

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 CROFFERT, FROCK LILLY AND BRANDE

ADDRESS C/O TRINITY QUALITY HOMES INC
7320 GEORGE DRIVE PHONE (410) 977-3082
Columbia MD 21044

AGENT OR PROSPECTIVE BUYER TRINITY QUALITY HOMES, INC

ADDRESS 7320 GEORGE DRIVE PHONE (410) 977 3082
Columbia MD 21044

PROPERTY LOCATION:

SUBDIVISION CASTLEBERRY AT TEU OAKS LOT NO. 2827

ROAD AND DESCRIPTION TEU 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.

Michelle Pfeiffer (Pua)
(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

COUNTY #

SOIL PROFILE
76

0' Topsoil

4" orange-brown clay

3' tan-brown loam

5% saprolite SCHIST

13'

80

3" Topsoil

orange-brown clay

4 1/2" tan-brown loam

14' 0-5% MICA SCHIST

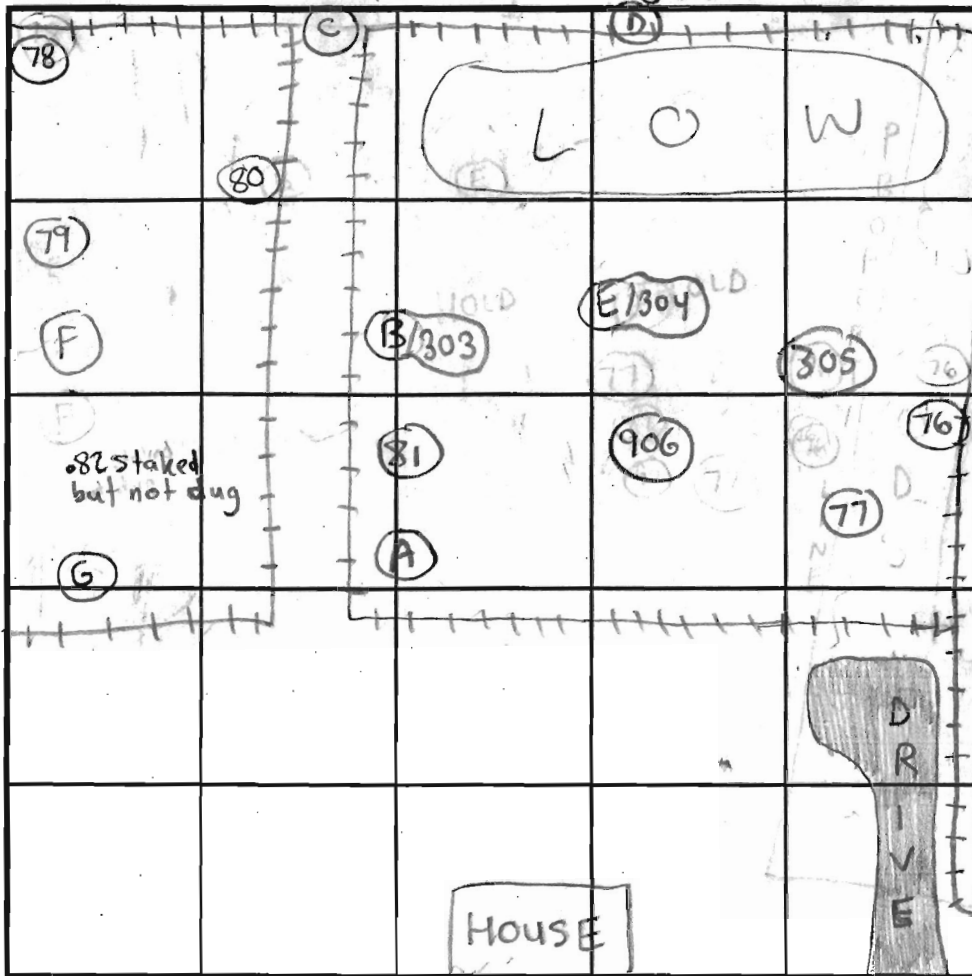
78

6" Topsoil

orange-brown clay

3' tan-biege loam

13' 0-5% MICA SCHIST



SOIL PROFILE
79

0' Topsoil

3" orange-brown clay

3' tan loam

0-5% MICA SCHIST

13'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME		
			START	STOP	START	STOP			
11/20/00	76	4'2" T 13' V	12:01 pm	12:02 pm	12:02 pm	12:04 pm	2 min	OK	
	80	4'4" T 14' V	12:13 pm	12:14 pm	12:14 pm	12:16 pm	2 min	OK	
	78	3' T 13' V	12:21 pm	12:22 pm	12:23 pm	12:25 pm	2 min	OK	
	79	3' T 13' V	12:33 pm	12:34 pm	12:34 pm	12:36 pm	2 min	OK	
	F	13' V	(SEE HOLE 79)					OK	OK

REMARKS: Hole locations shown above are not to scale and were drawn back in office. Type of soil = Glenelg

TESTED BY: SRK (Chops Atkins = Posthole, Ronnie Heaps = Backhoe) ALSO PRESENT: Tim Keane, Jack Fyoch

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

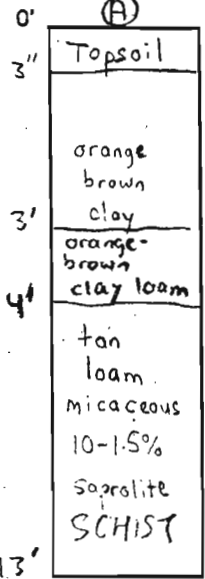
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

13'

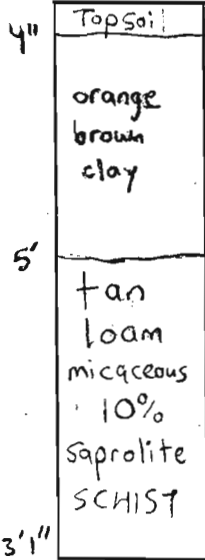
NOT TO SCALE

COUNTY #

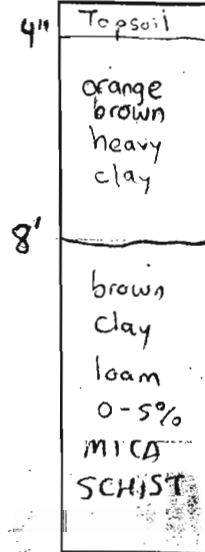
SOIL PROFILE



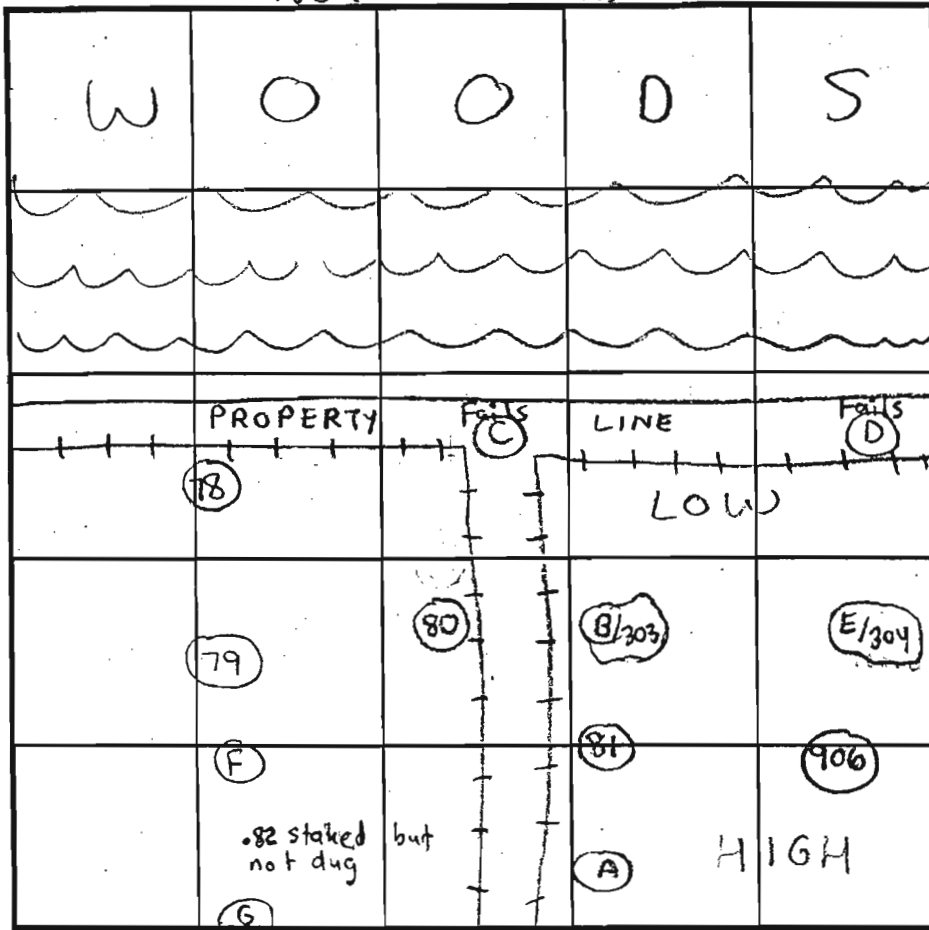
(B)



(C)

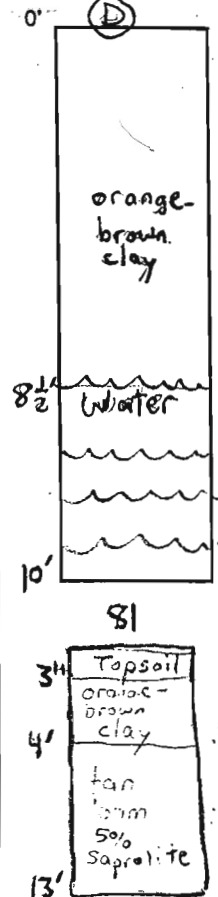


11'6"



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME		
			START	STOP	START	STOP			
11/20/00	A	4' T 13' V	10:46am	10:49am	10:49am	10:51am	2min	OK	
	B/303	4' T 13' V	10:54am	10:56am	10:56am	10:58am	2min	OK	
		(HOLD FOR WET SEASON)							
	E/304	4' T 13' V	11:33am	11:35am	11:35am	11:38am	3min	OK	
		(SEE SOIL PROFILE FOR B - HOLD)							
	81	13' V	(SEE SOIL PROFILE)		(SEE SOIL PROFILE)		3min	OK	
	(C)	11 1/2' V	(FAILS SEE SOIL PROFILE)		(SEE SOIL PROFILE)		2min	Fail	
	77	3' T 13' V	11:52am	11:54am	11:54am	11:56am	2min	} OK	
		13' V	(SEE SOIL PROFILE A)		(SEE SOIL PROFILE A)		2min		

REMARKS: Stakes incorrectly placed, Holes tested regardless, Some Holes

TYPE OF SOIL: Tested were unnecessary, confusion and frustration high!

TESTED BY: SRK Chops Atkins - Post-hole Ronnie Heaps - Backhoe ALSO PRESENT: Mike Pfay, Tim Keane Surveyors (Vogel), Jack Fyoc

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

→ Glenelg

NOT TO SCALE

COUNTY #

SOIL PROFILE 303(B)

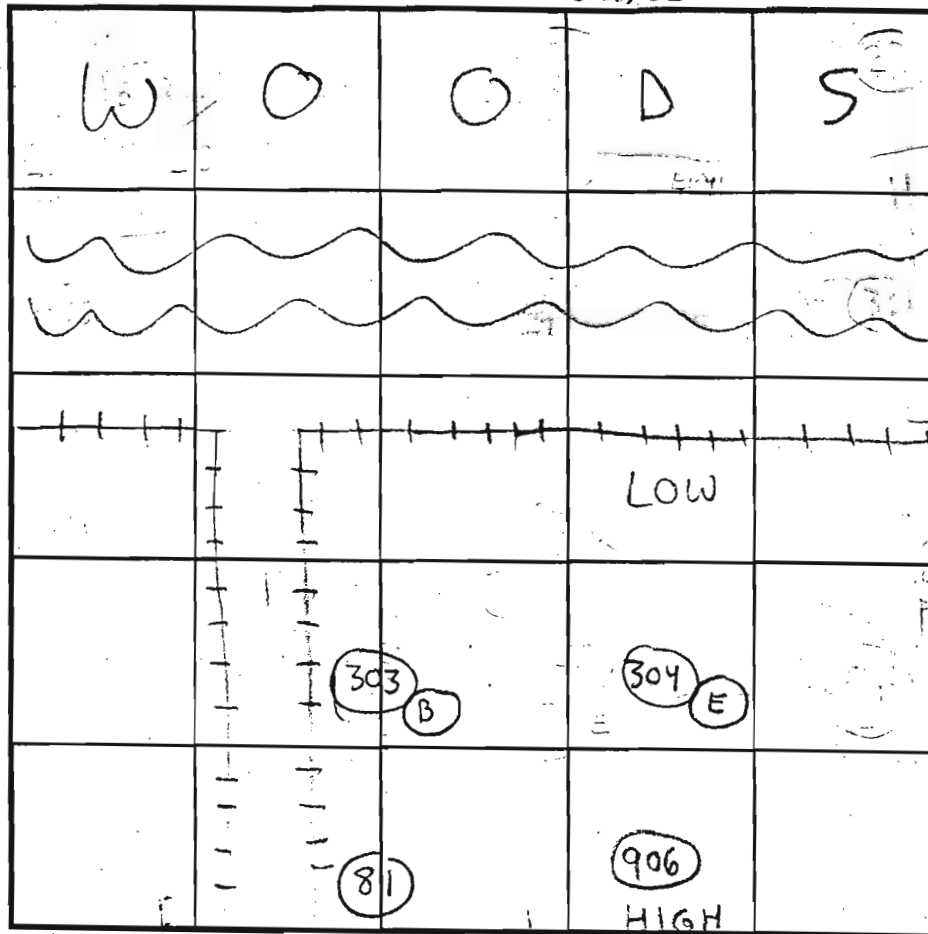
0' Topsoil
3" orange-brown clay loam
3' tan-brown sandy loam
5-10% micaceous saprolite
16'

304(E)

4" Topsoil
2' orange-brown clay loam
tan-brown sandy clay loam
20-30% decayed mica frags dark brown-blk "relic" colors within mica
14'9" WATER
15'3"

305

4" topsoil
orange-brn hard, dry clay loam
15' tan-sandy loam
moist & seepage
12'5" 20-30% decayed mica w/ brn-blk relic colors
15' WATER
16'



SOIL PROFILE 906

0' DK BROWN TOPSOIL
4" BROWN SILTY CLAY LOAM
36" TAN/BROWN MICACEOUS SANDY LOAM 15-20% WEATHERED MICA SCHIST
15'6" 305

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/17/01	303 (OLD B)	16' V	SOILS NO	LOOK EVIDENCE	SAME AS ON 11/20/00	ON 11/20/00	OK
opened at 8:45am evaluation at 10:20am (REOPENING HOLE B FOR RE-EVALUATION)							
IN WET SEASON							
opened at 8:55am evaluation at 10:50am	304 (OLD E)	15'3" V	SOILS BUT	LOOK OK 8'	WATER BUFFER	AT 14'9"	OK
(REOPENING HOLE E FOR RE-EVALUATION)							
IN WET SEASON							
opened at 9am evaluation at 11:10am	305	3' T / 16' V	11:23am	11:25am	11:25am	11:28am	3min OK
Bottom at 4'							
4/10/02	906	36" T / 15'6" V	12:30	12:34	12:34	12:39	5min OK
NOT MEANT AS A WET SEASON TEST							

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

TESTED BY SRK Robert Fyock - Backhoe } 5/17/01
Donald - Postnote }

ALSO PRESENT Tim Keane

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH 6' SQ. FT./BEDROOM _____

NOT TO SCALE

COUNTY #

SOIL PROFILE

203

0' topsoil
 dk red brn sa cl lm
 3' med to pale org brn sa lm w/m mica
 15% sapr sh
 12' Hard

205

0' topsoil
 med org brn sa cl lm
 3' pale org brn sa lm w/m mica
 15% sapr sh
 12'

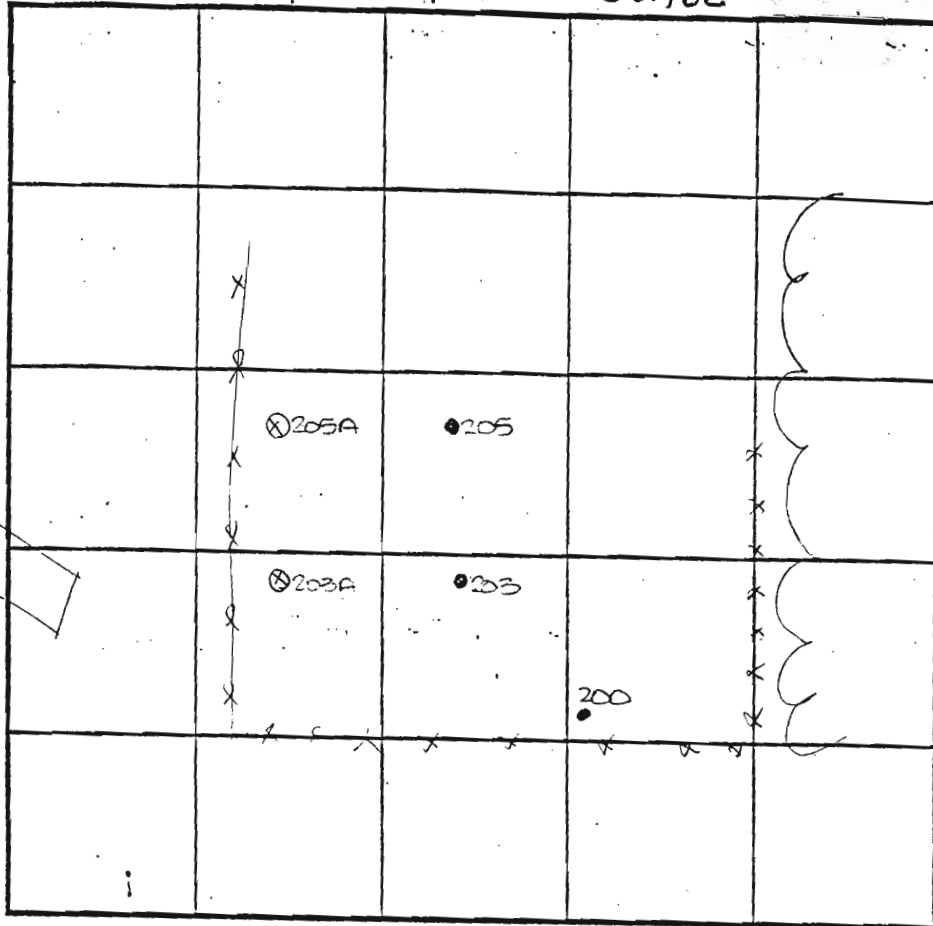
205A

0' topsoil
 med org brn sa cl lm
 3' pale org brn sa lm w/m mica
 20% sapr sh
 13' near hard

SOIL PROFILE

203A

0' topsoil
 med org brn sa cl lm
 3' med to pale org brn sa lm w/m mica
 15% sapr sh
 13.5'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Ten Oaks Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-1-00	203	3'2" S	10:29 ₃	10:31	10:3	10:33 ₂	3
		12.0' D	Hard	See	profile		OK
	205	3.5' S	10:38	10:39 ₂	10:39 ₂	10:41 ₂	2
		13.0' D	visual	- see	profile		OK
	205A	3.5' S	10:49	10:50 ₃	10:50 ₃	10:54	4
		11.3' D	10:55	10:58 ₂	10:58 ₂	11:07	9
		13.0' D	visual	- see	profile		OK
	203A	13.5' D	visual	- see	profile		OK
	200	5'9" D	Water				FAIL

REMARKS 200 203, 205 tested as stated

TYPE OF SOIL Gleneta

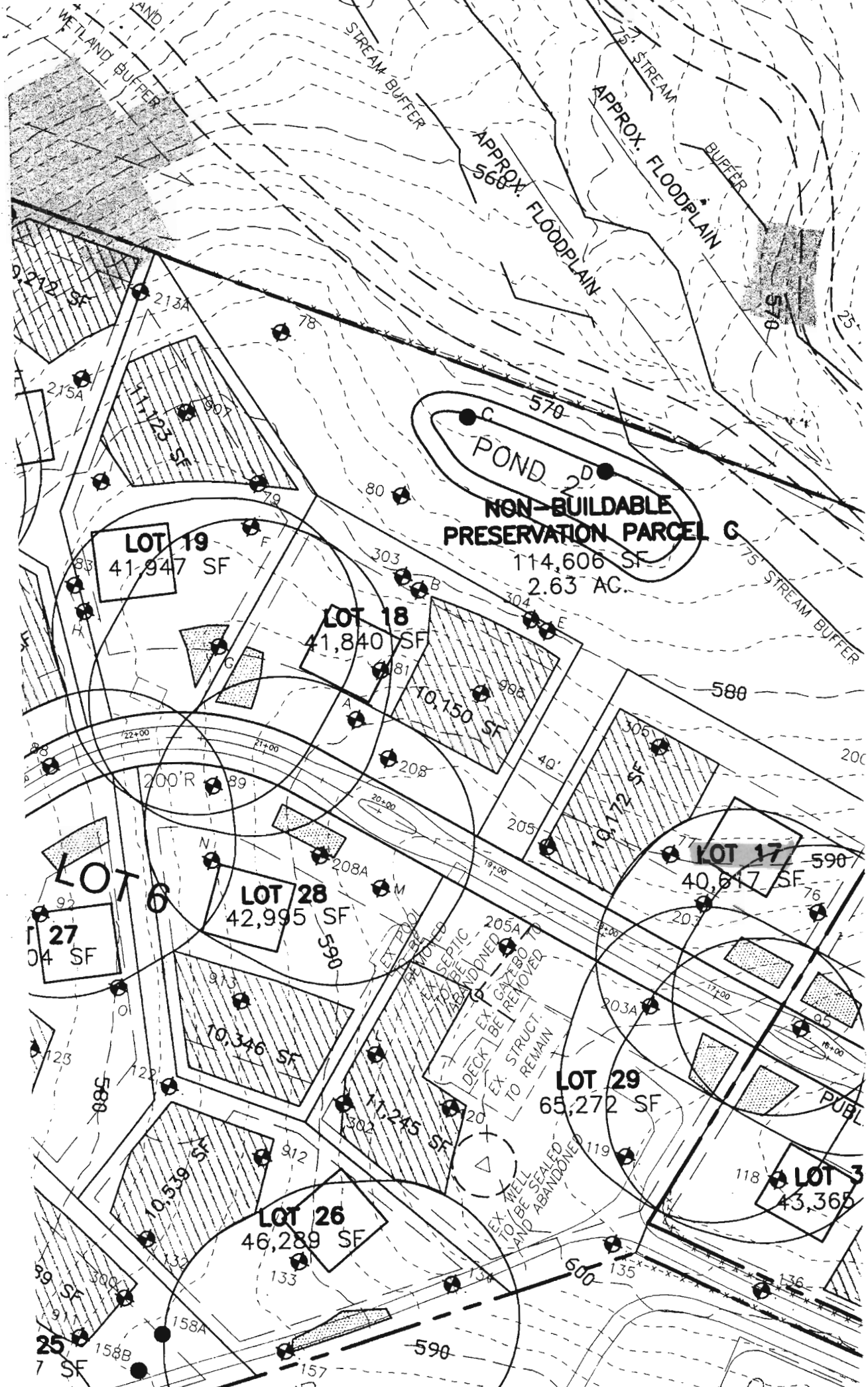
TESTED BY DKS

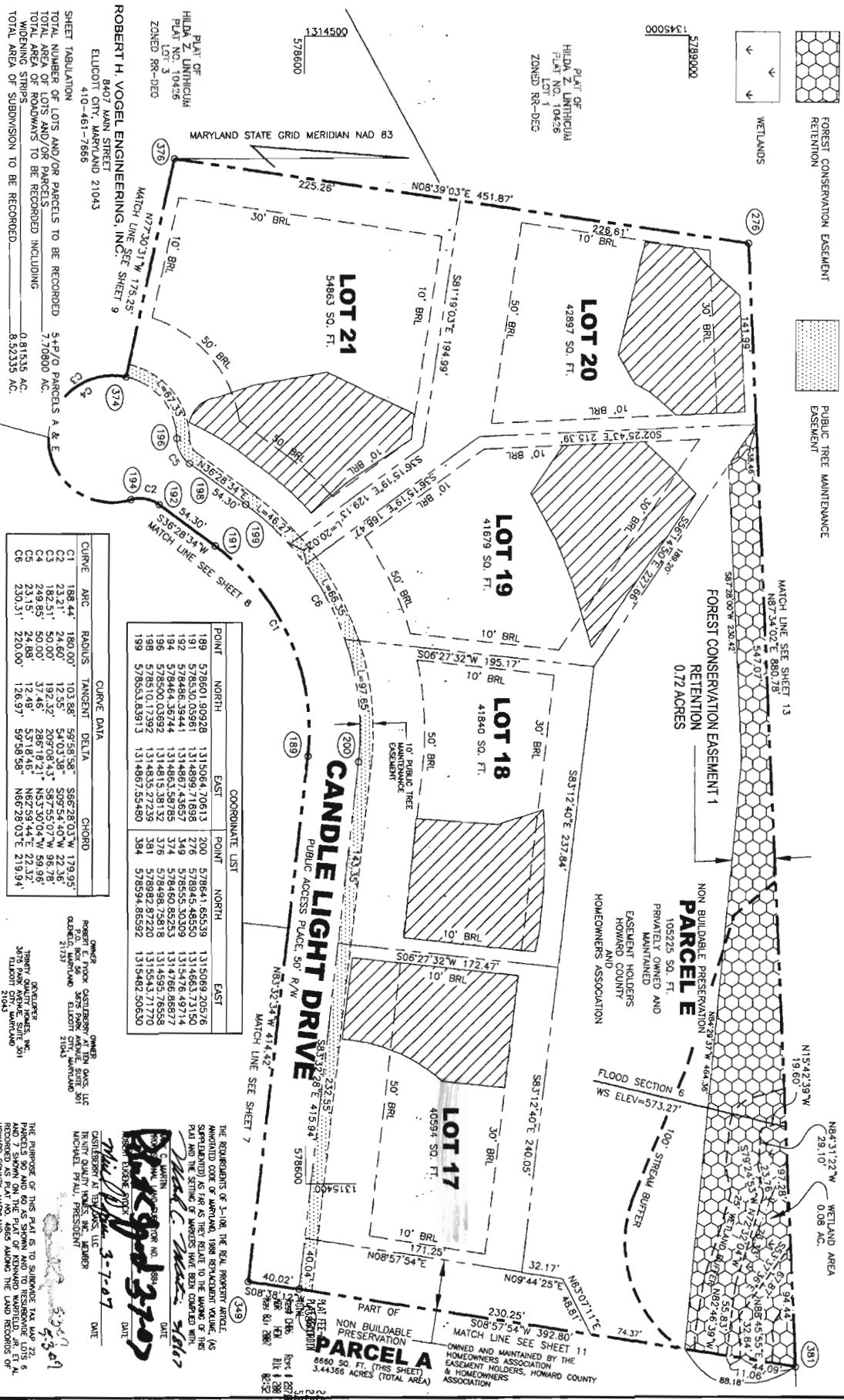
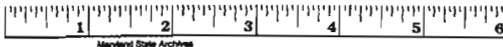
ALSO PRESENT O. Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

Signed
Pere
Cert,





PLAT OF
 HILDA Z. LANTHORN
 FLD. NO. 10428
 ZONED RR-DEC

PLAT OF
 HILDA Z. LANTHORN
 FLD. NO. 10428
 ZONED RR-DEC

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

SHEET TABULATION
 TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED 54 P/O PARCELS A & E
 TOTAL AREA OF LOTS AND/OR PARCELS 7,709.80 AC.
 TOTAL AREA OF ROADWAYS TO BE RECORDED INCLUDING WIDENING STRIPS 0.81535 AC.
 TOTAL AREA OF SUBDIVISION TO BE RECORDED 8,525.335 AC.

CURVE DATA

CURVE	ARC	RADIUS	TANGENT	DELTA	CHORD
C1	188.44'	180.00'	103.88'	59.58.38"	\$86,282.03 W, 179.95'
C2	23.21'	24.60'	54.03.38"	\$95,544.03 W, 22.36'	
C3	28.51'	50.00'	17.92.32"	\$87,550.17 W, 52.86'	
C4	23.75'	24.88'	12.48'	\$57,874.65 W, 22.32'	
C5	23.75'	24.88'	12.48'	\$57,874.65 W, 22.32'	
C6	230.31'	220.00'	126.97'	\$9,598.98 W, 196.28.03 E, 219.94'	

COORDINATE LIST

POINT	NORTH	EAST	POINT	NORTH	EAST
189	578601.09228	1315064.70613	200	578641.65539	1315069.20576
191	578630.05961	1314899.71898	276	578945.48550	1314683.73150
192	578486.39441	1314867.43657	349	578555.30309	1315476.49714
194	578464.35744	1314865.59795	374	578480.55253	1314766.98977
196	578500.03592	1314813.38132	376	578488.25118	1314593.78558
198	578500.03592	1314813.38132	384	578594.65592	1315482.50530
199	578533.83913	1314897.55459			

OWNER: ROBERT H. VOGEL ENGINEERING, INC.
 8407 MAIN STREET
 ELICOTT CITY, MARYLAND 21043
 410-461-7666

OWNER: CASTLEBERRY AT TEN OAKS, LLC
 TRINITY QUALITY HOMES, INC. MEMBER
 11000 WOODBURN DRIVE
 ELICOTT CITY, MARYLAND 21043

DATE: 3-7-07

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

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

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

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

OWNER'S CERTIFICATE

WE, ROBERT H. VOGEL ENGINEERING, INC., MEMBERS OF THE PROFESSIONAL ENGINEERS AND SURVEYORS OF THE STATE OF MARYLAND, HEREBY ADVISE THAT THIS PLAT OF THE SUBDIVISION OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADVERTISED, IS THE FINAL PLAT OF THE SUBDIVISION OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADVERTISED, AND THAT THE SAME IS THE FINAL PLAT OF THE SUBDIVISION OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADVERTISED, AND THAT THE SAME IS THE FINAL PLAT OF THE SUBDIVISION OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADVERTISED.

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF ALL OF THE LANDS CONNECTED BY JACK C. FROCK, JR., PERSONAL REPRESENTATIVE OF THE ESTATE OF HILDA Z. LANTHORN, TO ROBERT H. VOGEL ENGINEERING, INC., AND THAT THE SAME IS THE FINAL PLAT OF THE SUBDIVISION OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADVERTISED, AND THAT THE SAME IS THE FINAL PLAT OF THE SUBDIVISION OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADVERTISED.

CASTLEBERRY AT TEN OAKS
 PARCELS A, C, D, E, AND BUILDABLE PRESERVATION PARCEL B

SCALE 1" = 50'

FEBRUARY 23, 2007