

LAYOUT 8/22/02 10:30 A INSP 4 9/9/02 1:30-2
INSP 2 9/3/02 10:30 INSP 5 _____
INSP 3 9/6/02 2-2:30 INSP 6 _____
ISSUE DATE: 8/2/2002

APPROVAL DATE: 9/9/02

PERMIT

INDEXED

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

03-335011

P 517392

A 511444-N

SOUTH CARROLL BACKHOE

IS PERMITTED TO

INSTALL ☒ ALTER ☐

ADDRESS: 4410 SALEM BOTTOM RD

PHONE NUMBER: 410-875-4197

SUBDIVISION: The Estates @ Sandhill

LOT NUMBER: 62

ADDRESS: 12004 Sand Hill Manor Drive

PROPERTY OWNER: Douglas Home, Inc.

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: 240

LINEAR FEET OF TRENCH REQUIRED: 240

HOUSE SERVED BY PUBLIC WATER ☒

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 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 about 20' downhill of the highest corner easement stake. As shown on the building permit plan.
NOTES:	Trenches should be 10' center to center. <i>Need to ver. fg contour.</i>

PLANS APPROVED:

Brian Baker

OK 6/20/02 (SC)

DATE:

5/20/2002

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

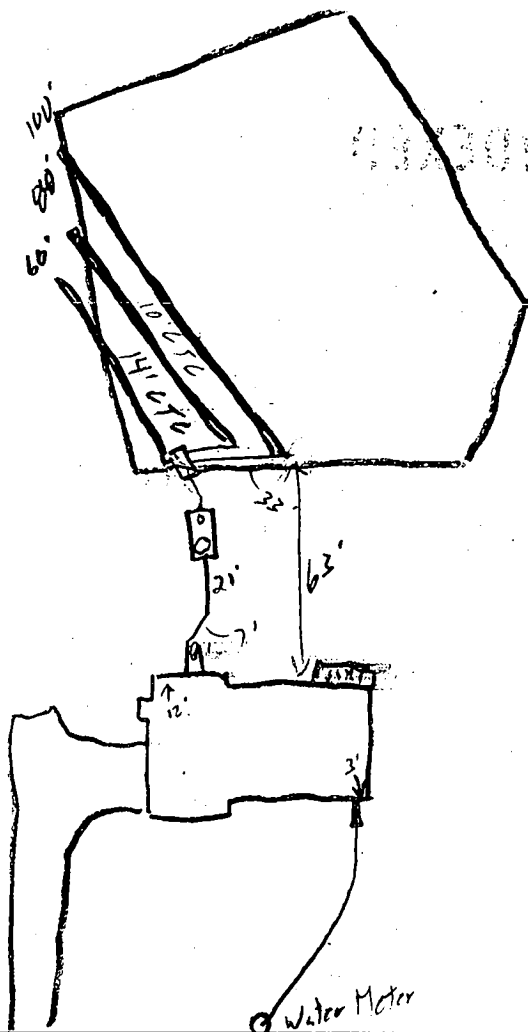
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

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**

4511444-N

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3.5'	5.5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		240'
ABSORPTION AREA		720 sq ft
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	Back
WATERTIGHT TEST	—
SEPTIC TANK 2 LEVEL	—
CAPACITY	— GAL
SEAM LOC	—
TANK LID DEPTH	—
BAFFLES	—
BAFFLE FILTER	—
MANHOLE LOC	—
6" PORT LOC	—
WATERTIGHT TEST	—

Sandhill Manor ROAD

PRE-CONSTRUCTION 8/22/02 Lot not staked, tank set (SC) 9/3/02 Layout
 per R.P. (SC)
 INSTALLATION 9/6/02 Plumbed to tank, OK to cover (SC)
 9/9/02 1 1/2 trenches installed (SC)
 9/9/02 OK to cover all work (SC)

FINAL INSPECTOR *[Signature]* DATE OF APPROVAL 9/9/02



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., Howard County Health Officer

September 9, 2002

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

RE: The Estates @ Sandhill, Lot # 62
12004 Sand Hill Manor Drive
BP# B00135942
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 9/09/2002.**

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

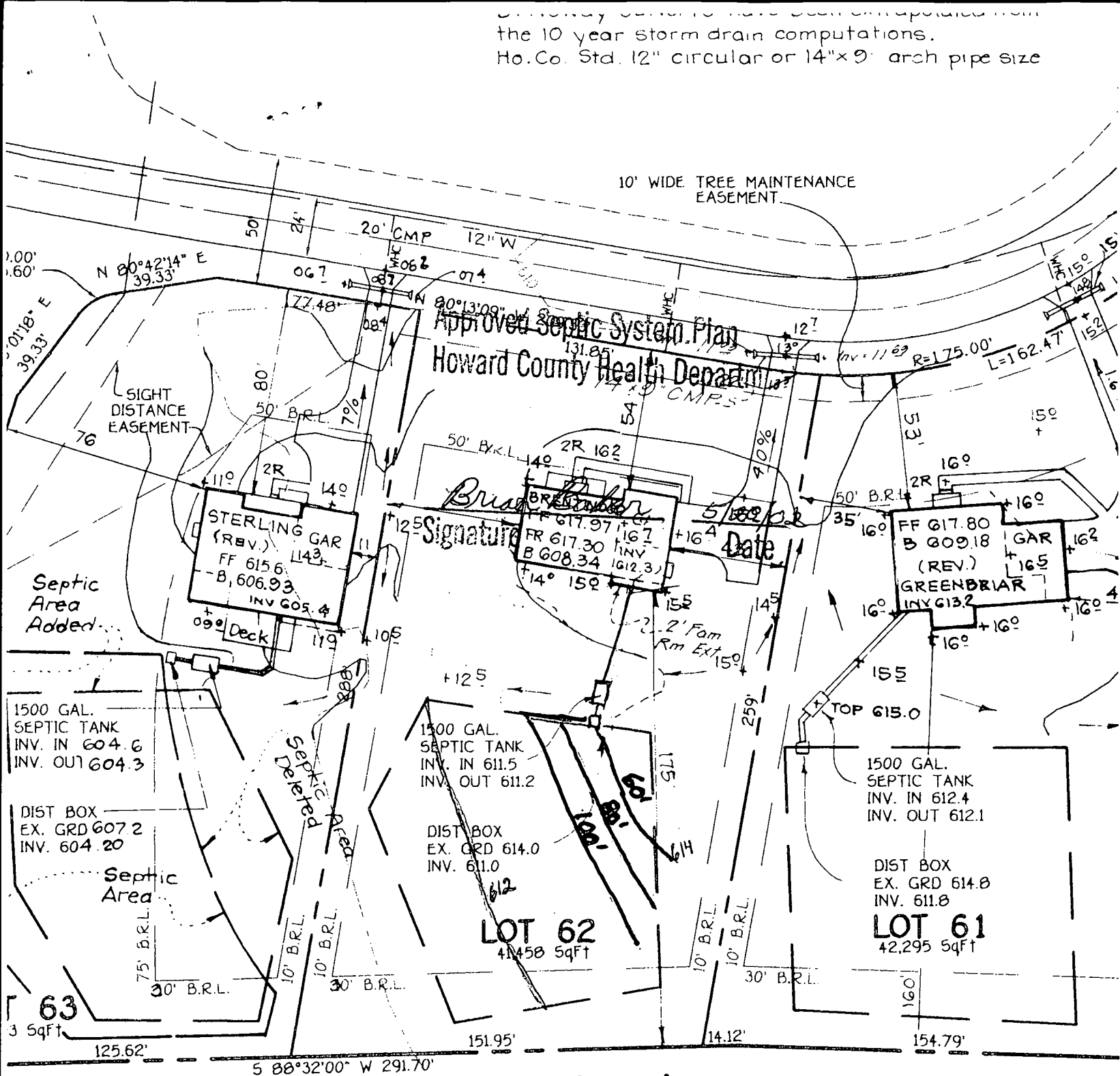
By issuance of this letter, this office recommends release of the Use and Occupancy permit for the referenced property.

Approving Authority

Steven R. Krieg
Registered Environmental Sanitarian
Well & Septic Program

sjn
cc: Building Inspector's Office
File

the 10 year storm drain computations.
Ho.Co. Std. 12" circular or 14"x9" arch pipe size



Total linear feet of trench
required 240 feet

Width of trench(es) 3.0' feet

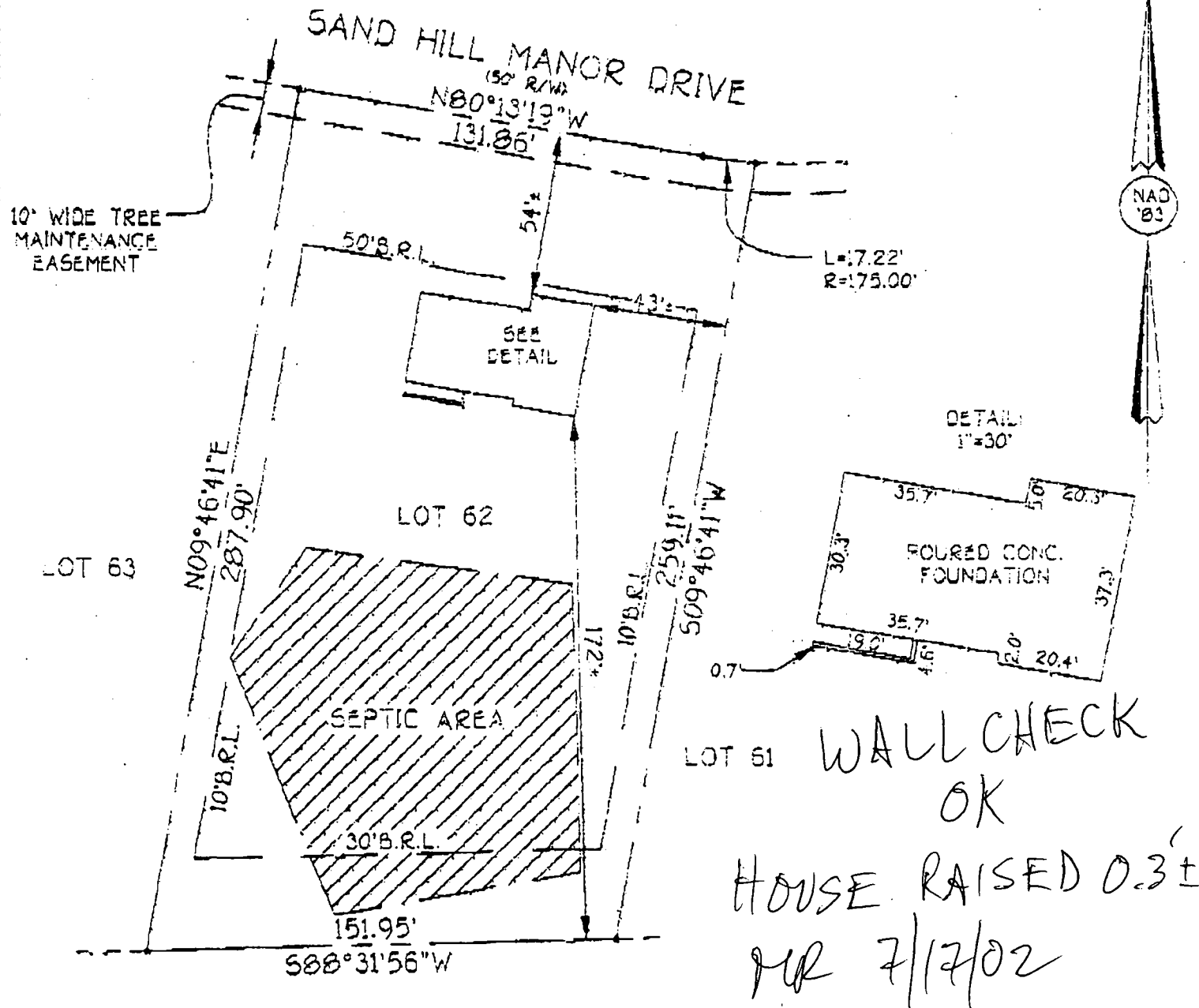
Depth of trench(es) 5.5' feet

Depth of stone required below
distribution pipe 2.0' feet

NOTE: LOT 61
BASEMENT WILL
NOT SEWER BY
GRAVITY

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. 2400440016 B EFFECTIVE DEC. 4, 1985.
- 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.



LOT 62
THE ESTATES AT SAND HILL
LOTS 1 THROUGH 60
NON-BUILDABLE PRESERVATION PARCEL A, & B
ELECTION DISTRICT No. 3 HOWARD COUNTY, MARYLAND
PLAT No. 14501
B.R.L.=BUILDING RESTRICTION LINE
TOP OF FOUNDATION ELEV. 517.3'

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
Oak Hill Properties, LLC

COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. 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

75d 75c-76c
76d-77alg+brn
SiCLMbright
red
SiCLMlg+
red
SiSaLM

74d-75a

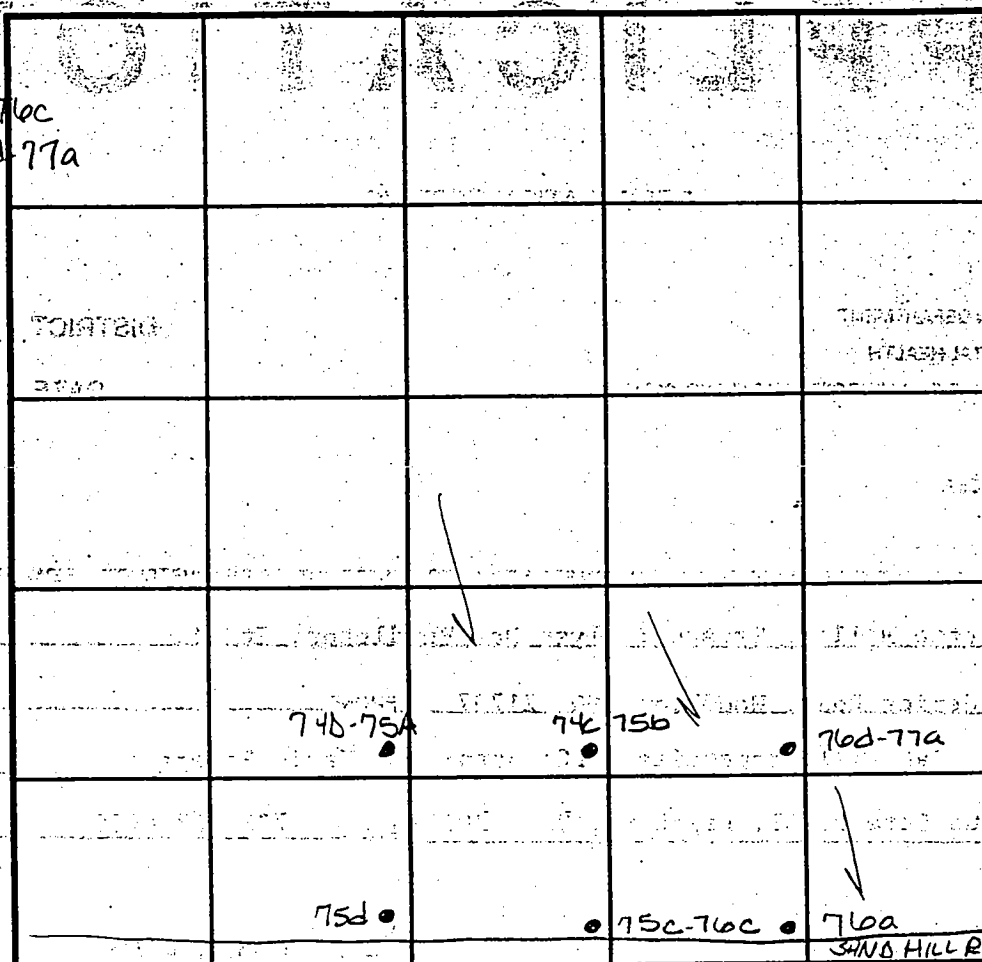
bright
red
SiCLMlg+
brown
SiSaLM
20%
Shale
micacas

76a

dark
brown
SiCLM
20%
large
R_x fragsorange
brown
SiLM
20%
Shale

SOIL PROFILE

74c-75b

bright
red
SiCLMorange
brn
matrix
pockets
of red &
yellow
mottled
SiLM
not H₂O
100% lg
rock
frags

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-3-99	75d	5.0 V12.0	12:47 ³⁰	12:50	12:50	1:02	12min
	74d-75a	Visual	to 12.0	-see profile	—	—	OK
	75c-76c	4.5 V12.0	1:06	1:12	1:12	1:22	10min
	76a	5.5 V12.0	1:11	1:15	1:15	1:20	5min
	76d-77a	Visual	to 12.0	-see profile	—	—	OK
	74c-75b	4.5 V12.0	1:25	1:33	1:33	1:42	9min
		8.5 V12.0	1:27	1:29	1:29	1:31	2min

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 _____

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BUREAU OF ENVIRONMENTAL HEALTH

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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

73d-74a

orange
brown
SiCLMred
&
yellow
SiLM
mottled,
not
H₂O

77d-78a

dark red
brown
SiCLMred
brown
SiSaLM
< 5%
rock

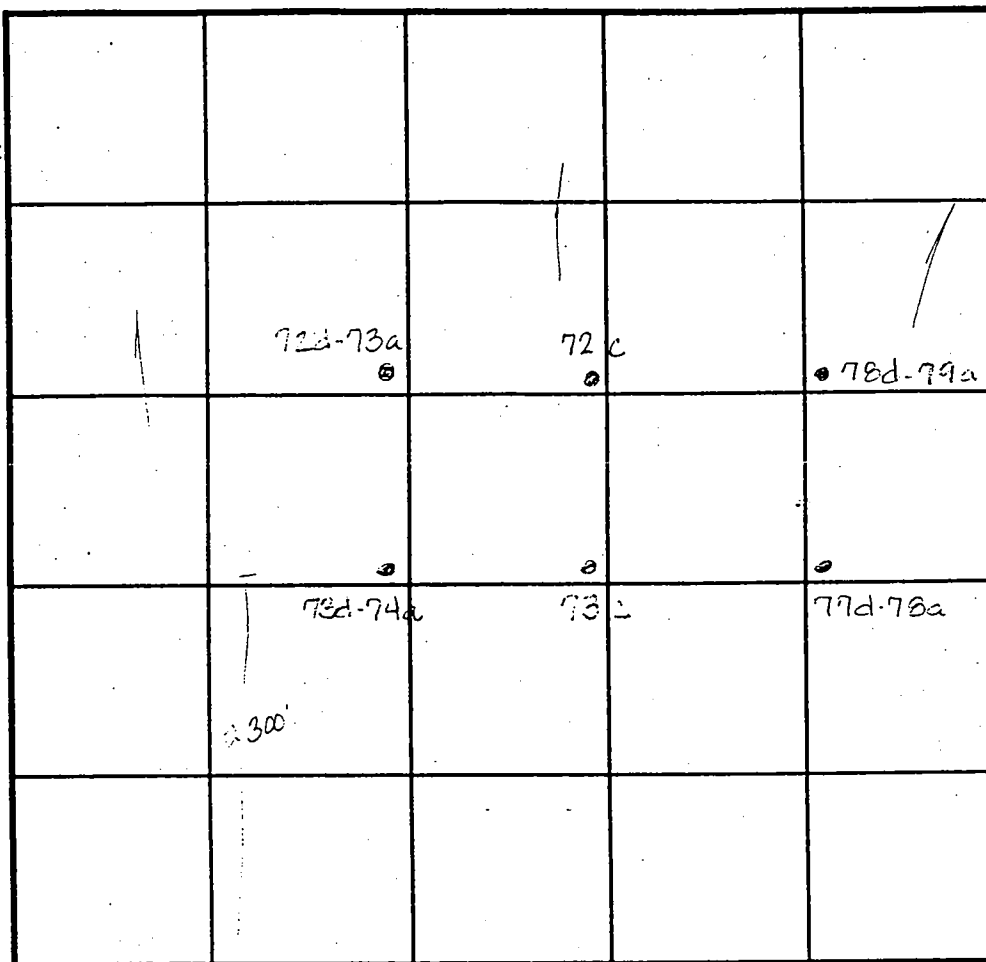
72d-73a

78d-79a

orange
brown
SiCLMbeign
SiSaLM
micaceous
10%
caprolite
horizontal
strike

SOIL PROFILE

72c

red brn
SiCLMorange
brn
SiLMlgt
brown
SiSaLM
micaceous
< 5%
shale

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. Sand hill Rd

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-5-97	73d-74a	4.0 V12.0	1:39	1:41	1:41	1:43	2min
	73c	4.0 V12.0	1:47	1:48	1:48	1:52	4min
	77d-78a	4.0 V12.0	1:54	1:58	1:58	2:02	4min
	78d-79a	Visual	to 12.0	-sec	profile	—	OK
	72c	4.5 V12.0	2:08	2:09	2:10	2:11	1min
		3.5 V12.0	2:09	2:10	2:10	2:11	1min
	72d-73a	Visual	to 12.0	-sec	profile	—	OK

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillan

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

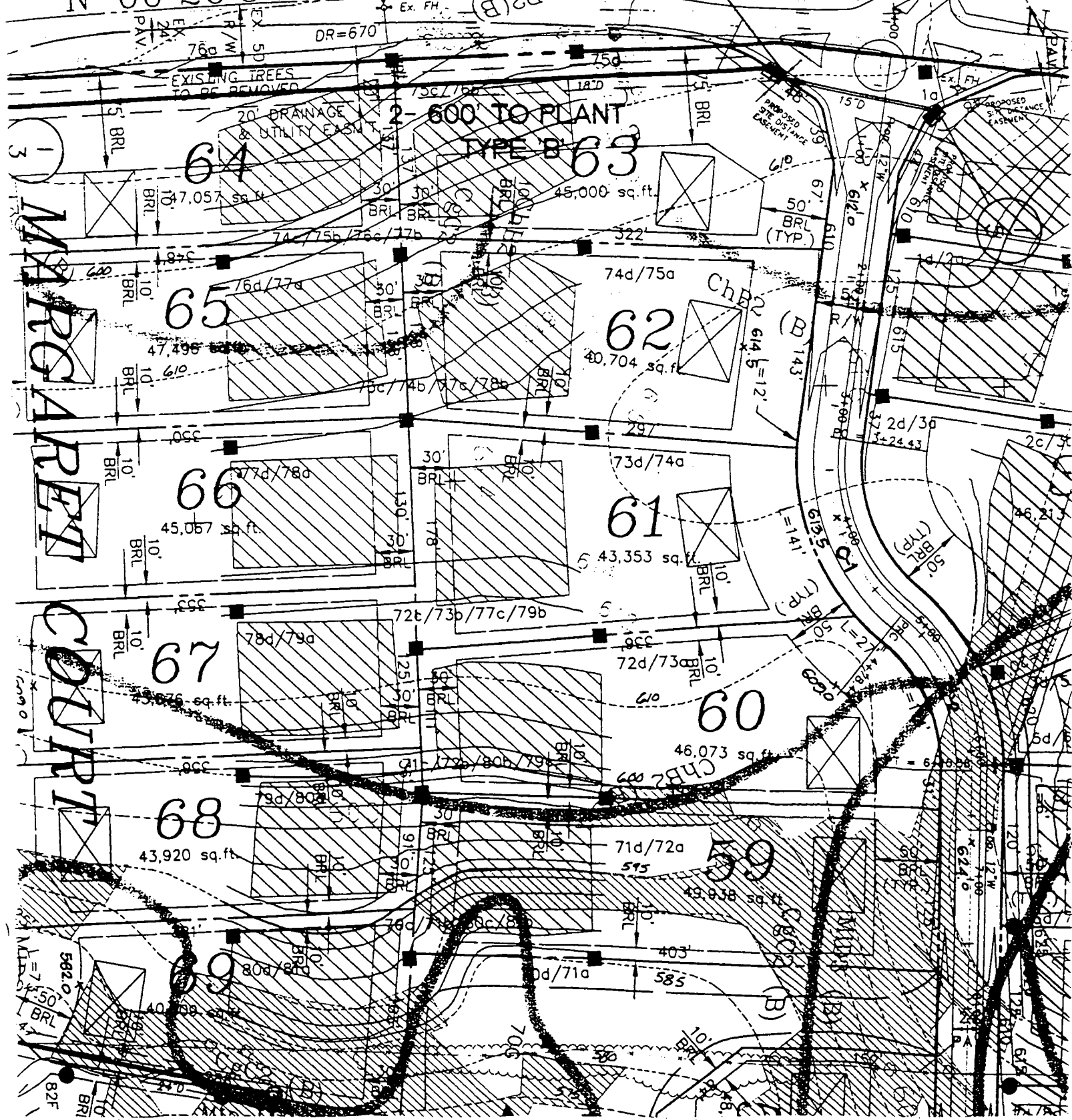
INLET DEPTH

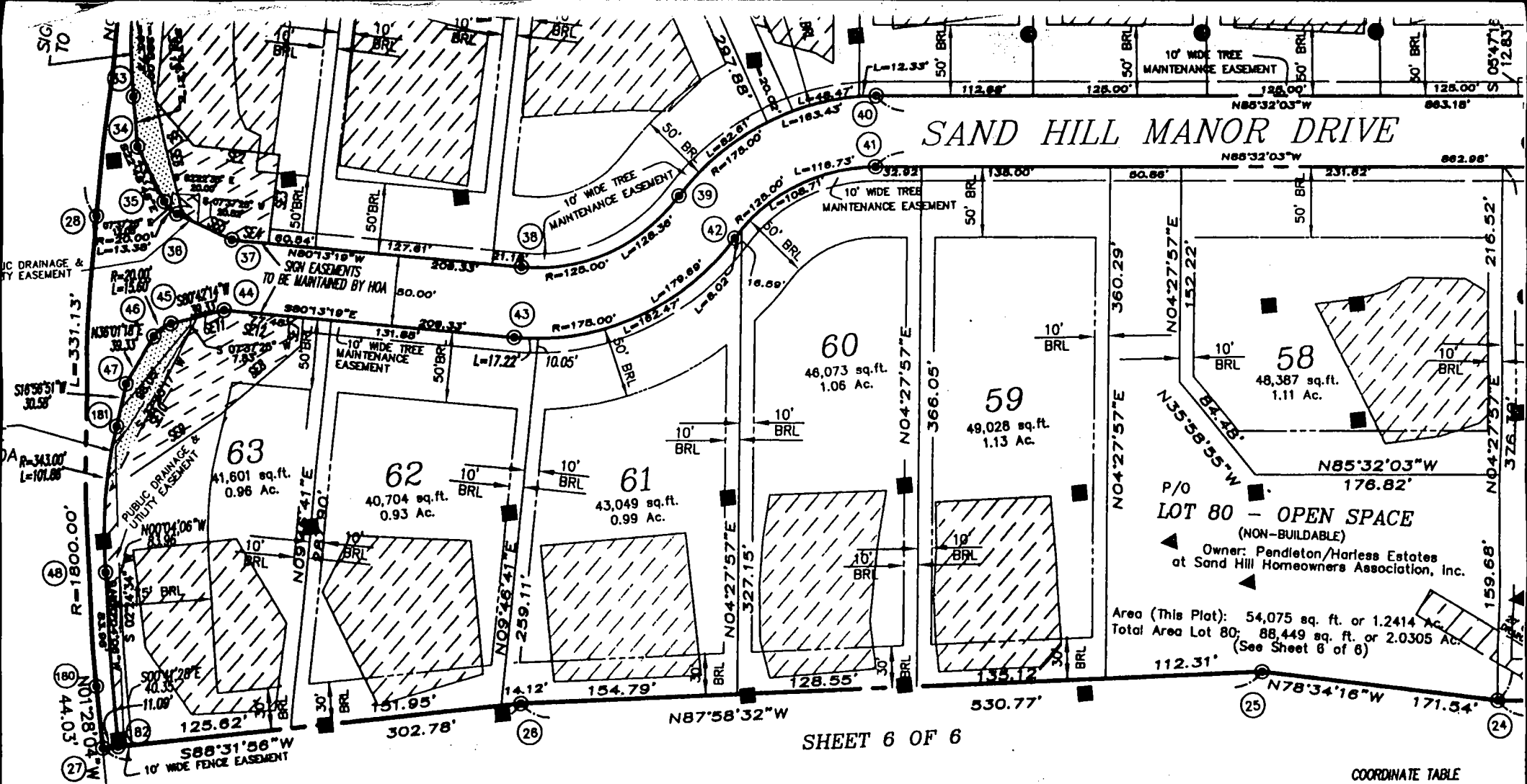
MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

(MINOR COLLECTOR)

N 00°26'54" W 666.91





LOT TABULATION

AND/OR PARCELS - 22
- 19

Open Space - 1

Preservation Parcel - 0

Preservation Parcels - 2

LOTS AND/OR PARCELS - 29.6563 Ac.
- 19.9855 Ac.

Open Space - 1.2414 Ac.

Preservation Parcels This Plat:

Table Preservation Parcel A - 2.1732 Ac.

Table Preservation Parcel B - 6.2562 Ac.

AD RIGHT-OF-WAY - 2.0189 Ac.

or Drive - 1.7085 Ac.

F.00.137
12.11.00

CURVE DATA

FROM	TO	RAD	ARC	DELTA	TAN	CHORD BEARING-DIST.
7	8	75.00	20.94	15°59'57"	10.54	S 86°59'12" W - 20.87'
9	10	125.00	198.21	90°51'15"	126.88	N 49°26'31" E - 178.09'
11	12	50.00	76.63	87°48'38"	48.13	S 47°55'12" W - 69.35'
14	15	55.00	36.95	38°29'40"	19.20	N 87°51'57" W - 36.26'
17	18	280.00	53.71	10°59'24"	26.94	S 82°40'46" E - 53.63'
108	28	1800.00	331.13	10°32'24"	166.03	S 03°48'08" W - 330.66'
29	1	750.00	65.87	05°01'57"	32.96	S 11°35'19" W - 65.85'
30	31	739.76	46.25	03°34'57"	23.13	S 10°51'49" W - 46.25'
32	33	285.00	63.73	12°48'41"	32.00	S 02°40'00" W - 63.59'
35	36	20.00	13.38	38°20'04"	6.95	S 41°58'50" E - 13.13'
38	39	125.00	128.36	58°50'01"	70.48	N 70°22'31" E - 122.79'
39	40	175.00	163.43	53°30'26"	88.22	N 67°42'44" E - 157.55'
41	42	125.00	116.73	53°30'26"	63.02	S 67°42'44" W - 112.54'

COORDINATE TABLE

PT#	NORTH	EAST	PT#	NORTH
1	599091.44	1332087.94	26	598233.1
2	598970.60	1333225.29	27	598225.4
3	599040.62	1333253.63	28	598599.3
4	599019.97	1333304.66	29	599026.9
5	598938.08	1333348.95	30	599090.3
6	598685.37	1333329.21	31	599025.3
7	598574.38	1333452.47	32	598744.8
8	598573.28	1333431.62	33	598681.3
9	598523.45	1333427.53	34	598646.2
10	598639.24	1333562.84	35	598605.9
11	598755.70	1333571.01	36	598596.1
12	598802.17	1333622.48	37	598575.0
13	598800.90	1333662.55	38	598539.5
14	598771.07	1333738.73	39	598580.7
15	598769.72	1333774.96	40	598640.4
16	598799.26	1333870.90	41	598590.6
17	598797.75	1333918.38	42	598547.9
18	598790.91	1333971.57	43	598490.2
19	59870.93	1333779.41	44	598525.7
20	598122.11	1333776.11	45	598519.4
21	598175.23	1333357.99	46	598511.4
22	598185.40	1333277.70	47	598474.7

PUBLIC DRAINAGE &
UTILITY EASEMENT

64

50,658 sq.ft.
1.16 Ac.

009

65

44,163 sq.ft.
1.01 Ac.
019

66

44,174 sq.ft.
1.01 Ac.

63

41,681 sq.ft.
0.96 Ac.

62

40,704 sq.ft.
0.93 Ac.

61

43,049 sq.ft.
0.99 Ac.

F.F.=613.3

F.F.=616.5

F.F.=617.0

SALES
TRAILER OK
10/21/01

PC

614.87

614.87

614.87

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