

LAYOUT 11-15-02 1-2pm INSP 4 \_\_\_\_\_  
 INSP 2 11/19/02 2PM INSP 5 \_\_\_\_\_  
 INSP 3 10/9/03 2:30 INSP 6 \_\_\_\_\_

ISSUE DATE: 11/8/2002

P 517992

APPROVAL DATE: 10/9/03

A 58128-B

# PERMIT INDEXED

## ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

05-435498

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL  ALTER

ADDRESS: 580 Obrecht Road, Sykesville PHONE NUMBER: 410-795-5670

SUBDIVISION: Cliffton Link LOT NUMBER: 9

ADDRESS: 13520 Nichols Drive PROPERTY OWNER: Michael J. Barnes

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): ~~200~~ 1250 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 210

LINEAR FEET OF TRENCH REQUIRED: 280 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be <u>3.0</u> feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box midway between the two upper corner easement (as shown on the building permit plan). Run trenches on contour in both directions.
NOTES:	

PLANS APPROVED: Brian Baker *OK* 4/26/02 *(SC)* DATE: 4/12/2002

NOTES: PERMIT VOID AFTER 2 YEARS  
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
 WATERTIGHT SEPTIC TANKS REQUIRED  
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

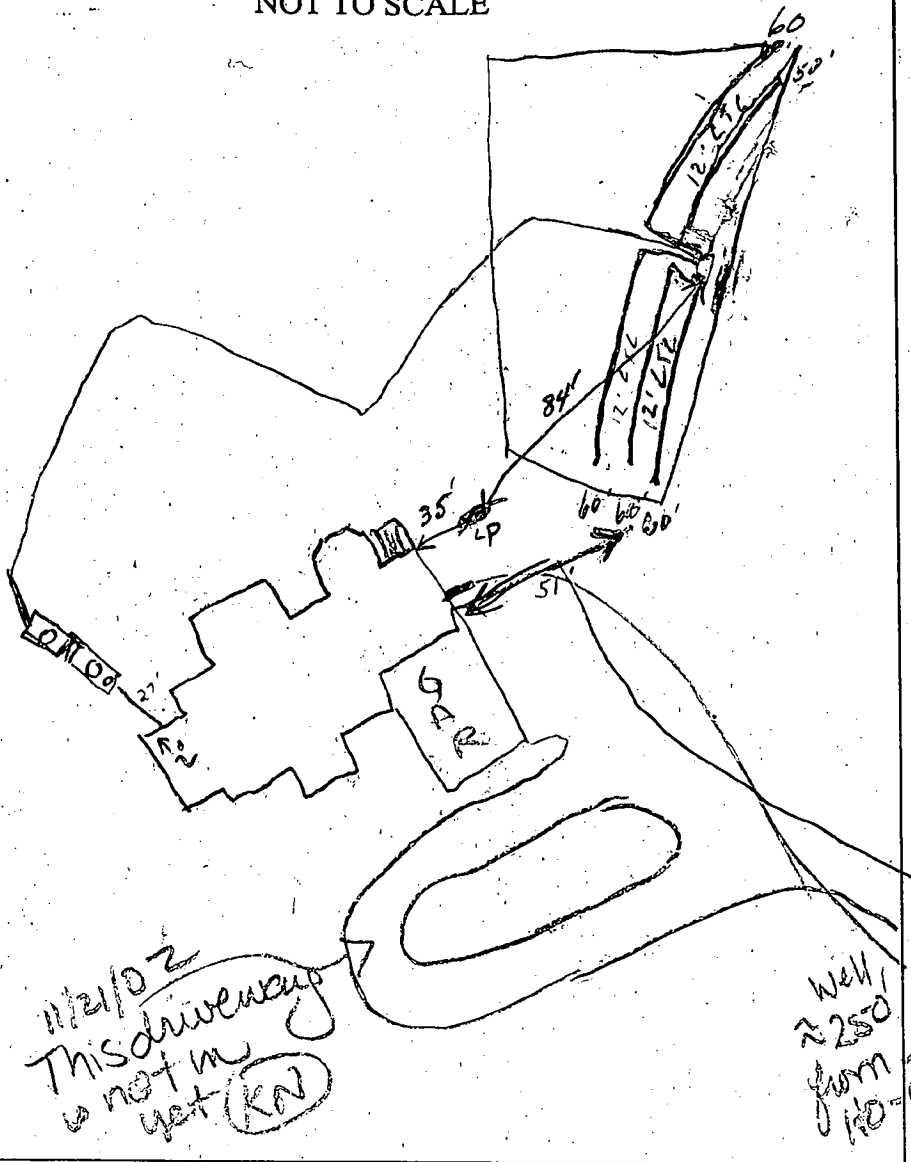
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS  
 RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM  
 BUILDING PERMIT SIGNED**

**AND RETURNED**

10/10/2003 B00142323 1000 gal LG PROPANE TANK

58128-B

NOT TO SCALE



11/21/02  
This driveway  
is not in  
yet (KN)

well  
2250  
farm  
140-94-2964

NICHOLS DRIVE

ROAD

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	4'	6'
NUMBER OF TRENCHES		5
TOTAL LENGTH		290'
ABSORPTION AREA		8704
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		?

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	✓
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	3.5'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST	—
SEPTIC TANK 2 LEVEL	✓
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	3'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Center
6" PORT LOC	—
WATERTIGHT TEST	—

PRE-CONSTRUCTION 11/15/02 - DUE TO STAFFING CONFLICTS, LAYOUT DISCUSSED W/ INSTALLER AT PREVIOUS SITE, INSTALLER (KENNY MAYNE) REPORTS CONTOUR PER PLAN & SDA STAKED. OK TO RUN PUMP LINE NOT PER PLAN FOR EASIER INSTALLATION, SEE PLAN (SRK)

INSTALLATION 11/19/02 Tanks set, Trenches installed OK to cover.  
Digging pressure dosing line. Contractor will call w/ measurements.  
Pump & Alarm tests needed (SO) 11-21-02 Check patless adapter. (KN) 10/9/03 Pump & alarm test OK (KN/KB)

FINAL INSPECTOR Racie Norman DATE OF APPROVAL 11/19/02

BUILDING PERMIT SECOND



---

**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.

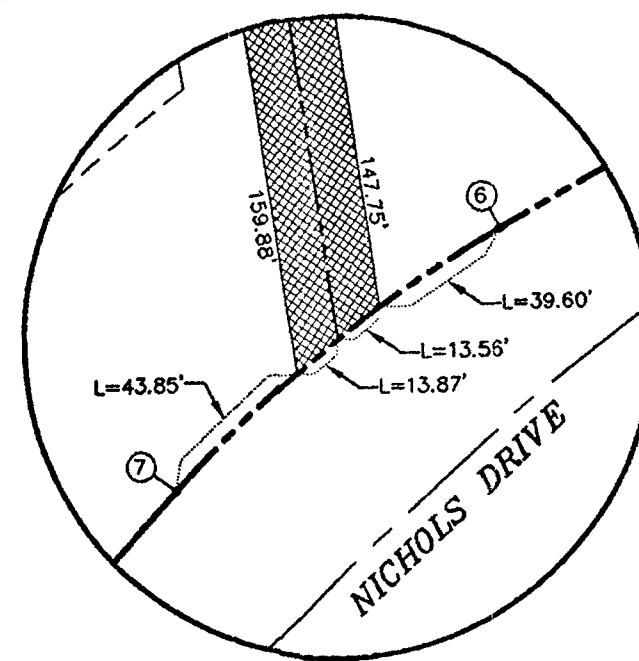
cc:File

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

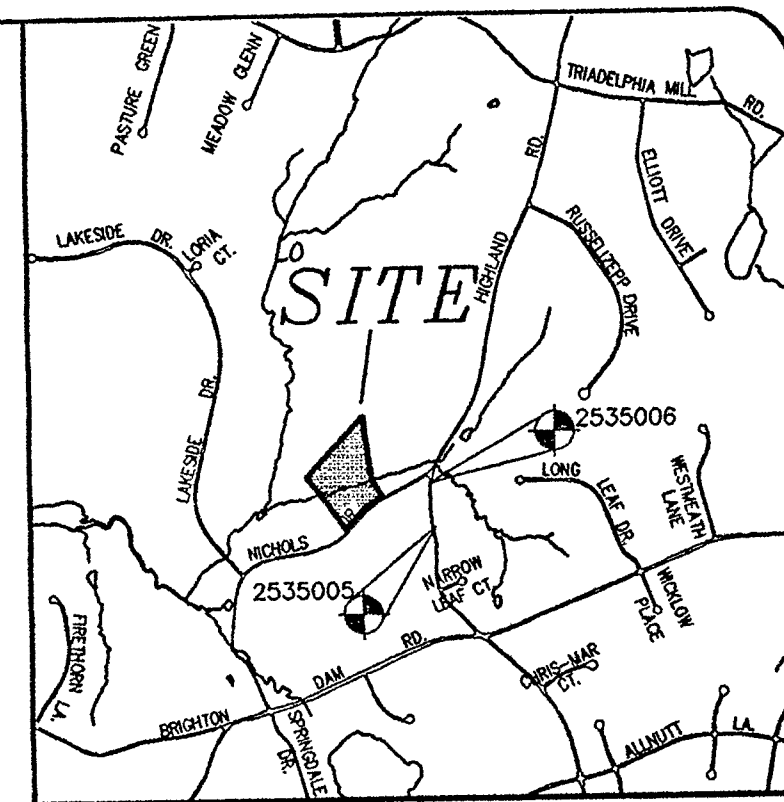
NOTE: COORDINATES AND GRID TICS SHOWN HEREON ARE BASED ON NAD '83 AND ARE IN FEET, TO CONVERT TO METERS DIVIDE BY 3.28083333.

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



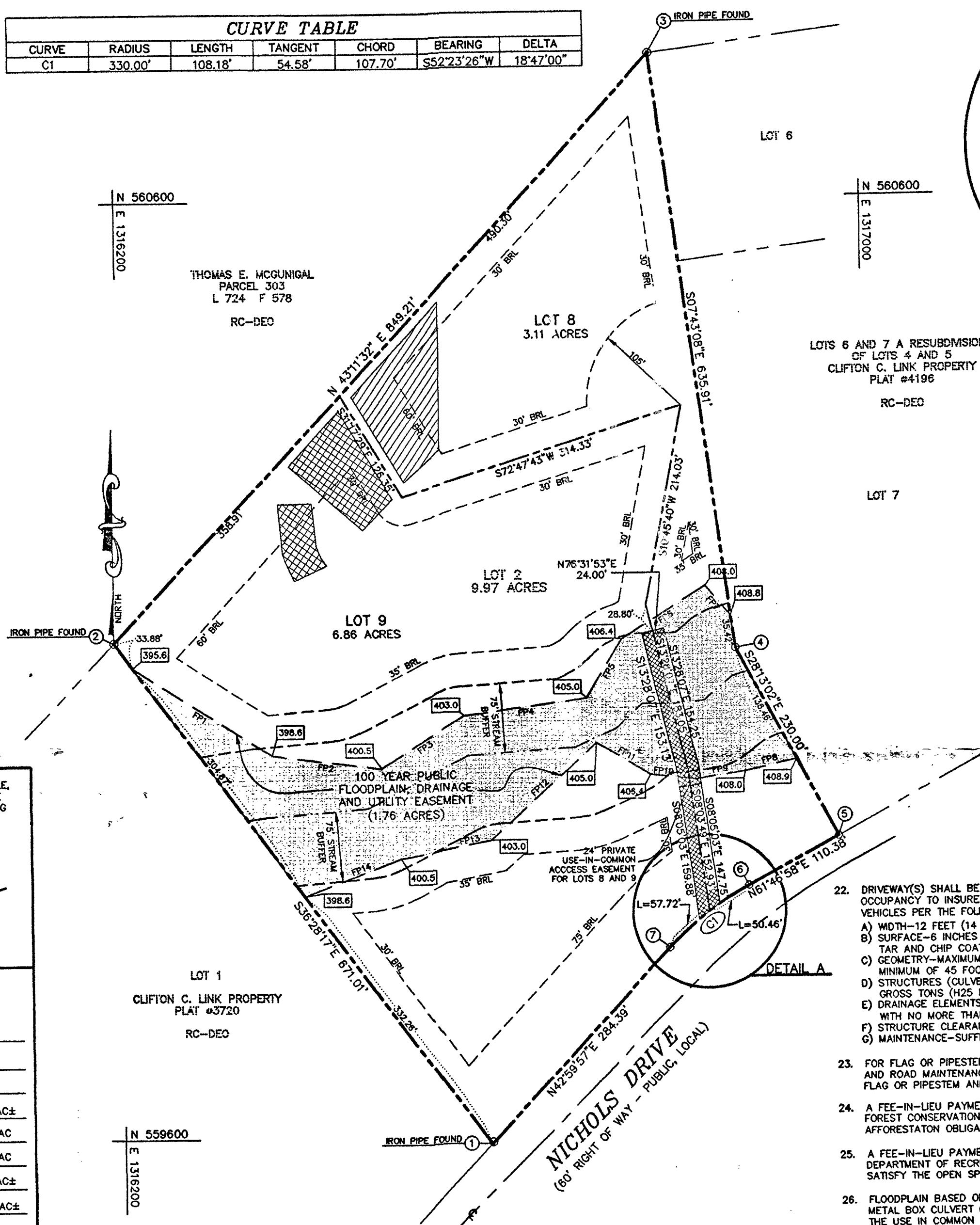
DETAIL A  
SCALE: 1" = 50'



VICINITY MAP  
SCALE 1"=2000'

**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 9. 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.



**OWNER AND DEVELOPER**

MICHAEL & SUSAN BARNES  
7748 PATUXENT OAK COURT  
ELKBRIDGE, 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 PLAT AND THE SETTING OF MARKERS HAVE BEEN COMPLIED WITH.

JOHN S. MILDENBERG, SURVEYOR  
DATE 1/9/02  
SUSAN E. BARNES, OWNER  
DATE 1/9/02  
MICHAEL J. BARNES, OWNER  
DATE 1/9/02

**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

HOWARD COUNTY HEALTH OFFICER  
DATE 2/15/02

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION  
DATE 2/20/02

DIRECTOR  
DATE 2/26/02

**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, 3) 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 ERRECTED ON OR OVER THE SAID EASEMENT AND RIGHTS-OF-WAY.

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

SUSAN E. BARNES, OWNER  
MICHAEL J. BARNES, OWNER

STEPHANIE DEMELDIE, WITNESS  
STEPHANIE DEMELDIE, 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 SHOWN IN PLACE OR WILL BE IN PLACE AS SHOWN IN ACCORDANCE WITH SECTION 16.124 OF THE MARYLAND AS AMENDED AND THAT THE RESUBDIVISION IS IN ACCORDANCE WITH THE HOWARD COUNTY CODE OF ACCORDANCE WITH THE HOWARD COUNTY CODE.

JOHN S. MILDENBERG, L.S. No. 10718  
DATE 1/9/02

RECORDED AS PLAT 15285 ON 2/26/02 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  
SHEET 1 OF 1

TAX MAP 34 FIFTH ELECTION DISTRICT SCALE: 1"=100'  
PARCEL NO. 368 HOWARD COUNTY, MARYLAND DATE: JAN 2002  
LOT NO. 2 EX. ZONING RR-DEO 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 Balt. (301) 621-5521 Wash. (410) 997-0296 Fax.

**COORDINATES**

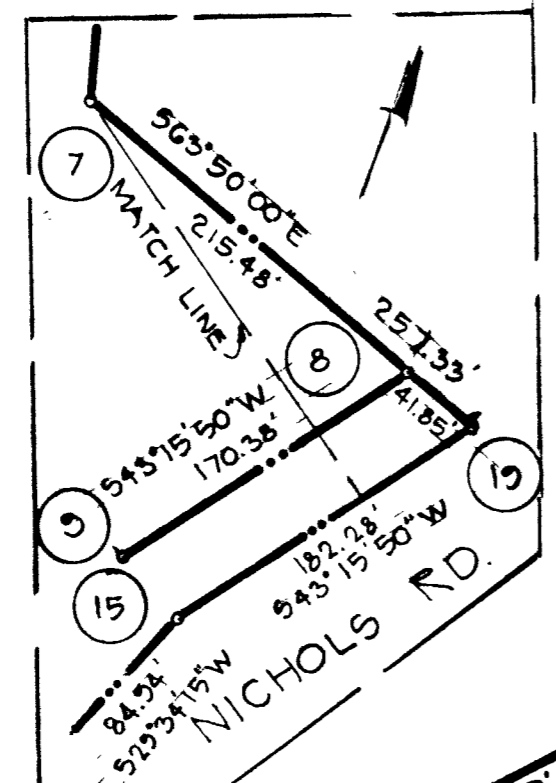
N°	NORTH	EAST
1	10000.000	10000.000
2	10029.851	10010.501
3	10327.326	10119.148
4	10382.999	10139.488
5	11263.189	11315.823
6	11336.991	11820.845
7	10891.902	11887.411
8	10796.878	12080.807
9	10672.809	11964.058
10	10537.184	11750.956
11	10374.807	11257.996
12	10324.856	11162.119
13	10071.771	10826.210
14	10020.280	10668.521
15	10645.399	11993.167
16	10571.518	11951.249
17	10330.799	11219.802
18	9988.860	10766.033
19	10778.423	12118.369

**CURVE DATA**

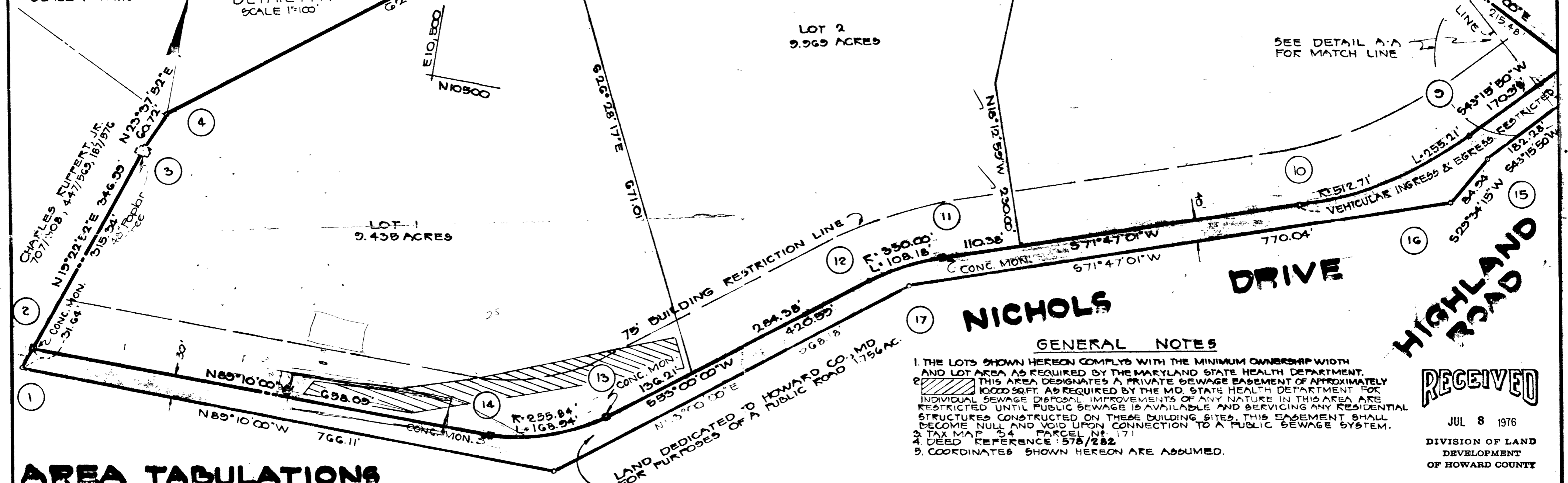
N°	RADIUS	LENGTH	Δ	TAN.	CHORD	BEARING
11-12	550.00'	108.18'	18°47'01"	54.58'	962.23'	9°00'00"W 107.70'
13-14	255.84'	168.94'	37°50'00"	87.65'	971.91'	9°00'00"W 169.88'
9-10	512.71'	255.21'	28°31'11"	130.31'	957.31'	9°00'00"W 251.58'



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 DESIGNATED A PRIVATE SEWAGE EASEMENT OF APPROXIMATELY 1000 SQ. FT. 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 34 PARCEL NO. 171
- DEED REFERENCE: 578/282
- 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 PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES IN AND UNDER ALL LOADS AND STREET RIGHT OF WAYS AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; 2) DEDICATE TO PUBLIC USE THE BEDS OF THE STREETS AND OR 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 OR ROADS AND FLOODPLAINS AND OPEN SPACE WHERE APPLICABLE; 3) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANYKIND SHALL BE ERECTED ON OR OVER THE SAID EASEMENTS AND RIGHT OF WAYS AND; 4) IT IS FURTHER AGREED THAT MAINTENANCE OF ALL WATERWAYS, DRAINAGE EASEMENTS AND/OR FLOODPLAINS SHOWN HEREON ARE THE RESPONSIBILITY OF PROPERTY OWNERS AND ITS SUCCESSORS AND ASSIGNS.  
WITNESS OUR HANDS THIS 12th DAY OF JUNE 1976.

**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 FREDERIC A. 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 LIBER 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. NO. 9436 \_\_\_\_\_ DATE \_\_\_\_\_

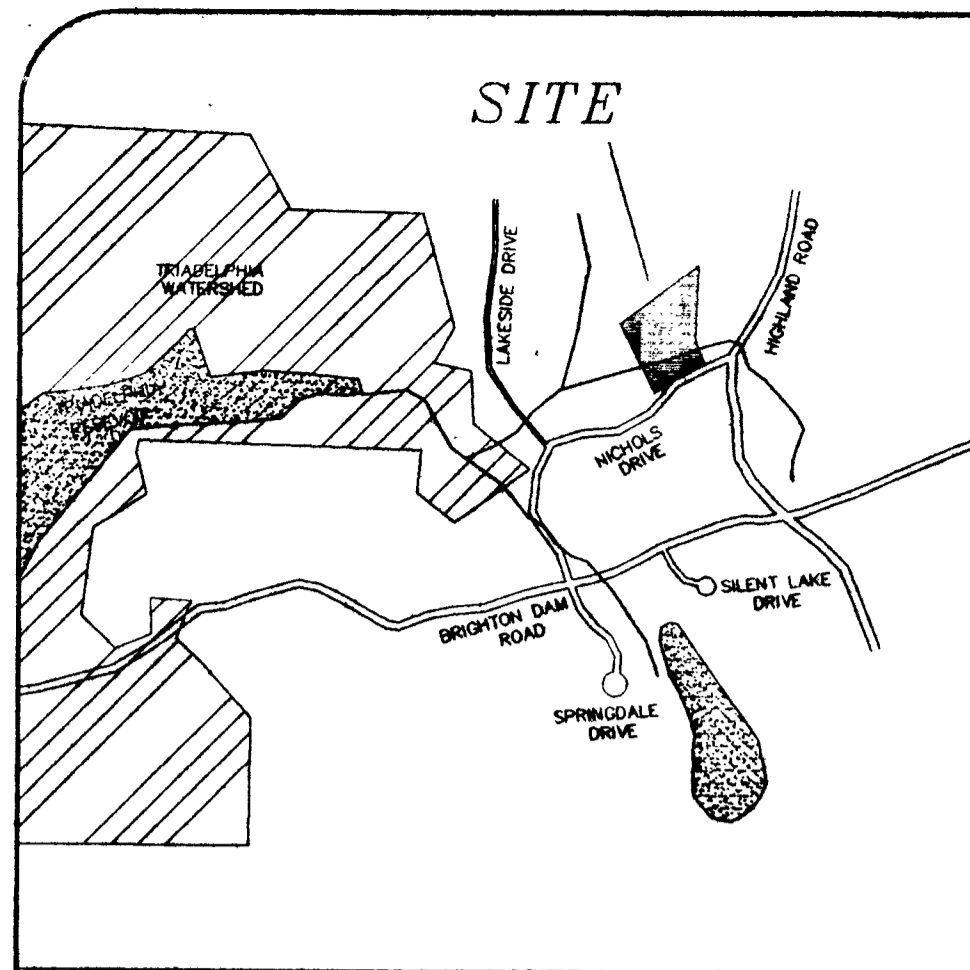
CLIFTON C. LINK  
12575 CLARKSVILLE PIKE  
HIGHLAND, MD. 20777

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

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

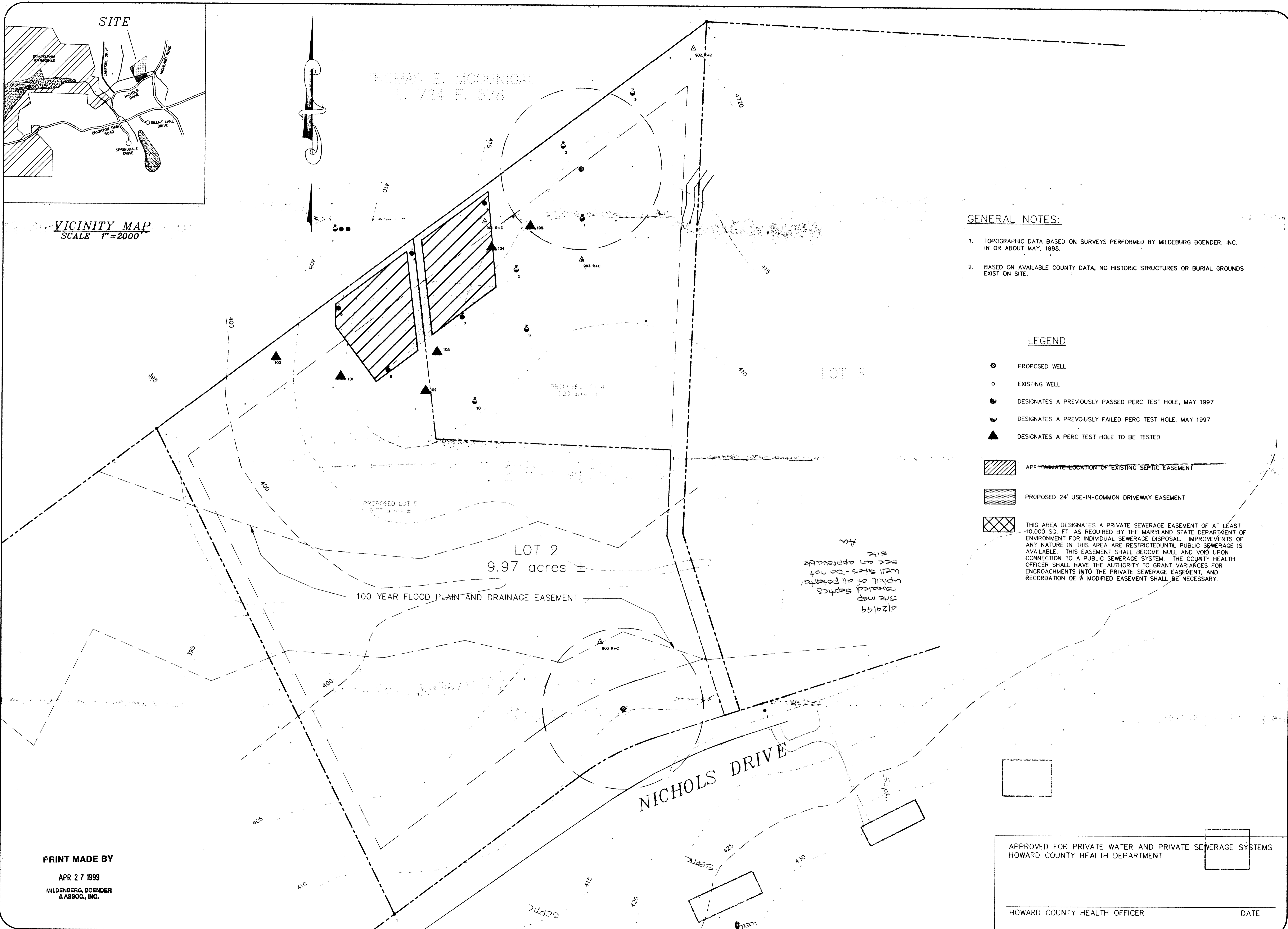
RECEIVED

JUL 8 1976  
DIVISION OF LAND DEVELOPMENT  
OF HOWARD COUNTY



VICINITY MAP  
SCALE 1"=2000'

THOMAS E. MCCOUNIGAL  
L. 724 F. 578



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.

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

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

PRINT MADE BY  
APR 27 1999  
MILDEBERG, BOENDER & ASSOC., INC.

Project	98035	date	4/20/99
Illustration	KS	engineering	RJH
scale	1"=50'	approval	RJH

no.	description	revision	date

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

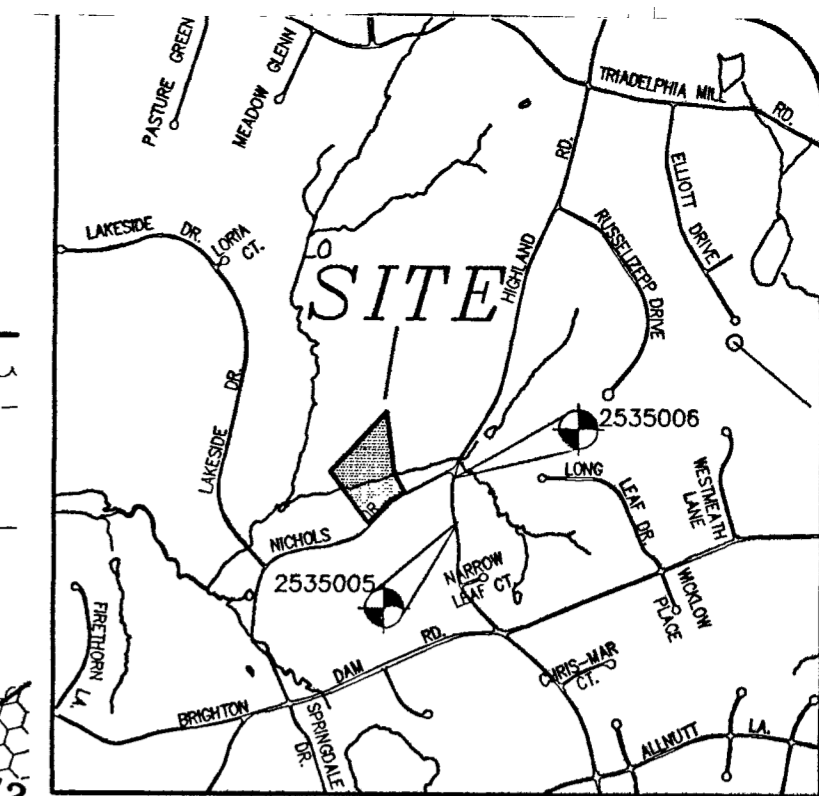
MILDEBERG, BOENDER & ASSOC., INC.  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Bot. (301) 621-5521 Wash. (410) 997-0296 Fax

(NOT TO BE ALTERED)

THOMAS E. MCGUNIGAL  
PARCEL 303  
L 724 F 578

RC-DEC

Future Sand  
Mound Area  
Repair



Project	date	approval
98035	JAN 2002	KR/SJD
Illustration	engineering	approval
KR/SJD	4/11/02	
scale	description	revisions
1"	1"	

1	REVISED LAYOUT OF SEPTIC SYSTEM & ADDED AREA TO THE CONVENTIONAL SEPTIC BASIN	4/11/02
no.	description	date

**CLIFTON C. LINK PROPERTY**  
16520 NICHOLS DRIVE  
TAX MAP 34 - PARCEL 386 - LOT 2  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
**PLOT PLAN**

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Fax (301) 621-5521 Wash. (410) 997-0298 Fax

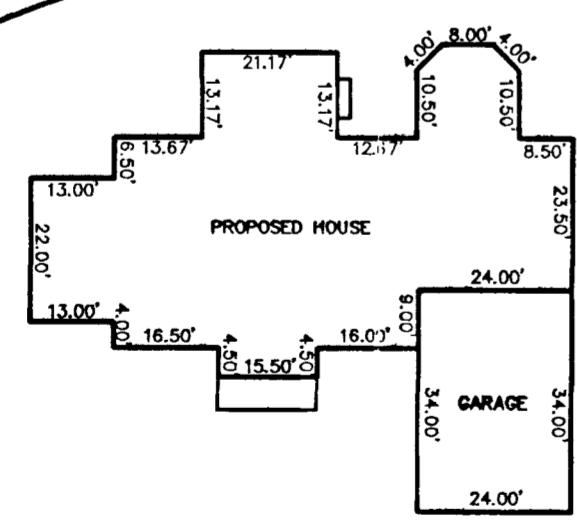
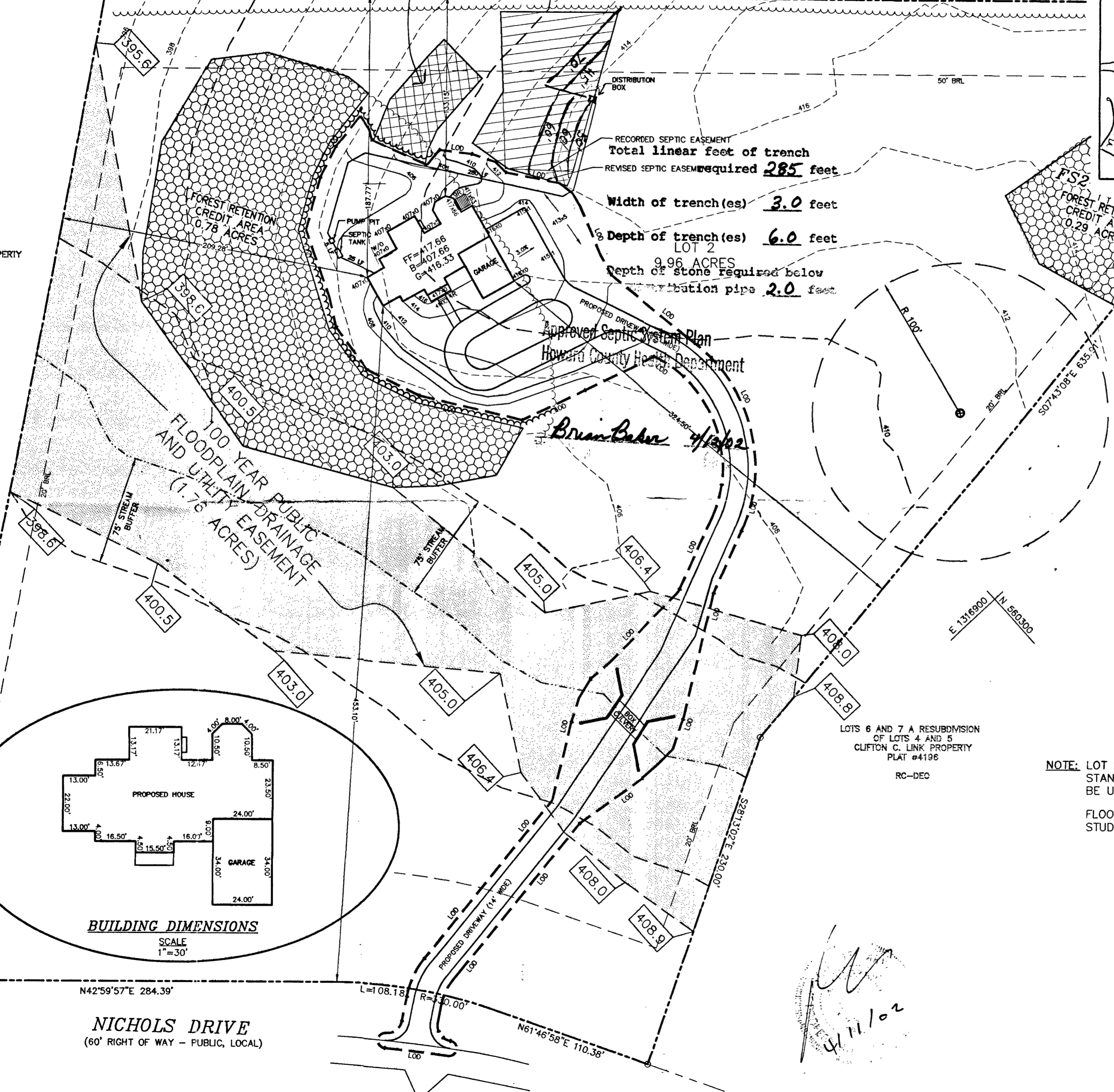
LOT 1  
CLIFTON C. LINK PROPERTY  
PLAT #3720  
RC-DEC

E 1316300  
N 559900

S36°28'17"E 671.01'

N42°59'57"E 284.39'

**NICHOLS DRIVE**  
(60' RIGHT OF WAY - PUBLIC, LOCAL)



LOTS 6 AND 7 A RESUBDIVISION  
OF LOTS 4 AND 5  
CLIFTON C. LINK PROPERTY  
PLAT #4196  
RC-DEC

**NOTE:** LOT SIZE EXCEEDS 2 ACRES, THEREFORE STANDARD SEDIMENT CONTROL PLAN SHALL BE USED.  
FLOODPLAIN BASED ON APPROVED FLOODPLAIN STUDY UNDER F 00-62.

**SEPTIC SYSTEM DATA**

FIRST FLOOR EL	417.66
BASEMENT EL	407.66
INV. OUT OF HOUSE	404.62
INV. IN SEPTIC TANK	404.12
INV. OUT SEPTIC TANK	403.87
INV. IN PUMP PIT	403.77
EXIST EL. SEPTIC TANK	406.4
PROP EL. SEPTIC TANK	406.0
EXIST EL. PUMP PIT	406.3
PROP EL. PUMP PIT	405.8
EXIST EL. DIST. BOX	414.1
INV. IN DIST. BOX	412.0

\* FORCE MAIN REQUIRED FROM PUMP PIT TO DISTRIBUTION BOX

4/11/02

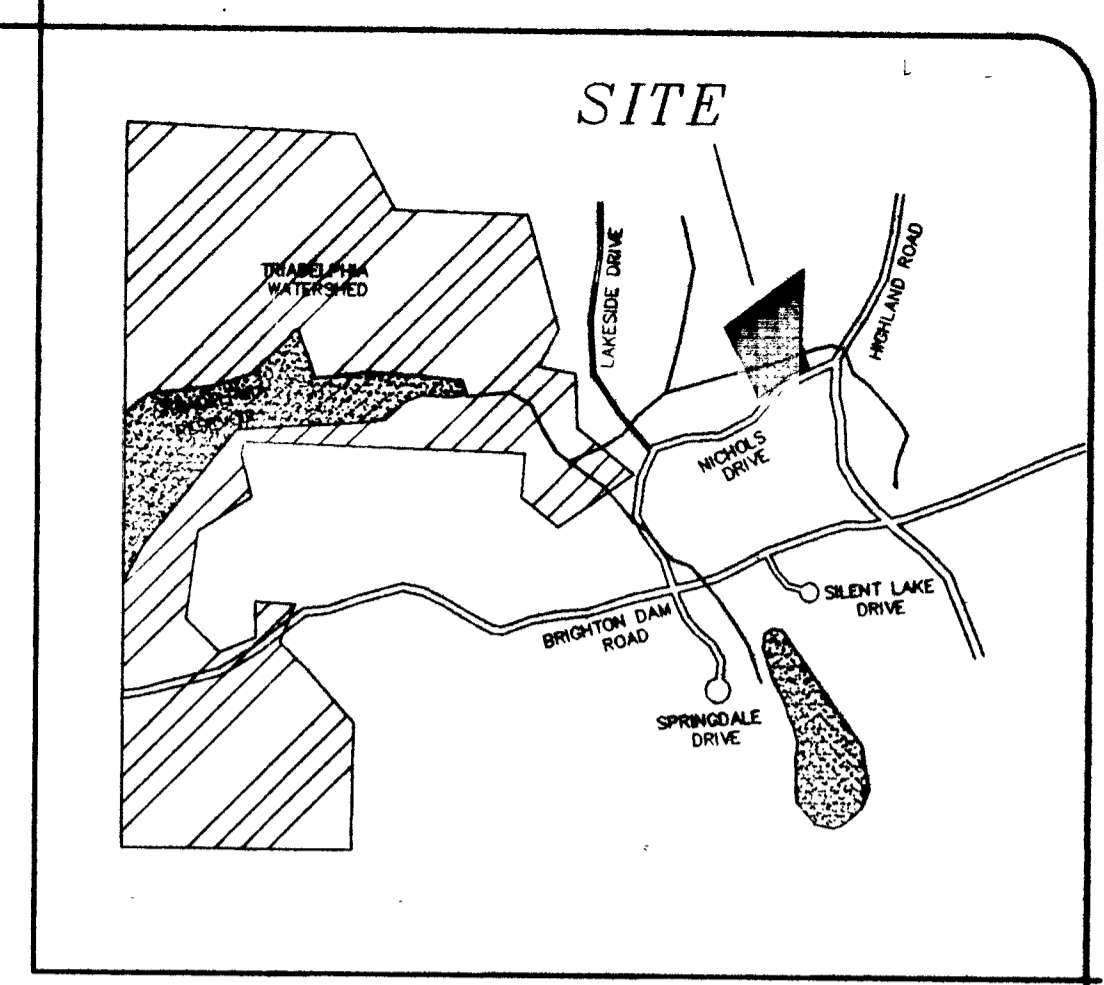
98035\DWG\98035-plot\_plan\_rev.dwg

Project	980395	Date	JAN 2000
Illustration	KAS	Engineering	KAS
Scale	1"=100'	Approval	KAS

Project	980395	Date	JANUARY 2000
Illustration	KAS	Engineering	KAS
Scale	1"=100'	Approval	KAS

**CLIFTON LINK PROPERTY  
PERCOLATION CERTIFICATION PLAT**

**MILDENBERG,  
BOENDER & ASSOC. INC.**  
Engineers Planners Surveyors  
7748 PATUXENT OAK COURT  
5072 DARBY HILL DRIVE, SUITE 202, ELKROTT OHY, MARYLAND 21042  
(410) 997-0296 Fax: (301) 821-5521 Wash. (410) 997-0298 Fax.



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

**GENERAL NOTES:**

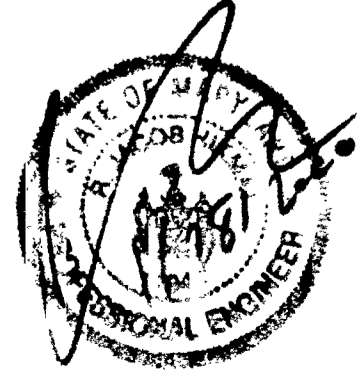
1. TOPOGRAPHIC DATA BASED ON SURVEYS PERFORMED BY MILDENBERG, BOENDER & ASSOCIATES IN OR ABOUT MAY, 1998.
2. BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON SITE.
3. SANDMOUND SYSTEM FOR LOT 2 SHALL BE THE FIRST SEPTIC INSTALLATION. AREA DESIGNATED FOR CONVENTIONAL TRENCH 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  
ELKROTT, MARYLAND 21227  
(410) 796-9455



E11500  
N11500

E11000  
N10500

THOMAS E. MCGUNICAL  
L. 724 F. 578

LOT 3

LOT 2  
9.97 acres ±

NICHOLS DRIVE

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

*David M. ...* 2/2/00  
HOWARD COUNTY HEALTH OFFICER DATE

980395.dwg 1:35 - sep 1/2000

C1 0289

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. OK SRU

COUNTY NUMBER A58128 B6/9/07

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" 10-94-296

OWNER Barnes Michael STREET OR RFD Nichols Drive TOWN Highland SUBDIVISION Clifton Link SECTION LOT 5

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Sand and Gray Mica Rock.

GROUTING RECORD. WELL HAS BEEN GROUTED (Y). TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC). NO. OF BAGS 29, NO. OF POUNDS 2726.

CASING RECORD. MAIN CASING TYPE: ST (STEEL). Nominal diameter 6 inches, Total depth 72 feet.

OTHER CASING (if used) diameter and depth.

SCREEN RECORD. screen type or open hole: ST (STEEL).

NUMBER OF UNSUCCESSFUL WELLS: 0. WELL HYDROFRACTURED: YES (Y), NO (N).

CIRCLE APPROPRIATE LETTER: A (WELL ABANDONED), E (ELECTRIC LOG OBTAINED), P (TEST WELL CONVERTED).

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. M SDO 24. DRILLERS SIGNATURE (Must match signature on application). LIC. NO. M D

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.) 125. C2. E A C H S C 3 R E E N. SLOT SIZE 1, 2, 3. DIAMETER OF SCREEN (NEAREST INCH) 56 to 60.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER). T (E.R.O.S.), W Q. TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST. HOURS PUMPED (nearest hour) 3. PUMPING RATE (gal. per min.) 10. METHOD USED TO MEASURE PUMPING RATE Bucket. WATER LEVEL (distance from land surface) BEFORE PUMPING 3 ft, WHEN PUMPING 73 ft. TYPE OF PUMP USED (for test) S (submersible).

PUMP INSTALLED. DRILLER INSTALLED PUMP YES (NO). IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 to 35. PUMP HORSE POWER 37 to 41. PUMP COLUMN LENGTH (nearest ft.) 43 to 47. CASING HEIGHT (circle appropriate box and enter casing height) (+) above, (-) below. LAND SURFACE 3 (nearest foot).

LOCATION OF WELL ON LOT. SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).



Nichols Drive

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 942964  
 Location of property (road) Nichols Drive  
 Subdivision Clyton Link Prop. Lot 5 Block      Plat      Sec.       
 Well Driller Joseph Mayne Owner S. Barnes & Michael Barnes

Depth of well 125  
 Distance of measuring point (M.P.) above ground 3'  
 Static water level (S.W.L.) below M.P. 3'

I. High rate pumping -- reservoir drawdown

Time pump started 10:15 Pumping rate 15 gpm.  
 Total time 10 min. to reach pumping water level 73 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5/1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
10:30	73'	4 sec.	N/A	15 gpm.
10:45	67	6		10
11:00	66	6		10
11:15	67	6		10
11:30	66	6		10
11:45	66	6		10
12:00	66	6		10
12:15	66	6		10
12:30	67	6		10
12:45	66	6		10
1:00	66	6		10
1:15	66	6		10
1:25	66	6		10

Bi 03728

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HD-94-2964

fill in this form completely

W514910 please print or type

Date Received (APA) 1/30/01

OWNER INFORMATION

Barnes Susant Michael 7748 Patuxent Oak Ct. Elkridge Md 21227

LOCATION OF WELL

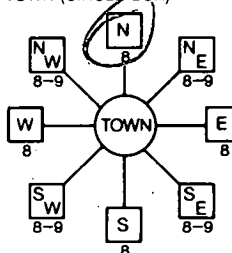
Howard Clifton Link Prop Proposed Highland

MILES FROM TOWN (enter 0 if in town) 3 1/2

DRILLER INFORMATION

Joseph L. Mayne MS D 24 5512 Ridge Rd. Mt. Airy, Md. 21771 1/27/2001

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Nicholas Drive NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 475 FT

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

TAX MAP: BLK: PARCEL

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled) FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard CO A58128B COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 2/1/01 EXP. DATE 2/1/02

APPROXIMATE DEPTH OF WELL 280 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary DRive-POINT

REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS THIS WELL WILL DEEPEIN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER GAP PERMIT No. HD-94-2964

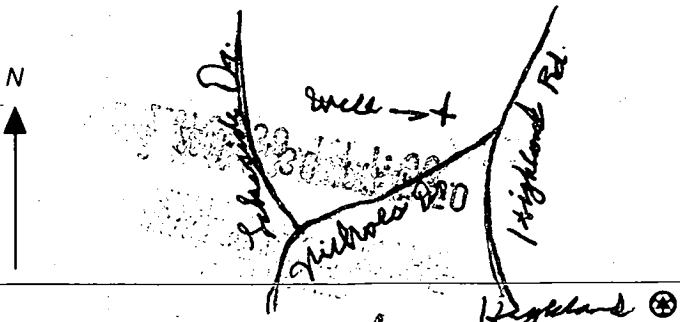
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER 1. WELL

WRITE THE BOX NUMBER FROM THE MAP HERE

E 800 N 500

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

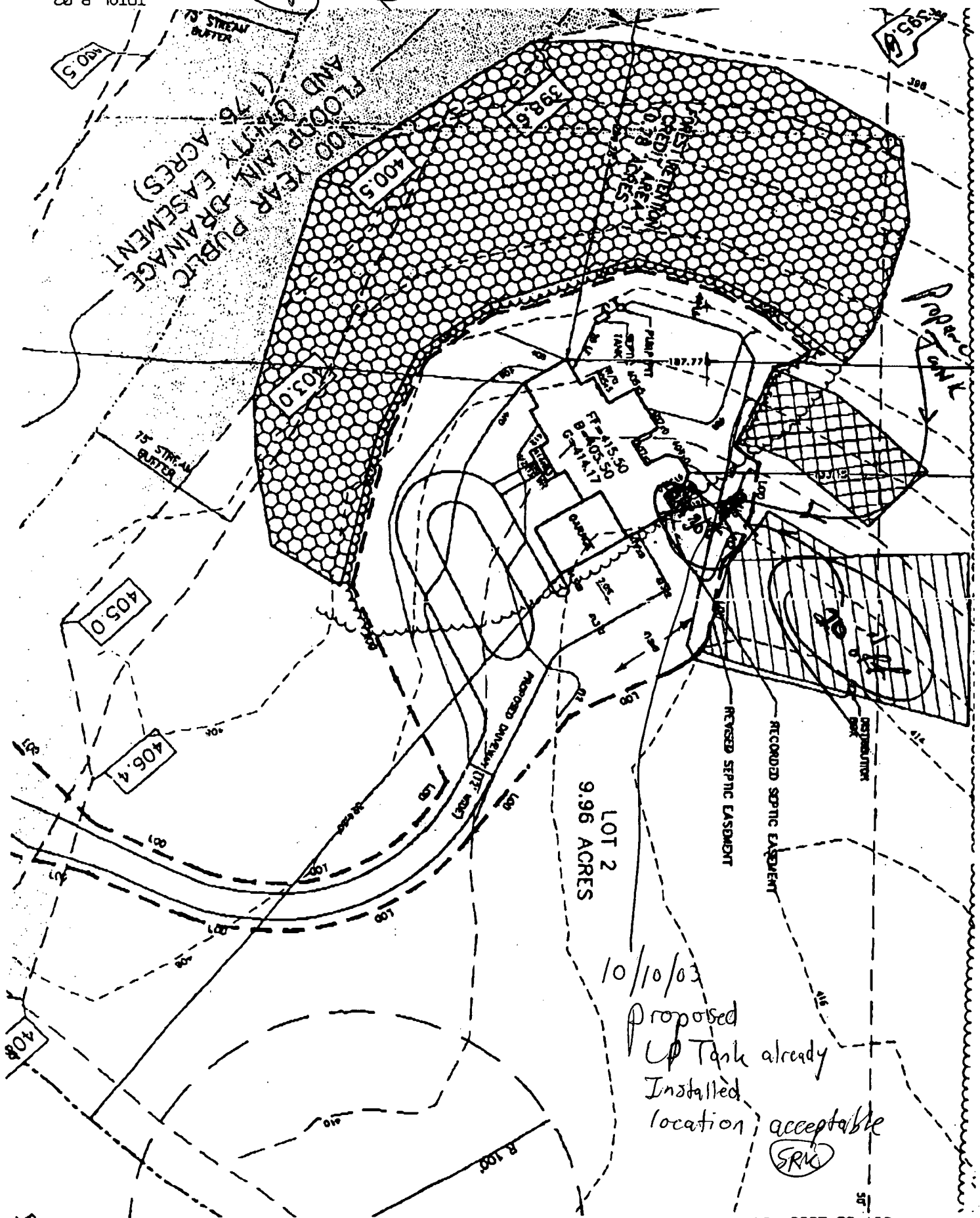




10/9/03  
Permit assigned  
191

Tank in  
ground

TOTAL P. 02



10/10/03  
Proposed  
Up Tank already  
Installed  
location acceptable  
SRK



---

## 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 *AM*

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

Howard County Health Department

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

FAILED SAND  
MOUND SEPTIC  
SYSTEM  
INFILTROMETER  
TESTS

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

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

HD-170



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, Blopores, 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 \_\_\_\_\_ S1'D \_\_\_\_\_ 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. 1205 DESCRIBED BY Amy McMillen \_\_\_\_\_ 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	blky			
	37	7.5YR 4/6		siCiLm	prism	10%		
	59	5YR 4/6	7.5YR 6/2	siLm	none	30%		

LANDSCAPE

Position

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

Slope

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

SOIL DRAINAGE CLASS

ED \_\_\_\_\_ MWD \_\_\_\_\_ PD \_\_\_\_\_  
 WD \_\_\_\_\_ S1'D \_\_\_\_\_ V1'D \_\_\_\_\_

WATER TABLE

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

LIMITING ZONE

SOIL CLASSIFICATION

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



SOIL DESCRIPTION

NAME Clifton 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 McMiller \_\_\_\_\_ 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 S	blkv		
	33"	5YR 4/6	—	SiLm	none		40%	
	48"	5YR 4/6		Salm	granular		70%	quartzite

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 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 McMillen \_\_\_\_\_ N

Horizon	Depth In.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
	10	7.5YR 4/6		sisal m	prism		none	
	38	2.5YR 4/6		cl m	none			
	45	7.5YR 5/8	10YR 6/4	cl m				transition zone many mottles
	52	10YR 5/8	2.5Y 6/4	sacl m	sub blocky			many mottles

LANDSCAPE

Position

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

Slope

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

SOIL DRAINAGE CLASS

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

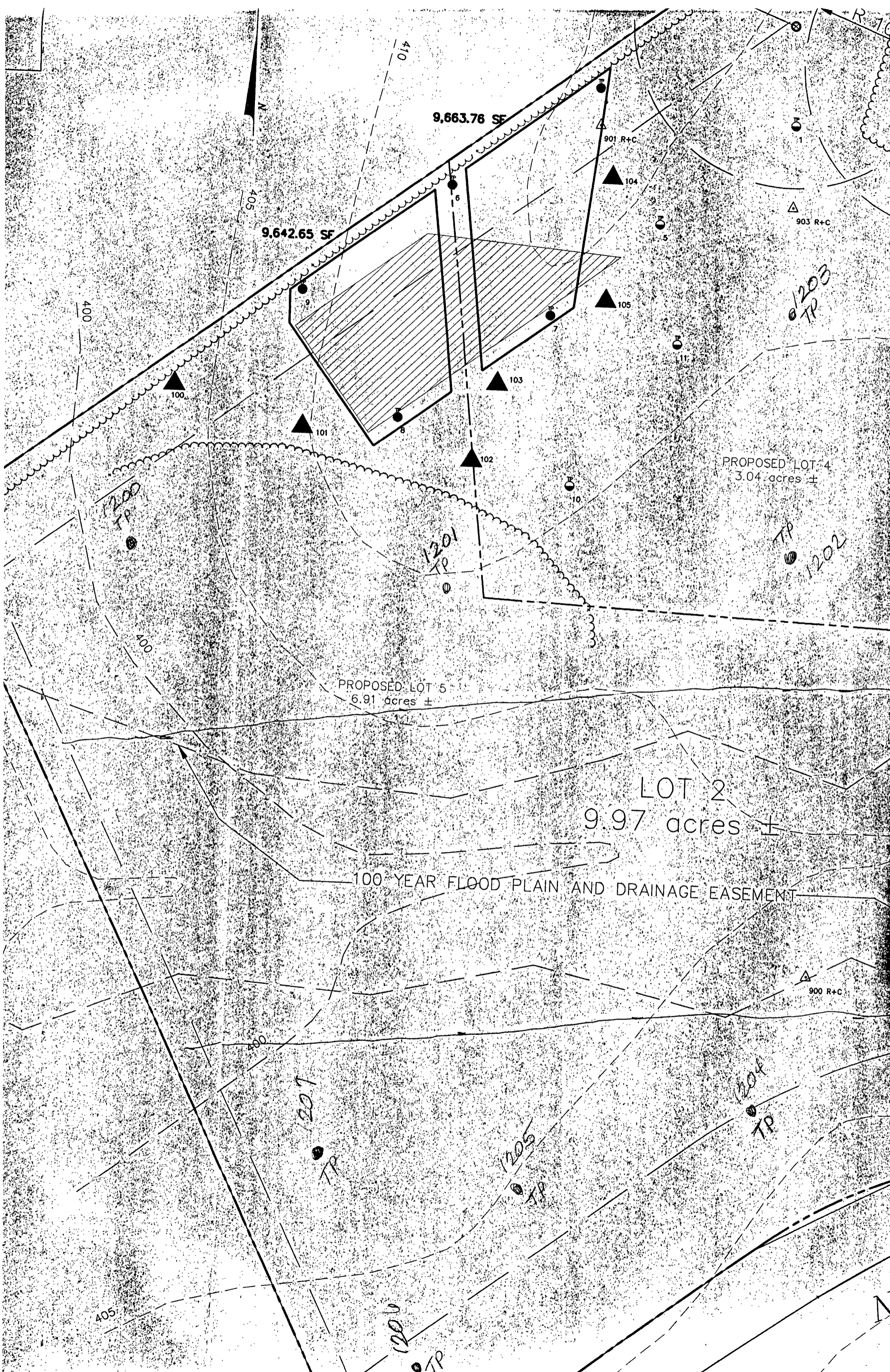
WATER TABLE

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

LIMITING ZONE

SOIL CLASSIFICATION

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



9,663.76 SF

9,642.65 SF

PROPOSED LOT 4  
3.04 acres ±

PROPOSED LOT 5  
6.91 acres ±

LOT 2  
9.97 acres ±

100 YEAR FLOOD PLAIN AND DRAINAGE EASEMENT

400

410

405

400

400

405

901 R+C

903 R+C

900 R+C

100

101

103

102

105

104

1200  
TP

1201  
TP

1202  
TP

1203  
TP

1207  
TP

1205  
TP

1204  
TP

1206  
TP

N

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"	
			10:42	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"	
			10:40	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>



TEST DATA

NAME <u>Clifton Link</u>	FILE NO _____
LOCATION <u>Nichols Drive</u>	COUNTY <u>Howard</u>
_____	DATE <u>9/1/99</u>
RECORDED BY <u>BB</u>	GRID _____ E
	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 9/16"	
			1:34	19 min	4 7/16"	
			1:51	17 min	3 1/2"	
			2:05	14 min	3"	Refill, raised to 7"
	PASS		2:24	19 min	6 5/16"	27
			2:41	17 min	5 13/16"	34
			3:07	26 min	5 2/16"	39
			3:31	24 min	4 1/2"	38
			4:03	32 min	3 11/16"	51 min/inch <span style="border: 1px solid black; padding: 2px;">PASS</span>
	2017	16"	1:08		7"	
			1:21	13 min	6 7/16"	
			1:36	15 min	5 14/16"	
			1:53	17 min	5 10/16"	
			2:08	15 min	5 6/16"	
	FAIL		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 Clifton Link FILE NO \_\_\_\_\_

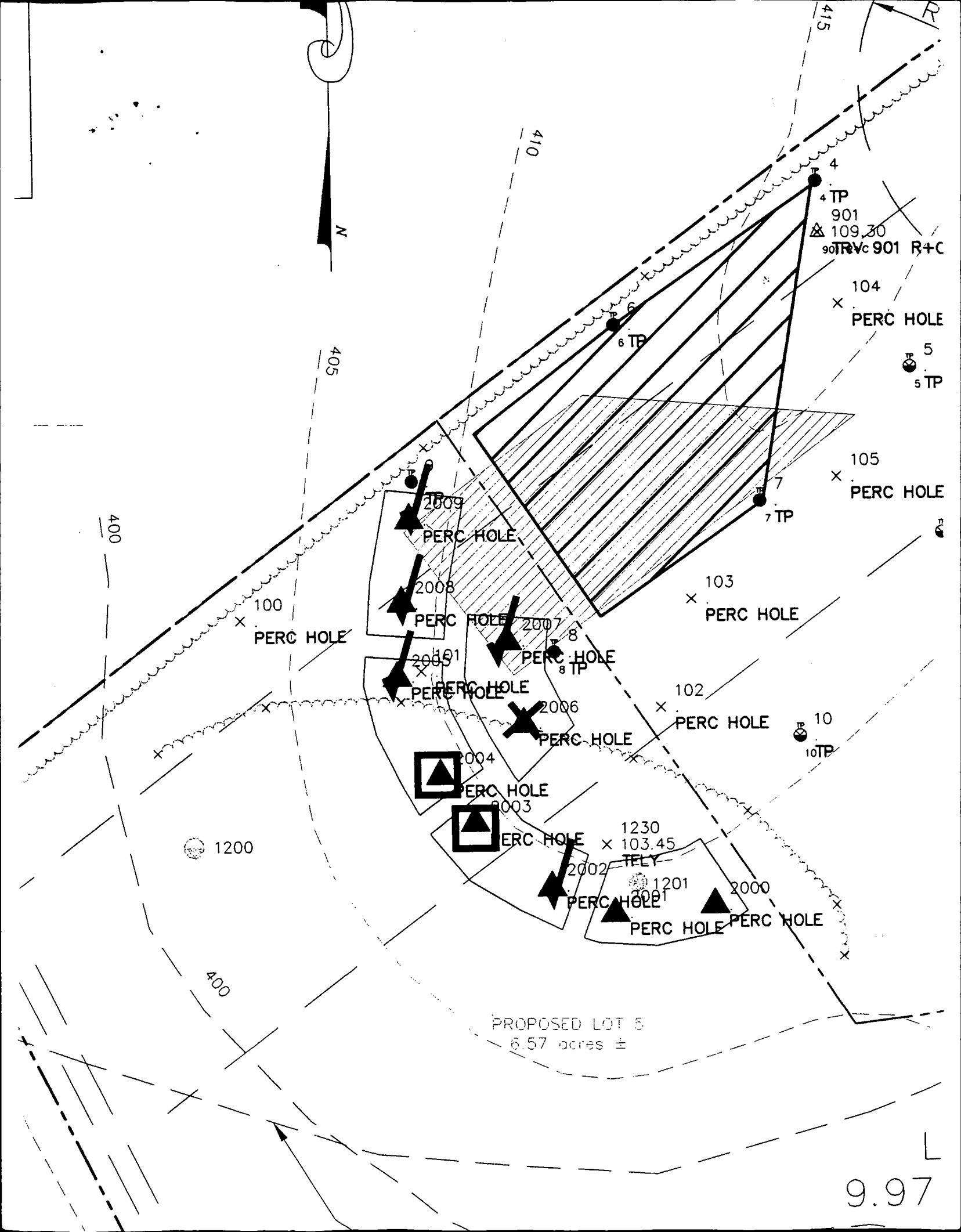
LOCATION Nichols Drive COUNTY Howard

DATE 9/1/99

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

RECORDED BY BB N

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



N

PROPOSED LOT 5  
6.57 acres ±

9.97

4 TP  
901  
109.30  
90TRVc 901 R+C

104  
PERC HOLE

5 TP

105  
PERC HOLE

103  
PERC HOLE

102  
PERC HOLE

10 TP

1230  
103.45  
TELY

1201  
2000  
PERC HOLE PERC HOLE

400

405

410

415

400

1200

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 7/16"	
			2:13	16 min	6 3/16"	
			2:28	15 min	5 15/16"	
			2:43	15 min	5 11/16"	
			3:00	17 min	5 8/16"	
	<b>FAIL</b>		3:15	15 min	5 5/16"	
			3:31	16 min	5 1/16"	
			3:46	15 min	4 15/16"	
			4:02	16 min	4 13/16"	128
			4:17	15 min	4 10/16"	79
			4:32	15 min	4 8/16"	120
			4:48	16 min	4 4/16"	104 min/inch <b>FAIL</b>
	2002	18"	2:17	0 min	7"	
			2:32	15 min	5 11/16"	
			2:47	15 min	4 10/16"	Add Water + Reset to 7"
			3:02	15 min	6 4/16"	
			3:17	15 min	5 7/16"	
			3:32	15 min	4 10/16"	Add Water + Reset
	<b>PASS</b>		3:47	15 min	3 11/16"	
			4:03	16 min	2 15/16"	
			4:18	15 min	2 5/16"	
			4:33	15 min	1 11/16"	Add Water + Reset to 7"
			4:50	17 min	1"	2.4 min/inch <b>PASS</b>



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"	
		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"	
		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

SLOW

SLOW

SLOW

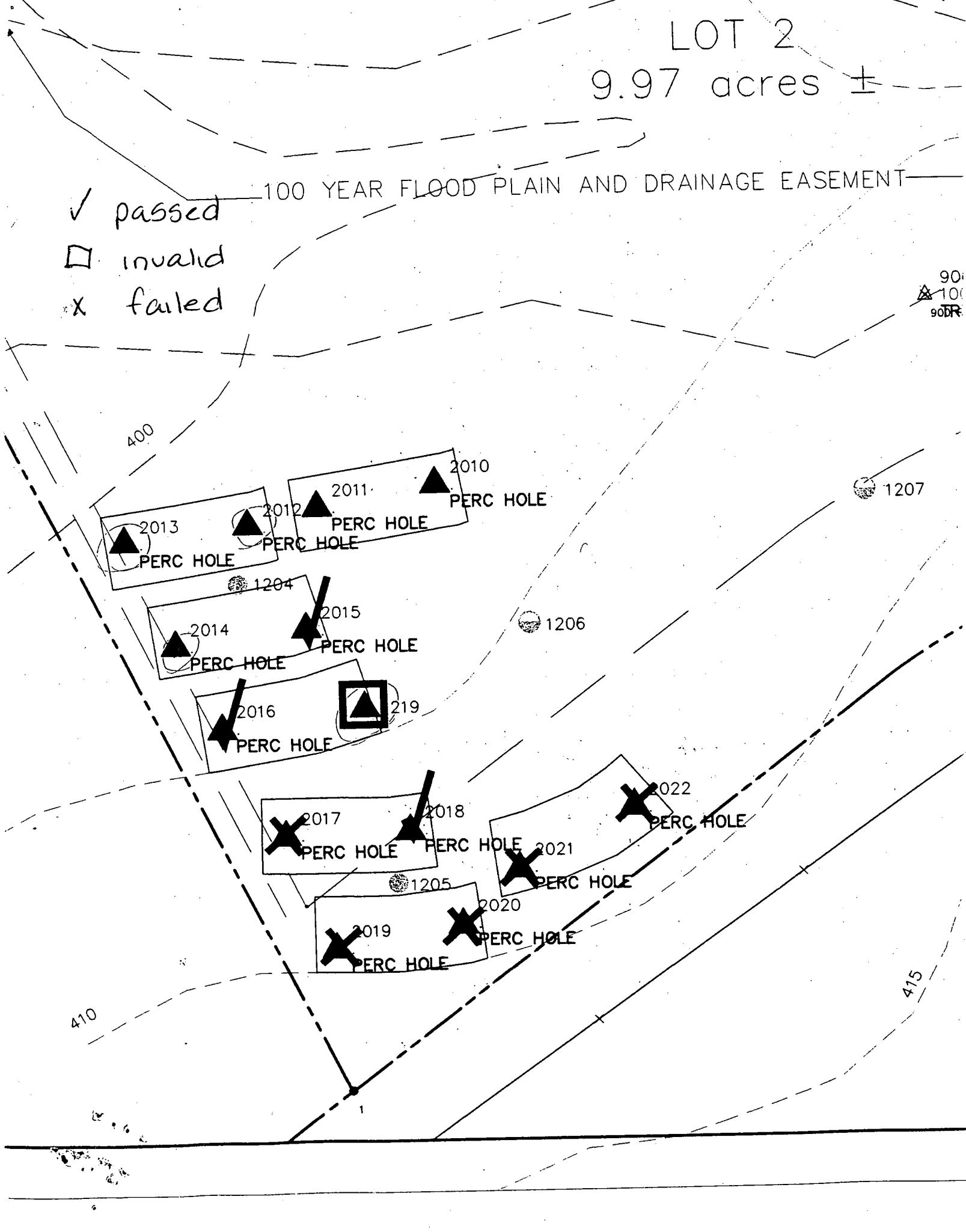
SLOW

LOT 2  
9.97 acres ±

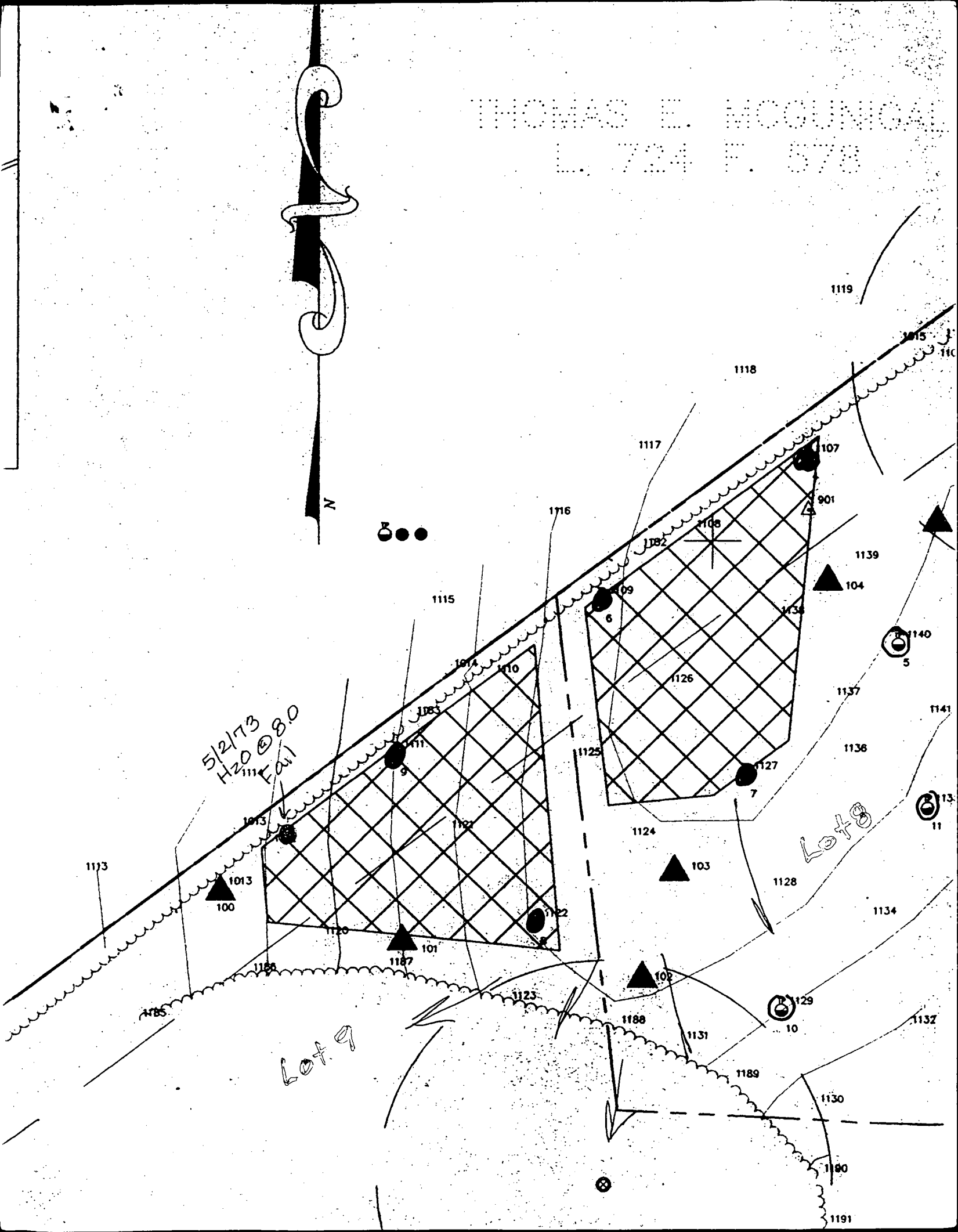
100 YEAR FLOOD PLAIN AND DRAINAGE EASEMENT

- ✓ passed
- invalid
- x failed

90'  
10'  
90' DR



THOMAS E. MCOUNGAL  
L. 724 F. 578



5/2/73  
H2O @ 8.0  
Fall

Lot 8

Lot 9

5/30/97  
10:00  
385  
604-1000

# 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 21227 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. 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

COUNTY #

SOIL PROFILE

0'  
dark red SiClm  
3.0  
lgt yellow orange SiClm  
5.0  
brown red SiLm  
7.5  
dark clamp micaceous SiLm  
10.0  
water

2

bright orange yellow SiClm <5% Stones

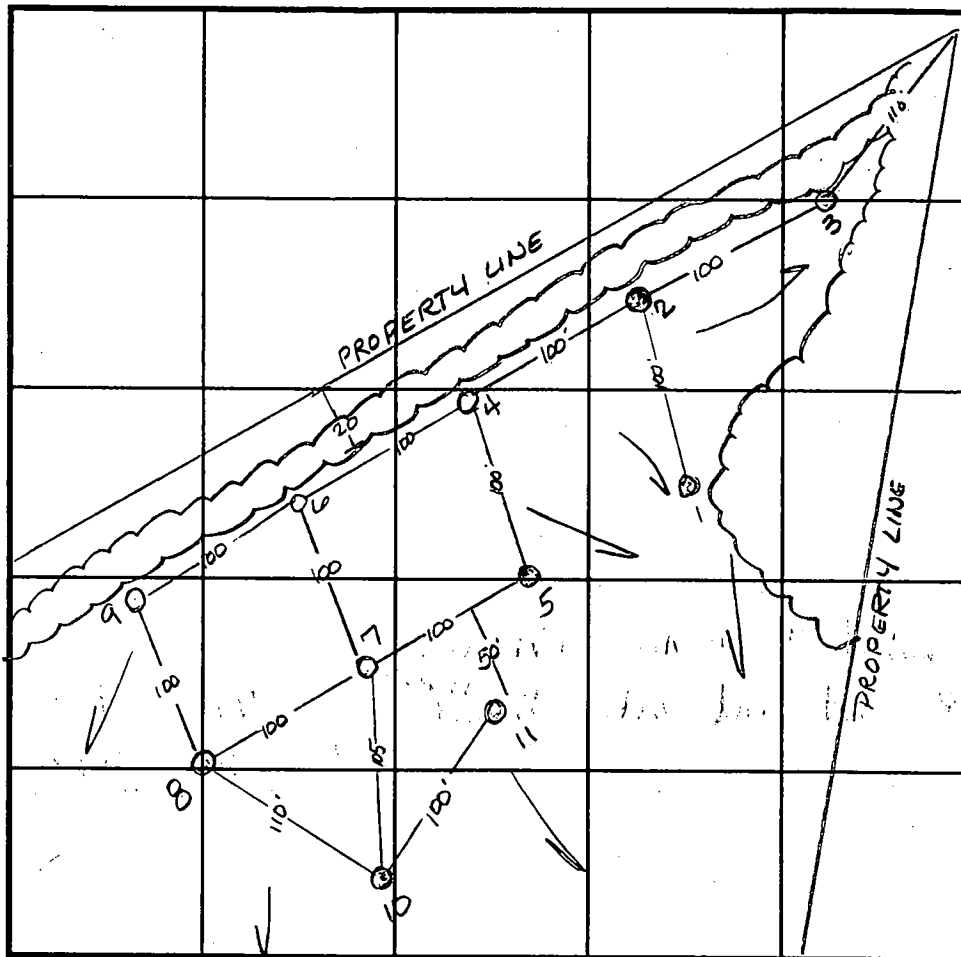
6.5  
dark clamp SiLm micaceous  
13.0  
water @ 12.0

3

orange brown SiClm

2.0  
bright red SiLm  
water at 6.0

9.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0'  
red brown SiClm  
red brown SiLm no mottled soil  
7.0  
8.0  
12.0

20'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-5-97	①	3.5 v10.0	10:37	10:51	10:51	10:16	25min F
	②	3.5 v13.0	11:02	> 30 min - deep clay			
			and insufficient depth to H <sub>2</sub> O -				F
	③	Insufficient depth to H <sub>2</sub> O see profile					F
	4	3.5 v12.0	11:56 <sup>30</sup>	11:19	> 30 min		slow
		4.5 v12.0	12:30	12:31 <sup>30</sup>	12:31 <sup>30</sup>	12:33	1 1/2 min
	5						

REMARKS NOTE RESULTS OF TEST HOLE #4

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 \_\_\_\_\_

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)  
21227 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

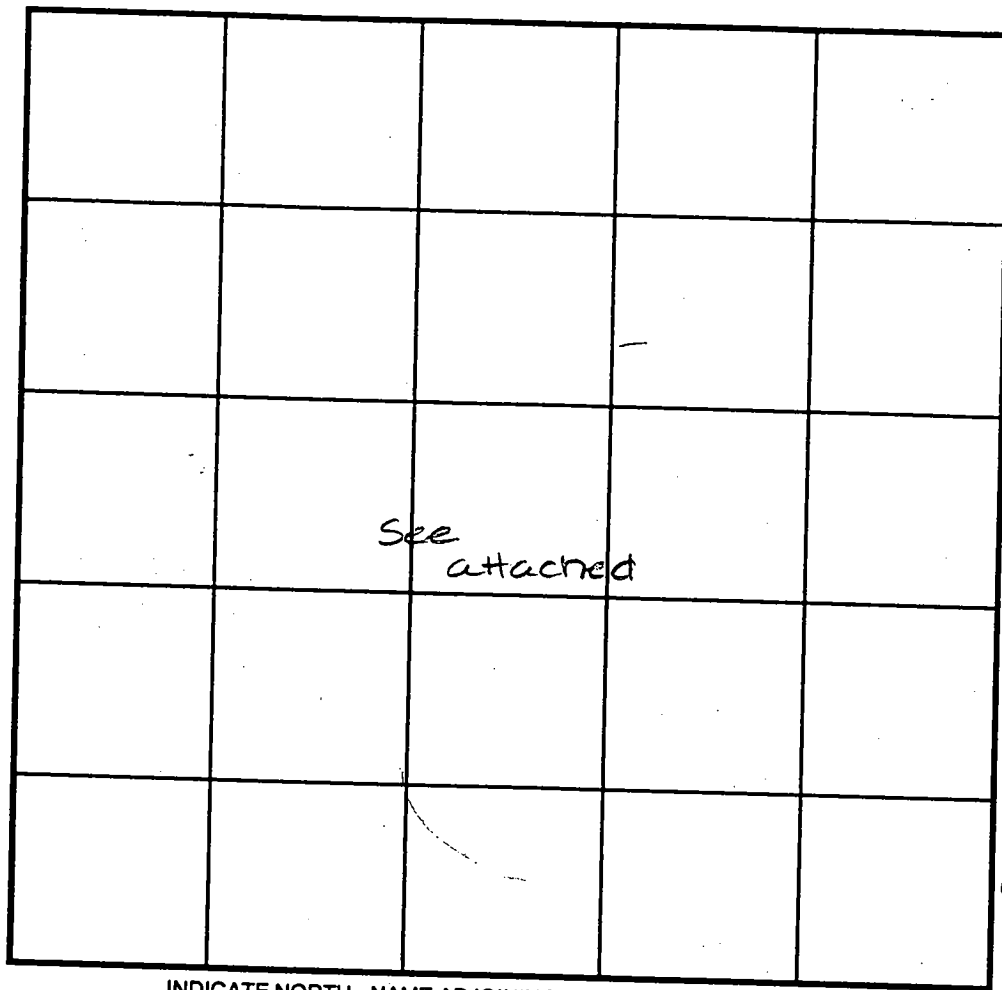
13.0  
8

dark  
red to  
bright  
orange  
SiClm

4.0  
reddish  
brown  
micaceous  
SiLm

9.0  
darker  
red  
mottled  
micaceous  
SiLm

13.0



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	11 min	
	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	23 min	
	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 \_\_\_\_\_

# APPLICATION

A 18110

P \_\_\_\_\_

## SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

DISTRICT 5

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 386

DATE 3/21/73

*4-14' holes  
100 ft  
part  
250,000 ft*  
*3/21/73  
9:30  
to call for  
another part  
date 4/5/73  
water  
holes  
1.30 PM  
5/1/73  
9:30*

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 Wm L. Swann

ADDRESS Route 108, Highland, Md. PHONE 286-2608

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 9

ROAD AND DESCRIPTION Highland Rd. - short distance North of Nichols Drive on left

SIZE OF LOT 32.206 acres TYPE BLDG. LOT 2  
4

NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT Wm L. Swann

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ (KIND OF SYSTEM) DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ (KIND OF SYSTEM) DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS B/H DATE 5/2/73

REASONS FOR REJECTION OR HOLDING 3/21/72 Hold for certification of hole

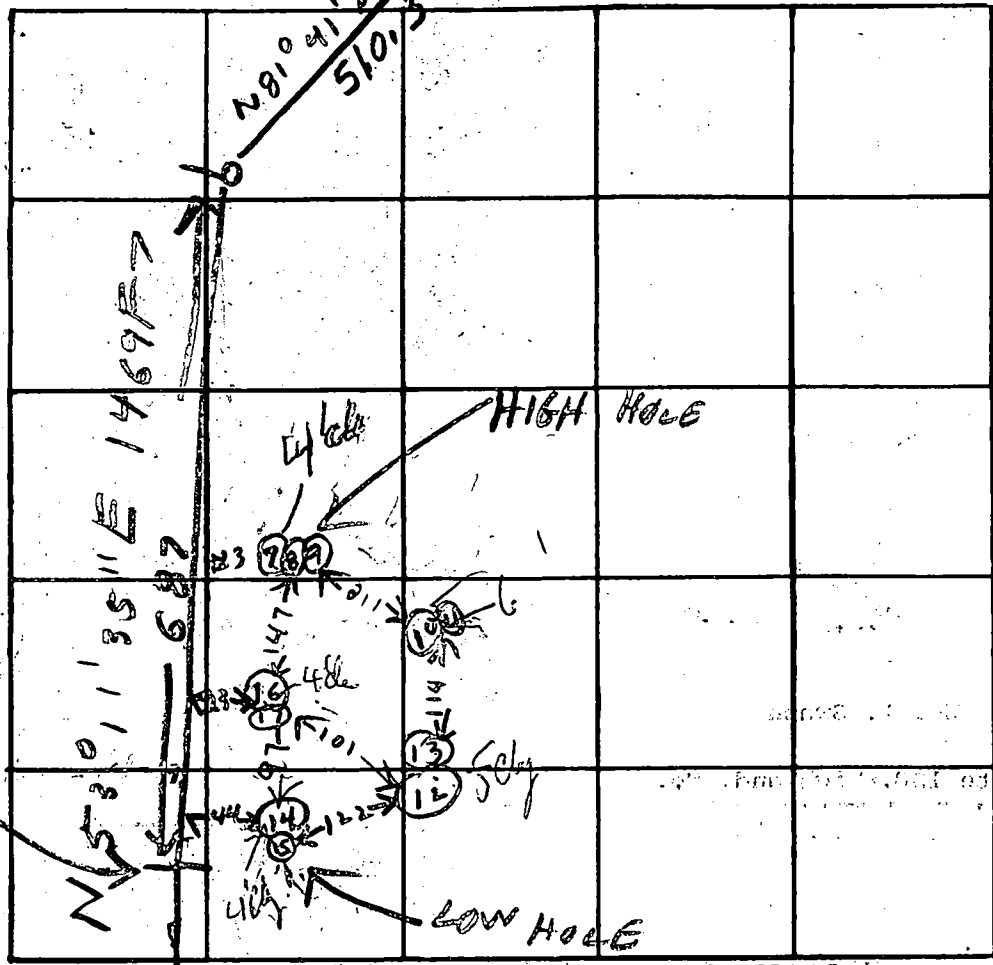
4/5/2/73 Re-test poor. Recommend putting system in original location or running more holes B/H

# THIS IS NOT A PERMIT

Page 3

120  
66

LINESTAKE



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

HIGH  
SAME  
SAME  
SAME  
SAME

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/2/73	7	10	1032	1035	1035	1044	9
	<del>8</del>	<del>6</del>	<del>1034</del>	<del>1036</del>	<del>1036</del>	<del>1037</del>	
	9	12	TOP 4 FT CLAY		UNDERGROUND WATER		12 FT
	10	6	1051	1053	1053	1100	7
	11	11	UNDERGROUND WATER		BOT TEST SAND		
			10 FT FROM GRADE		TOP 5 FT CLAY		
	12	6	1103	1106	1106	1114	8
			UNDERGROUND WATER		10 FT		
	13	11	TOP 5 FT CLAY		BOT 6 FT SAND MICA		
	14	5 1/2	1118	1130	1130	1054	24
			UNDERGROUND WATER		10 FT		
	15	9	TOP 4 FT CLAY				
	16	11 1/2	TOP 4 FT CLAY		UNDERGROUND WATER		11 FT
			BOT 7 FT SAND				
5/2/73	17	5 1/2	1116	1122	1122	1143	11

REMARKS: (9) High Hole. Ground almost level. No borement to detect trouble here

TYPE OF SOIL: Holes on high ground

TESTED BY

ALSO PRESENT:

# 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 Clifford C. Link Property, A Result. of LOT NO. \* 8+9

ROAD AND DESCRIPTION Lot 2 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 & BURRIN

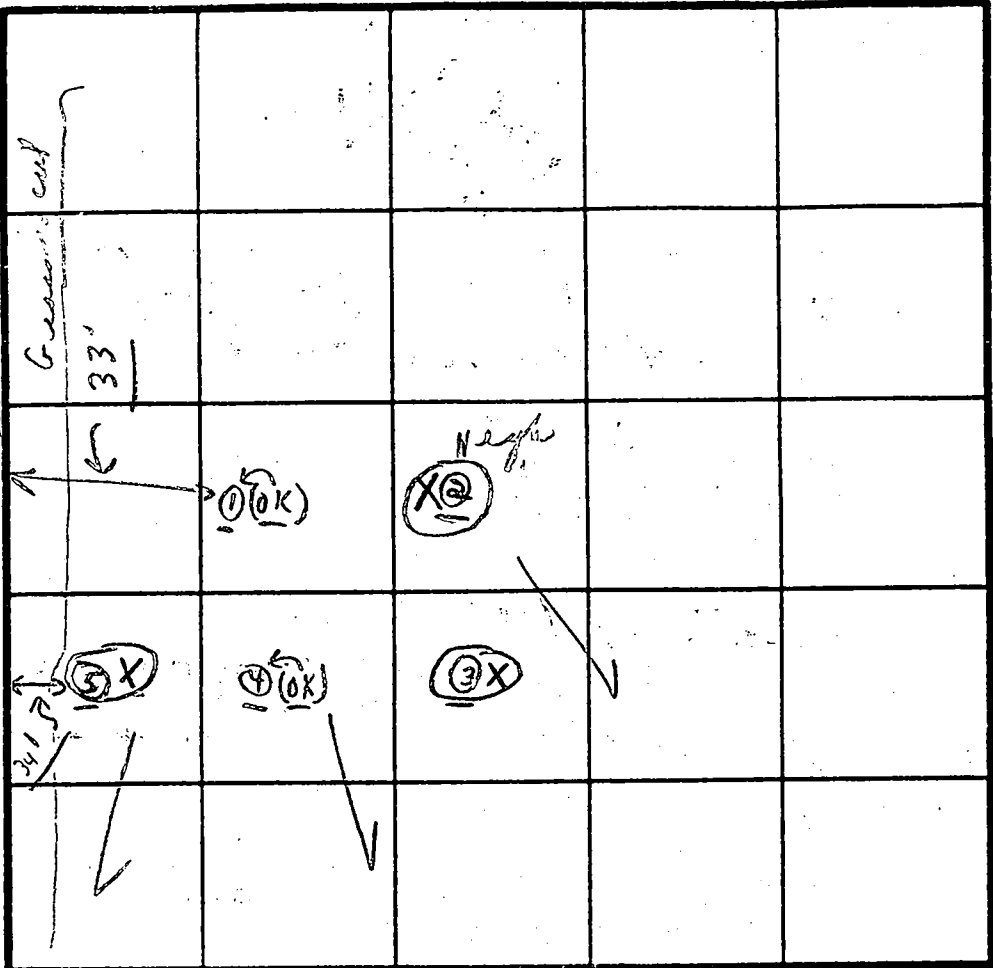
A 45307

#4 OK  
Retest

SOIL PROFILE

4' CLAY  
①  
4 1/2' ±  
11 1/2'  
LOAM

Francis Moore Way



#3 X  
SOIL PROFILE

4 1/2' CLAY  
CLAY 55% ±  
LOAM 45% ±  
4 1/2' to 12'  
X  
X  
X  
TOO SLOW

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Nichols Dr.

SOIL PROFILE

#4 OK

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

SOIL PROFILE

#5 X  
0' - 4 1/2' CLAY  
4 1/2' - 10 1/2'  
50% LOAM  
50% CLAY  
WET  
WATER 10 1/2'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		(min. in TIME)	
			START	STOP	START	STOP		
2/28/90	① OK	4 1/2'	11:35	11:42	11:42	11:52	10 min	
	②	11 1/2'	← LO	AM	→			
	X ②	4 1/2'	11:40	12:02	12:02	12:18	1/2 in XXX	
	X ③	9'	11:46	12:18	12:18	12:38	1/2 in XXX	
	X ③	4 1/2'	12:39	1:09	NO MOVEMENT		XX	
		11 10"	25% CLAY + LOAM DRY		+ 25% CLAY (SOPE)		XXX	
	④ OK	4 1/2'	12:04	12:07	12:07	12:13	6 min	
		12'	(DRY - SANDY LOAM)					
	X ⑤	4 1/2'	12:15	12:36	12:36	12:42	1/2 in XXX	
	Low Note ⑤	10 1/2'	(Water below LOAM)					

#3 X  
SOIL PROFILE

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

REMARKS: 2/28/90 Tests in open, Reject in area of steel  
Tests per 'stake'; tests in high grass

TYPE OF SOIL \_\_\_\_\_  
TESTED BY C.B.A.

ALSO PRESENT  
Peggy Hobbs  
Peter Wedderburn  
Mr. Chen

# APPLICATION

PERCOLATION TESTING

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

A \_\_\_\_\_  
P \_\_\_\_\_  
DISTRICT 5TH  
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: Clifford 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. X [Signature]  
(SIGNATURE OF APPLICANT)

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

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

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

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

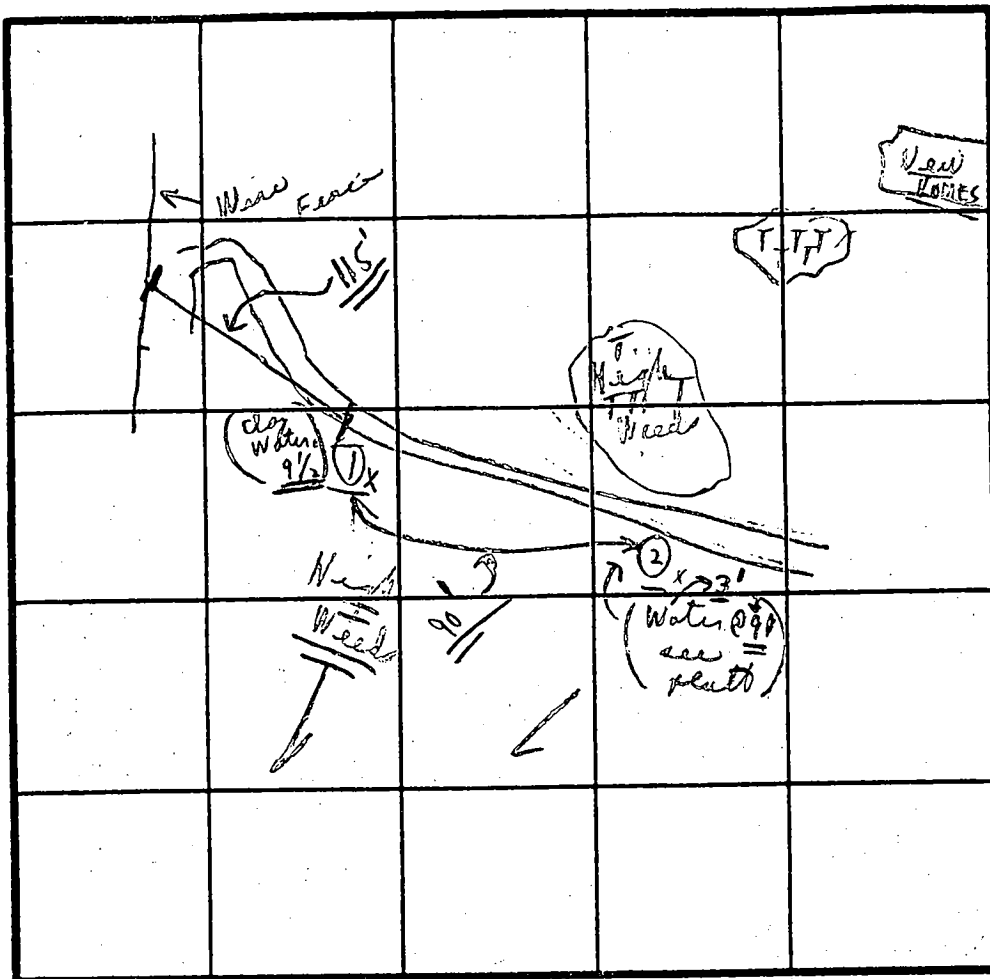
# THIS IS NOT A PERMIT

# 45308

#5

SOIL PROFILE

CLAY
Water @ 3 1/2'
X X
WATER 9 1/2'
X X X



SOIL PROFILE

CLAY
Not Used

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Nichols Drive

(2) SOIL PROFILE

WATER + CLAY
LIGHT GRAY
9' Water
X
X

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	11:02	11:32	11:48"	XXX
		9 1/2'	Water	full stream			XXX
	X(2) X	3'	to	Clay to water	at 3'	seeps	
		9'	Water -	full stream			XXXX
	O	-'	:	:	:	:	
		-'	Not done		2/28/90		
	O	-'	:	:	:	:	
		-'	Not done		2/28/90		
	O	-'	:	:	:	:	
		-'	Not done		2/28/90		

SOIL PROFILE

CLAY
Not Used

REMARKS

Tests in open

(Washed on shovel)  
Not used to dry

TYPE OF SOIL

Tests per stake

Rejected. Water + clay

TESTED BY

C. B. D.

ALSO PRESENT

- ① Diggs - HOBBS
- ② Mr. Peter WENDERBURN
- ③ Mr. Chen - stage in car

# APPLICATION

A 17368

SEWAGE DISPOSAL TESTING

P

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY 3BR

4BR

ELLICOTT CITY

DISTRICT 5th

9:30

1000 gal tank

1250 Gal tank

DATE 8/22/72

Dry Well - 3000 sq ft sidewalk area below the inlet

Dry Well 4000 sq ft sidewalk area below the inlet

Dry Well Inlet to be no deeper than 5 FT and

Dry Well Bottom to be no deeper than 12 FT

Place the dry well 12 FT from the front lot line

TO: THE COUNTY HEALTH OFFICER which is 450.00 FT long and ELLICOTT CITY, MARYLAND 177 FT from the sidewalk

I, HEREBY, APPLY FOR THE NECESSARY TESTS, IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM. which is 510.38 FT long

PROPERTY OWNER William L. Swann

ADDRESS Route 108, Highland, Maryland

PHONE 286-2608

PROPERTY LOCATION:

SUBDIVISION

LOT NO. 9

ROAD AND DESCRIPTION

~~Nichols Road~~

Highland Rd short Past

North Nichols Drawl on left

OCCUPANT

PHONE

PERSON TO CONSTRUCT SYSTEM

ADDRESS

PHONE

SIZE OF LOT 32.206 acres

TYPE BLDG. 3 or 4 bedrooms

NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE

SIGNATURE OF APPLICANT /s/ William L. Swann

APPROVED BY

Raymond Hodges FOR Dry Well

DATE

9/6/72

REJECTED BY

FOR

(KIND OF SYSTEM)

DATE

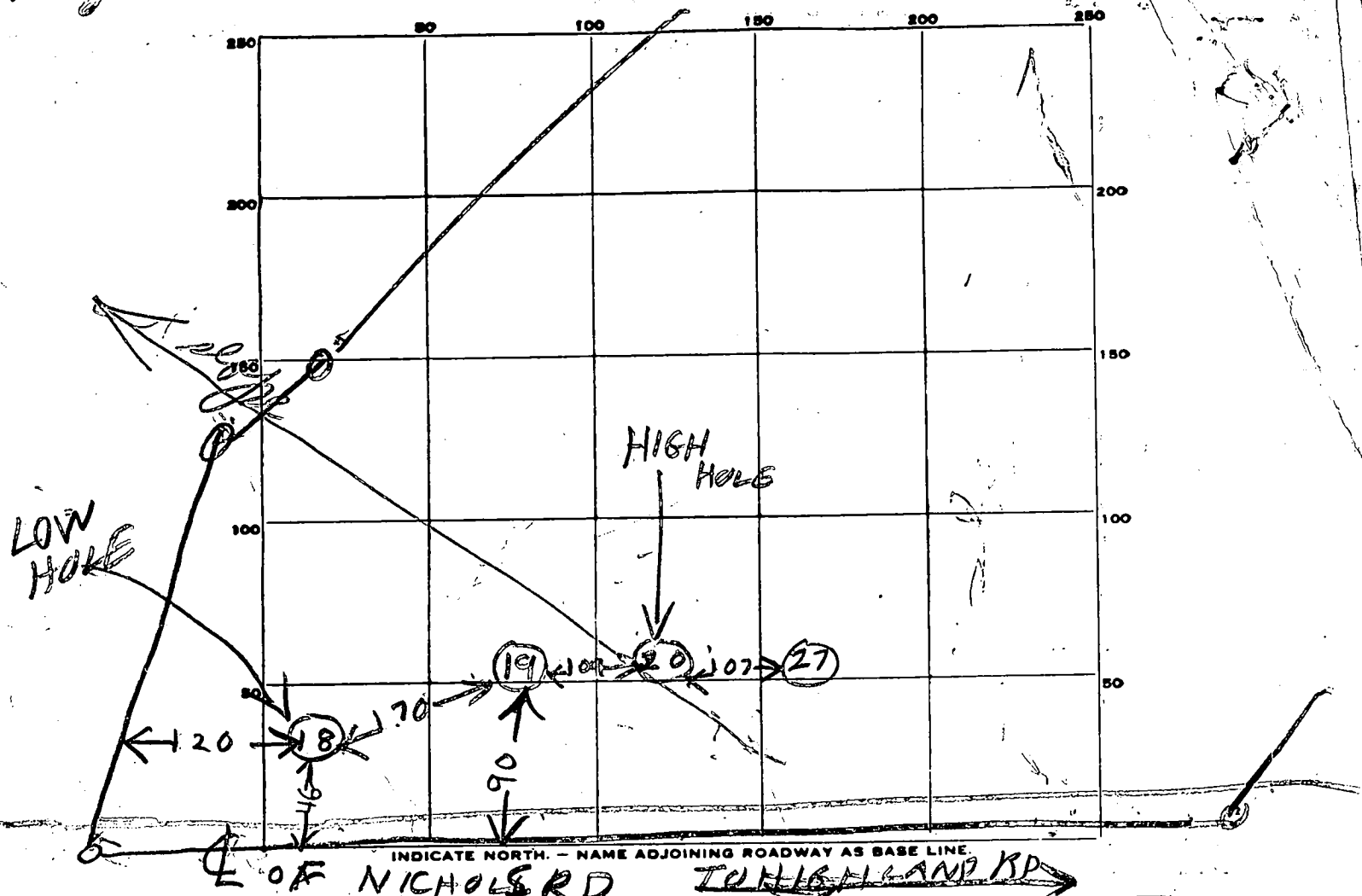
HOLD PENDING FURTHER TESTS

DATE

REASONS FOR REJECTION OR HOLDING

# THIS IS NOT A PERMIT

*Yager*



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE  
 E OF NICHOLSON RD TO HIGHLAND RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/2/33	18	12	UNDERGROUND WATER		11 FT		7	
			ALL CLAY					
	19	11	UNDERGROUND WATER					
			TOP 3 FT CLAY BOT 8 FT SAND					
	20	12	UNDERGROUND WATER					
			TOP 3 FT CLAY BOT 9 FT SAND					
	21	12	UNDERGROUND WATER					
			TOP 7 FT CLAY BOT 5 FT SAND					

SOIL AUGER FINDING

TESTED BY *R. J. Hodges*

REMARKS



SOIL DESCRIPTION

NAME Cliffion Unit-Lot 9 COUNTY Howard FILE NO \_\_\_\_\_  
 SOIL MAP UNIT \_\_\_\_\_ MAP SYMBOL \_\_\_\_\_ DATE 6/8/99  
 GEOLOGIC MATERIAL \_\_\_\_\_ ELEVATION \_\_\_\_\_ GRID NO \_\_\_\_\_ E  
 NO. 1803 DESCRIBED BY Amy McMiller \_\_\_\_\_ 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	clm			5%	few mottles
	48"	5YR 4/6		SiSalm	none		60%	

LANDSCAPE

Position

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

Slope

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

SOIL DRAINAGE CLASS

ED \_\_\_\_\_ MWD \_\_\_\_\_ PD \_\_\_\_\_  
 WD \_\_\_\_\_ S1'D \_\_\_\_\_ V1'D \_\_\_\_\_

WATER TABLE

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

LIMITING ZONE

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

SOIL CLASSIFICATION

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

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)
	2005	14"	12:52	0 min	7"	Moderate Rock
			1:10	18 min	4 4/16"	Add Water + Reset to 7"
			1:25	15 min	5 9/16"	
			1:46	21 min	4"	
			2:01	15 min	3 1/16"	Add Water + Reset to 7"
			2:18	17 min	5 15/16"	
			2:34	16 min	5 3/16"	
			2:53	19 min	4 5/16"	Add Water + Reset
			3:08	15 min	3 9/16"	
			3:23	15 min	2 12/16"	Add Water + Reset
			3:38	15 min	2 1/16"	
			3:53	15 min	1 7/16"	
			4:08	15 min	13/16"	
	2003	19"	1:15	0 min	7"	Rocky
			1:34	19 min	2 3/4"	Add Water + Reset to 7"
			1:53	19 min	3 10/16"	Add Water + Reset to 7"
			2:10	17 min	4 9/16"	Add Water + Reset
			2:25	15 min	2 12/16"	Add Water + Reset to 7"
			2:40	15 min	5 1/16"	
			2:57	17 min	3 2/16"	Add Water + Reset to 7"
			3:13	16 min	5 3/16"	
			3:28	15 min	3 9/16"	Add Water + Reset to 7"
			3:43	15 min	4 15/16"	
			3:58	15 min	3 1/16"	Add Water + Reset to 7"
			4:13	15 min	5 6/16"	
			4:28	15 min	3 13/16"	

Moist  
Lower  
Area of  
Fracture  
is  
Moist, Wet

Lower  
Area of  
Fracture  
is  
Moist, Wet

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

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)		
	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>3</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>13</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> "	23		
	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>
RECORDED BY <u>B. Baker</u>	GRID _____ E
_____	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 14/16"				
			10:18	15 min	6 12/16"				
			10:32	14 min	6 10/16"				
			10:47	15 min	6 8/16"				
			11:02	15 min	6 7/16"				
			11:17	15 min	6 5/16"				
			11:32	15 min	6 4/16"				
			11:47	15 min	6 3/16"				
			12:02	15 min	6 2/16"		238		
			12:23	21 min	6"		168		
			12:38	15 min	5 15/16"		238 min/inch [FAIL]		
			2007	18"	10:06		0 min	7"	
					10:22		16 min	6 3/16"	
	10:37	15 min			5 10/16"				
	10:52	15 min			5 3/16"				
	11:12	20 min			4 12/16"				
	11:26	14 min			4 7/16"				
	11:41	15 min			4 2/16"				
	11:55	14 min			3 14/16"	Add Water + Reset			
	12:10	15 min			3 9/16"	47			
	12:25	15 min			3 5/16"	60			
	12:43	18 min	3 1/16"	72					
	1:00	17 min	2 11/16"	90 min/inch [FAIL]					

SOIL DESCRIPTION

NAME Cliffton 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	48"	5YR 5/6		sa	granular		60%	Very damp
		# DID NOT TEST - TOO MUCH SURFACE ROCK - UNABLE TO SET INFILTROMETER*						

LANDSCAPE

Position

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

Slope

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

SOIL DRAINAGE CLASS

FD \_\_\_\_\_ MWD \_\_\_\_\_ PD \_\_\_\_\_  
 WD \_\_\_\_\_ S1'D \_\_\_\_\_ VPD \_\_\_\_\_

WATER TABLE

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

LIMITING ZONE

SOIL CLASSIFICATION

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



SOIL DESCRIPTION

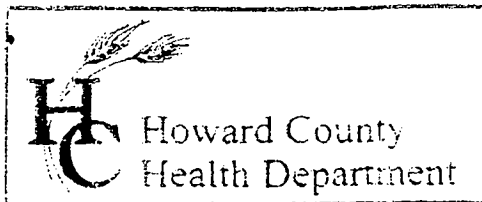
NAME Cliffon Link - Lot 9 COUNTY HO FILE NO \_\_\_\_\_  
 SOIL MAP UNIT \_\_\_\_\_ MAP SYMBOL \_\_\_\_\_ DATE 6/8/99  
 GEOLOGIC MATERIAL \_\_\_\_\_ ELEVATION \_\_\_\_\_ GRID NO \_\_\_\_\_ E  
 NO. 1200 DESCRIBED BY Amy McMillen \_\_\_\_\_ N

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

LANDSCAPE \_\_\_\_\_ SOIL DRAINAGE CLASS \_\_\_\_\_ LIMITING ZONE \_\_\_\_\_

Position \_\_\_\_\_ Slope \_\_\_\_\_ ED \_\_\_\_\_ MWD \_\_\_\_\_ PD \_\_\_\_\_  
 Summit \_\_\_\_\_ Depression \_\_\_\_\_ WD \_\_\_\_\_ SPD \_\_\_\_\_ VPD \_\_\_\_\_  
 Shoulder \_\_\_\_\_ Upland \_\_\_\_\_  
 Sideslope \_\_\_\_\_ Terrace \_\_\_\_\_  
 Footslope \_\_\_\_\_ Floodplain \_\_\_\_\_

\_\_\_\_\_ WATER TABLE \_\_\_\_\_ SOIL CLASSIFICATION \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

October 10, 2003

Michael Barnes  
7748 Patuxent Oak Court  
Elkridge, MD 21075

**SENT VIA FACSIMILE 443-745-1374 (cell)**

RE: Clifton Link, Lot # 9  
13520 Nichols Drive  
BP # B00134034  
Well Permit # HO-94-2964

Dear Sirs:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 10/9/2003.**

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

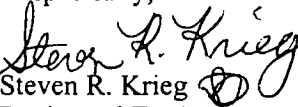
#### INTERIM CERTIFICATE OF POTABILITY

This certifies that the **initial** sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-94-2964. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department, as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Sample: 9/30/2003  
Date of Well Completion: 4/24/2001

Respectfully,

  
Steven R. Krieg  
Registered Environmental Sanitarian  
Well and Septic Program

cc: Building Inspector's Office  
Community Services Program  
File