



Howard County
Health Department

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 524/32

AGENCY REVIEW: _____

DATE 2/24/04

04-339711

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- ☒ CONSTRUCT NEW SEPTIC SYSTEM(S)
☐ REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
☐ REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- ☒ NEW STRUCTURE(S)
☐ ADDITION TO AN EXISTING STRUCTURE
☐ REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- ☐ CREATE NEW LOT(S)
☐ BUILD ON AN EXISTING LOT IN A SUBDIVISION
☒ BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- ☐ YES
☒ NO

THE TYPE OF STRUCTURE IS:

- ☐ RESIDENTIAL WITH _____ PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
☐ COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
☐ INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) William Boettner

DAYTIME PHONE _____ CELL 410.320.7330 FAX _____

MAILING ADDRESS 16272 Compromise Ct. Mt. Airy MD. 21771
STREET CITY/TOWN STATE ZIP

APPLICANT William Boettner

DAYTIME PHONE 410.781. CELL 410.320.7330 FAX 410.781.

MAILING ADDRESS 16272 Compromise Ct. Mt. Airy MD 21771
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Lisbon Manors LOT NO. 4

PROPERTY ADDRESS 16272 Compromise Ct. Mt. Airy 21771
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 2 GRID 23 PARCEL(S) 219 PROPOSED LOT SIZE 26.39 Ac.

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

William Boettner

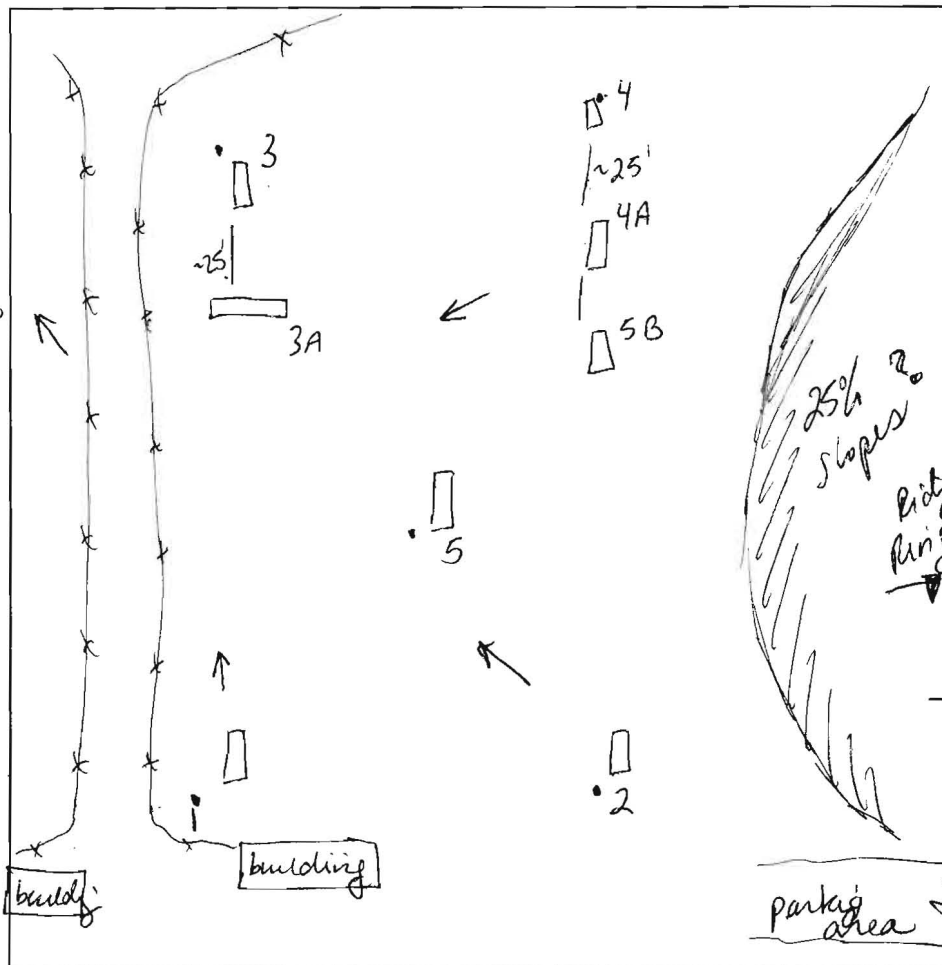
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P
5B
dark brown
L ssk
1'
reddish
yellow
silt m
micaceous
small
channeled flags
3-4'
brown
s1 sg
pl due to
slaty channery
35-40%
+ flaggy 15%
11'
HB

1
dark brown
L ssk
6"
brown
s1 m
micaceous
2'
reddish
yellow
silt
micaceous
30-35%
channeled
15% gravel
6'
pale reddish
yellow
fine s1 but
gritty w/ rock frags
sg
micaceous
flaggy 10%
13'

2
dark brown
L / felt
~6"
brown
silt m
micaceous
6'
pale reddish
yellow
dense silt
5-6"
pale brown
fine s1 sg
30-35%
channeled
flaggy
13'



5/9/4A
dark brown
L
brown
s1 sg
very coarse
micaceous
~45%
shale
channeled
flaggy
cave in
along orders

5
brown L
brown
silt m
micaceous
10-15%
gravel/channeled
gravel
brown
s1 sg
fine w/ rock
flaggy
25% channeled
gravel
gravel

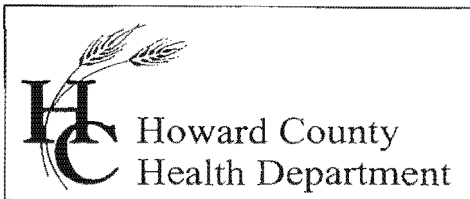
3A
brown L
skk
1'
brown
silt m
coarse
4'
brown
fine s1 sg
rock flags
gritty
6'
reddish yellow
s1 sg
pl 35%
channeled
flaggy
10'
HB

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
3/9/06	1	7' / 13'	1:03 ⁵⁴	1:10 ⁰³	1:21	11	P
	2	7' / 13'	1:32 ⁰⁰	1:40 ⁰⁴	1:49	9	P
	5	6' / 13'5"	2:04 ⁰⁸	2:07 ⁴³	2:12	5	P
	3	6'		Rock			F
	4	6'		Rock			F
	3A	4' / 10'	2:25 ⁵⁶	2:29 ⁰⁷	2:35	6	P
	4A	8'		Rock			F
	5B	3'8" / 11'	2:57 ⁰¹	2:59 ³²	3:02	3	P

REMARKS Holes staked per plan by owner
2' contours on perc cent, keep 5B shallow
 SANITARIAN SF BACKHOE Fogles OTHERS B. Boettner
 TEST HOLES USED IN SDA _____ AVG. PERC TIME 4.8 SQ. FT/BR 180
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Holes 3, 4, 4A all very poor, unmountable for SDA.
 Do not extend SDA past 3A and 5B.

1943



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046
(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

March 16, 2006

William Boettner
16272 Compromise Court
Mt. Airy, Maryland 21771

RE: PERCOLATION TEST RESULTS – A524132
16272 Compromise Court

Dear Mr. Boettner:

Percolation testing conducted March 9, 2006 on the referenced property indicated satisfactory soil conditions. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) Actual locations and elevations of all excavated test holes.
- 2) Proposed building, well and septic system.
- 3) Locations of well and septic system for existing house.
- 4) Locations of any other relevant features such as streams, swales, or existing structures.
- 5) Plan needs to be on a 2 foot contour.
- 6) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown.
- 7) A note indicating that depicted topography reflects field-matched information.
- 8) A health officer signature block stating "approved for private water and private sewer systems."
- 8) A MDE sewage disposal area statement is required.
- 9) MDE minimum lot width statement.
- 10) General statement regarding the maximum number of bedrooms per home.
- 11) Add the A# in the title block

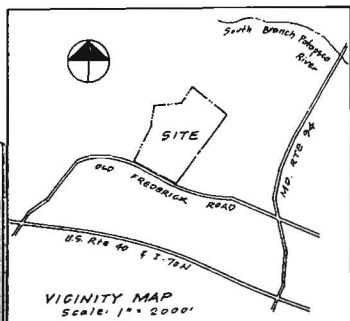
If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-1771.

Sincerely,



Sara Fegel
Well and Septic Program
Development Coordination Section

SF
Enclosures
Cc: File



CURVE DATA				
STATION	RADIUS	Δ	ARC	CHORD
227-210	1000.00'	11° 31' 31"	201.16'	566° 24' 59" E 200.88'
215-216	901.19'	11° 04' 55"	174.31'	N 34° 53' 14" E 174.03'
216-224	657.76'	13° 29' 30"	154.89'	N 33° 40' 57" E 154.53'
208-206	50.00'	250° 31' 44"	218.63'	S 27° 47' 57" E 81.65'
206-207	25.00'	70° 31' 44"	30.77'	S 62° 12' 43" W 28.87'
226-214	707.76'	13° 29' 30"	166.66'	S 33° 40' 57" W 166.28'
214-213	851.19'	11° 04' 55"	164.63'	S 34° 53' 14" W 164.98'

COORDINATES				
STATION	NORTH	EAST	STATION	NORTH
113	552,482.35	777,449.57	213	553,120.51
112	552,990.64	776,745.51	254	552,958.31
111	553,024.93	776,777.45	256	552,964.27
227	553,099.62	776,602.82	228	552,515.14
218	553,013.28	776,786.87	113	552,482.35
255	553,022.82	776,820.91	17	554,187.05
219	553,215.01	776,928.97	109	554,761.39
216	553,357.77	777,028.51	108	554,816.09
224	553,460.36	777,114.21	16	554,935.57
206	553,411.39	777,177.71	106	554,801.66
205	553,539.10	777,215.79	15	555,014.05
207	553,625.64	777,190.26	11	555,218.79
226	553,463.77	777,158.79	12	554,721.53
214	553,325.34	777,066.57	13	554,452.94

Maryland State Plane Coordinate System

TOTAL NUMBER OF LOTS: 9
 TOTAL AREA OF LOTS: 77.7863 AC.
 TOTAL AREA OF ROAD DEDICATION: 2.1599 AC.
 TOTAL AREA OF RECREATION DEDICATION: 2.1397 AC.
 TOTAL AREA OF PLAT: 82.0859 AC.

APPROVED: For Private Water & Private Sewerage Systems, Howard County Health Department

By: *John P. Borden* 11-2-78
 County Health Officer Date

APPROVED: Howard County Office of Planning and Zoning

By: *John P. Borden* 11-30-78
 Director Date

APPROVED: For Private Water, Private Sewerage, Storm Drainage Systems & Public Roads, Howard County Department of Public Works.

By: *Robert E. Greenberg* 11/21/78
 Director Date

OWNER'S CERTIFICATE

We, the SIMCO CORPORATION a Maryland Corporation, by Stanley Singer, President, David Silverman, Secretary-Treasurer, 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 & grant unto Howard Co., all its successors and assigns, (1) the right to construct & maintain sewers, drains, water pipes and other municipal utilities & services, in and under all roads & street right-of-ways and specific easements as shown hereon; (2) dedicate to public use the beds of streets & roads and floodplains and open space where applicable; (3) that no building or similar structure of any kind shall be erected on or over the said easements and right-of-ways; and (4) if it is further agreed that maintenance of all waterway, drainage easements and/or floodplains shown hereon and the responsibility of property owner, its successors and assigns.

SIMCO CORP. 11/21/78
 By: *Stanley Singer* Date
 Pres. Sec. Treas.

SURVEYOR'S CERTIFICATE

I, HERBERT MALMUD, hereby certify that the Final Plat shown hereon is correct; that it is a subdivision of part of the land conveyed by Harry L. Simms and wife, et al to Simco Corporation by deed dated April 10, 1963 and recorded in the Land Records of Howard County in Liber 398, Folio 327, and that all pipes are in place as shown, in accordance with the Annotated Code of Maryland, as amended.

By: *Herbert Malmud*
 HERBERT MALMUD
 Registered Land Surveyor
 M.G. No. 7558
 AUGUST 26, 1978
 Date

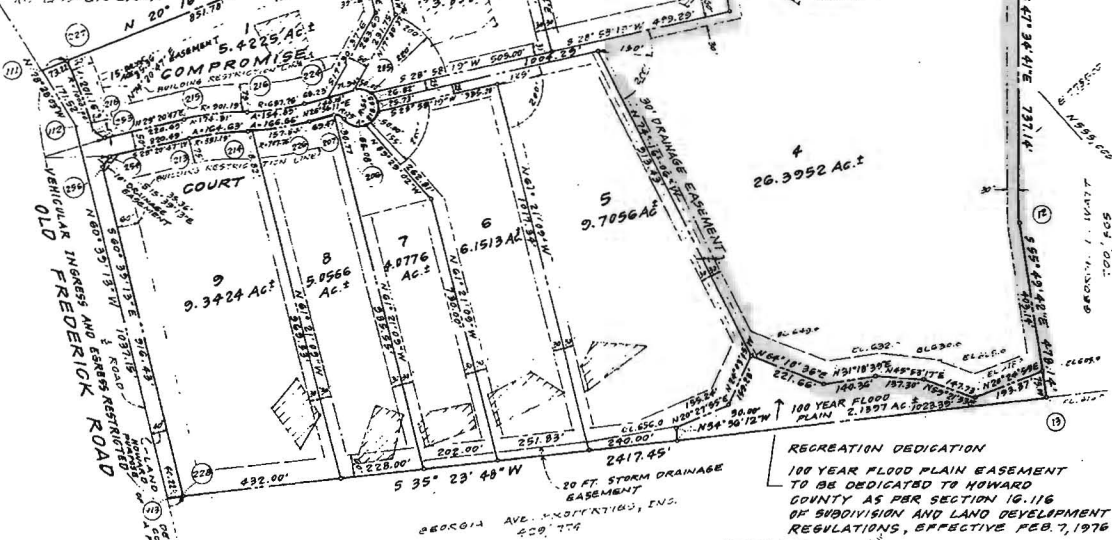
LISBON MANORS

4th ELECTION DISTRICT
 HOWARD COUNTY, MD.

Scale: 1" = 200' August 23, 1978

PREPARED BY:
 H. MALMUD & ASSOCIATES, INC.
 8015 Meadow Heights Road
 Randallstown, Maryland 21133
 Telephone (301) 655-6465

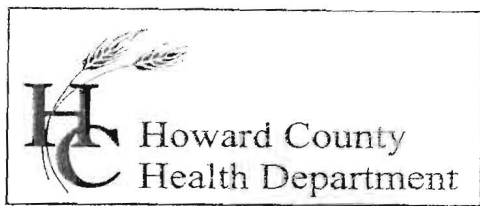
FIELD LOCATED PERCOLATION TEST HOLES.
 PRIVATE SEWAGE EASEMENT, 10,000 SQ. FT. MINIMUM AS REQUIRED BY MD. STATE DEPT. OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE AND CONNECTED TO RESIDENTIAL STRUCTURES. AT NO TIME THESE EASEMENTS SHALL BE FOR ANY OTHER USE.



RECREATION DEDICATION
 100 YEAR FLOOD PLAIN EASEMENT TO BE DEDICATED TO HOWARD COUNTY AS PER SECTION 16-116 OF SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, EFFECTIVE FEB. 7, 1976

OWNER-DEVELOPER
 SIMCO CORPORATION
 1001 W. Noland Dr.
 Silver Spring, Md. 20903
 Telephone (301) 593-7858

Received for Transfer
 HOWARD COUNTY
Charles R. Borden
 Register Clerk
 Date 11/30/78 Plat



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

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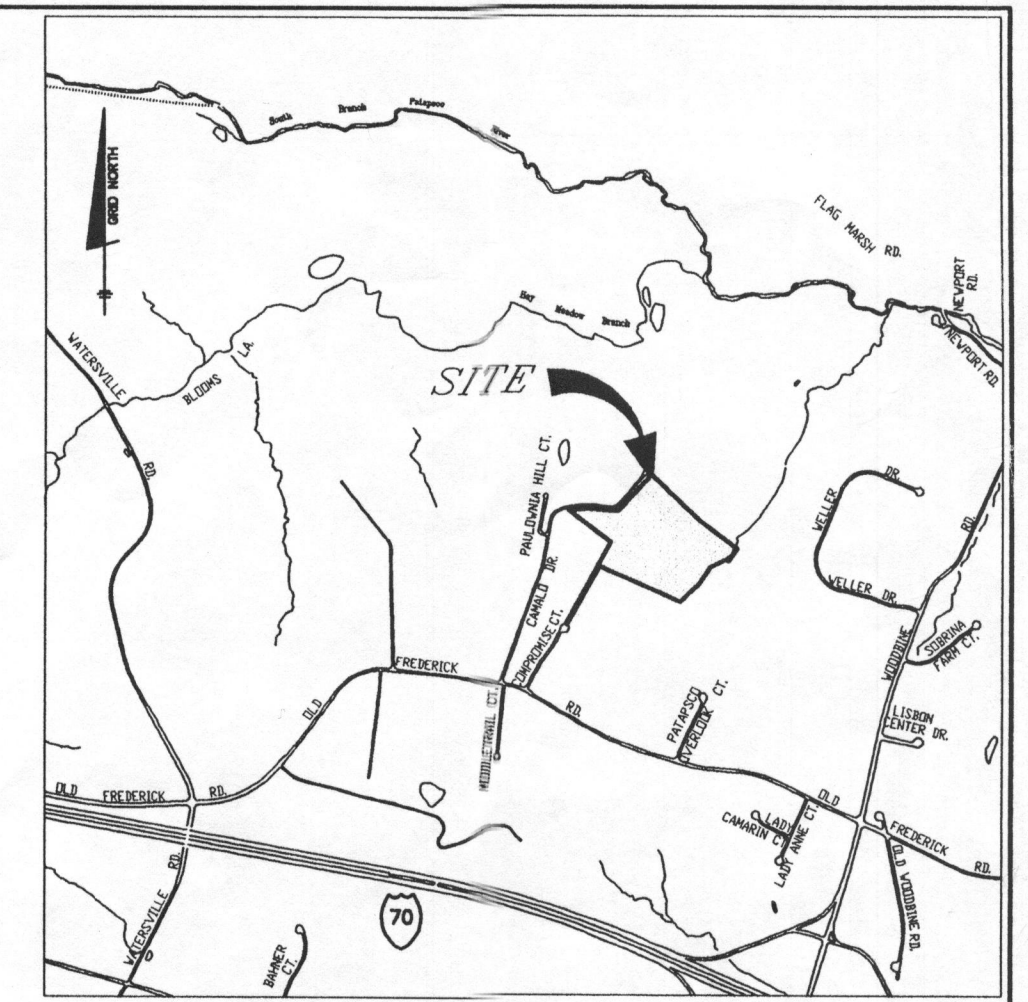
SF
Enclosures
Cc: File



PLAN VIEW
SCALE: 1" = 100'

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- LIMIT OF WETLANDS
- EXISTING WOODS LINE
- PROPOSED WOODS LINE
- EXISTING STRUCTURE
- PROPOSED STRUCTURE
- EXISTING WELL
- PROPOSED WELL
- EXISTING SEPTIC FIELD
- PROPOSED SEPTIC FIELD
- PERCOLATION TEST LOCATION - PASSING
- PERCOLATION TEST LOCATION - FAILED
- 1500 S.F. WELL ENVELOP
- STEEP SLOPES 25% OR GREATER



SITE VICINITY MAP
SCALE: 1" = 2000'

NOTES

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
- TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY 200' SCALE TOPO. MAPS.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE LOT ARE SHOWN FROM THE BEST AVAILABLE INFORMATION.
- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- WELLS SHALL BE DRILLED PRIOR TO BUILDING PERMIT. IT IS THE OWNERS RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO BUILDING PERMIT APPLICATION. IT WILL NOT BE CONSIDERED GOVERNMENTAL DELAY IF THE WELL DRILLING HOLDS UP THE ISSUANCE OF THE BUILDING PERMIT.

SOILS LEGEND

MAP SYMBOL	SOIL GROUP	SOIL TYPE
GIB2	B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
GIC2	B	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
*GIB2	C	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MIB2	B	MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MC2	B	MT. AIRY CHANNERY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
MC3	B	MT. AIRY CHANNERY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
MD2	B	MT. AIRY CHANNERY LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED

* INDICATES HYDRIC SOILS
TAKEN FROM SOILS SURVEY, ISSUED JULY 1968, MAP NO. 2

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF.

Donald Mason
DONALD MASON P.E. NO. 21443
PLAN PREPARER

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

Robert J. Water 7/10/06
FOR HOWARD COUNTY HEALTH OFFICER DATE
SE 1702

NO.	DATE	REVISION
BENCHMARK ENGINEERS • LAND SURVEYORS • PLANNERS ENGINEERING, INC. 8480 BALTIMORE NATIONAL PIKE • SUITE 418 ELLCOTT CITY, MARYLAND 21043 phone: 410-465-6105 • fax: 410-465-6644 www.bei-civilengineering.com		
OWNER:	PROJECT:	
WILLIAM BOETTNER 16271 COMPROMISE CT. MT. AIRY, MARYLAND 21771	LISBON MANOR LOT 4 PLAT NO. 4150	
LOCATION:		TAX MAP NO. 2 - PARCEL 219 GRIDS - 23 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE:		
PERCOLATION CERTIFICATION PLAN DC 544132		
DATE:	JUNE, 2006	PROJECT NO. 1943
Design:	DAM	Draft: EDD
SCALE: 1" = 100'		DRAWING 1 OF 1

SIGNED 7/10/06