

LAYOUT 8/22/02 10:30 INSP 4 9/24/02 10-11 & Later 10/15/02 12:00
INSP 2 9/03/02 10:30 INSP 5 9/25/02 2-3pm
INSP 3 9/21/02 10-11am INSP 6 10/11/02 10AM

ISSUE DATE: 8/14/2002

P 517416

APPROVAL DATE: 10/15/02

A 511444-H

PERMIT INDEXED

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

03-334945

South Carroll Backhoe, Inc IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: 4410 Salem Bottom Road, Westminster PHONE NUMBER: 410-875-4197

SUBDIVISION: The Estates @ Sandhill LOT NUMBER: 56

ADDRESS: 12028 Sandhill Manor Court PROPERTY OWNER: Douglas Homes, Inc.

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: 280 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 3.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box approximately 15' downhill of the highest corner easement stake as shown on the building permit plan.
NOTES:	Trenches should be 10' center to center.

PLANS APPROVED: Brian Baker OK 6/11/02 (SC) DATE: 5/07/2002

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

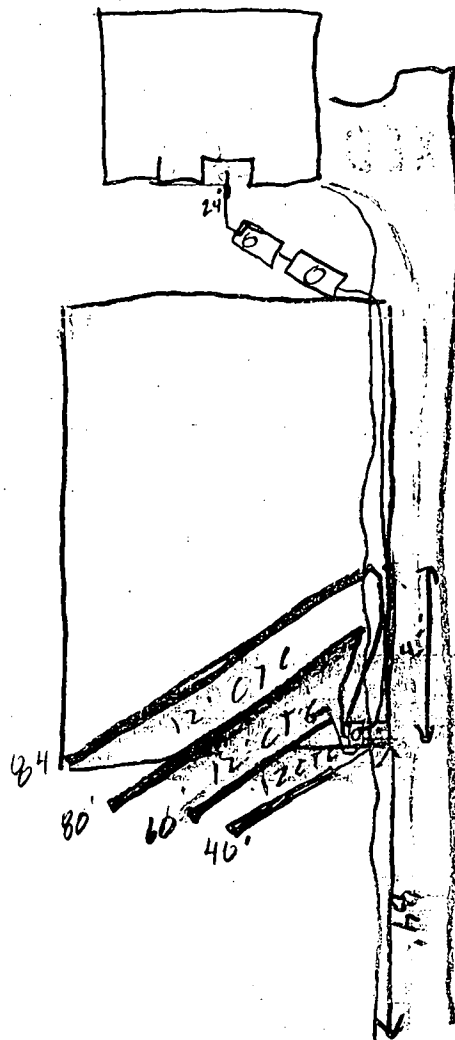
BUILDING PERMIT SIGNED 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

AND RETURNED

4/2/2003 B00140984 DECK

4511444-H

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		4
TOTAL LENGTH		264'
ABSORPTION AREA		792 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	1'
BAFFLES	☒
BAFFLE FILTER	☐
MANHOLE LOC	Front
6" PORT LOC	☐
WATERTIGHT TEST	☐
SEPTIC TANK 2 LEVEL	☒
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	1.5'
BAFFLES	☒
BAFFLE FILTER	☐
MANHOLE LOC	Center
6" PORT LOC	☐
WATERTIGHT TEST	☐

Sand Hill Manor ROAD

PRE-CONSTRUCTION 8/22/02 lot not staked, tanks set, need to contact Miss Utility (SO) 9/3/02 Elec lines in SRA met w/ builder. INSTALLATION must be relocated before starting. Water line must be skewed when less than 10' from SRA (SO) 9/24/02 Water line relocated to other side of driveway. Part of driveway in SRA & elevated. w/ll close this area. Set D.B. on top SRA line as close to drive as possible. Run 1st trench (40') completely out of area to make up lost area. (SO) 9/25/02 OK to cover all work. House comm needed. Pump & Alarm test needed (SO) 10/11/02 No electric (SO) 10/15/02 Pump & Alarm didn't (SO) 10/15/02 Alarm OK Float sensor was bad (SO) 10/15/02

FINAL INSPECTOR [Signature] DATE OF APPROVAL 10/15/02



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., County Health Officer

October 16, 2002

Douglas Homes, Inc.
P. O. Box 628
Ellicott City, MD 21041

RE: The Estates @ Sandhill, Lot # 56
12028 Sand Hill Manor Drive
BP# B00135664
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 10/15/2002.**

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
Registered Environmental Sanitarian
Well & Septic Program

sjn
cc: Building Inspector's Office
File

12028
SANDHILL
MANOR Rd

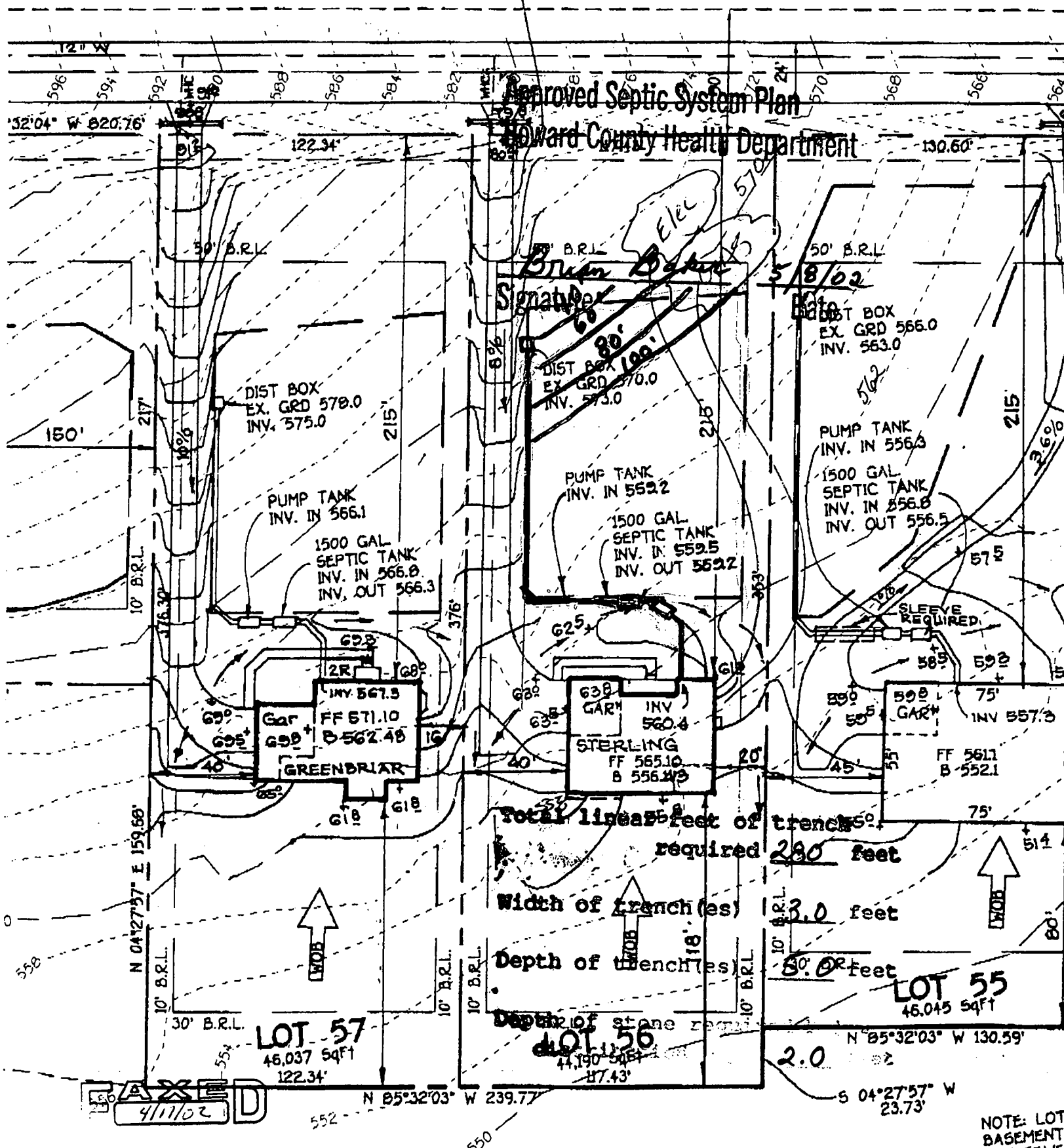
10' WIDE TREE MAINTENANCE
EASEMENT

Approved Septic System Plan Howard County Health Department

Signature

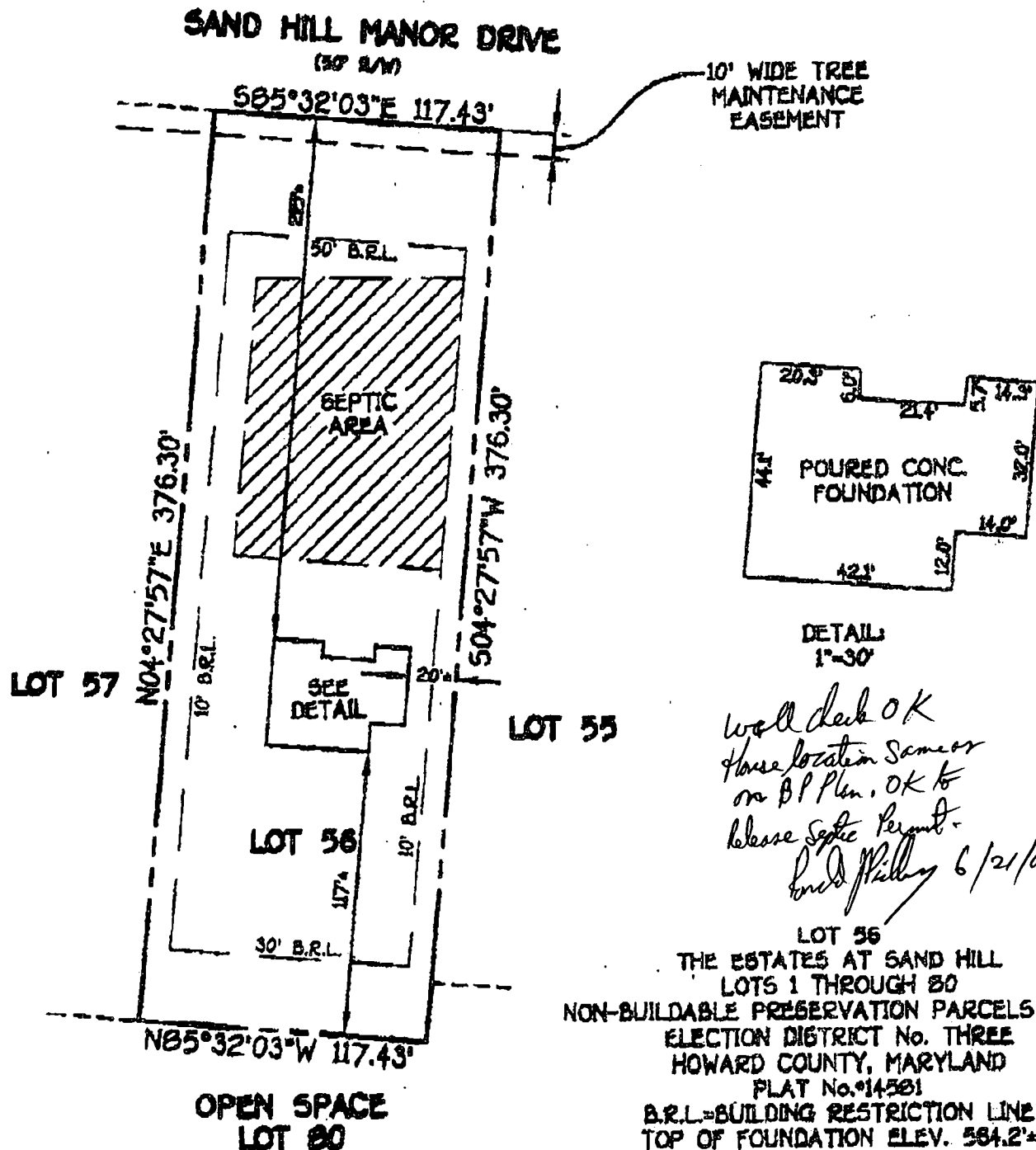
Date

5/8/02



GENERAL NOTES:

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE COMTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400410016 & EFFECTIVE DEC 4 1996.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 1' (±).
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.



**HOUSE 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

0'

68d

no
distinct
clay
layer
light
orange
silm

65c

8.0

orange &
white
decayed
feldspar
silm
maybe
H₂O

12.0

67d-68a

topsoil

1.5

orange
&
brown
mix
silm
20%
feldspar

12.0

67a-65d

red
brown
silm

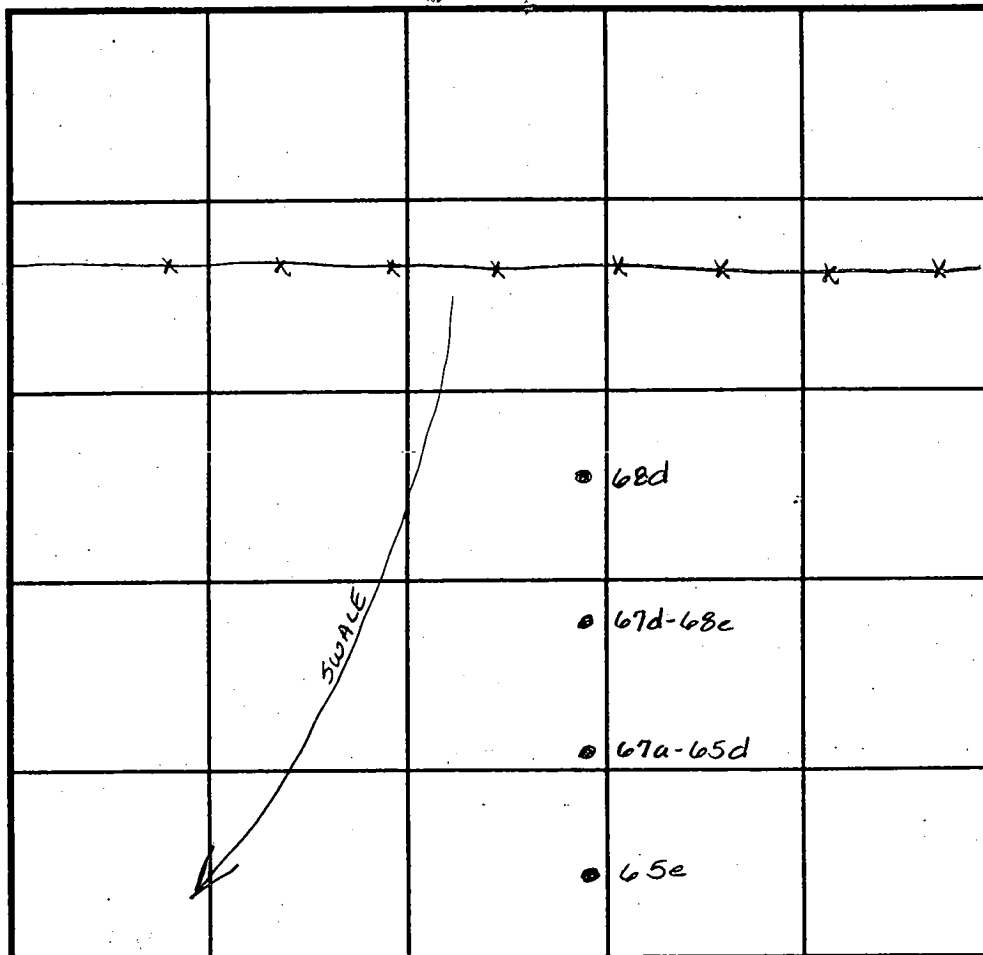
3.0

orange
brown

8.0

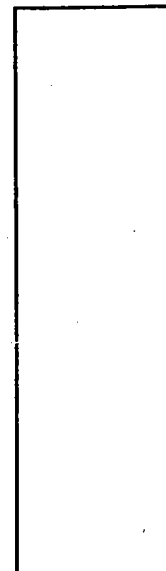
white
powdery
silm
100%
decayed
feldspar

12.0



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	
5-4-99	68d	3.5 √12.0	11:58	11:04	11:04	11:12	8min
	67d-68a	4.5 √12.0	11:16	11:19	11:19	11:23	4min
	67a-65d	3.5 √12.0	11:27	11:30	11:30	11:37	7min
	65c	4.0 √12.0	11:46	11:56	11:56	12:15	19min

REMARKS

TYPE OF SOIL

TESTED BY

Amy McMillen

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

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

THIS IS NOT A PERMIT

COUNTY#

SOIL PROFILE

0' 64c

heavy
orange
brown
Sicilm

2.0

white
&
orange
mottled
Silm
very
damp
⊙undeterminable
depth

1.0

64f

red
brown
Sicilm

1.0

red
brn
Salm
micaceous
red &
yellow
mottles
toward
the
bottom

2.0

64h

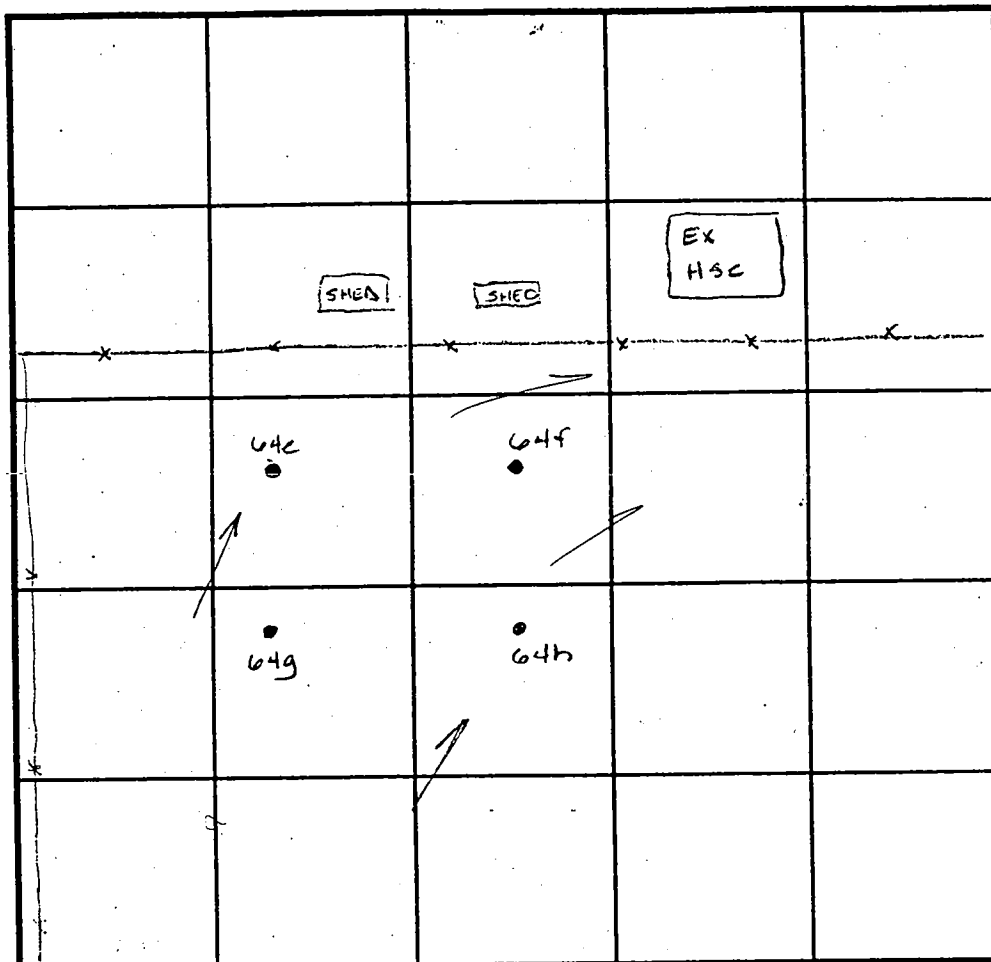
64g

dark
red
micaceous
Sisalm

3.5

dark
red
Salm
30%
shale

11.0



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	
4-14-99	✓ 64c	4.0 ✓ 11.0	12:49	12:56	12:56	1:02	6min
	✓ 64f	Visual	H ₂ O indications at unknown				
		depth -	do not use				Don't use
	✓ 64h	4.5 ✓ 11.0	1:07	1:08	1:08	1:09	1min
	✓ 64g	3.5 ✓ 12.0	1:31	1:33	1:33	1:37	4min
		7.0 ✓ 12.0	1:31	1:33	1:33	1:36	3min

REMARKS design SBA uphill of holes 64c & 64f

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

EX-115d

COUNTY #

SOIL PROFILE

LINK

dark
orange
brown
SICILUM

1gt
orange
pink
mixed
Salm
2000
miracous
shale

64M

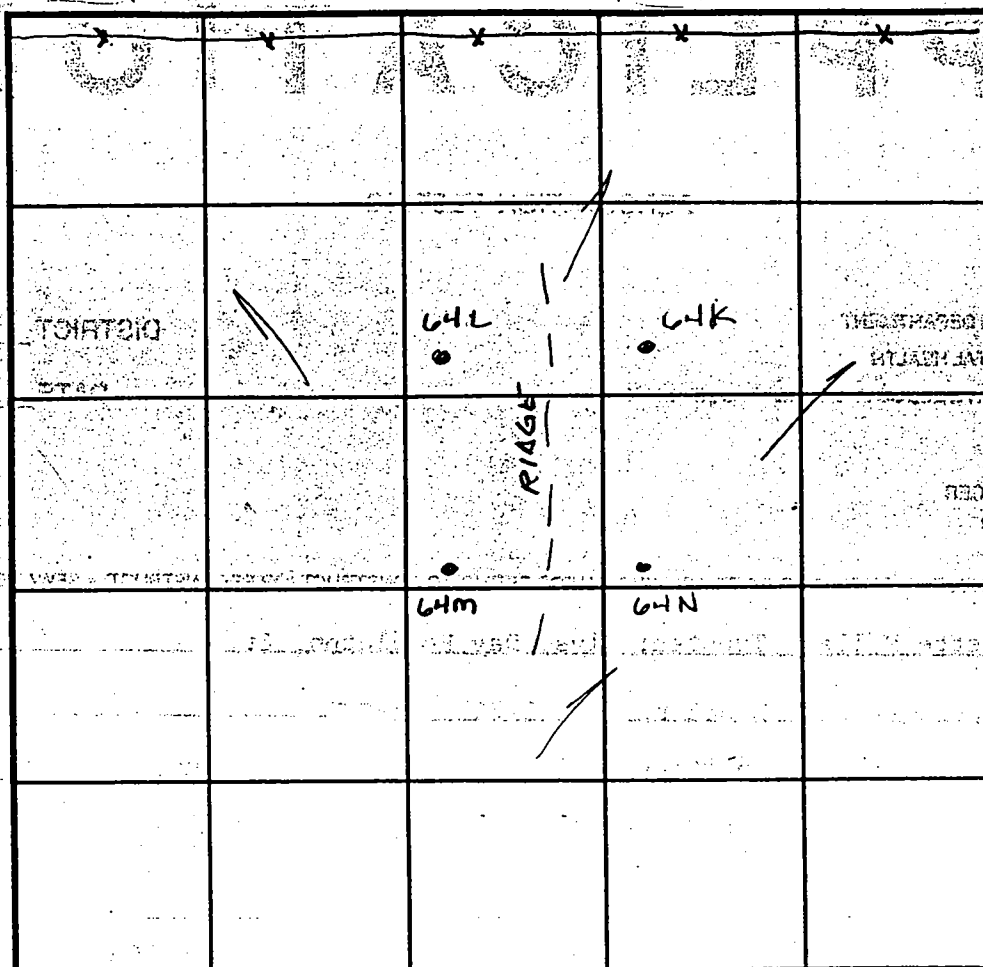
64 N

orange
brown
Sicily

lgt
orange
brn
w/ 20%
decayed
feldspar

SOIL PROFILE

0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

[illegible]

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillen

ALSO PRESENT Ketterman

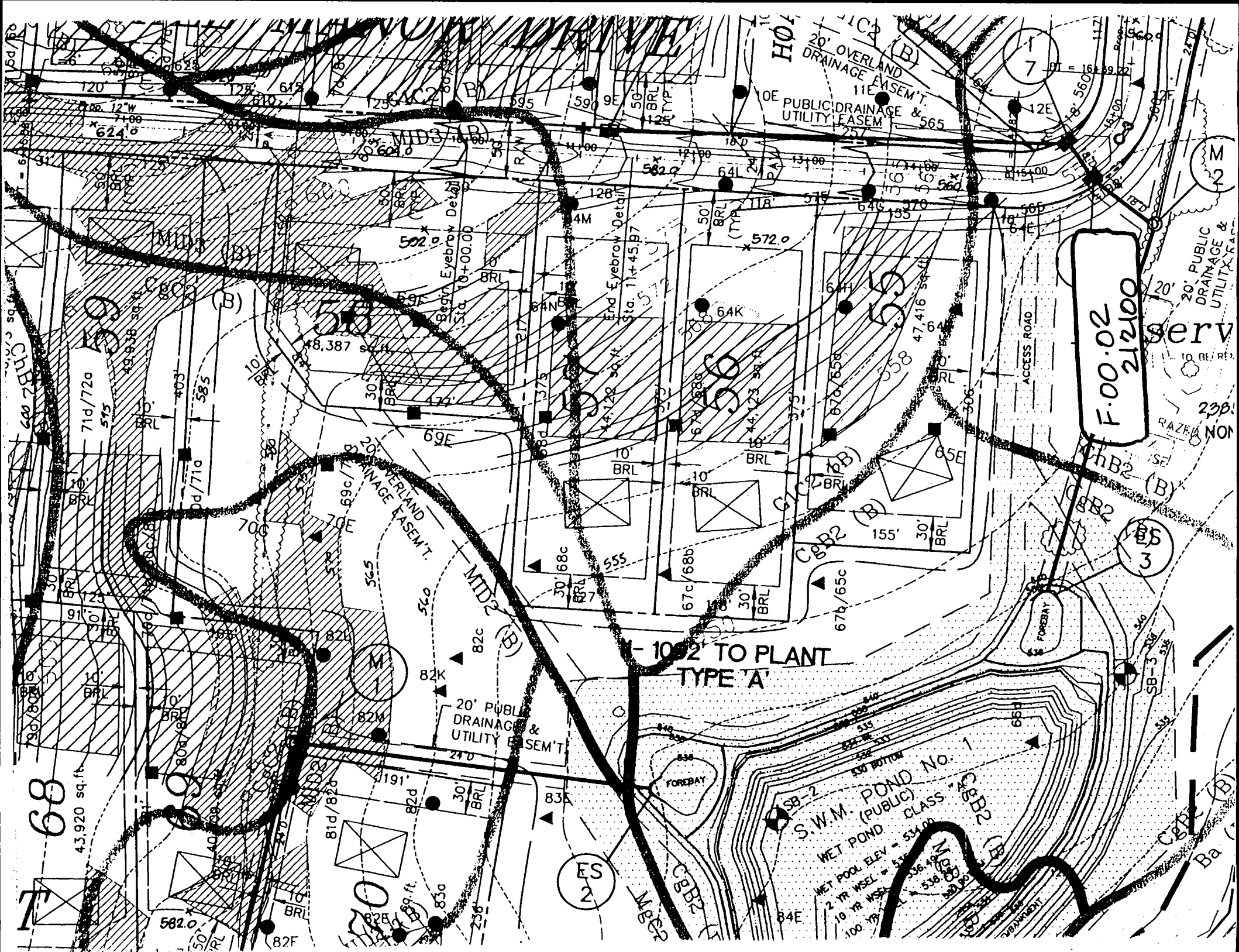
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

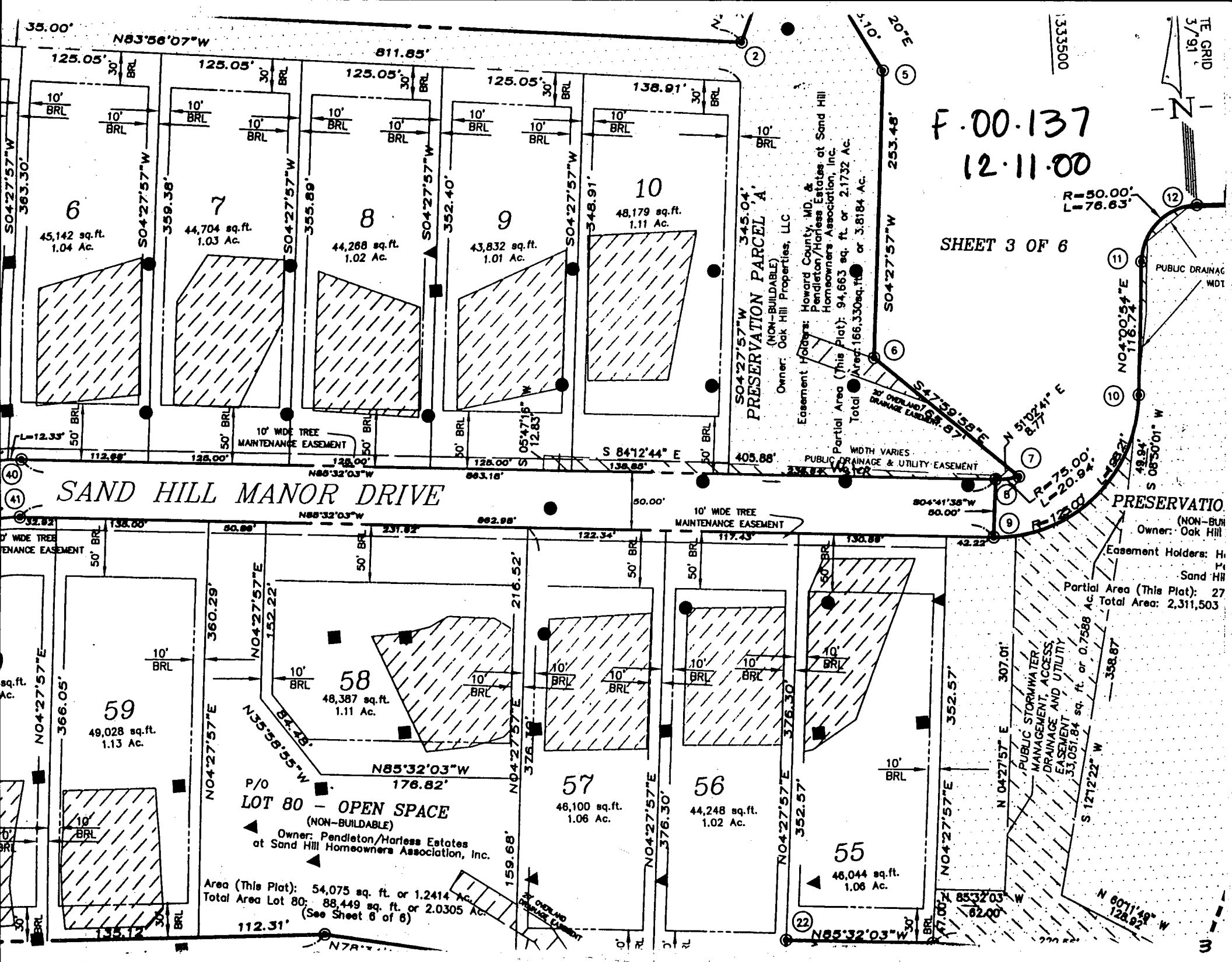
TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

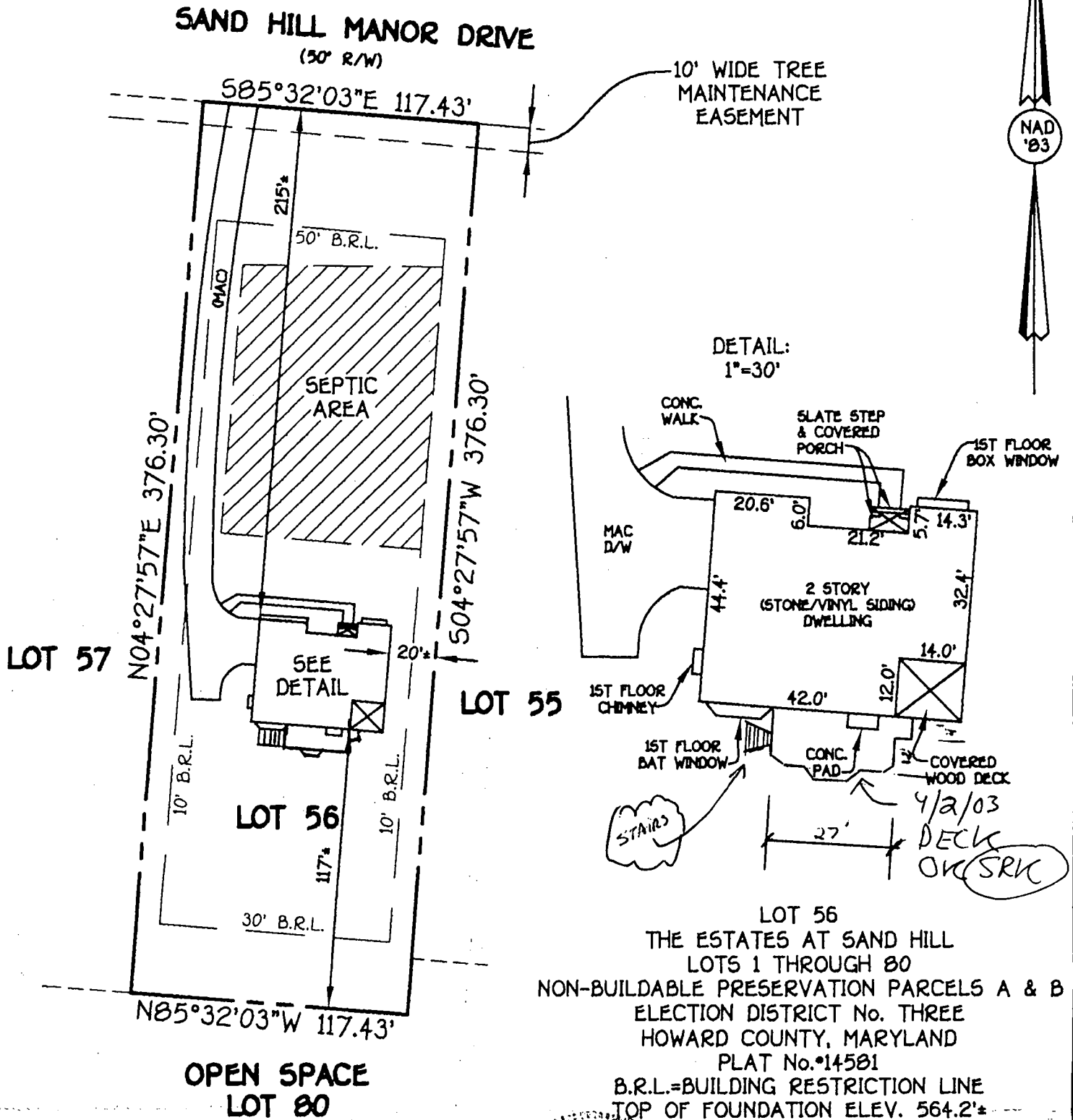
SQ. FT./BEDROOM





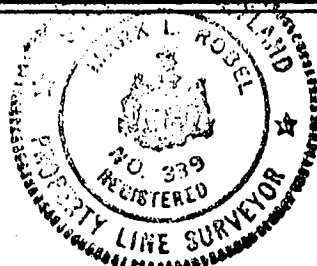
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FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461-2855



Mark L. Robel 10/14/02
PROFESSIONAL LAND SURVEYOR DATE
REG. 339

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 6/11/02
FINAL LOCATION: 10/14/02
BOUNDARY SURVEY: _____

SCALE: 1"=60'
DATE: 10/14/02
DRAWN BY: A.K.O.
CHECKED BY: M.L.R.
PROJECT No.: 61646