

LAYOUT 7/29/02 10-11am INSP 4 9/12/02 10-11
INSP 2 7/30/02 Flu 1 PM INSP 5 _____
INSP 3 9/11/02 9:30-10:00 INSP 6 _____

ISSUE DATE: 7/22/2002

APPROVAL DATE: 9/12/02

**PERMIT
INDEXED**

P 517373

A 511435-K

**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: Estates @ Sandhill LOT NUMBER: 11

ADDRESS: 12045 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: 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 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box as per the approved site plan. Run trenches on contour 40', 60', 80', 100'.
NOTES:	No basement service by gravity.

PLANS APPROVED: Steven R. Krieg OK 4/23/02 (SC) DATE: 3/25/2002

NOTES: PERMIT VOID AFTER 2 YEARS

CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED

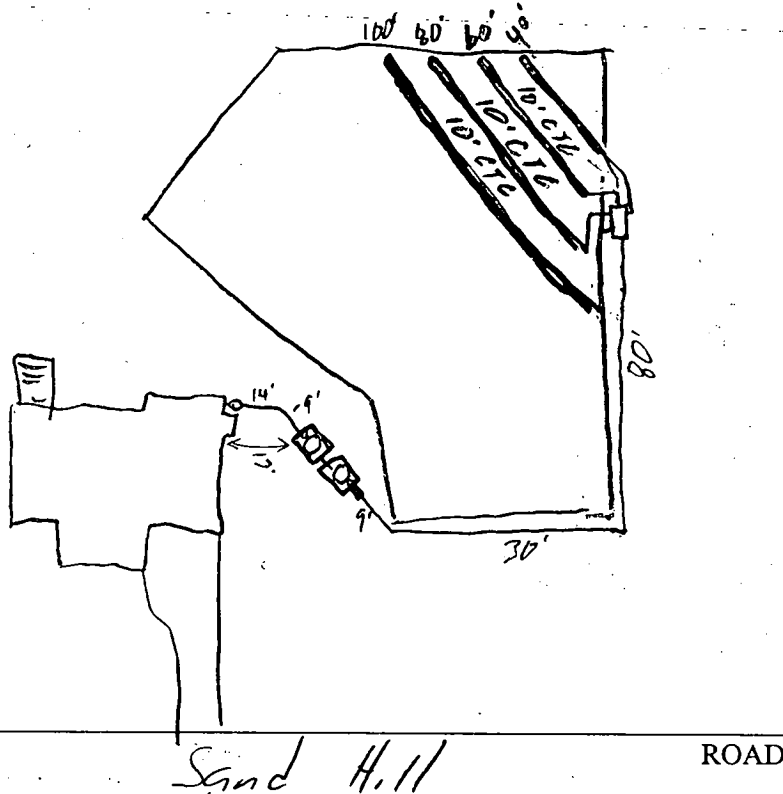
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

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-K

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
<u>3'</u>	<u>3'</u>	<u>5'</u>
NUMBER OF TRENCHES		<u>4</u>
TOTAL LENGTH		<u>280'</u>
ABSORPTION AREA		<u>8404</u>
DISTRIBUTION BOX LEVEL		<u>✓</u>
DISTRIBUTION BOX BAFFLE		<u>✓</u>
DISTRIBUTION BOX PORT		<u>✓</u>

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	
CAPACITY	<u>1250</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>2'</u>
BAFFLES	<u>✓</u>
BAFFLE FILTER	<u>✓</u>
MANHOLE LOC	<u>Center</u>
6" PORT LOC	<u>Front</u>
WATERTIGHT TEST	<u>✓</u>
SEPTIC TANK 2 LEVEL	
CAPACITY	<u>1250</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>3-4'</u>
BAFFLES	<u>✓</u>
BAFFLE FILTER	<u>✓</u>
MANHOLE LOC	<u>Center</u>
6" PORT LOC	<u>Back</u>
WATERTIGHT TEST	<u>✓</u>

PRE-CONSTRUCTION 7/24/02 Lot staked. Contour as shown. Keep tanks as close to house as possible. PT will probably be deep. Trenches per BREC.

INSTALLATION 7/30/02 OK to cover all work. Pump & Alarms tests needed (SO) 9/11/02 Alarms OK. No water for pump test (SO) 9/12/02 Pump test OK (SO)

FINAL INSPECTOR [Signature] DATE OF APPROVAL 9/12/02



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 17, 2002

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

RE: The Estates @ Sandhill, Lot # 11
12045 Sand Hill Manor Drive
BP# B00134764
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 9/12/2002.**

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

OK (SRK)

Signature

10 Key 3/3/02
179 sq. ft. Date

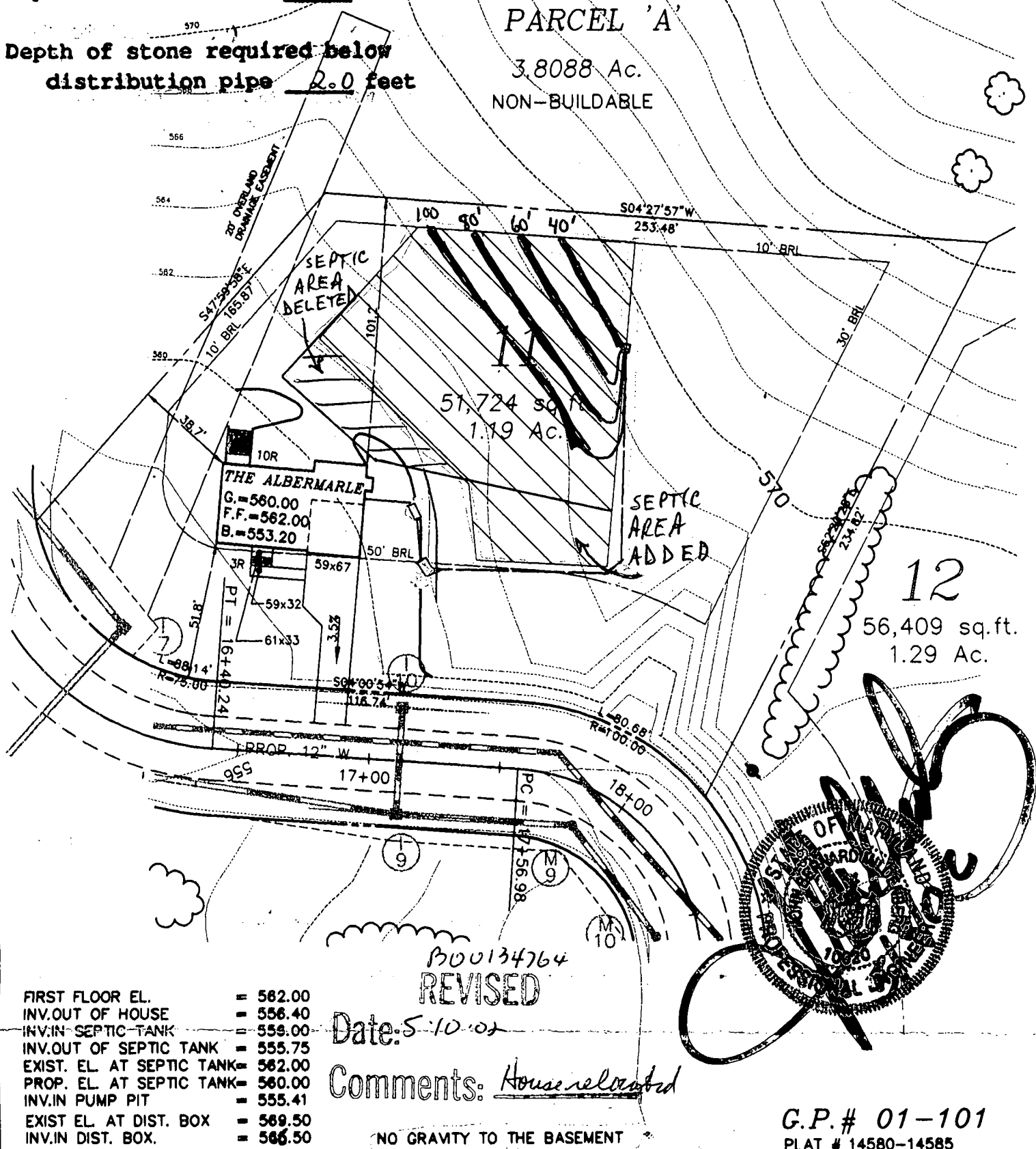
Width of trench(es) 3 feet

Depth of trench(es) 5 feet

Depth of stone required below
distribution pipe 2.0 feet

~~HOA PRESERVATION
PARCEL 'A'~~

~~3.8088 Ac.~~
~~NON-BUILDABLE~~



FIRST FLOOR EL.	=	562.00
INV.OUT OF HOUSE	=	556.40
INV.IN SEPTIC TANK	=	559.00
INV.OUT OF SEPTIC TANK	=	555.75
EXIST. EL. AT SEPTIC TANK	=	562.00
PROP. EL. AT SEPTIC TANK	=	560.00
INV.IN PUMP PIT	=	555.41
EXIST EL. AT DIST. BOX	=	569.50
INV.IN DIST. BOX.	=	566.50

Date: 5-10-02

Comments: House relocated

NO GRAVITY TO THE BASEMENT

G.P.# 01-101
PLAT # 14580-14585

THE ESTATES AT SAND HILL

PLOT PLAN LOT # 11
12045 SAND HILL MANOR DRIVE

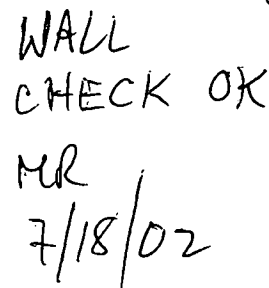
ELECTION DISTRICT: 3	TAX MAP: 16	HOWARD COUNTY, MARYLAND
DRAWN BY: M.M.P.	SCALE: 1"=50'	DATE: MAY 3, 2002



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

Engineers Planners Surveyors

5072 Dorsey Hall Drive, Suite 202, Elkott City, Maryland 21042
(410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0288 Fax.



THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT
ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD
INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER
FINANCING, OR REFINANCING ONLY AND IS NOT TO BE USED FOR
THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES,
GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.
FLOOD INSURANCE RATE MAP (FIRM) FLOOD ZONE "C" AREA OF
MINIMUM FLOODING PER COMMUNITY PANEL NUMBER 240044-0016 D
DECEMBER, 4 1986

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6072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0286 Ball (301) 821-5821 Wash. (410) 997-0286 Fax.



STATE OF MARYLAND
DEPARTMENT OF THE GENERAL LAND OFFICE
JOHN MILBURN BERG
REG. LAND SURVEYOR

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 #

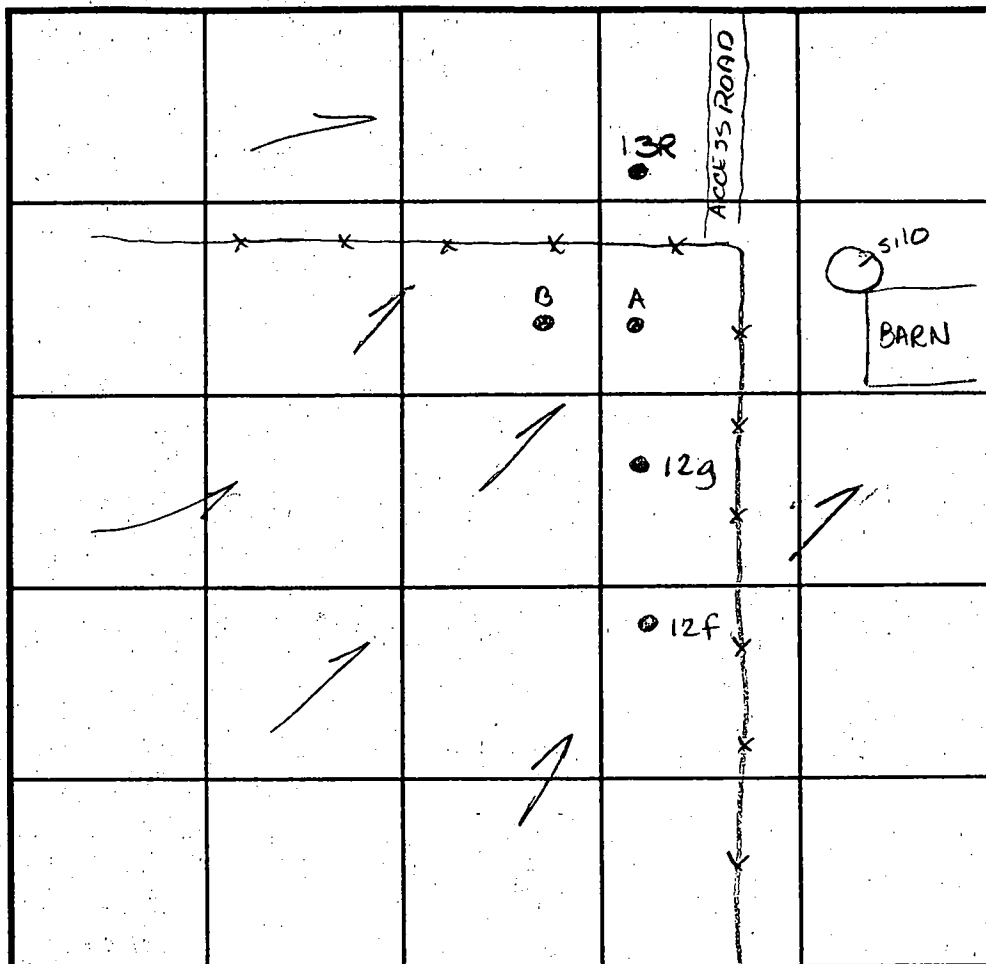
SOIL PROFILE

0' A & B

only dug to
7.0'
deep clay
per
contractor
did not
see
holes

12g
dry to
11.0'
but
deep
clay
(to 6.0')
and
grey
mottled
silm
starting
@
appx.
8.0'

12f
4.0' dark
brown
silm
heavily
mottled
silm
grey
&
orange
indicates
H₂O



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' 13R

Dark
brown
silm

2.0' orange
brown
silm

8.0' white
silm
delayed
feldspar
& mica
2090
maybe
H₂O

12.0'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-13-99	A & B	See profile					F
	12g	Deep clay & shallow depth to potential					
		H ₂ O See profile					F
	12f	Insufficient depth to potential H ₂ O					
		See profile					F
	13R	Insufficient depth to potential					
		H ₂ O - see profile					F

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

11.0

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

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THIS IS NOT A PERMIT

COUNTY#

SOIL PROFILE

12e

no distinct
clay
layer
orange
brown
micaceous
Salm
w/ pockets
of dark,
red salm
grey
mottles
@ 10-11'

9e

11c/12b
beigh
brown
Sicilm

red
brn
Salm

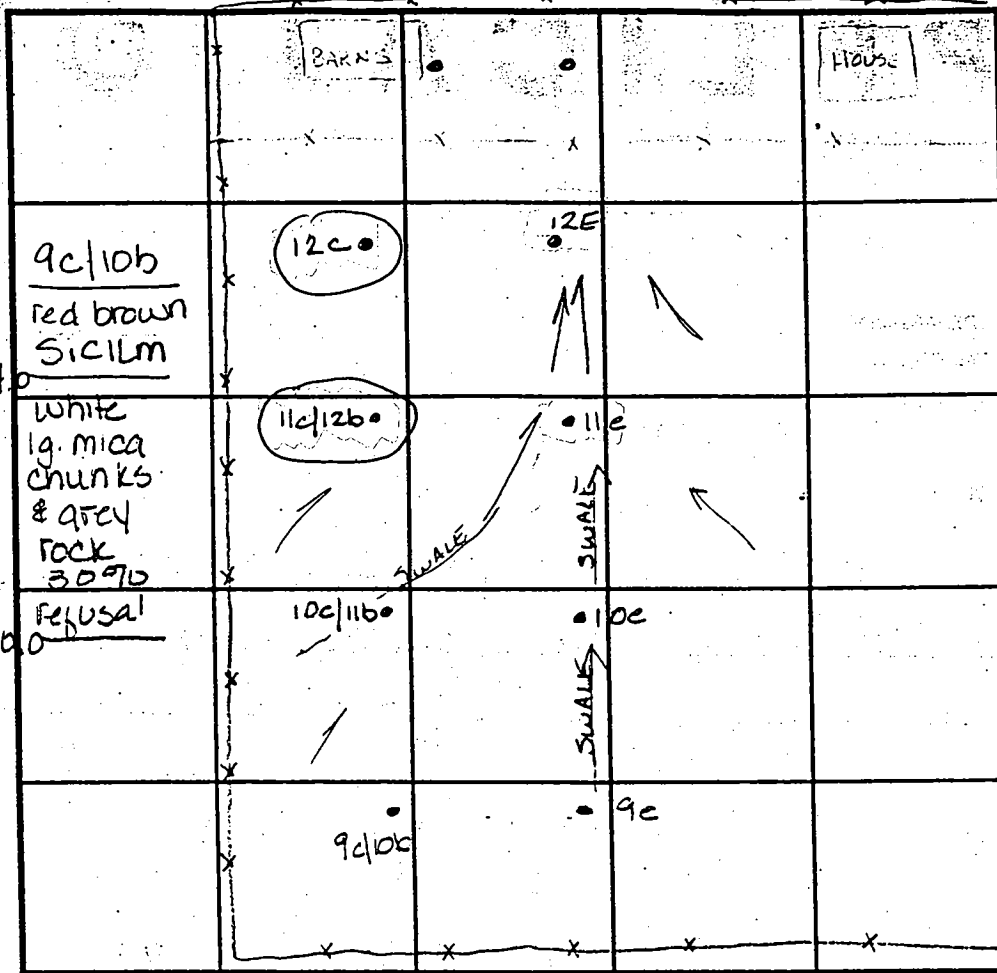
30%
micaceous
shale

refusal
@ 9.0'

12c

brown
Sicilm

bright
red
Salm
micaceous
zones
of or
Salm
from
parent
rock
45%
R_x



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

11c 10e

orange
brown
Sicilm
20%
stones

orange
brown
Salm
25%
micaceous
shale

10c/11b

red brn
Sicilm

horizontal
bands of
red/or/
grey/yellow
Salm
25%
shale

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-13-99	12e	3.0 V12.0	12.10	12.13	12.13	12.16	3min
	11c/12b	4.5 V9.0	1.02	1.05	1.05	1.10	5min
In Septic area		6.5 V9.0	1.01	1.05	1.05	1.28	23min
	12c	Visual	to 12.0' - see profile -				OK
	11e	4.5 V12.0	1.14	1.15	1.15	1.16	1min
	10e	3.5 V12.0	1.19	1.21	1.21	1.24	3min
	10c/11b	Visual	to 12.0' - see profile -				OK
	9e	3.5' V9.0	1.29	1.33	1.33	1.40	7min
	9c/10b	8.0 V12.0	1.57	2.02	2.02	2.10	8min
		4.0 V12.0	1.58	2.00	2.00	2.02	2min

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillen

ALSO PRESENT Ketterman

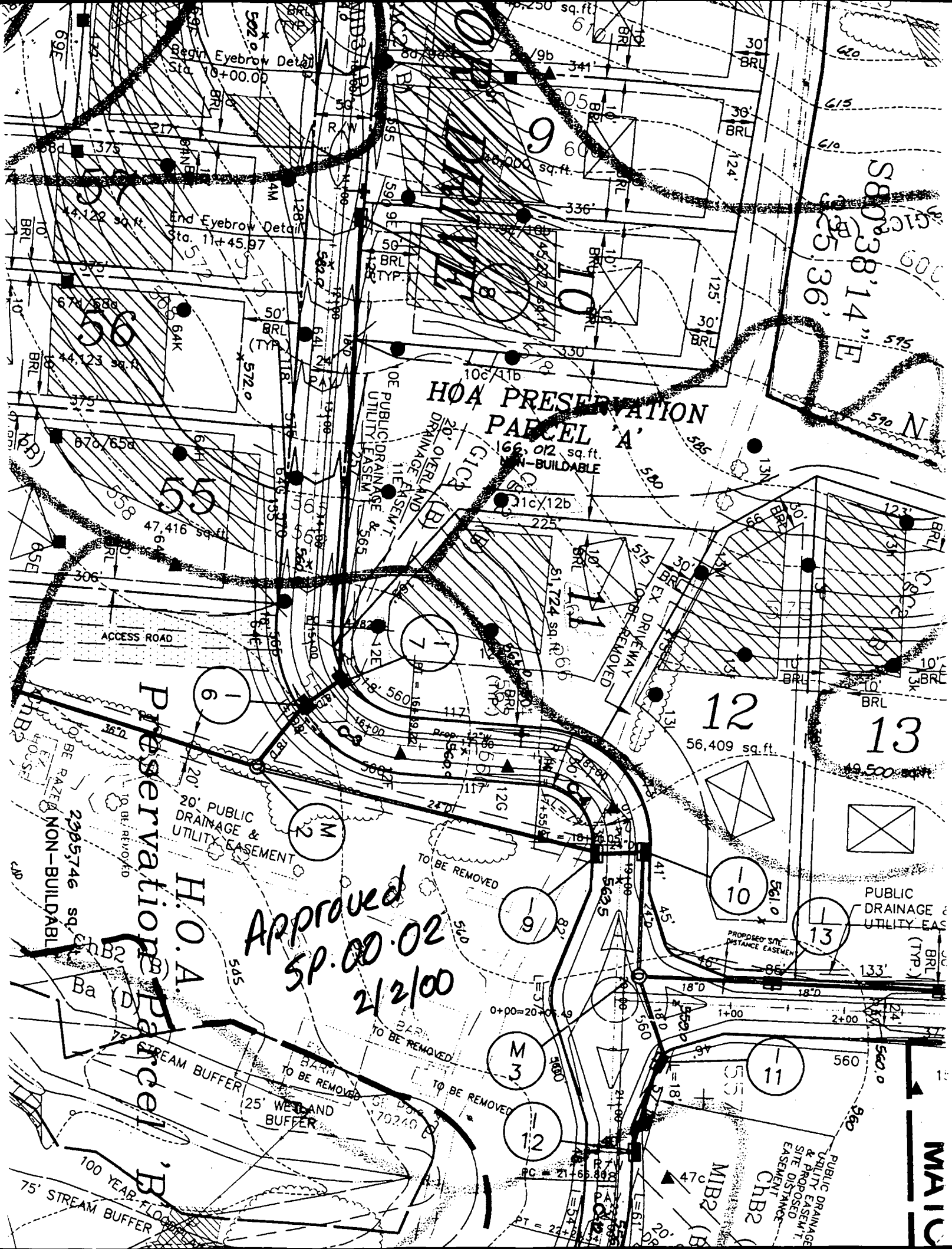
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM



Approved
SP.00.02
2/2/00

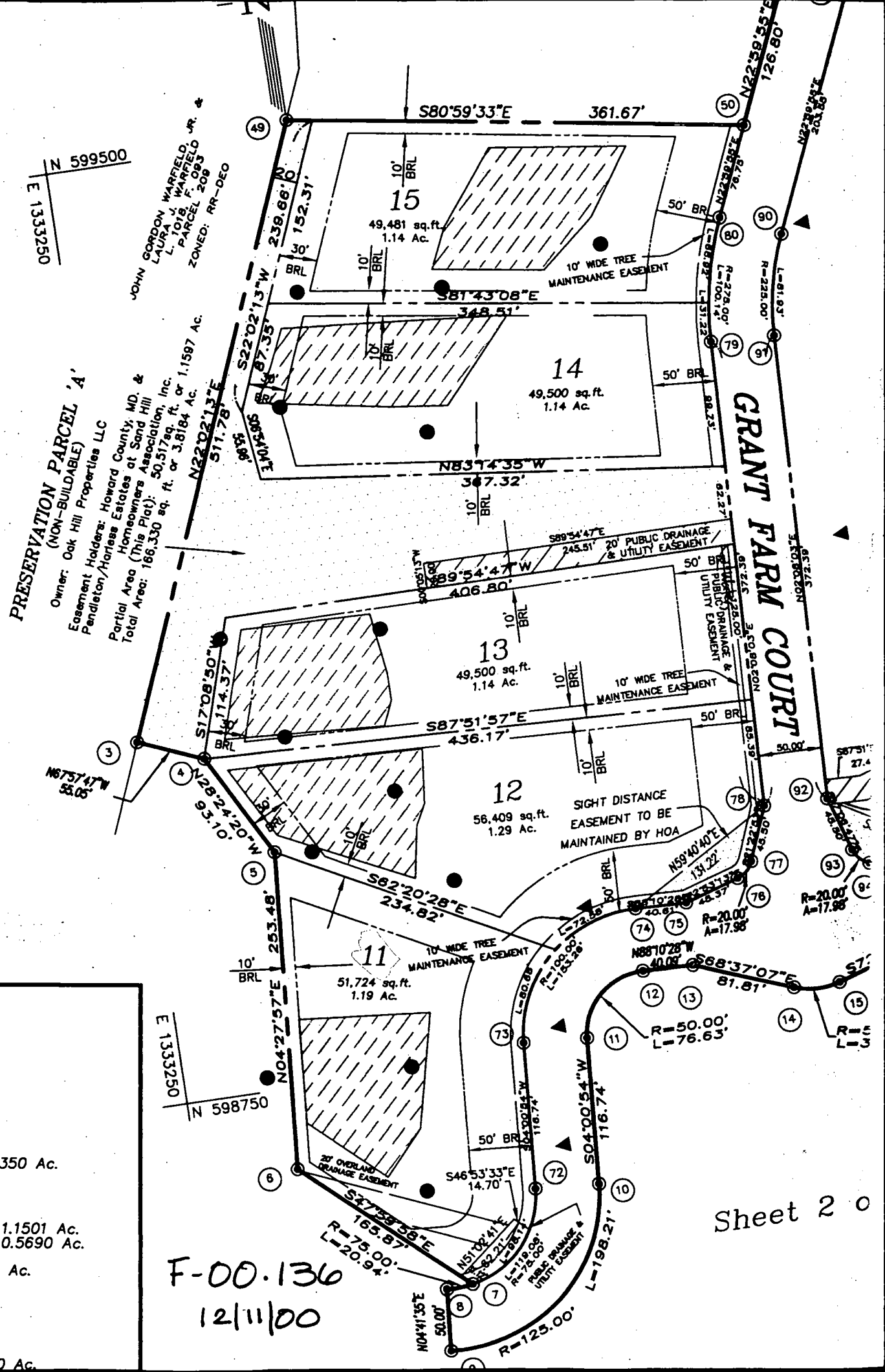
- 1333662.5508
- 1333738.7281
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- 1333971.5723
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- 1333802.8658
- 1333852.4094
- 1333867.5189
- 1333879.4140
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- 1333945.4195
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- 1334513.0179
- 1334659.3356
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- 1333521.1323
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- 1333708.0170
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- 1333737.3439
- 1333751.2116
- 1333772.8793
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- 1334392.6207
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- 1334070.1496
- 1333939.1570
- 1333916.2382
- 1333898.4352
- 1333818.9050
- 1333801.1770
- 1333787.3092
- 1333800.6982
- 1333812.5214
- 1333865.8253
- 1333919.6580
- 1333980.4449
- 1334355.6984
- 1334409.7757

ABULATION

PARCELS - 17

ace - 1
 Parcel - 0
 ition Parcel - 2
 OR PARCELS - 22.8350 Ac.
 .68 Ac.
 ace - 5.7791 Ac.
 tion Parcels:
 ervation Parcel A - 1.1501 Ac.
 ervation Parcel B - 0.5690 Ac.
 F-OF-WAY - 3.3172 Ac.
 - 1.5598 Ac.
 .0145 Ac.
 29 Ac.

this Plat - 00.00 Ac.



F-00.136
 12/11/00