

LAYOUT 7/29/02 10-11am INSP 4 \_\_\_\_\_  
INSP 2 7/30/02 Flu 1pm → INSP 5 \_\_\_\_\_  
INSP 3 7/30/02 INSP 6 \_\_\_\_\_

RPS# 334198

ISSUE DATE: 7/22/2002

P 517373

APPROVAL DATE: 7/30/02

A 511435-E

**PERMIT  
INDEXED**

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

Fogle's 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: 5

ADDRESS: 12017 Sandhill Manor Drive 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: 240 HOUSE SERVED BY PUBLIC WATER ☒

|           |                                                                                                                                                                                                                         |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TRENCHES: | Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe. |
| LOCATION: | Place the distribution box 5' to 10' below the midway point of the two upper corner easement stakes as shown on the building permit plan. Run trenches on contour in both directions.                                   |
| NOTES:    |                                                                                                                                                                                                                         |

PLANS APPROVED: Brian Baker DATE: 6/07/2002

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  
ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

A511435-E

A hand-drawn sketch of a trapezoidal field. The top boundary is a horizontal line with a width of 20'. The bottom boundary is a longer horizontal line with a width of 50'. The left boundary is a slanted line with a height of 5'. The right boundary is a vertical line with a height of 5'. The area is divided into two sections by a horizontal line. The top section is labeled '10' C+L' and the bottom section is labeled '10' C+L'. A vertical line segment of length 20' is shown on the right side, with a small square at the top and bottom. The text 'Lamarz Point' is written vertically along the right edge.

Sand Hill

ROAD

|                         |          |                        |
|-------------------------|----------|------------------------|
| WIDTH                   | INLET    | BOTTOM                 |
| <u>3</u>                | <u>3</u> | <u>5</u>               |
| NUMBER OF TRENCHES      |          | <u>4</u>               |
| TOTAL LENGTH            |          | <u>228'</u>            |
| ABSORPTION AREA         |          | <u>684<del>4</del></u> |
| DISTRIBUTION BOX LEVEL  |          | <u>✓</u>               |
| DISTRIBUTION BOX BAFFLE |          | <u>✓</u>               |
| DISTRIBUTION BOX PORT   |          | <u>  </u>              |

SEPTIC TANK 1 LEVEL                     

CAPACITY 1250 GAL

SEAM LOC Top

TANK LID DEPTH 1-1.5'

BAFFLES ✓

BAFFLE FILTER                     

MANHOLE LOC Center

6" PORT LOC Front

WATERTIGHT TEST                     

SEPTIC TANK 2 LEVEL                     

CAPACITY                      GAL

SEAM LOC MA

TANK LID DEPTH                     

BAFFLES                     

BAFFLE FILTER                     

MANHOLE LOC                     

6" PORT LOC                     

WATERTIGHT TEST                     

## PRE-CONSTRUCTION

PRE-CONSTRUCTION 7/29/02 Lot staked, house moved. SRA d.A. on wall  
check & RP? No effect on upper portion. Trenches installed per BP. (S)

## INSTALLATION

7/30/02 OK to correct all work (SC)

FINAL INSPECTOR

DATE OF APPROVAL \_\_\_\_\_

7/30/02



## HOWARD COUNTY HEALTH DEPARTMENT

Bureau of Environmental Health  
3525-H Ellicott Mills Drive, Ellicott City, Maryland 21043-4544  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-877-4MD-DHMH

***Penny E. Borenstein, M.D., M.P.H., Acting County Health Officer***

July 31, 2002

Oak Hill Properties, LLC  
107 Loudon Street, S.E.  
Leesburg, VA 20175-3106

RE: The Estates @ Sandhill, Lot #5  
12017 Sandhill Manor Drive  
BP# B00136359  
**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 July 30, 2002.**

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

*Steven R. Krieg*

Steven R. Krieg  
Registered Environmental Sanitarian  
Well & Septic Program

sjn  
cc: Building Inspector's Office  
File

WARFIELD JR.  
AND LAURA J. WARFIELD  
L. 1018 F. 093  
PARCEL 209  
ZONED: RR-DEO

X 639.2

# Approved Septic System Plan Howard County Health Department

ALBERMARLE

F.F.=642.00

B=633.37

G=640.00

Signature

Date

Total linear feet of trench  
required 240

Width of trench(es) 3.0

Depth of trench(es) 5.0

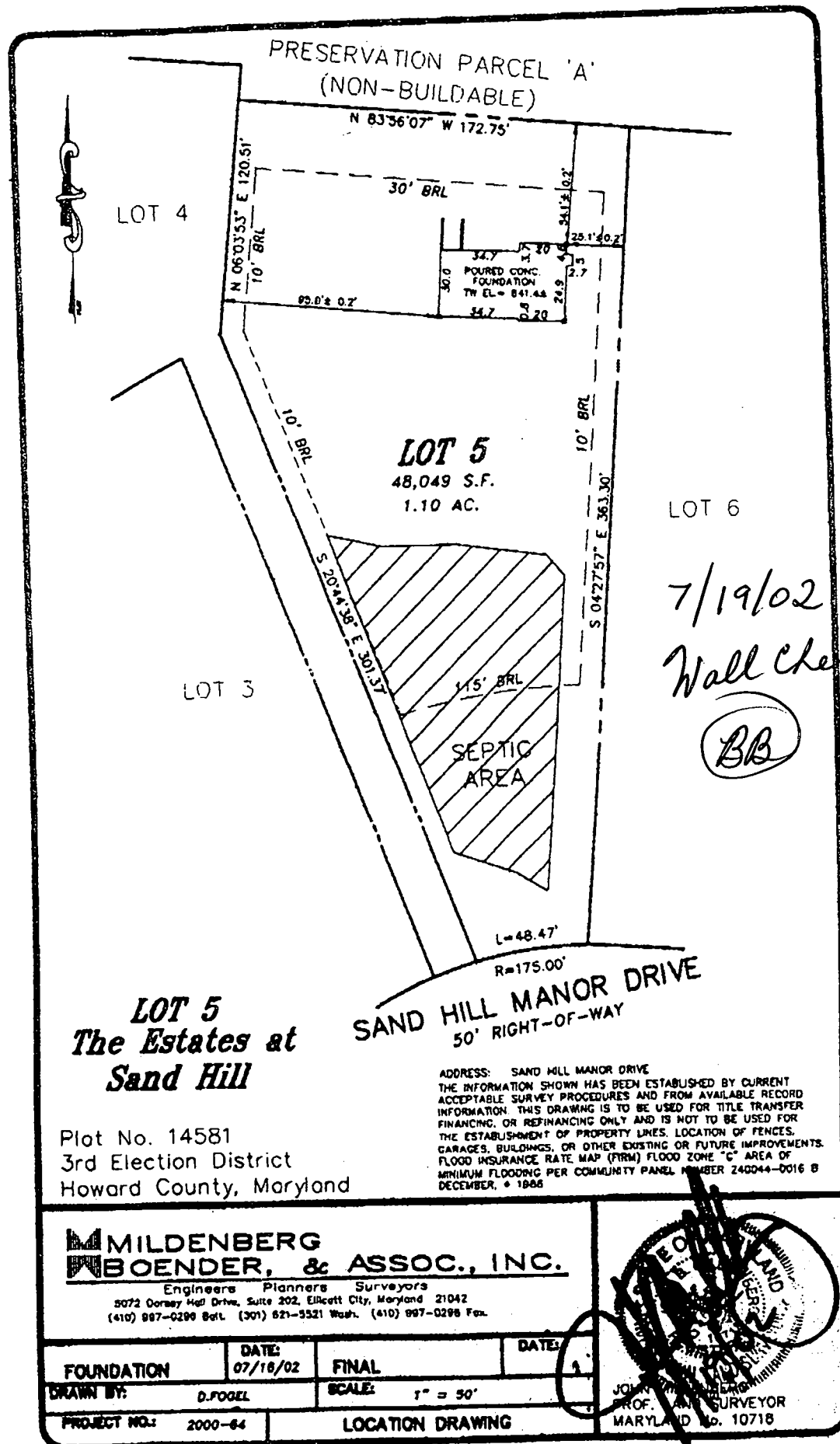
Depth of stone required  
distribution pipe 2.0

45,142 sq. ft.  
1.04 Ac.

42,481 sq. ft.  
0.98 Ac.

FIRST FLOOR EL. = 642.00  
INV. OUT OF HOUSE = 637.35  
INV. IN SEPTIC TANK = 637.05  
INV. OUT OF SEPTIC TANK = 636.80  
EXIST. EL. AT SEPTIC TANK = 639.00  
PROP. EL. AT SEPTIC TANK = 639.00

SAND HILL MANOR DRIVE



# APPLICATION

PERCOLATION TESTING

A 511435 E

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 Oak Hill Properties

ADDRESS 107 Loudoun Street, SE PHONE 703 443 0400

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION The Estates @ Sandhill LOT NO. 5

ROAD AND DESCRIPTION Sand Hill Rd

TAX MAP 16 PARCEL # 3

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

COUNTY #

SOIL PROFILE

0'

3.0

orange  
brn  
siltmor brn  
salm  
no  
rock  
some  
saprolite  
@  
bottom

14.0

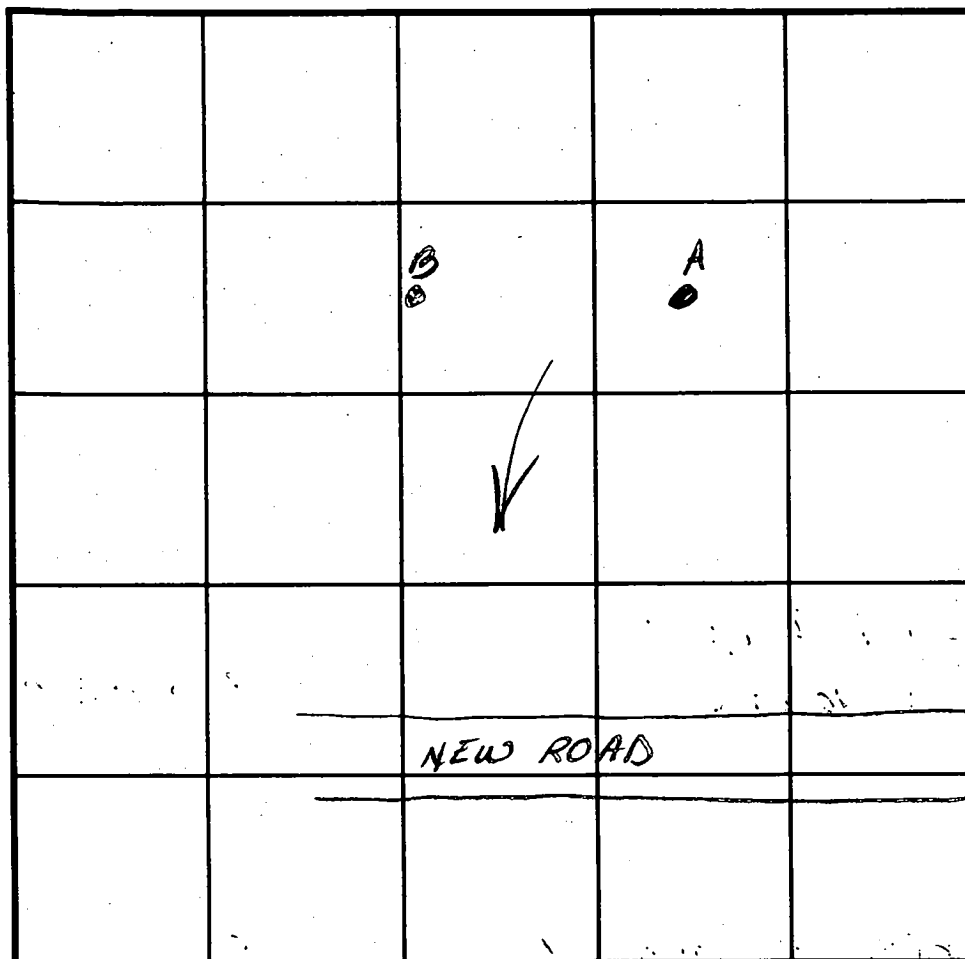
B

like  
A  
but  
grey  
decreased  
saprolite  
12-14  
not  
indicative  
of  
H<sub>2</sub>O

14.0

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 |      |
| 2/9/01 | A        | Visual | to 12.0 - see profile   |      |                |      | OK   |
|        | B        | Visual | 1 to 12.0 - see profile |      |                |      | OK   |
|        |          |        |                         |      |                |      |      |
|        |          |        |                         |      |                |      |      |
|        |          |        |                         |      |                |      |      |
|        |          |        |                         |      |                |      |      |
|        |          |        |                         |      |                |      |      |
|        |          |        |                         |      |                |      |      |
|        |          |        |                         |      |                |      |      |
|        |          |        |                         |      |                |      |      |
|        |          |        |                         |      |                |      |      |
|        |          |        |                         |      |                |      |      |
|        |          |        |                         |      |                |      |      |
|        |          |        |                         |      |                |      |      |
|        |          |        |                         |      |                |      |      |

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY

Amy McMiller

ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_

MAXIMUM BOTTOM DEPTH \_\_\_\_\_

SQ. FT./BEDROOM \_\_\_\_\_

# 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:

IBDIVISION 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

0' 3c-5b  
red  
brown  
silt  
0' Leigh  
Salm  
micaceous  
20%  
saprolite  
0' Leigh  
Salm  
30%  
mica  
saprolite  
mg  
deposits  
0'

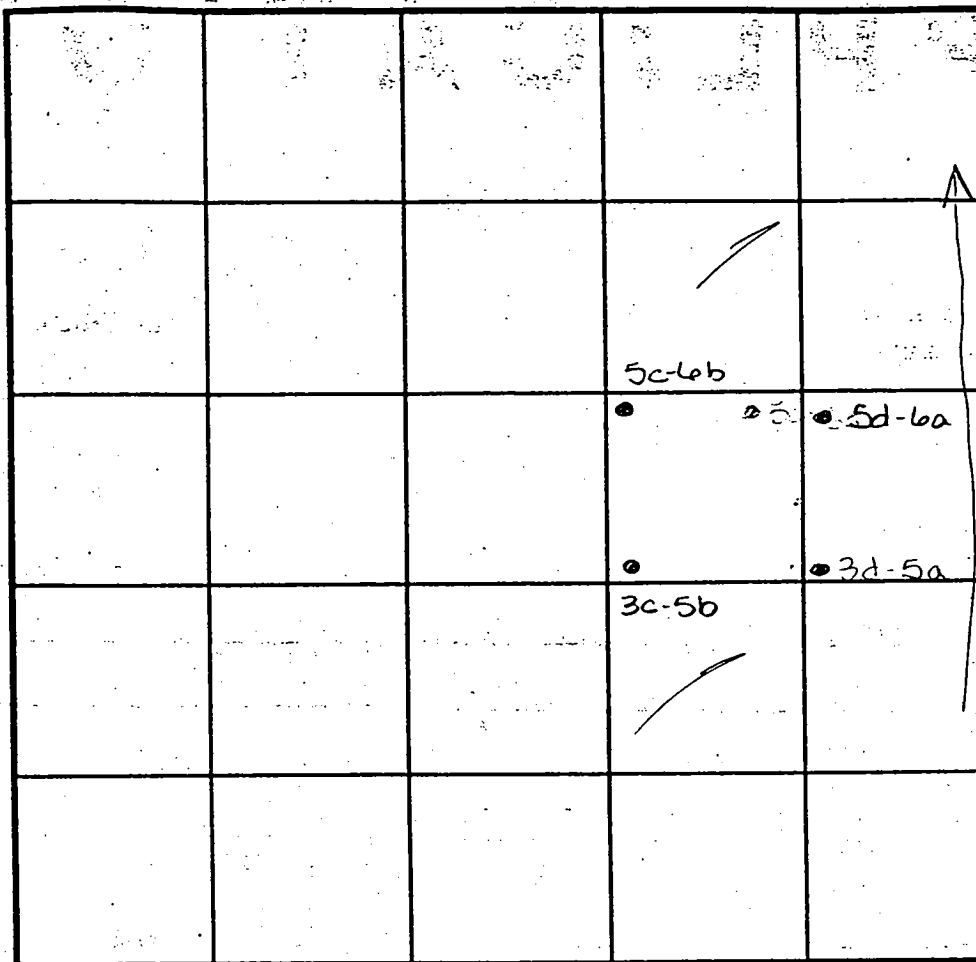
5d-6a

yellow  
orange  
silt  
0'

0' lgt  
brown  
Salm  
20%  
shale  
micaceous  
0'

5c-6b

like  
5d-6a  
but  
30%  
shale  
12.4



SOIL PROFILE

0' 3d-5a  
orange  
brown  
silt  
4.0' orange  
brown  
silt  
20%  
shale  
12.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. Sand Hill Road

| DATE   | TEST NO. | DEPTH         | PRE-WET |                     | TEST - 1" DROP      |                     | TIME      |
|--------|----------|---------------|---------|---------------------|---------------------|---------------------|-----------|
|        |          |               | START   | STOP                | START               | STOP                |           |
| 5-3-99 | 3c-5b    | 4.0<br>V12.0  | 10:25   | 10:26 <sup>30</sup> | 10:26 <sup>20</sup> | 10:28 <sup>30</sup> | 2min      |
|        |          | 8.0<br>V12.0  | 10:26   | 10:27 <sup>30</sup> | 10:27 <sup>30</sup> | 10:32               | 3 1/2 min |
|        | 5d-6a    | 4.5'<br>V12.0 | 10:47   | 10:48 <sup>30</sup> | 10:48               | 10:50               | 2min      |
|        | 5c-6b    | Visual        | to 11.0 | - see               | profile             | —                   | OK        |
|        | 3d-5a    | 4.0<br>V12.0  | 10:54   | 10:57               | 10:57               | 10:59               | 2min      |
|        |          |               |         |                     |                     |                     |           |
|        |          |               |         |                     |                     |                     |           |
|        |          |               |         |                     |                     |                     |           |
|        |          |               |         |                     |                     |                     |           |
|        |          |               |         |                     |                     |                     |           |

REMARKS

TYPE OF SOIL

TESTED BY Amy McMiller

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

JOHN GORDON  
WARFIELD JR.  
AND LAURA J. WARFIELD  
L. 1018 F. 093  
PARCEL 208  
ZONED: RR-DEO

X 639.2



FIRST FLOOR EL. = 642.00  
INV. OUT OF HOUSE = 637.35  
INV. IN SEPTIC TANK = 637.05  
INV. OUT OF SEPTIC TANK = 636.80  
PARTIAL SEPTIC TANK = 636.00

4

ALBERMARLE

FF=642.00  
B=633.37  
G=640.00

5

48,649 sq. ft.  
1.10 Ac.

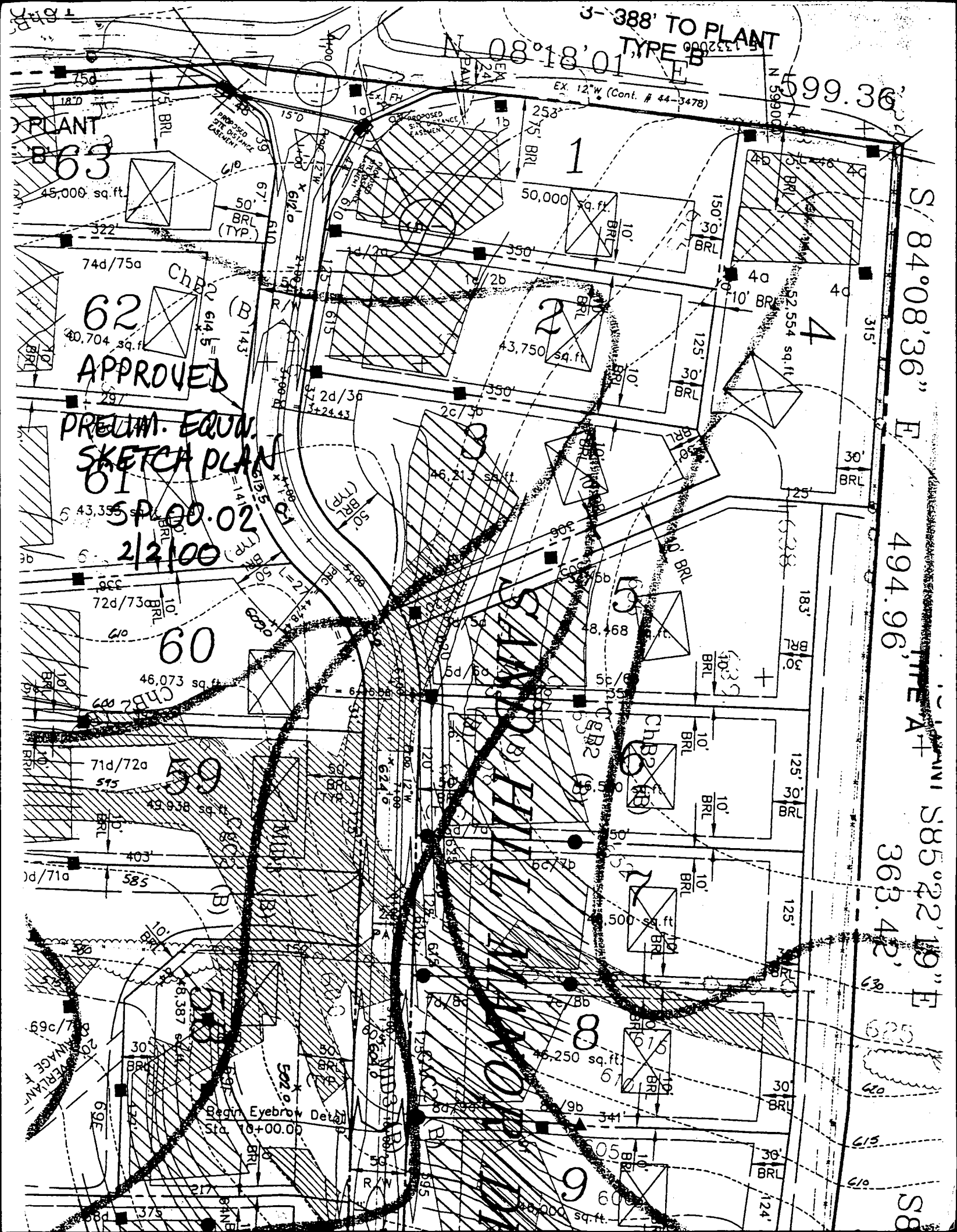
6

45,142 sq. ft.  
1.04 Ac.

3

42,461 sq. ft.  
0.98 Ac.

SAND HILL MANOR DRIVE



3-388' TO PLANT  
TYPE B

N 08°18'01" E

EX. 12' W (Cont. # 44-3478)

599.36'

PLANT  
B63

45,000 sq. ft.

62

APPROVED

PRELIM. EQUIN.  
SKETCH PLAN

SP. 00.02

2/2/00

60

46,073 sq. ft.

59

49,938 sq. ft.

SANDHILL MOUNTAIN

S 84°08'36" E

494.96'

TYPE A

S 85°22'19" E

363.42'

S 86°08'36" E

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

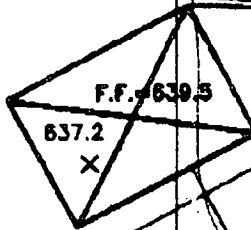
Engineers

Planners

Surveyor.

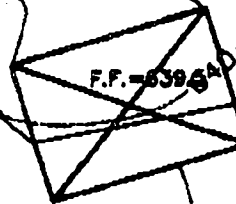
6072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 2104  
(410) 997-0298 Balt. (301) 621-6681 Wash. (410) 997-0298 Pa.  
Toll Free 877-289-4645

15.0



X 638.9

X 640.4



X 639.0



18,049 sq. ft.  
0.41 AC.

6

15,142 sq. ft.  
0.35 AC.

12,481 sq. ft.  
0.29 AC.

630

628

624

2/8/01 Relocated SDA  
looks OK - Engineer Staking  
today for reprec.

AL

PROG - 1" W

6+00

SAND

MIL

PT - 5+18.51



### Surveyors

5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 937-0296 Bk. (301) 821-5621 Wash. (410) 937-0298 Fax  
Toll Free 877-229-4545

MILDENBERG BOENDER

|            |       |            |
|------------|-------|------------|
| 02/05/2001 | 11:39 | 4109970298 |
|------------|-------|------------|

