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 Debran and William Anderson
Brooke Tompkins-McDade
C/O Trinity Quality Homes Inc

ADDRESS 7320 Gore Drive Columbia MD 21044 PHONE (410) 531-6444

AGENT OR PROSPECTIVE BUYER Trinity Quality Homes Inc
7320 Gore Drive

ADDRESS Columbia MD 21044 PHONE (410) 531-6444

PROPERTY LOCATION:
* The Preserve at Waverly Woods
A Subdivision of Shadow Shade Lots 1+2+ Pres. Parcel

SUBDIVISION and Highpoint at Breezewood Farms LOT NO. 18

ROAD AND DESCRIPTION Woodstock Road and Route 99 (Frederick Road)

TAX MAP 10 PARCEL # 36+102

SIZE OF LOT 1 Ac TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

THIS IS NOT A PERMIT

HD-216 (3/92)

COUNTY #

SOIL PROFILE 213

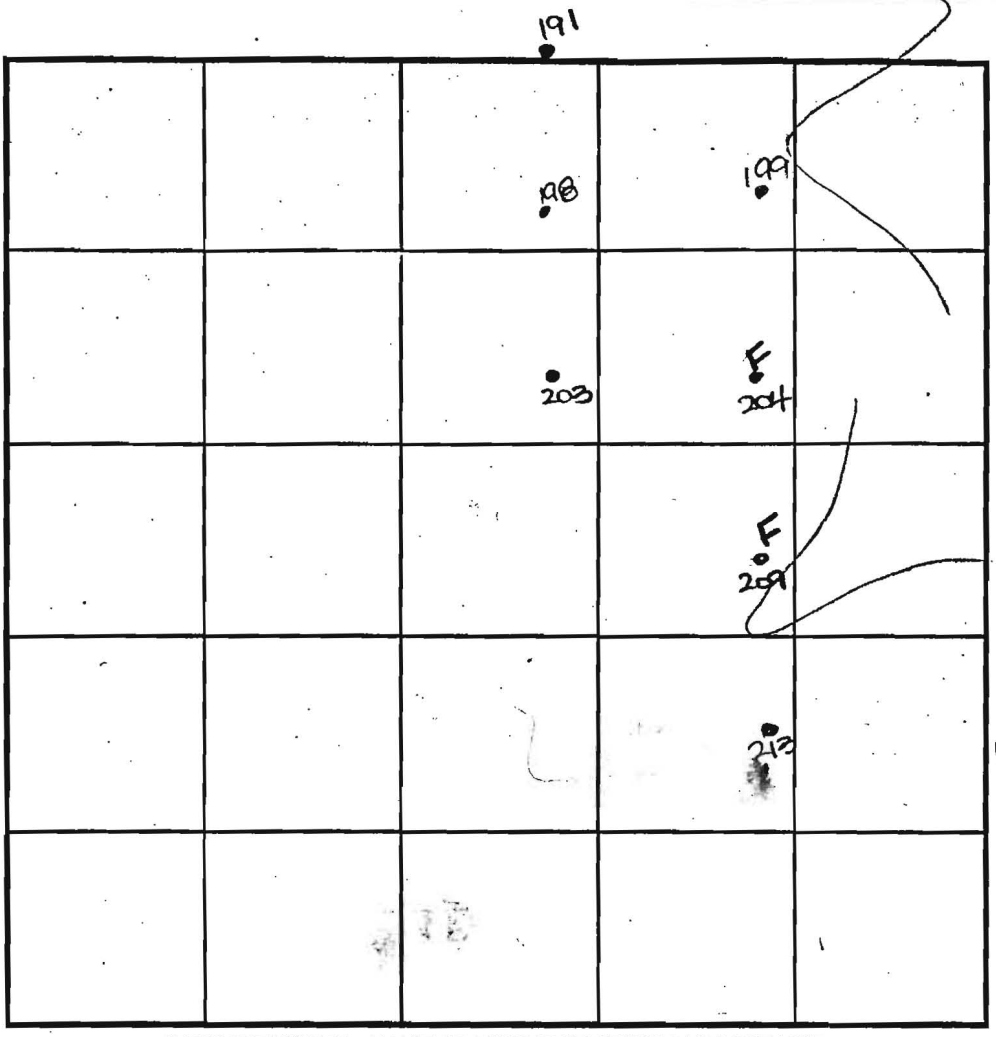
0'
6" topsoil
org brn cl lm
2.5'
A org brn sa mica lm
20%+ rock
10' Refusal

SOIL PROFILE 204/200

0'
6" topsoil
org brn cl lm
6'+
patches 60% rock
lt brn sa mica lm
12.5'

0' 199
6" topsoil
org brn cl lm
3.5'
lt brn sa mica lm
40%+ rock patches
11.5'

0' 198/203/191
6" topsoil
br org brn cl lm
2.5'+
lt brn sa mica lm
15% rock
1.5'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
1-5-01	213	3.0'S	11:12	11:14	11:14	11:18	4
		10.0'D	Refusal	- see	profile		OK
	199	11.5'D	Visual	- See	profile		OK
	198	3.0'S	11:24	11:33	11:33	11:44	11
		12.5'D	Visual	-see	profile		OK
	203	12.5'D	Visual	- see	profile		OK
	204	12.5'D	Refusal	- see	profile		FAIL
	209	10.5D'	Refusal	-See	profile		FAIL
1-11-01	191	12.0'D	Visual	- see	profile		OK

REMARKS holes tested as staked

TYPE OF SOIL

TESTED BY DLC ALSO PRESENT T. Feaga, C. Zepp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPLICATION

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TELEPHONE: 313-2640

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 Deboran and William Anderson Brooke Tompkins-McDade C/O Trinity Quality Homes Inc

ADDRESS 7320 Grace Drive Columbia MD 21044 PHONE (410) 531-6444

AGENT OR PROSPECTIVE BUYER Trinity Quality Homes Inc 7320 Grace Drive

ADDRESS Columbia MD 21044 PHONE (410) 531-6444

PROPERTY LOCATION: * The Preserve at Waverly Woods A Resubdivision of Shadow Shade Lots 1+2+ Pres. Parcel

SUBDIVISION and Highpoint at Breezewood Farms LOT NO. _____

ROAD AND DESCRIPTION Woodstock Road and Route 99 (Frederick Road)

TAX MAP 10 PARCEL # 36+102

SIZE OF LOT 1 AC TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

THIS IS NOT A PERMIT

HD-216 (3/92)

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PROPERTY OWNER Deborah and William Anderson
Brenda Tompkins-McDade
C/O Trinity Quality Homes Inc

ADDRESS 7320 Grace Drive PHONE (410) 531-6444
Columbia MD 21044

AGENT OR PROSPECTIVE BUYER Trinity Quality Homes Inc
7320 Grace Drive

ADDRESS Columbia MD 21044 PHONE (410) 531-6444

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A Subdivision of Shadow Shade Lots 1 + 2 + Pres. Parcel

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THIS IS NOT A PERMIT

HD-216 (3/92)

COUNTY #

SOIL PROFILE

216

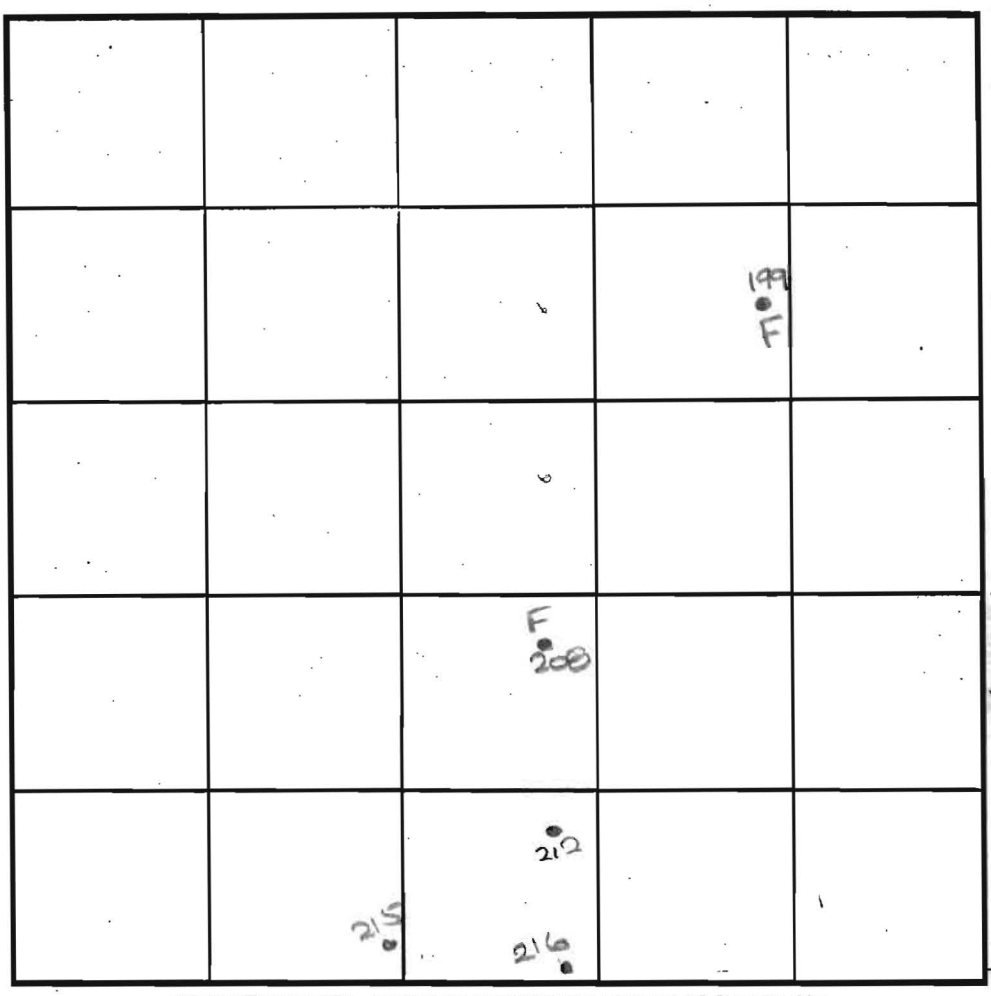
0'
6" topsoil
org brn cr Lm
3.5'
lt org brn sa mica Lm
15%+ rock
12'

215

0'
6" topsoil
org brn cl Lm
3'
lt brn sa mica Lm
10'9" Refusal

212

0'
6" topsoil
org brn cl Lm
2.5'
tan to beige sa mica Lm
30% rock
12.5'



SOIL PROFILE

208

0'
6" topsoil
org brn cl Lm
3'
tan sa mica Lm
7.5'
Leo% + hard rock
11.5' Refusal

199

0'
6" topsoil
org brn cl Lm
4'
lt brn sa mica Lm
7.5'
patches hard rock
12.6' Refusal

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

(* long driveway) Old Frederick Road

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
1-11-01	216	4.0'S	11:33	11:34	11:34	11:36	2
		12.0'D	visual	- see	profile		OK
	215	10'9"D	Refusal	- see	profile		OK
	212	2.5'S	11:53	11:54	11:54	11:56	2
		12.5'D	Refusal	- see	profile		OK
	208	11.5'D	Refusal	- see	profile		FAIL *
(Redig)	199	3.5'S	12:14	12:28	12:28	1:00	32
		7.0'm	12:04 12:07	12:10 12:08	12:10 12:08	12:12 12:09	1/2 1
		12.5'D	Refusal	- see	profile		FAIL *

REMARKS * holes 208 and 199 fail due to rapid movement of water thru soil / rock content

TYPE OF SOIL

TESTED BY DKC ALSO PRESENT C. Zepp, T. Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

COUNTY #

SOIL PROFILE

0'

526

1' topsoil

org brn cl lm

3'

org beige to brn sd micc lm

15% rock

12.5' Refusal

527

0' topsoil

1'

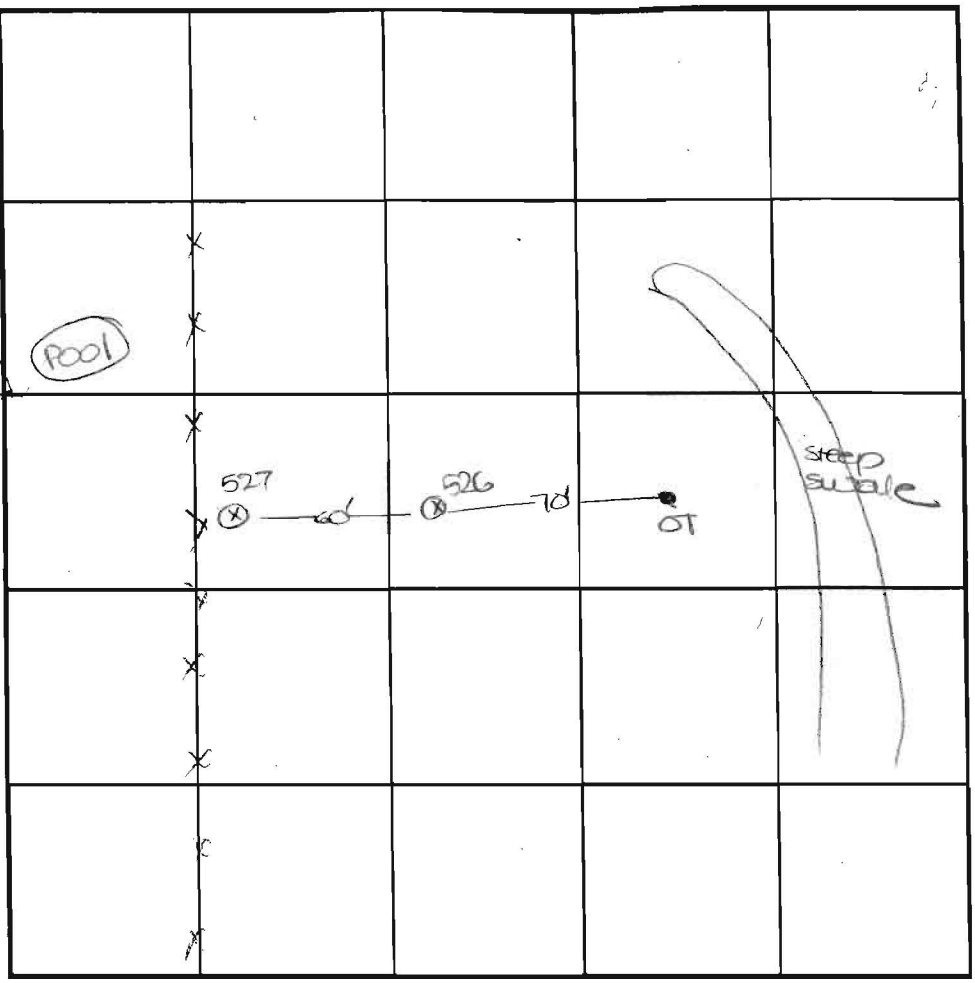
org brn cl lm

2.5'–3'

lt brn sd micc lm

5.5' Patch 60% rock

8'2" Refusal



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
5-16-01	526	12.5' D	Refusal	- see	profile		OK
	527	8'2" D	Refusal	- see	profile		FAIL

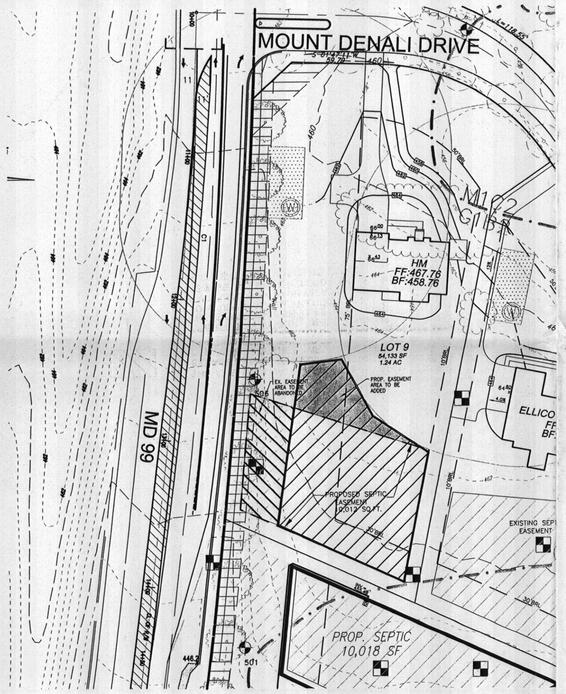
REMARKS holes not staked

TYPE OF SOIL

TESTED BY DKC ALSO PRESENT C. Zepp, T. Feaga

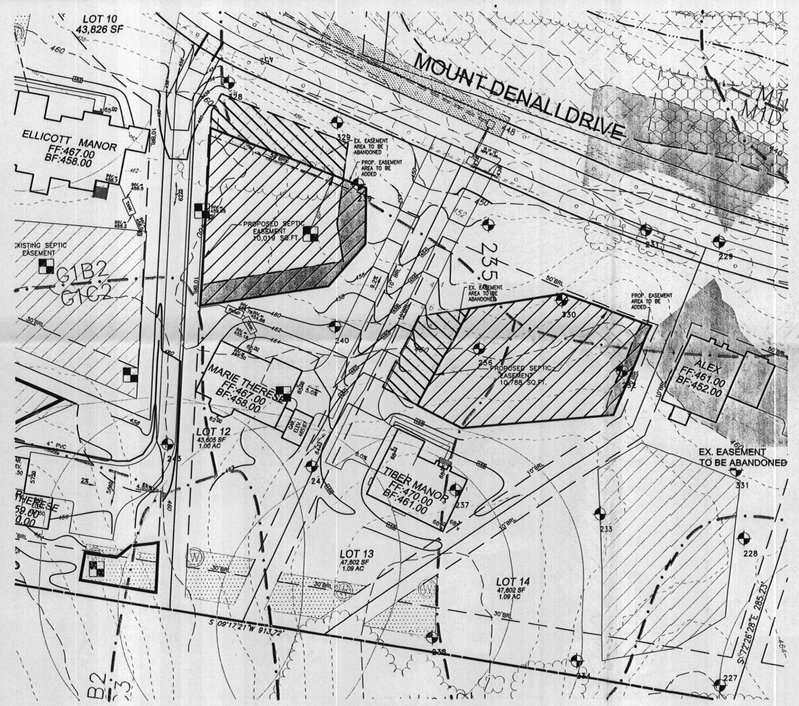
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

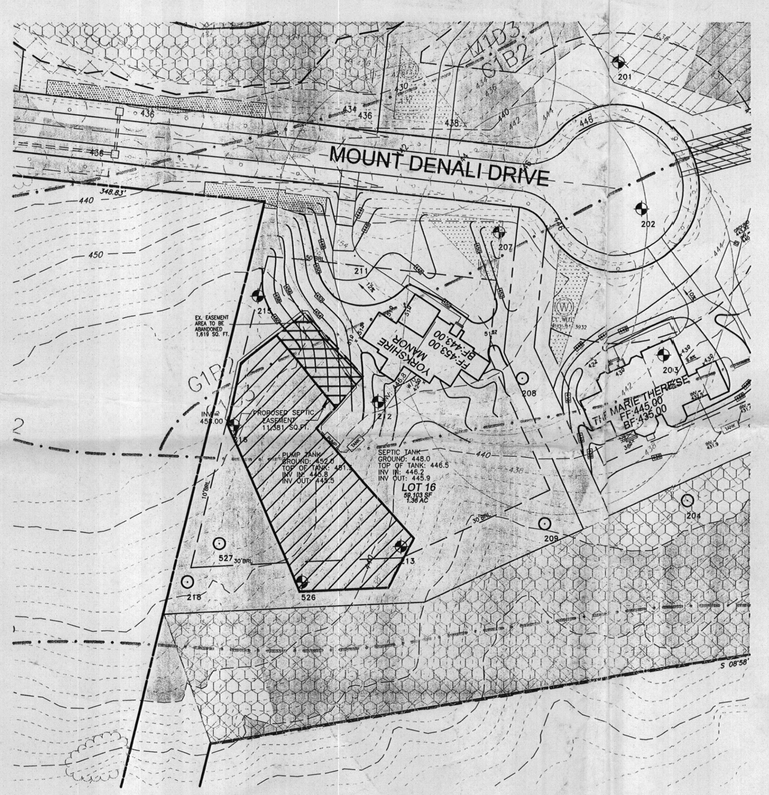


LOT 9

Maryland State Grid Meridian



LOTS 12 & 13

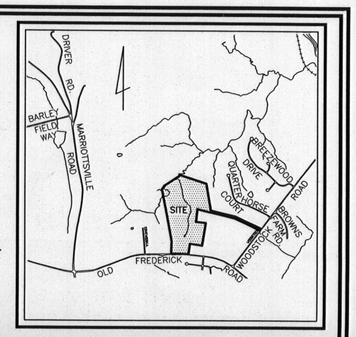


LOT 16

THIS AREA DESIGNATES A MINIMUM 10,000 SQ FT PRIVATE SEWAGE EASEMENT 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 BE NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

LEGEND

- EXISTING CONTOUR 382 / 380
- EXISTING TREES TO REMAIN
- SOIL BOUNDARY
- PASSED PERC. TEST 221
- FAILED PERC. TEST
- PREVIOUS PASSED PERC. TEST
- EXISTING WELL
- PROPERTY LINE
- PREVIOUSLY APPROVED SEPTIC AREA
- REVISED SEPTIC AREA
- PROP. SEPTIC AREA TO BE ADDED
- EX. SEPTIC AREA TO BE ABANDONED



VICINITY MAP

SCALE: 1"=2000'

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	TYPE	'K' VALUE	HYDRIC	HYDRIC INCLUSIONS
EIC3	ELIOAK SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES, SEVERLY ERODED	B	.28	NO	NO
GIB2	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B	.32	NO	NO
GIC2	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B	.32	NO	NO
GIC3	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERLY ERODED	B	.32	NO	NO
GnB2	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	C	.32	NO	YES
MIC2	MANOR LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B	.37	NO	NO
MID3	MANOR LOAM, 15 TO 25 PERCENT SLOPES, SEVERLY ERODED	B	.37	NO	NO
MIE	MANOR LOAM, 25 TO 45 PERCENT SLOPES	B	.37	NO	NO

GENERAL NOTES:

1. THE PROPERTY OUTLINE IS BASED ON A BOUNDARY SURVEY PREPARED BY FREDERICK WARD ASSOC., DATED MARCH 2001.
2. THE EXISTING FEATURES AND CONTOURS SHOWN HEREON ARE BASED ON AERIAL TOPOGRAPHY PREPARED BY POTOMAC AERIAL SURVEYS, INC. ON APRIL 4, 2001.
3. WELLS HAVE BEEN DRILLED AND FIELD LOCATED FOR LOT 9 (TAG # HO-94-3876), LOT 12 (TAG # HO-94-3879), LOT 13 (TAG # HO-94-3880) & LOT 16 (TAG # HO-94-3931).
4. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
5. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100' FROM THE PROPERTY BOUNDARIES HAVE BEEN SHOWN.
6. ANY CHANGE TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

NOTE:
THE PURPOSE OF THIS REVISED PERCOLATION CERTIFICATION PLAN IS TO REVISE THE SEPTIC EASEMENTS FOR LOTS 9, 12, 13 & 16.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEM ON LOTS 9, 12, 13 & 16.

B Wilson for Peter Beilenson — COUNTY HEALTH OFFICER — 8/17/2010 DATE

PERCOLATION CERTIFICATION:
I CERTIFY THAT THE LOCATIONS SHOWN HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT, TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

THOMAS M. HOFFMAN, JR. — LAND SURVEYOR No. 267 — 8.10.10 DATE

OWNER/DEVELOPER

TBI HOMES, INC.
3675 PARK AVENUE, SUITE 301
ELLICOTT CITY, MARYLAND 21043
(410) 480-0023

REVISED PERCOLATION CERTIFICATION PLAN

THE PRESERVE AT WAVERLY GLEN

LOTS 9, 12, 13 & 16

TAX MAP 10 BLOCK 23 — PARCELS '304' & '102'
4TH ELECTION DISTRICT — HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET
ELLICOTT CITY, MD 21043
TEL: 410.461.7666
FAX: 410.461.8961

ROBERT H. VOGEL PE No.16193

DESIGN BY:	JCO
DRAWN BY:	JCO&HS
CHECKED BY:	RHV
DATE:	JUNE, 2010
SCALE:	1"=50'
W.O. NO.:	2017139.0

SHEET 1 OF 1