

LAYOUT 4/15/04 10am INSP 4 5/21/04-11:30
 INSP 2 4/20/04-PM INSP 5 5/26/04 PM
 INSP 3 5/20/04-10:30 INSP 6 8/16/04-1PM

ISSUE DATE: 4/14/2004
 APPROVAL DATE: 8/16/04

**PERMIT
INDEXED**

P 520148
 A 511435Z

RPS #
334600

**ON-SITE SEWAGE DISPOSAL SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH
 3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043**

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER
 ADDRESS: 580 Obrecht Road, Sykesville PHONE NUMBER: 410-795-5670
 SUBDIVISION: The Estates @ Sandhill LOT NUMBER: 24
 ADDRESS: 2149 Grant Farm Court PROPERTY OWNER: Oak Hill Properties, LLC
 SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED
 PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED
 NUMBER OF BEDROOMS: 4
 SQUARE FEET PER BEDROOM: 180
 LINEAR FEET OF TRENCH REQUIRED: 132 HOUSE SERVED BY PUBLIC WATER

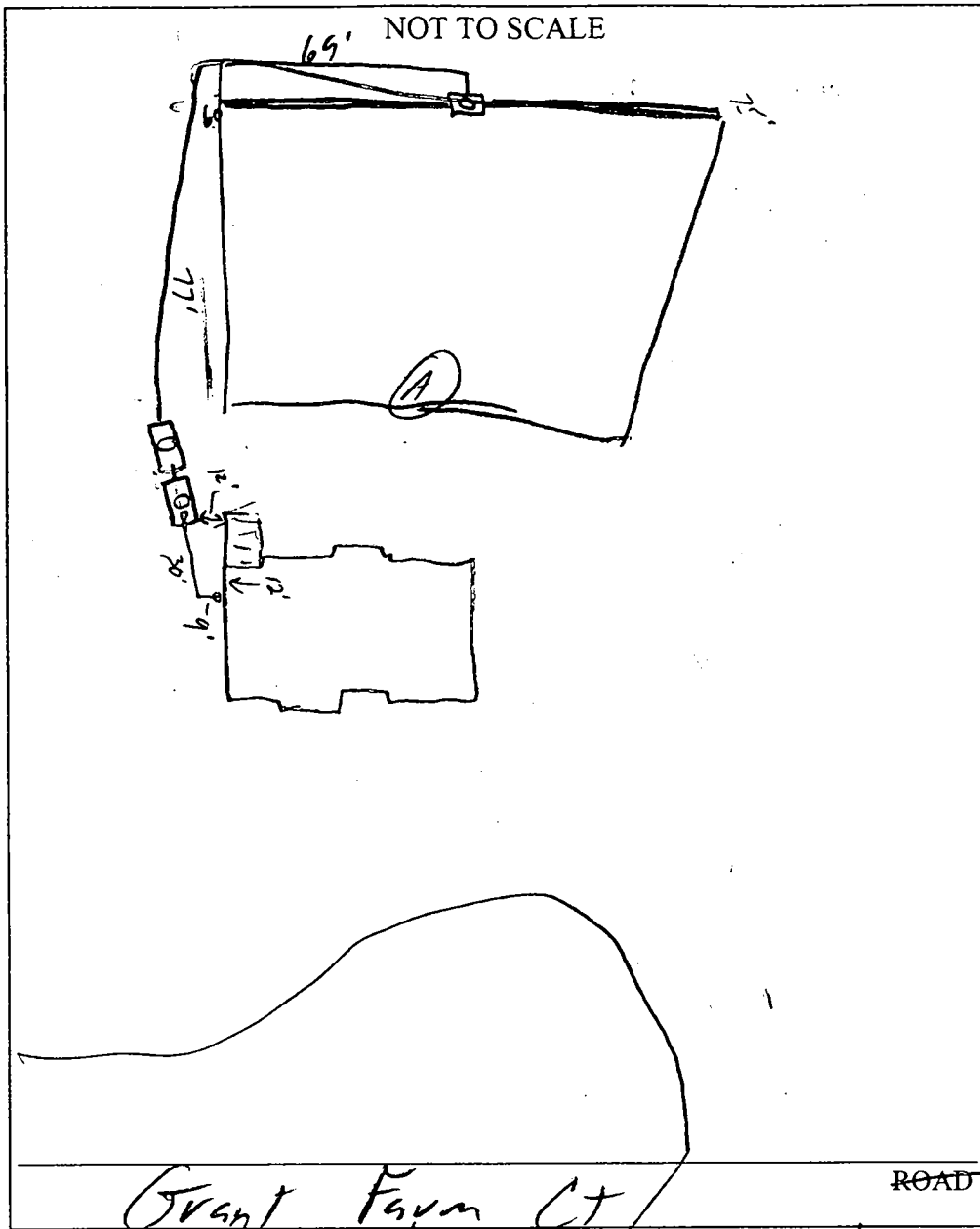
TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.5 feet of stone below distribution pipe.
LOCATION:	Place the distribution box at the highest elevation in the middle. Run northern trench 75' long (10-16' outside of the easement and 10' from the lot line). Run southern trench on contour 60' long. Maintain 5' separation between pressure line and end of trench.
NOTES:	DIG CONFIRMATION TEST HOLD FIRST! Basement service not proposed. Ensure lot lines are still staked prior to installation of trenches. SIGN BUILDING PERMIT AFTER SEPTIC TRENCH INSTALLATION.

PLANS APPROVED: Kacie Noonan DATE: 3/26/04

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 OR THE HEALTH DEPARTMENT IS
 RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
 CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM
 DO NOT LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL**

A 511435-Z



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	4	6.5
NUMBER OF TRENCHES		2
TOTAL LENGTH		135'
ABSORPTION AREA		405 4
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		✓

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL ✓	
CAPACITY	1250 GAL
SEAM LOC	TOP
TANK LID DEPTH	6'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST	✓
SEPTIC TANK 2 LEVEL ✓	
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	2'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Center
6" PORT LOC	—
WATERTIGHT TEST	✓

PRE-CONSTRUCTION 4/15/04 - SRA staked, contours accurate. Dig confirmation hole (A). Same as perc hole 27c. Install trenches

INSTALLATION per BP. (SO)

4/20/04 - Trenches installed, OK to cover (SO)

5/20/04 - No show (SO) 5/21/04 - OK to set tanks (SO)

5/26/04 - OK to cover all work. Pump & Alarm tests needed (SO) 8/16/04 - No water. Alarm test: OK (SO) 8/16/04 - Pump test OK (SO)

FINAL INSPECTOR John D. [Signature]

DATE OF APPROVAL 8/16/04

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
28b

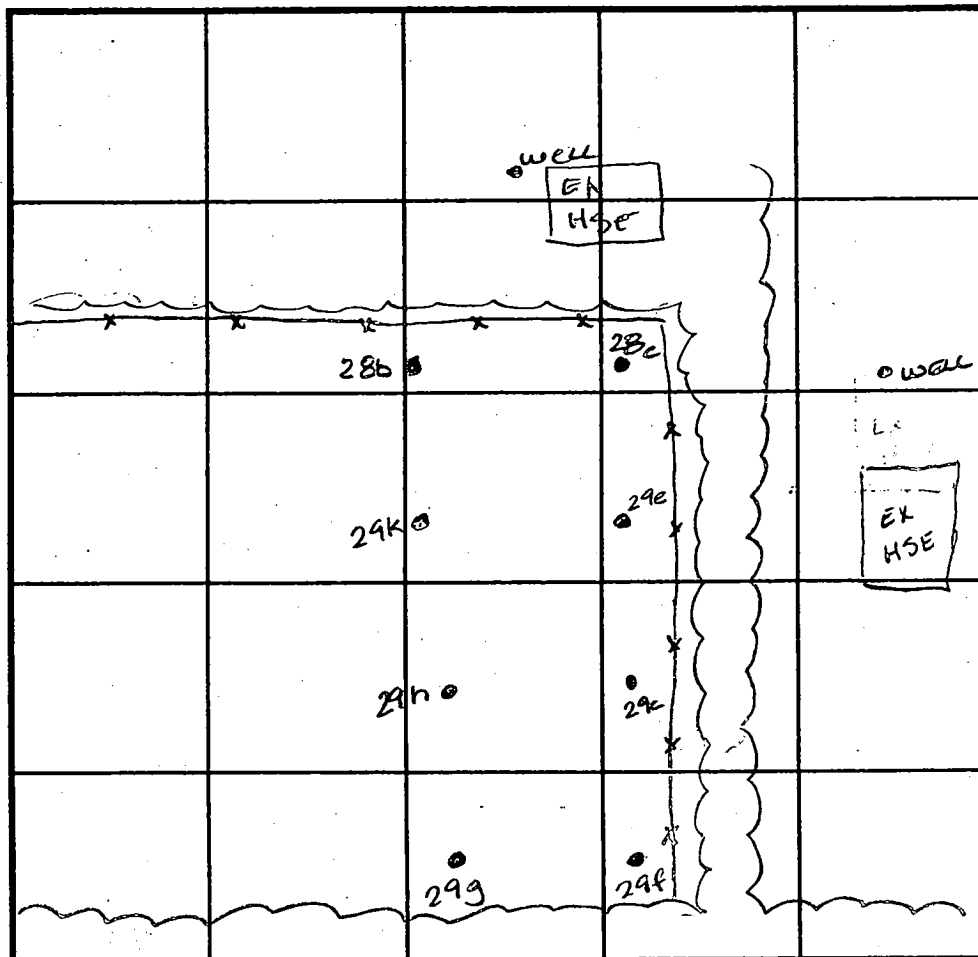
0'
orange
beigh
SiCLM
4.0
light
beigh
to
tan
Salm
micaceous
20%
R_x
12.0

28c 29e

4.5
dark
red
SiCLM
dark
red
brn
Salm
micaceous
25%
shale
12.0

29h 29c 29f

4.5
orange
brown
SiCLM
pink
Salm
micaceous
75%
shale
12.0



SOIL PROFILE
29k

0'
dark
red
SiCLM
3.5'
dark
red
to
pink
Salm
micaceous
10%
shale
12.0

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	28b	Visual	to 12.0'	- see profile	-	-	OK
	28c	4.0 / 12.0	2:13	2:14	2:14	2:16	2min
		8.0 / 12.0	2:14	2:15	2:15	2:16	1min
	29e	5.0 / 12.0	2:20	2:27	2:27	2:31	4min
	29c	3.5 / 12.0	2:31	2:37	2:37	2:42	5min
	29f	5.0 / 12.0	2:36	2:38	2:38	2:41	3min
	29h	Visual	to 12.0	- see profile	-	-	OK
	29g	3.5 / 12.0	2:45	2:46	2:46	2:48	2min
	29k	4.0 / 12.0	2:52	2:56	2:56	3:00	4min

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillen

ALSO PRESENT Ketterman

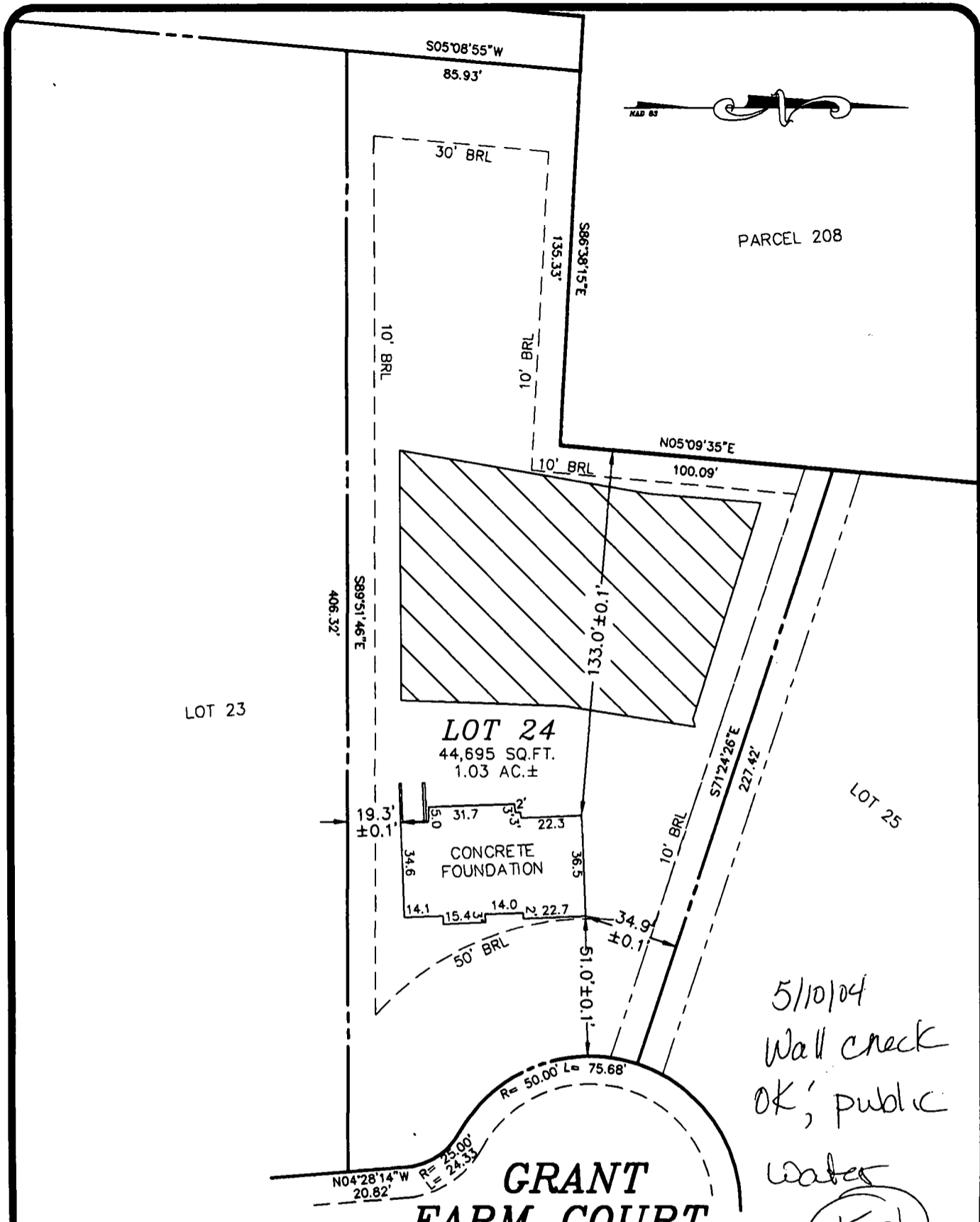
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM



5/10/04
 Wall check
 OK; public
 water
 (KAL)

LOT 24
THE ESTATES AT
SAND HILL

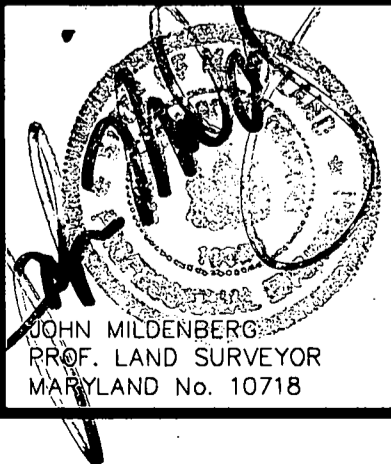
GRANT FARM COURT
 (40' ROW)

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

TOP OF WALL ELEV.= 579.9
 FIRST FLOOR ELEV.=
 ADDRESS.: 2149 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
 6072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax



FOUNDATION	DATE: 04/28/04	FINAL	DATE:
DRAWN BY: MES	SCALE: 1" = 50'		
PROJECT NO.: 00-074	LOCATION DRAWING		

Approved Septic System Plan
Howard County Health Department

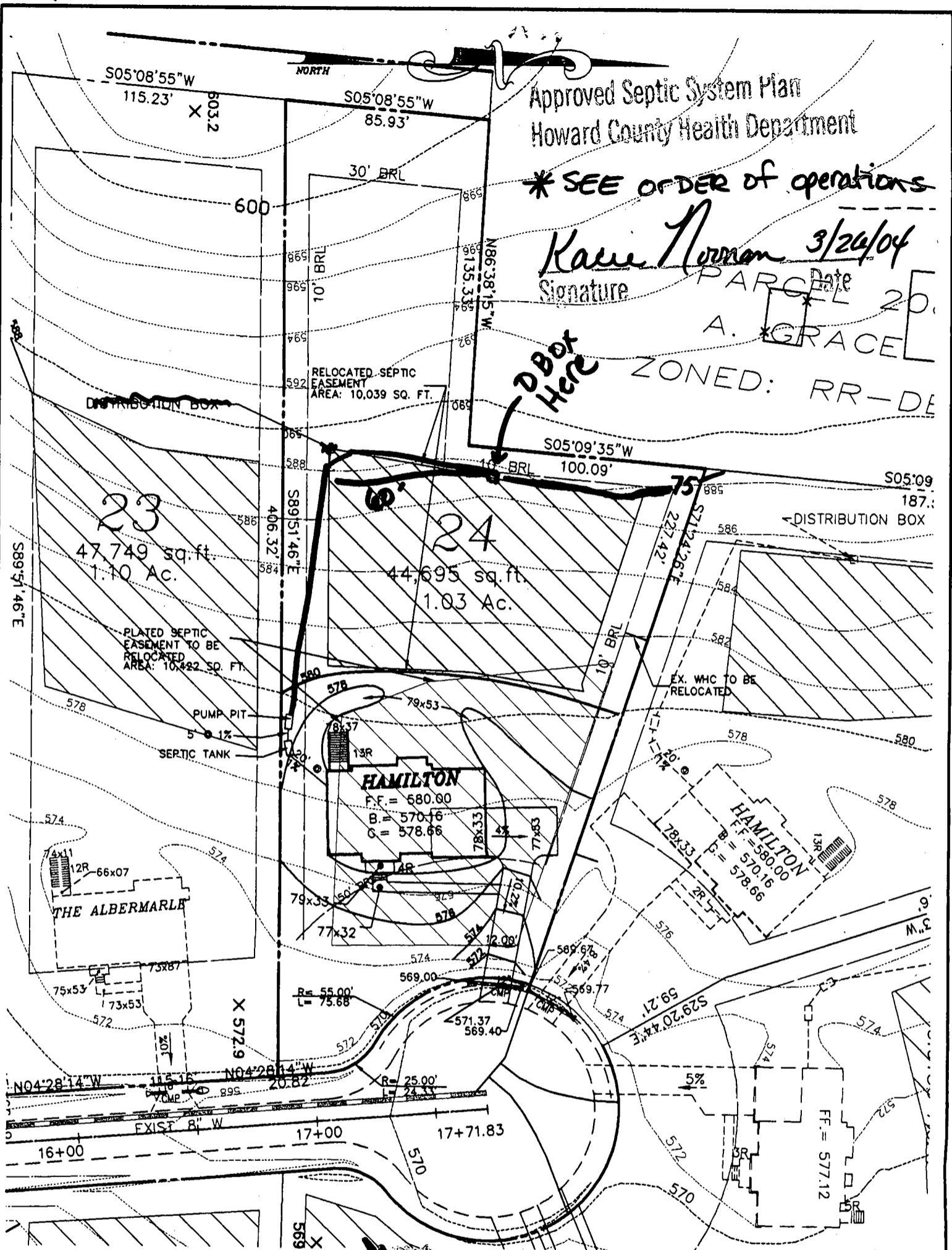
* SEE ORDER OF OPERATIONS

Kacie Norman 3/24/04
Signature Date

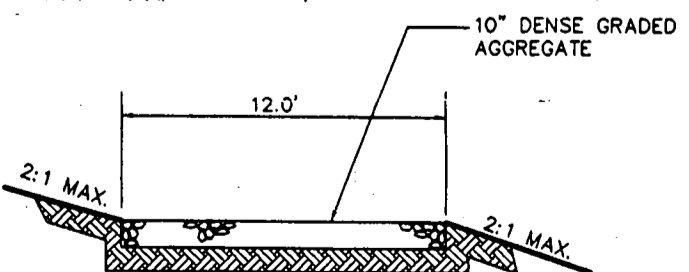
PARCEL 20
A. GRACE

ZONED: RR-DE

DBox Here



- FIRST FLOOR EL. = 580.00
- INV. OUT OF HOUSE = 575.20
- INV. IN SEPTIC TANK = 575.00
- INV. OUT OF SEPTIC TANK = 574.75
- EXIST. EL. AT SEPTIC TANK = 579.00
- PROP. EL. AT SEPTIC TANK = 578.00
- EXIST. EL. AT PUMP PIT = 578.65
- INV. IN PUMP PIT = 574.65
- EXIST. EL. AT DIST. BOX = 589.00
- INV. IN DIST. BOX = 585.00



TYPICAL DRIVEWAY SECTION
NTS

G.P. # 02-07
PLAT # 14580-14585

NOTE: NO GRAVITY SEWER TO BASEMENT

THE ESTATES AT SAND HILL

PLOT PLAN LOT # 24
2149 GRANT FARM COURT

ELECTION DISTRICT: 3	TAX MAP: 16	HOWARD COUNTY, MARYLAND
DRAWN BY: MMT	SCALE: 1"=50'	DATE: MARCH 19, 2004

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

5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Ball (301) 621-6621 Wash (410) 997-0298 Fax

COUNTY #

SOIL PROFILE
26c 27c

orange
brown
SiClm

4.0

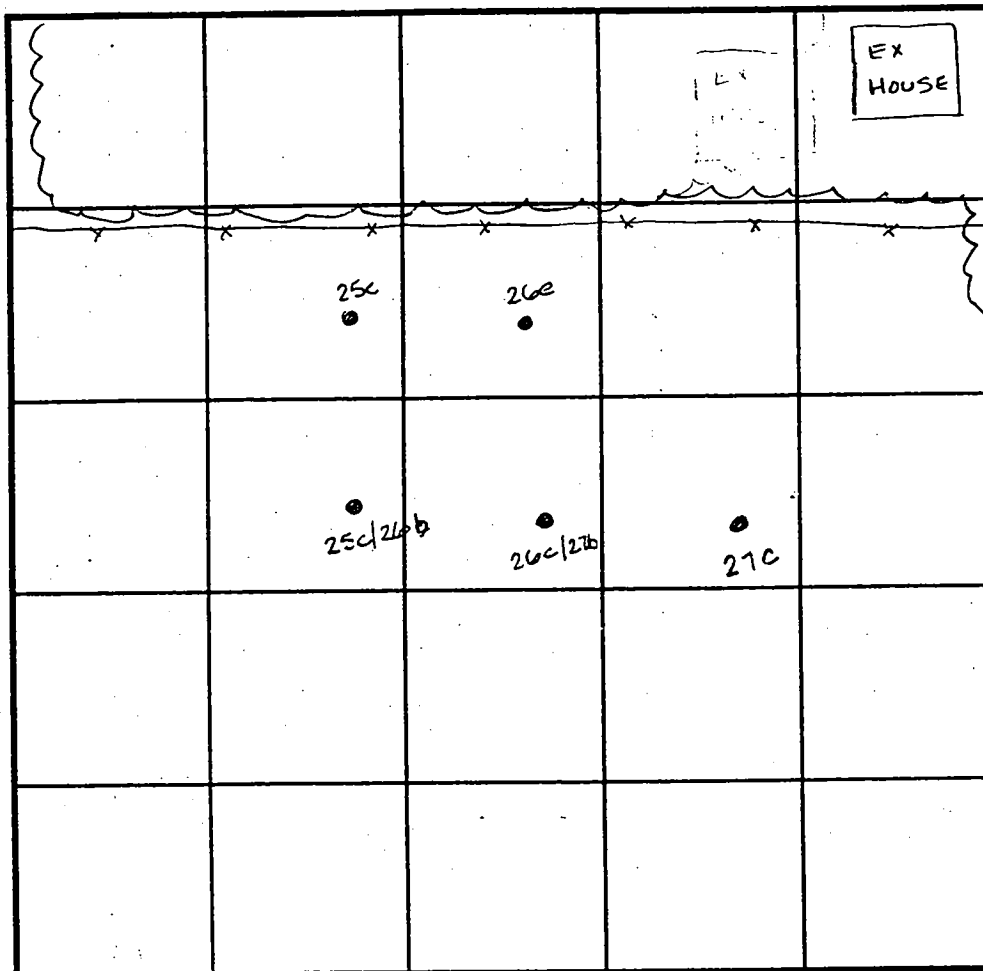
pink to
red
w/
yellow
streaks
salmon
micaceous
20%
mica
shale

2.0

26c/27b

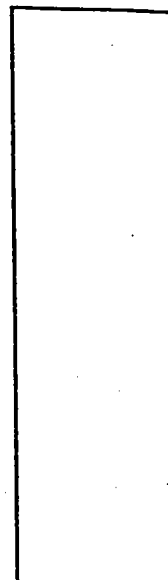
like
26c
&
27c

2.0



SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-8-99	26c	4.0 V12.0	2.01	2.04	2.04	2.08	
		8.0 V12.0	2.00	2.02	2.02	2.04	
	26c/27b	5.0 V12.0	3.09	3.14	3.15	3.20	
	27c	4.0 V12.0	3.03	3.05	3.05	3.07	

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen

ALSO PRESENT Kallemun

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____

TRENCH WIDTH _____

INLET DEPTH _____

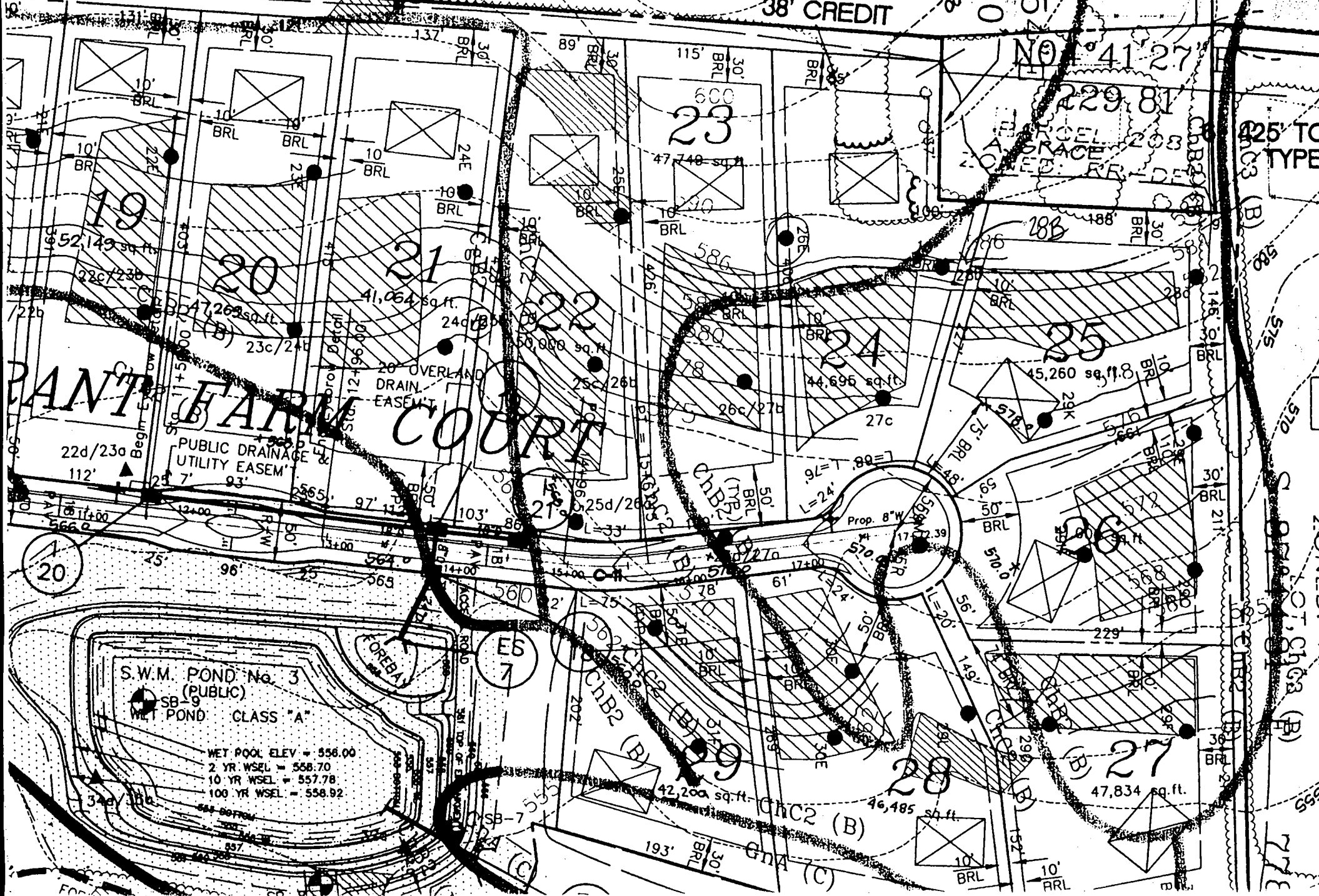
MAXIMUM BOTTOM DEPTH _____

SQ. FT./BEDROOM _____

06°19'00" E
CEL A

SP-00.02
2/2/00
38' CREDIT

149.90
5038.5
102 (B)
1B2 (B)



PANT FARM COURT

No. 41-27

25' TO TYPE

S.W.M. POND No. 3
(PUBLIC)
WET POND CLASS "A"

WET POOL ELEV = 556.00
2 YR WSEL = 558.70
10 YR WSEL = 557.78
100 YR WSEL = 558.92

600
23
47,748 sq. ft.

19
52,149 sq. ft.

20
47,263 sq. ft.

21
41,064 sq. ft.

22
50,000 sq. ft.

24
44,696 sq. ft.

25
45,260 sq. ft.

26
42,200 sq. ft.

28
46,485 sq. ft.

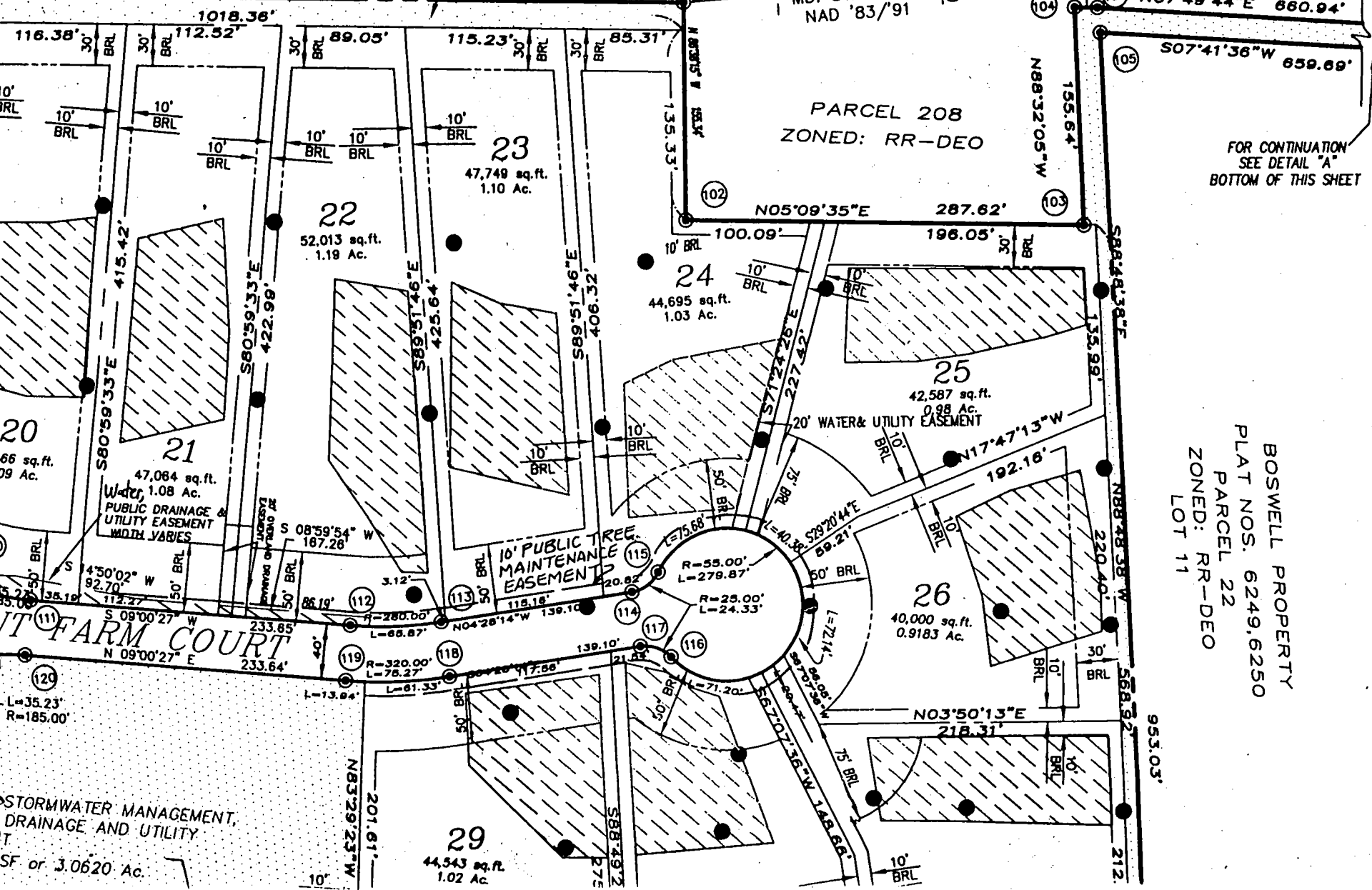
27
47,834 sq. ft.

F.00.137
12.11.00

Owner: Oak Hill Properties, LLC

Assessment Holders: Howard County, MD. &
Pendleton/Harless Estates at Sand Hill
Homeowners Association, Inc.
Partial Area (This Plat): 21,147 sq. ft. or 0.4855 Ac.
Total Area: 186,330 sq. ft. or 3.8184 Ac.

E 1333500
N 600750
MD. STATE GRID
NAD '83/'91



FOR CONTINUATION
SEE DETAIL "A"
BOTTOM OF THIS SHEET

BOSWELL PROPERTY
PLAT NOS. 6249, 6250
PARCEL 22
ZONED: RR-DEO
LOT 11

FARM COURT

STORMWATER MANAGEMENT,
DRAINAGE AND UTILITY
SF or 3.0620 Ac.



Howard County
Health Department

3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-1771 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

August 16, 2004

Oak Hill Properties, LLC
5305 Jefferson Pike
Frederick, MD 21703

SENT VIA FAX TO 301-473-7143

RE: Estates at Sandhill, Lot 24
2149 Grant Farm Court
Marriottsville, MD 21104
BP# B00146962
PUBLIC WATER

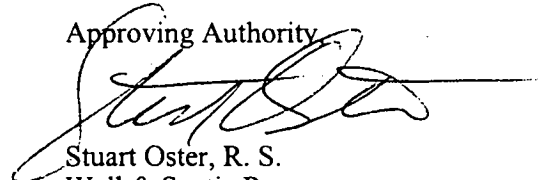
Dear Sir/Madam:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 08/16/2004.**

The property is served by public water and is therefore exempt from the Health Department water sampling requirements.

By issuance of this letter, this office recommends release of the Use and Occupancy permit for the referenced property.

Approving Authority



Stuart Oster, R. S.
Well & Septic Program

mlb
cc: Building Inspector's Office
File