

LAYOUT 2/6/03 11AM INSP 4 _____
INSP 2 2/10/03 2PM INSP 5 _____
INSP 3 2/14/03 2-2:30PM INSP 6 _____

ISSUE DATE: 1/10/2003

P 518507

APPROVAL DATE: 2/14/03

A 511444-J

**PERMIT
INDEXED**

TAX ID # 03-334961

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

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

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

SUBDIVISION: THE ESTATES AT SANDHILL LOT NUMBER: 58

ADDRESS: 12020 SANDHILL MANOR DRIVE 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: 210

LINEAR FEET OF TRENCH REQUIRED: 270 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 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	PLACE THE DISTRIBUTION BOX NEAR THE UPPER CORNER EASEMENT STAKE THAT IS CLOSEST TO THE HOUSE.
NOTES:	

PLANS APPROVED: BRIAN BAKER DATE: 10/21/2002

NOTE: PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL

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

**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**

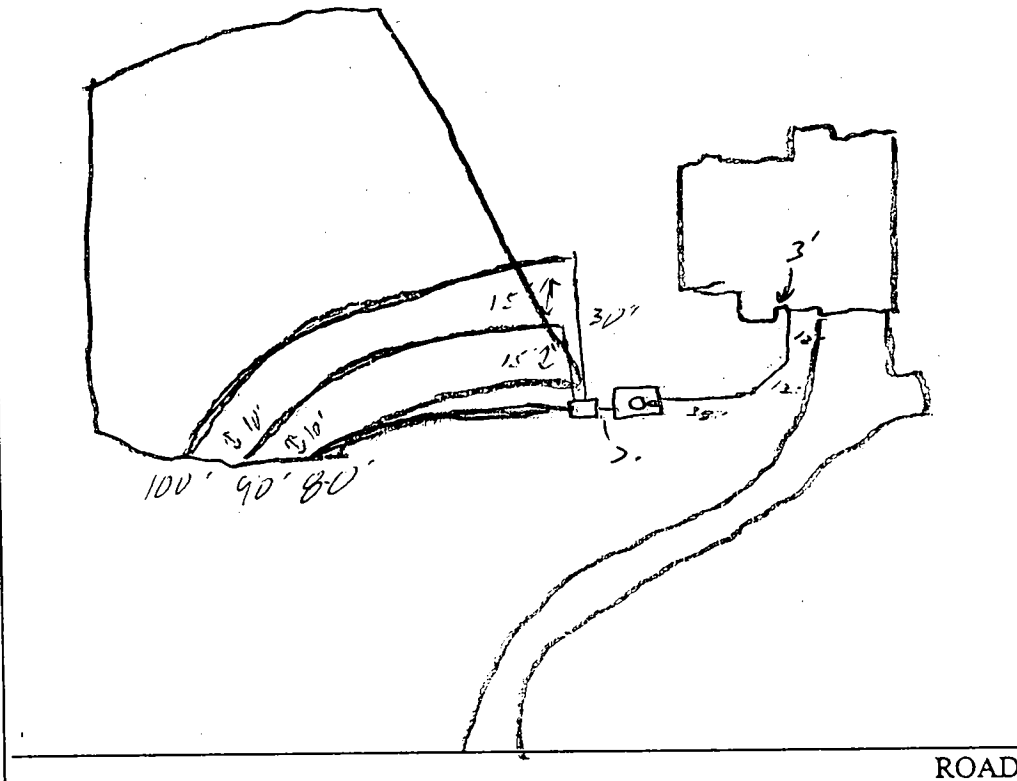
AND RETURNED

CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

10-21-04 800 150873-DECK + GAZEBO

A511444-J

NOT TO SCALE



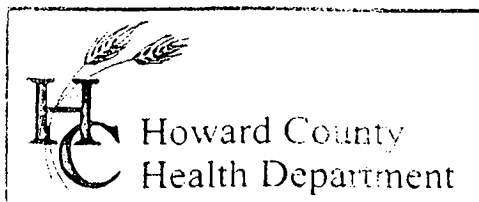
TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		270'
ABSORPTION AREA		810 sq
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		—

SEPTIC TANK DATA		
SEPTIC TANK 1 LEVEL		
CAPACITY	1250	GAL
SEAM LOC	Top	
TANK LID DEPTH	2.5'	
BAFFLES	✓	
BAFFLE FILTER	—	
MANHOLE LOC	Center	
6" PORT LOC	Front	
WATERTIGHT TEST		
SEPTIC TANK 2 LEVEL		
CAPACITY		GAL
SEAM LOC		
TANK LID DEPTH		
BAFFLES	MA	
BAFFLE FILTER	MA	
MANHOLE LOC		
6" PORT LOC		
WATERTIGHT TEST		

PRE-CONSTRUCTION 2/6/03 SRA Stated, house conn changed, no effect.
 Contour a little off. Set DB slightly uphill from upper SRA corner (SD)
 INSTALLATION 2/14/03 - Tank set, house conn made, OK to
 cover (SD) 2/14/03 Trenches installed, OK to cover all
 work (SD)

FINAL INSPECTOR [Signature] DATE OF APPROVAL 2/14/03

RECEIVED
 BUILDING PERMIT DIVISION
 2/14/03



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

February 19, 2003

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

RE: The Estates at Sandhill, Lot 58
12020 Sandhill Manor Drive
BP# B00138609
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 02/14/2003.**

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

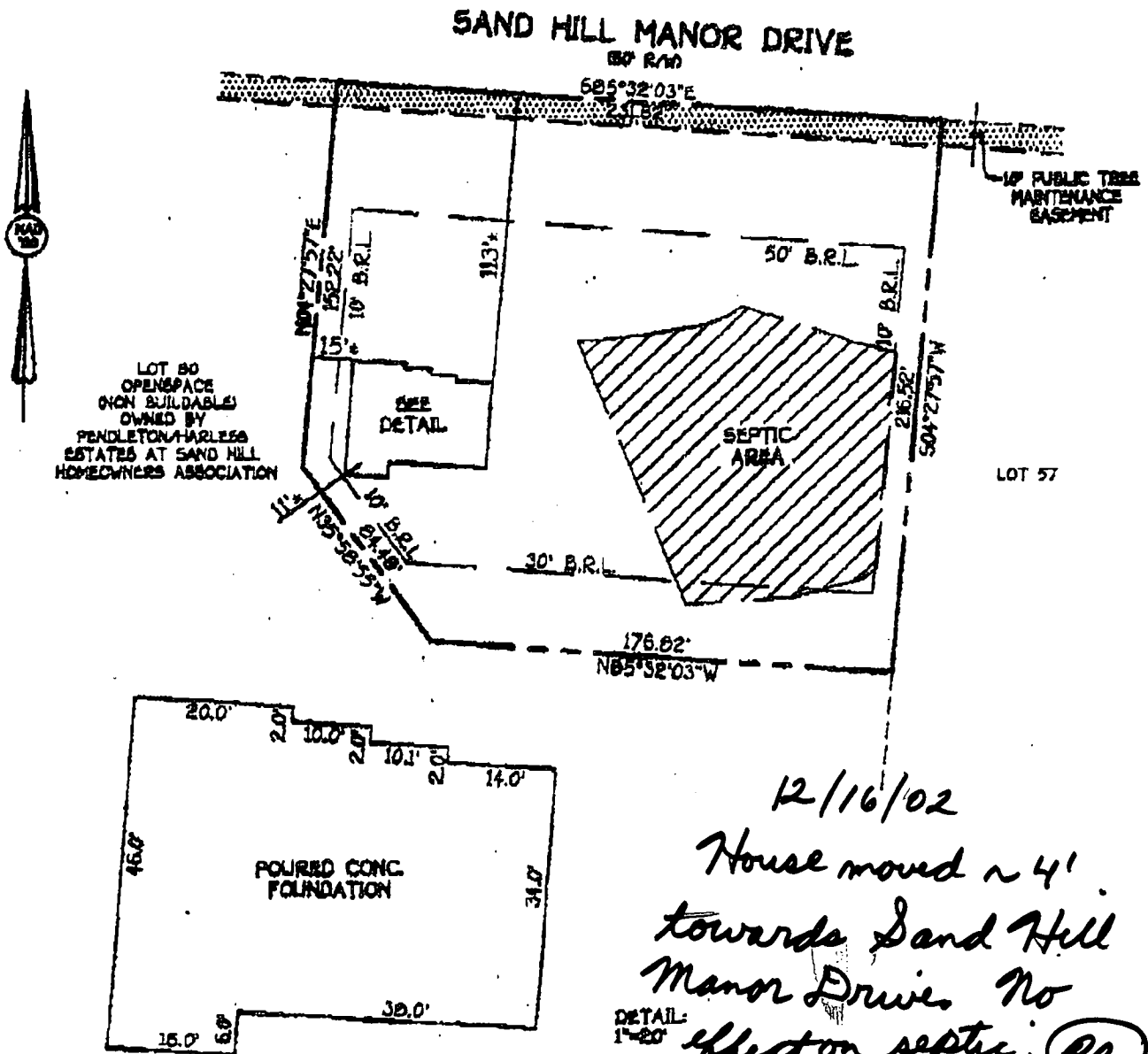
mlb

cc: Building Inspector's Office
File

2-19-03

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.



B.R.L. - BUILDING RESTRICTION LINE
TOP OF FOUNDATION ELEV. 509.4'

LOT 20
THE ESTATES AT SAND HILL
LOTS 1 THRU 20
NON-BUILDABLE PRESERVATION PARCEL A & B
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT REF. J4881

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



**HOUSE LOCATION
DRAWING**

FOUNDATION LOCATION: 12/10/22
TRAIL LOCATION:

Approved Septic System Plan

Howard County Health Department

Total linear feet of trench
required 270 feet

Width of trench(es) 3.0 feet

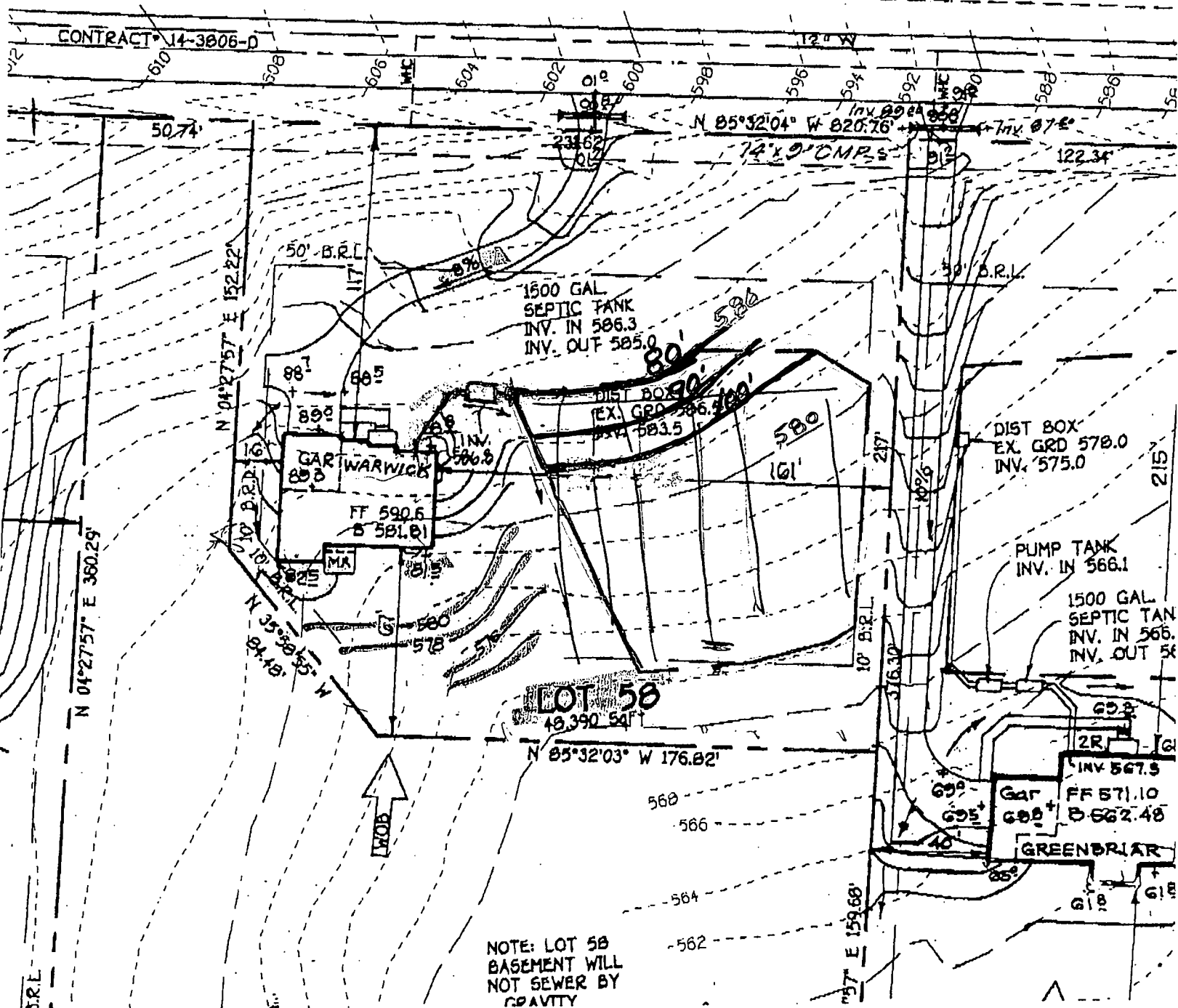
Depth of trench(es) 5.0 feet

Depth of stone required below
distribution pipe 2.0 feet

Brian Baker 10/21/02
Signature Date

SAND HILL MANOR DRIVE

[Signature]



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

64K

dark
orange
brown
silt/clm

lgt
orange
&
pink
mixed
salm
20%
micaceous
shale

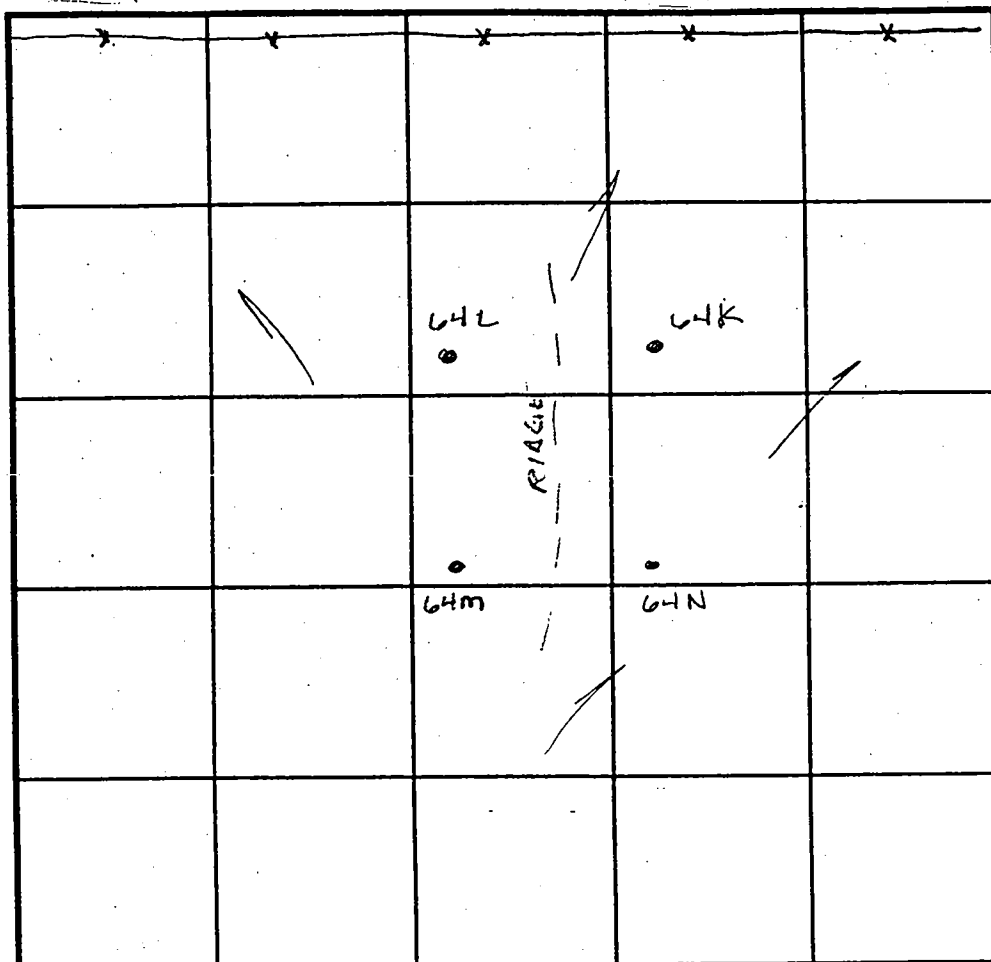
64M
64N 64L

orange
brown
silt/clm

lgt
orange
brn
w/ 20%
decayed
feldspar

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	64K	5.0' V12.0	1:11	1:17	1:17	1:32	15min
	64N	6.5' V12.0	1:15	1:16	1:16	1:18	2min
	64M	4.0' V12.0	1:21	1:22	1:22	1:24	2min
		2.5' V12.0	1:22	2:24	2:24	2:28	4min
	64L	Visual	to 12.0' - see profile			—	OK

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

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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(SIGNATURE OF APPLICANT)

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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' 69e/69c-70a

no
distinct
clay
layer
orange
brown
silm

dark
brown
salm
30-90
Mq Saprolite

↓
refusal

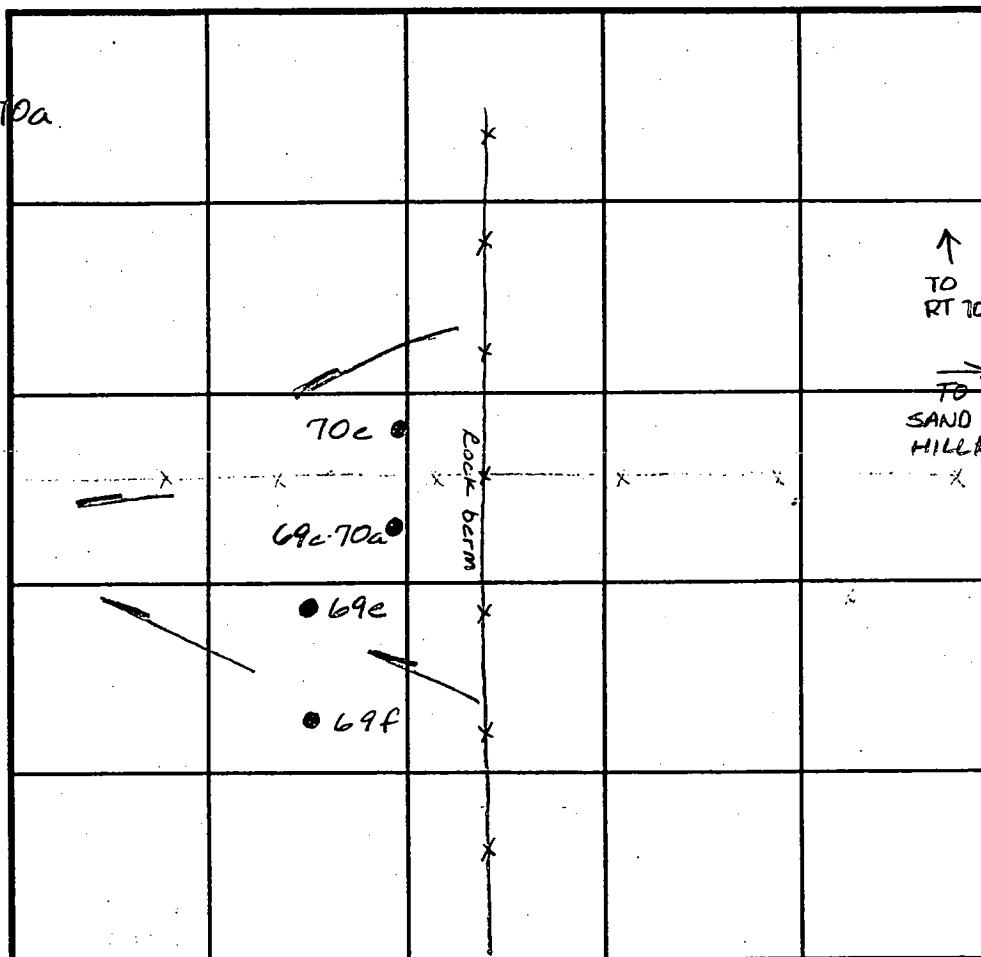
70e

like
69e
but
refusal
②
8.0'

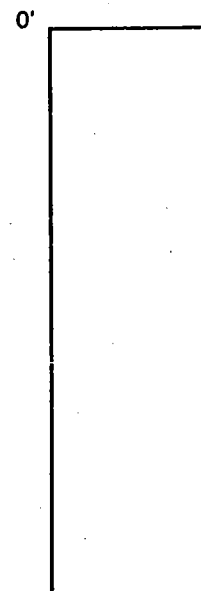
69f

red
brown
silm

3.0
dark
brn
salm
30-40%
Saprolite
mix
micaceous



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	69e	2.5 √9.0	10:25	10:27	10:27	10:29	2min
	69c-70a	3.5 √9.0	10:35	10:53	10:53	10:13	20min
	70e	3.5 √8.0	10:55	10:56	10:56	10:57	1min
			10:53	10:53 ³⁰	10:53 ³⁰	10:54 ¹⁵	45sec
		Fast perc (45 min) in high shale cont.					F
	69f	Visual to 12.0 - see profile					BK

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillen

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

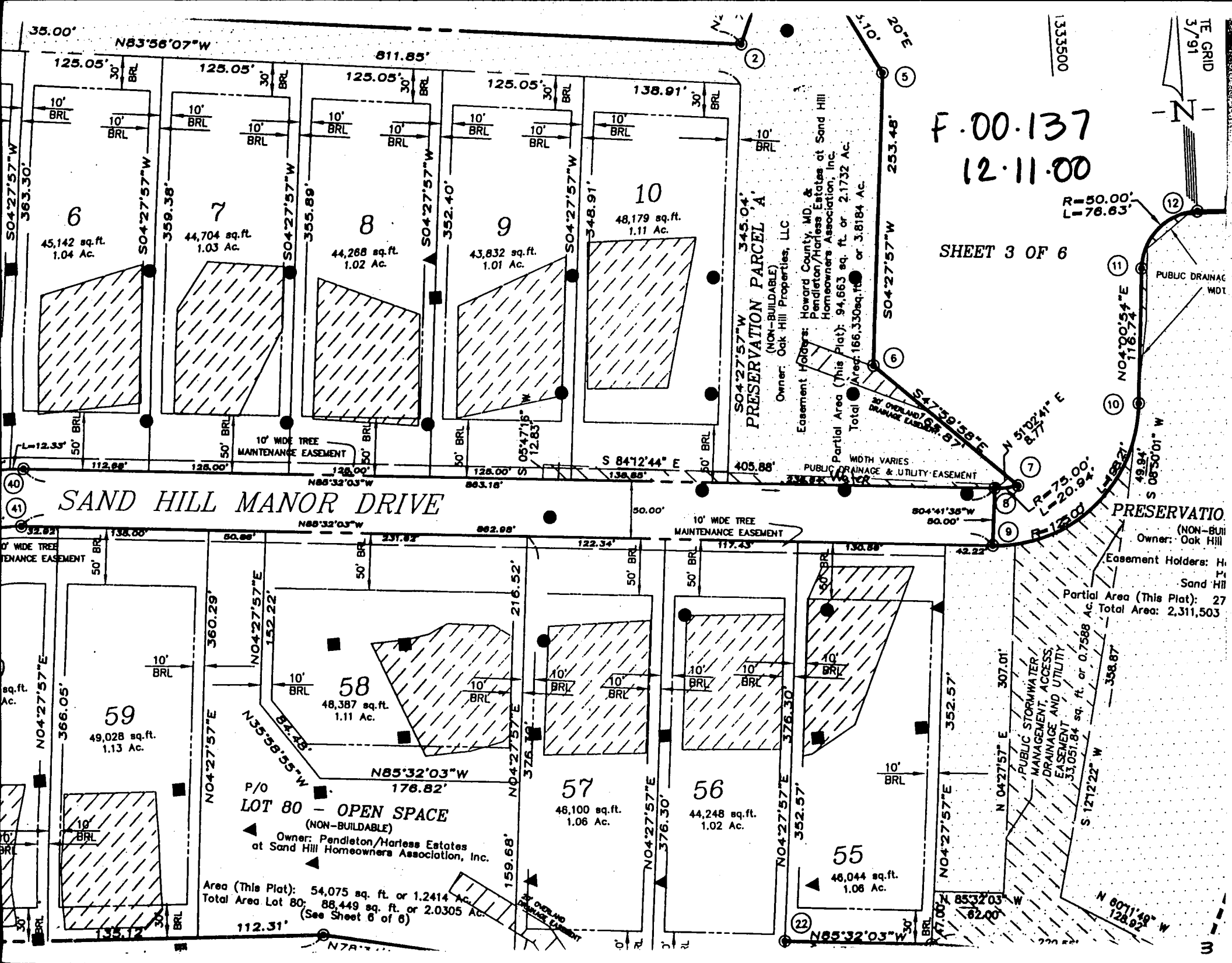
INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

12.0

SQ. FT./BEDROOM



68

43,920 sq. ft.

71d/72a

515

59

49,938 sq. ft.

70d/71a

585

69c/70c

525

69e

525

68c

555

67c/68b

575

67b/65c

558

67a/68a

575

67b/65c

558

67b/65c

558

F.00.02
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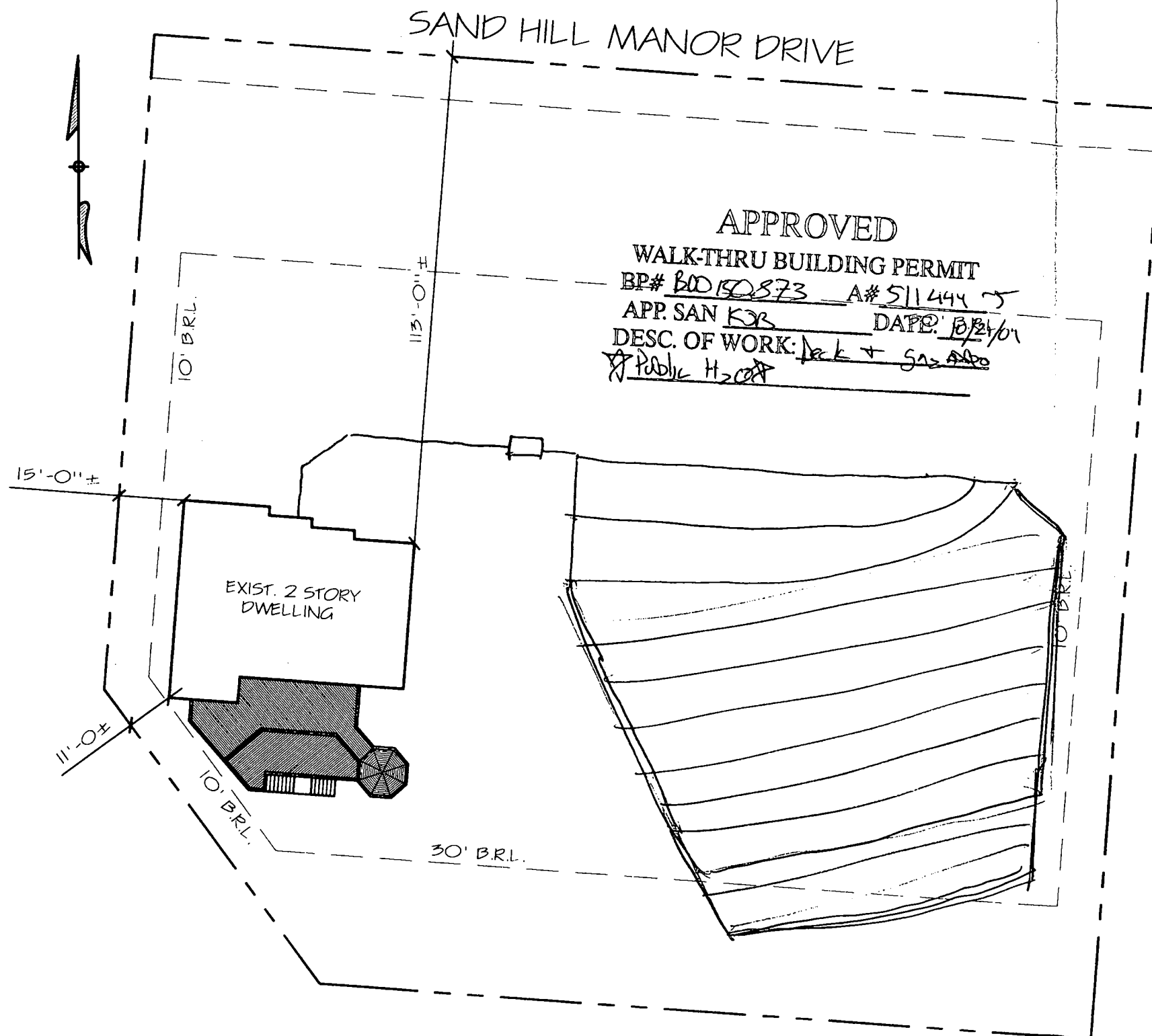
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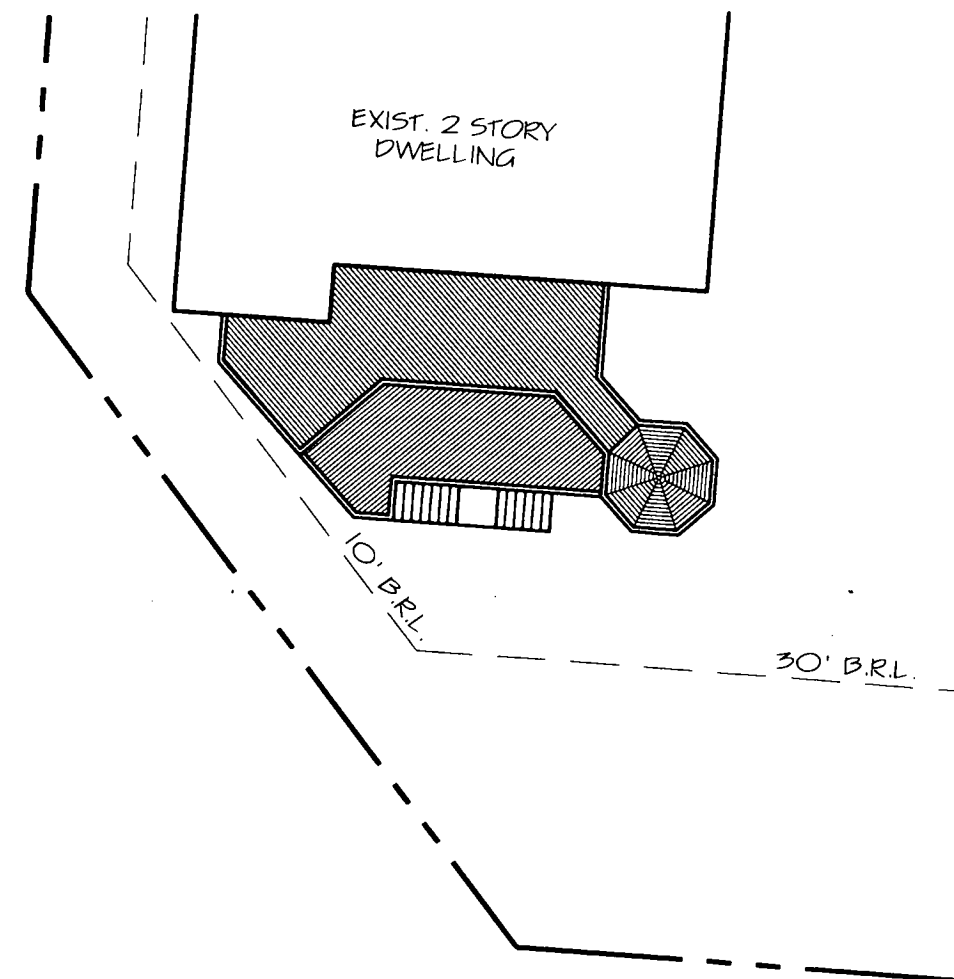
529



PLOT PLAN

LOT 58
THE ESTATES AT SAND HILL
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT REF. 14581

1" = 30'



PARTIAL PLOT PLAN

1" = 20'

GARBER RESIDENCE
12020 SAND HILL MANOR DRIVE
MARRIOTTSTVILLE MARYLAND 21104

SCALE: AS NOTED
DRAWN BY: EWG
DATE: OCTOBER 2004