

APPLICATION

PERCOLATION TESTING

A 515253

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 Charles Ellen MacNeille c/o Richard MacNeille

ADDRESS 4910 Massachusetts NW, Washington DC 20016 PHONE _____

AGENT OR PROSPECTIVE BUYER The Williamsburg Group

ADDRESS P.O. Box 1018 Columbia, MD 21044 PHONE (410) 997-8800

PROPERTY LOCATION: Attn: Mr. Robert Corbett

SUBDIVISION Millys Delight LOT NO. 5

ROAD AND DESCRIPTION Union Chapel Road

TAX MAP 14 PARCEL # 119 Grid 13

SIZE OF LOT 6.4 Acres ± 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.

(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

(109) (113)

Red Br
Sa Cl Loam

2.5'

Red Br
Sa Loam

Small
Pocket
of 40-50%
Rock from
4.5'-10.5'

~15-20%
Rock
Overall

12.5'

(110)

Red Br
Sa Cl
Loam

2.5'

Red Br
Sa Loam

~20%
Rock

5.5'

>50%
Rock

8.5'

Hard
Bottom

(111)

Red Br
sa cl
Loam

3'

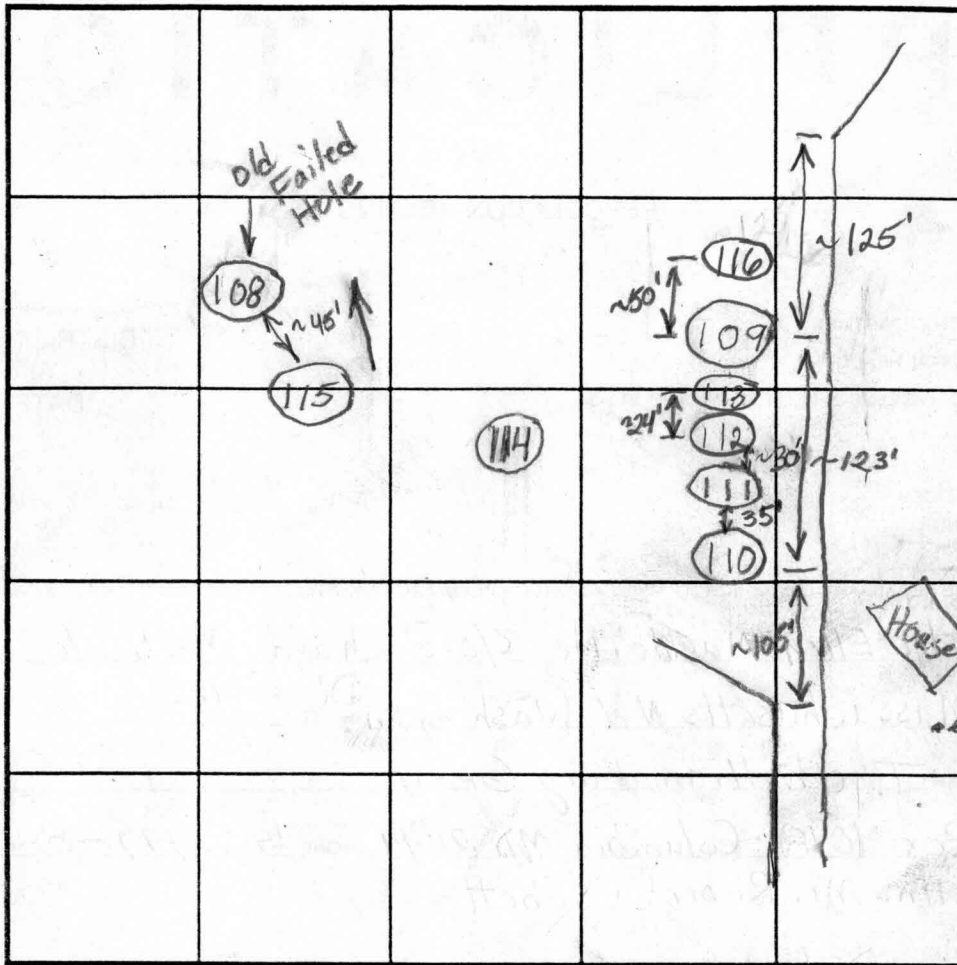
Light
Red Br
Sa Loam

5'

>50%
Rock

9.5'

Hard
Bottom



SOIL PROFILE

(112)

Red Br
Sa Cl
Loam

4'

Light Red
Br Sa
Loam

6'

>50%
Rock

11'

Well

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Union Chapel Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/27/01	109	6.5'/12.5'V	11:45	11:46	11:46	11:48:20	2 1/3 O.K.
	110	8.5'V	— See Profile —				(F)
	111	9.5'V	— See Profile —				(F)
	112	11'V	— See Profile —				(F)
	113	4'/13'V	1:32	1:33	1:33	1:34:30	1 1/2 O.K.
	114						

REMARKS Holes 110, 111 and 112 failed, insufficient depth to
Holes 109 and 113 are OK. bed rock.

TESTED BY B. Baker ALSO PRESENT Mike Johnson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

7/14
6/29/01
10:00

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

DISTRICT _____

DATE 5/22/2001

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 CHARLES ELLER MACNEILLE 46 RICHARD MACNEILLE

ADDRESS 4910 MASSCHUSSETTS NW 215 WASHINGTON DC 20016 PHONE _____

AGENT OR PROSPECTIVE BUYER THE WILLIAMSBURG GROUP

ADDRESS P.O. Box 1018 Columbia MD. 21044 PHONE (410) 997-8800
ATTN: Mr. Robert Corbett.

PROPERTY LOCATION:

SUBDIVISION MILLYS DELIGHT LOT NO. 5

ROAD AND DESCRIPTION union chapel road

TAX MAP 14 PARCEL # 119 GRID # 13

SIZE OF LOT 6.4 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.

Lacharia Y. Fisch (Agent)
5/22/01
(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

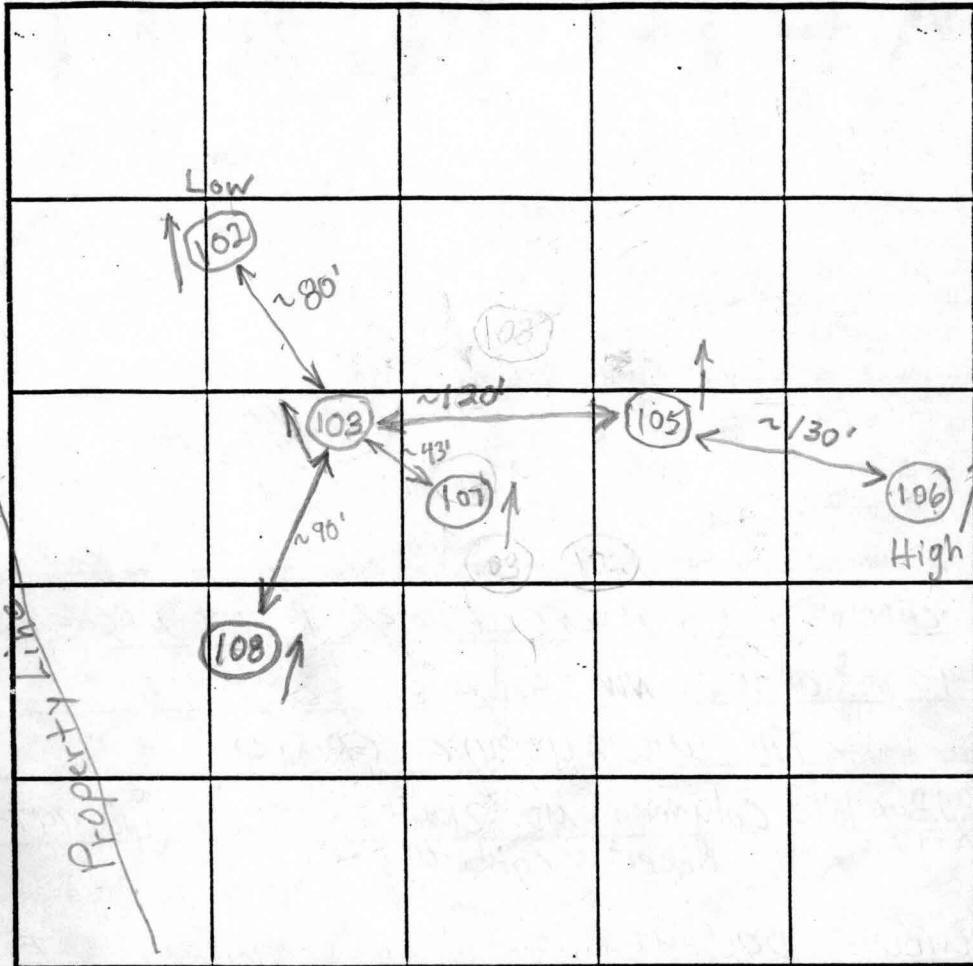
COUNTY #

SOIL PROFILE

0' (103)
 Br SaCl Loam
 2' Red Br Sa Cl Loam
 40-50% Rock
 7' >50% Rock

SOIL PROFILE

0' (106)
 Brown SaCl Loam
 2' Red Br Sa Cl Loam
 6' >50% Rock
 9' Hard Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Union Chapel Road

(102)
 15'-2' Br Sa Cl Loam
 4' Red Br Sa Cl Loam
 Light Br Sa Loam to Bottom
 4.5' Pockets of >50% Rock to Bottom
 11' Hard Bottom

(105)
 15'-2' Red Br Sa Cl Loam to Bottom
 40-50% Rock
 10' >50% Rock
 10.5' Hard Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/29/01	103	7' V	Insufficient Depth To Bedrock		→ (F)		
	102	11' V	Insufficient Depth To Bedrock		→ (F)		
	105	10.5' V	questionable				
	106	9' V	Insufficient Depth To Bedrock		→ (F)		
	107	6.5' V	>50% Rock starting at 4'		→ (F)		
	108	6.0' V	Hard Bottom at 6'		→ (F)		

REMARKS Holes 102, 103, 106, 107 and 108 Failed Due To Rock
 TYPE OF SOIL Hole 105 is very questionable because of rock
 TESTED BY B. Baker ALSO PRESENT Mike Johnson
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

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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

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PROPERTY OWNER _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Millys Delight LOT NO. 5

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(SIGNATURE OF APPLICANT)

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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

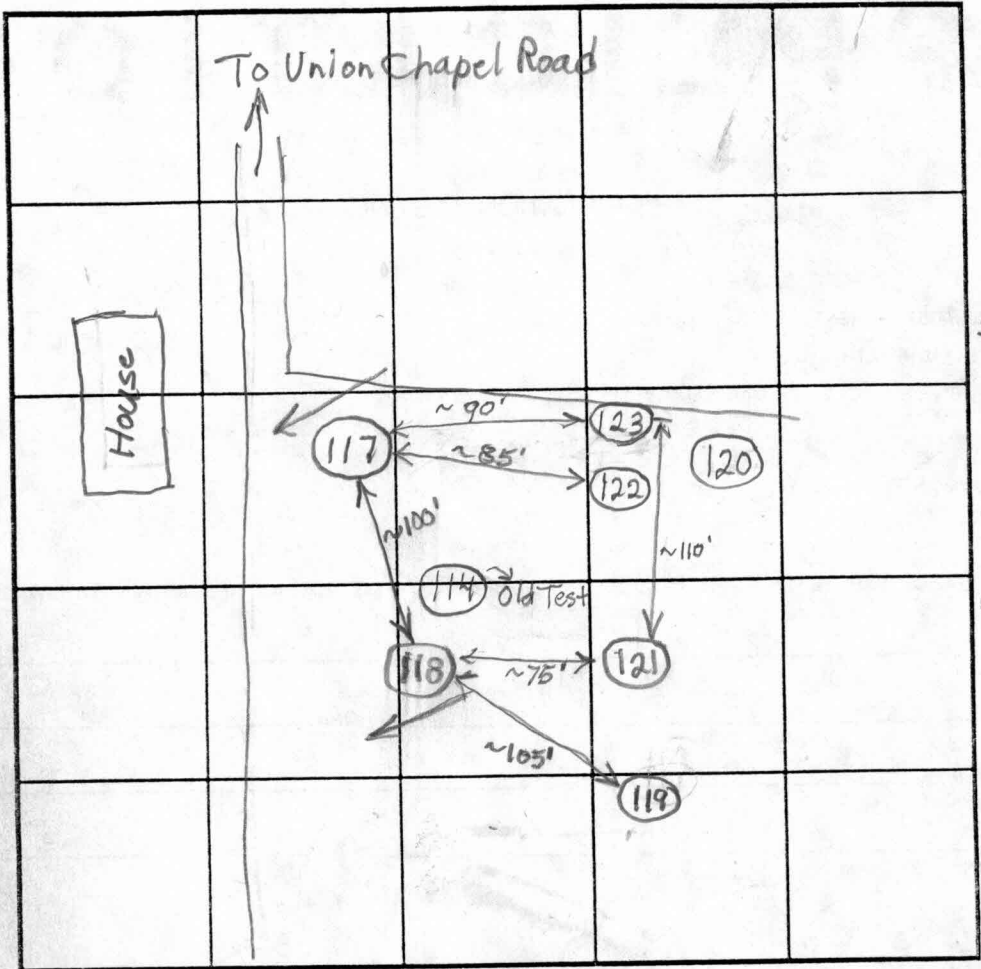
0' (117)
 Top Soil and Red Br Cl Loam
 3' Light Red Br
 Sa Cl Loam
 8.5' and Sa Loam
 Light Red Br Sa Loam
 10-15% Rock
 13.5'

(118)

3' Red Br Si Cl Loam + Topsoil
 Light Br Si Loam
 6' Med Br Sa Loam
 10-15% Rock
 13' 30-40% Rock
 14'

(119)

4' Red Br Cl Loam Patches of 50% Rock
 Red Br Sa Cl Loam ~20% Rock
 6' Light Br Sa Loam
 >50% Rock
 11.5' Hard Bottom



SOIL PROFILE

0' (120)
 Red Br Cl Loam
 4' Or Br Sa Cl Loam
 5.5' Red Br Sa Loam
 10-15% Rock
 6'-7' >50% Rock
 9.5' Hard Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/26/01	117	5.5'/13.5'	10:24	10:26	10:26	10:29	3
	118	4.5'/14'	10:41	10:44	10:44	10:49	5
	119	11.5'					F
	120	4'/9.5'	11:03	Pulled, Slow			F
May Be OK to Shift Hole 117 Towards Union Chapel Road							

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY _____ ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

APPLICATION

PERCOLATION TESTING

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

A _____
P _____
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 _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Millys Delight LOT NO. 5

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0' (121)
 Red Br
 Cl Loam

3'
 Or Br Sa
 cl Loam

5.5'
 Red Br
 Sa Loam

Pocket
 of ~40%
 Rock

5'-11"
 > 50% Rock

11.5'
 Hard
 Bottom

(122)

Red Br
 Cl Loam

4'
 Or Br Sa
 Cl Loam

5.5'
 Light Br
 Sa Loam

7.5'-8'
 Close to
 50% Rock

9'
 > 50%
 Rock

11'

(123)

Red Br
 Cl Loam

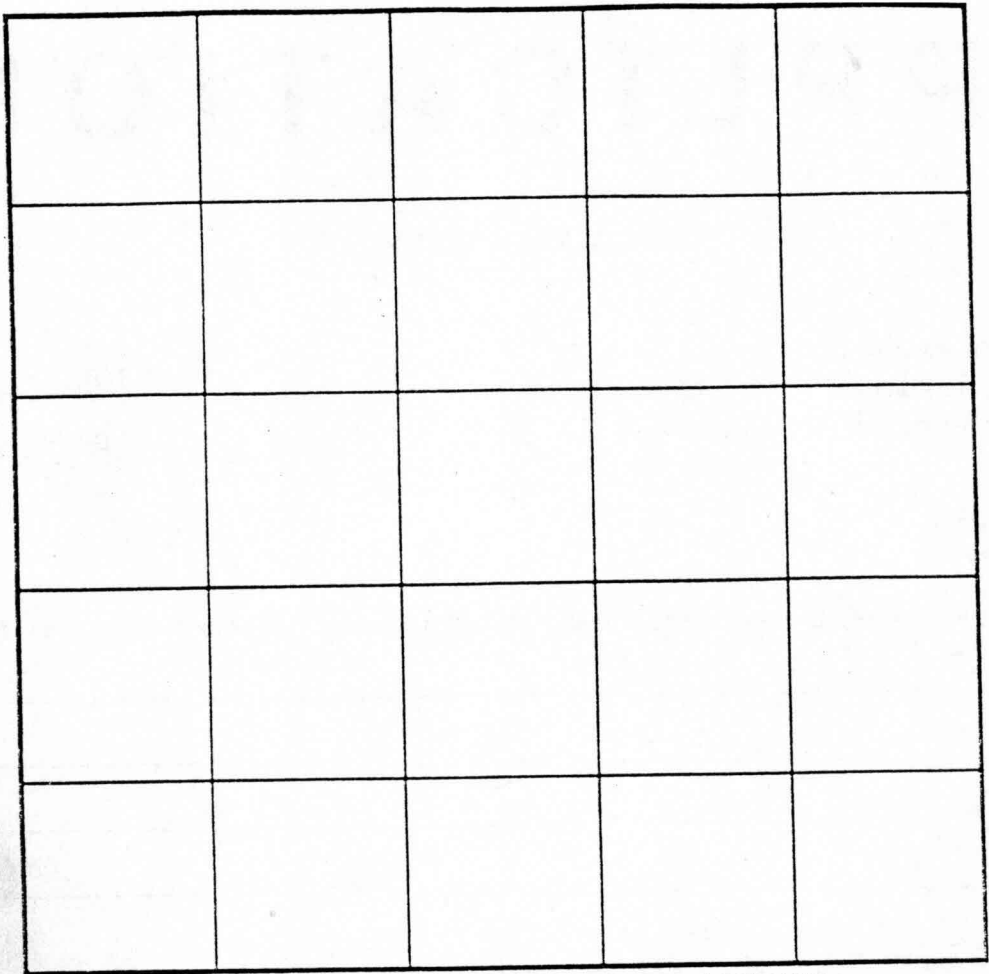
3.5'
 Red Br Sa
 Cl Loam

4.5'-5'

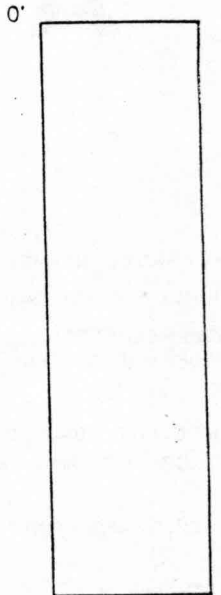
7.5'
 ~ 40%
 Rock

8.5'
 > 50%
 Rock

10.5'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/26/01	121	4.5'/11.5'v	11:40	11:42	11:42	11:46	4	
		Don't Move Outside of This Hole						
	122	4.5'/11'v	12:06	12:11	12:11	12:18	7	
	123	4' / 10.5'v	12:37	12:43	12:43	1:00	17	
		Don't Move Outside These Holes						

OK

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

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TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER MacNeille

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER Roger Corbett - Williamsburg Group

ADDRESS _____ PHONE (410) 997-8800

PROPERTY LOCATION:

SUBDIVISION Millys Delight LOT NO. 5

ROAD AND DESCRIPTION Union Chapel Road

TAX MAP 14 PARCEL # 119 Grid 13

SIZE OF LOT 0.4 Acres ± TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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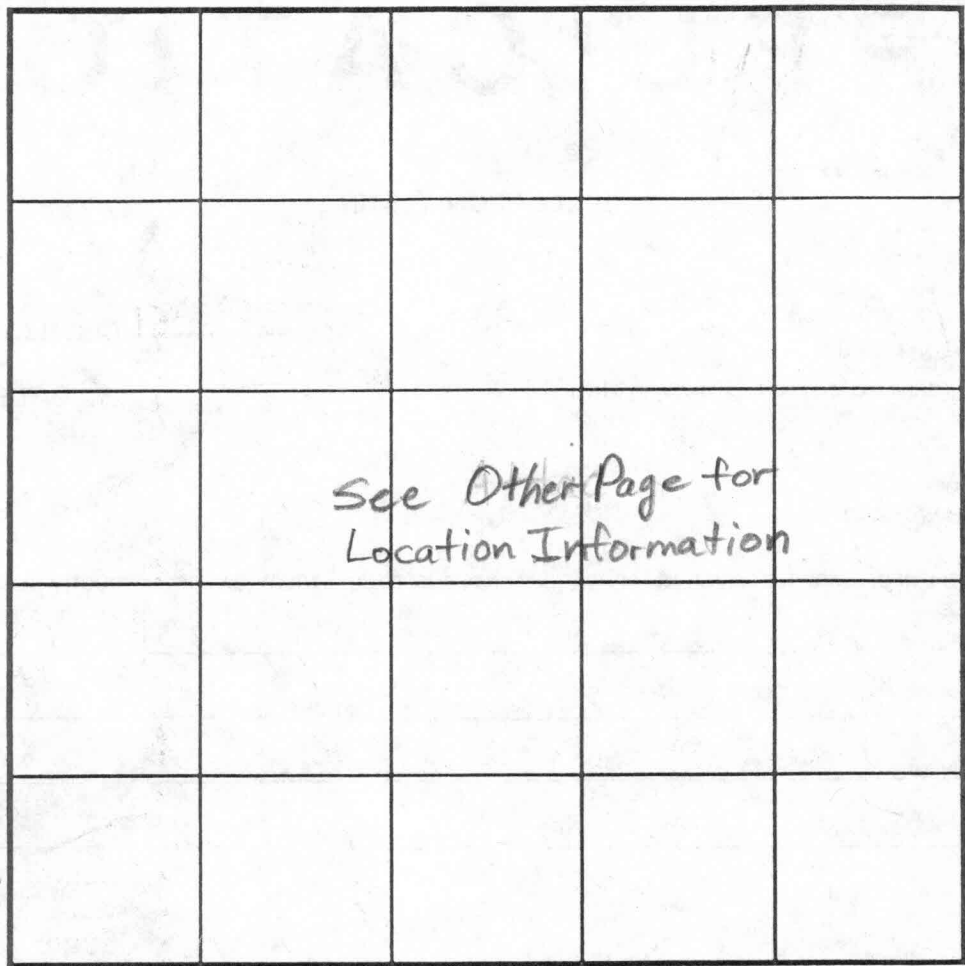
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

0'
 Red Br
 Sa cl
 Loam

40"
 Light
 Red Br
 Sa Loam

~10%
 Rock

13'
 Hard
 Bottom

Red Br
 Clay Loam

Rocky To Bottom

4.5'
 Light Br
 Sa cl
 Loam

5'
 Hard
 Bottom

Red Br
 Sa cl Loam

40-50%
 Rock
 Below 2'

3'
 Red Br
 Sa Loam

5.5'
 Hard
 Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/27/01	114	44"/13'V	2:14	2:15	2:15	2:18	3
	115	5'V	Insufficient Depth to Bedrock				(F)
	116	5.5'V	Insufficient Depth to Bedrock				(F)

OK

REMARKS Holes 115 and 116 failed for rock.

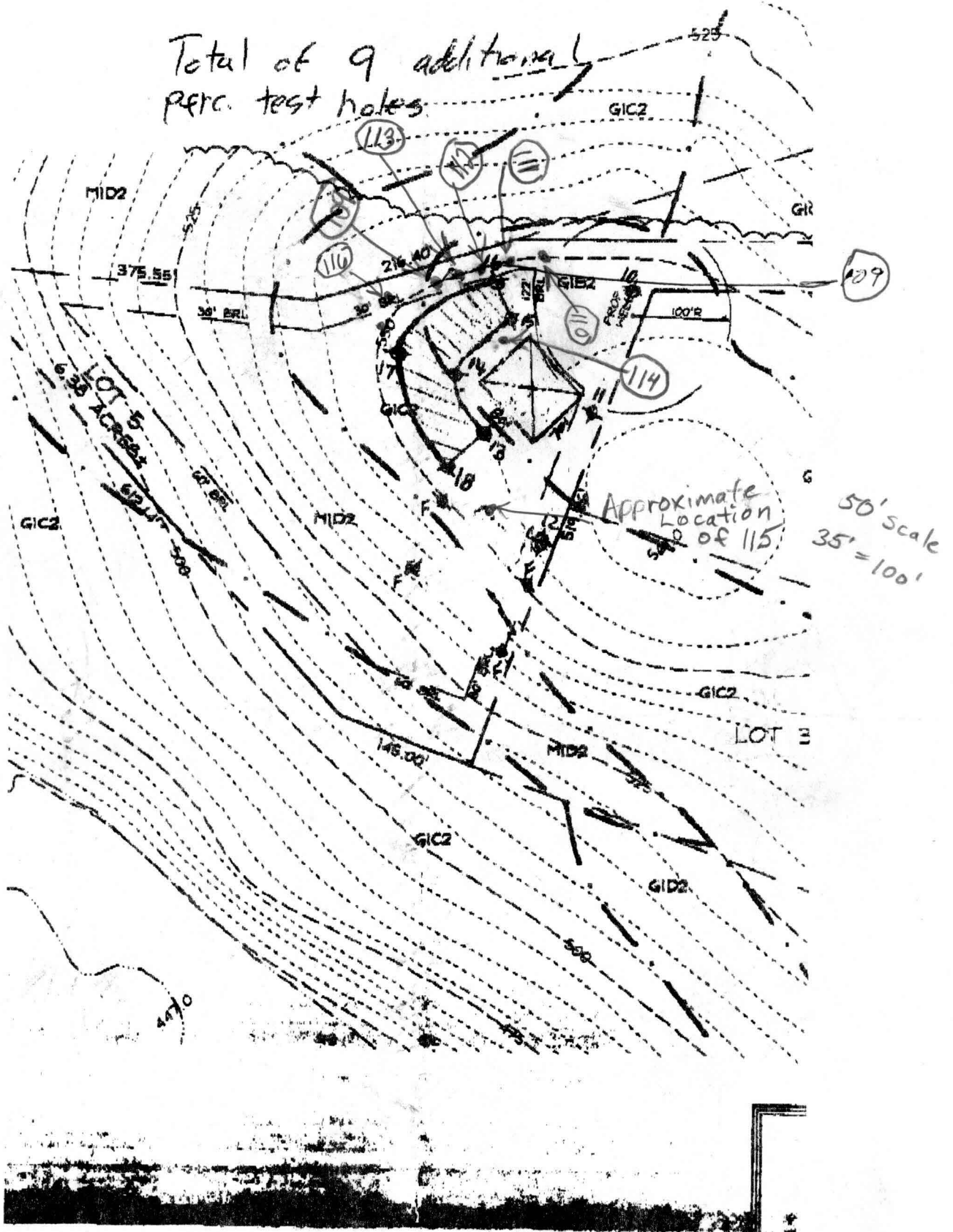
TYPE OF SOIL Hole 114 was O.K.

TESTED BY B. Baker ALSO PRESENT Mike Johnson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

Total of 9 additional perc. test holes



Millys Delight - Lot 5

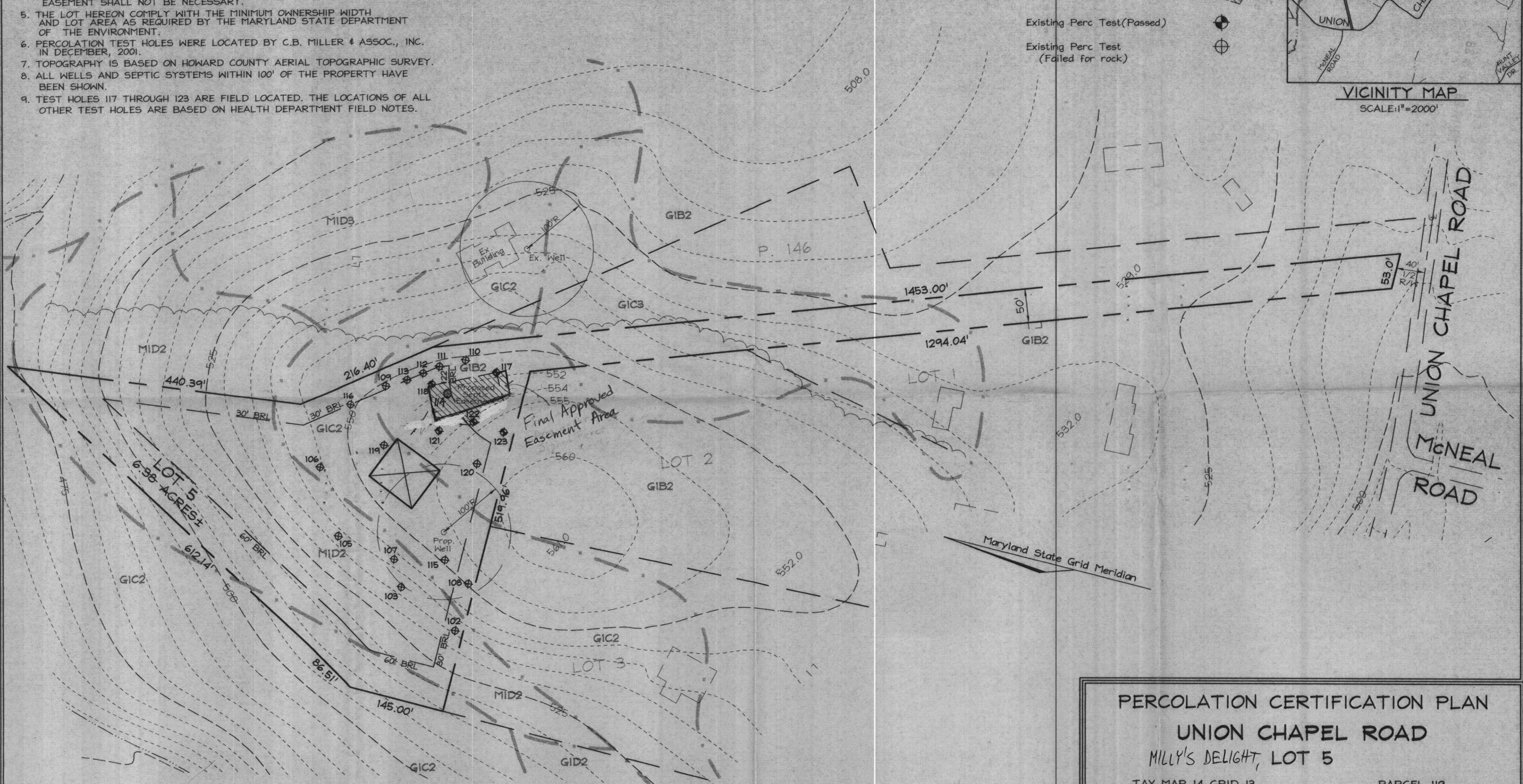
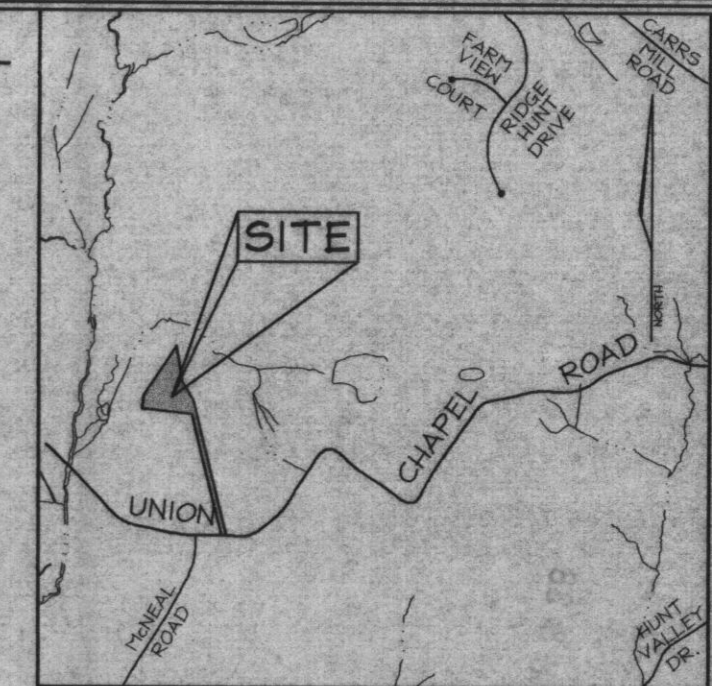
GENERAL NOTES:

- SUBJECT PROPERTY ZONED: RC-DEO
- TOTAL AREA OF PROPERTY: 6.38 ACRES±
- PRIVATE WATER AND SEWER WILL BE UTILIZED FOR THIS SITE
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWER DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENTS. RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
- THE LOT HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- PERCOLATION TEST HOLES WERE LOCATED BY C.B. MILLER & ASSOC., INC. IN DECEMBER, 2001.
- TOPOGRAPHY IS BASED ON HOWARD COUNTY AERIAL TOPOGRAPHIC SURVEY.
- ALL WELLS AND SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY HAVE BEEN SHOWN.
- TEST HOLES 117 THROUGH 123 ARE FIELD LOCATED. THE LOCATIONS OF ALL OTHER TEST HOLES ARE BASED ON HEALTH DEPARTMENT FIELD NOTES.

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
GIB2	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B
GIC2	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B
GIC3	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	B
MID2	MANOR LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	B

LEGEND

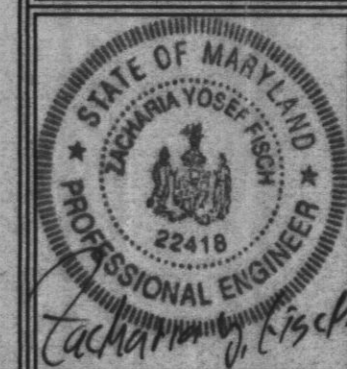
- Existing Contour
- Ex. Spot Elevation
- Existing Trees
- Proposed House Site
- Proposed Septic Area
- Existing Perc Test (Passed)
- Existing Perc Test (Failed for rock)



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

Barbara Miller
 COUNTY HEALTH OFFICER
 3-28-02
 DATE

PERCOLATION CERTIFICATION PLAN
 UNION CHAPEL ROAD
 MILLY'S DELIGHT, LOT 5
 TAX MAP 14 GRID 13 PARCEL 119
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



FSH Associates
 Engineers Planners Surveyors
 8318 Forrest Street Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: FSHAssociates@cs.com

DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: ZYF
 SCALE: 1"=100'
 DATE: Mar. 21, 2002
 W.O. No.: 3068
 SHEET No. 1 OF 1

PC 515253