

REF 7/2/19

Search Result for HOWARD COUNTY

View Map		View GroundRent Redemption			View GroundRent Registration					
Tax Exempt:		Special Tax Recapture:								
Exempt Class:		AGRICULTURAL TRANSFER TAX								
Account Identifier:		District - 05 Account Number - 437105								
Owner Information										
Owner Name:		MCDANIEL JOHN P MCDANIEL ELLEN G T/E		Use:		AGRICULTURAL				
Mailing Address:		13032 HIGHLAND RD HIGHLAND MD 20777		Principal Residence:		NO				
				Deed Reference:		/06780/ 00061				
Location & Structure Information										
Premises Address:		13122 ISLE OF MANN WAY HIGHLAND 20777-0000		Legal Description:		LOT 28 3.0000 A 13122 ISLE OF MANN WAY KOANDAH GARDENS ESTATES				
Map:	Grid:	Parcel:	Sub District:	Subdivision:	Section:	Block:	Lot:	Assessment Year:	Plat No:	15632
0034	0022	0078		0000			28	2017	Plat Ref:	
Special Tax Areas:				Town:		NONE				
				Ad Valorem:		100				
				Tax Class:						
Primary Structure Built		Above Grade Living Area		Finished Basement Area		Property Land Area		County Use		
						3.0000 AC		000000		
Stories	Basement	Type	Exterior	Full/Half Bath	Garage	Last Major Renovation				
Value Information										
		Base Value		Value		Phase-in Assessments				
				As of		As of		As of		
				01/01/2017		07/01/2018		07/01/2019		
Land:		1,500		1,500						
Improvements		0		0						
Total:		1,500		1,500		1,500		1,500		
Preferential Land:		1,500						1,500		
Transfer Information										
Seller: SANBORN JAMES M				Date: 01/13/2003				Price: \$600,000		
Type: ARMS LENGTH MULTIPLE				Deed1: /06780/ 00061				Deed2:		
Seller:				Date:				Price:		
Type:				Deed1:				Deed2:		
Seller:				Date:				Price:		
Type:				Deed1:				Deed2:		
Exemption Information										
Partial Exempt Assessments:		Class		07/01/2018		07/01/2019				
County:		000		0.00						
State:		000		0.00						
Municipal:		000		0.00 0.00		0.00 0.00				
Tax Exempt:		Special Tax Recapture:								
Exempt Class:		AGRICULTURAL TRANSFER TAX								
Homestead Application Information										
Homestead Application Status: No Application										
Homeowners' Tax Credit Application Information										
Homeowners' Tax Credit Application Status: No Application					Date:					

-
1. This screen allows you to search the Real Property database and display property records.
 2. Click **here** for a glossary of terms.
 3. Deleted accounts can only be selected by Property Account Identifier.
 4. The following pages are for information purpose only. The data is not to be used for legal reports or documents. While we have confidence in the accuracy of these records, the Department makes no warranties, expressed or implied, regarding the information.

SEPTIC SPECIFICATIONS WORK-SHEET

SUBDIVISION: Koondah Garden Est A 511371B
STREET NAME: Isle of Man way LOT NUMBER: 28

AVERAGE PERCOLATION RATE: _____ SQUARE FEET PER BEDROOM: _____

NUMBER OF BEDROOMS: _____ LINEAR FEET OF TRENCH PER BEDROOM: _____

TOTAL LINEAR FEET OF TRENCH: _____ SEPTIC TANK CAPACITY: _____

TOP SEAMED TANK REQUIRED? YES NO

COMPARTMENTED TANK REQUIRED? YES NO

TRENCH DIMENSIONS: Trench to be _____ feet wide. Inlet _____ feet below original grade. Bottom maximum depth _____ feet below original grade. Effective area begins at _____ feet below original grade. _____ feet of stone below distribution pipe.

=====

PUMPED SYSTEM PROPOSED: YES NO

PUMPED SEPTIC SYSTEM DETAIL: _____ gallon pump chamber.
YES NO Top seamed pump chamber required?

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test is necessary prior to Health Department approval of pumped septic system.

=====

LOCATION: _____

ADDITIONAL NOTES: _____

Reviewer: _____ Date: _____

Areas 12, 13, 14
Not acceptable as Shown
Sand Mound beds

Need to show 3 S.M. Footprints in SDA's to prove sufficiency
Needs True wet Season eval of water table if not to use design less than
24" of Sand Fill in S.M.

KOANDAH GARDENS

Phase 2

**Septic Disposal Areas (SDA)
(Infiltrometer Testing)**

- S.M. Footprints must be \perp to slope on site.
- S.M.'s Needs adequate access way for Materials
+ equipment during S.M. Construction
(Support 25' rather than
- (see lots 13 + 14) - property lines should be
at least 30ft from down slope side of sand mound
SDA's (20' down slope + 10' SDA setback) - Person see lot
- where less than 2ft Sand Fill for conventional
S.M.'s are proposed; the limiting factor will be
LLD's and Effective Basal area (@ 0.5 gpd/ft²)
for perc's to 30 mpi 18 gpd/ft LLD is OK
30-60 12ft LLD
where plots, Puzos soils or clay layers @ 2-4' use 8 gpd LLD

13 on plan

SDA 12 (11,040 sf)

Test	Yr.	Depth	Minutes
26A	2/99	18"	30
26B	2/99	18"	48
27B	2/99	18"	53

① Failed Test & Not Shown is beside #13 in SDA
② upper + lower Triangle pattern
③ all comments in (A) apply especially inferred access driveway for parcel 29 - these are primary reasons for S.M. bleeding in Tappan's observations.

14 on plan

SDA 13 (10,670sf)

Test	Yr.	Depth	Minutes
29A	2/99	14" (17-21")	17
Failed 29B	2/99	14" - 18"	53
29C	2/99	14" (20-24")	23
29D	2/99	14" (20-24")	33

① SDA Needs More Testing; ② Lower left part of SDA protrudes into Swale, (SDA Shown + Test Hole location do not fit as they did in earlier Submittal) ③ Test Hole 29B Fails ④ SDA only 5' to side property line.

23 mpi OK
53 slowed to 1/16" in 17 min; 22 1/32 / 14 min \approx (22.4 mpi) (fail)
23 \approx 19 mpi OK
33 15/32 in 14 min \approx (53 min) OK

12 on plan

SDA 14 (10,200 sf)

Test	Yr.	Depth	Minutes
25A	2/99	14"	42
25B	2/99	14"	17
25C	2/99	14"	5
25E	7/99	30"	57
25D			

① Lower left corner in Swale ② Failed perc hole 25D has No good Test Hole Nearby. ③ all comments of (A) above apply ④ Needs confirming + aft. Testing in Heart of S.M. area only has one or 2 feet down slope of SDA and 2 in upmost part that may not actually be in basal area.

Failed NM - shallow Fracture Suspected

- all 3 S.M. - SDA's do not conform to "as discussed + stated" areas in field during last round of testing
- well also for lots 28, 29, 30 are all down slope of SDA's; Drainage ways.
- Similar well site concerns for lots 16, 17, 21, pre-Parcel (SDA 5)
- lot 30 - wetland Needs a 75' buffer from wetland area on all sides
- \therefore some of 75' wetland buffer will be in lot 30 Area - Not allowable.

8/24/99
Meeting c. Dave, DK, JCM, RPP,
and Engineer
@

MARYLAND DEPT. OF THE ENVIRONMENT
 ONSITE SEWAGE DISPOSAL SYSTEM
 SITE EVALUATION REPORT

FILE NO.
 MD. GRID:
 TAX MAP/B/P:
 SUBDIVISION:
 DATE: 2/23/99
 BY: R.J. Pinkley

SOIL PROFILE DESCRIPTION
 (A) Midpoint
 LOT 28/29 SECTION

DEPTH	TEXTURE	MATRIX COLOR	MOTTLES DESCRIPTION	STRUCTURE	CONSISTENCE	%ROCK BY VOL.	REMARKS (Caving, moisture, etc.)	
HOLE								
A 0-13"	L	10YR 4/2	Dark Gray Brn	2f sbk	mfi		Moist A heavy	
18"	CL-L	Mid gray 10YR 5/4	5F 10YR 5/8 Cl-70YR 5/3	1-2m sbk	mfr		sl moist-driest B+	
27"	CL-SL	10YR 6.5/2	cl-2d red brn m-cl 10YR 5/3	2f-m sbk	mfi-mfr		sl moist	
48-60"	CL-SL	5YR 5/6 2.5YR 8/0		2c prismatic	mfr		dense sl. moist	
NE 60"	SL-L	Mix dark gray pmp. brown & tan unmoist		Saprolite	mfr	Saprolite chunks	color of parent material wet	
			Water seepage to 56" below ground by end of day					
Slope% - EL.(ft) - Chroma 2- Least Permeable Layers- 27" 60"								
Landscape Position- Water BLS- Limiting Zones- progressively slower & deeper								
Additional Remarks- in SL of out Fall of 11m into S. side.								

D-3

(Hole 26B some red Pt + separate colors until hit 66" below grade then grey from
 Banded Red (in GICL to) barbers + in white to (in micaceous micaceous saturated) water level 74" (to 66")

MARYLAND DEPT. OF THE ENVIRONMENT ON-SITE SEWAGE DISPOSAL SYSTEM SITE EVALUATION REPORT SOIL PROFILE DESCRIPTION					FILE NO. MD. GRID: TAX MAP/B/P: SUBDIVISION: <i>Kearns Gardens</i> DATE: <i>2/25/99</i> BY: <i>RJP on file</i>				
LOT 27/26A SECTION		DEPTH	TEXTURE	MATRIX COLOR	MOTTLES DESCRIPTION	STRUCTURE	CONSISTENCE	% ROCK BY VOL.	REMARKS (Caving, moisture, etc.)
HOLE									
	0-9	L	7.5/13/4/3	dark Brn		Aggr - v f s k	mvfr	—	m f roots Moist
	16-17"	CL-hL	5YR 4/6	dark Brn		3 F m s b k	red sticky mfr-mf	cf roots	3 m clay skins cf roots Moist
	36"	CL-hL	2.5YR 4/8	red		3 m - f s b k	red sticky mfi	cf roots	denser, 3 m clay skins Moist 1 m clay skins cf roots
	42"	CL	2.5YR 4/8	5YR 4/6 p f r o s mix of blue separate		1-2 m - c s b k - massive	mfi	—	3-2 clay skins sl moist
	50"	HL	Mix color	Red + Mid Brn		massive	m Pr	—	Moist
	54"	mic L	Mix of red color	Shrunken f r o s		massive	mvfr	—	Very micaceous Moist
<i>Separate</i>	66"	F'SL'	yellow	light Brn		massive	mvfr - ls	—	v moist
	78"	Fricolon	Neutral	Brn F color		massive	—	—	wet-saturated
									stead water level @ 74" = 6'2" below grade (hole open all hole)
Slope% - <i>4.6%</i> EL. (ft) - Landscape Position - <i>Toe slope</i> Chroma 2 - Additional Remarks - Least Permeable Layers - <i>Bt₂ under good structure helps.</i> Water BLS - <i>66-74"</i> Limiting Zones - <i>water table @ 5 1/2 ft est.</i>									

A
Bt₁
Bt₂
BC
C
D3

OR TO RESIDENTIAL OCCUPANCY TO INSURE
VEHICLES PER THE FOLLOWING MINIMUM

(SERVING MORE THAN 1 RESIDENCE)
OF COMPACTED "CRUSHER RUN" BASE WITH
(1/2" MIN.)
DE, MAX. 10% GRADE CHANGE AND MIN. 45'

(ES)--CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING)
ABLE OF SAFELY PASSING 100-YEAR FLOOD WITH
TH OVER DRIVEWAY SURFACE;
IT TO ENSURE ALL WEATHER USE.

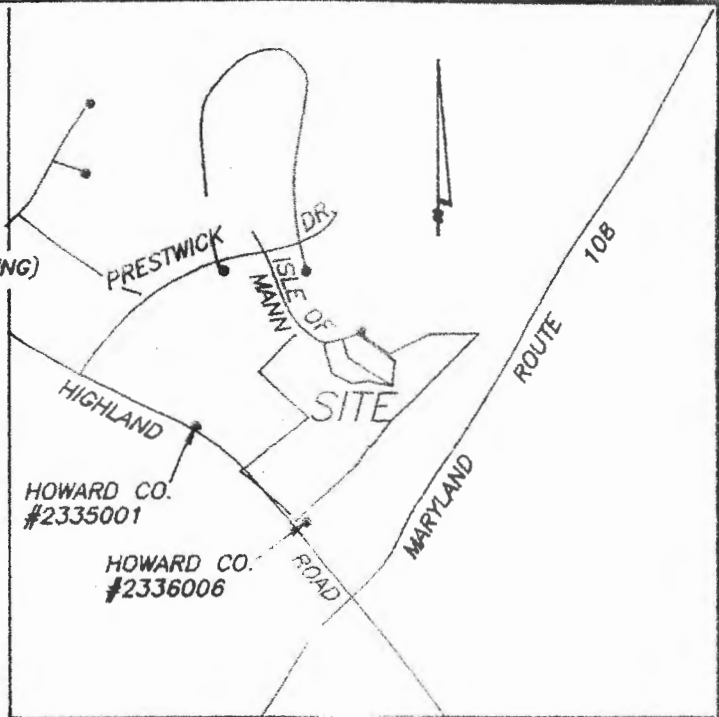
N IS HEREBY DEDICATED TO THE HOMEOWNERS
F THIS SUBDIVISION, AND RECORDING REFERENCES
N AND RESTRICTIONS ARE SHOWN HEREON.

IED FOR KOANDAH COURT BY MEANS OF A PRIVATE
E LOT 22.

FOR THIS PROJECT WAS PREPARED BY
SEPTEMBER 17, 1997 AND WAS SUBMITTED IN

PROJECT WAS PREPARED BY SHANABERGER AND LANE
H F-90-76.

IT HAS BEEN ESTABLISHED TO FULFILL THE
OF THE HOWARD COUNTY CODE AND FOREST
GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE
HOWEVER, FOREST MANAGEMENT PRACTICES AS
CONSERVATION EASEMENT ARE ALLOWED.
1) FOREST CONSERVATION EASEMENTS
ITS SUCCESSORS AND ASSIGNS, ALL EASEMENTS
SEWER, STORM DRAINAGE, OTHER PUBLIC UTILITIES
ED AS "FOREST CONSERVATION AREA", LOCATED IN
ELS, ANY CONVEYANCES OF THE AFORESAID LOTS/PARCELS
ITS HEREIN RESERVED, WHETHER OR NOT EXPRESSLY
SAID LOT(S)/PARCELS. DEVELOPER SHALL EXECUTE AND
HEREIN RESERVED UNTO HOWARD COUNTY WITH A
THE FOREST CONSERVATION AREA. UPON COMPLETION
ACCEPTANCE BY HOWARD COUNTY, AND IN THE CASE OF
T(S), UPON COMPLETION OF THE DEVELOPERS
CONSERVATION INSTALLATION AND MAINTENANCE AGREEMENT
THE COUNTY, AND THE RELEASE OF DEVELOPERS
IT. THE COUNTY SHALL ACCEPT THE EASEMENTS
MENT IN THE LAND RECORDS OF HOWARD COUNTY.



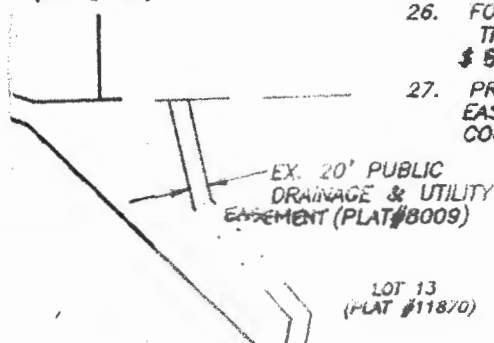
VICINITY MAP

SCALE: 1"=2000'

22. LANDSCAPING FOR LOTS 16-28 IS PROVIDED IN ACCORDANCE WITH A CERTIFIED LANDSCAPE PLAN ON FILE WITH THE APPROVED ROAD CONSTRUCTION PLANS IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
23. THIS PLAT COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BY ON-SITE RETENTION (2.05 ACRES RETENTION) & OFFSITE RETENTION (4.10 AC.).
24. THIS SUBDIVISION IS RECEIVING 3 DEO UNITS FROM THE HOLTZINGER PROPERTY (PLAT #8009), TAX MAP 1 & 6, PARCEL 7)
25. LANDSCAPING SURETY HAS BEEN PROVIDED IN THE AMOUNT OF \$ 17,250.00 FOR PERIMETER LANDSCAPING AND \$ 4800.00 FOR STREET TREES.
26. FOREST CONSERVATION OBLIGATIONS ARE MET THROUGH RETENTION. SURETY HAS BEEN PROVIDED IN THE AMOUNT OF \$ 54,275.76
27. PRESERVATION PARCEL 'A' IS OWNED BY JAMES M. & EMILIE S. SANBORN WITH EASEMENT RIGHTS GRANTED TO THE HOMEOWNERS ASSOCIATION AND HOWARD COUNTY, MD.

KOANDAH GARDENS
ESTATES
(PLAT #8009)

LOT 7



LOT 13
(PLAT #11870)

28. THE HOA ARTICLES OF INCORPORATION WERE ACCEPTED BY THE STATE ON 8/27/2002 *ifiling#1800361987422668*
29. THIS PLAN IS SUBJECT TO COMPLIANCE WITH THE FOURTH EDITION OF THE SUBDIVISION REGULATIONS. IN ADDITION, BECAUSE IT HAD PRELIMINARY PLAN APPROVAL PRIOR TO NOVEMBER 1, 2001, IT IS SUBJECT TO THE OCTOBER 18, 1993 ZONING REGULATIONS

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 _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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 _____

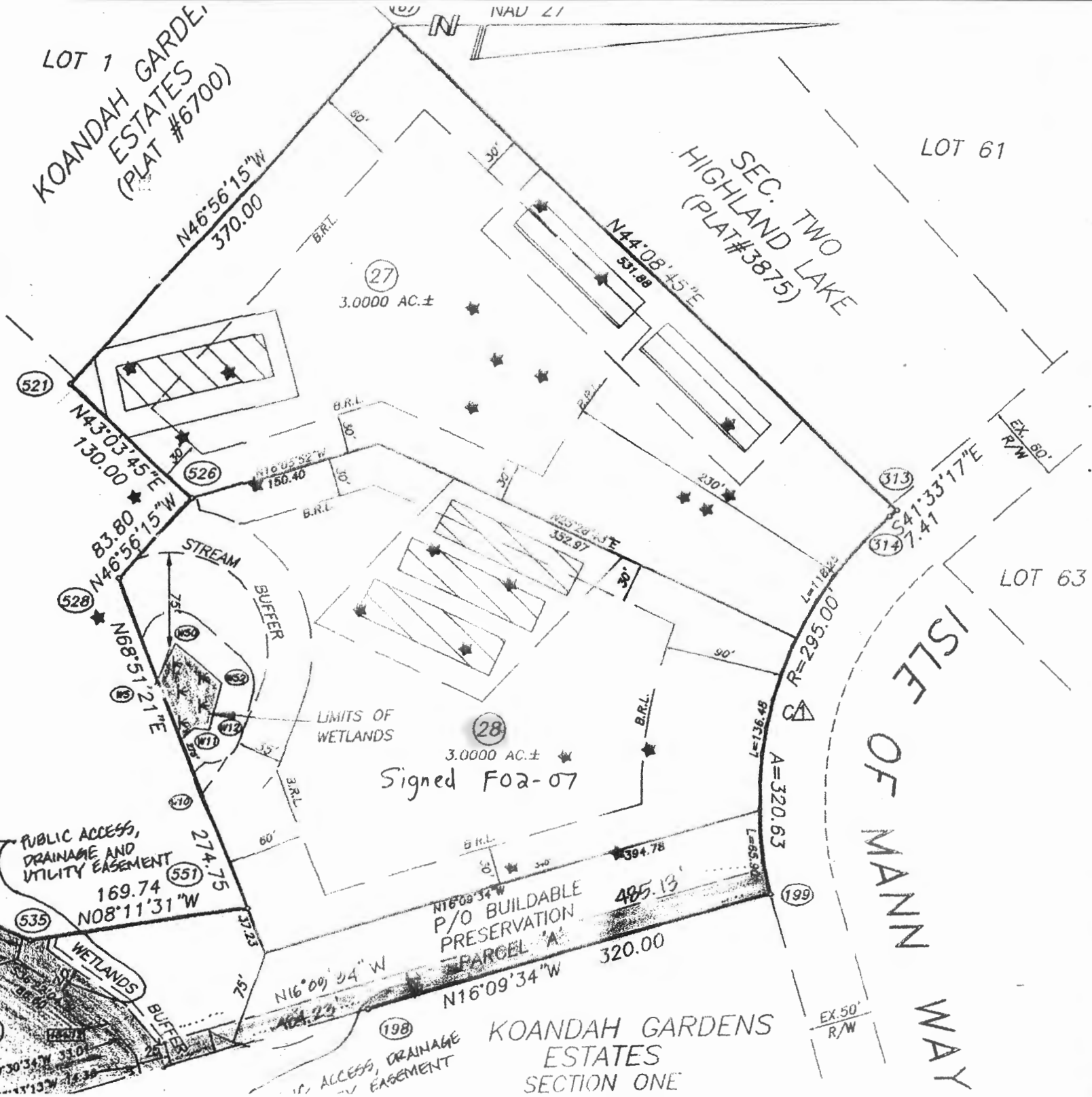
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

THIS IS NOT A PERMIT

725.9513	247206.6946
712.7347	247218.3348
750.2173	247239.0661
733.0363	247248.1068
744.2947	247235.4530
732.8917	247240.2052
729.3634	247211.1206
727.8838	247234.1610
716.6188	247197.6897
704.4587	247211.3494
822.9584	247472.2008
832.1212	247458.5533
867.2476	247190.1573
032.1484	247234.8324
061.0981	247261.8878
043.6570	247280.5499
867.8030	247243.6826
1946.2480	247331.5558
2022.6574	247368.0280
2073.8651	247358.6572
9713.6022	247220.2087

LOT 29
 OAH GARDENS
 ESTATES
 SUBDIVISION OF
 & PARCEL A-1
 -02-57)



ING POND
 FAR FLOOD-PLAN
 EASEMENT & UTILITY
 (PLAT #11868-11871)

All perc test holes excavated not shown

TEST DATA

NAME _____	FILE NO _____
LOCATION <u>Koondah Gardens</u>	COUNTY <u>Hawaii</u>
_____	DATE <u>2/24/99</u>
_____	GRID _____ E
RECORDED BY <u>MR</u>	_____ N

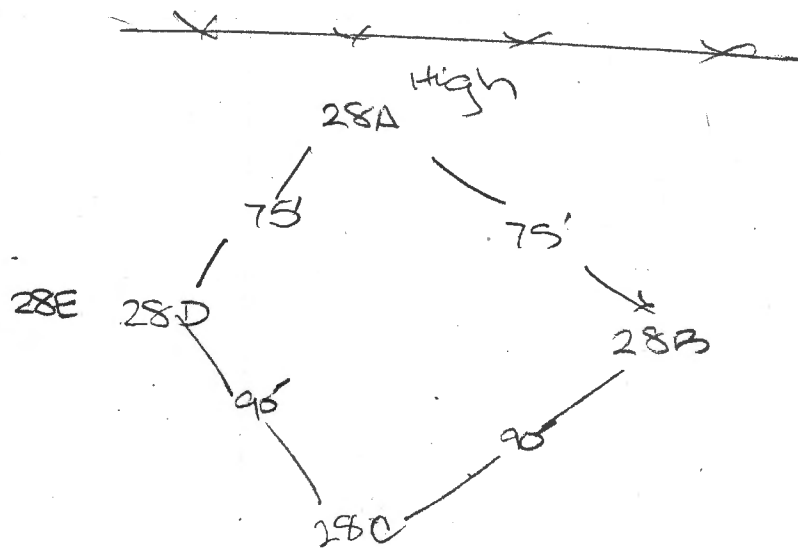
1 1/2 min test

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
28A		14"	2:30		7"	
		18	2:43	13 min	6 12/32	> 22/32
			2:56	13 min	5 26/32	> 18/32
			3:09	13 min	5 8/32	> 18/32
			3:22	13 min	4 22/32	> 8/32
			3:35	13 min	4 7/32	> 15/32 ~ 30% ^W
28B		13.5"	2:33		7"	
		17.5	2:47	14 min	6 20/32	> 12/32
			3:00	13 min	6 7/32	> 13/32
			3:13	13 min	5 27/32	> 12/32
			3:26	13 min	5 5/32	> 12/32
			3:39	13 min	5 3/32	> 12/32 > ~ 40% ^W

TEST DATA

NAME <u>Sandborn</u>	FILE NO _____
LOCATION <u>KOANDAH GARDENS</u>	COUNTY <u>Howard</u>
_____	DATE <u>2/24/94</u>
_____	GRID _____ E
RECORDED BY <u>MR</u>	_____ N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)	
28C		13"	3:18		7"	> 20/32	
			3:31		6 2/32	> 14/32	
			3:44		5 28/32	> 22/32	
			4:00		5 6/32	> 17/32	
			4:15		4 2/32	> 14/32	
			4:29		4 7/32	~ 30 mph	
28D		15"-19"	10:17		7"	> 12/32	
			10:32		5 30/32"	> 30/32	
			10:47		5"	> 12/32	
			11:02		3 30/32"	> 16/32	
			11:05		7"	> 1	
			11:20		5 20/32	> 1	
			11:35		4 20/32		
			11:50		3 20/32"		
						$\bar{x} = 33/32"$ in 15 min $\bar{x} = 14$ mpi	



TP 444 into Micromon Coprolite (M1) (see below, but hidden the 'M1' part) - dense Red Cl-hCl (grit) @ 19-36", Rd Bankl-Cl @ 12-17"
 28A at 64" spherule mostly greys (10YR 5/2) = 2.5YR 5/6's mid, esp. a cream white + saturated + 100% @ 64" water seeps after year
 end of day
 quick
 Between Infil Tests 28A + 28B which Both look Bt₁ described here, Bt₁ and Bt₂ dense out as
 more wetward in Tr. d.

MARYLAND DEPT. OF THE ENVIRONMENT
ONSITE SEWAGE DISPOSAL SYSTEM
SITE EVALUATION REPORT
 SOIL PROFILE DESCRIPTION

FILE NO:
 MD. GRID:
 TAX MAP/B/P:
 SUBDIVISION:
 DATE:
 BY:

TR 28 SECTION

DEPTH	TEXTURE	MATRIX COLOR	MOTTLES DESCRIPTION	STRUCTURE	CONSISTENCE	%ROCK BY VOL.	REMARKS (Caving, moisture, etc.)
HOLE							
28B 11	L	v dark Brn 10YR 4/3	5/3	2m gran-2v f sbk	sl sticky-Nm	—	wet at top moist bottom
17	siCl	10YR 6/6	Yd Brn	2v f sbk	Mod Sticky	—	v. moist - wet
21-24	HL-siCl	5YR 6/8 + 10YR 6/6	Mix	2m sbk	sl sticky	—	Yd Brn clay skins on ped faces 2-3 mm clay skins moist
30	CL	2.5YR 4/8 Red C-F 2	10YR 4/6	1m-f sbk	Too dry to ball	few	3-4 mm clay pieces sl. moist
38	CL	Mix Red same color Yd Brn			clayey shams	Large of Pt 2 stones 31-38"	moist
47	CL	Mix 10YR 6/6 Yd Brn 2.5YR 4/8 Red		massive-1c sbk		—	some clay films sl. moist dense + velvety
55	siCl	10YR 6/6 Yd Brn C-F 2.5YR-10YR 6/6-6/8	Cl d Red mottles	Massive-prismatic	Mod sticky	—	dense + velvety moist
67	siCl	10YR 8/1	Cl d 7.5YR 5/8	Massive	v sticky	—	v dense moist
72	HL siL	10YR 8/1	Cl d 7.5YR 5/8	Massive	sl sticky	—	v act-saturated
at 0 P2 - hit water table @ 7 ft.							
Slope% - EL. (ft) - Chroma 2 - Least Permeable Layers -							
Landscape Position - Toeslope Water BLS - Limiting Zones -							
Additional Remarks -							

A
 Bt₁
 Bt₁₂
 Bt₂₄
 Bt₂₂
 C
 C₁
 C₂
 C₃

OP1 MW-06129 2/23/99 @ 4 PM 68" -12" 56"
 2/24/99 @ 10 AM 77" -12" 65"
 (Sunny day, ground frozen top 4", otherwise even ground level)

**MARYLAND DEPT. OF THE ENVIRONMENT
 ONSITE SEWAGE DISPOSAL SYSTEM
 SITE EVALUATION REPORT**

FILE NO.
 MD. GRID:
 TAX MAP/B/P:
 SUBDIVISION: *Korndah Gardens (Sandbank Property)*
 DATE: *2/24/99*
 BY: *[Signature]*

SOIL PROFILE DESCRIPTION
 LOT *29* SECTION *90' From Hle 28/29A; 42' From OP1*

DEPTH	TEXTURE	MATRIX COLOR	MOTTLES DESCRIPTION	STRUCTURE	CONSISTENCE	% ROCK BY VOL.	REMARKS (Caving, moisture, etc.)	
HOLE								
29B 0-5"	SIL	10YR 4/3	dark gray/brown				wet	
13"	SIL	10YR 4/2	gray	2f-sbk			Moist	
15"	SIL	10YR 4/4	10YR 4/2 face black brown - gray brown	1f-sbk			Moist maybe an old E horizon	
18"	hSIL-SiCL	10YR 4/5-3/4	10YR 4/5 face -3/1	1m-FSBK			Black + dark brown columnar mottled face Moist	
24 1/2"	CL	10YR 5/6	yellow 10YR 5/4 face P1F 10YR 5/2	2f-m-sbk			in clay face v. Moist	
31"	CL	10YR 5/6	cl & 7.5YR 6/8 P2F 7.5YR 7/0	1m-2f 10YR 6/3			Sand Dots on red faces v. Moist clay films	
40"	CL	Mix 7.5YR 8/0 (blue gray) 7.5YR 6/8 (yellow red)		1m-prismatic -massive			dense Moist	
same 45"	coSL-LS	2.5YR 4/8	Red	single			discontinuous horizon SL Moist rest of zone like 40" level	
50"	CL		same as 40" level	1m-prismatic -massive			dense SL Moist	
65"	coSL-hSL	10YR 7/1	gray, 6.5YR 7/3 6.5YR 6/8 mottled	1c-prismatic -massive			SL-by Moist	
74"	coSL-LS	7.5YR 8/6	Blue gray	Massive			wet	
			water seepage @ 69" after 1hr, slight caving					
Slope%-	EL.(ft)-	Chroma 2-	Least Permeable Layers-					
Landscape Position-	<i>Toe Slope</i>	Water BLS-	Limiting Zones-					
Additional Remarks-								

A1
 A2
 AB1
 AB2
 Bt1
 Bt2
 Bx
 Bx

TEST DATA

NAME <u>Sandborn Property</u>	FILE NO _____
LOCATION <u>Koandah Gardens</u>	COUNTY <u>Howard</u>
_____	DATE <u>2/24/99</u>
_____	GRID _____ E
RECORDED BY <u>MR</u>	_____ N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)		
29C hook		20"	12:04		7"	> 2 1/32 yellow <u>~ 19 mfl</u>		
		24	12:18	14 min	6 0/32			
29D2 hook		20"- 24	12:16		7"	> 1 1/32 yellow layer		
			12:37	21	6 13/32			
			12:51	14-35	5 29/32	> 1 1/32		
			1:05	14-49	5 15/32	> 1 1/32		
			1:19	14-63	5 10/32	> 5/32		
			1:33	14-	4 27/32	> 1 1/32		
			1:57	24	2 1/32	> 1 0/32		
		hook 29B2		19"- 23	12:38	14	6-30/32	> 2/32 yellow layer
					12:52	14-28	6-27/32	> 3/32
				1:06	14-42	6-26/32	> 4/32	
1:20	14-56			6-23/32	> 3/32			
1:34	14-			6-27/32	> -4/32			
	1:52	18	5 24/32	> 5/32				

TEST DATA

NAME <u>Sandborn Property</u>	FILE NO _____
LOCATION <u>Koondah Gardens</u>	COUNTY <u>Howard</u>
_____	DATE <u>2/24/99</u>
RECORDED BY <u>HR</u>	GRID _____ E N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
29A bot		77-21	10:35		6"	
			10:42	7min	5 13/32	
			10:59	17min	4 12/32	> 3 3/32
			11:13	14min	3 23/32	> 2 4/32
			11:32	19min	2 28/32	> 2 7/32
			11:45	13min	2 10/32	> 1 8/32
			10:50	7		
			11:06	16min	6 23/32	
			11:20	14min	5 24/32	> slowed?
			11:37	19min	5 22/32	
B bot		14-18	10:56		6"	
			11:09	13min	5 1/32"	> 3 1/32
			11:23	14min	4 4/32	> 2 2/32
			11:39	16min	3 5/32	> 3 1/32
			11:5			
C hook		20" 24	11:03		8"	
			11:15	12min	4 29/32	
			11:33	18min	2 14/32	
D hook		12" 16	11:03		8"	
			11:15	12min	4 29/32	
			11:33	18min	2 14/32	

2" 46
± 23%
OK

MARYLAND DEPT. OF THE ENVIRONMENT
 ONSITE SEWAGE DISPOSAL SYSTEM
 SITE EVALUATION REPORT

FILE NO.

MD. GRID:

TAX MAP/B/P:

SUBDIVISION:

DATE: 2/23/99

BY: R.J. Pinkley

SOIL PROFILE DESCRIPTION

LOT 28/29 SECTION A Midpoint

DEPTH	TEXTURE	MATRIX COLOR	MOTTLES DESCRIPTION	STRUCTURE	CONSISTENCE	%ROCK BY VOL.	REMARKS (Caving, moisture, etc.)	
HOLE								
A 0-13"	W L	10YR 4/3	Dark Gray Brn	2f sbk	mfi		Moist A heavy	
18"	CLH	10YR 5/4	5f 10YR 5/8 Cl-10YR 5/3	1-2m sbk	mfr		sl moist-moist B+	
27"	CLHSL	10YR 6.5/4	cl-20 red brn m-cl-10YR 5/3	2f-m sbk	mfi-mfr		sl moist	
48-60"	CL-SL	5YR 5/6	7.5YR 9/0	2c prismatic	mvfr		dense sl. moist	
NE 60"	SL-L	mix Dark gray pump + tan + brown		Saprolite	mfr	Saprolite chunks	color of parent material wet	
			Water seepage to 56" below ground by end of day					
Slope%- EL.(ft)- Chroma 2- Least Permeable Layers- 27" 60"								
Landscape Position- Water BLS- Limiting Zones- progressively slower & depth								
Additional Remarks- in CL of out Fall of Hanover Swale.								

D-3

To LON
Date 3/23/99 Time 4:00 AM PM

WHILE YOU WERE OUT

M. Dale Gray - INOVA
of _____
Phone (410) 875-9370
Area Code Number Extension

TELEPHONED	<input checked="" type="checkbox"/>	PLEASE CALL	<input checked="" type="checkbox"/>
CALLED TO SEE YOU	<input type="checkbox"/>	WILL CALL AGAIN	<input type="checkbox"/>
WANTS TO SEE YOU	<input type="checkbox"/>	URGENT	<input type="checkbox"/>

RETURNED YOUR CALL

Message Koanalah Garden in Highland

Lot 29-C & Parc A

(410) 875-9370 - 8:30AM - on

2 sheets for 410-635-2883
Lot 29
Operator

Dale Gray



REORDER #23-000

11 20:00 62700 000

Date	# of pages
To Dale Gray	From Ron Pinkley
Co./Dept. Innova	Co. Howard County Health Dept
Phone # 416-875-9370	Phone # 410-313-2640
Fax # 410-535-2883	Fax #

TEST DATA

NAME Sandborn Property
 LOCATION Koumbah Gardens

DATE 2/24/99
 GRID _____ E
 RECORDED BY HR _____ N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
29A bot		17-21	10:35		6"	
			10:42	7min	5 13/32	
			10:59	17min	4 12/32	> 33/32
			11:13	24min	3 23/32	> 24/32
			11:32	19min	2 28/32	> 27/32
			11:45	13min	2 10/32	> 18/32
			10:50		7"	
			11:06	16min	6 23/32	
			11:20	14min	5 24/32	
			11:37	17min	5 22/32	
C hook		20" 1924	10:56		6"	> 3 1/2
			11:09	13min	5 7/32	> 29/32
			11:23	14min	4 4/32	> 31/32
			11:39	16min	3 5/32	
			11:5			
D hook		12" 16	11:03		8"	
			11:15	12min	4 29/32	
			11:33	18min	2 14/32	
			11:51			

TEST DATA

NAME	Sandborn Property	FILE NO	
LOCATION	Koandah Gardens	COUNTY	Hoopland
		DATE	2/24/99
RECORDED BY	MR	GRID	

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)	
29C hook		20'' 24	12:04	14	7''	> 2 1/32 yel brn	
			12:18	14 min	6 0/32		
29D2 hook hook 29B2		20'' 24	12:16	21	7''	> 19/32 yel brn layer	
			12:37		6 13/32		
			12:51		5 29/32		
			1:05		5 15/32		
			1:19		5 10/32		
			1:33		4 22/32		
			1:57		2 7/32		
			12:24		6-30/32		> 7/32 yel brn layer
			12:38		14		
			12:52		14-28		
1:06	14-42	> 4/32					
	19'' 23	1:20	14-56	6 23/32	> 3/32		
		1:34	14-	5 27/32	> 4/32		
		1:52	18	5 29/32	> 5/32		