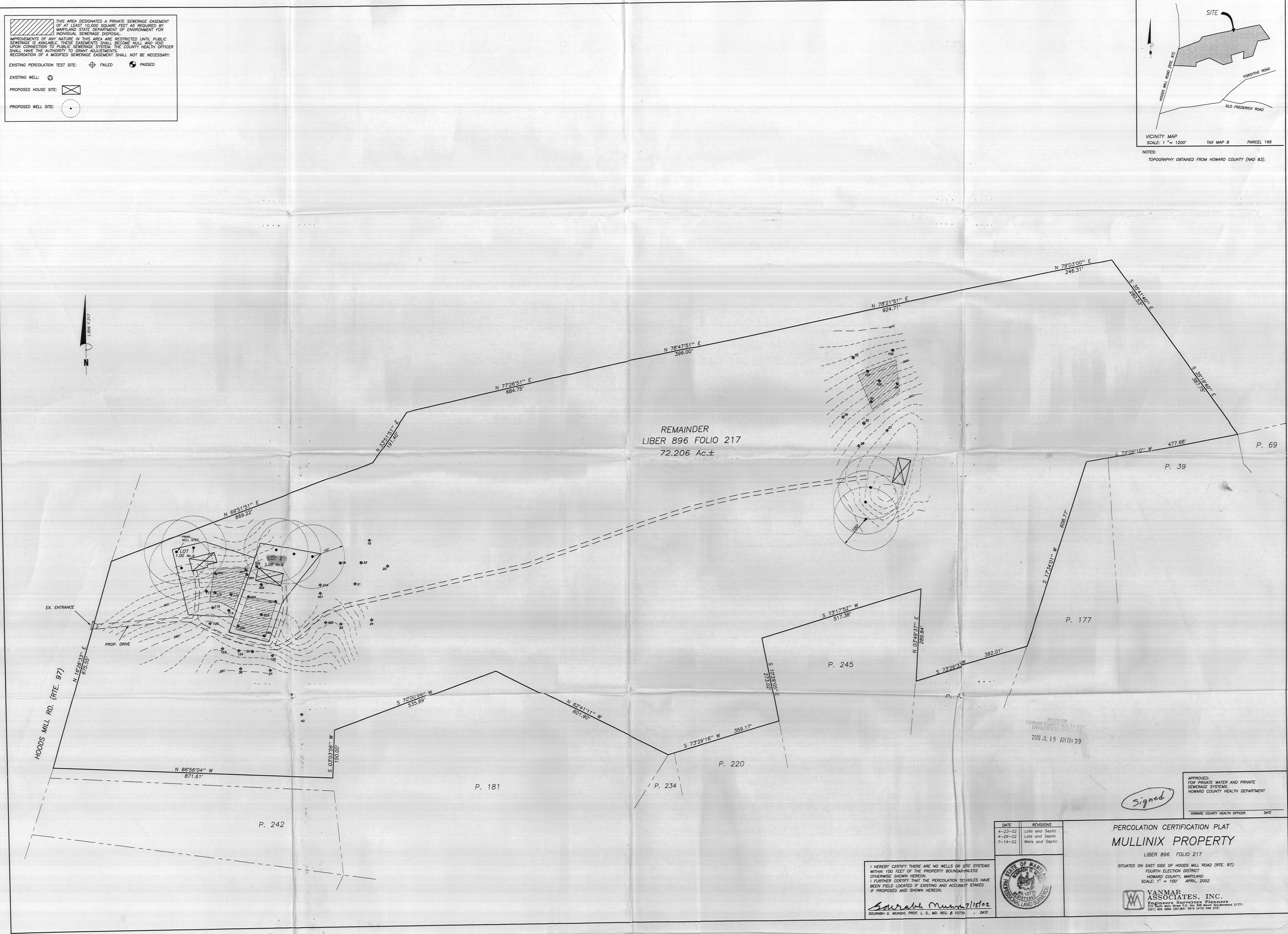
EXISTING WELL:

PROPOSED HOUSE SITE:

PROPOSED WELL SITE:



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



RECEIVED
HOWARD COUNTY HEALTH DEPT.
ENVIRONMENTAL HEALTH
2002 JUL 19 AM 11:39

APPROVED:
FOR PRIVATE WATER AND PRIVATE
SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Signed

HOWARD COUNTY HEALTH OFFICER DATE

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

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

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



VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
210 North West Street P.O. Box 228 Mount Airy, Maryland 21771
(301) 828-2886 (301) 828-2013 (410) 544-2751