

LAYOUT 2/13/04 INSP 4 6/28/04 - 11 P/A
 INSP 2 2/18/04 PM INSP 5 _____
 INSP 3 2/19/04 AM INSP 6 _____

ISSUE DATE: 2/12/2004
 APPROVAL DATE: 6/20/04

**PERMIT
INDEXED**

P 520057
 A 511444-Y

**ON-SITE SEWAGE DISPOSAL SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH
 3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043
 03-335119**

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER
 ADDRESS: 580 Obrecht Rd, Sykesville PHONE NUMBER: 410-795-5670
 SUBDIVISION: The Estates at Sand Hill LOT NUMBER: 71
 ADDRESS: 12029 Margaret Court PROPERTY OWNER: Oak Hill Properties
 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: 180
 LINEAR FEET OF TRENCH REQUIRED: 180/50 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 2.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box in the center of the staked SDA. Run (2) 40 ^{25'} trenches on contour toward driveway.
NOTES:	Pipe under drive to be embedded in gravel.

PLANS APPROVED: MER DATE: 12/31/03

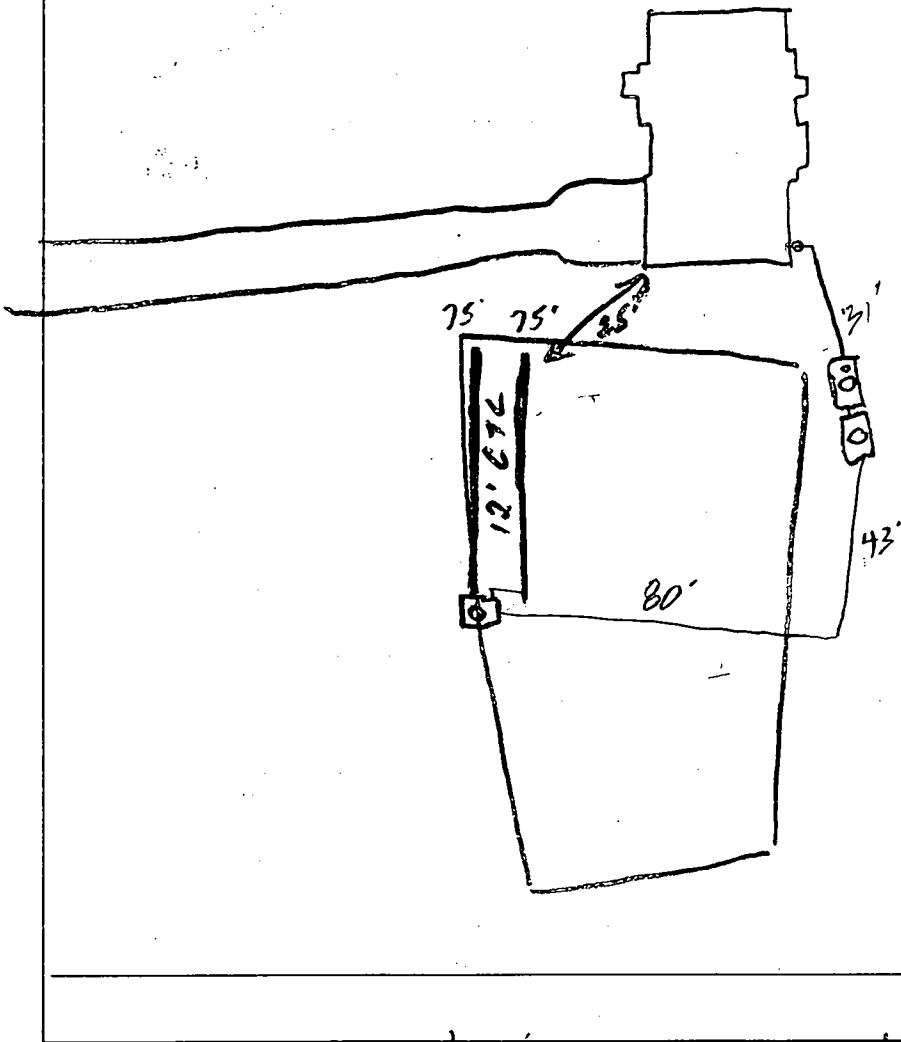
NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS 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 10-313-2640 FOR INSPECTION OF SEPTIC SYSTEM
 AND RETURNED DO NOT LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL**

12-2204 BOD/51473-DELC

19511444-Y

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	2.5'	4.5'
NUMBER OF TRENCHES	2	
TOTAL LENGTH	150	
ABSORPTION AREA	450 ^{sq}	
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	9.5-2
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	1-1.5
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Center
6" PORT LOC	—
WATERTIGHT TEST	✓

PRE-CONSTRUCTION 2/13/04 - SBA stated, contain accurate. Final trench per R.P. House conn. changed (SO)

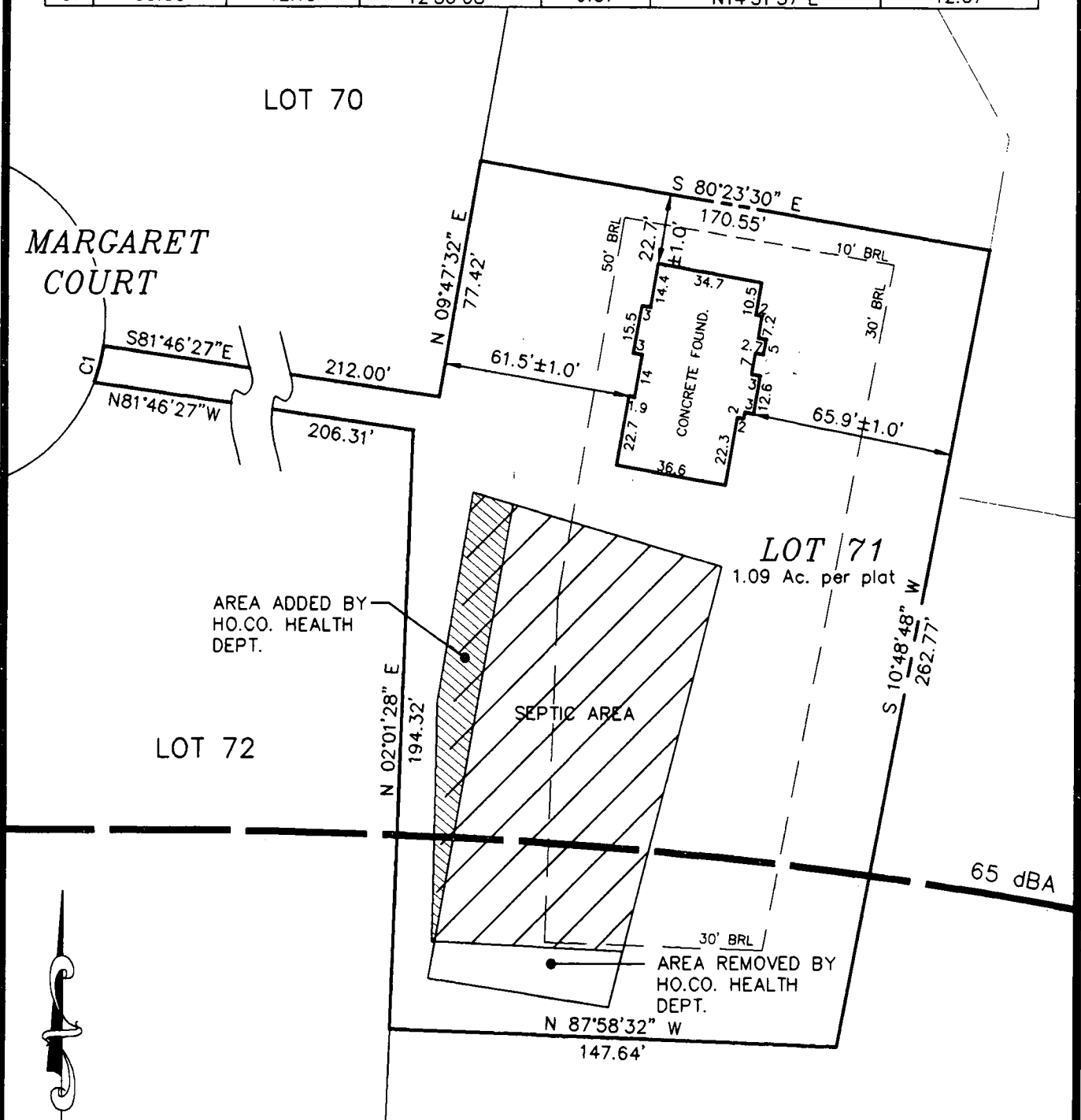
INSTALLATION 2/18/04 - Trenches installed, tanks set, OK to cover trenches (SO) 2/19/04 - OK to cover work completed, house conn. needed (SO)

6/28/04 - Pump & Alarm tests OK (SO)

BUILDING DEPARTMENT
AND RELATED DIV.

FINAL INSPECTOR [Signature] DATE OF APPROVAL 6/28/04

CURVE TABLE						
No.	Radius	Length	Delta	Tangent	Chord	Distance
C1	55.00	12.10	12°36'08"	6.07	N14°31'37"E	12.07



PRESERVATION PARCEL "B"

**LOT 71
THE ESTATES AT
SAND HILL**

* REVISED SEPTIC AREA 02/12/04
TOP OF WALL ELEV.= 560.8'±0.2'

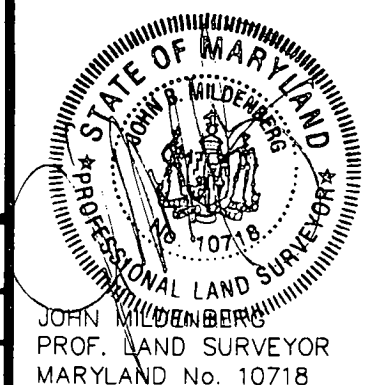
ADDRESS.: 12029 MARGARET COURT

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

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.**

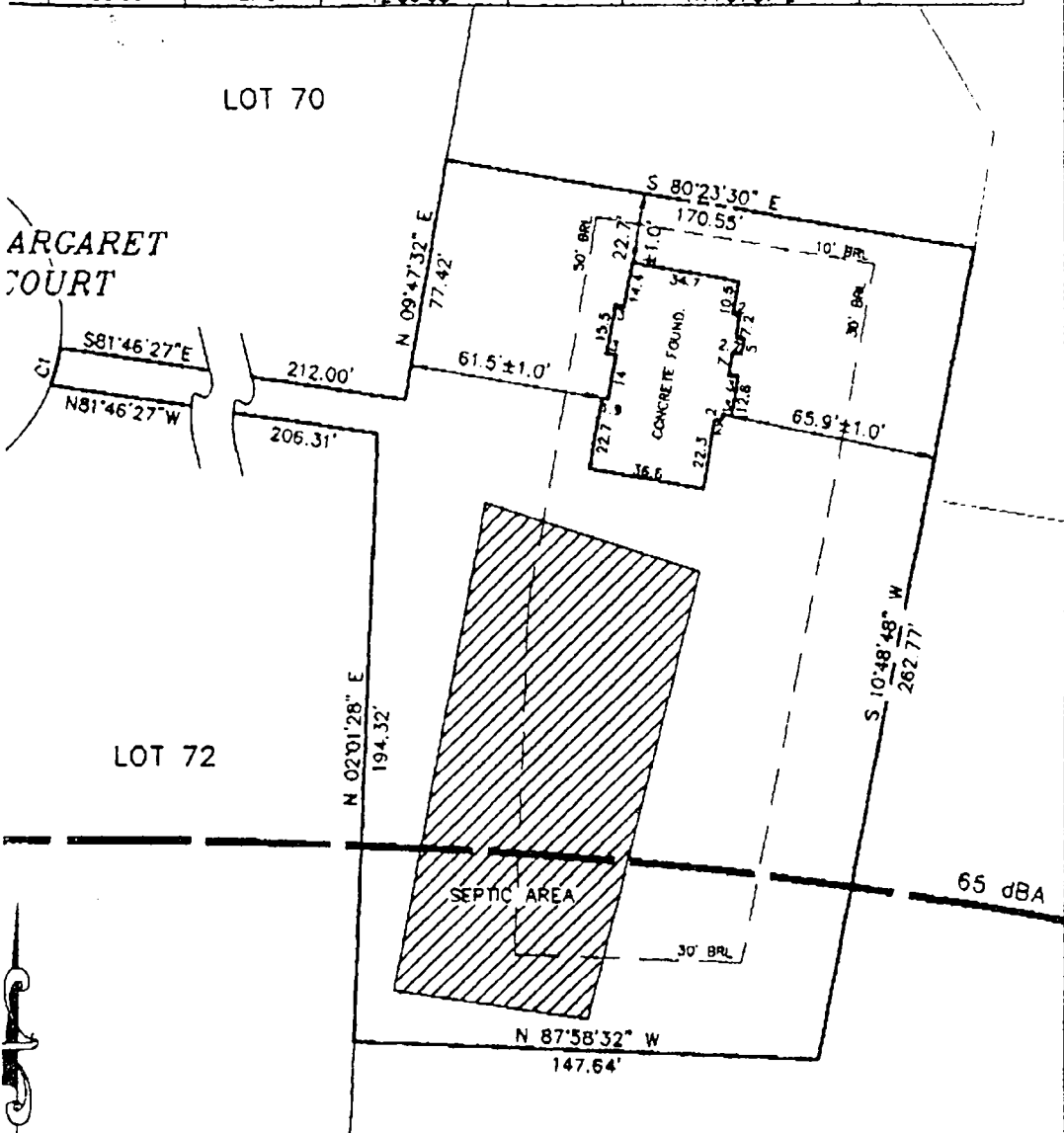
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax.



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

CURVE TABLE

No.	Radius	Length	Delta	Tangent	Chord	Distance
C1	55.00	12.10	12°36'08"	6.07	N14°31'37"E	12.07



PRESERVATION PARCEL "B"

LOT 71
THE ESTATES AT
SAND HILL

TOP OF WALL ELEV. = 560.8' ± 0.2'

ADDRESS: 12029 MARGARET COURT

AT NO. 14585
SECTION DISTRICT NO. 3
WARD COUNTY, MARYLAND

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MILDENBERG BOENDER, & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Derry Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 987-0298 Ball. (301) 821-6521 Wash. (410) 987-0298 Fax

STATE OF MARYLAND
 JOHN B. MILDENBERG
 PROFESSIONAL LAND SURVEYOR
 No. 10718

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

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
84h

0'
or
brown
Sic11m

4.0
or
Silm

7.0
mg
deposits
micaceous
Salm
20%
R_x
water

84i 84k

2.5'
dark
red
micaceous
Salm

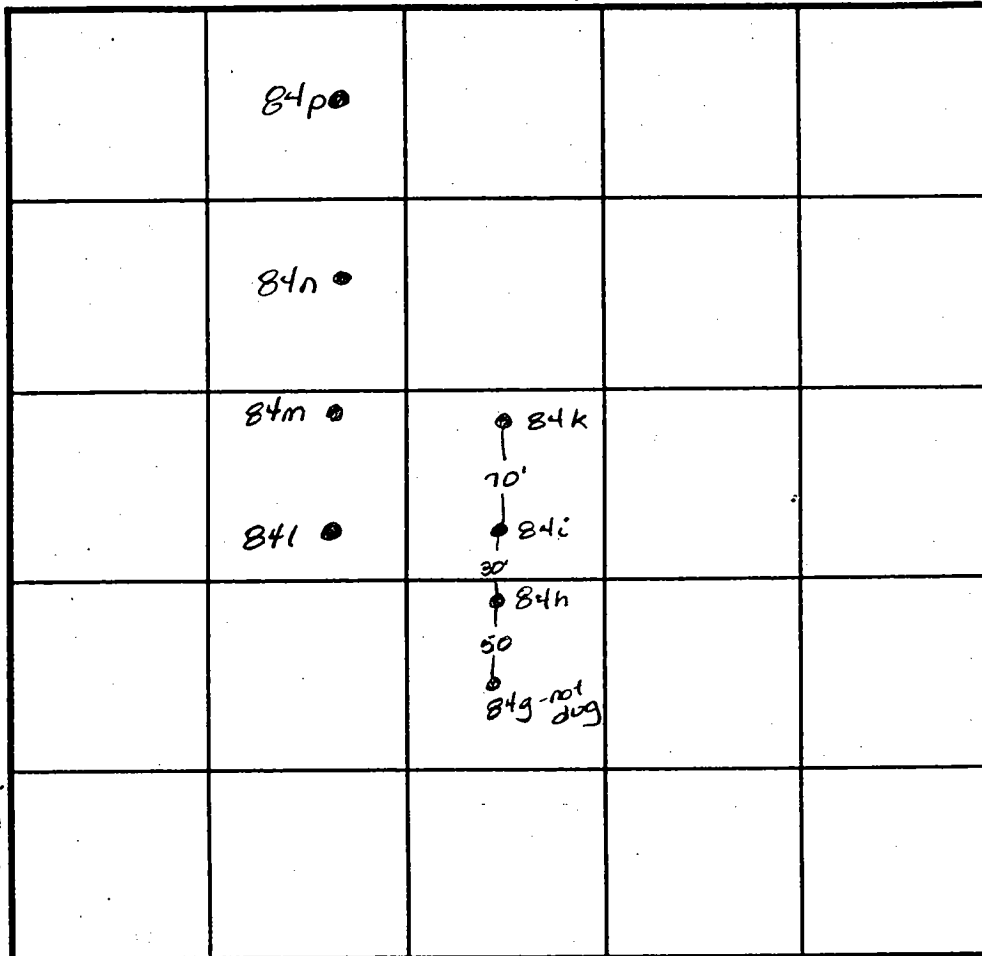
dark
brown
red
tint
Salm
micaceous
10%
shale

12.0
84p
red
brown
Sic11m

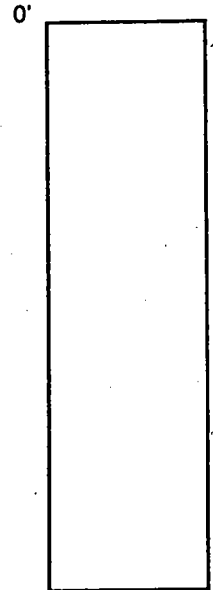
3.0
vein of
decayed
quartzite
Salm
white

10.0
darker
brown
Salm
micaceous
20%
Saprotite

12.0



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-4-99	84h	Visual	to 9.0	insufficient depth			
			to H ₂ O				F
	84i	3.0	12:16	12:19	12:19	12:21	2min
	84k	2.0	12:26	12:27	12:27	12:28	1min
	84l	2.5	12:29	12:31	12:31	12:33	2min
	84m	Visual	to 12.0	see profile			OK
	84p	Visual	to 12.0	see profile			OK
	84n	3.0	12:37	12:39	12:39	12:41	2min
		8.0	12:40	12:42	12:42	12:44	

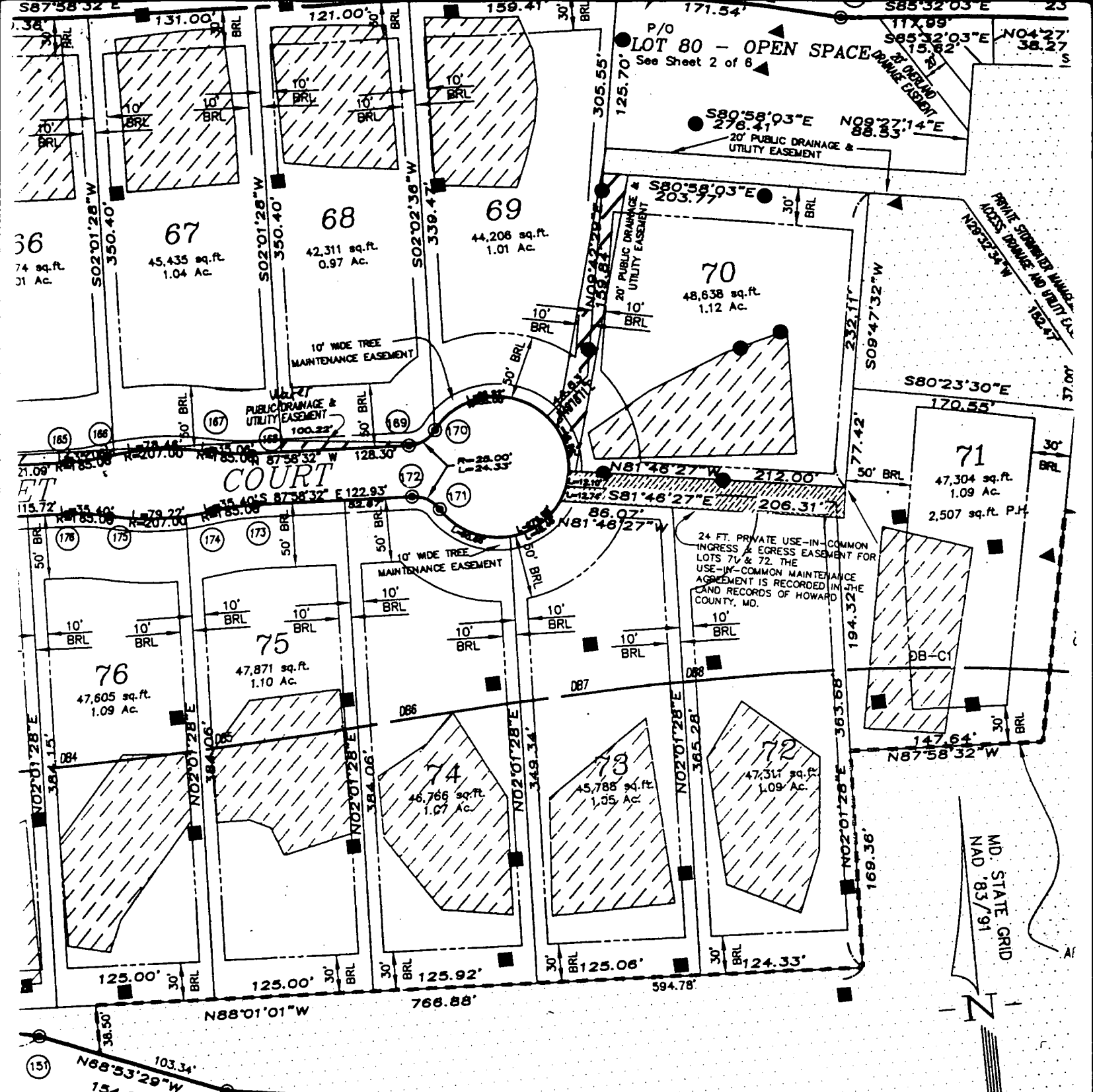
REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMullen ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



in Line Table

36	N27°02'16"E
37	S58°52'45"W
38	S10°43'19"W
39	S22°50'43"W
40	S43°24'25"W
41	S01°19'36"W
42	N50°02'00"E
43	S13°29'28"E
44	S54°43'49"W
45	S15°05'02"W
46	S03°51'48"W
47	S20°48'28"W
48	S80°45'54"W
49	N82°01'32"W
50	N08°57'09"E

Stream Buffer Line Table

SB1	37.82	N10°21'43"E
SB2	27.98	N39°18'34"E
SB3	122.45	N25°37'34"E
SB4	26.52	N51°15'16"E
SB5	148.71	N08°40'13"E
SB6	54.57	N85°08'49"E
SB7	55.45	S47°50'09"E
SB8	14.17	S80°39'13"E
SB10	28.04	S05°15'27"E
SB11	91.37	N89°08'32"E
SB12	93.22	N27°24'33"W

Wetlands Line Table

W1	33.69	S65°17'17"W	W20	82.71	S01°50'40"W
W2	146.09	S11°20'13"W	W21	64.58	S81°57'33"W
W3	150.20	S31°00'07"W	W22	75.47	S25°27'52"W
W4	47.28	S52°24'07"W	W23	16.68	N77°22'03"W
W5	148.47	S03°22'30"E	W24	104.64	N23°23'30"E
W6			W25	141.26	S1°16'51"W

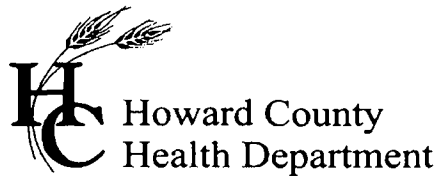
65 dBA Line Table

DB1	65.54	N83°17'19"W
DB2	78.45	N88°22'48"W
DB3	85.25	N89°46'50"W
DB4	113.96	S88°41'11"W
DB5	133.75	S87°01'38"W
DB6	158.44	S85°46'04"W

FROM	TO	RAD.	ARC.
163	165	1320.00	151.00

F.00.137
12.11.00

I-70
(PRINCIPAL ARTERIAL)



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

June 29, 2004

Oak Hill Properties, LLC
107 Loudoun Street, SE
Leesburg, VA 20175-3106

SENT VIA FAX TO 410-489-7079

RE: The Estates @ Sand Hill, Lot # 71
12029 Margaret Court
Marriottsville, MD 21104
BP# B00145472
PUBLIC WATER

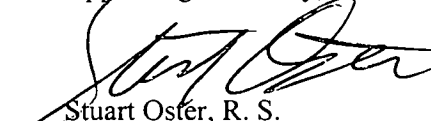
Dear Sir/Madam:

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 6/28/2004.**

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,

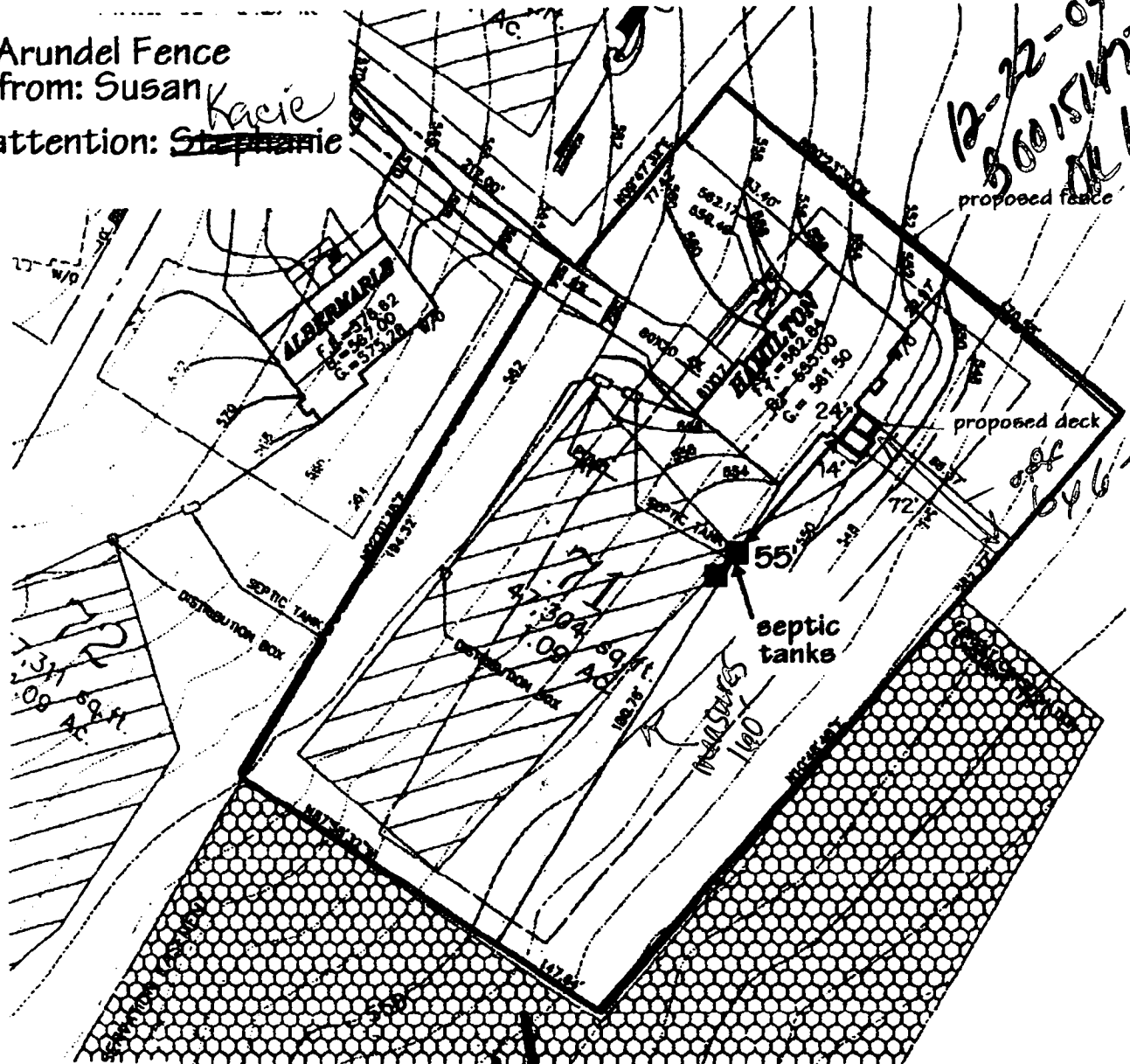


Stuart Oster, R. S.
Well & Septic Program

mlb
cc: Building Inspector's Office
File

Arundel Fence
 from: Susan Kacie
 attention: ~~Stephanie~~

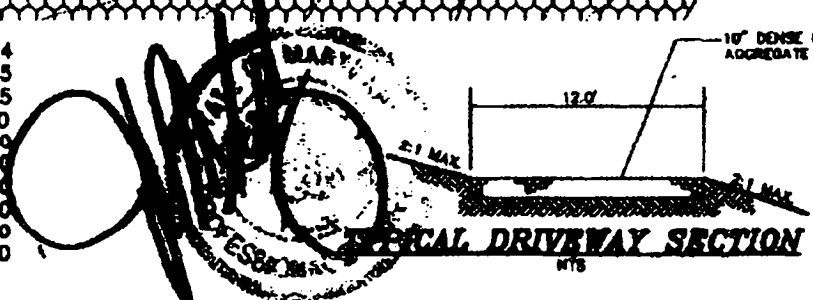
12-22-04
 800151473
 MK



- FIRST FLOOR EL. = 562.84
- INV. OUT OF HOUSE = 555.75
- INV. IN SEPTIC TANK = 555.35
- INV. OUT OF SEPTIC TANK = 555.10
- EXIST. CL. AT SEPTIC TANK = 559.00
- PROP. EL. AT SEPTIC TANK = 559.00
- PROP. EL. AT PUMP PIT = 559.00
- INV. IN PUMP PIT = 555.00
- EXIST. EL. AT DIST. BOX = 569.80
- INV. IN DIST. BOX = 555.90

G.P. # 02-14
 PLAT # 14580-14585

NO GRAVITY SEWER TO BASEMENT



THE ESTATES AT SAND HILL

PLOT PLAN LOT # 71
 12029 MARGARET COURT

SECTION DISTRICT: 3	TAX MAP: 16	HOWARD COUNTY, MARYLAND
DRAWN BY: M.M.T.	SCALE: 1"=50'	DATE: DECEMBER 14, 2003

MILDENBERG, BOENDER & ASSOC., INC.

Engineers Planners Surveyors

5572 Dorsey Hall Drive, Suite 202, Edgewater City, Maryland 21043
 (410) 997-0200 Ext. (301) 621-5637 Res. (410) 997-0200 Fax