

LAYOUT 4/24/02 1:00 INSP 4 Pump Test 6/25 Noon
 INSP 2 4/25/02 2:30 INSP 5 _____
 INSP 3 4/26/02 Anytime INSP 6 _____
 ISSUE DATE: 4/22/2002

APPROVAL DATE: 6/25/02

**PERMIT
INDEXED**

P 516744
 A 5114 ^{35-M}

RPS# 334473

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

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 580 Obrecht Road PHONE NUMBER: 410-795-5670

SUBDIVISION: The Estates @ Sandhill LOT NUMBER: 13

ADDRESS: 2105 Grant Farm Court PROPERTY OWNER: Oak Hill Property

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: 180

LINEAR FEET OF TRENCH REQUIRED: 240

TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 4.0 feet below original grade. Effective area begins at 2.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Facing the lot from Grant Farm Court, place the distribution box 15 feet from the rear lot line and 20 feet from the left lot line. Run three 80' trenches to the right lot line on contour.
NOTES:	Gravity basement service is proposed. Well on lot not a concern; public water service provided.

PLANS APPROVED: Steven Krieg 4/22/02 OK BB DATE: 2/12/2002

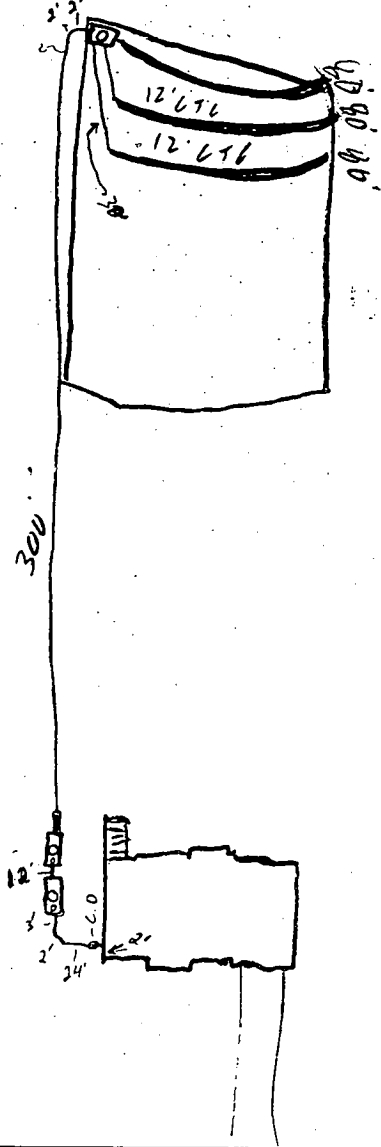
- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND 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

4-1504 BOD 47472-DECK

5114 35-M

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	2'	4'
NUMBER OF TRENCHES		3
TOTAL LENGTH		240'
ABSORPTION AREA		720'
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	24"
BAFFLES	1/2
BAFFLE FILTER	/
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST	/
SEPTIC TANK 2 LEVEL	/
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	30"
BAFFLES	1/2
BAFFLE FILTER	/
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST	/

PUBLIC WATER

Grant Farm Ct

ROAD

PRE-CONSTRUCTION 4/24/02 - layout for B.P. (SO)

INSTALLATION 4/24/02 Tanks set, dosing line installed, needs house conn (SO)

4/25/02 Tanks covered (SO) 4/26/02 OK to cover all work.

Pump & Alarm test needed (SO) 6/25/02 Pump non-operational (KW)

6/25/02 3pm. Pump & alarm functional. Verified house conn (KW)

FINAL INSPECTOR Kacie Noonan

DATE OF APPROVAL 6/25/02

RECEIVED AND RETURNED



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., Acting County Health Officer

June 26, 2002

Oak Hill Properties
107 Loudoun Street, SE
Leesburg, VA 20175

RE: The Estates @ Sandhill, Lot # 13
2105 Grant Farm Court
BP# B00133854
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 6/25/2002.**

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

Brian Baker

Brian Baker,
Registered Environmental Sanitarian
Well & Septic Program

SRK

cc: Building Inspector's Office
File

NORTH

PVT. DIST. BOX

Total linear feet of trench required 240 feet

Width of trench(es) 3 feet

Depth of trench(es) 4.0 feet

Depth of stone required below 12 feet

Distribution pipe 2.0 feet

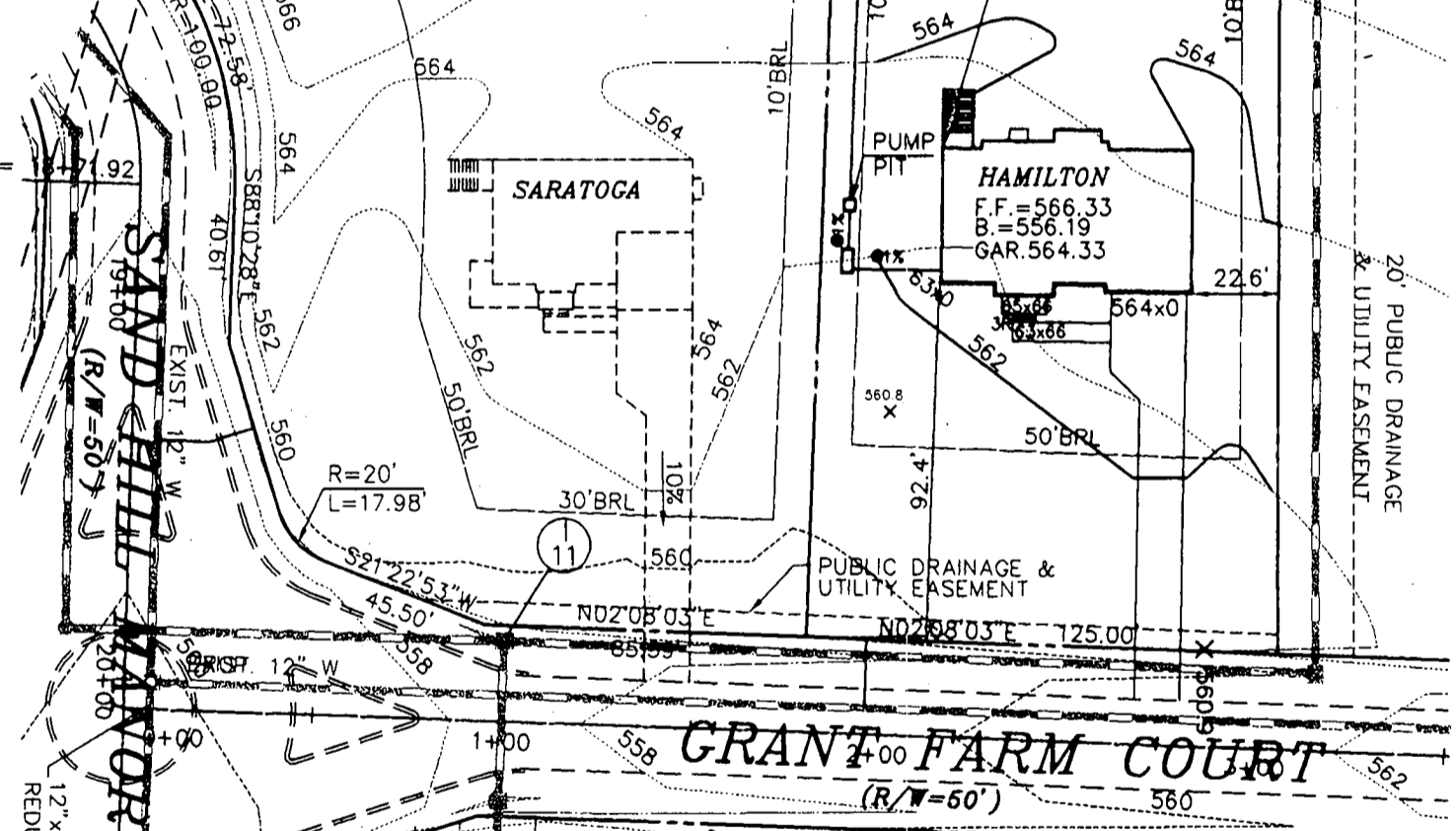
Approved Septic System Plan
Howard County Health Department

Handwritten: 4/11/02
Signature

AMENDED
SITE PLAN OK
MR 4/11/02

HOA PRESERVATION
PARCEL 'A'
3.8088 AC.
NON-BUILDABLE

13
49,500 sq. ft.
1.14 Ac.

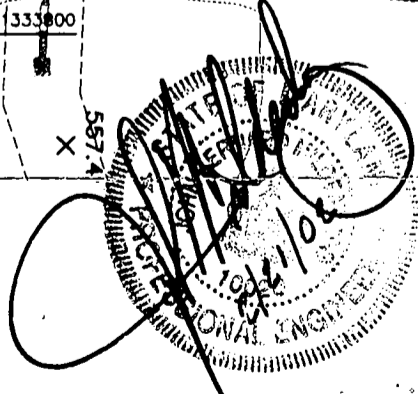


REVISED 300133854

Date: 4-10-02

Comments: *Electrical change*

- FIRST FLOOR EL. = 566.33
- INV. OUT OF HOUSE = 559.20
- INV. IN SEPTIC TANK = 559.00
- INV. OUT OF SEPTIC TANK = 558.75
- EXIST. EL. AT SEPTIC TANK = 562.00
- PROP. EL. AT SEPTIC TANK = 562.00
- INV. IN PUMP PIT = 558.65
- EXIST. EL. AT DIST. BOX = 584.00
- INV. IN DIST. BOX = 581.00



G.P. # 02-07
PLAT # 14580-14585

NO GRAVITY SEWER TO THE BASEMENT

THE ESTATES AT SAND HILL

PLOT PLAN LOT # 13
2105 GRANT FARM COURT

**MILDENBERG,
BOENDER & ASSOC., INC.**
Engineers Planners Surveyors

ELECTION DISTRICT: 3 TAX MAP: 16 HOWARD COUNTY, MARYLAND
DRAWN BY: M.M.P. SCALE: 1"=50' DATE: FEBRUARY 21, 2002

5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Ball (301) 621-5621 Wash. (410) 997-0296 Fax.

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

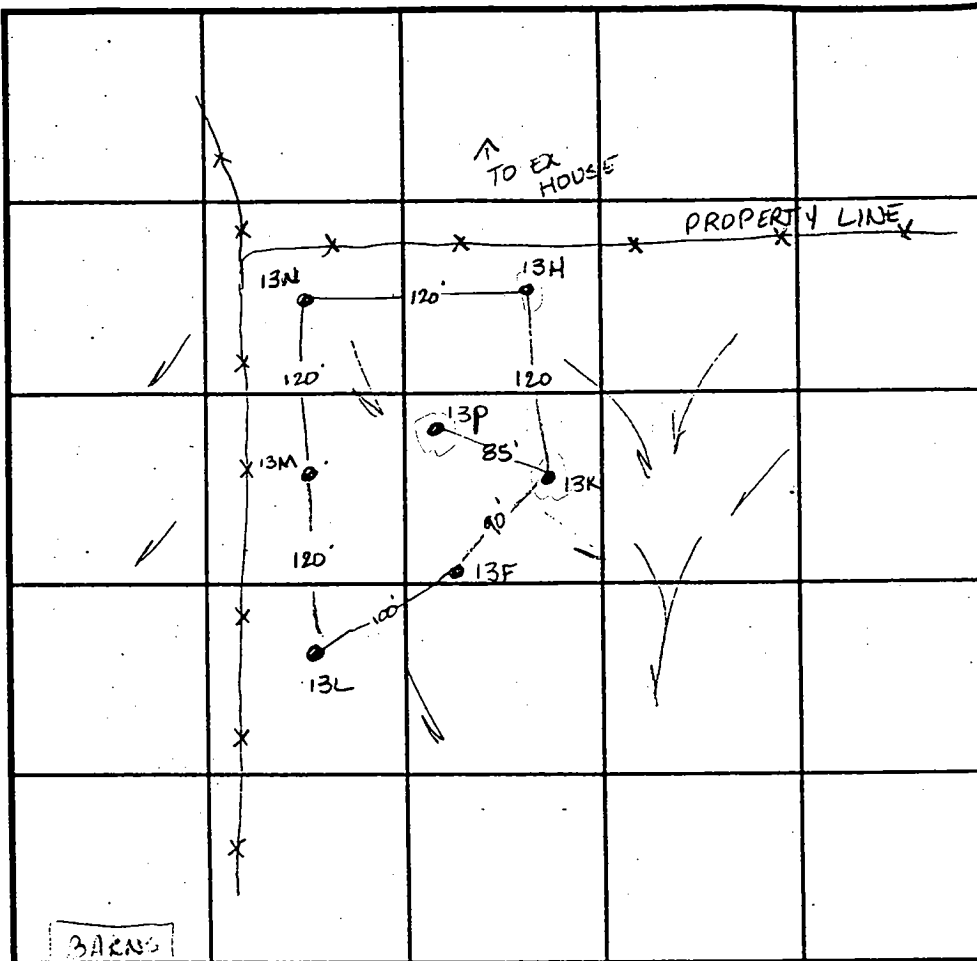
0' SOIL PROFILE 13L 13M
 13H 13P
 dark red brown SicILM
 3.0 dark pink red Salm
 micaceous 20% shale
 10.0

13N

dark red brown SicILM
 1.9t orange brown Salm
 micaceous 30% shale
 ↓

13K

no distinct clay layer
 dark red Salm
 micaceous pockets of white/or decayed Fe/Ox par refusal
 @ 10.0'
 > 50% R_x @ 9.0'



SOIL PROFILE

0' SOIL PROFILE 13T
 3.0 dark red brn SicILM
 dark pink red micaceous Salm
 30% shale pockets
 15-20% R_x throughout
 10.0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-13-99	13L	5.5 V12.0	11:12	11:13	11:13	11:15	2min
	13M	Visual to 12.0	- see profile		---		OK
	13N	5.0 V12.0	11:26	11:27	11:27	11:28	1min
		8.0 V12.0	11:26	11:29	11:29	11:32	3min
	13H	Visual to 12.0	- see profile		---		OK
	13K	2.5' V10.0	11:27	11:30	11:30	11:33	3min
	13P	Visual to 12.0	- see profile		---		OK
	13f	9.5 V12.0	11:46	11:50	11:50	11:54	4min

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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THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE
17e 13e

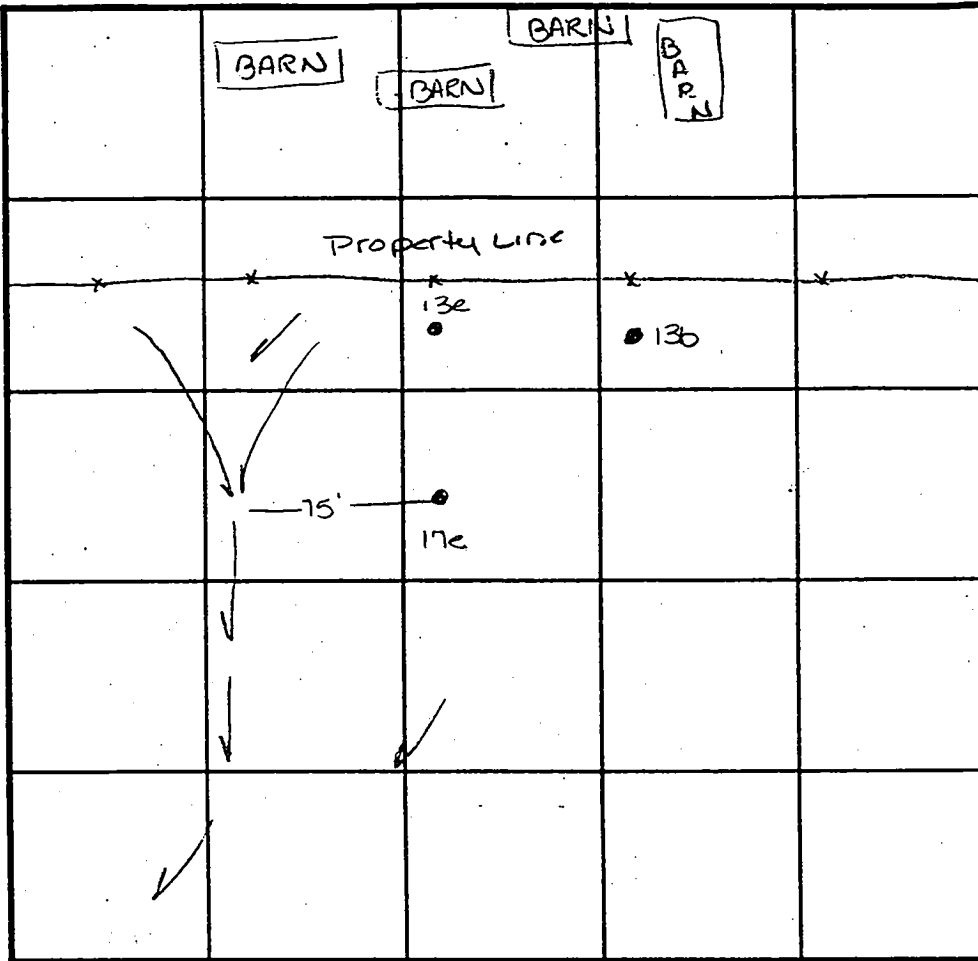
heavy red
SiCLM

dark red to pink
SiSalm
micaceous
20% shale
dry

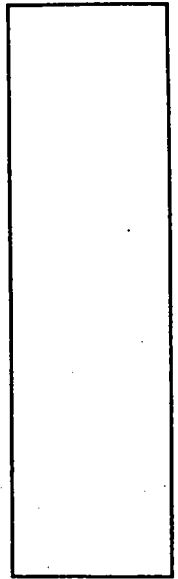
13b

dark red brown
SiCLM

dark red
Salm
micaceous
w/ pockets of
decayed feldspar



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-7-99	17e	4.0 VII.0	3:21	3:23	3:23	3:25	2mn
	13b	4.5 VII.0	3:25	3:27	3:27	3:29	2mn
	13e	Visual to 11.5	- see profile		—		OK

REMARKS _____

TYPE OF SOIL _____

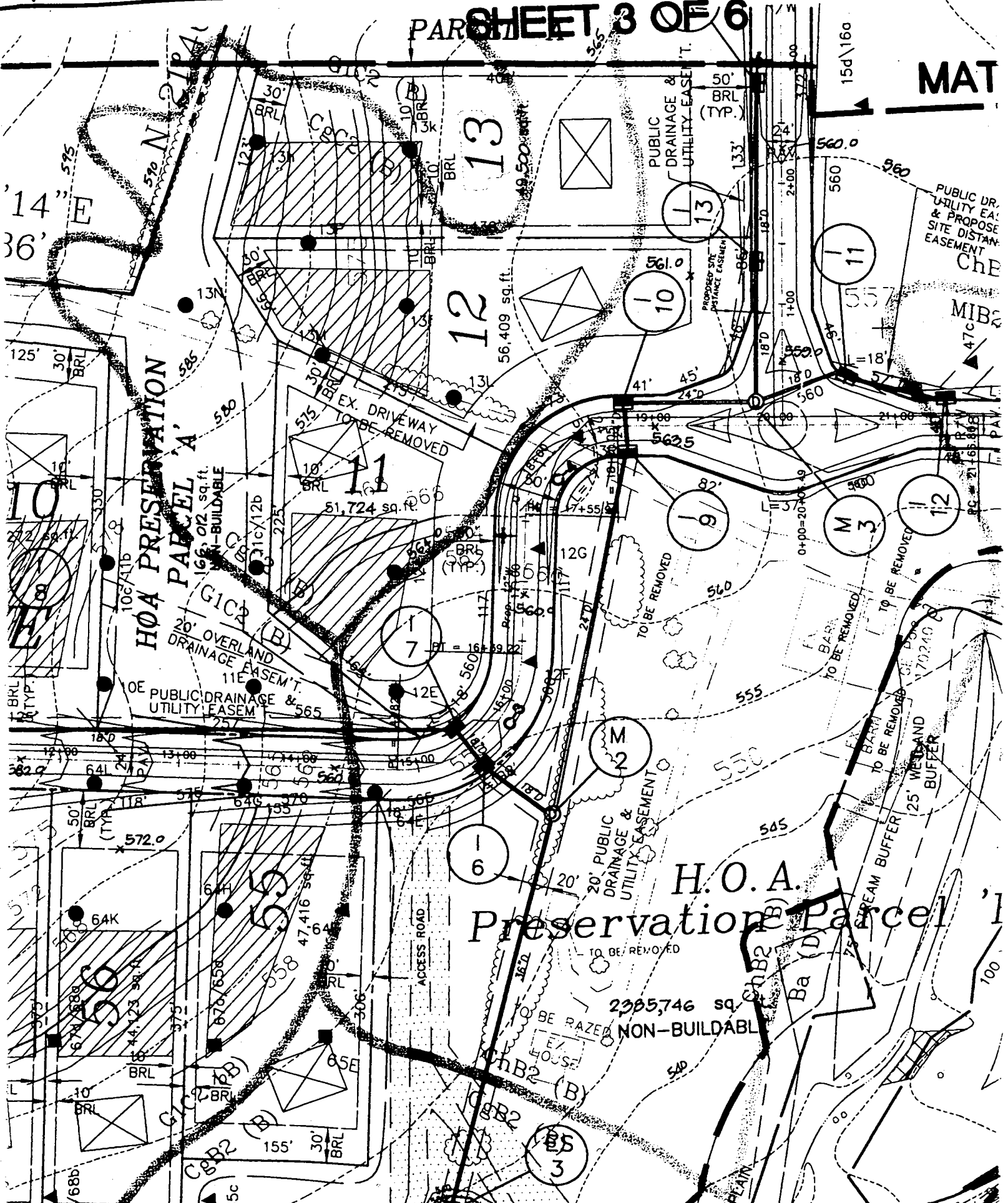
TESTED BY Amy McMillan ALSO PRESENT Ketheman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

PAR SHEET 3 OF 6

MAT



- 1333062.3306
- 1333738.7281
- 1333774.9637
- 1333876.8998
- 1333918.3839
- 1333971.5723
- 1333445.6542
- 1333802.8658
- 1333852.4094
- 1333867.5189
- 1333879.4140
- 1333928.7974
- 1333945.4195
- 1334076.4121
- 1334121.2953
- 1334239.0982
- 1334253.1260
- 1334405.8271
- 1334435.8068
- 1334513.0179
- 1334659.3356
- 1334707.7145
- 1334518.2005
- 1334430.2347
- 1334389.9321
- 1334135.8715
- 1334116.3118
- 1334368.7546
- 1334346.8258
- 1333512.9583
- 1333521.1323
- 1333624.0723
- 1333664.6569
- 1333708.0170
- 1333720.7554
- 1333737.3439
- 1333751.2116
- 1333772.8793
- 1334408.5205
- 1334392.6207
- 1334239.9197
- 1334207.1882
- 1334089.3853
- 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

N 599500
E 1333250

PRESERVATION PARCEL 'A'
(NON-BUILDABLE)
Owner: Oak Hill Properties LLC
Easement Holders: Howard County, MD & Pendleton/Horless Estates at Sand Hill
Partial Area (This Plot): 50,517 sq. ft. or 1.157 Ac.
Total Area: 166,330 sq. ft. or 3.8184 Ac.

JOHN GORDON WARFIELD, LAURA J. WARFIELD JR. & L. PARCEL 208
ZONED: RR-Deo

GRANT FARM COURT

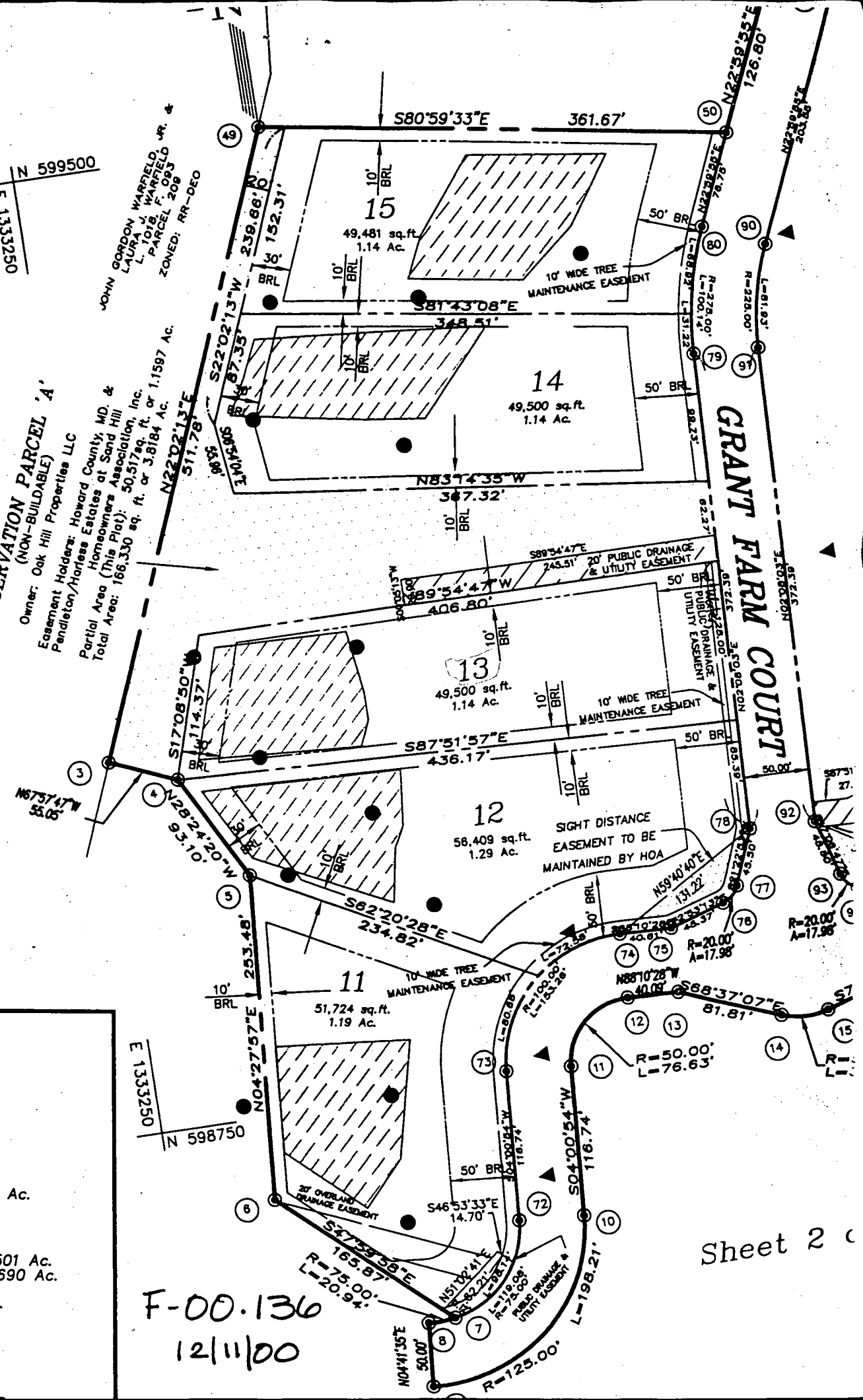
REGULATION

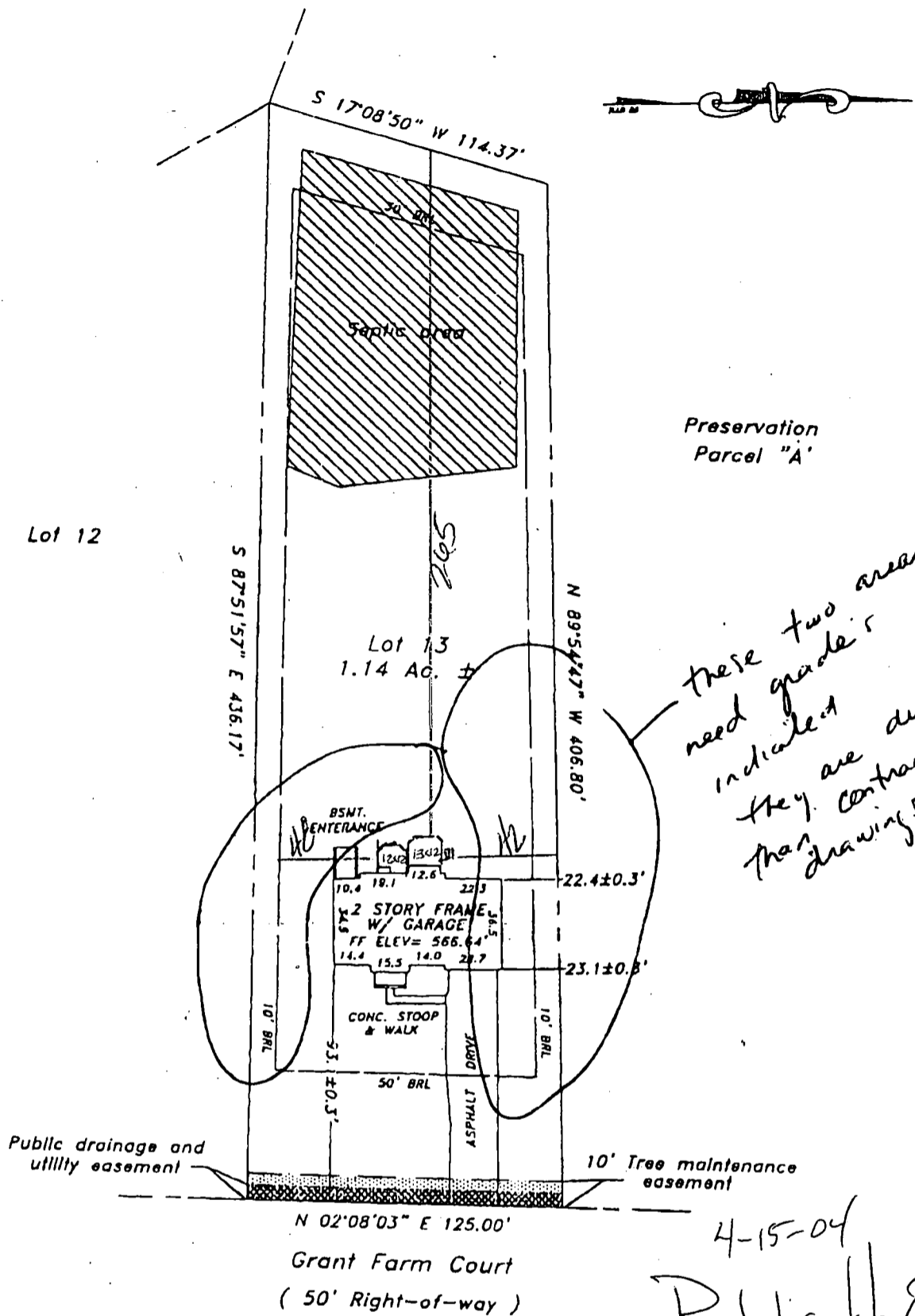
PARCELS - 17

- Area - 1
- Parcel - 0
- Preservation Parcel - 2
- DR PARCELS - 22.8350 Ac.
- Area - 68 Ac.
- Area - 5.7791 Ac.
- Preservation Parcels:
- Preservation Parcel A - 1.1501 Ac.
- Preservation Parcel B - 0.5690 Ac.
- Right-of-Way - 3.3172 Ac.
- Area - 1.5598 Ac.
- Area - 0.0145 Ac.
- Area - 0.09 Ac.

F-00.136
12/11/00

Sheet 2 of 2





*these two areas
need grade's
indicated
they are different
than drawings*

*4-15-04
Public H₂O*

*NO Septic
Concerns*

(RM)

Lot 13
The Estates at Sand Hill
Plat No. 14582
Election district No. 3
Howard County, Maryland

Address No.: 2105 Grant Farm Court

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

Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Balt. (301) 621-6521 Wash. (410) 997-0298 Fax.



FOUNDATION	DATE: 03/04/02	FINAL	DATE: 06/19/02
DRAWN BY: JLM - D. FOGEL		SCALE: 1" = 60'	
PROJECT NO.: 2000-064		LOCATION DRAWING	