

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE 461-9933

DISTRICT 6TH

DATE October 12, 1989

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Arthur Chen

ADDRESS 2141 Industrial Pky. #200, Silver Spring, Md. 20904 PHONE 680-0033

PROSPECTIVE BUYER Unknown

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Clifton C. Link Property, A Replat. of Lot 2 LOT NO. \* 8+9

ROAD AND DESCRIPTION North side of Nichols Drive

TAX MAP 34 PARCEL # 370

SIZE OF LOT 3.00 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. X Arthur Chen  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT

P676 ~ WETHA R BUR N

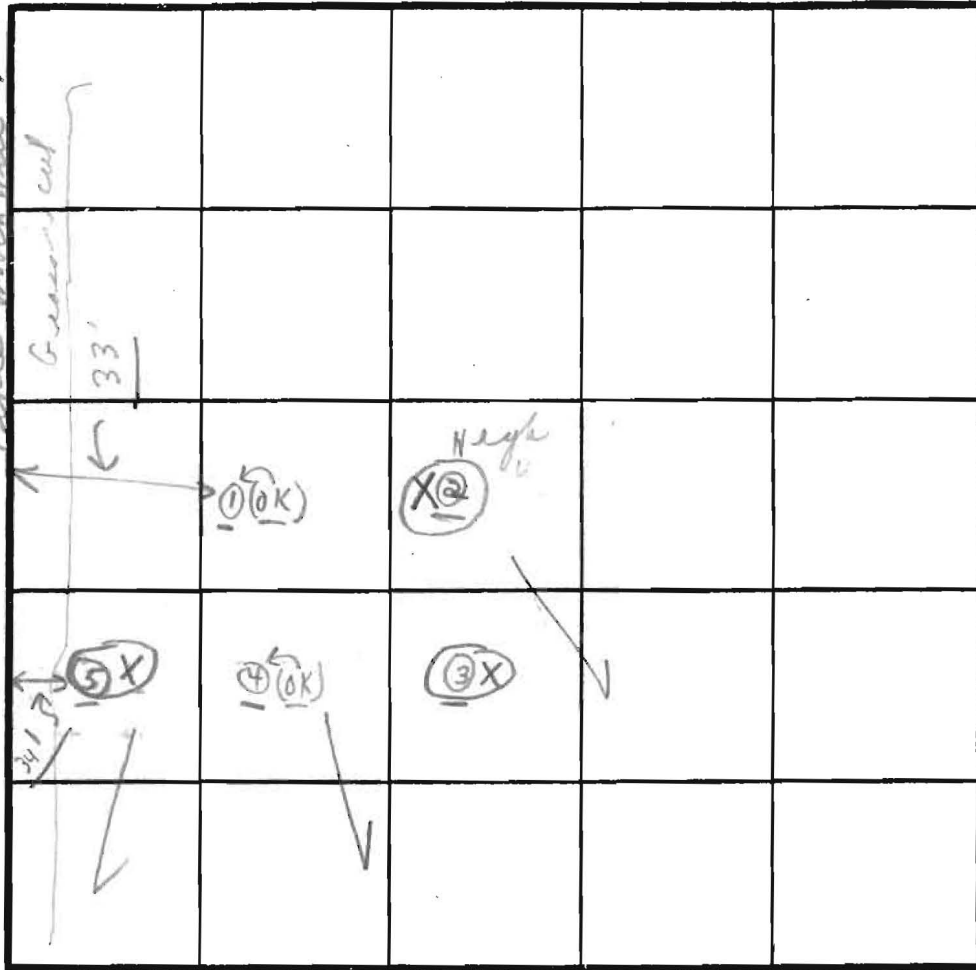
A 45307

#4 OK  
Retest

SOIL PROFILE

4' CLAY  
①  
4 1/2' ±  
1 1/2'  
LOAM

Facing Water Way



#3 X

SOIL PROFILE

4 1/2' CLAY  
CLAY 55% ±  
+ LOAM 45% ±  
4 1/2' ±  
1 1/2'  
X  
X  
X  
Too SLOW

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

#4 OK

SOIL PROFILE  
0 - 4 1/2' CLAY  
4 1/2' - 12'  
Sandy Loam

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		(min) TIME	
			START	STOP	START	STOP		
2/28/90	① OK	4 1/2'	11:35	11:42	11:42	11:52	10 min	
	② X	11 1/2'	← LO	AM	→	etc		
	③ X	4 1/2'	11:40	12:03	12:02	12:18	1/3 in XXX	
	④ OK	12'	11:46	12:18	12:18	12:48	1/2 in XXX	
	⑤ X	4 1/2'	12:39	(1:07) wet found NO MOVEMENT			XX	
	⑥ X	11 10"	50% CLAY + LOAM + MICHA (GUM)		50% ±		XXX	
	⑦ OK	4 1/2'	12:04	12:07	12:07	12:13	6 min	
	⑧ X	12'	(DRY - SANDY LOAM)					
	⑨ X	4 1/2'	12:15	12:36	12:36	12:48	1:06 ± 1/2 in XXX	
	⑩ Low Hole	10 1/2'	(Water below LOAM)					

#3 X

SOIL PROFILE

4 1/2' CLAY  
55%  
± 5%  
CLAY AND  
55%  
± 5%  
LOAM  
X  
X  
XX  
Too SLOW

REMARKS

2/28/90 Tests on open area of test  
Tests per stakes; tests in high grass

TYPE OF SOIL

TESTED BY

C.B.A.

ALSO PRESENT

① PETER WENDEBURN  
③ MR. CHEN

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_  
P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE 461-9933

DISTRICT 6TH  
DATE October 12, 1989

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER: Arthur Chen  
ADDRESS: 2141 Industrial Pky. #200, Silver Spring, Md. 20904 PHONE 680-0033

PROSPECTIVE BUYER: Unknown  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

PROPERTY LOCATION:  
SUBDIVISION: Clifton C. Link Property, A Result of Lot 2 LOT NO. 59  
ROAD AND DESCRIPTION: North side of Nichols Drive

TAX MAP: 34 PARCEL #: 370  
SIZE OF LOT: 3.00 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.  [Signature]  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

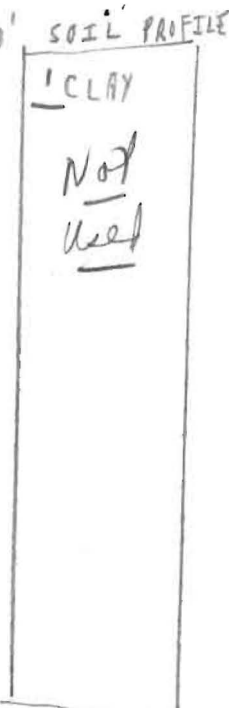
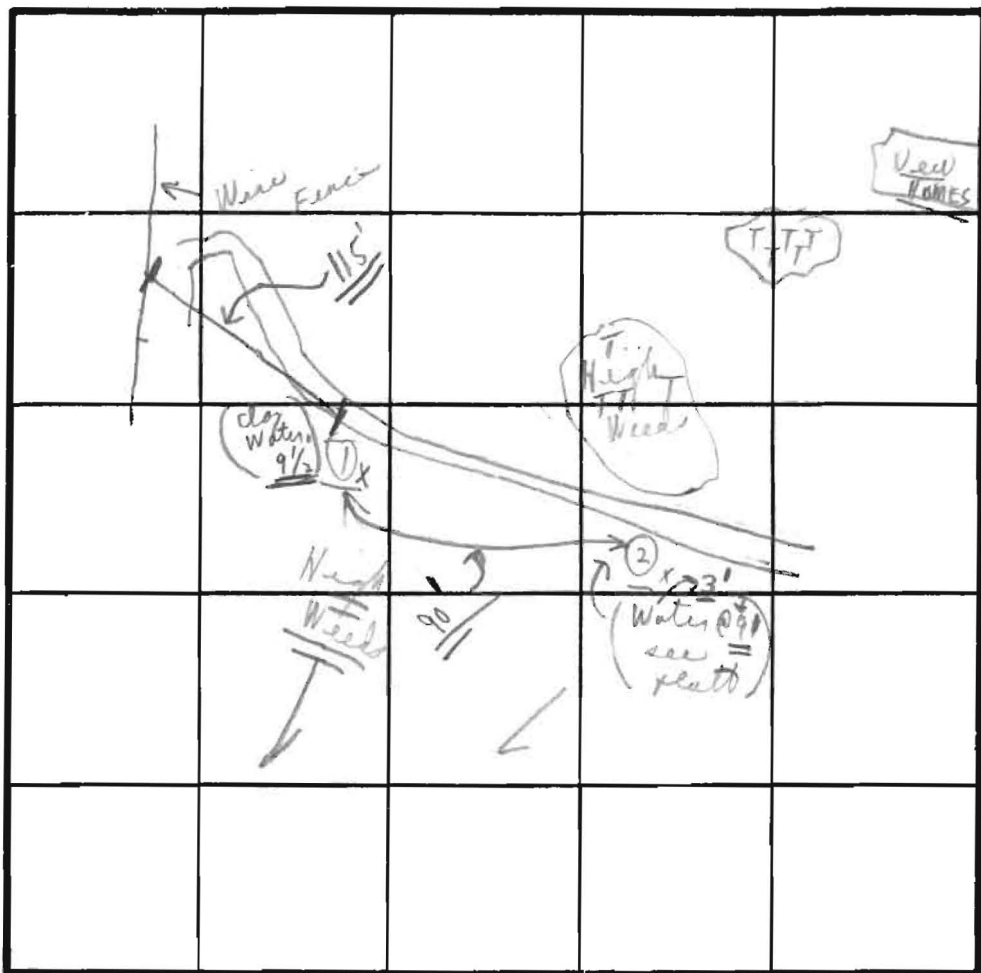
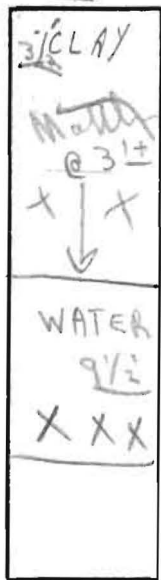
REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

## THIS IS NOT A PERMIT

#  
A 45308

#5

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Nichols Drive

(0' SOIL PROFILE)

PRO SOIL FILE



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/28/90	X(1)X	3 1/2'	11:02	11:03	11:32	11:48"	XXX
		9 1/2'	Water full stream	to clay to water	at 3'	seepage	XXX
	X(2)X	3'					
		9'	Water - full stream				XXXX
	O	-'					
		-'	Not dug		2/28/90		
	O	-'					
		-'	Not dug		2/28/90		
	O	-'					
		-'	Not dug		2/28/90		

REMARKS Tests in open (Wanted on shovel) Not to dig side

TYPE OF SOIL Tests per stake. Rejected. Water + clay

TESTED BY C. Bd. ALSO PRESENT  
 (1) D. J. HOBBS  
 (2) Mr. Peter WERDERBUAN  
 (3) Mr. Chew-stager in car

5/30/97  
10:00  
To Be  
CONFIRMED

# APPLICATION

PERCOLATION TESTING

A 58128

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 5-5-97

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 MICHAEL + SUSAN BARNES

ADDRESS 7748 PATUXENT OAK CT, EIKRIDGE MD PHONE 410-796-9455 (H)

21227 PHONE 410-872-5538 (W)

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION CLIFTON C LINK, Lot 2 LOT NO. Q 9+8

ROAD AND DESCRIPTION Nichols Drive, CLARKSVILLE MD

TAX MAP \_\_\_\_\_ PARCEL # Lot 2, Plat 3720

SIZE OF LOT 9.96 TYPE BLDG. Single Family  
(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. Michael A. Barnes  
(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



5/30/97  
10:00  
To Be  
Completed

# APPLICATION

PERCOLATION TESTING

A 58128

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 5-5-97

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 MICHAEL + Susan Barnes

ADDRESS 7748 Patuxent Oak Ct, <sup>Eikridge</sup> md PHONE 410-796-9455 (H)  
410-872-5538 (W)

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Clifton C Link, Lot 2 LOT NO. 2 8+9

ROAD AND DESCRIPTION Nichols Drive, Clarksville Md

TAX MAP \_\_\_\_\_ PARCEL # Lot 2, Plat 3720

SIZE OF LOT 9.96 TYPE BLDG. Single Family  
(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. Michael A. Barnes  
(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' 5  
dark red  
SiCLM

5.0  
lgt red brown  
SiLM  
micaceous  
no distinct  
High H<sub>2</sub>O  
Soil charge

water  
comming  
in at  
9.5

12.0  
water

6, 7

no  
distinct  
clay  
layer  
red brn  
SiCLM

10.0  
slightly  
darker

few  
mottles  
may be  
H<sub>2</sub>O  
related

13.0

8

dark  
red to  
bright  
orange  
SiCLM

1.0  
reddish  
brown  
micaceous  
SiLM

7.0

darker  
red  
mottled  
micaceous  
SiLM

3.0


See attached

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' 9  
dark  
red  
brown  
SiCLM

4.0  
red  
brown  
SiLM

10.0  
dark  
brown  
mottled  
SiLM  
dry

13.0

10, 11  
dark or  
brn  
SiCLM

6.0  
mottled  
dk brn  
SiLM  
water  
at 8.0

9.0

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-5-97	5	3.0 V12.0	12:10	12:33	>30 min	—	slow
		Insufficient depth to H <sub>2</sub> O		—	—	—	F
	6	4.0 V13.0	12:47	>30 min	—	—	slow
		4.5 V13.0	1:38	1:49	1:49	2:00	11min
	7	3.5 V11.0	12:57	>30 min	—	—	slow
		4.0 V11.0	1:06	1:17 <sup>30</sup>	1:17 <sup>30</sup>	1:35	17 1/2 min
	8	3.5 V13.0	1:16	1:30	1:30	1:53	23min
	9	4.5 V13.0	1:28	1:32 <sup>30</sup>	1:32 <sup>30</sup>	1:46	13 1/2 min
	10	See profile insufficient depth to H <sub>2</sub> O		—	—	—	F
	11	See profile insufficient depth to H <sub>2</sub> O		—	—	—	F

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillen

ALSO PRESENT Michael Barnes

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

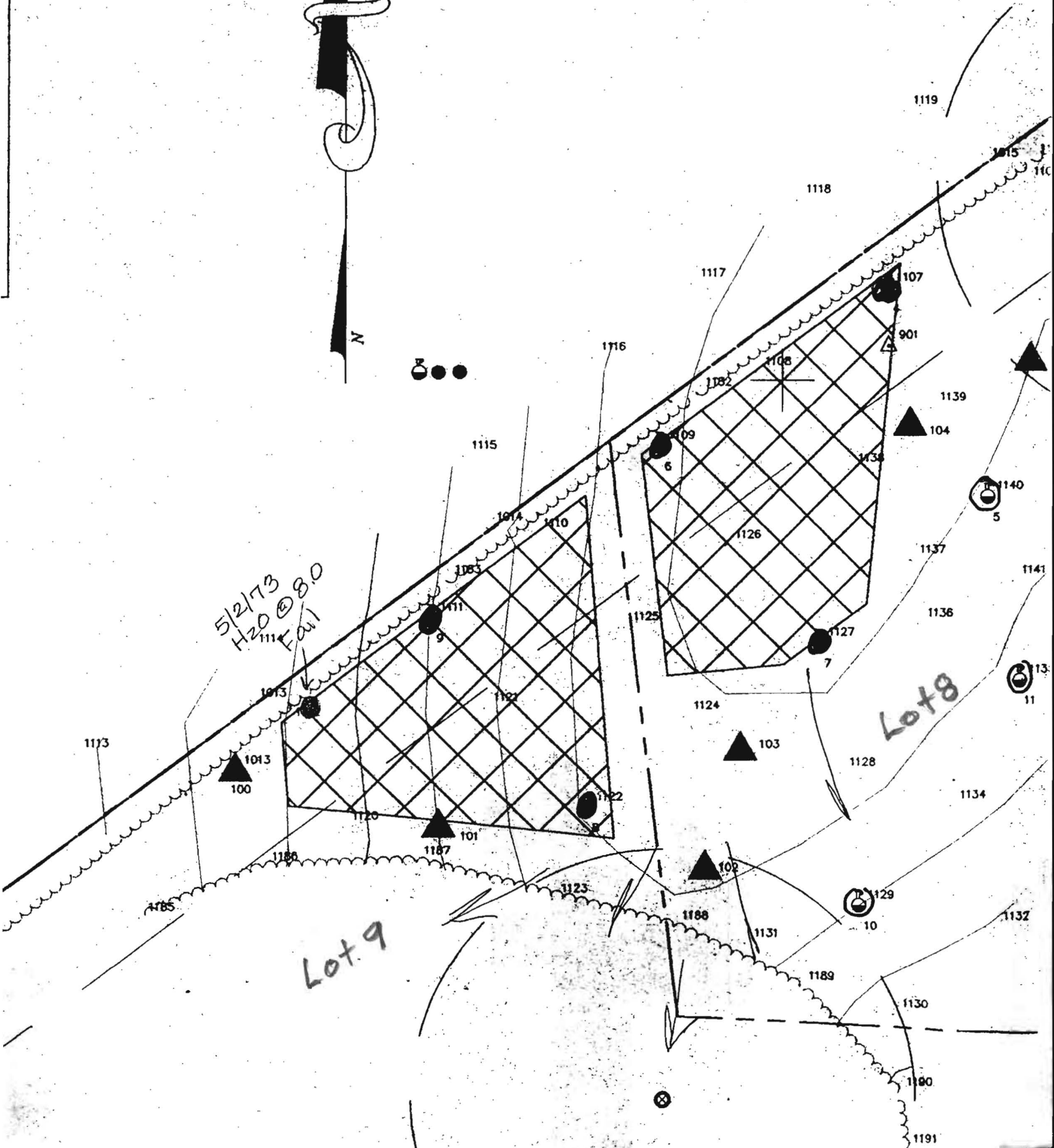
TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

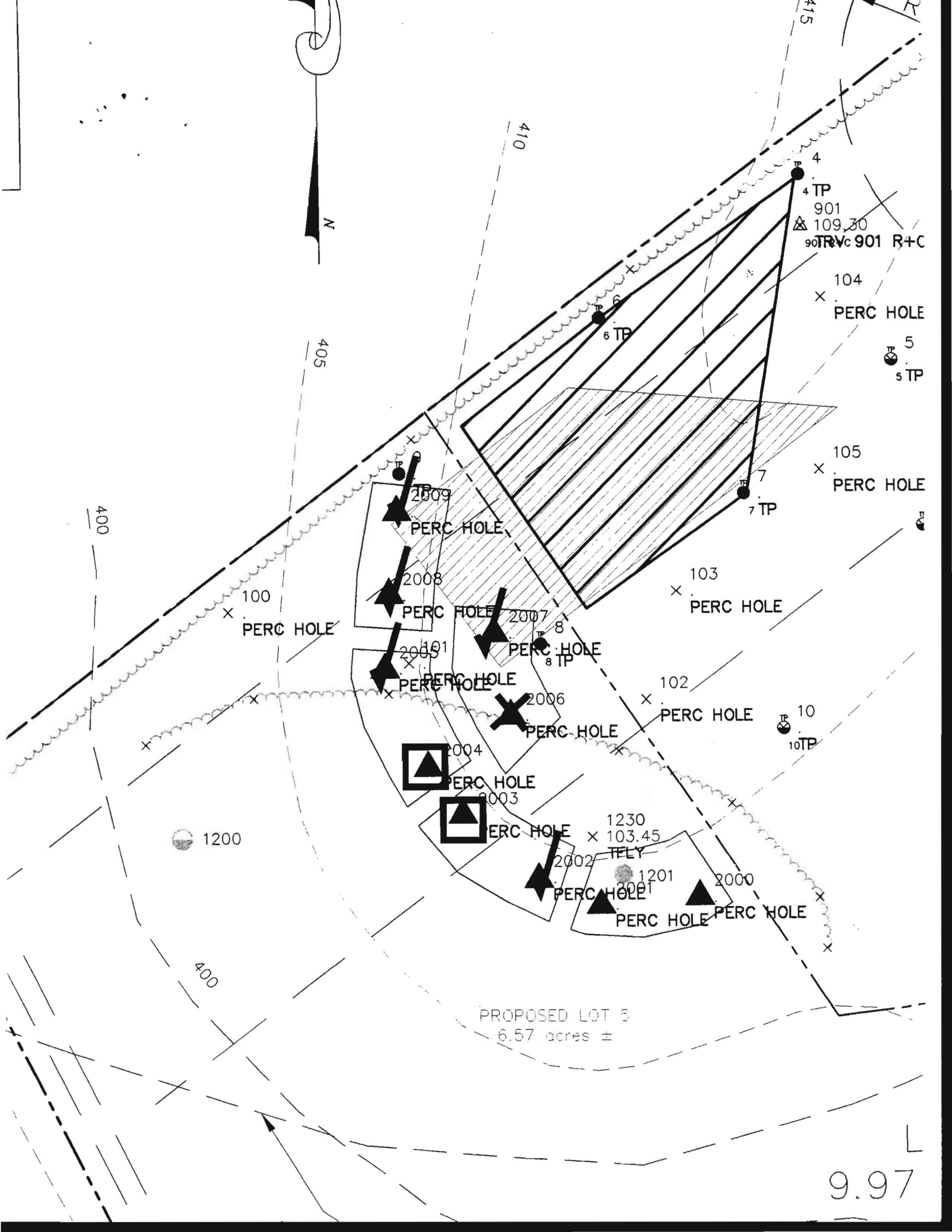
THOMAS E. MCOUNICAL  
L. 724 F. 578



5/2/73  
H2O @ 8.0  
Fault

Lot 9

Lot 8



N

410

4

4 TP  
901  
△ 109.30  
901 R+C

104  
X  
PERC HOLE

5  
P  
5 TP

405

6  
P  
6 TP

105  
X  
PERC HOLE

7  
P  
7 TP

400

2009  
P  
PERC HOLE

103  
X  
PERC HOLE

100  
X  
PERC HOLE

2008  
P  
PERC HOLE

2007  
P  
PERC HOLE

2009  
P  
PERC HOLE

2007  
P  
PERC HOLE

102  
X  
PERC HOLE

100  
X  
PERC HOLE

2009  
P  
PERC HOLE

2006  
X  
PERC HOLE

10  
P  
10 TP

2004  
P  
PERC HOLE

2003  
P  
PERC HOLE

102  
X  
PERC HOLE

1200

1230

1230 TELY

2002  
P  
PERC HOLE

1201

2001  
P  
PERC HOLE

2000

2000  
P  
PERC HOLE

PROPOSED LOT 5  
6.57 acres ±

400

9.97



---

## HOWARD COUNTY HEALTH DEPARTMENT

---

*Mary Sue Baker, MBA, Acting County Health Officer*

May 7, 1999

### MEMORANDUM

TO: Mildenberg, Boender & Associates, Inc.  
5072 Dorsey Hall Drive, Suite 202  
Ellicott City, Maryland 21042

FROM: Amy Mc Millen, R.S.  
Water & Sewerage Program *AMM*

RE: Percolation test plan  
Clifton C. Link Property - Lots 1 & 2  
Nichols Drive

This is to advise you that the above referenced document is not approvable as submitted.

On April 29, 1999, I conducted a site inspection in order to determine if the proposed well site for Lot 5 would be acceptable as shown. At the time of the inspection, it was found that all of the septic systems serving the houses across Nichols Drive are located in front of the houses and directly up-slope of the proposed well site. It is this office's determination that drilling a well as proposed would not only limit the adjacent lots with regard to septic system repairs, but, the well could possibly be contaminated by the uphill septic systems.

In addition, a portion of the proposed septic easement on Lot 4 is not approvable as presented. The lower portion of the septic easement should be revised so that it connects holes 7 and 104 with a straight line.

Should you wish to discuss this matter further, I may be contacted at the address below or by calling (410)313-2640.

Enclosure  
cc:File

SOIL DESCRIPTION

NAME Clifton Link-Lot 9 COUNTY Howard FILE NO \_\_\_\_\_  
 SOIL MAP UNIT \_\_\_\_\_ MAP SYMBOL \_\_\_\_\_ DATE 6/8/99  
 GEOLOGIC MATERIAL \_\_\_\_\_ ELEVATION \_\_\_\_\_ GRID NO \_\_\_\_\_ E  
 NO. 1202 DESCRIBED BY Amy McMiller \_\_\_\_\_ N

Horizon	Depth In.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
A	24"	7.5YR 4/6	None	SiSalm	NONE		30-40	DRY
C	34"	7.5YR 5/6	NONE	Salm	granular		50-60	Coarse, Damp
C	43"	5YR 5/6		Sa	granular		60%	Very damp
* DID NOT TEST - TOO MUCH SURFACE ROCK - UNABLE TO SET INFILTRMETER *								

LANDSCAPE

Position

Summit \_\_\_\_\_  
 Shoulder \_\_\_\_\_  
 Sideslope \_\_\_\_\_  
 Footslope \_\_\_\_\_  
 Depression \_\_\_\_\_  
 Upland \_\_\_\_\_  
 Terrace \_\_\_\_\_  
 Floodplain \_\_\_\_\_

Slope

Percent \_\_\_\_\_  
 Shape \_\_\_\_\_

SOIL DRAINAGE CLASS

ED \_\_\_\_\_ MWD \_\_\_\_\_ PD \_\_\_\_\_  
 WD \_\_\_\_\_ SPD \_\_\_\_\_ VPD \_\_\_\_\_

WATER TABLE

\_\_\_\_\_  
 \_\_\_\_\_

LIMITING ZONE

SOIL CLASSIFICATION

\_\_\_\_\_  
 \_\_\_\_\_



SOIL DESCRIPTION

NAME Clifton Lnk - Lot 9 COUNTY Ho FILE NO \_\_\_\_\_  
 SOIL MAP UNIT \_\_\_\_\_ MAP SYMBOL \_\_\_\_\_ DATE 6/8/99  
 GEOLOGIC MATERIAL \_\_\_\_\_ ELEVATION \_\_\_\_\_ GRID NO \_\_\_\_\_ E  
 NO. 1200 DESCRIBED BY Amy McMillen \_\_\_\_\_ N

Horizon	Depth in.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
A	14"	5YR 4/6		C/Lm	prismatic		none	
B	34"	5YR 5/8	7.5YR 8/4	heavy C/Lm	blocky		none	very dense
B	53"	7.5YR 5/4	7.5YR 6/8	C/Salm	prism			few mottles

LANDSCAPE

Position

Summit \_\_\_\_\_  
 Shoulder \_\_\_\_\_  
 Sideslope \_\_\_\_\_  
 Footslope \_\_\_\_\_

Depression \_\_\_\_\_  
 Upland \_\_\_\_\_  
 Terrace \_\_\_\_\_  
 Floodplain \_\_\_\_\_

Slope

Percent \_\_\_\_\_  
 Shape \_\_\_\_\_

SOIL DRAINAGE CLASS

ED \_\_\_\_\_ MWD \_\_\_\_\_ PD \_\_\_\_\_  
 WD \_\_\_\_\_ SPD \_\_\_\_\_ VPD \_\_\_\_\_

WATER TABLE

\_\_\_\_\_  
 \_\_\_\_\_

LIMITING ZONE

SOIL CLASSIFICATION

\_\_\_\_\_  
 \_\_\_\_\_





SOIL DESCRIPTION

NAME Clifton Link - Lot 2 COUNTY Howard Co FILE NO \_\_\_\_\_  
 SOIL MAP UNIT \_\_\_\_\_ MAP SYMBOL \_\_\_\_\_ DATE 6/8/99  
 GEOLOGIC MATERIAL \_\_\_\_\_ ELEVATION \_\_\_\_\_ GRID NO \_\_\_\_\_ E  
 NO. 1207 DESCRIBED BY Amy McMillen \_\_\_\_\_ N

Horizon	Depth in.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
A	20"							
	27	7.5YR 5/6		prismatic			10%	
	52	7.5YR 5/4	5YR 7/1	SUB & Biky				many mottles

LANDSCAPE

Position

Summit \_\_\_\_\_ Depression \_\_\_\_\_  
 Shoulder \_\_\_\_\_ Upland \_\_\_\_\_  
 Sideslope \_\_\_\_\_ Terrace \_\_\_\_\_  
 Footslope \_\_\_\_\_ Floodplain \_\_\_\_\_

Slope

Percent \_\_\_\_\_  
 Shape \_\_\_\_\_

SOIL DRAINAGE CLASS

ED \_\_\_\_\_ MWD \_\_\_\_\_ PD \_\_\_\_\_  
 WD \_\_\_\_\_ S'D \_\_\_\_\_ V'D \_\_\_\_\_

WATER TABLE

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

LIMITING ZONE

\_\_\_\_\_  
 \_\_\_\_\_

SOIL CLASSIFICATION

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



SOIL DESCRIPTION

NAME Clifton Link Lot 2 COUNTY Howard CO FILE NO \_\_\_\_\_  
 SOIL MAP UNIT \_\_\_\_\_ MAP SYMBOL \_\_\_\_\_ DATE 6/8/99  
 GEOLOGIC MATERIAL \_\_\_\_\_ ELEVATION \_\_\_\_\_ GRID NO \_\_\_\_\_ E  
 NO. 1205 DESCRIBED BY Amy McMiller \_\_\_\_\_ N

Horizon	Depth In.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
	4.5"	obvious mottling grey						

LANDSCAPE

Position

Summit \_\_\_\_\_  
 Shoulder \_\_\_\_\_  
 Sideslope \_\_\_\_\_  
 Footslope \_\_\_\_\_  
 Depression \_\_\_\_\_  
 Upland \_\_\_\_\_  
 Terrace \_\_\_\_\_  
 Floodplain \_\_\_\_\_

Slope

Percent \_\_\_\_\_  
 Shape \_\_\_\_\_

SOIL DRAINAGE CLASS

ED \_\_\_\_\_ MWD \_\_\_\_\_ PD \_\_\_\_\_  
 WD \_\_\_\_\_ SPD \_\_\_\_\_ VPD \_\_\_\_\_

WATER TABLE

\_\_\_\_\_  
 \_\_\_\_\_

LIMITING ZONE

SOIL CLASSIFICATION

\_\_\_\_\_  
 \_\_\_\_\_



SOIL DESCRIPTION

NAME Cliffon Link - lot 2 COUNTY Howard FILE NO \_\_\_\_\_  
 SOIL MAP UNIT \_\_\_\_\_ MAP SYMBOL \_\_\_\_\_ DATE 6/8/99  
 GEOLOGIC MATERIAL \_\_\_\_\_ ELEVATION \_\_\_\_\_ GRID NO \_\_\_\_\_ E  
 NO. 1206 DESCRIBED BY Amy McMillen \_\_\_\_\_ N

Horizon	Depth in.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
	16	5YR 4/4		siSaLm	blk	y		
	37	7.5YR 4/6		SiCLm	prism		10%	
	59	5YR 4/6	7.5YR 6/2	SiLm	none		30%	

LANDSCAPE

Position

Summit \_\_\_\_\_  
 Shoulder \_\_\_\_\_  
 Sideslope \_\_\_\_\_  
 Footslope \_\_\_\_\_  
 Depression \_\_\_\_\_  
 Upland \_\_\_\_\_  
 Terrace \_\_\_\_\_  
 Floodplain \_\_\_\_\_

Slope

Percent \_\_\_\_\_  
 Shape \_\_\_\_\_

SOIL DRAINAGE CLASS

ED \_\_\_\_\_ MWD \_\_\_\_\_ PD \_\_\_\_\_  
 WD \_\_\_\_\_ SPD \_\_\_\_\_ VPD \_\_\_\_\_

WATER TABLE

\_\_\_\_\_  
 \_\_\_\_\_

LIMITING ZONE

\_\_\_\_\_  
 \_\_\_\_\_

SOIL CLASSIFICATION

\_\_\_\_\_  
 \_\_\_\_\_



SOIL DESCRIPTION

NAME Cliffton Link - lot 2 COUNTY Howard FILE NO \_\_\_\_\_  
 SOIL MAP UNIT \_\_\_\_\_ MAP SYMBOL \_\_\_\_\_ DATE 6/8/99  
 GEOLOGIC MATERIAL \_\_\_\_\_ ELEVATION \_\_\_\_\_ GRID NO \_\_\_\_\_ E  
 NO. 1204 DESCRIBED BY Amy McMullen \_\_\_\_\_ N

Horizon	Depth in.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
	13"	7.5YR 4/6	—	clSalm	sub S	blkv	20%	very dry
	24"	7.5YR 5/6	—	clLm	sub +	blkv		
	33"	5YR 4/6	—	slLm	none		40%	
	48"	5YR 4/6		Salm	granular		70%	quartzite

LANDSCAPE

Position

Summit \_\_\_\_\_ Depression \_\_\_\_\_  
 Shoulder \_\_\_\_\_ Upland \_\_\_\_\_  
 Sideslope \_\_\_\_\_ Terrace \_\_\_\_\_  
 Footslope \_\_\_\_\_ Floodplain \_\_\_\_\_

Slope

Percent \_\_\_\_\_  
 Shape \_\_\_\_\_

SOIL DRAINAGE CLASS

ED \_\_\_\_\_ MWD \_\_\_\_\_ PD \_\_\_\_\_  
 WD \_\_\_\_\_ SPD \_\_\_\_\_ VPD \_\_\_\_\_

WATER TABLE

\_\_\_\_\_  
 \_\_\_\_\_

LIMITING ZONE

SOIL CLASSIFICATION

\_\_\_\_\_  
 \_\_\_\_\_



SOIL DESCRIPTION

NAME Clifton Link Prop COUNTY HO FILE NO \_\_\_\_\_  
 SOIL MAP UNIT \_\_\_\_\_ MAP SYMBOL \_\_\_\_\_ DATE 6/8/99  
 GEOLOGIC MATERIAL \_\_\_\_\_ ELEVATION \_\_\_\_\_ GRID NO \_\_\_\_\_ E  
 NO. 1201 DESCRIBED BY Amy McMullen \_\_\_\_\_ N

Horizon	Depth in.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
	10	7.5YR 4/6		Sisalim	prism		none	
	38	2.5YR 4/6		C1Lm	none			
	45	7.5YR 5/8	10YR 6/4	C1Lm				transition zone many mottles
	52	10YR 5/8	2.5Y 6/4	SaC1Lm	sub b	K Ry		many mottles

LANDSCAPE

Position

Summit \_\_\_\_\_  
 Shoulder \_\_\_\_\_  
 Sideslope \_\_\_\_\_  
 Footslope \_\_\_\_\_

Depression \_\_\_\_\_  
 Upland \_\_\_\_\_  
 Terrace \_\_\_\_\_  
 Floodplain \_\_\_\_\_

Slope

Percent \_\_\_\_\_  
 Shape \_\_\_\_\_

SOIL DRAINAGE CLASS

ED \_\_\_\_\_ MWD \_\_\_\_\_ PD \_\_\_\_\_  
 WD \_\_\_\_\_ SPD \_\_\_\_\_ VPD \_\_\_\_\_

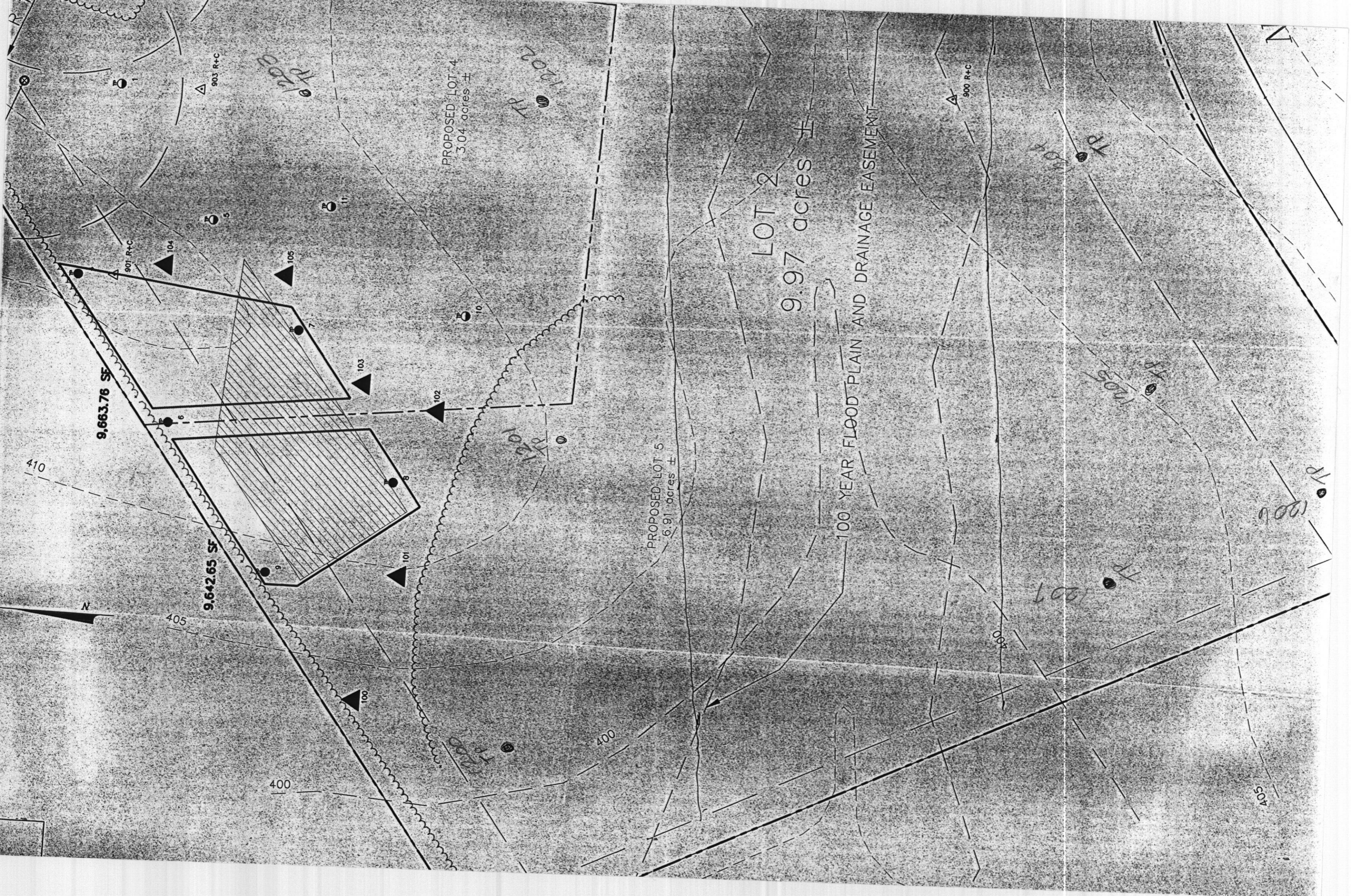
WATER TABLE

\_\_\_\_\_  
 \_\_\_\_\_

LIMITING ZONE

SOIL CLASSIFICATION

\_\_\_\_\_  
 \_\_\_\_\_



PROPOSED LOT 4  
3.04 acres ±

PROPOSED LOT 5  
6.91 acres ±

LOT 2  
9.97 acres ±

100 YEAR FLOOD PLAIN AND DRAINAGE EASEMENT

9,663.76 SF

9,642.65 SF

410

405

400

400

405

N

903 R+C

5

901 R+C

104

105

103

102

101

100

110

111

1201

1202

1201

1205

1206

900 R+C

1204

TP

TP

TP

TP

60 min

TEST DATA

NAME Clifton Link FILE NO \_\_\_\_\_

LOCATION Nichols Dr. COUNTY Howard

DATE 9/1/99

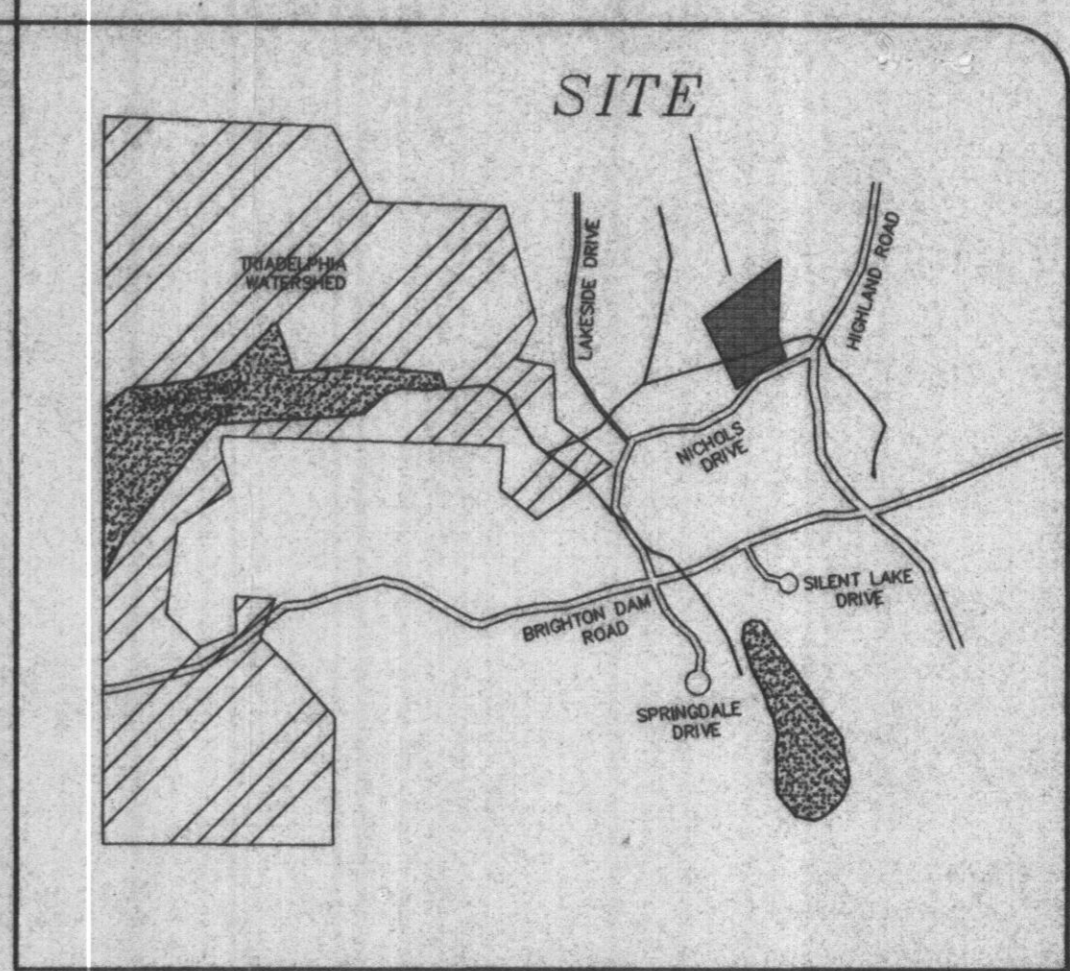
GRID \_\_\_\_\_ E

RECORDED BY BB \_\_\_\_\_ N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
	2022	20"	9:18		7"	
			9:37	19 min	6 3/16"	
			9:59	22 min	5 10/16"	
			10:15	16 min	5 7/16"	
			10:48	33 min	5 1/16"	
			11:14	26 min	4 11/16"	
	<b>FAIL</b>		11:30	16 min	4 1/2"	
			11:49	19 min	4 5/16"	101
			12:08	19 min	4 2/16"	101
			12:27	19 min	3 15/16"	101 min/inch <b>FAIL</b>
	2021	14"	9:33		7"	
			9:46	13 min	6 3/16"	
			10:01	15 min	5 13/16"	
			10:17	16 min	5 7/16"	
			10:49	32 min	5 2/16"	
			11:15	26 min	4 11/16"	
	<b>FAIL</b>		11:34	19 min	4 8/16"	
			11:52	18 min	4 5/16"	95
			12:09	17 min	4 2/16"	90
			12:29	20 min	3 15/16"	106 min/inch <b>FAIL</b>



date	JAN 2000	approval	KAS
project	98036	illustration	KAS
project	98036	engineering	KAS
revision		date	



**VICINITY MAP**  
SCALE 1"=1000'

**GENERAL NOTES:**

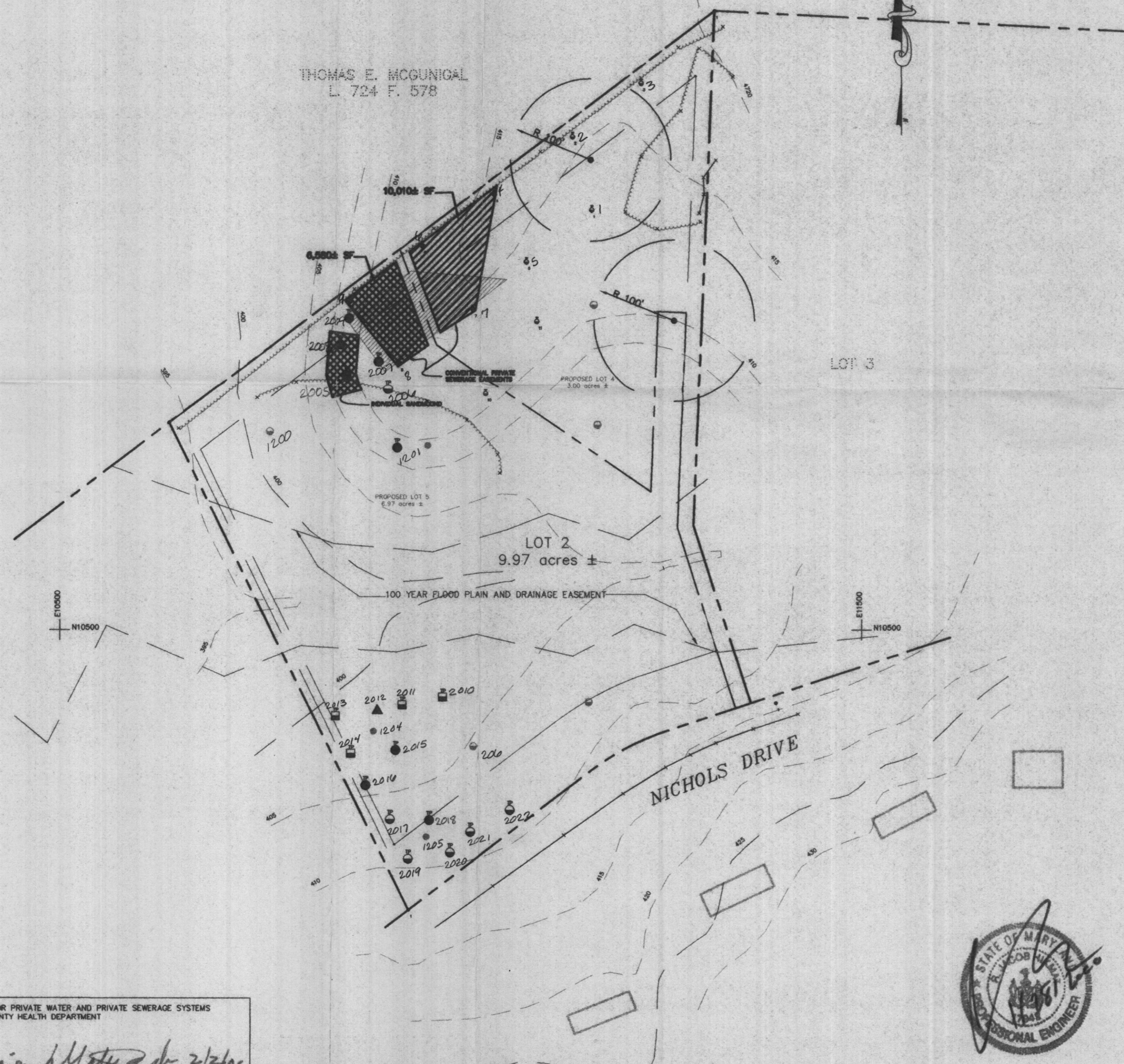
1. TOPOGRAPHIC DATA BASED ON SURVEYS PERFORMED BY MILDENBERG, BOENDER & ASSOCIATES IN OR ABOUT MAY, 1998.
2. BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON SITE.
3. SANDMOUND SYSTEM FOR LOT 2 SHALL BE THE FIRST SEPTIC INSTALLATION. AREA DESIGNATED FOR CONVENTIONAL TRENCH SYSTEMS SHALL BE RESERVED FOR FUTURE REPAIR SEPTIC SYSTEMS.
4. ALL RELEVANT WELLS AND SEPTIC SYSTEMS WITHIN 100' OF PROPERTY BOUNDARIES HAVE BEEN SHOWN.
5. WELL ON LOT 2 TO BE DRILLED PRIOR TO RECORD PLAT APPROVAL.

**LEGEND**

- PROPOSED WELL
  - EXISTING WELL
  - ⊙ DESIGNATES A PREVIOUSLY PASSED PERC TEST HOLE, MAY 1997
  - ⊙ DESIGNATES A PREVIOUSLY FAILED PERC TEST HOLE, MAY 1997
  - ⊙ DESIGNATES A PREVIOUSLY PASSED PERC TEST HOLE, JUNE 1999
  - ⊙ DESIGNATES A PREVIOUSLY FAILED PERC TEST HOLE, JUNE 1999
  - ⊙ DESIGNATES A PREVIOUSLY PASSED PERC TEST HOLE, SEPTEMBER 1999
  - ⊙ DESIGNATES A PREVIOUSLY FAILED PERC TEST HOLE, SEPTEMBER 1999
  - ⊙ DESIGNATES A PREVIOUSLY PASSED PERC TEST HOLE, OCTOBER 1999
  - ⊙ DESIGNATES A PREVIOUSLY FAILED PERC TEST HOLE, OCTOBER 1999
- 
- APPROXIMATE LOCATION OF EXISTING SEPTIC EASEMENT
  - THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT, AND RECORDATION OF A MODIFIED EASEMENT SHALL BE NECESSARY.
  - THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT COMBINED WITH A PRIVATE INDIVIDUAL SANDMOUND SYSTEM. TOGETHER, THE SYSTEMS MEET THE REQUIREMENTS OF THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE AND PRIVATE INDIVIDUAL SANDMOUND EASEMENT, AND RECORDATION OF A MODIFIED EASEMENT SHALL BE NECESSARY.

**OWNER**

MICHAEL & SUSAN BARNES  
7748 PATUXENT OAK COURT  
ELKRIDGE, MARYLAND 21227  
(410) 796-9455



THOMAS E. MCGUNICAL  
L. 724 F. 578

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

*Die M... 2/2/00*  
DATE

CLIFTON LINK PROPERTY  
PERCOLATION CERTIFICATION PLAT

**MILDENBERG, BOENDER & ASSOC. INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hill Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 987-0266 Fax: (301) 621-5521 Wash. (410) 987-0298 Fax

TEST DATA

NAME <u>Clifton Link</u>	FILE NO _____
LOCATION <u>Nichols Drive</u>	COUNTY <u>Howard</u>
DATE <u>9/1/99</u>	GRID _____ E
RECORDED BY <u>BB</u>	N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
	2018	14"	12:58		7"	
			1:15	17 min	5 4/16"	
			1:34	19 min	4 4/16"	
			1:51	17 min	3 1/2"	
			2:05	14 min	3"	Refill, Raised to 7"
	<span style="border: 1px solid black; padding: 2px;">PASS</span>		2:24	19 min	6 5/16"	27
			2:41	17 min	5 13/16"	34
			3:07	26 min	5 2/16"	37
			3:31	24 min	4 1/2"	38
			4:03	32 min	3 14/16"	51 min/inch <span style="border: 1px solid black; padding: 2px;">PASS</span>
	2017	16"	1:08		7"	
			1:21	13 min	6 4/16"	
			1:36	15 min	5 14/16"	
			1:53	17 min	5 10/16"	
			2:08	15 min	5 6/16"	
	<span style="border: 1px solid black; padding: 2px;">FAIL</span>		2:26	18 min	5 3/16"	
			2:43	17 min	5"	90
			3:08	25 min	4 13/16"	132
			3:33	25 min	4 1/2"	79
			4:06	33 min	4 5/16"	175 min/inch <span style="border: 1px solid black; padding: 2px;">FAIL</span>

TEST DATA

NAME <u>Clifton Link</u>	FILE NO _____
LOCATION <u>Nichols Drive</u>	COUNTY <u>Howard</u>
DATE <u>9/1/99</u>	GRID _____
RECORDED BY <u>BB</u>	E N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method,Moisture,Biopores)
	2020	17"	9:45		7"	
			10:03	18min	6 7/16"	
			10:18	15min	6 1/4"	
			10:50	32min	6 2/16"	
			11:17	27min	5 14/16"	
			11:37	20min	5 11/16"	
	<b>FAIL</b>		11:59	22min	5 8/16"	117
			12:11	12min	5 6/16"	96
			12:31	20min	5 3/16"	106 min/inch <b>FAIL</b>
			12:50			
	2019	17"	9:55		7"	
			10:05	10 min	6 1/2"	} invalid-net } properly scaled
			10:20	15 min	5 1/4"	
			10:51	31 min	3 12/16"	
			11:04		7"	
			11:18	14min	6 11/16"	
			11:49	31min	6 3/16"	
	<b>FAIL</b>		11:56	7min	6 1/16"	
			12:13	17min	5 15/16"	136
			12:32	19min	5 13/16"	152 min/inch <b>FAIL</b>



---

## HOWARD COUNTY HEALTH DEPARTMENT

---

*Mary Sue Baker, MBA, Acting County Health Officer*

May 20, 1999

TO: Jacob Hikmat, P.E.  
Mildenberg, Boender & Assoc., Inc.  
5072 Dorsey Hall Drive, Suite 202  
Ellicott City, Maryland 21043

FROM: Amy Mc Millen, R.S.  
Water & Sewerage Program *AM*

RE: Clifton Link Property - Lot 2  
Perc Certification Plat

This is to advise you that the above referenced property does not appear to be approvable for a two lot subdivision with conventional septic systems. On several occasions in the past, this property has been tested and rejected for a two lot subdivision proposal due to high water table conditions. And, there is nothing in the current proposal to support a reconsideration of this decision.

It is this office's suggestion that the next step in attempting to develop the above referenced property should be sand mound percolation testing. This type of testing may allow the development of the property into two lots, with one approved for conventional trench systems and the other for sand mound systems.

In order to proceed with our suggestion, please contact this office as soon as possible in order to reserve several test dates.

If there are any questions, I may be contacted at the address below or by calling (410)313-2640.

cc:File

# FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
1/14/06	RC, or whoever gets this (13520 Nicholas Drive)
	I included the neighboring file for the
	next test date. Owner is puzzled, (So was I)
	on how they had a conventional system
	in areas of high HzO tables. <del>6</del>

Howard County Health Department

To: \_\_\_\_\_

FAILED SAND  
MOUND SEPTIC  
SYSTEM  
INFILTRMETER  
TESTS

From: \_\_\_\_\_

Date: \_\_\_\_\_

HD-170

TEST DATA

NAME <u>Clifton Link</u>	FILE NO _____
LOCATION <u>Nichols Drive</u>	COUNTY <u>Howard</u>
_____	DATE <u>9/2/99</u>
RECORDED BY <u>B. Baber</u>	GRID _____ E
_____	N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
	2006	14"	1:41	0 min	7"	Rocky
			1:57	16 min	6 <sup>7</sup> / <sub>16</sub> "	
			2:13	16 min	6 <sup>3</sup> / <sub>16</sub> "	
			2:28	15 min	5 <sup>15</sup> / <sub>16</sub> "	
			2:43	15 min	5 <sup>11</sup> / <sub>16</sub> "	
			3:00	17 min	5 <sup>8</sup> / <sub>16</sub> "	
	<span style="border: 1px solid black; padding: 2px;">FAIL</span>		3:15	15 min	5 <sup>5</sup> / <sub>16</sub> "	
			3:31	16 min	5 <sup>1</sup> / <sub>16</sub> "	
			3:46	15 min	4 <sup>15</sup> / <sub>16</sub> "	
			4:02	16 min	4 <sup>13</sup> / <sub>16</sub> "	128
			4:17	15 min	4 <sup>10</sup> / <sub>16</sub> "	79
			4:32	15 min	4 <sup>8</sup> / <sub>16</sub> "	120
			4:48	16 min	4 <sup>4</sup> / <sub>16</sub> "	64 min/inch <span style="border: 1px solid black; padding: 2px;">FAIL</span>
	2002	18"	2:17	0 min	7"	
			2:32	15 min	5 <sup>11</sup> / <sub>16</sub> "	
			2:47	15 min	4 <sup>10</sup> / <sub>16</sub> "	Add Water + Reset to 7"
			3:02	15 min	6 <sup>4</sup> / <sub>16</sub> "	
			3:17	15 min	5 <sup>7</sup> / <sub>16</sub> "	
			3:32	15 min	4 <sup>10</sup> / <sub>16</sub> "	Add Water + Reset
	<span style="border: 1px solid black; padding: 2px;">PASS</span>		3:47	15 min	3 <sup>11</sup> / <sub>16</sub> "	
			4:03	16 min	2 <sup>15</sup> / <sub>16</sub> "	
			4:18	15 min	2 <sup>5</sup> / <sub>16</sub> "	
			4:33	15 min	1 <sup>11</sup> / <sub>16</sub> "	26 Add Water + Reset to 7"
			4:50	17 min	1"	24 min/inch <span style="border: 1px solid black; padding: 2px;">PASS</span>



TEST DATA

NAME Clifton Link FILE NO \_\_\_\_\_

LOCATION Nichols Drive COUNTY Howard

DATE 9/2/99

GRID \_\_\_\_\_ E

RECORDED BY B. Baker \_\_\_\_\_ N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method,Moisture,Biopores)
	2004	19"	9:46	0 min	7"	High Clay Content
			10:03	17 min	6 <sup>14</sup> / <sub>16</sub> "	
			10:18	15 min	6 <sup>12</sup> / <sub>16</sub> "	
			10:32	14 min	6 <sup>10</sup> / <sub>16</sub> "	
			10:47	15 min	6 <sup>8</sup> / <sub>16</sub> "	
			11:02	15 min	6 <sup>7</sup> / <sub>16</sub> "	
			11:17	15 min	6 <sup>5</sup> / <sub>16</sub> "	
			11:32	15 min	6 <sup>4</sup> / <sub>16</sub> "	
			11:47	15 min	6 <sup>3</sup> / <sub>16</sub> "	
			12:02	15 min	6 <sup>2</sup> / <sub>16</sub> "	238
			12:23	21 min	6"	168
			12:38	15 min	5 <sup>15</sup> / <sub>16</sub> "	238 min/inch <b>FAIL</b>
	2007	18"	10:06	0 min	7"	
			10:22	16 min	6 <sup>3</sup> / <sub>16</sub> "	
			10:37	15 min	5 <sup>10</sup> / <sub>16</sub> "	
			10:52	15 min	5 <sup>3</sup> / <sub>16</sub> "	
			11:12	20 min	4 <sup>12</sup> / <sub>16</sub> "	
			11:26	14 min	4 <sup>7</sup> / <sub>16</sub> "	
			11:41	15 min	4 <sup>2</sup> / <sub>16</sub> "	
			11:55	14 min	3 <sup>14</sup> / <sub>16</sub> "	Add Water + Reset
			12:10	15 min	3 <sup>9</sup> / <sub>16</sub> "	47
			12:25	15 min	3 <sup>5</sup> / <sub>16</sub> "	60
			12:43	18 min	3 <sup>1</sup> / <sub>16</sub> "	72
			1:00	17 min	2 <sup>14</sup> / <sub>16</sub> "	90 min/inch <b>FAIL</b>

TEST DATA

NAME <u>Clifton Link</u>	FILE NO _____
LOCATION <u>Nichols Drive</u>	COUNTY <u>Howard</u>
_____	DATE <u>9/2/99</u>
RECORDED BY <u>B. Baker</u>	GRID _____ E
	N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method,Moisture,Biopores)		
	2009	20"	9:31	0 min	7"			
			9:48	17 min	5 <sup>12</sup> / <sub>16</sub> "			
			10:07	19 min	4 <sup>15</sup> / <sub>16</sub> "			
			10:25	18 min	4 <sup>5</sup> / <sub>16</sub> "	Add Water + Reset		
			10:40	15 min	3 <sup>13</sup> / <sub>16</sub> "			
			10:55	15 min	3 <sup>8</sup> / <sub>16</sub> "			
			11:13	18 min	3 <sup>1</sup> / <sub>16</sub> "			
			11:27	14 min	2 <sup>12</sup> / <sub>16</sub> "			
			11:42	15 min	2 <sup>7</sup> / <sub>16</sub> "	47		
			11:57	15 min	2 <sup>3</sup> / <sub>16</sub> "	60 Add Water + Reset		
			12:13	16 min	1 <sup>15</sup> / <sub>16</sub> "	64		
			12:30	17 min	1 <sup>10</sup> / <sub>16</sub> "	54 min/inch <b>PASS</b>		
			2008	17"	9:39	0 min	-7"	
					9:54	15 min	5 <sup>10</sup> / <sub>16</sub> "	
	10:09	15 min			4 <sup>7</sup> / <sub>16</sub> "			
	10:28	19 min			3 <sup>9</sup> / <sub>16</sub> "	Add Water + Reset to 7"		
	10:44	16 min			6 <sup>2</sup> / <sub>16</sub> "			
	10:59	15 min			5 <sup>7</sup> / <sub>16</sub> "			
	11:11	12 min			4 <sup>12</sup> / <sub>16</sub> "			
	11:28	17 min			4 <sup>2</sup> / <sub>16</sub> "			
	11:43	15 min			3 <sup>10</sup> / <sub>16</sub> "			
	11:59	16 min			3 <sup>1</sup> / <sub>16</sub> "	28		
	12:14	15 min	2 <sup>9</sup> / <sub>16</sub> "	30				
	12:33	19 min	2"	33 min/inch <b>PASS</b>				

TEST DATA

NAME <u>Clifton Link</u>	FILE NO _____
LOCATION <u>Nichols Drive</u>	COUNTY <u>Howard</u>
	DATE <u>9/2/99</u>
	GRID _____
RECORDED BY <u>B. Baker</u>	

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
	2005	14"	12:52	0 min	7"	Moderate Rock
			1:10	18 min	4 <sup>4</sup> / <sub>16</sub> "	Add Water + Reset to 7"
			1:25	15 min	5 <sup>9</sup> / <sub>16</sub> "	
			1:46	21 min	4"	
			2:01	15 min	3 <sup>1</sup> / <sub>16</sub> "	Add Water + Reset to 7"
			2:18	17 min	5 <sup>15</sup> / <sub>16</sub> "	
			2:34	16 min	5 <sup>3</sup> / <sub>16</sub> "	
			2:53	19 min	4 <sup>5</sup> / <sub>16</sub> "	Add Water + Reset
			3:08	15 min	3 <sup>9</sup> / <sub>16</sub> "	
			3:23	15 min	2 <sup>12</sup> / <sub>16</sub> "	Add Water + Reset
			3:38	15 min	2 <sup>1</sup> / <sub>16</sub> "	
			3:53	15 min	1 <sup>7</sup> / <sub>16</sub> "	
			4:08	15 min	1 <sup>3</sup> / <sub>16</sub> "	
	2003	19"	1:15	0 min	-7"	Rocky
			1:34	19 min	2 <sup>3</sup> / <sub>4</sub> "	Add Water + Reset to 7"
			1:53	19 min	3 <sup>10</sup> / <sub>16</sub> "	Add Water + Reset to 7"
			2:10	17 min	4 <sup>9</sup> / <sub>16</sub> "	Add Water + Reset
			2:25	15 min	2 <sup>13</sup> / <sub>16</sub> "	Add Water + Reset to 7"
			2:40	15 min	5 <sup>1</sup> / <sub>16</sub> "	
			2:57	17 min	3 <sup>2</sup> / <sub>16</sub> "	Add Water + Reset to 7"
			3:13	16 min	5 <sup>3</sup> / <sub>16</sub> "	
			3:28	15 min	3 <sup>9</sup> / <sub>16</sub> "	Add Water + Reset to 7"
			3:43	15 min	4 <sup>15</sup> / <sub>16</sub> "	
			3:58	15 min	3 <sup>1</sup> / <sub>16</sub> "	Add Water + Reset to 7"
			4:13	15 min	5 <sup>6</sup> / <sub>16</sub> "	
			4:28	15 min	3 <sup>13</sup> / <sub>16</sub> "	

Moist  
Around  
Sides of  
Infiltrometer

Lower  
Area of  
Trench is  
Moist, Wet

\* THESE TESTS ARE INVALID - NOT PROPERLY SEALED \*

Clifton Link Property - Lot 2

Nichols Drive

10/27/99

Recorded by: Amy McMillen

County - Howard County

TEST	DEPTH	TIME	ELAPSE TIME	MEASUREMENT	
2013	18"	10:55		7"	
		11:06	11 min	6 <sup>15</sup> / <sub>16</sub> "	174 min
		11:19	13 min	6 <sup>14</sup> / <sub>16</sub> "	206 min
		11:35	16 min	6 <sup>13</sup> / <sub>16</sub> "	253 min
2011	18"	10:50		7"	
		11:10	20 min	6 <sup>15</sup> / <sub>16</sub> "	317 min
		11:30	20 min	No movement	
2014	18"	10:02		7"	3
		10:07	5 min	6 <sup>13</sup> / <sub>16</sub> "	26 min
		10:19	12 min	6 <sup>11</sup> / <sub>16</sub> "	96 min
		10:37	18 min	6 <sup>10</sup> / <sub>16</sub> "	285 min
		10:52	15 min	6 <sup>9</sup> / <sub>16</sub> "	238 min
210	18"	11:16		7"	4
		11:33	17 min	6 <sup>12</sup> / <sub>16</sub> "	68 min
		11:48	15 min	6 <sup>9</sup> / <sub>16</sub> "	79 min
		12:03	15 min	6 <sup>8</sup> / <sub>16</sub> "	238 min

SOIL DESCRIPTION

NAME Cliffon Link-Lot 9 COUNTY Howard FILE NO \_\_\_\_\_  
 SOIL MAP UNIT \_\_\_\_\_ MAP SYMBOL \_\_\_\_\_ DATE 6/8/99  
 GEOLOGIC MATERIAL \_\_\_\_\_ ELEVATION \_\_\_\_\_ GRID NO \_\_\_\_\_ E  
 NO. 1003 DESCRIBED BY Amy McMillen \_\_\_\_\_ N

Horizon	Depth in.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
	10"	10YR 4/4	—	SiSalm	prism		few	
	33"	7.5YR 4/4	7.5YR 5/8	ciLm			5%	few mottles
	48"	5YR 4/6		SiLm	none		60%	

LANDSCAPE

Position

Summit \_\_\_\_\_  
 Shoulder \_\_\_\_\_  
 Sideslope \_\_\_\_\_  
 Footslope \_\_\_\_\_  
 Depression \_\_\_\_\_  
 Upland \_\_\_\_\_  
 Terrace \_\_\_\_\_  
 Floodplain \_\_\_\_\_

Slope

Percent \_\_\_\_\_  
 Shape \_\_\_\_\_

SOIL DRAINAGE CLASS

ED \_\_\_\_\_ MWD \_\_\_\_\_ PD \_\_\_\_\_  
 WD \_\_\_\_\_ SPD \_\_\_\_\_ VPD \_\_\_\_\_

WATER TABLE

\_\_\_\_\_  
 \_\_\_\_\_

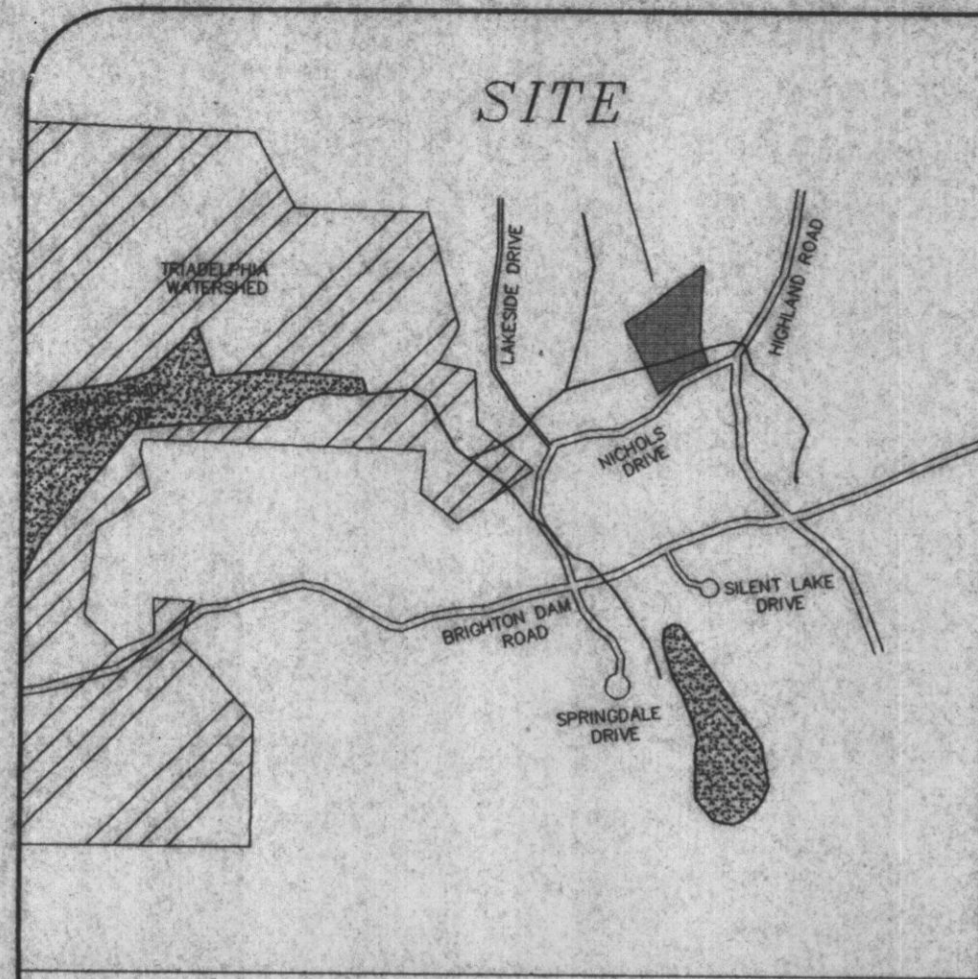
LIMITING ZONE

\_\_\_\_\_  
 \_\_\_\_\_

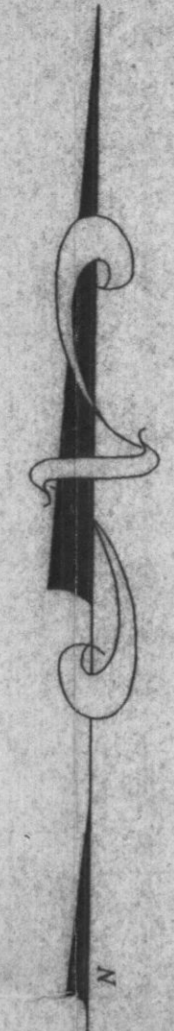
SOIL CLASSIFICATION

\_\_\_\_\_  
 \_\_\_\_\_

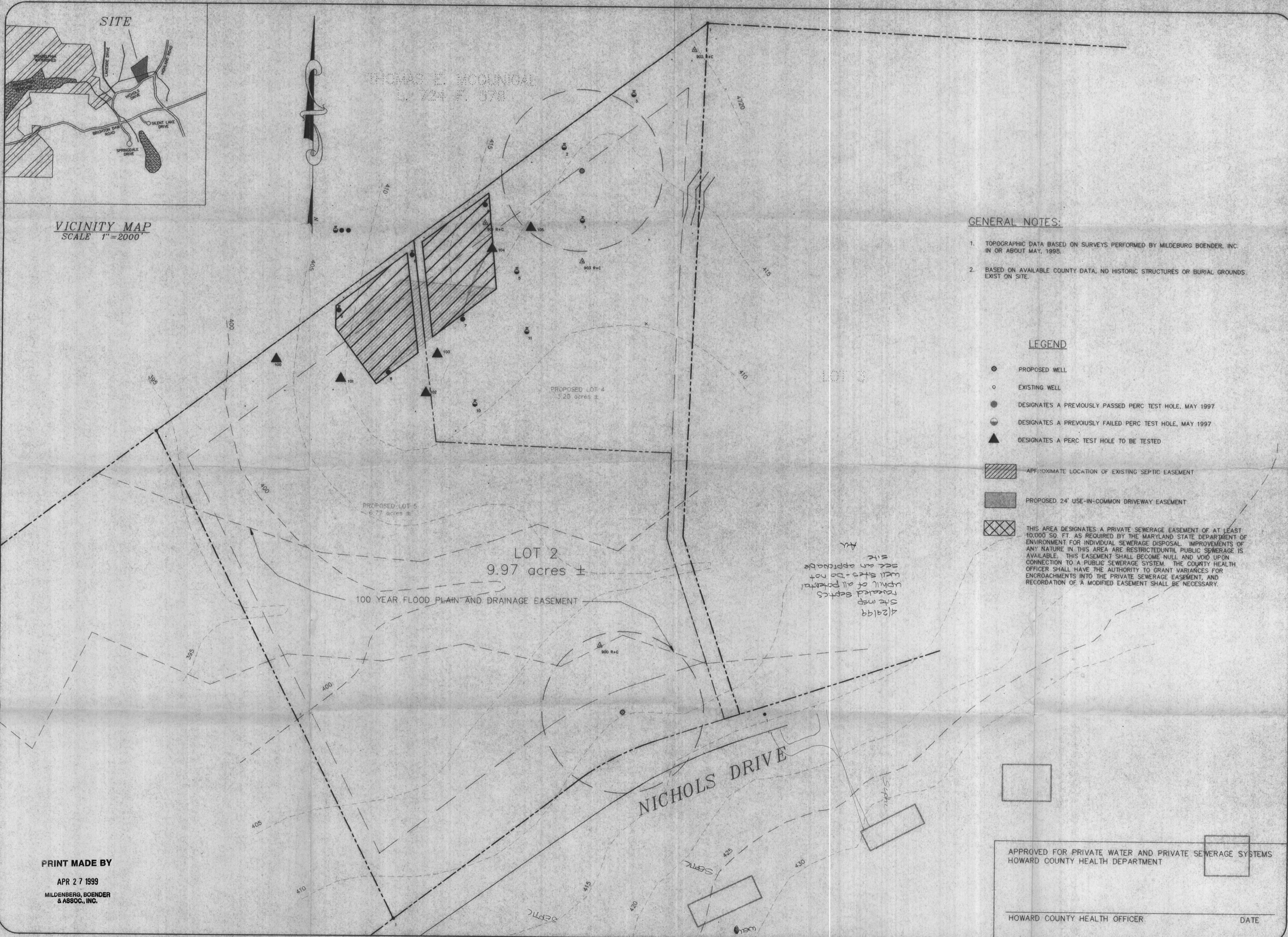




VICINITY MAP  
SCALE 1"=2000'



THOMAS E. MCOUNICAL  
L. 724 E. 078



GENERAL NOTES:

1. TOPOGRAPHIC DATA BASED ON SURVEYS PERFORMED BY MILDEBURG BOENDER, INC. IN OR ABOUT MAY, 1998.
2. BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON SITE.

LEGEND

- PROPOSED WELL
- EXISTING WELL
- DESIGNATES A PREVIOUSLY PASSED PERC TEST HOLE, MAY 1997
- DESIGNATES A PREVIOUSLY FAILED PERC TEST HOLE, MAY 1997
- ▲ DESIGNATES A PERC TEST HOLE TO BE TESTED
- ▨ APPROXIMATE LOCATION OF EXISTING SEPTIC EASEMENT
- ▩ PROPOSED 24' USE-IN-COMMON DRIVEWAY EASEMENT
- ▤ THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT, AND RECORDATION OF A MODIFIED EASEMENT SHALL BE NECESSARY.

4/29/99  
Site map  
Reviewed Septics  
well sites - do not  
set an approvable  
site

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

HOWARD COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

PRINT MADE BY

APR 27 1999  
MILDENBERG, BOENDER  
& ASSOC., INC.

Project	98035	Date	4/20/99
Illustration	KS	Engineering	RJH
Scale	1"=60'	Approval	RJH

no.	description	date

CLIFTON C. LINK PROPERTY  
LOT #2  
TAX MAP #34  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
PERC TEST PLAT

MILDENBERG, BOENDER & ASSOC., INC.  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Bolt. (301) 621-5521 Wash. (410) 997-0296 Fax

COORDINATE TABLE		
POINT	NORTHING	EASTING
1	559592.9920	1316592.6537
2	560132.5884	1316193.7883
3	560751.7156	1316775.0266
4	560121.5677	1316860.4387
5	559918.9008	1316969.1867
6	559866.7137	1316871.9253
7	559800.9871	1316786.6062

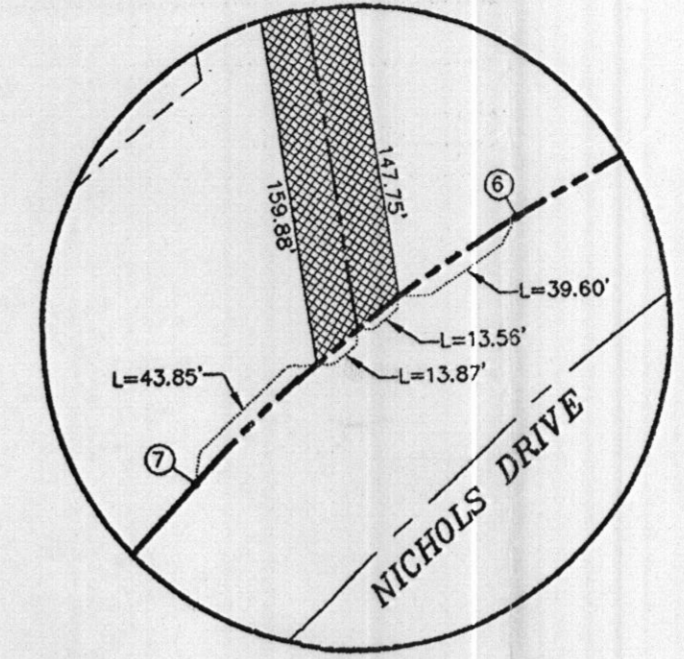
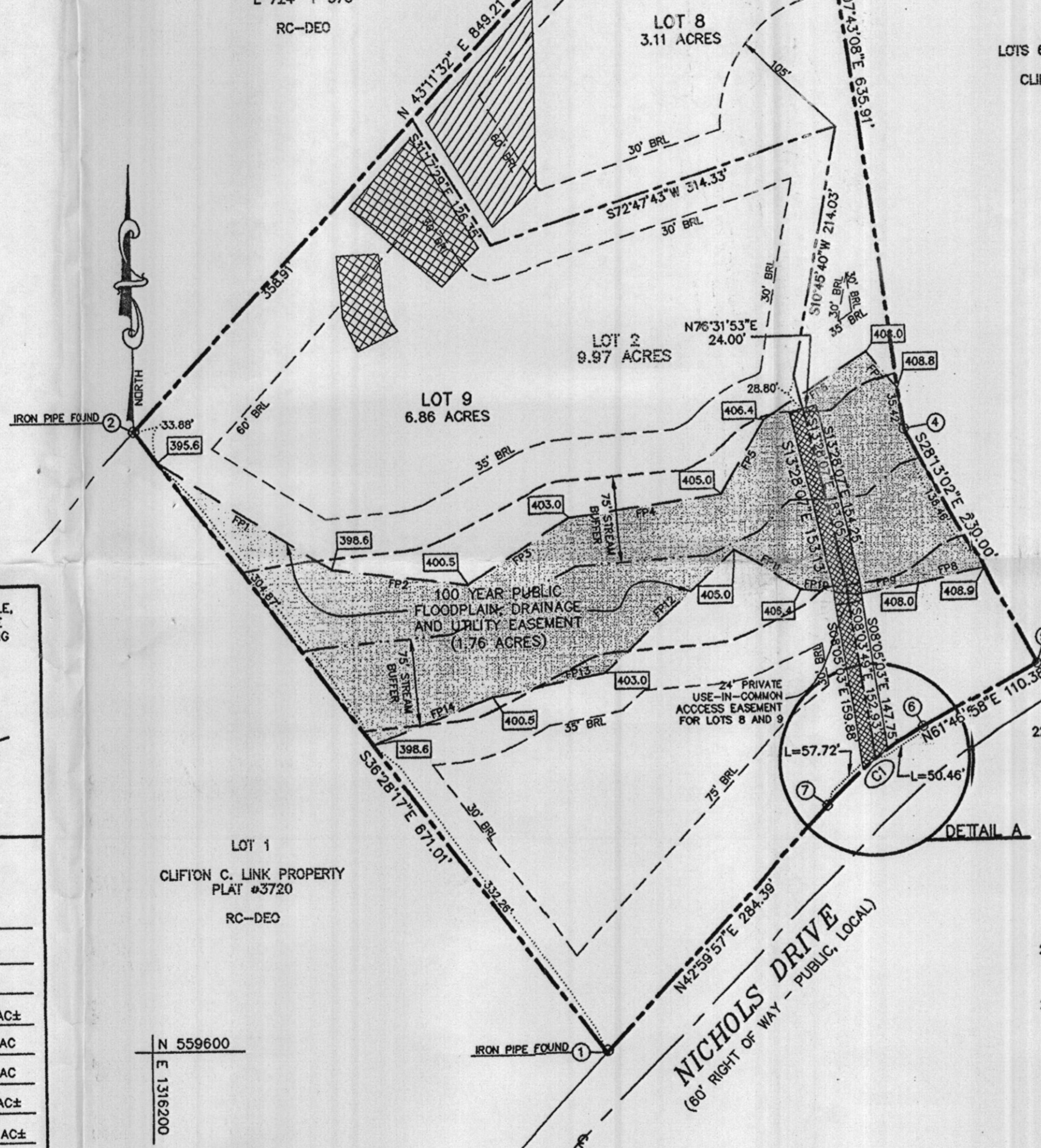
NOTE: COORDINATES AND GRID TICS SHOWN HEREON ARE BASED ON NAD '83 AND ARE IN FEET. TO CONVERT TO METERS DIVIDE BY 3.28083333.

LINE TABLE		
LINE	BEARING	DISTANCE
FP1	N57°28'14"W	175.35'
FP2	N82°58'47"W	118.11'
FP3	S57°58'19"W	104.85'
FP4	S82°13'56"W	133.36'
FP5	S31°15'46"W	73.27'
FP6	S58°41'19"W	106.36'
FP7	N40°22'06"W	41.32'
FP8	N77°16'09"E	56.94'
FP9	N81°35'39"E	52.57'
FP10	S83°44'29"E	49.78'
FP11	S59°15'50"E	67.84'
FP12	N47°58'28"E	153.67'
FP13	N79°05'41"E	98.18'
FP14	N69°09'21"E	111.18'

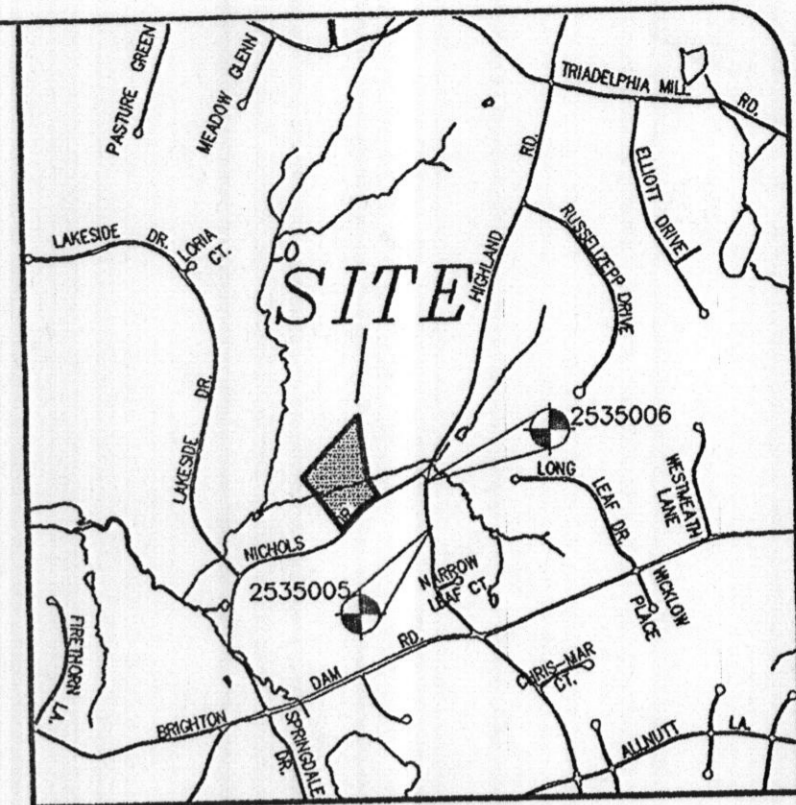
CURVE TABLE						
CURV	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	330.00'	108.18'	54.58'	107.70'	S52°23'26"W	18°47'00"

N 560600  
E 1316200

THOMAS E. MCGUNIGAL  
PARCEL 303  
L 724 F 578  
RC-DEO



DETAIL A  
SCALE: 1" = 50'



VICINITY MAP  
SCALE 1"=2000'

OWNER AND DEVELOPER  
MICHAEL & SUSAN BARNES  
7748 PATUXENT OAK COURT  
ELKRDIDGE, MARYLAND 21075  
(410) 872-5538

THE REQUIREMENTS OF 3-108, THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF MARYLAND, 1988 REPLACEMENT VOLUME (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAN AND THE SETTING OF MARKERS HAVE BEEN COMPLIED WITH.

*John S. Mildenberg* 1/7/02  
JOHN S. MILDENBERG, SURVEYOR DATE

*Susan E. Barnes* 1/9/02  
SUSAN E. BARNES, OWNER DATE

*Michael J. Barnes* 1/9/02  
MICHAEL J. BARNES, OWNER DATE

AREA TABULATION (THIS SHEET)	
NUMBER OF BUILDABLE LOTS	2
NUMBER OF OPEN SPACE LOTS	0
NUMBER OF LOTS	2
AREA OF BUILDABLE LOTS	9.97 AC±
AREA OF OPEN SPACE LOTS	0 AC
AREA OF RECREATIONAL OPEN SPACE	0 AC
AREA OF 100 YEAR FLOODPLAIN	1.76 AC±
AREA OF ROADWAY	0 AC±
TOTAL AREA TO BE RECORDED	9.97 AC±

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

*Ray B...* 2/15/02  
HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Michael J. Barnes* 2/20/02  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*James R...* 2/26/02  
DIRECTOR DATE

**OWNER'S STATEMENT**

WE, MICHAEL J. BARNES AND SUSAN E. BARNES, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, 1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES IN AND UNDER ALL ROADS AND STREET RIGHT-OF-WAYS AND FLOODPLAINS AND OPEN SPACE WHERE APPLICABLE, AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE, 2) THE RIGHT TO REQUIRE DEDICATION OF WATERWAY AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE, AND 4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERECTED IN OR OVER THE SAID EASEMENT AND RIGHTS-OF-WAY.

WITNESS MY HAND THIS 9TH DAY OF JANUARY, 2002.

*Susan E. Barnes*  
SUSAN E. BARNES, OWNER

*Michael J. Barnes*  
MICHAEL J. BARNES, OWNER

*Stephanie Demchik*  
WITNESS

*Stephanie Demchik*  
WITNESS

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A RESUBDIVISION OF LOT 2 OF A SUBDIVISION TITLED "CLIFTON C. LINK PROPERTY LOTS 1, 2, & 3", AND RECORDED AMONG THE LAND RECORDS FOR HOWARD COUNTY, MARYLAND AS PLAT NO. 3720. THAT IT IS THE SAME PARCEL OF LAND CONVEYED BY ARTHUR AND LINDA CHEN TO MICHAEL AND SUSAN BARNES BY DEED DATED JUNE 20, 1995, AND RECORDED AMONG THE LAND RECORDS FOR HOWARD COUNTY, MARYLAND AT LIBER 3519, FOLIO 0659 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE AS SHOWN IN ACCORDANCE WITH THE CODE OF MARYLAND AS AMENDED AND THAT THE BOUNDARY SURVEY IS MADE IN ACCORDANCE WITH THE HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING CODE OF

*John S. Mildenberg* 1/7/02  
JOHN S. MILDENBERG, L.S. NO. 17178 DATE

- GENERAL NOTES:**
- THE PURPOSE OF THIS PLAT IS TO RESUBDIVIDE LOT 2 OF THE CLIFTON C. LINK PROPERTY INTO LOTS 8 AND 9.
  - SUBJECT PROPERTY ZONED RR-DEO PER THE 10/18/93 COMPREHENSIVE ZONING PLAN.
  - COORDINATES BASED ON NAD '83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 2535005 & 2535006.
- |                  |               |             |
|------------------|---------------|-------------|
| STA. No. 2535005 | N 559371.631  | EL. 486.997 |
|                  | E 1317523.421 |             |
| STA. No. 2535006 | N 560105.079  | EL. 429.369 |
|                  | E 1317462.630 |             |
- THIS PLAT IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT MARCH 2000 BY MILDENBERG, BOENDER & ASSOCIATES, INC.
  - BRL DENOTES BUILDING RESTRICTION LINE.
  - ⊙ DENOTES REBAR AND CAP FOUND
  - ⊙ DENOTES STONE FOUND.
  - DENOTES ANGULAR CHANGE IN DIRECTION OF BOUNDARY.
  - NO STEEP SLOPES EXIST ON-SITE.
  - NO STRUCTURES EXIST ON-SITE
  - NO BURIAL OR CEMETERY SITES EXIST ON-SITE.
  - ALL AREAS SHOWN ARE MORE OR LESS (±).
  - THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT, AND RECORDATION OF A MODIFIED EASEMENT SHALL BE NECESSARY.
  - THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT COMBINED WITH A PRIVATE INDIVIDUAL SANDMOUND SYSTEM. TOGETHER, THE SYSTEMS MEET THE REQUIREMENTS OF THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE AND PRIVATE INDIVIDUAL SANDMOUND EASEMENT, AND RECORDATION OF A MODIFIED EASEMENT SHALL BE NECESSARY.
  - THE CONVENTIONAL SEPTIC SYSTEM SHALL BE INSTALLED FIRST ON LOT 8. THE OWNER OF LOT 8 ACKNOWLEDGES THAT A SANDMOUND SYSTEM MAY BE REQUIRED FOR FUTURE REPAIR SEPTIC SYSTEMS.
  - ⊠ DENOTES 100 YEAR PUBLIC FLOODPLAIN, DRAINAGE AND UTILITY EASEMENT.
  - ⊠ DENOTES PRIVATE USE-IN-COMMON EASEMENT.
  - NO WETLANDS EXIST ON SITE.
  - THIS PROJECT IS EXEMPT FROM SWM REQUIREMENTS AS PER SEC. 5.1.2.B.4 OF THE DESIGN MANUAL VOL. I.
  - NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE STREAM OR ITS REQUIRED BUFFERS.
  - LANDSCAPING FOR LOTS 8 AND 9 IS PROVIDED IN ACCORDANCE WITH A CERTIFIED LANDSCAPE PLAN ON FILE WITH THIS PLAT IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- DRIVEWAY(S) SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
    - WIDTH-12 FEET (14 FEET IF SERVING MORE THAN ONE RESIDENCE).
    - SURFACE-6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING.
    - GEOMETRY-MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45 FOOT TURNING RADIUS.
    - STRUCTURES (CULVERTS/BRIDGES)-CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING)
    - DRAINAGE ELEMENTS-CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
    - STRUCTURE CLEARANCES-MINIMUM 12 FEET.
    - MAINTENANCE-SUFFICIENT TO INSURE ALL WEATHER USE.
  - FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL, AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND THE ROAD RIGHT OF WAY.
  - A FEE-IN-LIEU PAYMENT OF \$23,740.20 INTO THE HOWARD COUNTY FOREST CONSERVATION FUND HAS BEEN MADE TO SATISFY THE AFFORESTATION OBLIGATION OF 1.09 ACRES.
  - A FEE-IN-LIEU PAYMENT OF \$1,500.00 TO THE HOWARD COUNTY DEPARTMENT OF RECREATION AND PARKS HAS BEEN MADE TO SATISFY THE OPEN SPACE REQUIREMENTS.
  - FLOODPLAIN BASED ON THE INSTALLATION OF ONE 10'-11" X 4'-3" METAL BOX CULVERT (OR EQUIVALENT) AT THE STREAM CROSSING FOR THE USE IN COMMON DRIVEWAY.

RECORDED AS PLAT 15285 ON 2/28/02 AMONG THE LAND RECORDS OF HOWARD COUNTY, MD.

**CLIFTON C. LINK PROPERTY**  
LOTS 8 AND 9  
A RESUBDIVISION OF LOT 2,  
THE CLIFTON C. LINK PROPERTY

TAX MAP 34  
PARCEL NO. 368  
LOT NO. 2

FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
EX. ZONING RR-DEO

SCALE: 1"=100'  
DATE: JAN 2002  
DPZ FILE NO: F-77-04

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors

5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Ball. (301) 621-5521 Wash. (410) 997-0298 Fax.

SHEET 1 OF 1

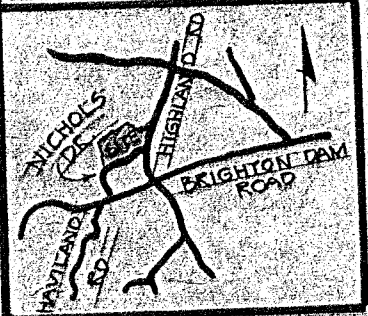
F 00-162

**COORDINATES**

N°	NORTH	EAST
1	0000.000	0000.000
2	0029.851	0010.501
3	0327.326	0119.148
4	0382.955	0139.488
5	063.189	015.823
6	0396.991	0820.845
7	0891.302	1187.411
8	0796.878	1200.807
9	0672.809	11564.058
10	0557.184	11750.956
11	0374.807	1257.556
12	0324.896	1162.119
13	0071.771	0826.210
14	0020.280	0668.521
15	0645.395	1993.167
16	0571.518	1951.249
17	0330.799	1219.802
18	0988.860	0766.033
19	10778.423	12118.369

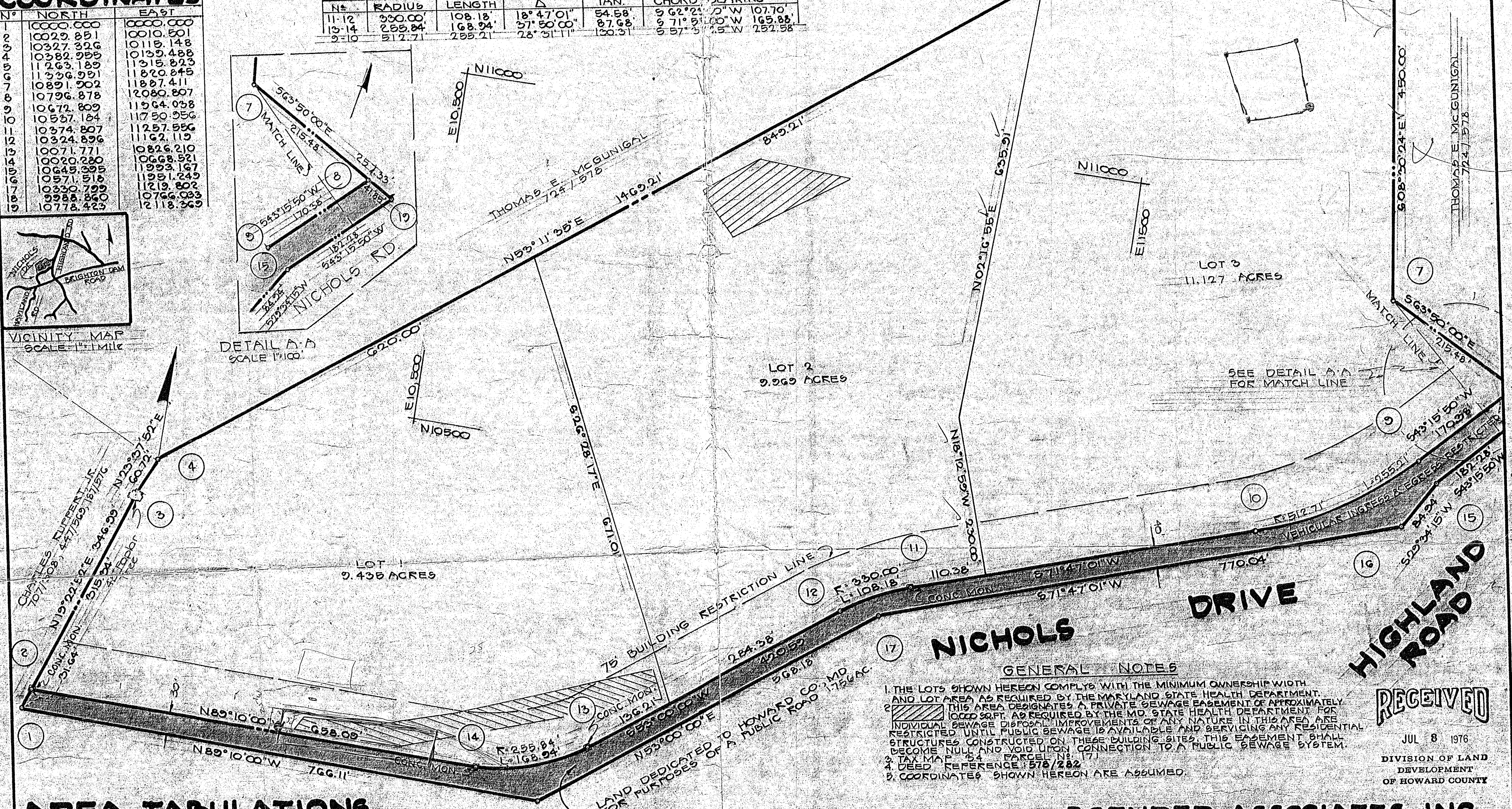
**CURVE DATA**

N°	RADIUS	LENGTH	Δ	TAN.	CHORD	BEARING
11-12	330.00'	108.18'	18° 47' 01"	54.58'	9 62° 24' 20" W 107.70'	
13-14	255.84'	168.94'	27° 50' 00"	87.68'	9 71° 51' 00" W 165.88'	
2-10	512.71'	235.21'	28° 31' 11"	130.31'	9 57° 5' 45" W 252.58'	



VICINITY MAP  
SCALE: 1"=1 MILE

DETAIL A-A  
SCALE: 1"=100'



**AREA TABULATIONS**

- TOTAL NO. OF LOTS: 3
- TOTAL AREA OF LOTS: 30.531 AC
- TOTAL AREA OF ROAD DEDICATION: 1.756 AC
- TOTAL AREA OF PLAT: 32.287

**GENERAL NOTES**

- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE HEALTH DEPARTMENT.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF APPROXIMATELY 1000 SQFT AS REQUIRED BY THE MD. STATE HEALTH DEPARTMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE AND SERVICING ANY RESIDENTIAL STRUCTURES CONSTRUCTED ON THESE BUILDING SITES, THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM.
- TAX MAP 54 PARCEL NO. 171
- DEED REFERENCE 1578/282
- COORDINATES SHOWN HEREON ARE ASSUMED.

**BOENDER ASSOCIATES, INC.**

SUITE 101 107  
TOWN & COUNTRY PROFESSIONAL BUILDING  
ELLCOTT CITY, MD 21043

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

COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

**OWNERS STATEMENT**

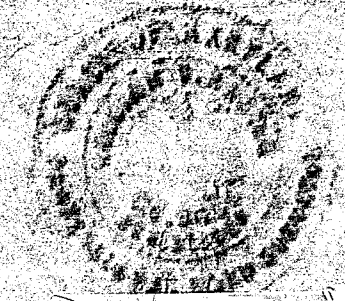
WE CLIFTON C. LINK, JR., PAGE H. LINK & RUTH B. LINK, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE OFFICE OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MD, ITS SUCCESSORS AND ASSIGNS: 1. THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER LINES AND OTHER MUNICIPAL UTILITIES AND SERVICES IN AND UNDER ALL ROADS AND STREETS AND OTHER MUNICIPAL UTILITIES AND SERVICES SHOWN HEREON; 2. STREET RIGHT OF WAYS AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; 3. DEDICATE TO PUBLIC USE THE BEDS OF THE STREETS AND OF ROADS AND FLOODPLAINS AND OPEN SPACE WHERE APPLICABLE AND FOR ONE DOLLAR CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND OF ROADS AND FLOODPLAINS AND OPEN SPACE WHERE APPLICABLE; 4. THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE BREWED ON OR OVER THE EASEMENTS AND RIGHT OF WAYS AND; 5. IT IS FURTHER AGREED THAT MAINTENANCE OF ALL WATERWAYS, DRAINAGE EASEMENTS AND OF FLOODPLAINS SHOWN HEREON ARE THE RESPONSIBILITY OF PROPERTY OWNERS ITS SUCCESSORS AND ASSIGNS. WITNESS OUR HANDS THIS 12th DAY OF JUNE 1976.

*Clifton C. Link Jr.*  
*Page H. Link*      *Ruth B. Link*

**SURVEYORS CERTIFICATE OWNER & DEVELOPER**

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT THAT IT IS A SUBDIVISION OF PART OF THE LANDS CONVEYED BY FREDERICK RANDALL ET AL TO CLIFTON C. LINK, JR., PAGE H. LINK, HIS WIFE RUTH B. LINK BY DEED DATED NOVEMBER 23, 1971 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIGER 578 FOLIO 282 AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND.

WILLIAM G. HARTEL, P.L.S. N° 9436      DATE \_\_\_\_\_



CLIFTON C. LINK  
12979 CLARKSVILLE PIKE  
HIGHLAND, MD 20777

**LOTS 1, 2 & 3  
CLIFTON C. LINK  
PROPERTY**

FIFTH ELECTION DISTRICT      HOWARD CO., MD  
SCALE: 1"=100'      JUNE 14, 1976

RECEIVED

JUL 8 1976  
DIVISION OF LAND DEVELOPMENT  
OF HOWARD COUNTY