

4/1/97  
WPT anytime  
4/1/97  
CO. 10:00  
4/7/97 12:00

09.351266

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

# INDEXED

P 58057

A 43280

DISTRICT 4th

DATE 3-31-97

DATE SYSTEM APPROVED 4/7/97

INSPECTOR KRM

**HOWARD COUNTY HEALTH DEPARTMENT**  
BUREAU OF ENVIRONMENTAL HEALTH  
~~XXXXXXXX~~ 313-2640

William T. Cumberland IS PERMITTED TO INSTALL X ALTER

ADDRESS 16391 A.E. Mullinix Road Woodbine, MD 21797 PHONE 854-6838

SUBDIVISION Cattail Creek Country Club LOT 34 ROAD 3617 Black Walnut Lane

PROPERTY OWNER Michael Adams

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

**LOG. PERMIT SIGNED  
AND RETURNED 6-11-97**  
*Serial # 200106217*  
*Improved pool.*

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 245 from the front lot line and 55 from the right lot line. Trenches to follow contour toward right side of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *11/27/96 OK ALM*

PLANS APPROVED BY C. Williams DATE 11/19/96

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

A  
43280



# APPLICATION

PERCOLATION TESTING

A 43280

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT 4

DATE 12/9/88

TO THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Michael Adams  
Egewood Farm Inc C/o Land Design + Development

ADDRESS 8307 Main St PHONE 461-4620

PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION: \_\_\_\_\_

SUBDIVISION Clark Symmons Valley LOT NO. 43 New #36

ROAD AND DESCRIPTION Roxbury + Dorsey Mill (3617 Black Walnut Lane)

PERMIT SIGNED \_\_\_\_\_

TAX MAP 21 PARCEL # 6  
AND RETURNED 11/19/96  
Serial # BR 113053

SIZE OF LOT - 3.47 AC. TYPE BLDG. SFD  
(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.

Mal Davis  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

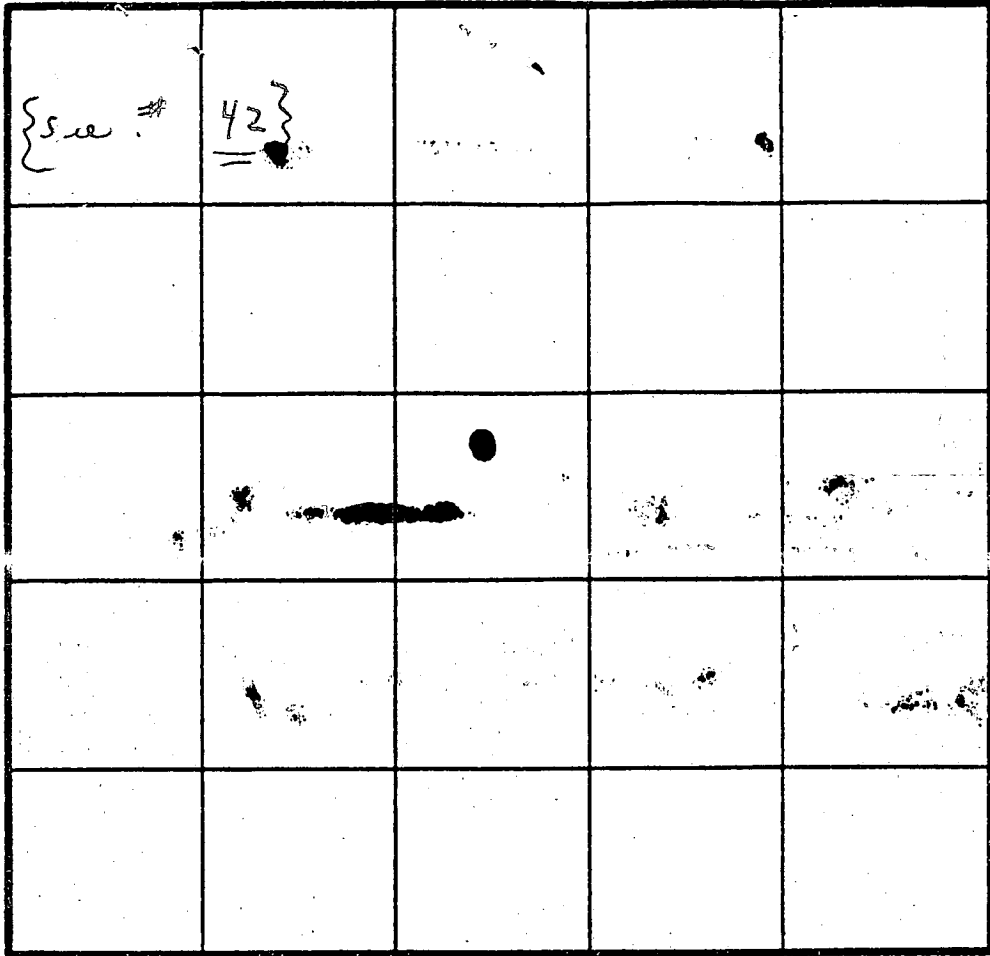
HD-216

# THIS IS NOT A PERMIT

A # 43280

New # 36

43



SOIL PROFILE

CLAY  
TO  
LOAM

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Road

average time  
4 min  
inlet 5/2

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/5/89		'	:	:	:	:	
		'	:	:	:	:	
		'	:	:	:	:	
		'	:	:	:	:	
		'	:	:	:	:	
		'	:	:	:	:	
		'	:	:	:	:	
		'	:	:	:	:	
		'	:	:	:	:	
		'	:	:	:	:	

REMARKS 1/5/89 Tests near stake, Tests in open

TYPE OF SOIL see # 43

TESTED BY C. B. A.

ALSO PRESENT { Same as #9 }

New # 35

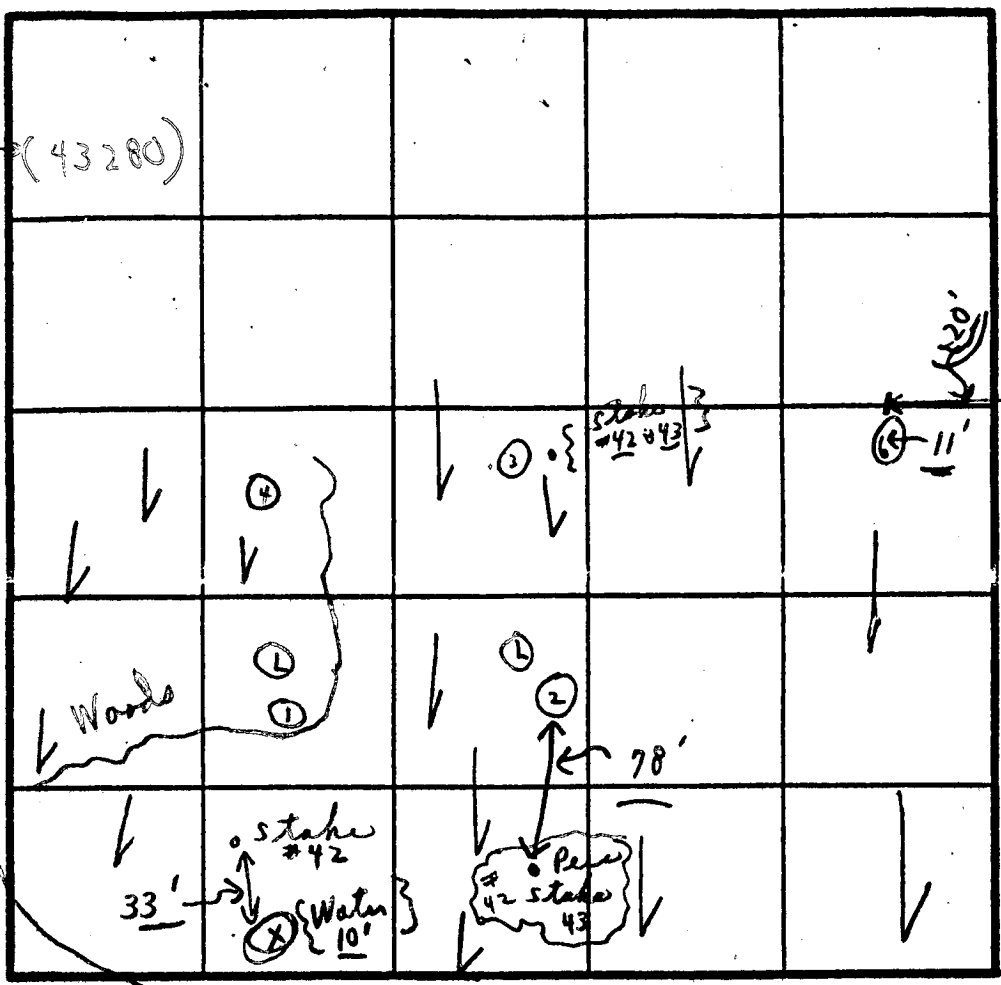
43279

#42

+43 (43280)

SOIL PROFILE

6.6 ft  
to  
LOAM  
light



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Road

average  
Time 4 min  
Depth 5'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/5/89	①	5'	2:03	2:04	2:04	2:07	3 min	
		13'	:	:	:	:		
	②	4 1/2'	2:00	2:02	2:02	2:05	3 min	
		13'	:	:	LOAM	:		
	③	5 1/2'	2:10	2:13	2:13	2:16	3 min	
		8 1/2'	2:11	2:13	2:13	2:17	4 min	
	④	4 1/2' to 12 1/2'	Loam light to white					
		12 1/2'						
	⑤	3 1/2'	2:33	2:35	2:35	2:38	3 min	
		11' 8"			LOAM	light colored		
	⑥	6'	2:28	2:30	2:30	2:32	2 min	
		11'	LOAM collect from					

1-3 1/2' Clay  
3/2-13  
white loam  
1'-5 1/2' Clay  
White

Depth in bottom  
Only in bottom  
12' Deep

REMARKS 1/5/89 Tests in open; tests per stake #42 = #43 =

TYPE OF SOIL \_\_\_\_\_  
TESTED BY C.B. [Signature] ALSO PRESENT { Same as #93 }

C1 1341 SEQUENCE NO. (DENV USE ONLY)  
 1 2 3 6  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND  
 WELL COMPLETION REPORT  
 FILL IN THIS FORM COMPLETELY  
 PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.  
 COUNTY NUMBER A# 43280

ST/CO USE ONLY  
 DATE Received

DATE WELL COMPLETED  
 04/19/90

Depth of Well  
 22 325 26  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
 10-99-1221

OWNER CYCAMORE VALLEY EAST MEADOWS  
 STREET OR RFD BROAD LEAF COURT TOWN GLENELL  
 SUBDIVISION CYCAMORE VALLEY SECTION 1 LOT 33 34

**WELL LOG**  
 Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
Top Soil	0	2	
Shale	2	10	
Mika	10	30	
Sandstone	30	35	<input checked="" type="checkbox"/>
Mika	35	70	
Sandstone	70	75	<input checked="" type="checkbox"/>
Mika	75	325	

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (Circle Appropriate Box)  Y  N  
 TYPE OF GROUTING MATERIAL  
 CEMENT  CM BENTONITE CLAY  BC  
 NO. OF BAGS 5 NO. OF POUNDS 50  
 GALLONS OF WATER 30  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 2 ft. to 15 ft.  
 (enter 0 if from surface)

**CASING RECORD**  
 casing types insert appropriate code below  
 ST  CO  
 STEEL CONCRETE  
 PL  OT  
 PLASTIC OTHER  
 MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)  
 PL  /  21  /  70

**OTHER CASING (if used)**  
 diameter inch depth (feet) from to

**SCREEN RECORD**  
 screen type or open hole insert appropriate code below  
 ST  BR  HO  
 STEEL BRASS OPEN HOLE  
 PL  OT  
 PLASTIC OTHER

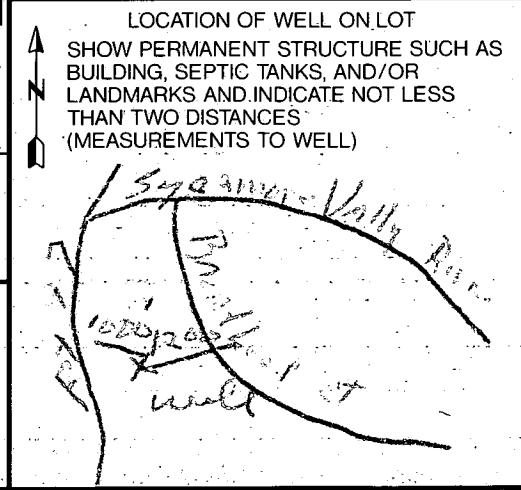
**C 2**  
 DEPTH (nearest ft.)  
 1 10 21 304  
 2 23 24 26 30 32 36  
 3 38 39 41 45 47 51  
 SLOT SIZE 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_  
 DIAMETER OF SCREEN \_\_\_\_\_ (NEAREST INCH)  
 from \_\_\_\_\_ to \_\_\_\_\_

GRAVEL PACK \_\_\_\_\_  
 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)  
 T (E.R.O.S.) W Q  
 70  72  74 75 76  
 TELESCOPE CASING LOG INDICATOR OTHER DATA

**C 3**  
**PUMPING TEST**  
 HOURS PUMPED (nearest hour) 6  
 PUMPING RATE (gal. per min. to nearest gal.) 1  
 METHOD USED TO MEASURE PUMPING RATE Tribe +  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING 31  
 WHEN PUMPING 15  
 TYPE OF PUMP USED (for test)  
 A air  P piston  T turbine  
 C centrifugal  R rotary  O other (describe below)  
 J jet  S submersible

**PUMP INSTALLED**  
 DRILLER WILL INSTALL PUMP YES  NO   
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE  
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:  29  
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) \_\_\_\_\_  
 PUMP HORSE POWER \_\_\_\_\_  
 PUMP COLUMN LENGTH (nearest ft.) \_\_\_\_\_  
 CASING HEIGHT (circle appropriate box and enter casing height)  
 + above } - LAND SURFACE  
 - below } 1 (nearest foot)



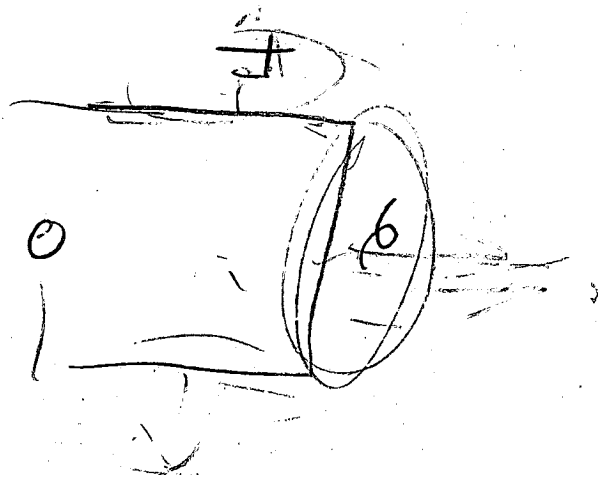
CIRCLE APPROPRIATE LETTER  
 A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED  
 E ELECTRIC LOG OBTAINED  
 P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

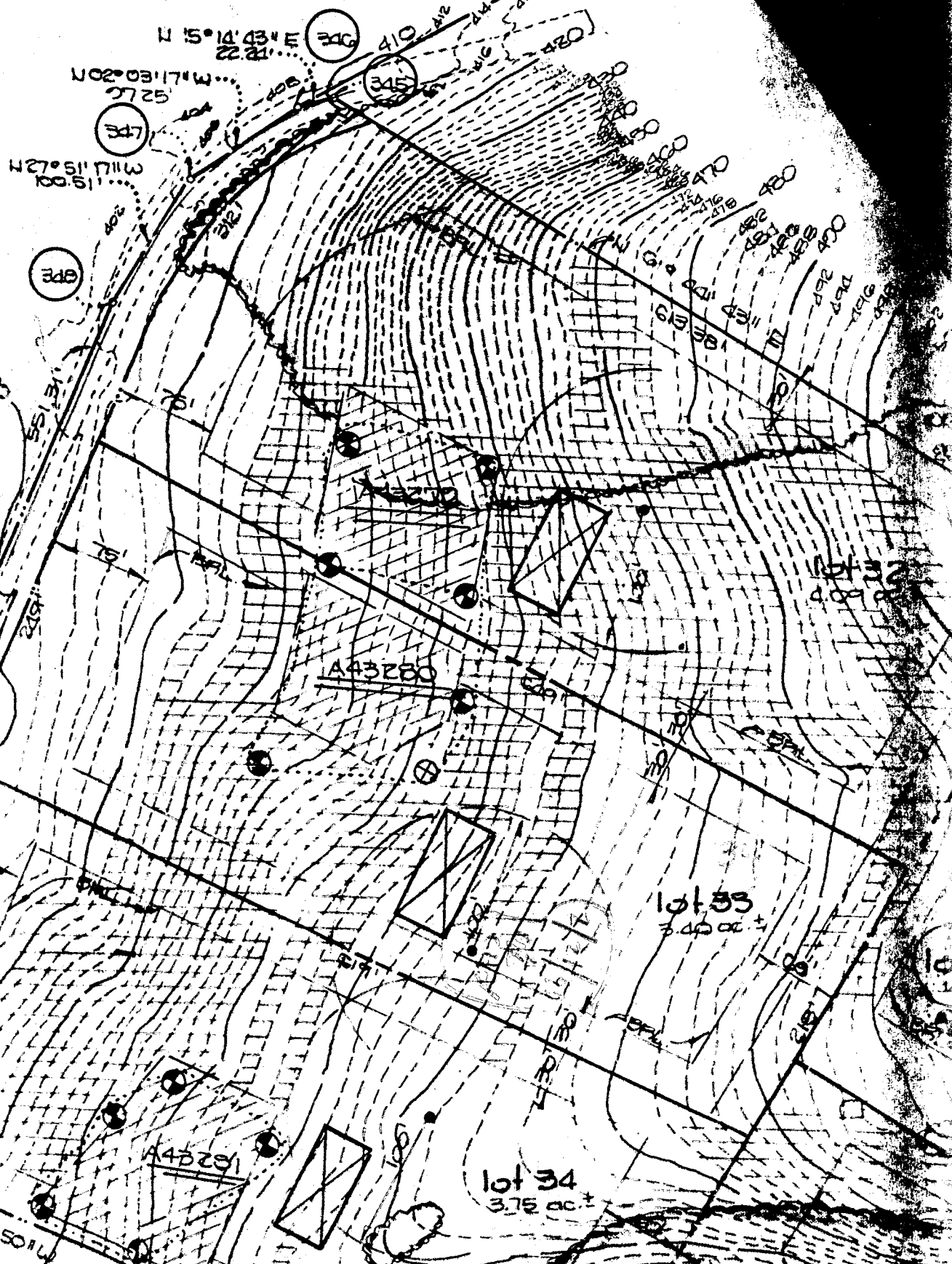
DRILLERS IDENT. NO. 453  
 DRILLERS SIGNATURE [Signature]  
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) [Signature]

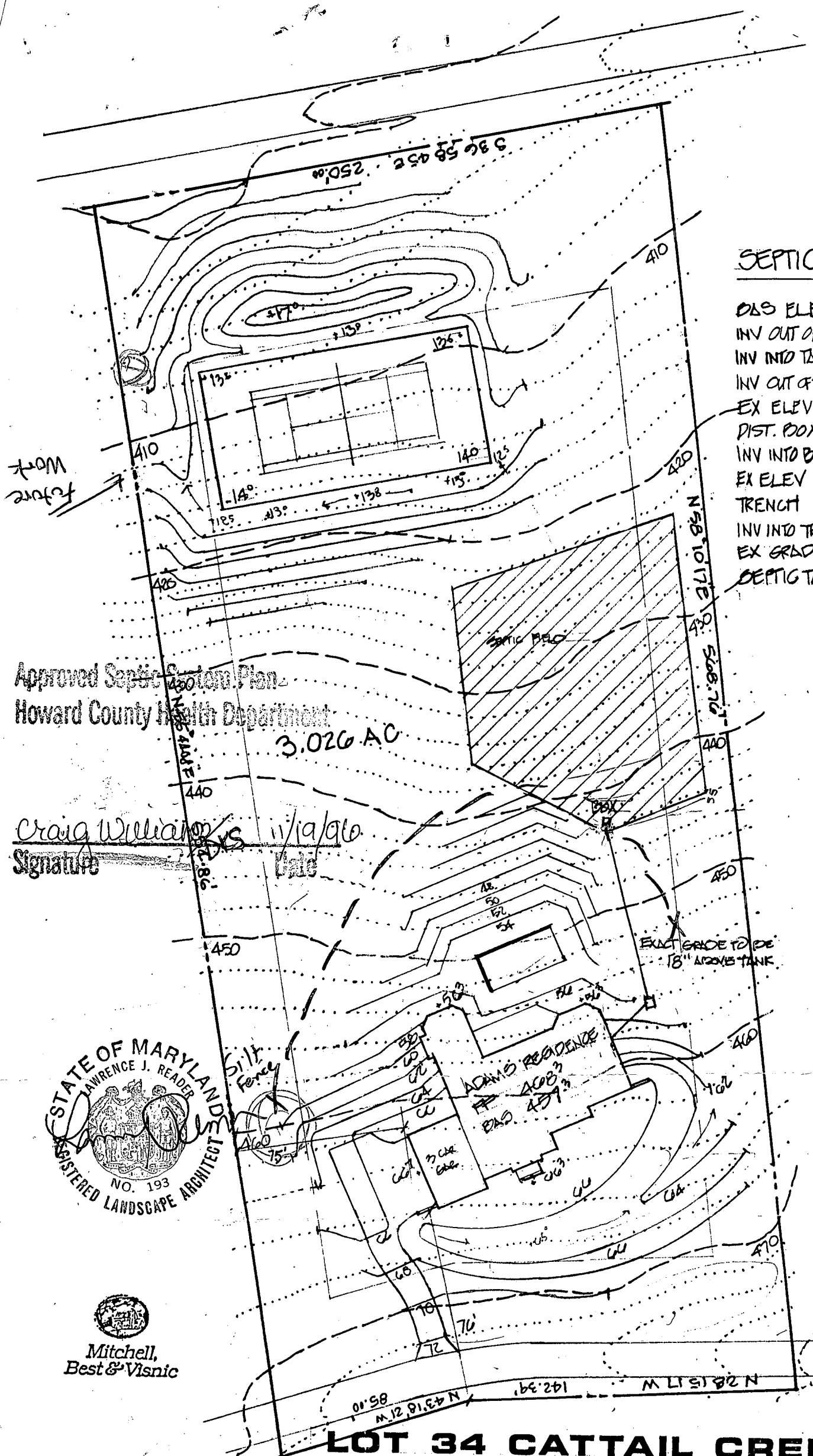


PLUT



Public Road  
80' r/w



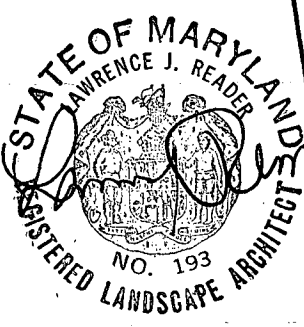


**SEPTIC**

- D&S ELEV 457<sup>3</sup>
- INV OUT OF HOUSE 453<sup>3</sup>
- INV INTO TANK (23) 452<sup>8</sup>
- INV OUT OF TANK 452<sup>5</sup>
- EX ELEV @ DIST. BOX 443<sup>0</sup>
- INV INTO BOX 440<sup>0</sup>
- EX ELEV @ TRENCH 443<sup>0</sup>
- INV INTO TRENCH 439<sup>5</sup>
- EX GRADE @ SEPTIC TANK 456<sup>1</sup>

Approved Septic System Plan  
 Howard County Health Department  
 3.026 AC

Craig Williams  
 Signature  
 11/19/96  
 Date



Mitchell,  
 Best & Visnic

LAWRENCE READER ASSOCIATES, INC.  
 landscape architecture / site planning / recreation planning  
 13004 spencerville court / suite 102 / burtonsville md 20866-6600  
 telephone 301-384-3026 / fax 301-384-8696

**LOT 34 CATTAIL CREEK**

1" = 50'

RESITE 11/4/96

REV 9/27/96 LRD  
 10/28/96 RD

# Approved Septic System Plan Howard County Health Department

*Kimberly M. Reader* 6-11-97  
Signature Date

## SEPTIC

- D&S ELEV 457
- INV OUT OF HALL 452
- INV INTO TANK (2x) 452
- INV OUT OF TANK 452.5
- EX ELEV @
- DIST. BOX 443.0
- INV INTO BOX 440.0
- EX ELEV @
- TRENCH 443.0
- INV INTO TRENCH 439.5
- EX GRADE @
- SEPTIC TANK 456.1

6-11-97  
Proposed pool location shows no impact on well and septic.  
(Km)



Mitchell,  
Best & Visnic

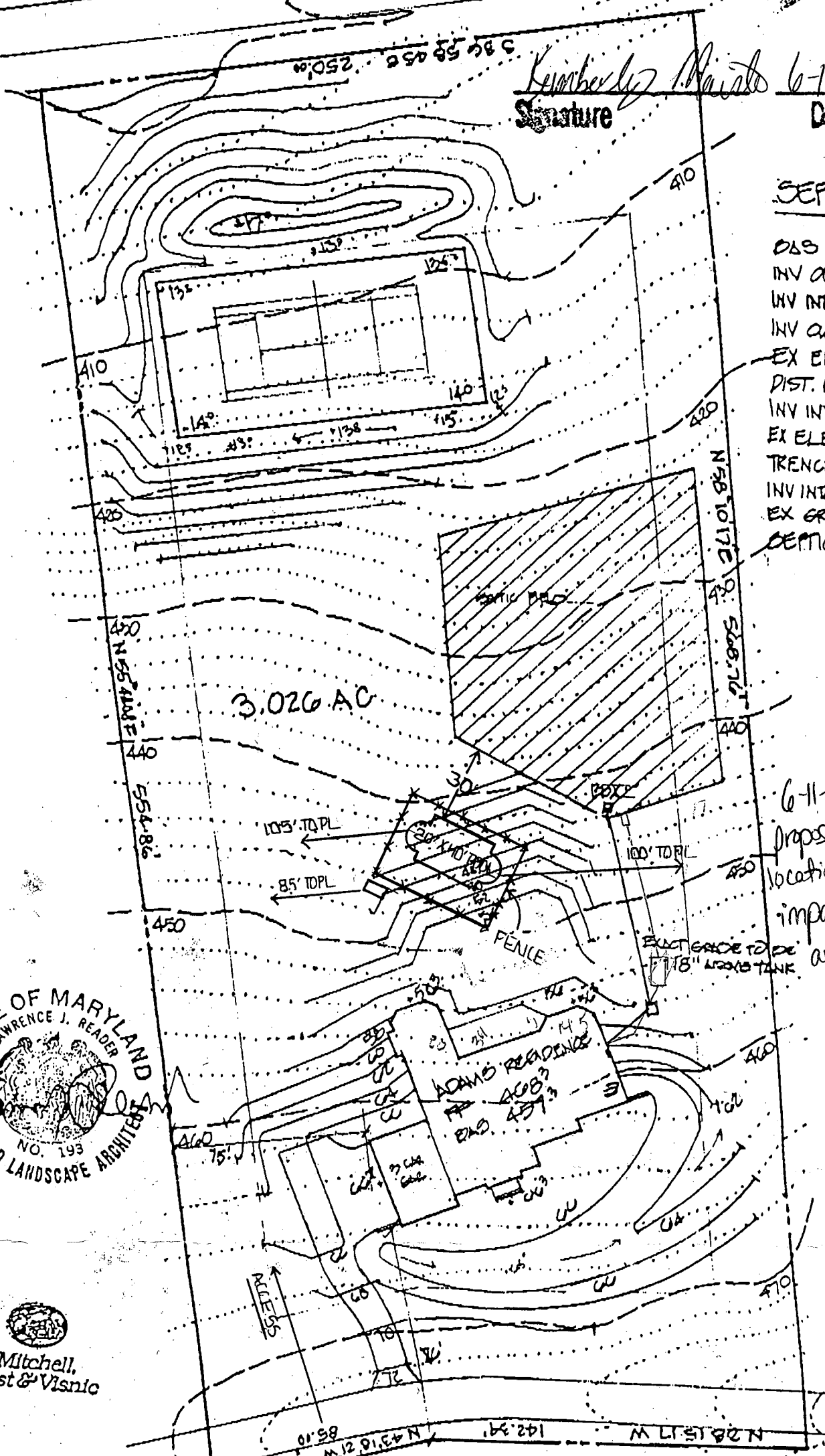
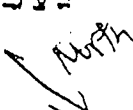
LAWRENCE READER ASSOCIATES, INC.  
landscape architecture / site planning / recreation planning  
13304 spoonville court / suite 102 / burrowsville md 20866-660  
telephone 301-384-2020 / fax 301-384-6668

### LOT 34 CATTAIL CREEK

1" = 50'

RESUME 11/2/10

9/27/06 100



# APPLICATION

PERCOLATION TESTING

A 43277

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT 4

DATE 12/9/88

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Egewood Farm Inc C/O Land Design + Development

ADDRESS 8307 Main St PHONE 461-4620

PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:  
SUBDIVISION Clark Summit Valley LOT NO. 40 <sup>New</sup> #34

ROAD AND DESCRIPTION Roxbury + Dorsey Mill See 43275  
30A+B

TAX MAP 21 PARCEL # 6

SIZE OF LOT 3.8 AC. TYPE BLDG. SFD  
(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.

Mal D. Kei  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING Percol area on part of #39  
(?) Needs new water well - per field  
discussion Water well is serving #39 House & #40 House

HD-216

# THIS IS NOT A PERMIT

A43277

(#40 ?)

(New # 34)

#40

SOIL PROFILE



1/13 see SB AREA	{ Needs new well }			=
{ #38 (This	of septic w on lots #40 + #39)			

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS (See above)

TYPE OF SOIL

TESTED BY ALSO PRESENT

# APPLICATION

33

## PERCOLATION TESTING

A 43275

P \_\_\_\_\_

DISTRICT 4

DATE 12/9/88

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE 461-9933

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Egwood Farm Inc C/O Land Design + Development

ADDRESS 8307 Main St PHONE 461-4620

PROSPECTIVE BUYER N/A OLD EX-HOUSE

ADDRESS \_\_\_\_\_ PHONE Lot 30  
Final 31

PROPERTY LOCATION:

SUBDIVISION Clark Sparrow Valley LOT NO. (38 A+B) New #33

ROAD AND DESCRIPTION Roxbury + Dorsey Mill New #34

TAX MAP 21 PARCEL # 6

SIZE OF LOT - 5.4 AC. TYPE BLDG. SFD  
(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.

Mal D. Reil  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

HD-216

# THIS IS NOT A PERMIT

(EXISTING HOMES)  
(2)

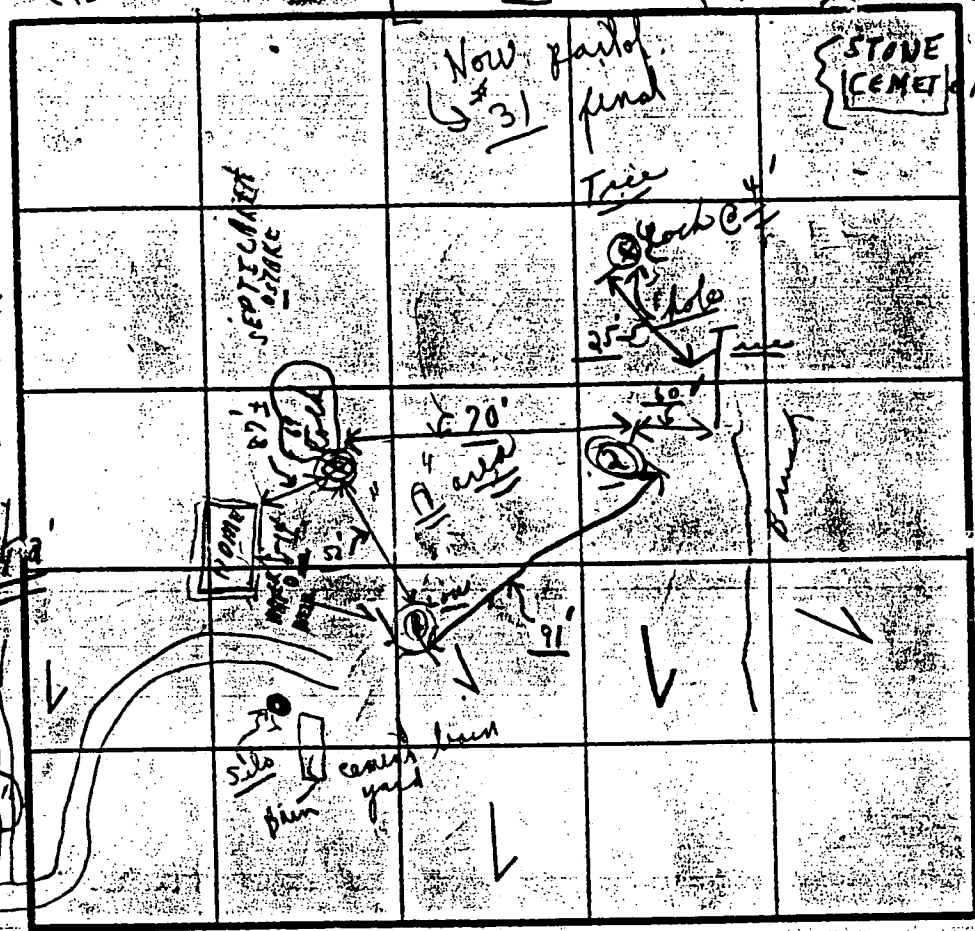
(#33) Hold(-Road) for the lot over  
(R/W)

HOWARD COUNTY HE  
BUREAU OF ENV.  
TELEPHONE

R 43275

#38 A+B

SOIL PROFILE



Both homes have septic

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

RT. 97

2 Holes only for future  
1'-3' clay  
3'-7' LOAM  
1'-3' clay  
2' LOAM  
1' 6" clay  
6' 2 1/2' LOAM  
1'-4 1/2' clay  
2'-12 1/2' LOAM  
1' - 12' clay  
1' - 12' clay

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
1/13/87	①	4'	10:28	10:31	10:31	10:35	4 min
		9 1/2'		Solid			
	A ②	3 1/2'	10:32	10:34	10:34	10:38	4 min
	= ②	10 1/2'	(Solid)				
	B ③	6'	10:56	10:59	10:59	11:06	7 min
	→ ③	13'	(6' 6" 13' LOAM)				
	→ ④	2 1/2'	11:18	11:29	11:29	11:30	12 min
	→ ④	12 1/2'	Vertical LOAM 6 1/2' to 12 1/2'				
	⑤	"NOT DUG"					
	⑥	"NOT DUG"					

22 min average  
"A" 1" inlet 1/4"  
"B" inlet 6"  
7'-9 1/2'  
5070' Rock  
7'-10 1/2'  
5090' Rock

11' 3 1/2" water from surface will into well

REMARKS: A Tests in open near home; B Test in open 1 Backhoe, 1 LOADER  
TYPE OF SOIL: 1/13/87 Holes dug before  
TESTED BY: C.B. [Signature] ALSO PRESENT: CROVO ROPPER, G. Kellerman 4 m.b.

C1 **9521** SEQUENCE NO. (MDE USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

**STATE OF MARYLAND**  
**WELL COMPLETION REPORT**  
 FILL IN THIS FORM COMPLETELY  
 PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN  
 45 DAYS AFTER WELL IS COMPLETED.  
 COUNTY NUMBER **13**

ST/CO USE ONLY  
 DATE RECEIVED

DATE WELL COMPLETED **072297**  
 Depth of Well **80**  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
**40-94-1238**

OWNER **MITCHELL E BEST**  
 STREET OR RFD **3617 BLACK WALNUT AVE** TOWN **GLEAMOND**  
 SUBDIVISION **CATAL CREEK** SECTION  LOT **34**

**WELL LOG**  
 Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
top soil	0	2	
shale	2	30	
Brown mica	30	34	
gray mica	34	45	
opening	45	55	✓
gray mica	55	80	

Note:  
 Installed 5" liner casing - plotted from 80'-20'

**GROUTING RECORD** (yes  no   
 WELL HAS BEEN GROUTED (Circle Appropriate Box)  
 TYPE OF GROUTING MATERIAL (Circle one)  
 CEMENT  BENTONITE CLAY   
 NO. OF BAGS **13** NO. OF POUNDS **1380**  
 GALLONS OF WATER **65**  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from **0** ft. to **35** ft.

**CASING RECORD**  
 casing types insert appropriate code below  
 ST STEEL  CO CONCRETE  
 PL PLASTIC  OT OTHER

**MAIN CASING TYPE**  
 Nominal diameter top (main) casing (nearest inch) **4**  
 Total depth of main casing (nearest foot) **40**

**OTHER CASING (if used)**  
 diameter inch depth (feet) from to

**SCREEN RECORD**  
 screen type or open hole insert appropriate code below  
 ST STEEL  BR BRASS  HO OPEN HOLE  
 PL PLASTIC  OT OTHER

NUMBER OF UNSUCCESSFUL WELLS: **0**  
 WELL HYDROFRACTURED

CIRCLE APPROPRIATE LETTER  
**A** A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED  
**E** ELECTRIC LOG OBTAINED  
**P** TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

TYPE **MWD/MSD/MGD**  
 DRILLERS LIC. NO. **040**  
**George T. Easterday**  
 DRILLERS SIGNATURE  
 (MUST MATCH SIGNATURE ON APPLICATION)  
 LIC. NO. **481**

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

**C 2**

E A C H S C R E E N	DEPTH (nearest ft.)	
	from	to
1	<b>80</b>	<b>80</b>
2		
3		

SLOT SIZE 1  2  3   
 DIAMETER OF SCREEN (NEAREST INCH)

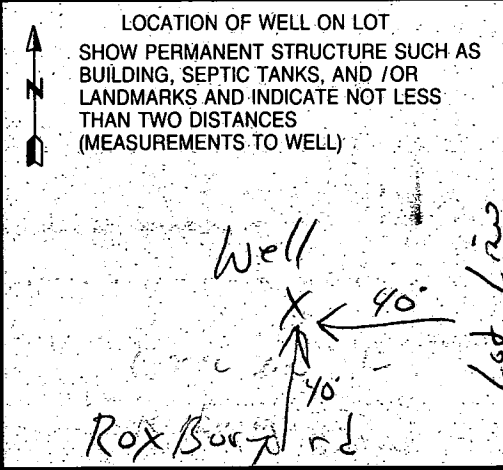
GRAVEL BACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)  
 T (E.R.O.S.)  W Q   
 TELESCOPE CASING LOG INDICATOR OTHER DATA

**C 3**

**PUMPING TEST**  
 HOURS PUMPED (nearest hour) **3**  
 PUMPING RATE (gal. per min.) **40**  
 METHOD USED TO MEASURE PUMPING RATE **Bucket**  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING **50** ft.  
 WHEN PUMPING **80** ft.  
 TYPE OF PUMP USED (for test)  
 A air  P piston  T turbine  
 C centrifugal  R rotary  O other (describe below)  
 J jet  S submersible

**PUMP INSTALLED**  
 DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO)  YES  NO  
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS:  
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29   
 CAPACITY: GALLONS PER MINUTE (to nearest gallon)   
 PUMP HORSE POWER   
 PUMP COLUMN LENGTH (nearest ft.)   
 CASING HEIGHT (circle appropriate box and enter casing height)  
 above } LAND SURFACE **2** (nearest foot)  
 below }



B 1	<b>3012</b>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <b>HO 94 - 1238</b> fill in this form completely
-----	-------------	-----------------------------	---	--

Date Received (ARA) **6/20/97**

OWNER INFORMATION **RN 7133**

**Mitchell & Best**

15 Last Name Owner First Name 34

**1684 East Gude Dr**

36 Street or RFD 55

**Rockville, Md. 20850**

57 Town 70 State 72 Zip 76

B 3 **Howard** LOCATION OF WELL **CC#**

8 COUNTY 21

**Cattail Creek**

23 SUBDIVISION 42

SECTION **34** LOT **34**

44 46 48 50

**Glenwood**

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) **1** M I

73 76 77 78

DRILLER INFORMATION

**George F. Easterday** M WD **040**

Driller's Name 76 License No. 81

**L. Franklin Easterday, Inc.**

Firm Name

**9265 Brown Church Rd., MT. Airy, Md. 21771**

Address

*George F. Easterday* **6/25/97**

Signature Date

B 4

1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

**3617 Black Walnut Lane**

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 **400** 37

DISTANCE FROM ROAD Ft.

ENTER FT OR MI 38 39

TAX MAP: **21** BLK: \_\_\_\_\_ PARCEL **6**

B 2 WELL INFORMATION

1 2 APPROX. PUMPING RATE (GAL. PER MIN.) **5**

8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**

14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

22  INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)

PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL)

TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

**HOWARD** **13**

COUNTY NAME COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S →

DATE ISSUED **7/17/97** *Halton* **7/17/98**

43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID **520 000** EAST GRID **789 000**

50 55 57 63

APPROXIMATE DEPTH OF WELL **300** FEET

24 28

APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

36 **AIR-ROTARY** AIR-PERCussion ROTARY (Hydraulic Rotary)

37 **CABLE** REVerse-ROTary DRive-POINT

other \_\_\_\_\_

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39  THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 \_\_\_\_\_ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER \_\_\_\_\_ G A P \_\_\_\_\_ 63

24

FORCE **65** WRITE INITIALS IN BOX PERMIT No. **HO 94 - 1238**

67 68 70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. **wells**

2.

3.

WRITE THE BOX NUMBER FROM THE MAP HERE

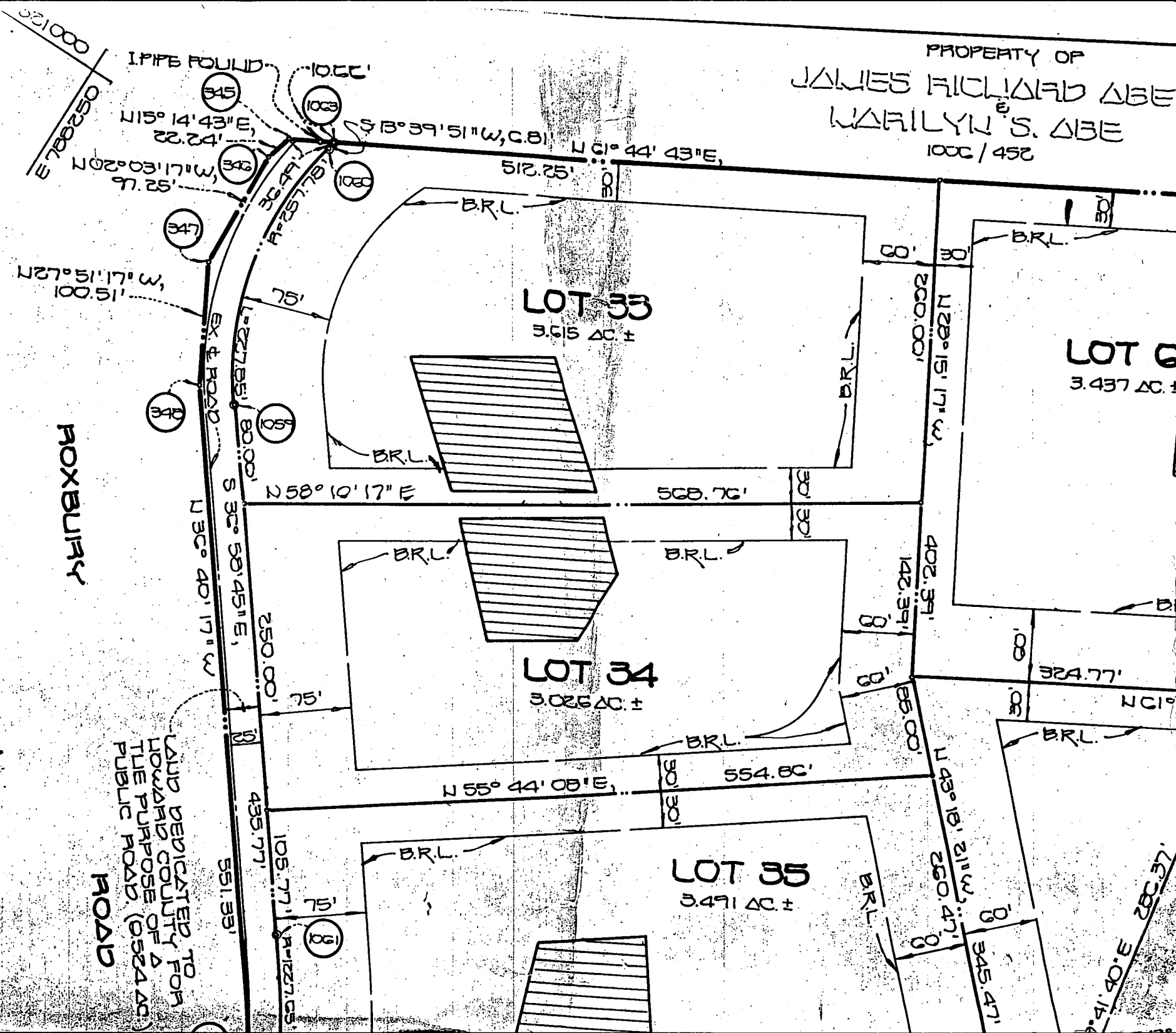
E **7809**

N **520**

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

**7/22/97**  
**12:00 GROUT cancelled**  
**WPT 8/18/97**  
**8/13/97 10 AM**  
**8/13/97 T.C.W/SARA @ EASTERDAY - GROUT DONE ON 7/22/97**  
**8/13/97**  
**Casing 30' above grade**  
**P.A. 450' below grade**  
**has 2 pieces of grout done**  
**km**

PROPERTY OF  
JAMES RICHARD ABE  
WARILYN S. ABE  
1000 / 452



45-06-F

7-17-97  
 WELL SITE APPROVED  
 FOR IRRIGATION PURPOSES  
 NOT FOR POTABLE USE.  
 EJ

SEPTIC

D&S ELEV 457<sup>3</sup>  
 INV OUT OF HOLE 453<sup>3</sup>  
 INV INTO TANK (20) 452<sup>0</sup>  
 INV OUT OF TANK 452<sup>5</sup>  
 EX ELEV @  
 DIST. BOX 443<sup>0</sup>  
 INV INTO BOX 440<sup>0</sup>  
 EX ELEV @  
 TRENCH 443<sup>0</sup>  
 INV INTO TRENCH 439<sup>5</sup>  
 EX GRADE @  
 SEPTIC TANK 456<sup>1</sup>

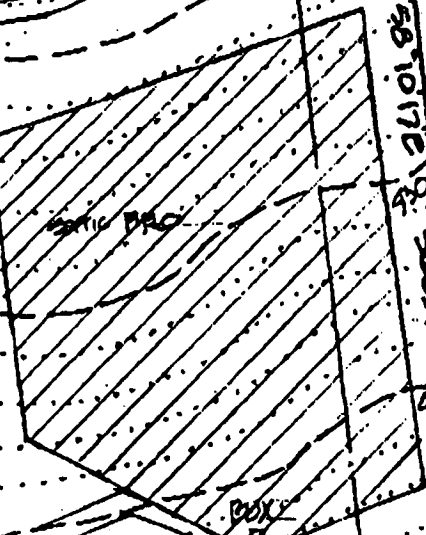
REQ PLOG SERVICES

FRONT 60'  
 SIDE 30'  
 REAR 75'  
 SITE SUPERVISION

ERIC  
 LEANDER  
 P. 301.239-5766  
 RED CELL 301.252-1992  
 BUILDER:  
 MITCHELL  
 BEST  
 &  
 VISNIC  
 301.309.6470

NOTES:  
 NO ISSUES  
 RAISED WITH TOWN  
 WELL SITE BECAUSE  
 IT IS FOR IRRIGATION  
 PURPOSES. CRAIG W  
 HAS DISCUSSED THIS  
 ISSUE WITH DAVE  
 KERR (MGR.),  
 7-17-97 EJ

3.026 AC



LAWRENCE READER ASSOCIATES, INC.  
 landscape architecture / site planning / recreation planning  
 15304 sprainville court / suite 102 / baltimore md 21086-7660  
 telephone 301-364-3020 / fax 301-364-6095

**LOT 34 CATTAIL CREEK**