

LAYOUT 7/29/2010 INSP 4 \_\_\_\_\_  
 INSP 2 8/20/10 INSP 5 \_\_\_\_\_  
 INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 6/30/10

# PERMIT

P 533312

APPROVAL DATE: 8/20/10

A 514619-D

Tax ID # 03-342549

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

TRINITY QUALITY HOMES INC IS PERMITTED TO INSTALL  ALTER

ADDRESS: \_\_\_\_\_ PHONE NUMBER: 443-324-9806

SUBDIVISION: The Preserve at Waverly Woods LOT NUMBER: 15

ADDRESS: 1851 Mount Denali Drive PROPERTY OWNER: Trinity Quality Homes Inc.

SEPTIC TANK CAPACITY (GALLONS): 2000 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4 APPLICATION RATE: 1.2

SQUARE FOOTAGE OF HOUSE: 8500  
*Inlet 3.5', Bottom 5.5'*

LINEAR FEET OF TRENCH REQUIRED: 103  
*2-55' Trenches other*

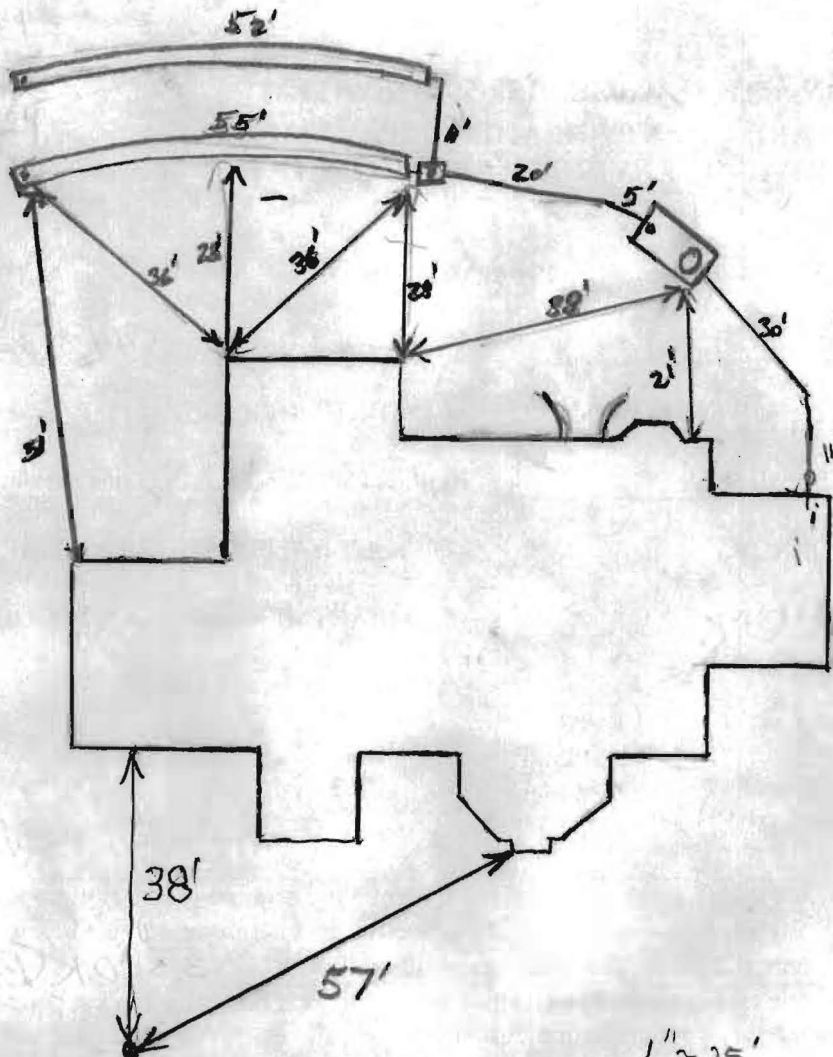
TRENCHES:	Trenches to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade with 2.0 feet of stone below distribution pipe. <i>3.5' P.O.K. (BB)</i>
LOCATION:	Set septic tank per layout inspection. Set distribution box at the highest point of septic easement per layout inspection. Install 103 feet of trench on contour per layout inspection.
NOTES:	<b>Do not</b> order the septic tank until after layout inspection and Sanitarian approval. Stake easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

PLANS APPROVED: Dana Bernard DATE: 5/18/10

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

**NEITHER THE HOWARD COUNTY COUNCIL OR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
 CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

NOT TO SCALE



HO-94-3882

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3.5'	5.5'
NUMBER OF TRENCHES		2
TOTAL LENGTH		107'
ABSORPTION AREA		321'+SW
DISTRIBUTION BOX LEVEL		Level
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	Yes
MANUFACTURER	Babylee
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	0.5-1'
BAFFLES	Yes
BAFFLE FILTER	
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	
SLOTTED	Yes 6-22-10
PUMP/SEPTIC TANK LEVEL N/A	
MANUFACTURER	
CAPACITY	
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	

PRE-CONSTRUCTION  
 7/29/2010 Install tank near where shown. Keep it exactly 20' from house. Install two 55'

trenches on contour towards driveway. Place distribution box near top center of easement. Use laser level. (B)

INSTALLATION: 8/20/10 System installed per plan. OK to backfill all work.

FINAL INSPECTOR K. Hall DATE OF APPROVAL 8/20/10

**MOUNT DENALI DRIVE**  
40' RIGHT-OF-WAY

MARYLAND STATE GRID MERIDIAN (NAD83/91)

R=1020.00' L=99.42'

N 06°22'11"E

42.16'

S 83°58'48"E

17.39'

NON-BUILDABLE BULK  
PARCEL G

50' B.R.L.

168.7'

PRIVATE  
SEWAGE EASEMENT

LOT 14

N 72°26'28"W 285.23'

10' B.R.L.

LOT 15

**LOT 15**  
47,278 SF

65.1'

S 82°47'08"E 267.44'

10' B.R.L.

12.7'

SEE DETAIL

30' B.R.L.

HO-943-882

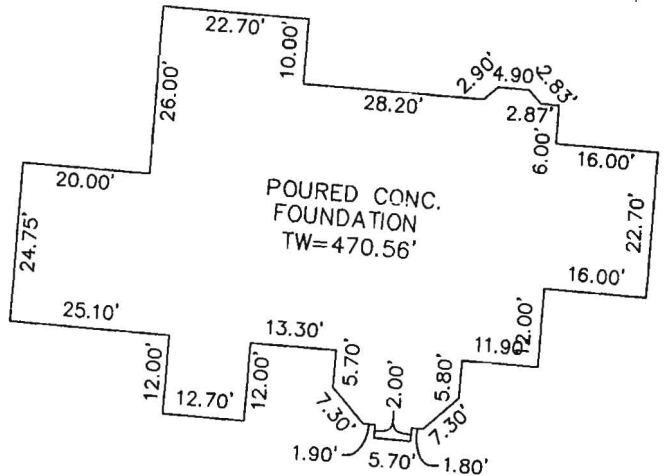
49.8'

S 09°17'21"W 193.18'

*Will check  
'OK' reB  
6/30/2010*

PRIVATE 10' FENCE  
MAINTENANCE EASEMENT  
PLAT NO. 17061

B.P.# B10000789  
1851 MOUNT DENALI DRIVE



DETAIL: 1"=30'

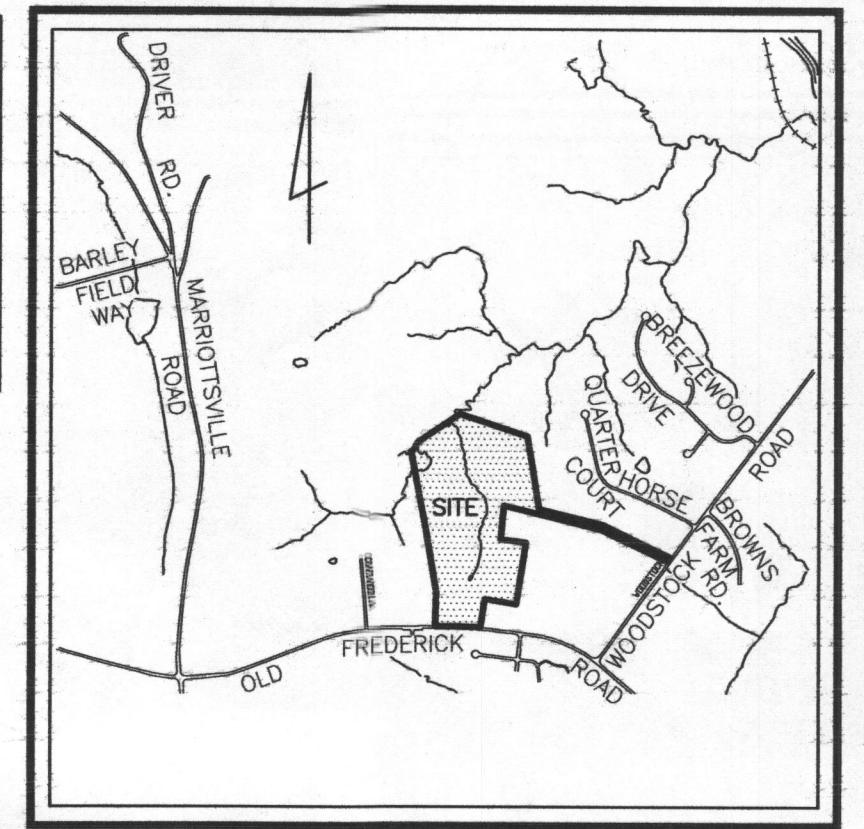
I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE,  
INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE  
LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS  
EXCEPT AS SHOWN.

*Thomas M. Hoffman Jr.* 6-22-10  
THOMAS M. HOFFMAN JR., PROPERTY LINE SURVEYOR #267 DATE

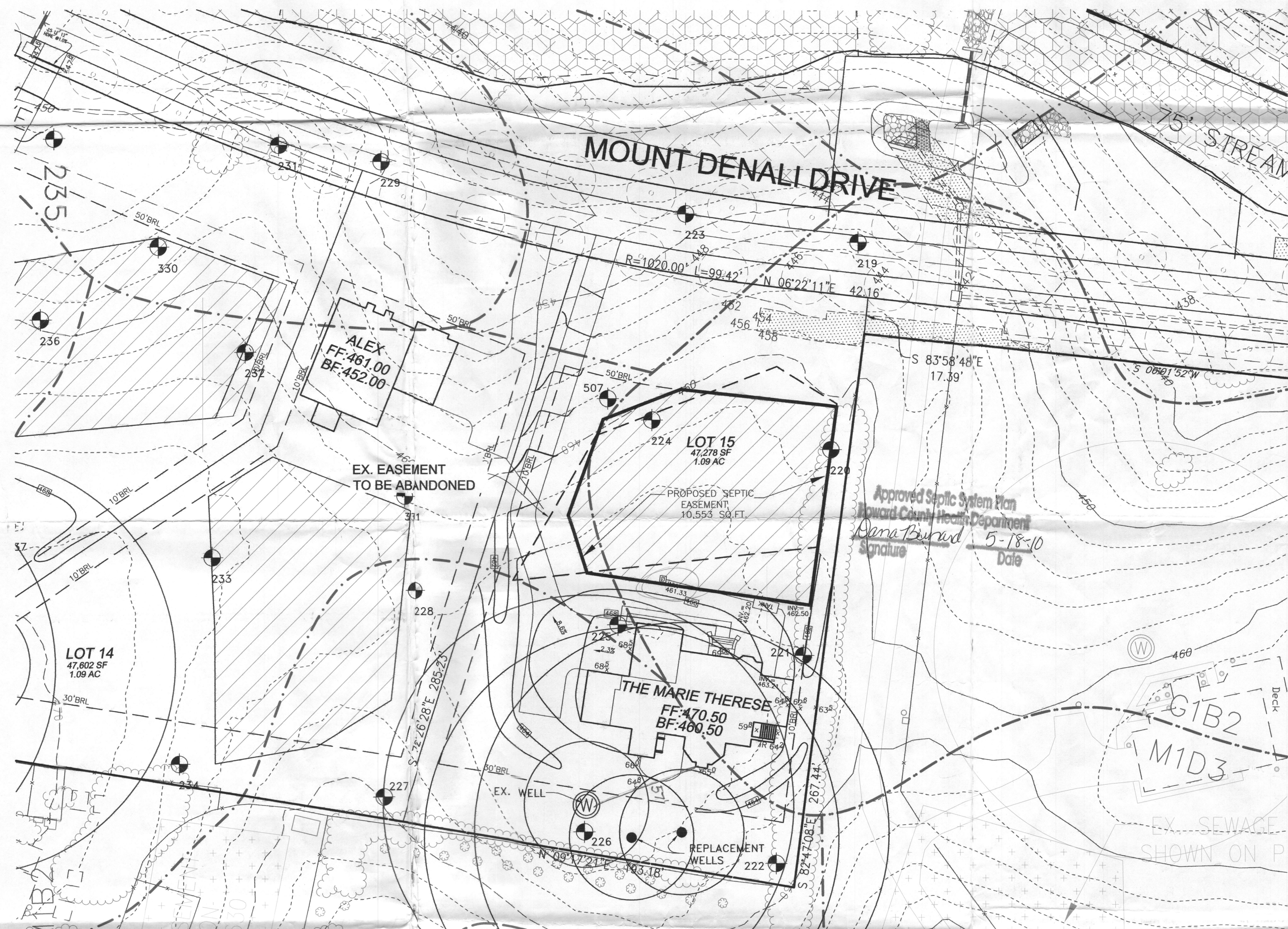
THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN  
ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'

SCALE 1"=50'	DATE 06/18/10	<b>ROBERT H. VOGEL ENGINEERING, INC.</b> ENGINEERS - SURVEYORS - PLANNERS 8407 MAIN STREET ELLICOTT CITY, MARYLAND 21043 TEL:410-461-7666 FAX:410-461-8961	<b>WALL CHECK DRAWING</b> LOT 15 THE PRESERVE AT WAVERLY GLEN PLAT No. 17061 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DRAWN BY B.D.A.	CHECKED BY T.M.H.		
PLAT NUMBER 17059-17069	JOB NUMBER 00-139		

SOILS LEGEND					
SYMBOL	NAME / DESCRIPTION	TYPE	'K' VALUE	HYDRIC	HYDRIC INCLUSIONS
EIC3	ELIOAK SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY 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, SEVERELY ERODED	B	.32	NO	NO
GIB2	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, SEVERELY ERODED	B	.37	NO	NO
MIE	MANOR LOAM, 25 TO 45 PERCENT SLOPES	B	.37	NO	NO



VICINITY MAP  
SCALE: 1"=2000'



- 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 15 (TAG # HD-94-3892).
  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.

**LEGEND**

EXISTING CONTOUR	
EXISTING TREES TO REMAIN	
SOIL BOUNDARY	
PASSED PERC. TEST	
FAILED PERC. TEST	
PREVIOUS PASSED PERC. TEST	
EXISTING WELL	
PROPERTY LINE	
PREVIOUSLY APPROVED SEPTIC AREA	
REVISED SEPTIC AREA	

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

NOTE:  
THE PURPOSE OF THIS REVISED PERCOLATION CERTIFICATION PLAN IS TO REVISE THE SEPTIC EASEMENT AND WELLBOX FOR LOT 15.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEM ON LOT 15.

*Richard J. [Signature]*  
COUNTY HEALTH OFFICER  
DATE: 4/27/10

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.*  
THOMAS M. HOFFMAN, JR.  
LAND SURVEYOR No. 267  
DATE: 4-28-10

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.

REVISED PERCOLATION CERTIFICATION PLAN  
THE PRESERVE AT WAVERLY GLEN  
LOT 15

TAX MAP 10 BLOCK 23  
4TH ELECTION DISTRICT  
PARCELS '304' & '102'  
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

DESIGN BY: JCO  
DRAWN BY: JCO  
CHECKED BY: RHY  
DATE: APRIL, 2010  
SCALE: 1"=30'  
W.D. NO.: 2017139.0  
1 SHEET OF 1

