

# 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 8/17/00

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 CARPENTER, FROCK LILLY AND BRANDE

ADDRESS C/O TRINITY QUALITY HOMES INC  
7320 GEORGE DRIVE PHONE (410) 977-3082

AGENT OR PROSPECTIVE BUYER COLUMBIA MD 21044  
TRINITY QUALITY HOMES, INC

ADDRESS 7320 GEORGE DRIVE PHONE (410) 977 8082  
COLUMBIA MD 21044

PROPERTY LOCATION:

SUBDIVISION CASTLEBERRY AT TEW OAKS LOT NO. 3433

ROAD AND DESCRIPTION TEW OAKS ROAD

TAX MAP 28 PARCEL # 551, 90, 60

SIZE OF LOT 40,000 - 60,000 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.

Neil P. Paul (P)  
(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 \_\_\_\_\_

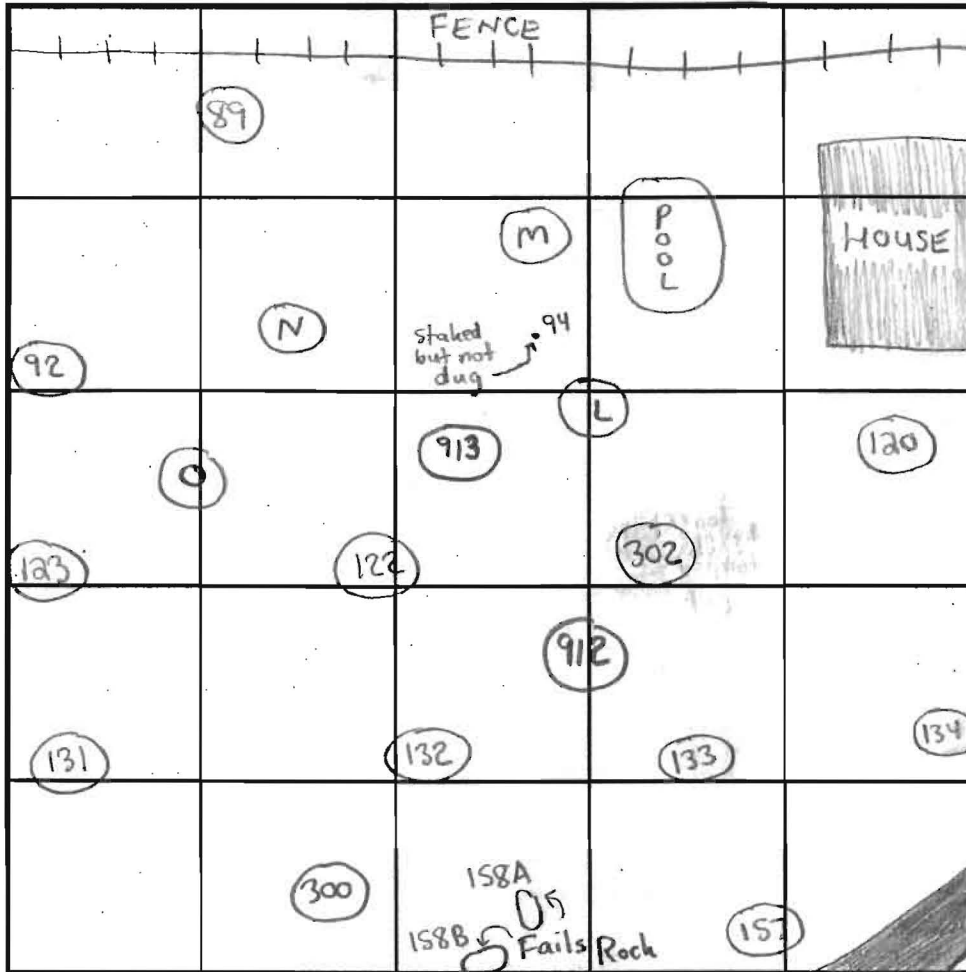
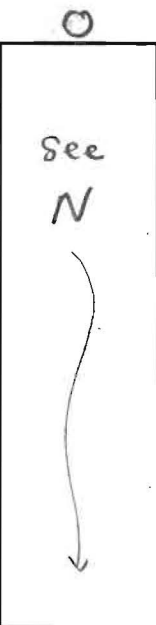
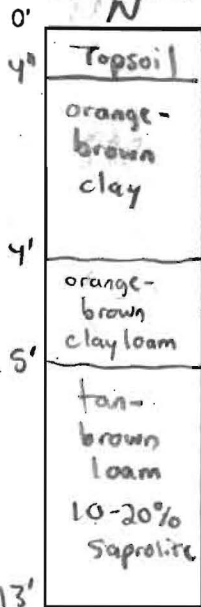
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

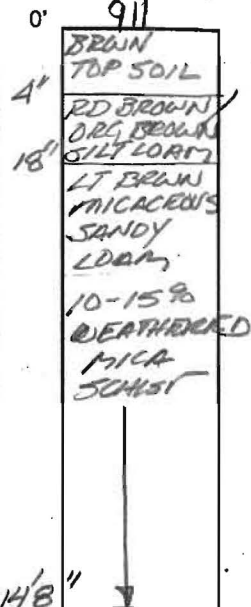
NOT TO SCALE

COUNTY #

SOIL PROFILE



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/21/00	N	3'10" T 13' V	4:16 pm	4:19 pm	4:20 pm	4:23 pm	3 min	OK
	O	4'2" T 13' V	3:48 pm	3:53 pm	3:53 pm	3:58 pm	5 min	OK
		(SEE SOIL PROFILE FOR HOLE N)						
4/10/02	911	3' T 14'8" V	11:53 pm	11:55 pm	11:55 pm	11:58	3 min	OK
		NOT MEANT AS A WET SEASON TEST						

REMARKS

TYPE OF SOIL Genelec 11/21/00  
 TESTED BY SRK Chops Atkins & Donn Spain 11/21/00  
Rodriguez Heaps = Backhoe ALSO PRESENT Frank Alfonso on 4/10/02  
Robert Fybel = 11 4/10/02  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

NOT TO SCALE

COUNTY #

SOIL PROFILE 125

0'  
12'3"  
12'11"

Appears to be Fill Soil. Soil color/horizons out of place not consistent with other holes

WATER

128

4"  
2'  
4'  
9'8"  
11'5"  
13'

Topsoil  
Black top fill  
orange-brown clay  
orange-brown silty loam

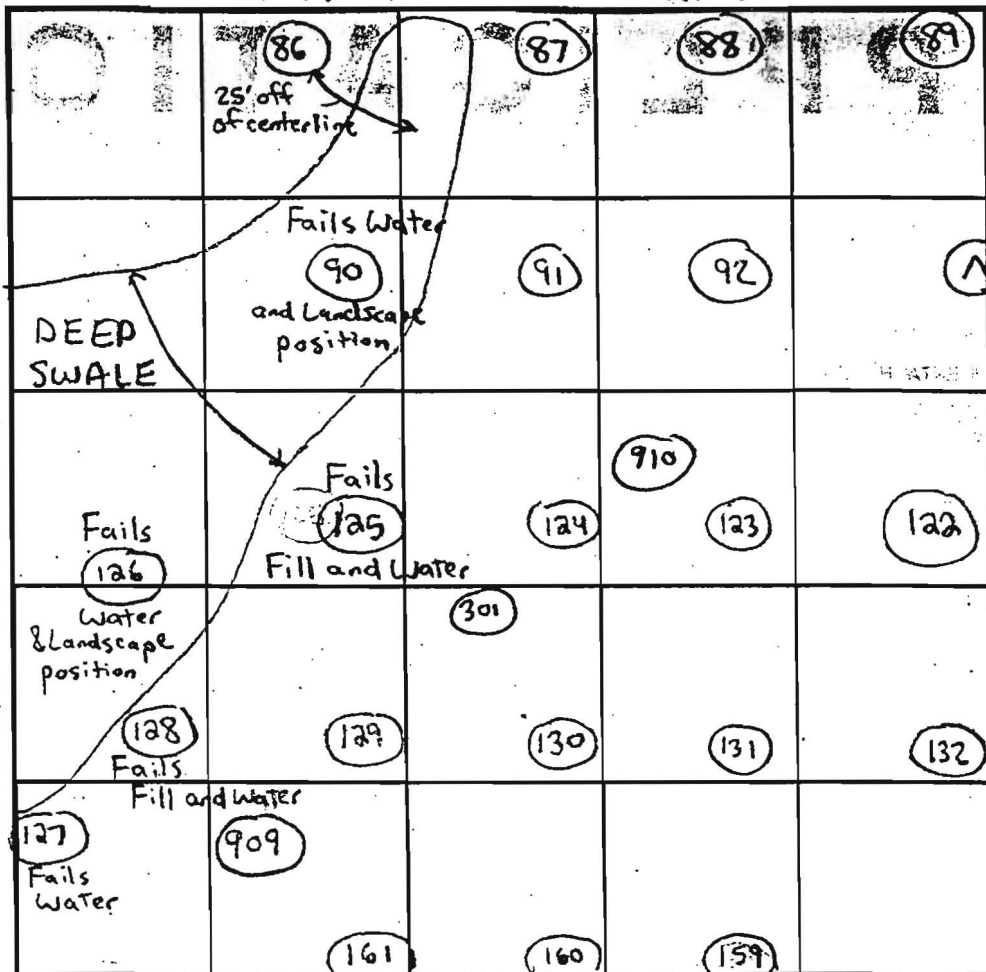
Seaming mottling redox features

WATER

132/159

4"  
4'  
5'

Topsoil  
orange-brown clay  
orange-brown clay loam  
tan loam  
10-20% Saprolite



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE 131

0'  
4'  
4'  
5'  
13'  
4"  
3'  
14'

Topsoil  
orange-brown clay  
orange brown clay loam  
tan loam  
10-20% saprolite  
SCHIST

909  
DK BROWN TOP SOIL  
ORG BROWN SILTY CLAY LOAM  
MICACEOUS SANDY LOAM  
10-15% MICA SCHIST

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/21/00	128	3'11" T / 13' V	2:53pm	2:59pm	2:57pm	3:03pm	Fails	Fails
EVIDENCE OF SOME FILL)								
	132	4'11" T / 13' V	3:15pm	3:17pm	3:18pm	3:20pm	2min	OK
	131	3'9" T / 13' V	3:25pm	3:26pm	3:26pm	3:28pm	2min	OK
	59	3'11" T / 12'11" V	3:32pm	3:33pm	3:33pm	3:35pm	2min	OK
		12'11" V	(SEE SOIL PROFILE FOR HOLE					132
4/10/02	909	3'9" T / 14' V	10:41	10:46	10:46	10:55	9min	OK
11/21/00	125	12'11" V	(FILL SOIL & WATER)					Fails

REMARKS: NOT MEANT AS A WET SEASON TEST

TYPE OF SOIL: Glenelg

TESTED BY: SRK, Chops Atkins & John Spain = Posthole, Ronnie Heaps = Backhoe, & Robert Fyock = on 4/10/02

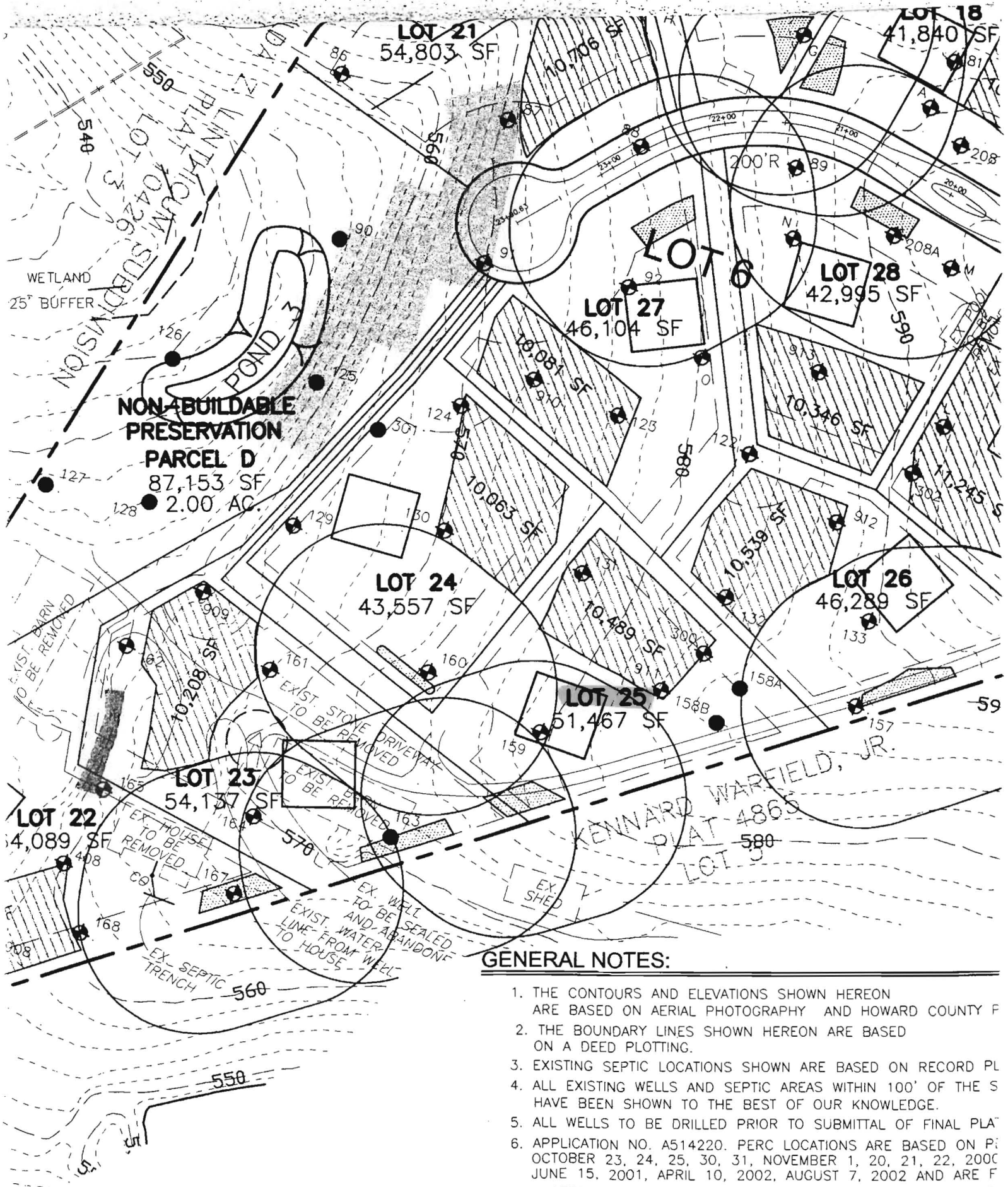
ALSO PRESENT: Frank Alfonso, Carpenter's, Tim Keane on 4/10/02

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

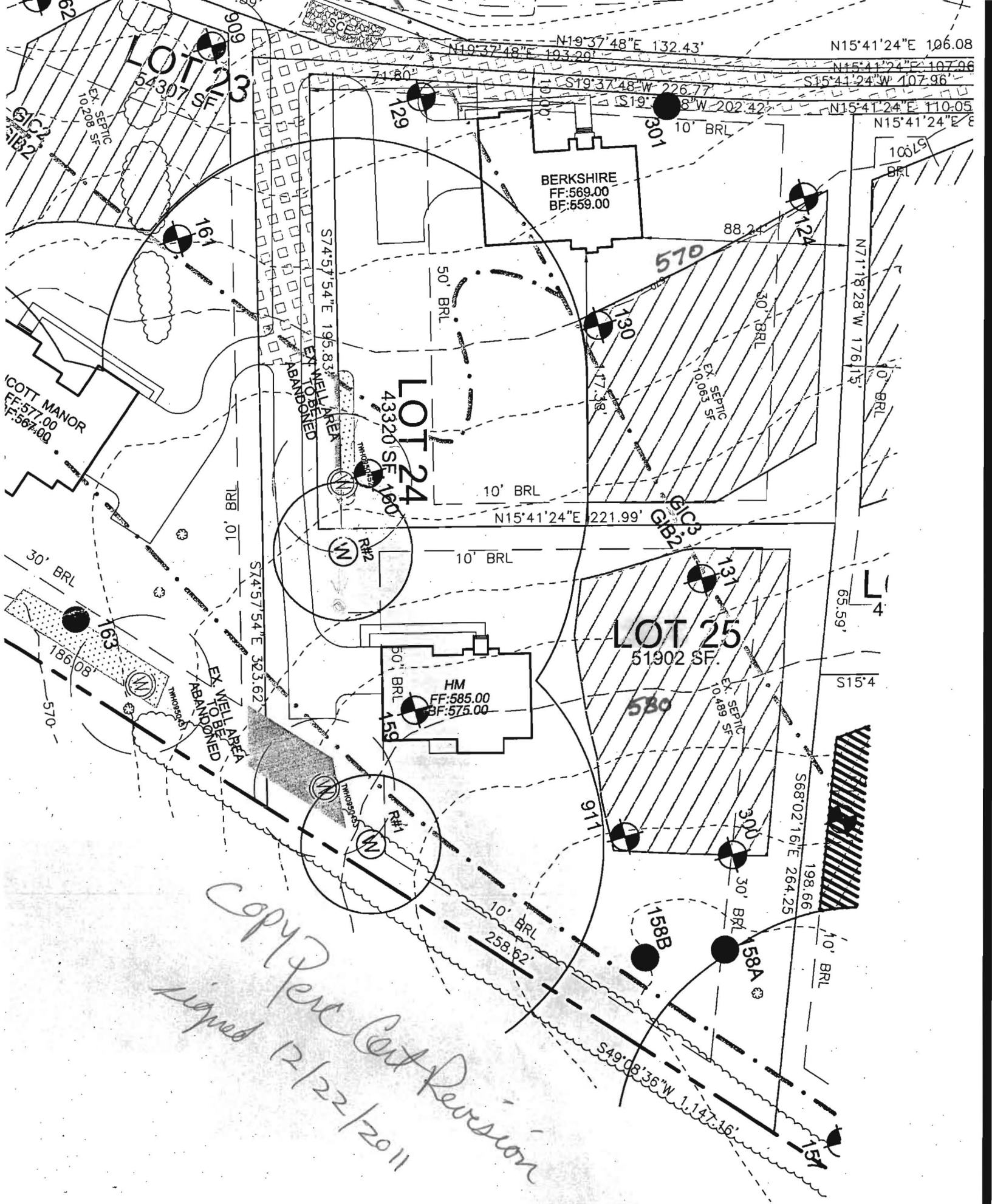
13'

# Signed Perc Cert.



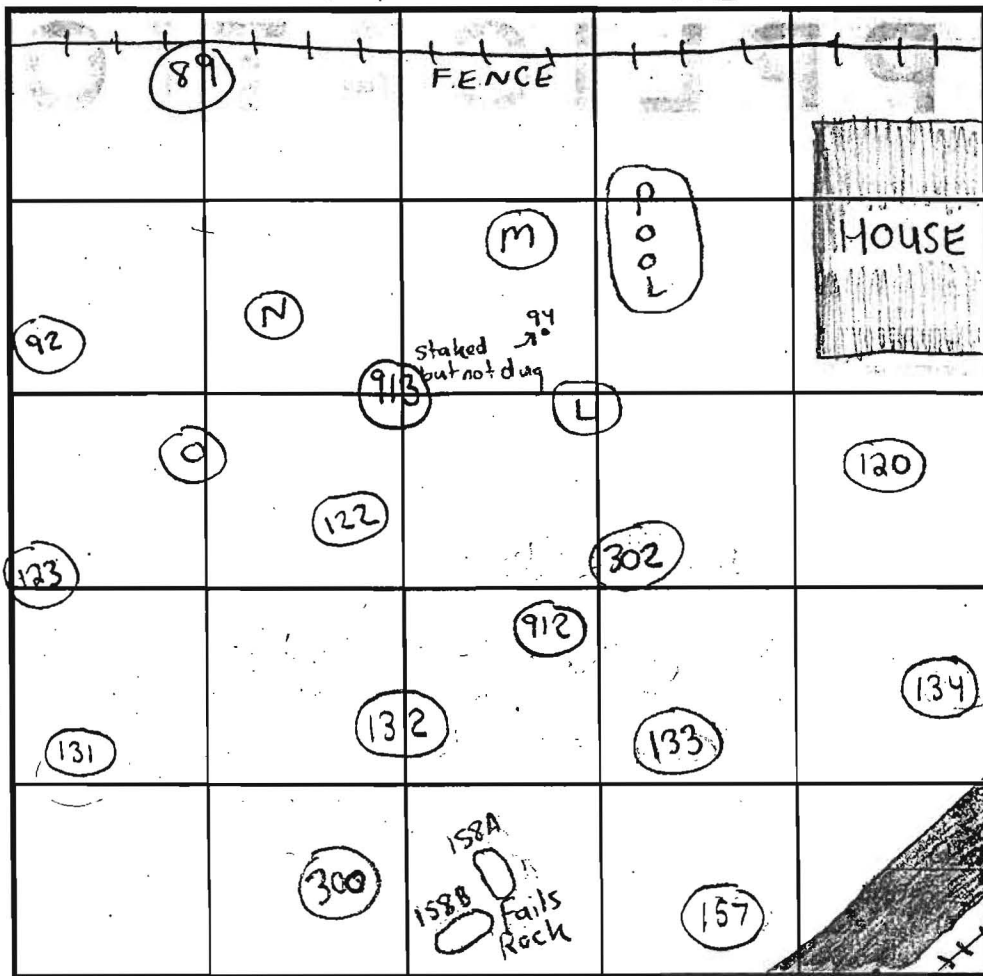
## GENERAL NOTES:

1. THE CONTOURS AND ELEVATIONS SHOWN HEREON ARE BASED ON AERIAL PHOTOGRAPHY AND HOWARD COUNTY P
2. THE BOUNDARY LINES SHOWN HEREON ARE BASED ON A DEED PLOTTING.
3. EXISTING SEPTIC LOCATIONS SHOWN ARE BASED ON RECORD PL
4. ALL EXISTING WELLS AND SEPTIC AREAS WITHIN 100' OF THE S HAVE BEEN SHOWN TO THE BEST OF OUR KNOWLEDGE.
5. ALL WELLS TO BE DRILLED PRIOR TO SUBMITTAL OF FINAL PL
6. APPLICATION NO. A514220. PERC LOCATIONS ARE BASED ON P: OCTOBER 23, 24, 25, 30, 31, NOVEMBER 1, 20, 21, 22, 2000 JUNE 15, 2001, APRIL 10, 2002, AUGUST 7, 2002 AND ARE F
7. A GROUND WATER APPROPRIATION RESULT MUST BE ISSUED BY



Copy Per Cont Revision  
 signed 12/22/2011

NOT TO SCALE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

GRAVEL DRIVE

COUNTY #  
SOIL PROFILE  
0' Topsoil  
4" orange-brown clay  
4' orange-brown clay loam  
5' orange-brown loam  
0-5% SAPROLITE  
13'1"

SOIL PROFILE  
0' 120  
4" Topsoil  
4'6" orange-brown clay  
5'6" orange-brown clay loam  
tan loam  
5% Saprolite  
12'9"

158A  
4" Topsoil  
orange-brown clay  
2' orange-brown clay loam  
3'9" Rock Fragments  
Begin  
35-45% tan loam  
6'3" HARD BOTTOM

158B  
4" Topsoil  
tan loam  
45-50% rock boulders  
HARD BOTTOM  
5'6"

913  
DEBRIS TOP SOIL  
BROWN SILT LOAM  
LT BROWN MICACEOUS SANDY LOAM  
0-5% SCHIST

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/21/00	L	<del>4'0"</del> 13'1"	10:29am	10:31am	10:31am	10:33am	2min	OK
	158	5-6'	(HARD BOTTOM)		→ FAILS			Fail
	A&B							
	120	<del>3'2"</del> 12'9"	11:22am	11:33am	peg pulled			
	Red. Silt Residue	<del>4'5"</del> 13'	11:36am	11:37am	11:37am	11:39am	2min	OK
	M	<del>4'</del> 13'	11:54am	11:55am	11:55am	11:57am	2min	OK
	SEE	SOIL PROFILE FOR 120						
4/10/02	913	<del>3'1"</del> 15'	11:33	11:37pm	11:37pm	11:48pm	11min	OK

REMARKS: Holes shown are not to scale and location's on drawing are not to scale (Drawn after testing in office) - Glenely

TESTED BY: SRK Chops Atkins & Johnson - Parkville  
 Ronnie Heaps - Backhoe  
 Robert Fyock on 4/10/02

ALSO PRESENT: Jim Keane  
 Jack Fyock  
 Frank Alfonso on 4/10/02

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

NOT MEANT AS WET SEASON TEST

NOT TO SCALE

COUNTY #

SOIL PROFILE

302

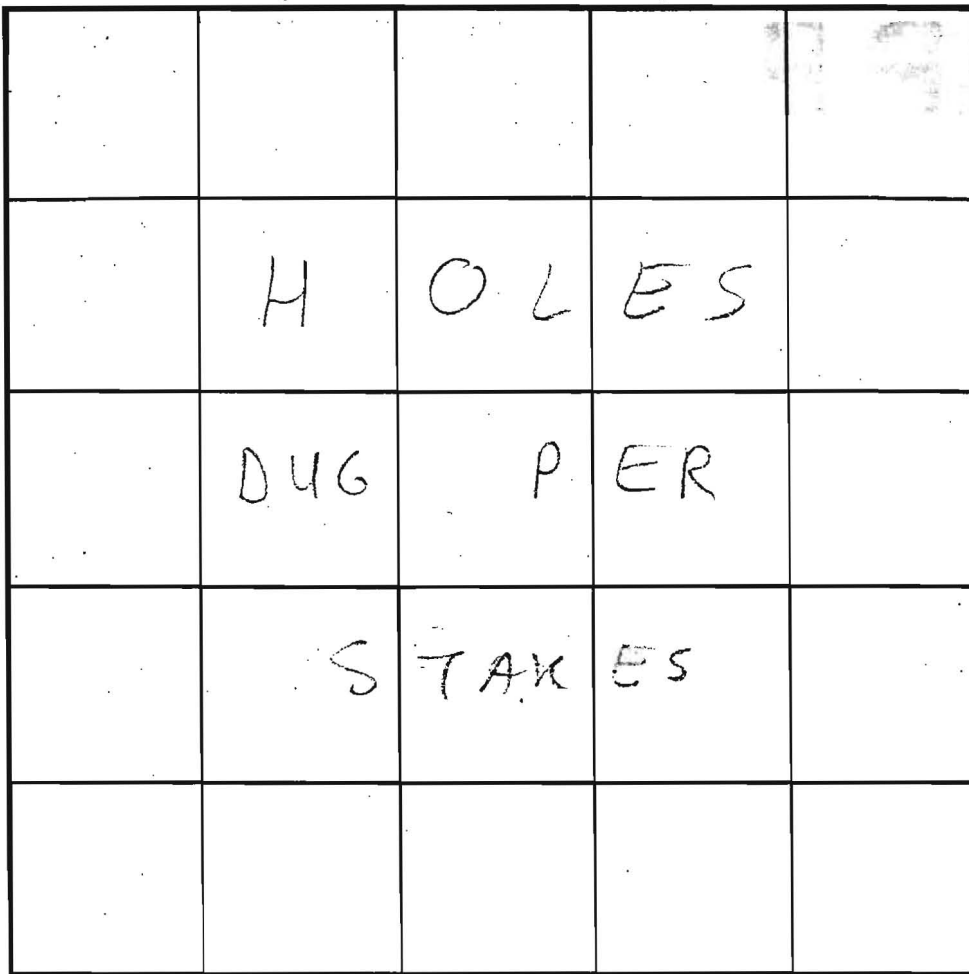
0'  
4" Topsoil  
orange-brown clay loam  
2'  
tan-brown sandy loam  
20% mica frags.  
5'2"

301

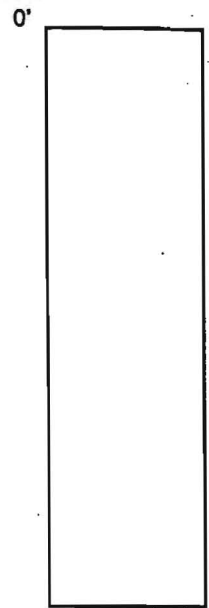
4" Topsoil  
light-brown sandy clay loam  
10'5" orange-brown heavy clay chert mottled with grey spots water seepage  
16'

300

4-6" Topsoil  
orange-brown clay loam  
2' tan-orange sandy loam  
20-40% rock frags.  
16'



SOIL PROFILE



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
5/17/01	302	4'4" T / 15'2" V	11:46am	11:47am	11:47am	11:49am	2min
		DUG	AT	8:30am			
	301	2'0" T / 14'7" V	12:09pm	12:14pm	12:14pm	12:26pm	12min
		DUG	AT	11:30am			
		CLAY LAYER SOLID & HEAVY AND DOESN'T BEGIN					
		LITTLE 10'5" → STRANGE LIMITING LAYER					
	300	3'4" T / 16' V	1:01pm	1:07pm	1:07pm	1:09pm	2min

OK

Fail:

OK

REMARKS Additional 4' wet season buffer added for this perc test in addition to required 4' COMAR buffer (2001 Testing) → Glenelg

TESTED BY SRK Robert Fyock - Bachlor Donald - Posthole ALSO PRESENT Tim Keane

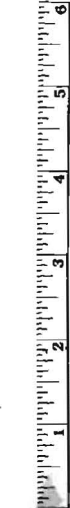
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

CURVE DATA					
CURVE	ARC	RADIUS	TANGENT	DELTA	CHORD
C1	94.65'	50.00'	69.39'	108°27'27"	N37°34'29"E 81.13'
C2	23.21'	24.60'	12.55'	54°03'38"	N09°54'40"E 22.36'
C3	188.44'	180.00'	103.88'	59°58'58"	N66°28'03"E 179.95'

 10' PUBLIC TREE MAINTENANCE EASEMENT

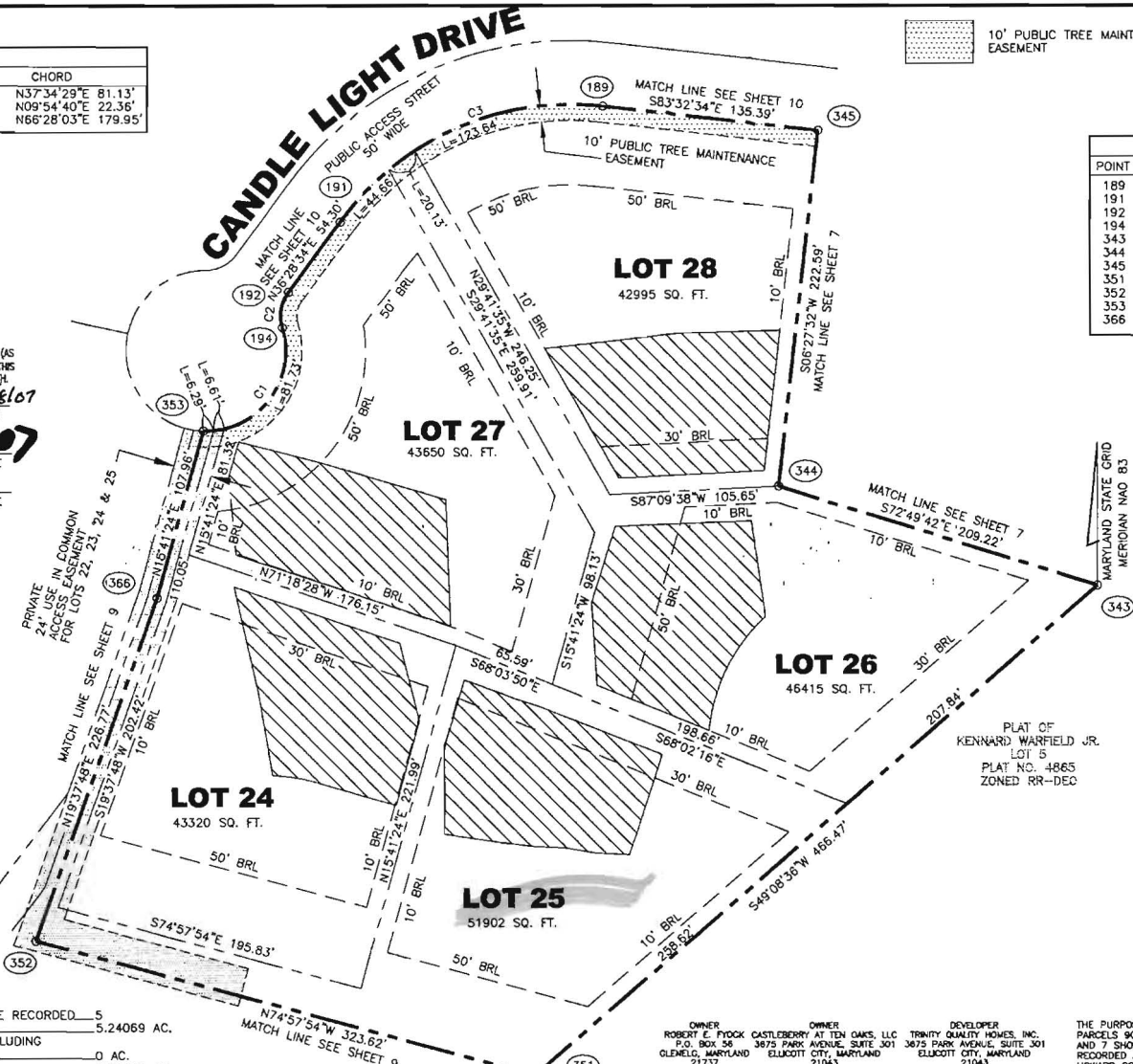
COORDINATE LIST		
POINT	NORTH	EAST
189	578601.90928	1315064.70613
191	578530.05961	1314899.71898
192	578486.39441	1314867.43657
194	578464.36744	1314863.58785
343	578303.73957	1315374.08382
344	578365.50761	1315174.19412
345	578586.68360	1315199.23330
351	577998.59144	1315021.27231
352	578082.54021	1314708.73472
353	578400.06266	1314814.11168
568	578296.13005	1314784.91720



MDR PLAT NO. 19103  
RECEIVED MAY 03 2007  
FOR RECORD

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 PLAN AND THE SETTING OF MARKERS HAVE BEEN COMPLIED WITH.

*Mark C. Martin* 3/6/07 DATE  
PROFESSIONAL LAND SURVEYOR NO. 10884  
*Mark C. Martin* 3-7-07 DATE  
CASTLEBERRY AT TEN OAKS, LLC TRINITY QUALITY HOMES, INC. MEMBER  
MICHAEL PFAU, PRESIDENT.



PLAT FEE-A  
PLAT RECORDING  
TOTAL  
Respt CHRS  
MRK NEN  
Reg 83: 2007

**ROBERT H. VOGEL ENGINEERING, INC.**  
8407 MAIN STREET  
ELLIOTT CITY, MARYLAND 21043  
410-461-7666

**SHEET TABULATION**  
TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED: 5  
TOTAL AREA OF ROADWAYS TO BE RECORDED INCLUDING WIDENING STRIPS: 0 AC.  
TOTAL AREA OF SUBDIVISION TO BE RECORDED: 5.24069 AC.

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

*Robert J. Walker* 4/18/07 DATE  
HOWARD COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 3/22/07 DATE  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

*[Signature]* 4/27/07 DATE  
DIRECTOR

**OWNER'S CERTIFICATE**

WE, ROBERT EUGENE FYOOK, CASTLEBERRY AT TEN OAKS, LLC, BY TRINITY QUALITY HOMES, INC., MEMBER, MICHAEL PFAU, PRESIDENT, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS FINAL PLAN OF SUBDIVISION AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAN BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UPON 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 RIGHTS OF WAY AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS 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 WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE; (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS OF WAYS.

WITNESS OUR HANDS THIS 7<sup>th</sup> DAY OF FEBRUARY 2007.

*[Signature]*  
CASTLEBERRY AT TEN OAKS, LLC  
TRINITY QUALITY HOMES, INC. MEMBER,  
MICHAEL PFAU, PRESIDENT

*[Signature]* WITNESS  
*[Signature]* WITNESS

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF ALL OF THE LANDS CONVEYED BY JACK C. FYOOK, JR., PERSONAL REPRESENTATIVE OF THE ESTATE OF HELEN L. FYOOK TO ROBERT EUGENE FYOOK BY DEED DATED FEBRUARY 22, 2007 RECORDED IN LIBER 10534 FOLIO 336 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND AND ALL OF THE LANDS CONVEYED BY RONDA J. CARPENTER TO CASTLEBERRY AT TEN OAKS, L.L.C. BY DEED DATED JULY 22, 2003 RECORDED IN LIBER 7488 FOLIO 577 AND ALL OF THE LANDS CONVEYED BY DARREN A. LULLY AND TINA M. LULLY TO CASTLEBERRY AT TEN OAKS, L.L.C. BY DEED DATED JULY 23, 2003 RECORDED IN LIBER 7456 FOLIO 487 AND ALL OTHER LANDS CONVEYED BY HERMAN M. BRAUDE TO CASTLEBERRY AT TEN OAKS, L.L.C. BY DEED DATED DECEMBER 12, 2002 RECORDED IN LIBER 6913 FOLIO 221.

I HEREBY CERTIFY THAT ALL MONUMENTS ARE IN PLACE AND CORRECTLY PLACED PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE PLAT OF SUBDIVISION AS SHOWN, IN ACCORDANCE WITH THE BUILDING REGULATIONS OF HOWARD COUNTY AS AMENDED AND THAT THE BOUNDARY IS IN ACCORDANCE WITH THE HOWARD COUNTY SUBDIVISION REGULATIONS.

*[Signature]*  
MARK C. MARTIN  
PROFESSIONAL LAND SURVEYOR NO. 10884

RECORDED AS PLAT NO. \_\_\_\_\_ ON \_\_\_\_\_ AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

**CASTLEBERRY AT TEN OAKS**  
LOTS 1-45 & NON-BUILDABLE PRESERVATION PARCELS A, C, D, E, AND BUILDABLE PRESERVATION PARCEL B  
TAX MAP 22, GRID 19, 20, PARCELS 90 & 60  
AND  
A RESUBDIVISION OF LOTS 6 & 7 OF THE PLAT OF KENNARD WARFIELD, JR. ET AL RECORDED AS PLAT NO. 4865  
TAX MAP 22, GRID 20, PARCEL 551  
RE-05-004, P-05-04, S01-11  
FEBRUARY 23, 2007

SCALE 1" = 50'  
0 50' 100' 150'

SHEET 8 OF 14