

APPLICATION

PERCOLATION TESTING

A _____

P _____

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

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER LOIS H LOWE

ADDRESS 12325 BENSON BRANCH RD PHONE 531 6732

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION LOWE PROPERTY LOT NO. NEW 4

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT 3 AC PC TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. _____
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS 2/6/92 - CLAY & ROCK RH

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # LOWE PROP REVISED PERC PLAN DATE 2/24/92

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

THIS IS NOT A PERMIT

SEE PLAT

COUNTY #

SOIL PROFILE 6

0'

BROWN CLAY

? 47763

(2)

6

SANDY LOAM

(6)

3

8

ROCK

BOTTOM

(1)

(4)

(W)

SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/6/92	(6)	8	ROCK	CLAY	UNSAT		

REMARKS Hole (6) Dig Per surveyor Plan

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT PAT LINDREW, WIFB & SON

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



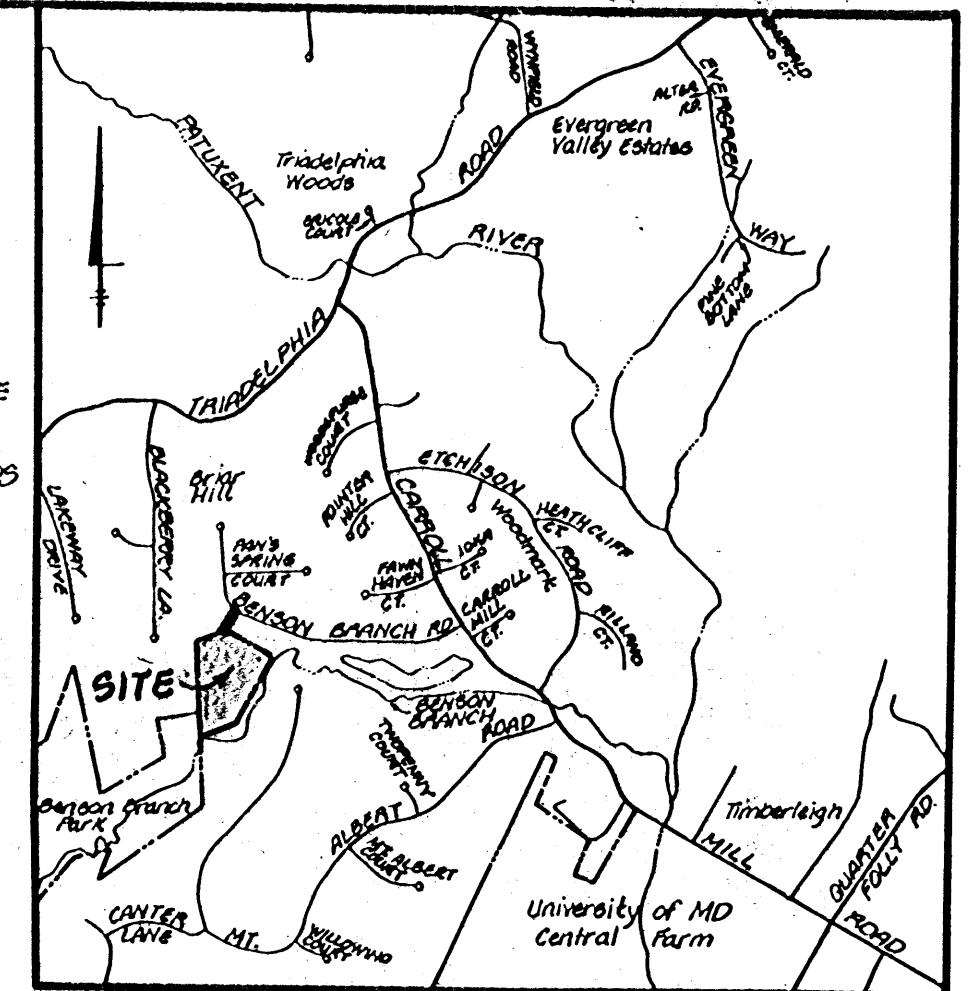
This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

LAND TABULATION:

1. TOTAL NUMBER OF LOTS : 4
2. TOTAL AREA OF LOTS : 13.20 Ac.±
3. TOTAL AREA OF PRIVATE ROAD : 0.28 Ac.±
4. TOTAL AREA OF SUBDIVISION : 13.48 Ac.±

LEGEND:

- ⊕ PERCOLATION TEST (PASSED)
- ⊖ PERCOLATION TEST (FAILED)
- EXISTING PERCOLATION TEST
- PROPOSED WELL SITE
- ▨ EXISTING 10,000 SQ. FT. SEWAGE DISPOSAL AREA
- ▩ PROPOSED 10,000 SQ. FT. SEWAGE DISPOSAL AREA
- ≡ EXISTING NON-TIDAL WETLANDS
- ▨ 25% OR GREATER SLOPES
- ⊕ EXISTING WELL SITE
- PROPOSED PERCOLATION TEST

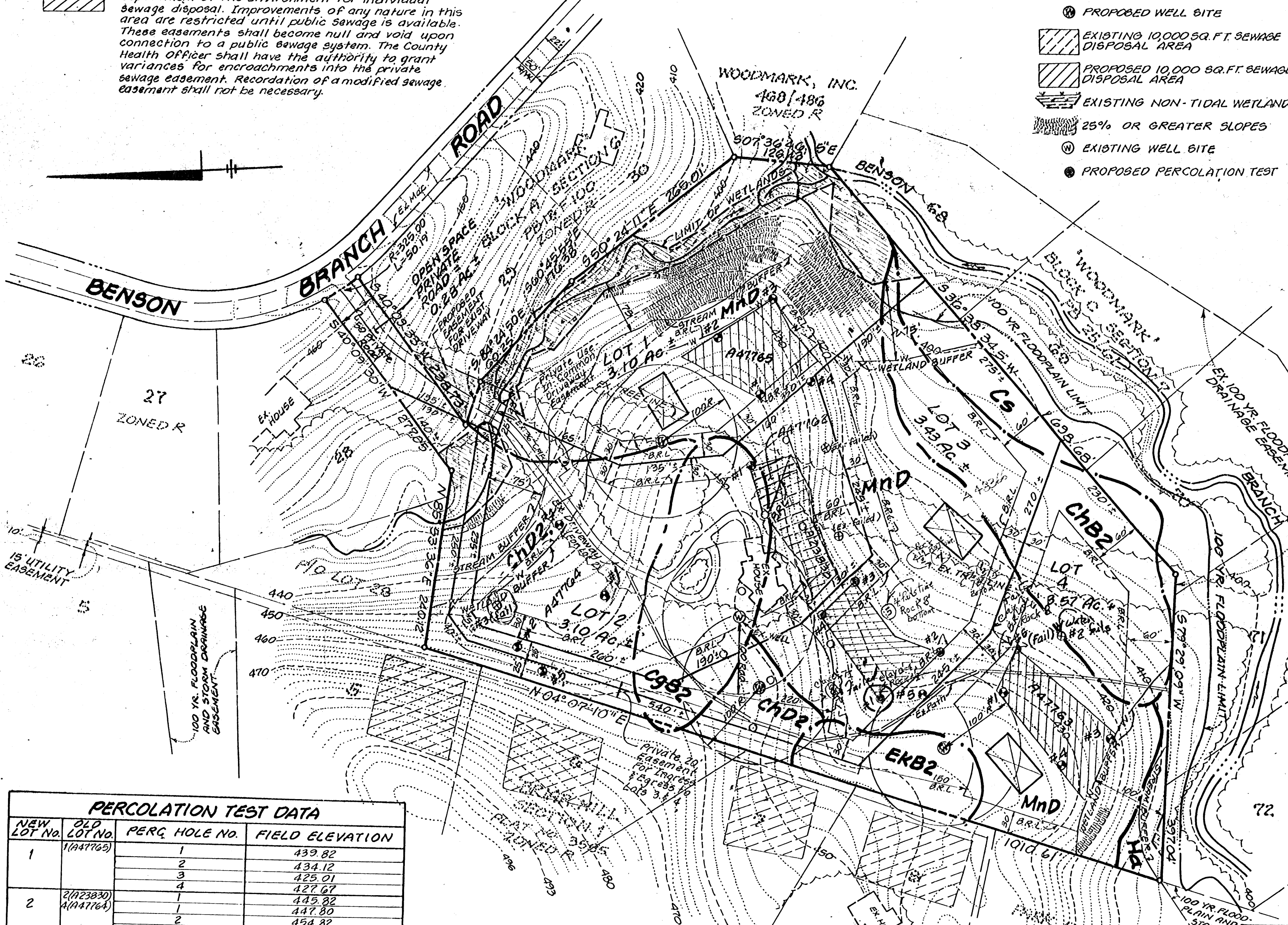


VICINITY MAP

SCALE: 1" = 2000'

NOTES

1. The lots shown comply with the minimum lot area and ownership width as required by the Maryland State Dept. of the Environment.
2. Existing Zoning: R (Rural) per 8-2-85 Comprehensive Zoning Plan.
3. Deed Reference: Liber 1700 Folio 374.
4. Total Area of Property: 13.48 Ac.±
5. The floodplain shown along Benson Branch was computed as part of Capital Project No. D-1028, Middle Patuxent River Drainage Study.
6. The topography shown is compiled from aerial photogrammetry, supplemented with field run data prepared by Land Design Engineering, Inc. August 1991.
7. The wetlands shown are field located from a field delineation prepared by Exploration Research, Inc. dated July 1991.
8. All percolation tests have been field located.



OWNER/DEVELOPER

LOIS H. LOWE
12325 BENSON BRANCH RD
ELLICOTT CITY, MD 21042
(410) 531-6732

REVISED PERCOLATION TEST PLAN

LOWE PROPERTY
LOTS 1 THRU 4
TAX MAP 22 PARCEL 360
3rd ELECTION DISTRICT, HOWARD COUNTY, MD
PREVIOUS SUBMITTAL: WP91-144

LAND DESIGN ENGINEERING, INC.

SCALE: 1" = 100'

SHEET 1 OF 1

10620 Guilford Road • Suite B10
Jesseup • Maryland 20794
3018048264
3018800034
COMP: DRAWN: KBW DESIGN: BDB CHECKED: RLM

PERCOLATION TEST DATA			
NEW LOT No.	OLD LOT No.	PERC HOLE NO.	FIELD ELEVATION
1	1(A47765)	1	439.82
		2	434.12
		3	425.01
		4	427.67
2	2(A23830) 4(A47764)	1	445.82
		2	447.80
		3	454.82
		4	447.36 (Fail)
		5	437.71
3	3(A47763)	1	457.51
		2	
		3	
		4	
		5	
		6	
4	3(A47763)	1	431.64
		2	415.84 (Fail)
		3	422.64
		4	431.02
		5	430.79
		6	

Note: All percolation tests denoted ⊕ have been field located.

SOILS LEGEND

SYMBOL	NAME	SLOPE	CHARACTERISTICS
Cs	Comus Silt Loam		
ChD2	Chester Silt Loam	15 to 25%	moderately eroded
ChB2	Chester Silt Loam	3 to 8%	moderately eroded
EKB2	Elloak Silt Loam	3 to 8%	moderately eroded
Ha	Hatboro Silt Loam		
MnD	Manor very Stony Loam	3 to 25%	
CgB2	Chester gravelly Silt Loam	3 to 8%	moderately eroded

(TAKEN FROM U.S.D.A. SOIL SURVEY MAP No. 14)

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

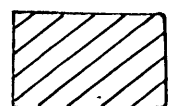
HOWARD COUNTY HEALTH OFFICER _____ DATE _____

No.	Date	Description
3	6-18-92	New Lot Layout per Client Approval
2	3-25-92	Per field located perc. tests
1	2-24-92	Per 2-24-92 meeting @ Ho Co. Health Dept

REVISIONS



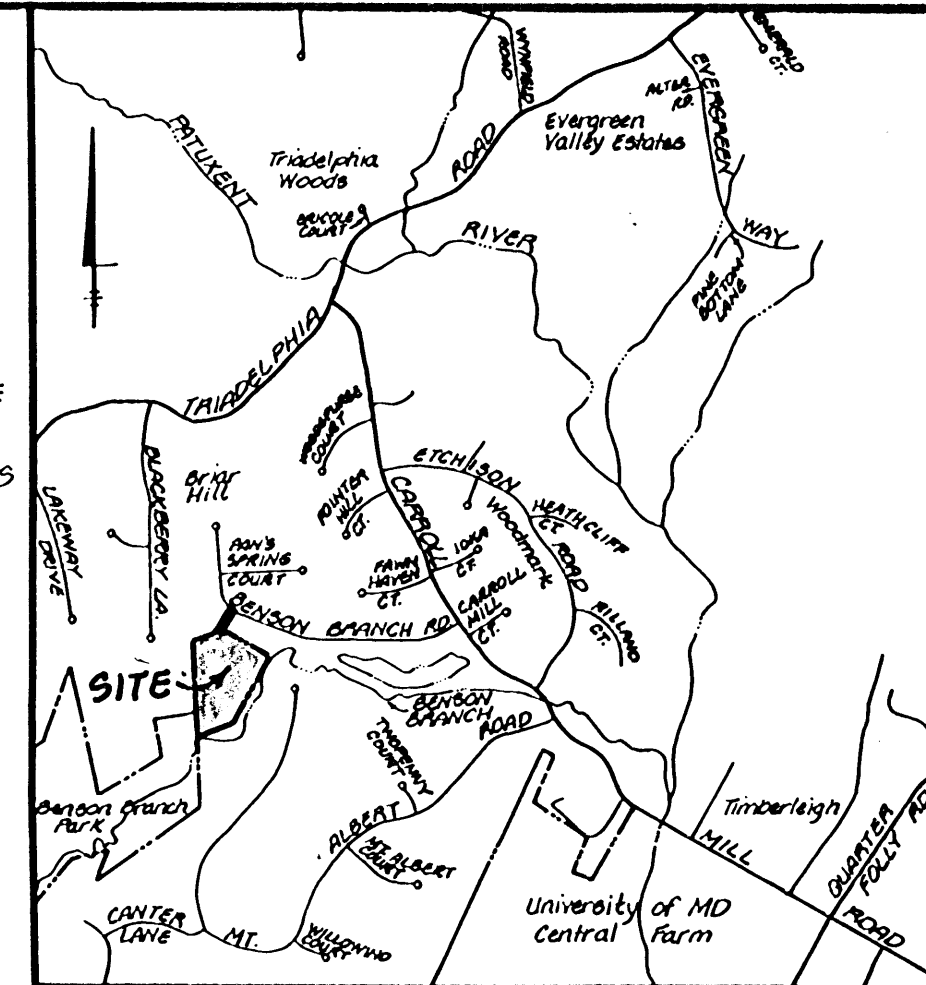
Bruce Burton



This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

LEGEND:

- ⊕ PERCOLATION TEST (PASSED)
- ⊖ PERCOLATION TEST (FAILED)
- EXISTING PERCOLATION TEST
- ⊙ PROPOSED WELL SITE
- ▨ EXISTING 10,000 SQ. FT. SEWAGE DISPOSAL AREA
- ▩ PROPOSED 10,000 SQ. FT. SEWAGE DISPOSAL AREA
- ≡ EXISTING NON-TIDAL WETLANDS
- ▨ 25% OR GREATER SLOPES
- ⊙ EXISTING WELL SITE

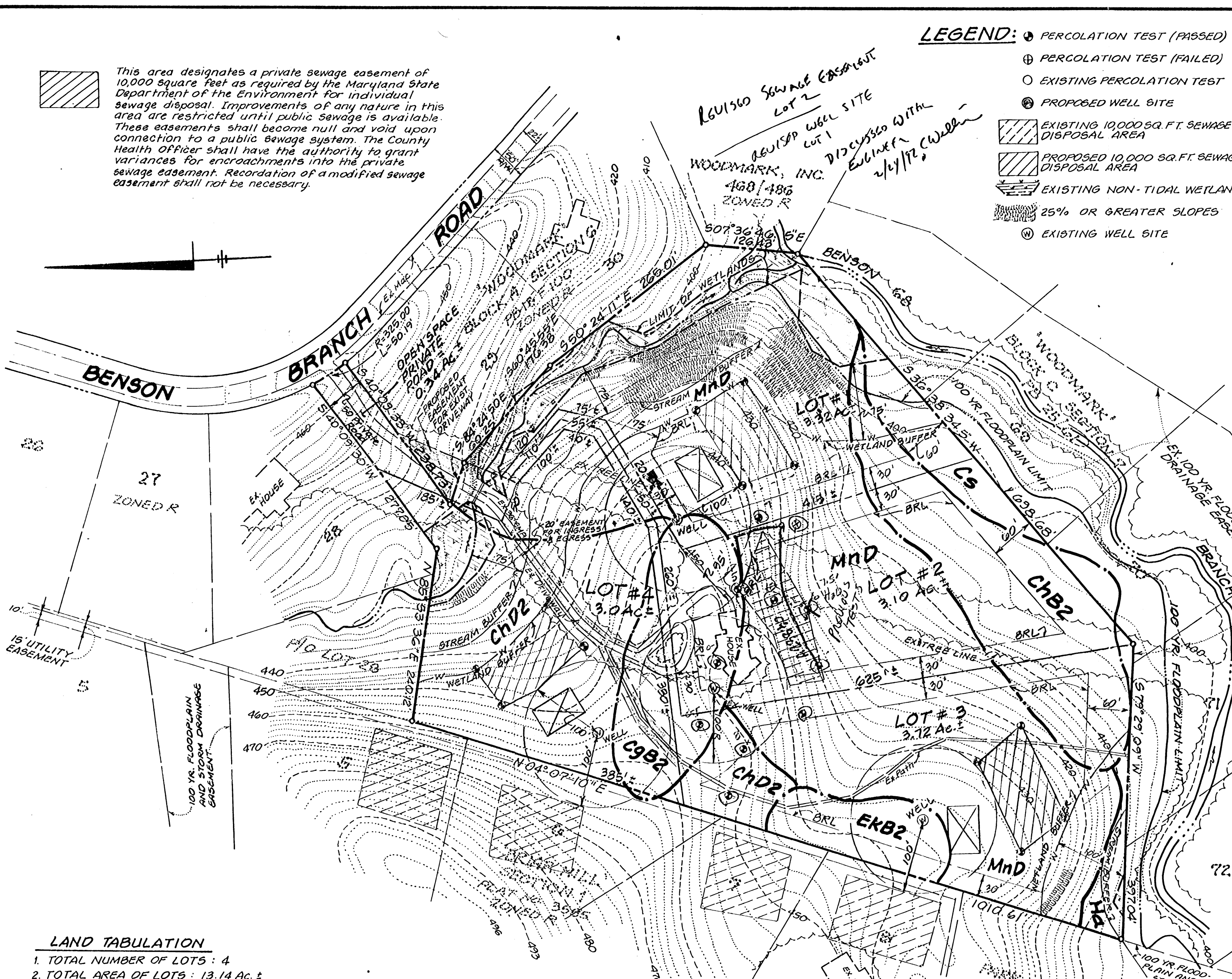


VICINITY MAP

SCALE: 1" = 200'

NOTES

1. The lots shown comply with the minimum lot area and ownership width as required by the Maryland State Dept. of the Environment.
2. Existing Zoning: R (Rural) per 8-2-85 Comprehensive Zoning Plan.
3. Deed Reference: Liber 1700 Folio 374.
4. Total Area of Property: 13.48 Ac.±
5. The Floodplain shown along Benson Branch was computed as part of Capital Project No. D-1028, Middle Patuxent River Drainage Study.
6. The topography shown is compiled from aerial photogrammetry, supplemented with field run data prepared by Land Design Engineering, Inc. August 1991.
7. The wetlands shown are field located from a field delineation prepared by Exploration Research, Inc. dated July 1991.



LAND TABULATION

1. TOTAL NUMBER OF LOTS : 4
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MnD	Manor Very Stony Loam	3 to 25%
CgB2	Chester gravelly Silt Loam	3 to 8% moderately eroded

(TAKEN FROM U.S.D.A. SOIL SURVEY MAP No. 14)

md 014
3rd date plan
OWNER/DEVELOPER
 LOIS H. LOWE
 12325 BENSON BRANCH RD
 ELLICOTT CITY, MD. 21042
 (410) 531-6732

PERCOLATION TEST PLAT

LOWE PROPERTY

LOTS 1 THRU 4
 TAX MAP 22 PARCEL 360
 3rd ELECTION DISTRICT, HOWARD COUNTY, MD
 PREVIOUS SUBMITTAL: WP 91-144

LAND DESIGN ENGINEERING, INC.

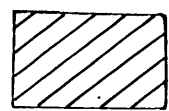
SCALE:
1" = 100'

SHEET
1 OF 1

COMP: DRAWN: KBW DESIGN: BDB CHECKED: RLM

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

HOWARD COUNTY HEALTH OFFICER _____ DATE _____



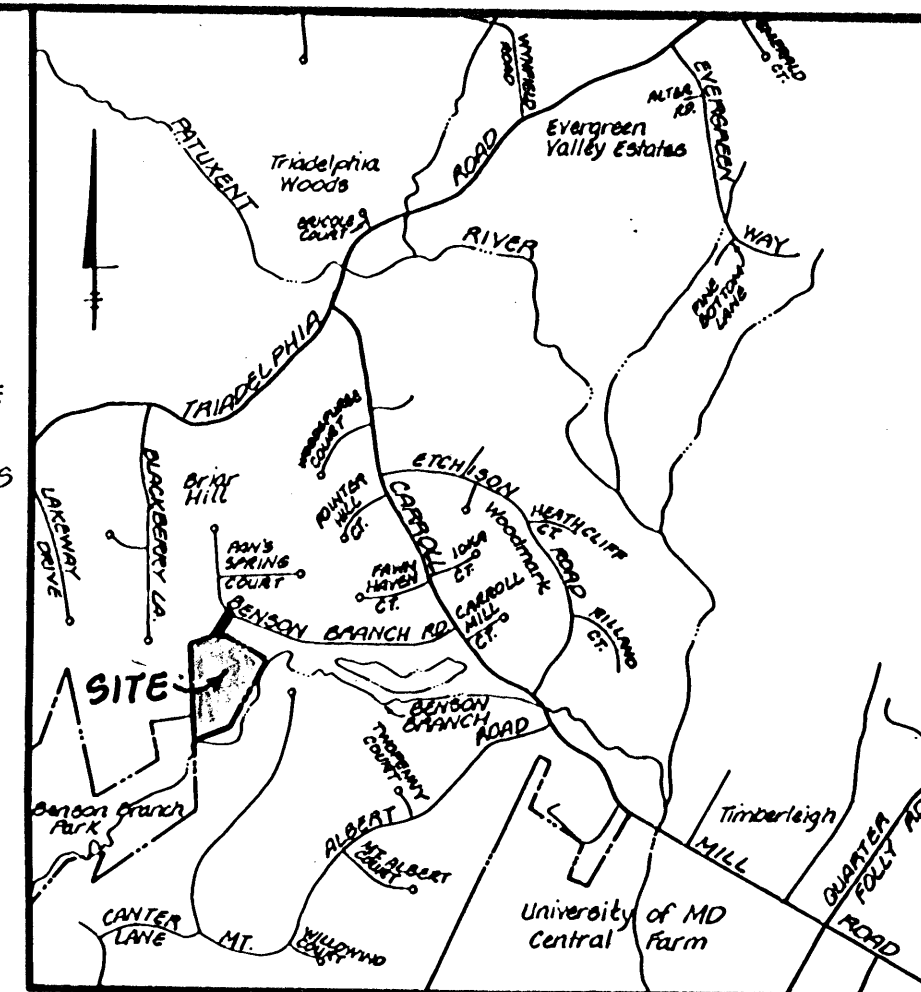
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- ▩ PROPOSED 10,000 SQ. FT. SEWAGE DISPOSAL AREA
- ▧ EXISTING NON-TIDAL WETLANDS
- ▨ 25% OR GREATER SLOPES
- ⊕ EXISTING WELL SITE



VICINITY MAP

SCALE: 1" = 2000'

NOTES

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3. Deed Reference: Liber 1700 Folio 574.
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8. All percolation tests have been field located.

OWNER/DEVELOPER

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12325 BENSON BRANCH RD
ELLCOTT CITY, MD. 21042
(410) 531-6732

PERCOLATION TEST PLAT

LOWE PROPERTY

LOTS 1 THRU 4
TAX MAP 22 PARCEL 360
3RD ELECTION DISTRICT, HOWARD COUNTY, MD
PREVIOUS SUBMITTAL: WP 91-144

LAND DESIGN ENGINEERING, INC.

SCALE:
1" = 100'

SHEET
1 OF 1

10620 Guilford Road • Suite 210
Jesseup • Maryland 20784

(301) 904-8284
(301) 983-0034

COMP: DRAWN: K&W DESIGN: BDB CHECKED: RLM

PERCOLATION TEST DATA		
LOT No.	PERC. HOLE No.	FIELD ELEVATION
1	1	439.82
	2	434.12
	3	425.01
	4	427.67
2	1	445.82
	2	431.64
3	1	431.64
	2	415.84 (fail)
	3	422.64
	4	431.02
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Note: All percolation test holes have been field located.

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(TAKEN FROM U.S.D.A. SOIL SURVEY MAP No. 14)

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

Sent for signature - signed 5/5/92
HOWARD COUNTY HEALTH OFFICER DATE

No.	Date	Description
2	3-25-92	Per field located perc. tests
1	2-24-92	Per 2-24-92 meeting @ Ho Co. Health Dept.

REVISIONS

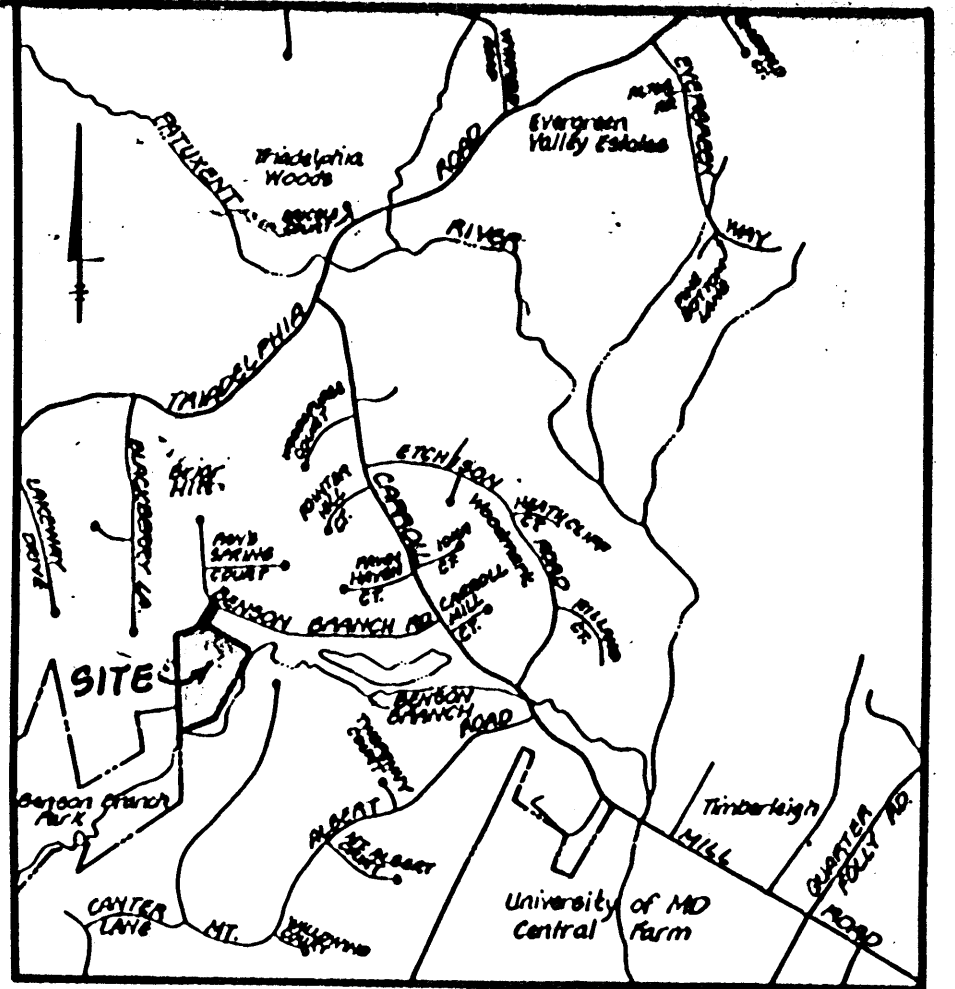


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- ▨ 25% OR GREATER SLOPES
- ⊙ EXISTING WELL SITE



VICINITY MAP
SCALE: 1" = 2000'

NOTES

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3. Deed Reference: Liber 1700 Folio 274.
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6. The topography shown is compiled from aerial photogrammetry, supplemented with field run data prepared by Land Design Engineering, Inc. August 1991.
7. The wetlands shown are field located from a field delineation prepared by Exploration Research, Inc. dated July 1991.
8. All percolation tests have been field located.
9. Lot #1 - the well must be drilled and approved prior to the final plat approval.

OWNER/DEVELOPER
 LOIS H. LOWE
 12325 BENSON BRANCH RD
 ELLICOTT CITY, MD. 21042
 (410) 531-6732

PERCOLATION TEST DATA		
LOT NO.	PERC. HOLE NO.	FIELD ELEVATION
1	1	439.83
	2	434.12
	3	423.01
	4	427.67
2	1	445.82
	2	431.64
3	1	415.84 (fail)
	2	422.64
	3	431.02
	4	430.79
	5	447.80
4	1	454.82
	2	447.36 (fail)
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Note: All percolation test holes have been field located.

SOILS LEGEND

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MnD	Manor Very Stony Loam	3 to 25%
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(TAKEN FROM U.S.D.A. SOIL SURVEY MAP No. 14)

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE
 HOWARD COUNTY HEALTH DEPARTMENT

Joan M. Bond MS
 HOWARD COUNTY HEALTH OFFICER
 DATE: 5-5-92

NO.	DATE	DESCRIPTION
2	3-25-92	For field located perc. tests
1	2-24-92	Per 8-24-92 meeting @ Ho. Co. Health Dept.

REVISIONS



PERCOLATION TEST PLAN

LOWE PROPERTY
 LOTS 1 THRU 4

TAX MAP 22 PARCEL 360
 3RD ELECTION DISTRICT, HOWARD COUNTY, MD
 PREVIOUS SUBMITTAL: WP91-144

LAND DESIGN ENGINEERING, INC.

SCALE: 1" = 100'

SHEET 1 OF 1

10883 Buford Road • Suite B10
 Jessup • Maryland 20794
 (301) 804-6884
 (301) 880-0084

COMP: QMHN: KBW DESIGN: BDB CHECKED: RLM



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

March 17, 1992

Reply to:

Mrs. Lois H. Lowe
12325 Benson Branch Road
Ellicott City, Maryland 21042

RE: Percolation Test Results
Application No.'s: A47762-A47765
Proposed Use: Subdivision
Property ID: Lowe Property
Benson Branch Road

Dear Mrs. Lowe:

Percolation testing conducted March 4, 1992 and March 5, 1992 on the above referenced property indicated limited satisfactory soil conditions. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable house and well site.

This should be submitted within sixty (60) days to allow field verification if necessary. If the proposal is for subdivision or for commercial use, a groundwater appropriations permit must be approved prior to approval of either the record plat or the site development plan.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours,

Raymond Hodges

Raymond Hodges, R. S.
Water and Sewerage Program

CW:jr

Enclosures

cc: Land Design Engineering, Inc.
File

Bureau of Environmental Health
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544
Water and Sewerage, Permits 461-9933 Community Environmental Health 461-9944
Technical Services 461-9955 Director 461-9956 TDD 313-2323

DATE: 19 AUG 92

NAME: LOIS H LOWE

ADDRESS: 12325 BENSON BRANCH RD
ELLCOTT CITY MD 21043

RE: PERCOLATION TEST RESULTS
APPLICATION #'(s) 48366
PROPOSED USE: RESIDENCE
PROPERTY ID: LOWE PROPERTY
LOT NEW 3 & LOT NEW 4
TAX MAP 22 PARCEL # 360

Dear MRS LOWE:

Percolation testing conducted 6 AUG 92 on the above referenced property indicated [~~unsatisfactory/limited satisfactory/satisfactory~~] soil conditions. Copies of the test results are enclosed.

Further review is contingent upon submission [by a registered engineer] of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable house and well site. [The plat should also include] [the following additional information]:

This should be submitted within sixty (60) days to allow field verification if necessary. If the proposal is for subdivision or for commercial use, a groundwater appropriations permit must be approved prior to approval of either the record plat or the site development plan.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours, *RLH*

Craig Williams, Director
Water and Sewerage Program

CW:jr

Enclosure(s)

cc: [Tax Assessment Office]
[Engineer]
[Owner]
File

LAND DESIGN ENGINEERING, INC.

PLANNING • ENGINEERING • SURVEYING

June 19, 1992

Mr. Craig Williams, Program Director
Bureau of Environmental Health
Howard County Health Department
3525-H Ellicott Mills Drive
Ellicott City, Maryland 21043

3704, 3710 Red Oak Lane
(lot 4) (lot 3)

Reference: Lowe Property
WP-92-197

Dear Mr. Williams:

Please find two (2) prints of the revised lot layout and percolation test proposal for the above referenced property. The new lot layout provides for a total of four lots essentially using most of the previous percolation test locations with reconfigured sewage disposal areas. However, new tests will be required on new Lot 3 and possibly on new Lot 4. The percolation test data chart located on the lower left of the plan has also been revised to provide a coordinated summary. I believe the new plan provides a viable layout which addresses the Department of Planning & Zoning concerns regarding the use-in-common easement which formerly bisected old Lot 4.

Please review the plan, should you have any questions, contact our office. Our client would like to set up perc testing as soon as possible.

Very truly yours,

LAND DESIGN ENGINEERING, INC.

Bruce D. Burton
Bruce D. Burton, P.E.
Project Manager

BDB/lb
encls:

cc: Elmina J. Hilsenrath, Chief DCPLD
Richard Blood, DPZ
Jeanette Anders, DPZ
Lois Lowe

OK -
APPL. PERMITS
TEST DATA
7/25/92
10:00
CW