

LAYOUT 10/22 12¹⁵ ish INSP 4 10/30/03 - 12
 INSP 2 ~~10/22~~ 10/23 3¹⁵ INSP 5 2/11/04 - 2 PM - P & A
 INSP 3 10/26/03 - 3 PM INSP 6 _____

ISSUE DATE: 10/21/2003

P 519632

APPROVAL DATE: 2/11/04

A 511435-W

**PERMIT
INDEXED**

RPS#
334570

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

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER
 ADDRESS: 580 Obrecht Rd, Sykesville 21784 PHONE NUMBER: 410-795-5670
 SUBDIVISION: The Estates @ Sandhill LOT NUMBER: 21
 ADDRESS: 2137 Grant Farm Court PROPERTY OWNER: Oak Hill Properties, LLC
 SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED
 PUMP CHAMBER CAPACITY (GALLONS): 1250 COMPARTMENTED TANK REQUIRED
 NUMBER OF BEDROOMS: 4
 SQUARE FEET PER BEDROOM: 210
 LINEAR FEET OF TRENCH REQUIRED: 270 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 6.0+ feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box near the top right corner easement stake. Run trenches on contour towards the other side of the easement.
NOTES:	The trenches should be spaced 10' center to center.

PLANS APPROVED: Brian Baker *OK/MR* DATE: 9/16/03

NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

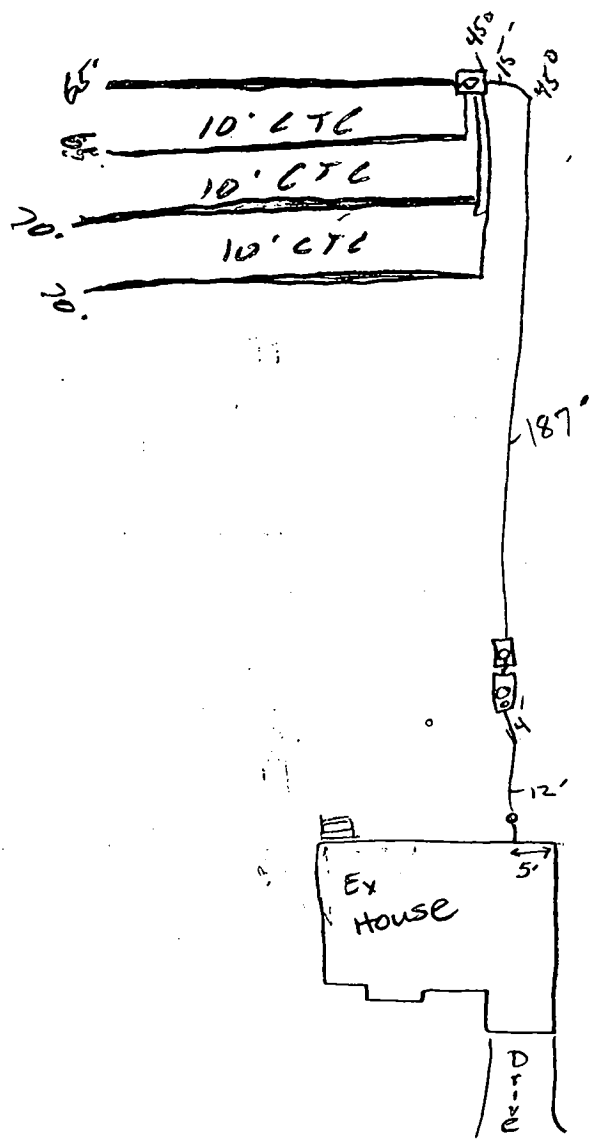
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
 RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

BUILDING PERMIT SIGNED AND RETURNED
 Call 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

5405 800153542-DECK

A 511435-W

NOT TO SCALE



GRANT FARM CT ROAD

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	4	6
NUMBER OF TRENCHES		4
TOTAL LENGTH		270'
ABSORPTION AREA		310 sq
DISTRIBUTION BOX LEVEL		<input checked="" type="checkbox"/>
DISTRIBUTION BOX BAFFLE		<input checked="" type="checkbox"/>
DISTRIBUTION BOX PORT		<input checked="" type="checkbox"/>

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	yes
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	3'
BAFFLES	yes
BAFFLE FILTER	No
MANHOLE LOC	mid
6" PORT LOC	front
WATERTIGHT TEST	
SEPTIC TANK 2 LEVEL	<input checked="" type="checkbox"/>
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	2 1/2' - 3'
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	No
MANHOLE LOC	Mid
6" PORT LOC	No
WATERTIGHT TEST	No

PRE-CONSTRUCTION 10/22/03 - SDA STAKED, INSTALL PER APPROVED
 BP PLAN - (SRX) 10/23/03 House Conn. Needed (KN) 10/24/03 - House
 INSTALLATION Conn made (SO) 10/28/03 - 1st trench installed,
 OK to cover (SO) 10/30/03 - OK to cover all work
 needs pump & alarm test (SO) 2/11/04 Pump and alarm working
 (BB)

FINAL INSPECTOR Chris Baker / B. Baker DATE OF APPROVAL 2/11/04

BUILDING DEPARTMENT
 AND RETURNED

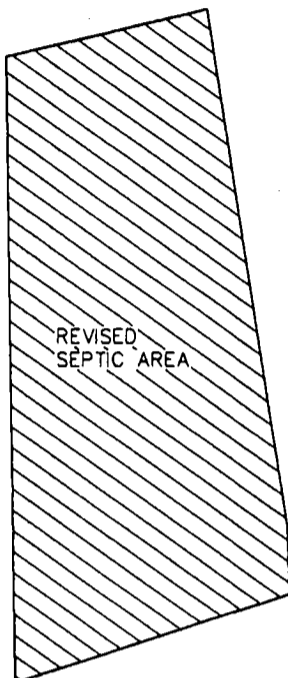
NON-BUILDABLE

N 05'08'55" E
112.52'

LOT 22



LOT 20



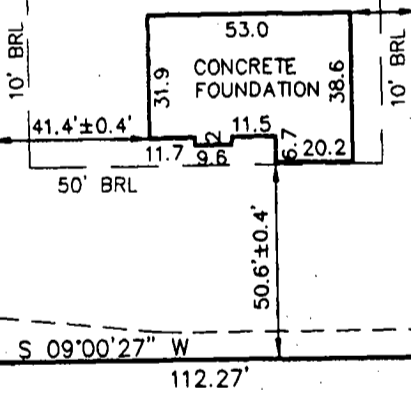
WALL CHECK OK
HOUSE DROPPED 0.6'
MR 10/10/03

LOT 21
47,064 S.F.

LOT 21
**THE ESTATES AT
SAND HILL**

PLAT NO. 14585
ELECTION DISTRICT NO. 3
HOWARD COUNTY, MARYLAND

PUBLIC DRAINAGE
& UTILITY EASE.



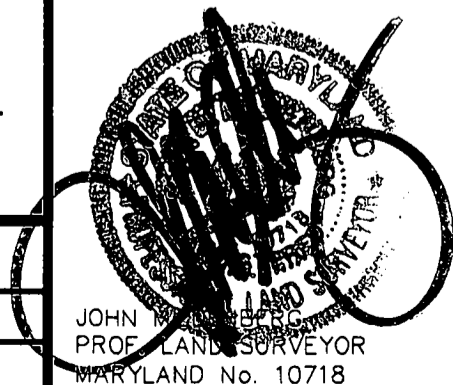
TOP OF WALL ELEV. = 570.4'±0.2'
FIRST FLOOR ELEV. =

ADDRESS.: 2137 GRANT FARM COURT

THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER FINANCING, OR REFINANCING ONLY AND IS NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.

**MILDENBERG
BOENDER, & ASSOC., INC.**

Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax.

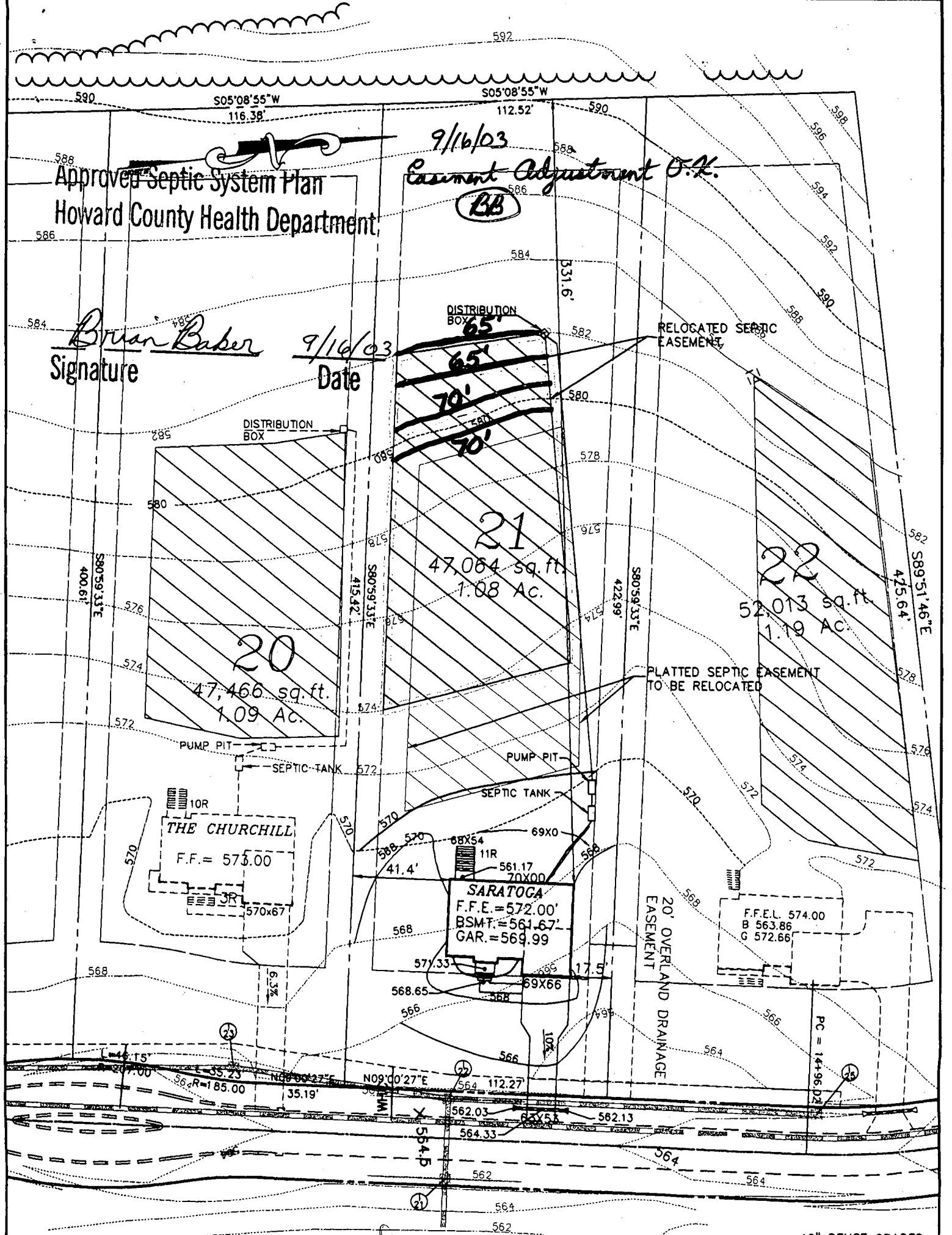


FOUNDATION	DATE: 10/08/03	FINAL	DATE:
DRAWN BY: T. HILL	SCALE: 1" = 50'		
PROJECT NO.: 00-074	LOCATION DRAWING		

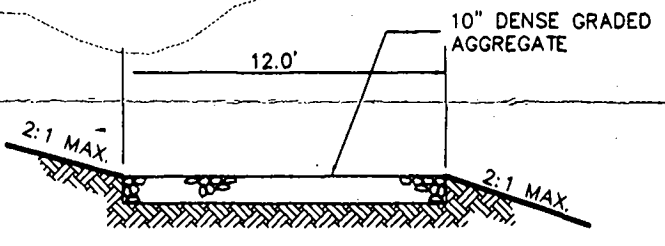
Approved Septic System Plan
Howard County Health Department

9/16/03
Easement Adjustment O.K.
BB

Brian Baber
Signature
9/16/03
Date



FIRST FLOOR EL.	= 572.00
INV. OUT OF HOUSE	= 566.65
INV. IN SEPTIC TANK	= 566.05
INV. OUT OF SEPTIC TANK	= 565.80
EXIST. EL. AT SEPTIC TANK	= 569.00
PROP. EL. AT SEPTIC TANK	= 569.00
EXIST. EL. AT PUMP PIT	= 569.70
INV. IN PUMP PIT	= 565.70
EXIST. EL. AT DIST. BOX	= 582.00
INV. IN DIST. BOX.	= 578.00



TYPICAL DRIVEWAY SECTION
NTS

G.P. # 02-07 PLAT # 14580-14585 GRAVITY SEWER TO BASEMENT

THE ESTATES AT SAND HILL
PLOT PLAN LOT # 21
2137 GRAND FARM COURT

**MILDENBERG,
BOENDER & ASSOC., INC.**
Engineers Planners Surveyors

ELECTION DISTRICT: 3	TAX MAP: 16	HOWARD COUNTY, MARYLAND
DRAWN BY: M.M.T.	SCALE: 1"=50'	DATE: SEPTEMBER 15, 2003

6072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax.

APPLICATION

PERCOLATION TESTING

A 511435

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 2/24/99

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 R. Jeanette Miller, Trustee; Clyse Day Pendleton, Et Al

ADDRESS 14965 Frederick Road, Woodbine, MD 21797 PHONE _____

AGENT OR PROSPECTIVE BUYER Oak Hill Properties, LLC; Attn: Mr. Kevin Rogers

ADDRESS 107 Loudoun Street, SE, Leesburg, VA. 20175 PHONE 703 443 0400

PROPERTY LOCATION:

SUBDIVISION Sand Hill Property LOT NO. 1 though 78

ROAD AND DESCRIPTION East side intersection of Sand Hill Road and Mt. View Road

TAX MAP 16 PARCEL # 3

SIZE OF LOT 40,000 to 60,000 S.F. TYPE BLDG. Single Family Dwelling
(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. Oak Hill Properties, LLC
Kevin B. Rogers
(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
21e

bright red
Sicilm

bright red
to pink
Salm

micaceous
15%
R_x

21c/22b

heavy red
Sicilm

yellow tan
Salm

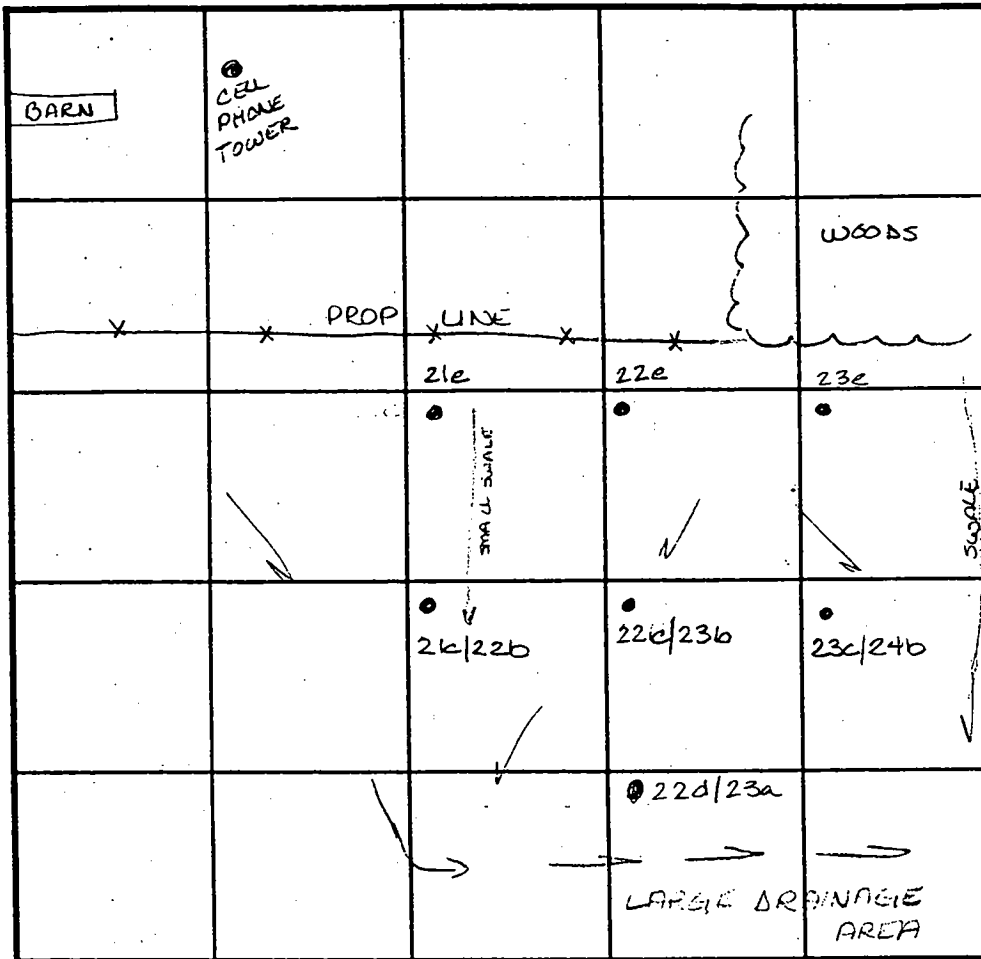
micaceous
20%
shale

22c/23b

like
21e

23c/24b

like
21e



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE
23e 22e

dark red
brown
micaceous
Sicilm

red &
yellow
streaked
Silm
micaceous
20%
R_x

22d/23a

topsoil
yellow
Sicilm
mottled
br & yellow
Silm

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-8-99	21e	Visual	to 12.0	SEC	profile	—	OK
	21c/22b	6.0 V12.0	12:17	12:22	12:22	12:33	16min
	22c/23b	5.0 V12.0	12:35	12:44	12:44	1:03	19min
	23c/24b	4.5' V12.0	12:40	12:50	12:50	1:10	20min
	22e	5.0 V12.0	1:45	1:55	1:55	2:15	20min
		8.5 V12.0	1:44	1:45	1:45	1:46	1min
	23e	Visual	to 12.0 - see profile		—	—	OK
	22d/23a	Insufficient depth to potential H ₂ O — F					

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen

ALSO PRESENT Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____

TRENCH WIDTH _____

INLET DEPTH _____

MAXIMUM BOTTOM DEPTH _____

SQ. FT./BEDROOM _____

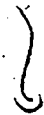
COUNTY #

SOIL PROFILE

25e

dark red brown silty clay

beige silty micaceous 10% rock



24e

dark beige silty micaceous

orange brown silty micaceous 20% micaceous shale

24e/25b

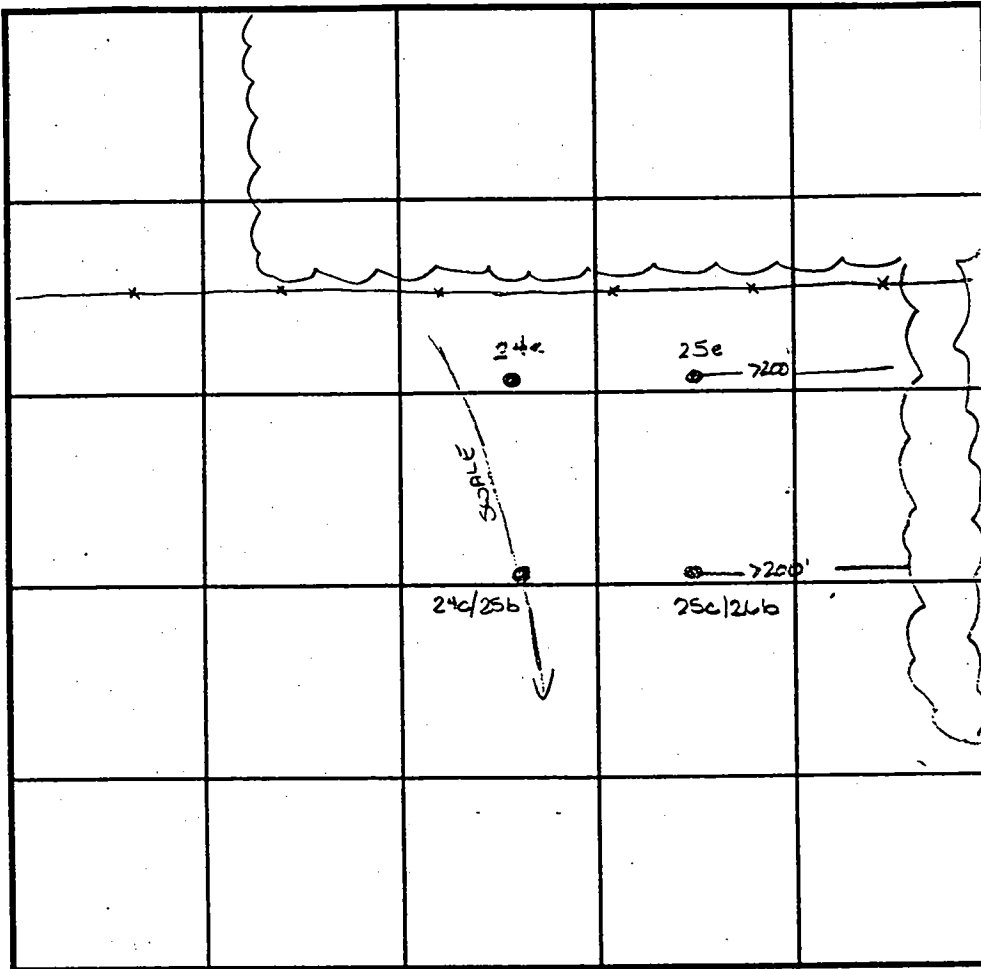
dark red silty micaceous

pink to dark red silty micaceous 15% rock

SOIL PROFILE

25c/26b

like 24c/25b but 30% shale frags



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-8-99	25e	Visual	to 120	- see profile			OK
	24e	4.0 vii.0	1:24	1:32	1:32	1:41	9min
		8.0 vii.0	1:23	1:24	1:24	1:27	3min
	24c/25b	4.0 vii.0	1:29	1:30	1:30	1:32	2min
	25c/26b	4.5 vii.0	1:34	1:37	1:37	1:42	5min

REMARKS Maintain 25' of G of gravel

TYPE OF SOIL Amy McMillen

TESTED BY _____ ALSO PRESENT Ketterman

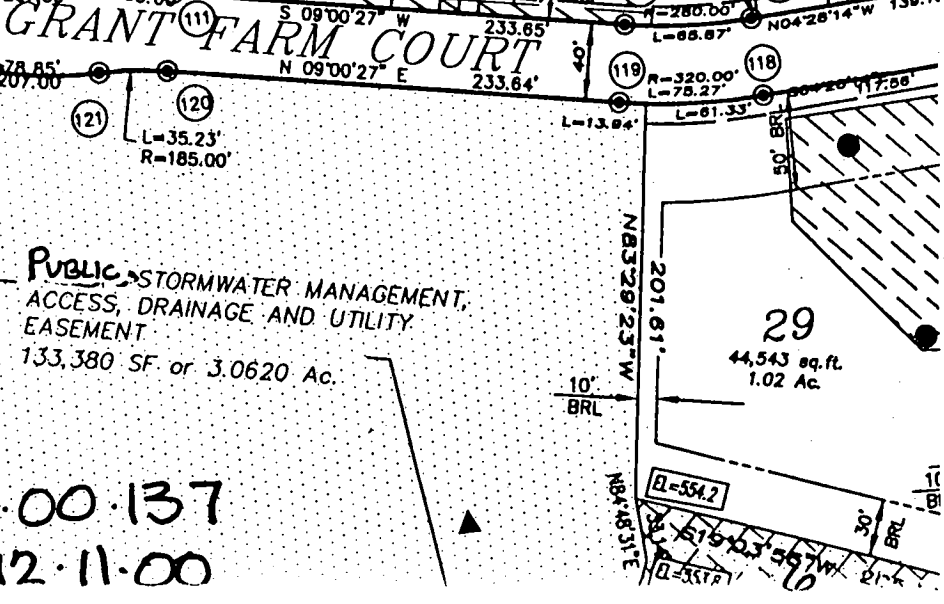
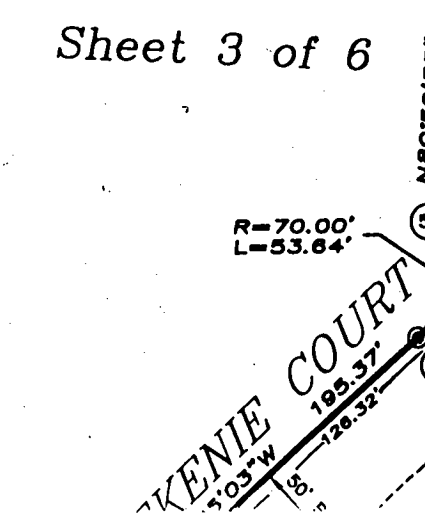
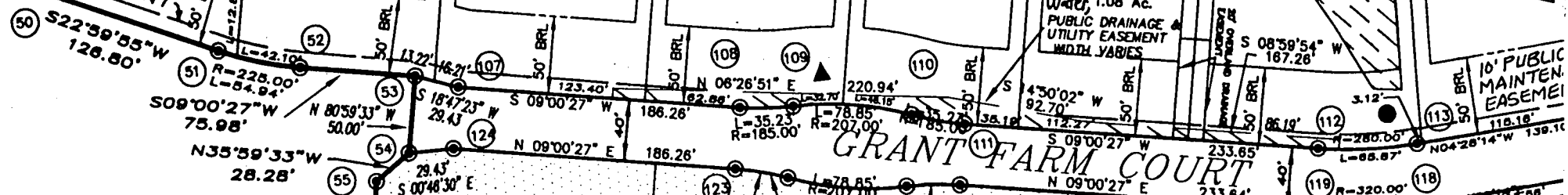
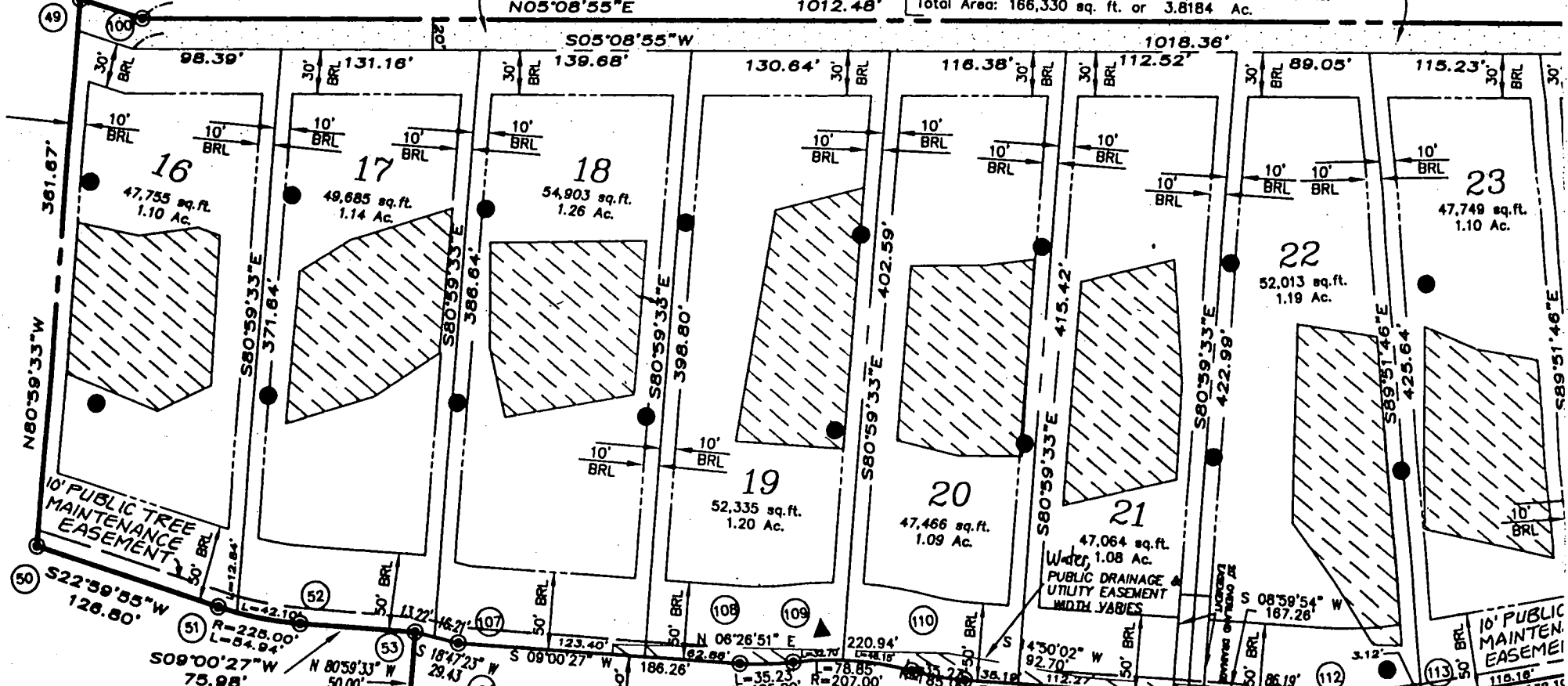
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

JOHN GORDON WARFIELD, JR. &
 LAURA J. WARFIELD
 L. 1018, F. 093
 PARCEL 209
 ZONED: RR-DEO

PRESERVATION PARCEL "A"
 (NON-BUILDABLE)

Owner: Oak Hill Properties, LLC
 Easement Holders: Howard County, MD. &
 Pendleton/Harless Estates at Sand Hill
 Homeowners Association, Inc.
 Partial Area (This Plot): 21,147 sq. ft. or 0.4855 Ac.
 Total Area: 166,330 sq. ft. or 3.8184 Ac.



Sheet 3 of 6

F.00.137
 12.11.00

59'
39'
36'
34'
81'
71'
39'
39'
10'
18'
37'
18'
37'
18'

NON-BUILDABLE

N 05°08'55" E

112.52'

LOT 22



LOT 20

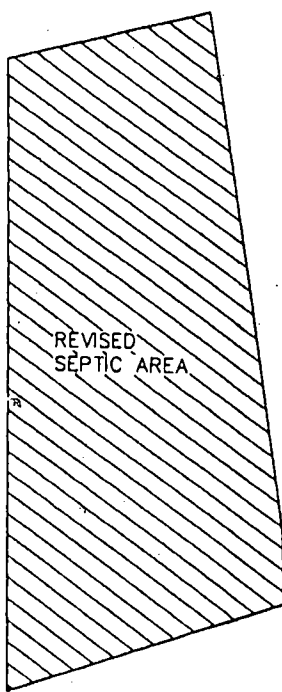
APPROVED

WALK-THRU BUILDING PERMIT

BP# 600153542 A# 511435-W

APP. SAN KJB DATE: 5/7/05

DESC. OF WORK: 23x14 Deck



N 80°59'33" W
415.42'

S 80°59'33" E
422.99'

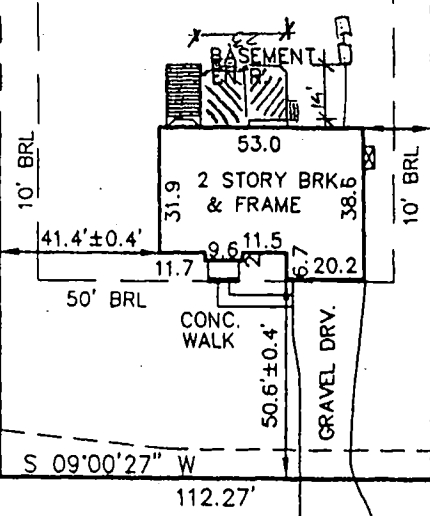
LOT 21

47,064 S.F.

LOT 21
**THE ESTATES AT
SAND HILL**

PLAT NO. 14585
ELECTION DISTRICT NO. 3
HOWARD COUNTY, MARYLAND

PUBLIC DRAINAGE
& UTILITY EASE



S 09°00'27" W

112.27'

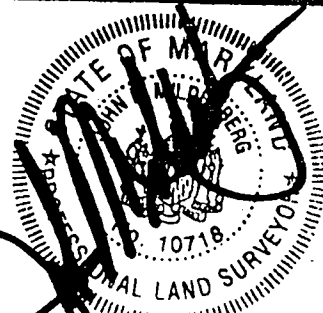
TOP OF WALL ELEV. = 570.4'±0.2'
FIRST FLOOR ELEV. = 571.6'±0.2'

ADDRESS: 2137 GRANT FARM COURT

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JOHN MILDENBERG
PROF. LAND SURVEYOR
MARYLAND No. 10718

FOUNDATION	DATE: 10/08/03	FINAL	DATE: 02/12/04
DRAWN BY: T. HILL	SCALE: 1" = 50'		
PROJECT NO.: 00-074	LOCATION DRAWING		