

LAYOUT 11/20/02 1:30 INSP 4 Need pump test
INSP 2 12/2/02 2-3pm INSP 5 1/17/03 1:00
INSP 3 12/3/02 2:30 INSP 6 _____

ISSUE DATE: 10/7/2002

APPROVAL DATE: 1/17/03

P 517948

A 511444-G

PERMIT

INDEXED

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

03-334937

South Carroll Backhoe IS PERMITTED TO INSTALL ☒ ALTER ☐

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

SUBDIVISION: The Estates @ Sandhill LOT NUMBER: 55

ADDRESS: 12032 Sandhill Manor Court PROPERTY OWNER: Douglas Homes, 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: 180

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 3.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box as shown on the approved site plan. Run trenches on contour.
NOTES:	Sleeve septic pump line under driveway. There is no basement service by gravity.

PLANS APPROVED: Steven R. Krieg DATE: 8/08/2002

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 AND RETURNED
10-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

7-2-03 800142787-DECK

511444G

Hand-drawn sketch of a ship's hull cross-section. The drawing includes the following elements:

- Top Section:** A rectangular structure at the top left, possibly a superstructure or deck area.
- Measurements:**
 - Vertical measurements on the left: $+13'$, $+8'$, $2'$, and $3'$.
 - Horizontal measurement at the top right: $8' 5"$ from depth pressure line.
 - Vertical measurement on the right side: $5'$.
 - Vertical measurement on the right side: $167'$.
 - Vertical measurement on the right side: $30'$.
 - Vertical measurement on the right side: $15'$ long.
 - Horizontal measurement at the bottom left: $15'$.
 - Horizontal measurement at the bottom right: $50'$ and $20'$.
- Labels:**
 - $12' \pm$ and $12' \pm$ (twice) near the bottom center.
 - $80'$ near the bottom left.
 - $95'$ near the bottom left.
 - $D. box$ near the bottom right.
- Other Features:**
 - A curved line representing the hull shape.
 - A dashed line on the right side.
 - A small circle or dot near the top right.

ROAD

WIDTH	INLET	BOTTOM
<u>3</u>	<u>3 1/2</u>	<u>5 1/2</u>
NUMBER OF TRENCHES		<u>3</u>
TOTAL LENGTH		<u>240'</u>
ABSORPTION AREA		<u>720</u> sq ft
DISTRIBUTION BOX LEVEL		<u>✓</u>
DISTRIBUTION BOX BAFFLE		<u>yes</u>
DISTRIBUTION BOX PORT		<u>N/A</u>

SEPTIC TANK 1 LEVEL ✓

CAPACITY 1250 GAL

SEAM LOC Top

TANK LID DEPTH 1.5-

BAFFLES ✓

BAFFLE FILTER

MANHOLE LOC Center

6" PORT LOC

WATERTIGHT TEST

SEPTIC TANK 2 LEVEL ✓

CAPACITY 1250 GAL

SEAM LOC Top

TANK LID DEPTH 1.5-2

BAFFLES ✓

BAFFLE FILTER

MANHOLE LOC East

6" PORT LOC Front

WATERTIGHT TEST

PRE-CONSTRUCTION 11/20/02 Lot staked, contour appear accurate. Layout
per B.P. (50)

INSTALLATION 12/2/02 Tanks set, OK to cover (SO)

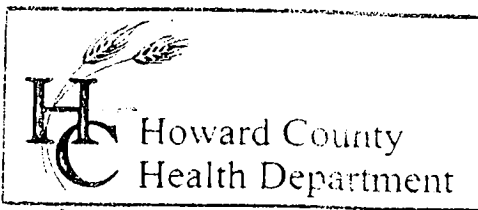
12-3-02 pressure line sleeved under driveway. About 37' from corner of house & 23' from end of septic pump tank is the beginning of the 157' long septic pressure line. 15' ± 50' trench OK to cover due to BGE line, I would have ran the septic pressure line up the other side of SDA for safety purposes. (N) OK to cover trench. Call in length of 3rd trench. (N) Need pump test 1/1/03

FINAL INSPECTOR

DATE OF APPROVAL _____

1/17/03

* Allium tests OK



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 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

January 28, 2003

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

RE: The Estates at Sandhill, Lot 55
12032 Sandhill Manor Drive
BP# B00137393
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 01/17/2003.**

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

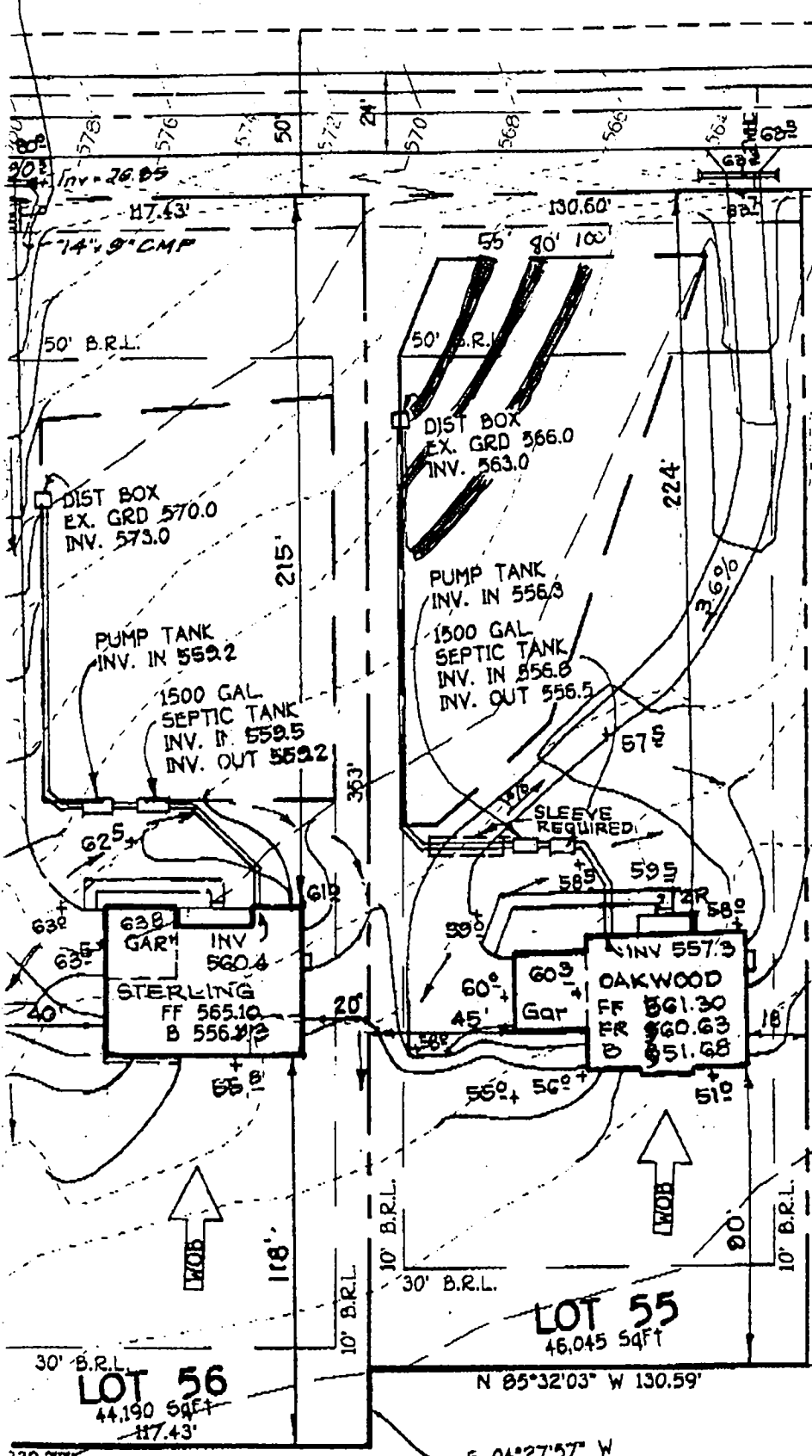
By issuance of this letter, this office recommends release of the Use and Occupancy permit for the referenced property.

Approving Authority

Steven R. Krieg
Registered Environmental Sanitarian
Well & Septic Program

mlb
cc: Building Inspector's Office
File

10' WIDE TREE MAINTENANCE EASEMENT

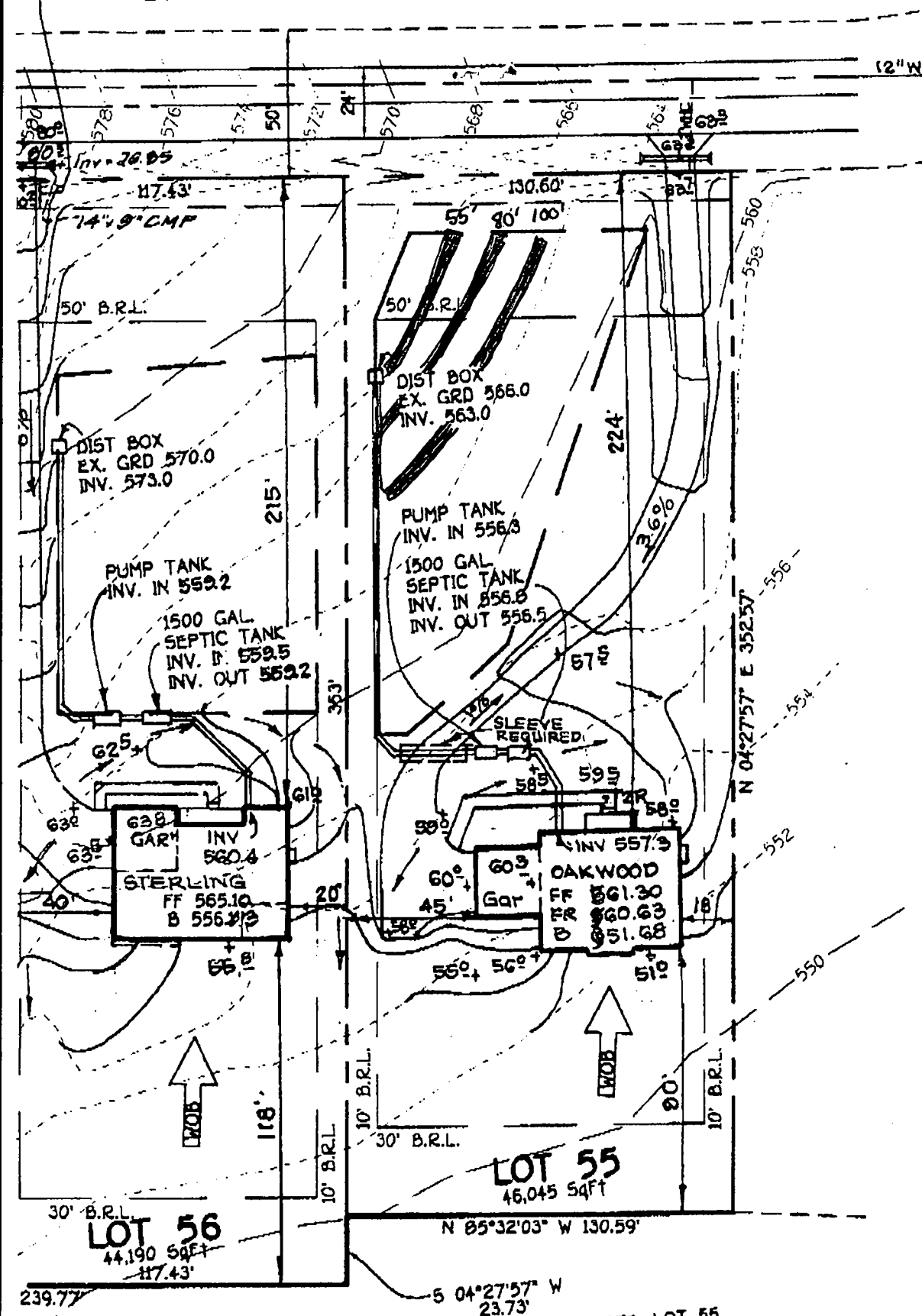
Total linear feet of trench required 240 feetWidth of trench(es) 3 feetDepth of trench(es) 5.5 feetDepth of stone required below distribution pipe 2 feetApproved Septic System Plan
Howard County Health Department

Steven R. Krieg 8/8/02
Signature Date

LEGEND	
Symbol	Description
---	Existing Contour
---	Existing Contour
---	Proposed Contour
---	Proposed Contour
+ 624	Spot Elevation
-SF--SF-	Silt Fence
-	First Floor Ele

TOTAL P.02

NOTE: LOT 56
BASEMENT WILL
NOT SEWER BY
GRAVITYNOTE: LOT 55
BASEMENT WILL
NOT SEWER BY
GRAVITY

10' WIDE TREE MAINTENANCE
EASEMENT

Date	6-21-02	# of pages	1
From	JOEY		
To	DANA BORG		
Co.	FCC		
Phone #			
Fax #			
Post-It Fax Note	7671		
To	DANA BORG		
Co./Dept.	DOUGLAS		
Phone	SAND HILL		
Fax #	LET 55		

LEGEND	
Symbol	Description
	Existing Contour
	Existing Contour
	Proposed Contour
	Proposed Contour
+ 624	Spot Elevation
- 5F - 5F -	Silt Fence
-	First Floor Ele

CONVENTIONAL TRENCH SEPTIC SPECIFICATIONS WORKSHEET

PROPERTY ID: Estates @ Sandhill TAX MAP: 16 A 511444 G
STREET NAME: Sandhill Manor Ct PARCEL #: 3 LOT NUMBER 55

AVERAGE PERCOLATION RATE: 2-7 min SQUARE FEET PER BEDROOM 180
NUMBER OF BEDROOMS: 4 LINEAR FEET OF TRENCH PER BEDROOM _____
TOTAL LINEAR FEET OF TRENCH 240 SEPTIC TANK CAPACITY: 1250
TOP SEAMED TANK REQUIRED? ☒ YES ☐ NO
COMPARTMENTED TANK REQUIRED? YES ☒ NO

TRENCH DESIGN: Trench to be 3' feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 2 feet of stone below distribution pipe.

PUMPED SYSTEM PROPOSED: ☒ YES ☐ NO
PUMPED SEPTIC SYSTEM DETAIL: 1250 gallon pump chamber
☒ YES ☐ NO top sealed pump chamber required?

LOCATION: Place the distribution box as shown on the approved site plan. Run trenches on contour.

ADDITIONAL NOTES: Sleeve septic pump line under driveway
There is no basement service by gravity

REVIEWER: SRK DATE: 8/8/02

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'

heavy
orange
brown
siltm

3.0
white
&
orange
mottled
siltm
very
damp
⊙
undeterminable
depth

64f

red
brown
siltm

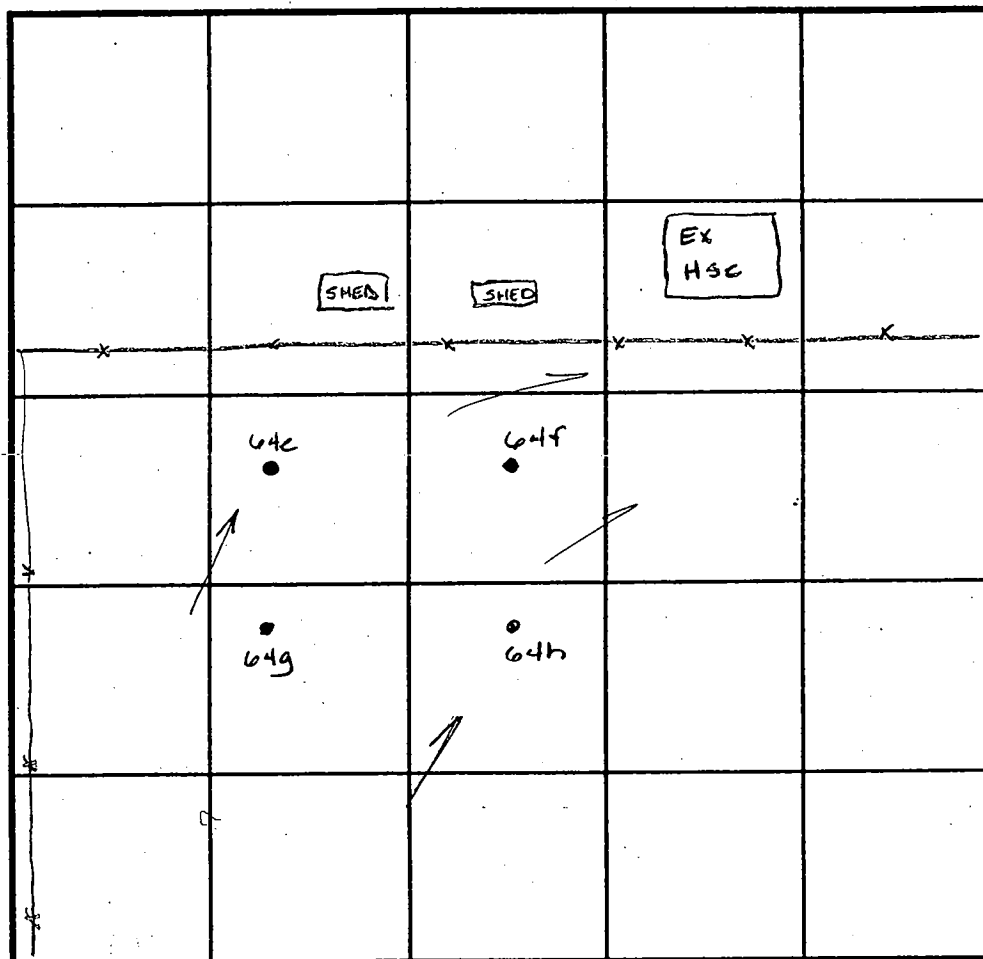
4.0
red
brn
salm
micaceous
red &
yellow
mottles
toward
the
bottom

64h

64g

12.0
dark
red
micaceous
siltm

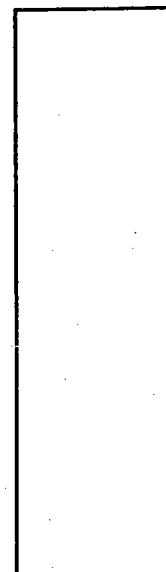
35
dark
red
salm
30%
shale



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0'



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-14-99	64c	4.0 V11.0	12:49	12:56	12:56	1:02	6min
	64f	Visual	H2O indications at unknown				
		depth -	do not use				Don't use
	64h	4.5 V11.0	1:07	1:08	1:08	1:09	1min
	64g	3.5 V12.0	1:31	1:33	1:33	1:37	4min
		7.0 V12.0	1:31	1:33	1:33	1:36	3min

REMARKS design SDA 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

V11.0

COUNTY #

SOIL PROFILE

0' 68d 65c

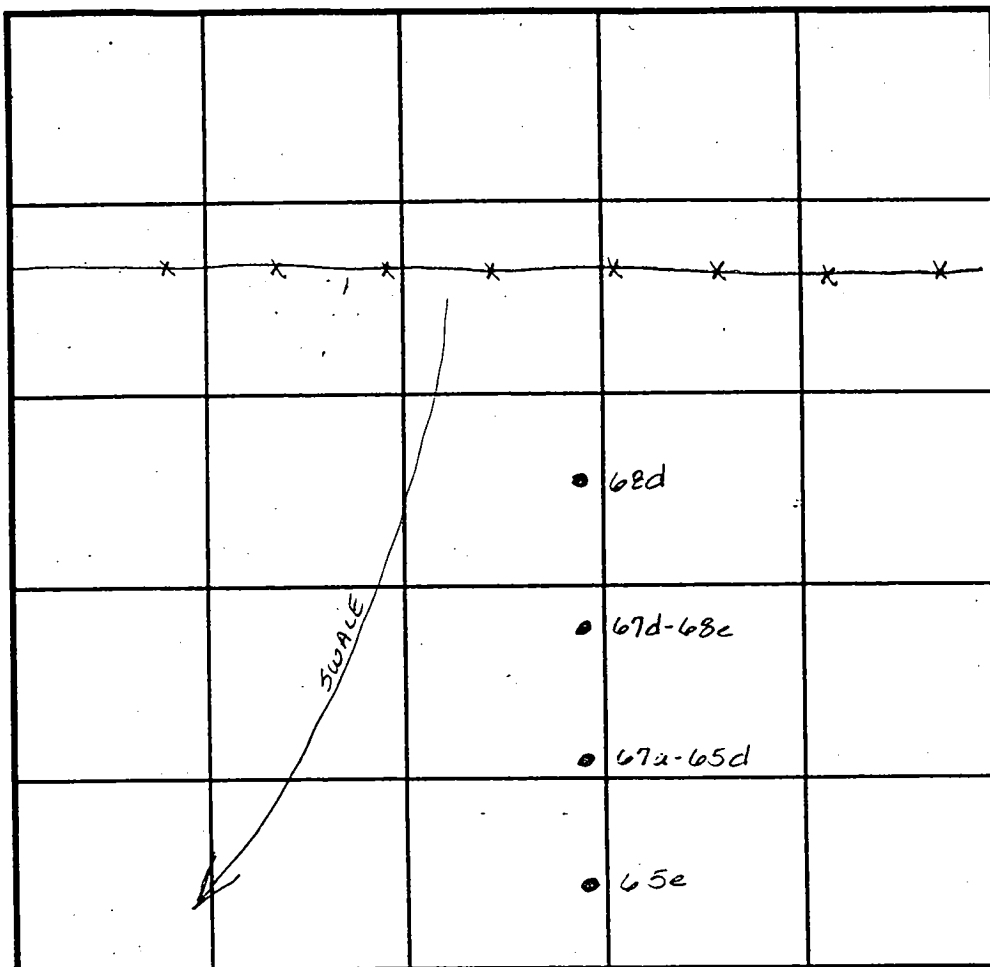
no
distinct
clay
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orange
silts3.0 orange &
white
decayed
feldspar
silt
maybe
H₂O
2.0

67d-68a

topsoil

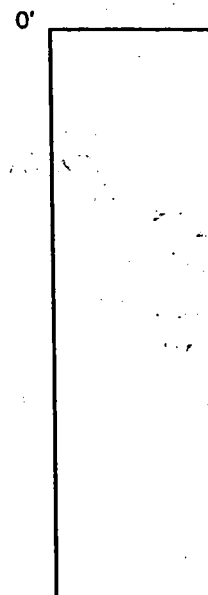
5 orange
&
brown
mix
silt
20%
feldspar
2.0

67a-65d

red
brown
silt3.0 orange
brown8.0 white
powdery
silt
100%
decayed
feldspar
12.0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-4-99	68d	3.5 112.0	11:58	11:04	11:04	11:12	8min
	67d-68a	4.5 112.0	11:16	11:19	11:19	11:23	4min
	67a-65d	3.5 112.0	11:27	11:30	11:30	11:37	7min
	65c	4.0 112.0	11:46	11:56	11:56	12:15	19min

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillen

ALSO PRESENT

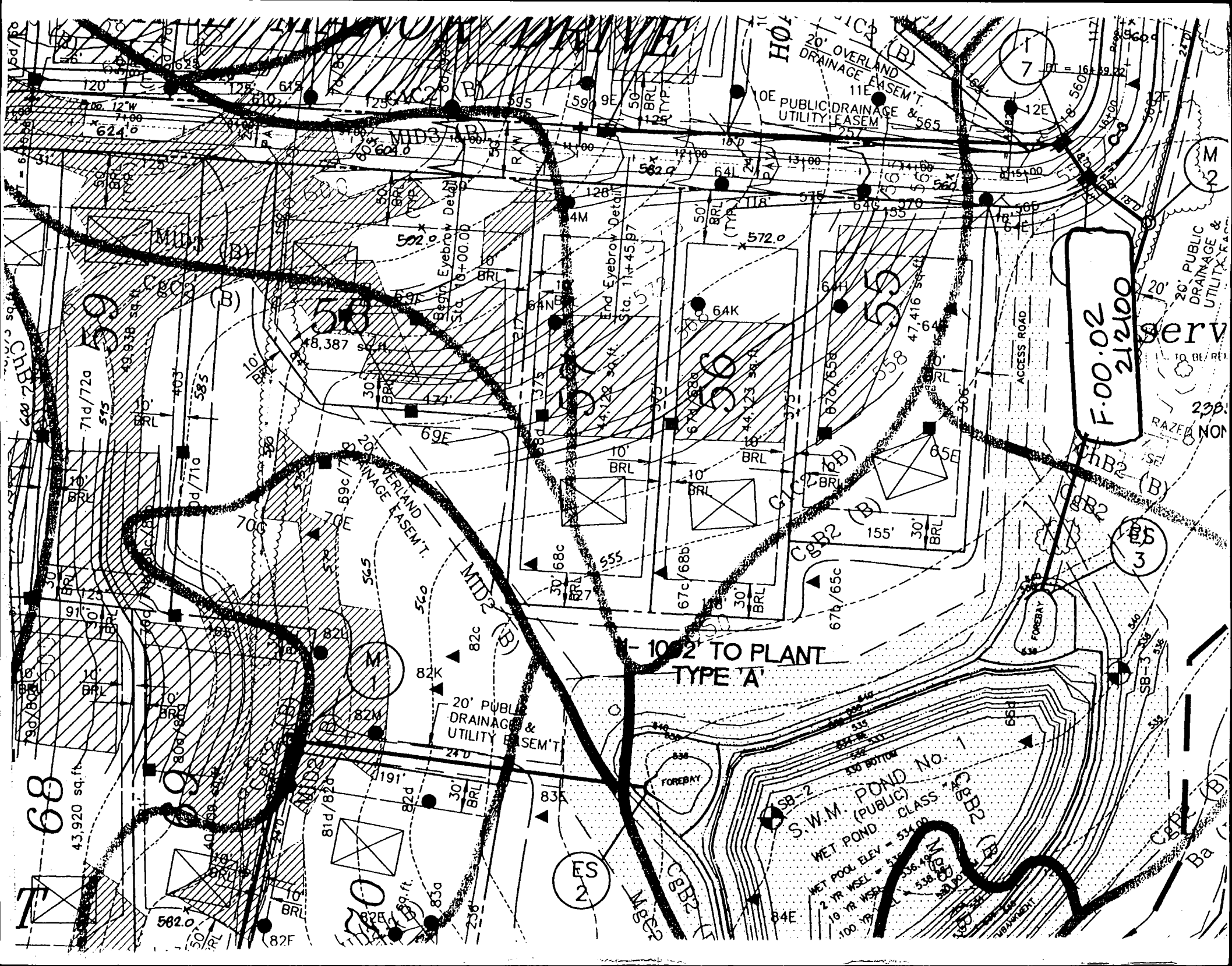
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM



68

7

43,920 sq. ft.

6d/80

120

125

612

610

624

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F.00.137
12.11.00

SHEET 3 OF 6

R=50.00'
L=78.63'

N

PUBLIC DRAINAGE
WATER

PUBLIC DRAINAGE
WATER

PRESERVATION
(NON-BUILDABLE)
Owner: Oak Hill

Easement Holders: H
Sand Hill

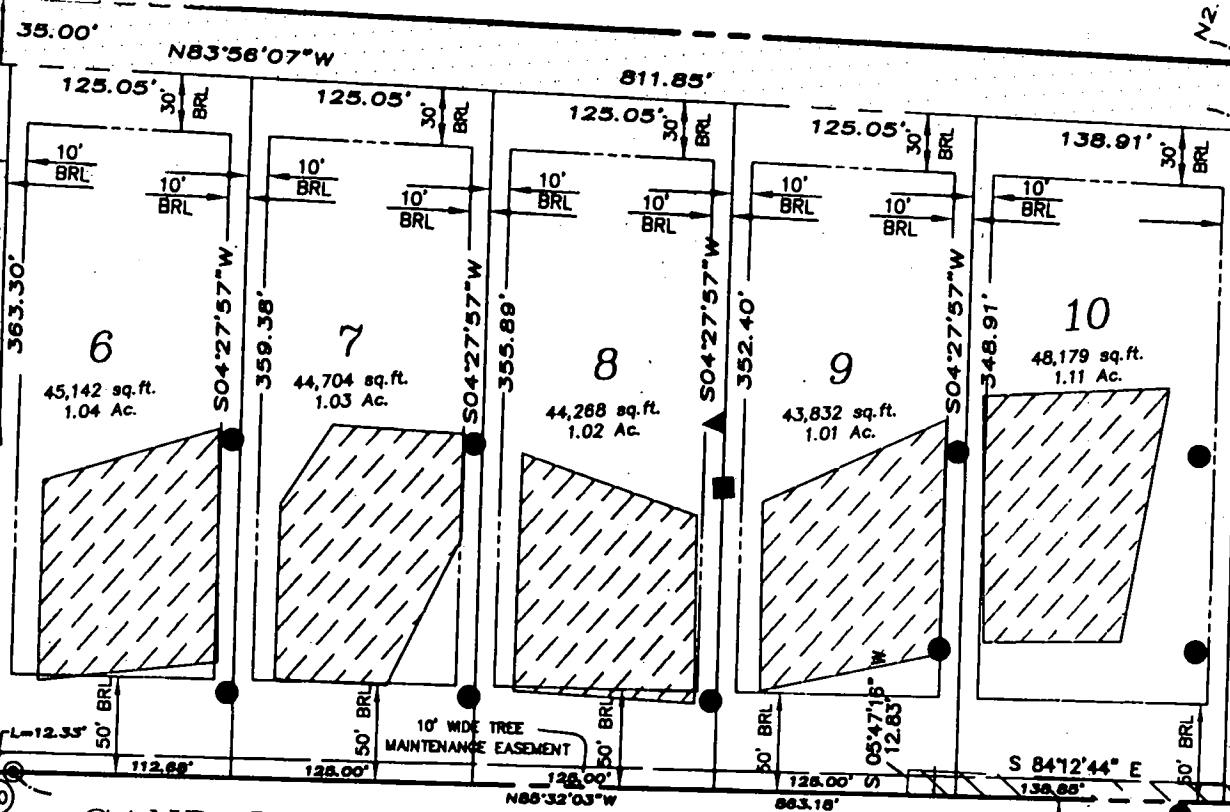
Partial Area (This Plat): 27
Total Area: 2,311,503

PUBLIC STORMWATER
MANAGEMENT, ACCESS,
DRAINAGE AND UTILITY
EASEMENT
33,051.84 sq. ft. or 0.7568 Ac.

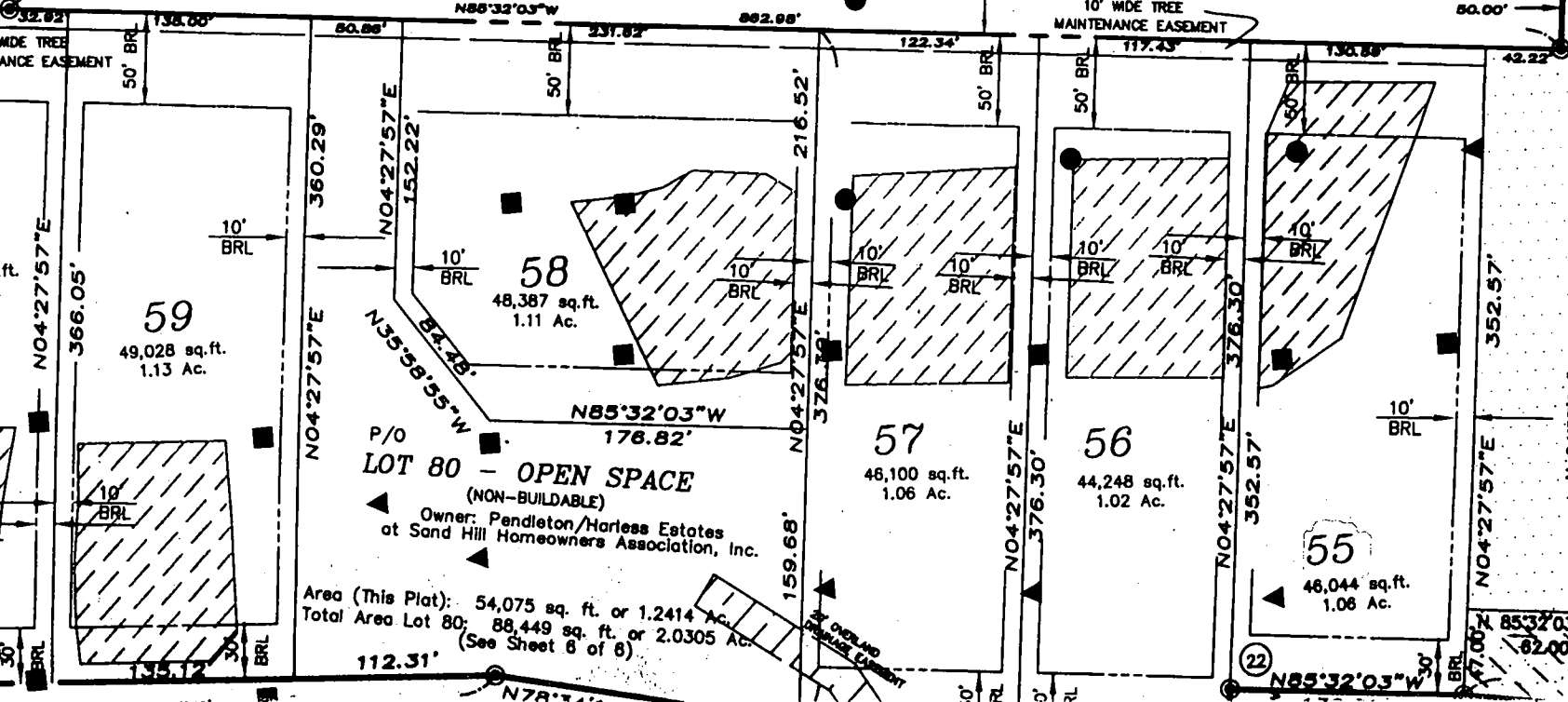
PRESERVATION PARCEL 'A'
(NON-BUILDABLE)
Owner: Oak Hill Properties, LLC

Easement Holders: Howard County, MD. &
Pendleton/Harless Estates at Sand Hill
Homeowners Association, Inc.
Partial Area (This Plat): 94,663 sq. ft. or 2.1732 Ac.
Total Area: 166,330 sq. ft. or 3.8184 Ac.

WIDTH VARIES
PUBLIC DRAINAGE & UTILITY EASEMENT
234.82' Water



SAND HILL MANOR DRIVE

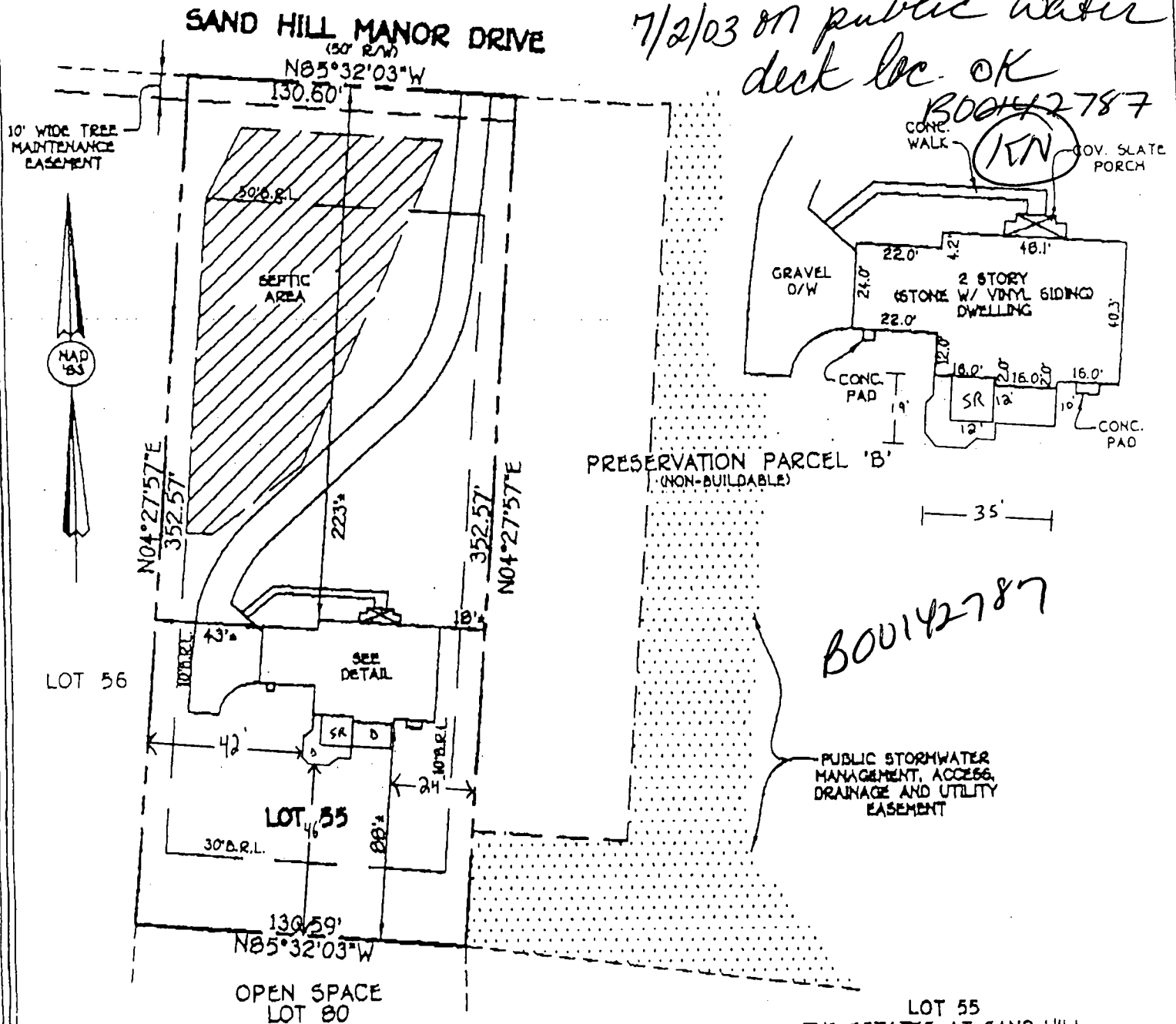


P/O
LOT 80 - OPEN SPACE
(NON-BUILDABLE)
Owner: Pendleton/Harless Estates
at Sand Hill Homeowners Association, Inc.

Area (This Plat): 54,075 sq. ft. or 1.2414 Ac.
Total Area Lot 80: 88,449 sq. ft. or 2.0305 Ac.
(See Sheet 8 of 8)

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 D 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 55
THE ESTATES AT SAND HILL
LOTS 1 THROUGH 80
NON-BUILDABLE PRESERVATION PARCELS A & B
ELECTION DISTRICT No. 3
HOWARD COUNTY, MARYLAND
PLAT No. 14581
B.R.L.=BUILDING RESTRICTION LINE