

6/8/99  
3.0000

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 511919

A 49644-J

DISTRICT \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
~~XXXXXXXX~~ 410-313-2640

DATE 6/11/99

DATE SYSTEM APPROVED 6/9/99

INSPECTOR SRK

*04-359143*

**INDEXED**

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_

ADDRESS 580 Obrecht Road, Sykesville, MD 21784 PHONE 410-795-5670

SUBDIVISION Cattail Woods, II LOT 13 ROAD 1731 Cattail Meadows Drive

PROPERTY OWNER Pulte Home Corporation

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 2 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 2 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start trenches 55 feet up the left lot line and 20 feet off that same lot line as seen when facing the lot from Cattail Meadows Drive. Run trenches on contour toward Cattail Meadows Drive.

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

PLANS APPROVED BY Kim Maiste/Amy McMillen DATE 3-29-99

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 25/40 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**

*11/19/99*



# APPLICATION

PERCOLATION TESTING

A 49644J

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT 4th

DATE 9/30/93

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 Parcel 137, Inc. Pulte Home Corporation

ADDRESS 15298 Union Chapel Road Woodbine, MD 21797 PHONE (410) 442-2101

AGENT OR PROSPECTIVE BUYER Engineer: TSA Group, Inc.

ADDRESS 8480 Baltimore National Pike, Ste. 418 Ellicott City, MD 21043 PHONE (410) 465-6105

PROPERTY LOCATION:

SUBDIVISION Cattail Woods - Section 2 LOT NO. 13

ROAD AND DESCRIPTION End of Brittle Branch Way 1731 Cattail Meadows Drive

TAX MAP 7 PARCEL # 137

~~ORIGINAL EXHIBIT SIGNATURE~~  
~~AND RETURNED 3-28-99~~  
Equal 4 Brittle 6810

SIZE OF LOT 1 Ac +/- TYPE BLDG. Single Family Dwelling - 4 Bed  
(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. Parcel 137, Inc. Bruce B. Bandal President  
(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

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

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

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

# APPLICATION

PERCOLATION TESTING

A 49644J

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 9-27-93

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 Bruce Brendle

ADDRESS 15298 Union Chapel Rd PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER Joint Venture

ADDRESS 1555 Union Chapel Rd PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION CatHail Woods Sec II LOT NO. 13

ROAD AND DESCRIPTION Rt 97 sld

TAX MAP 7 PARCEL # 137

SIZE OF LOT 1 ACRE 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.

(SIGNATURE OF APPLICANT)

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

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

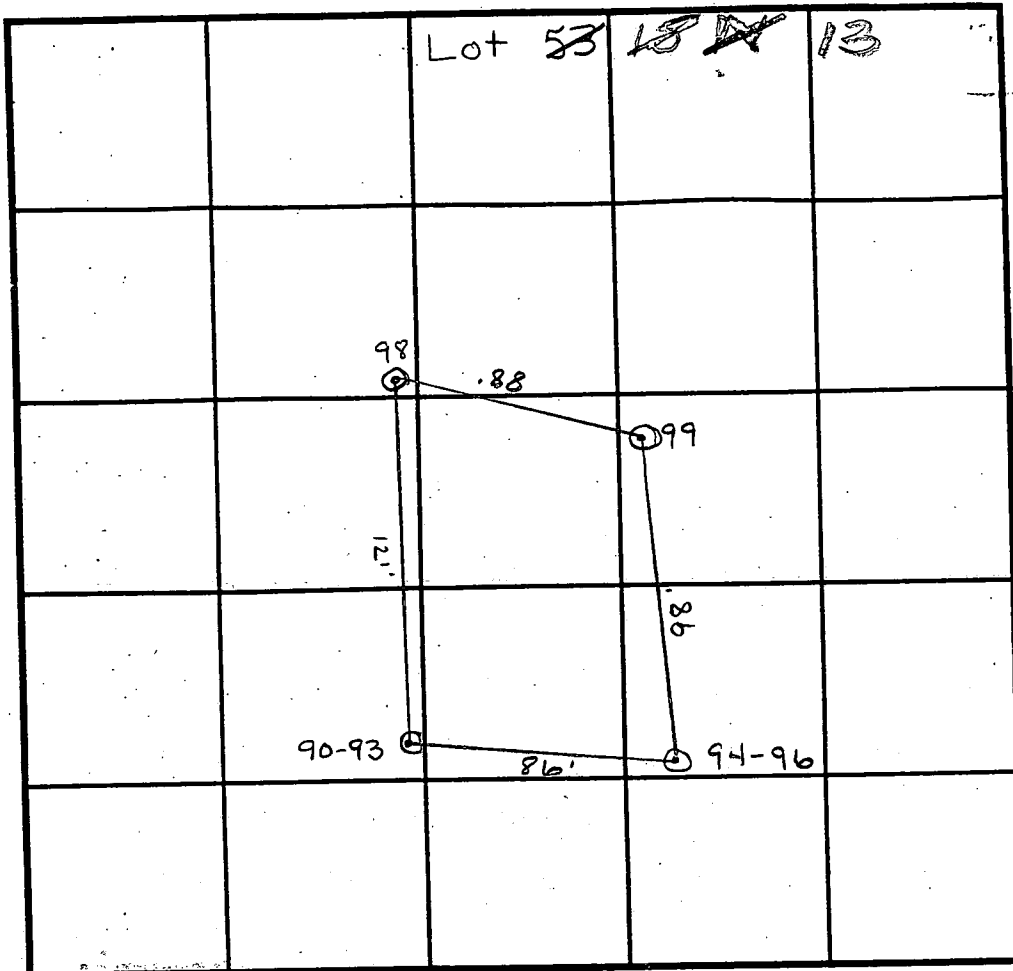
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

## THIS IS NOT A PERMIT

A496445

COUNTY #



SOIL PROFILE

SOIL PROFILE  
 10' 94-96  
 Red C  
 2' Yell/bm SIL  
 0' shaley on low end but gets better underneath  
 7'  
 12'

SOIL PROFILE  
 0' 99  
 Red/bm C  
 3' red/bm SIL  
 Shaley decayed OK  
 12'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

97  
 6" top soil  
 orange/yellow/brn C  
 2 1/2' red SIL w/ some yellow/brn  
 decayed shale at 6'  
 OK  
 12'

98  
 2 1/2' red/bm C  
 brn SIL  
 Some shale  
 OK  
 5 1/2'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/8/93	94-96	2' v 1 1/2'	10:33	10:39	10:39	10:46	7 min
	97	3' v 1 1/2'	10:53	11:07	11:07	11:13	6 min
		6 1/2' v 1 1/2'	11:11	11:16	11:16	11:23	7 min
	98	2 1/2' v 1 1/2'	11:02	11:05	11:05	11:08	3 min
	99	3' v 1 1/2'	11:04 <sup>30</sup>	11:08	11:08	11:13	5 min

Hold for test

REMARKS wet season tests

TYPE OF SOIL Glenelg Loam

TESTED BY Amy McMullen/Dane Naderau ALSO PRESENT B. Sanders

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 5 min TRENCH WIDTH 2'

INLET DEPTH 2' MAXIMUM BOTTOM DEPTH 6' SQ. FT/BEDROOM 180 ft<sup>2</sup>

COUNTY #

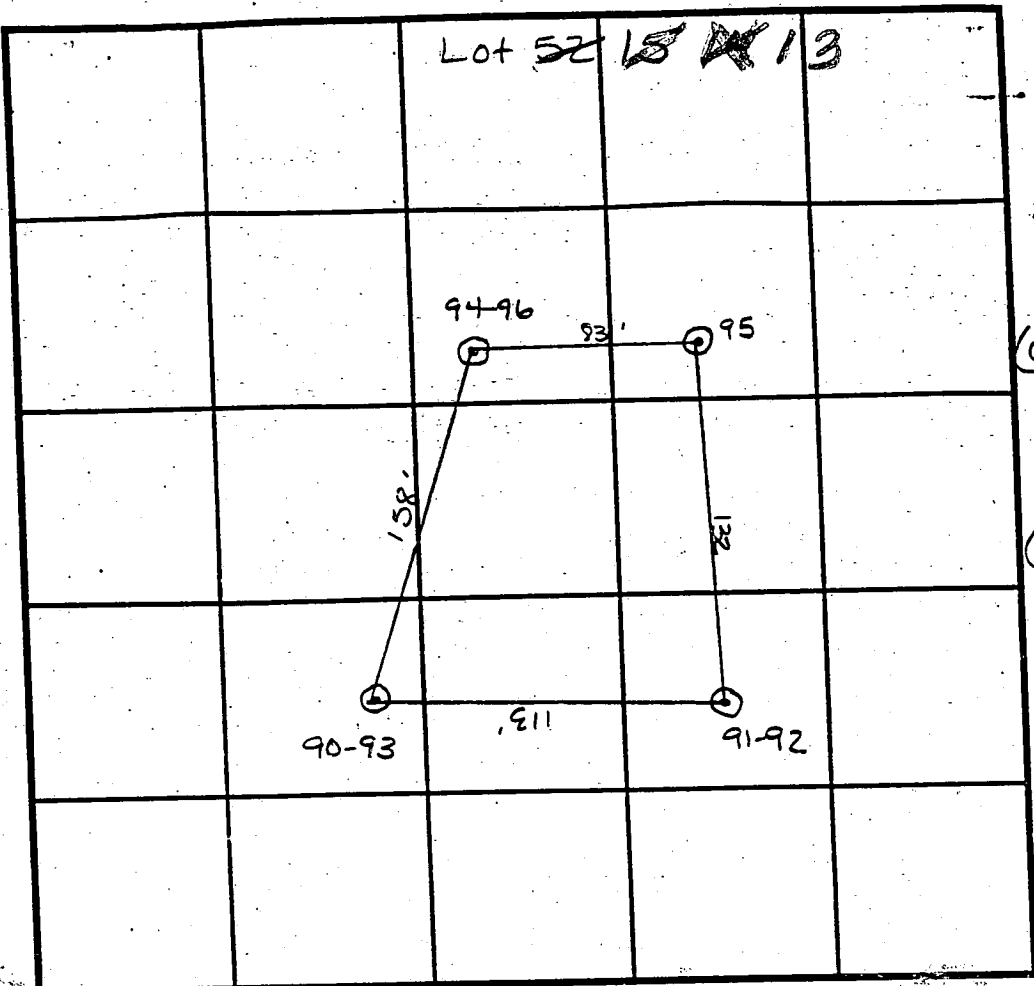
Lot 52 18 13

SOIL PROFILE  
90-93

topsoil  
lgt red  
brn C  
  
red/brn  
SiL  
  
Very  
decayed  
shale  
at 7'  
horizontal  
bedding

SOIL PROFILE  
94-96

red C  
  
2' yell brn  
SiL  
  
(0') shaly  
on  
low end  
but gets  
better  
(7') underneath  
  
12 1/2'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

91-92

orange  
brn  
C

orange  
brn  
SiL

6' decayed  
shale  
OK

12' 95

red and  
orange/brn  
C

red SiL  
w/ lgt  
brn  
streaks

6-6 1/2' decayed  
shale

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/8/93	90-93	4' / 12'	10:17 <sup>15</sup>	10:20	10:20	10:31	11min
	91-92	3' / 12'	10:24	10:29	10:29	10:44	15min
		6' / 12'	3:00	3:03	3:03	3:19	16min
	(95)	3' / 12'	10:43 <sup>15</sup>	10:51	10:51	10:59	8min
	(94-96)	2' / 12 1/2'	10:33	10:39	10:39	10:46	7min wet

REMARKS \_\_\_\_\_

TYPE OF SOIL Glencly Loam

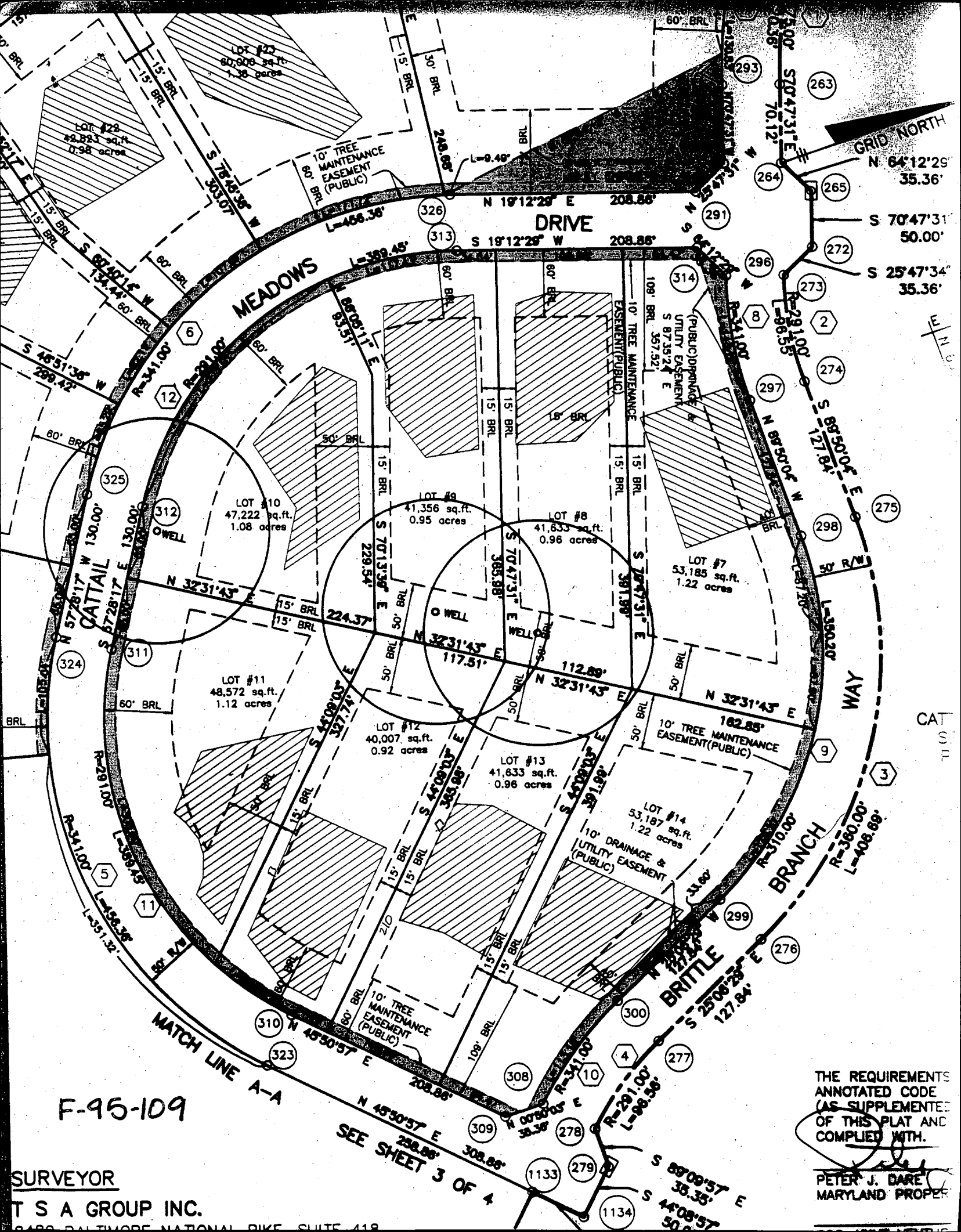
TESTED BY A. McMiller / C. Williams ALSO PRESENT B. SANDERS

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 13 min TRENCH WIDTH 2'

INLET DEPTH 3' MAXIMUM BOTTOM DEPTH 7' SQ. FT./BEDROOM 210 ft<sup>2</sup>





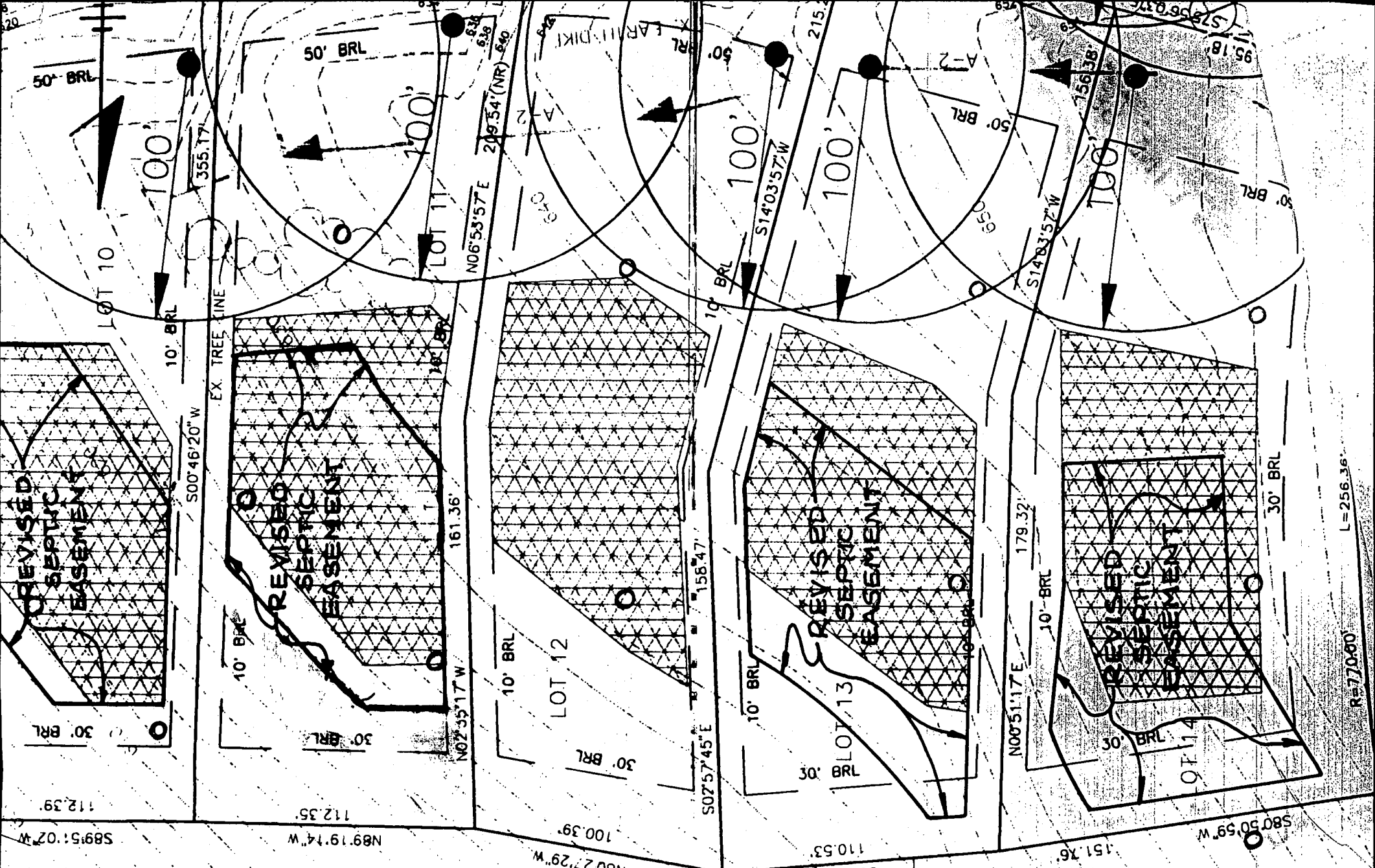


F-95-109

THE REQUIREMENTS ANNOTATED CODE (AS SUPPLEMENTED OF THIS PLAT AND COMPLIED WITH.

PETER J. DARE  
 MARYLAND PROPER

SURVEYOR  
 T S A GROUP INC.  
 2480 BALTIMORE NATIONAL PIKE SUITE 418



SCALE: 1" = 50'

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM  
 HOWARD CO. HEALTH DEPARTMENT  
*Joyce M. Boyd*  
 HOWARD CO. HEALTH OFFICER A.M. DATE

**RIGGS MEADOW**  
 REVISIONS TO SEPTIC EASEMENTS LOTS 10, 11, 13 & 14  
 SEPT. 16, 1997

R-770600 L=256.36'



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## HOWARD COUNTY HEALTH DEPARTMENT

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*Joyce M. Boyd, M.D., County Health Officer*

December 23, 1996

Mr. Michael Fitzgerald  
Planning and Development Manager  
1501 S. Edgewood Street, Suite K  
Baltimore, Maryland 21227

RE: Cattail Woods, Several lots  
Proposed septic area adjustments

Dear Mr. Fitzgerald:

This is in response to your letter December 6, 1996, explaining proposed septic area adjustments as discussed. Please review the following comments:

Lot #'s 40 and 41 - okay as proposed with additional test holes as indicated

Lot #36 - basic proposed adjustment okay with minor improvement

Lot #23 - to be corrected as shown on enclosed copy

Lot #7 - proposed test locations okay as indicated

Lot #13 - adjustment okay as indicated

If you have any other questions or concerns, please contact myself or Ms. Donna Soe at the address below or by calling (410) 313-2640.

Sincerely,

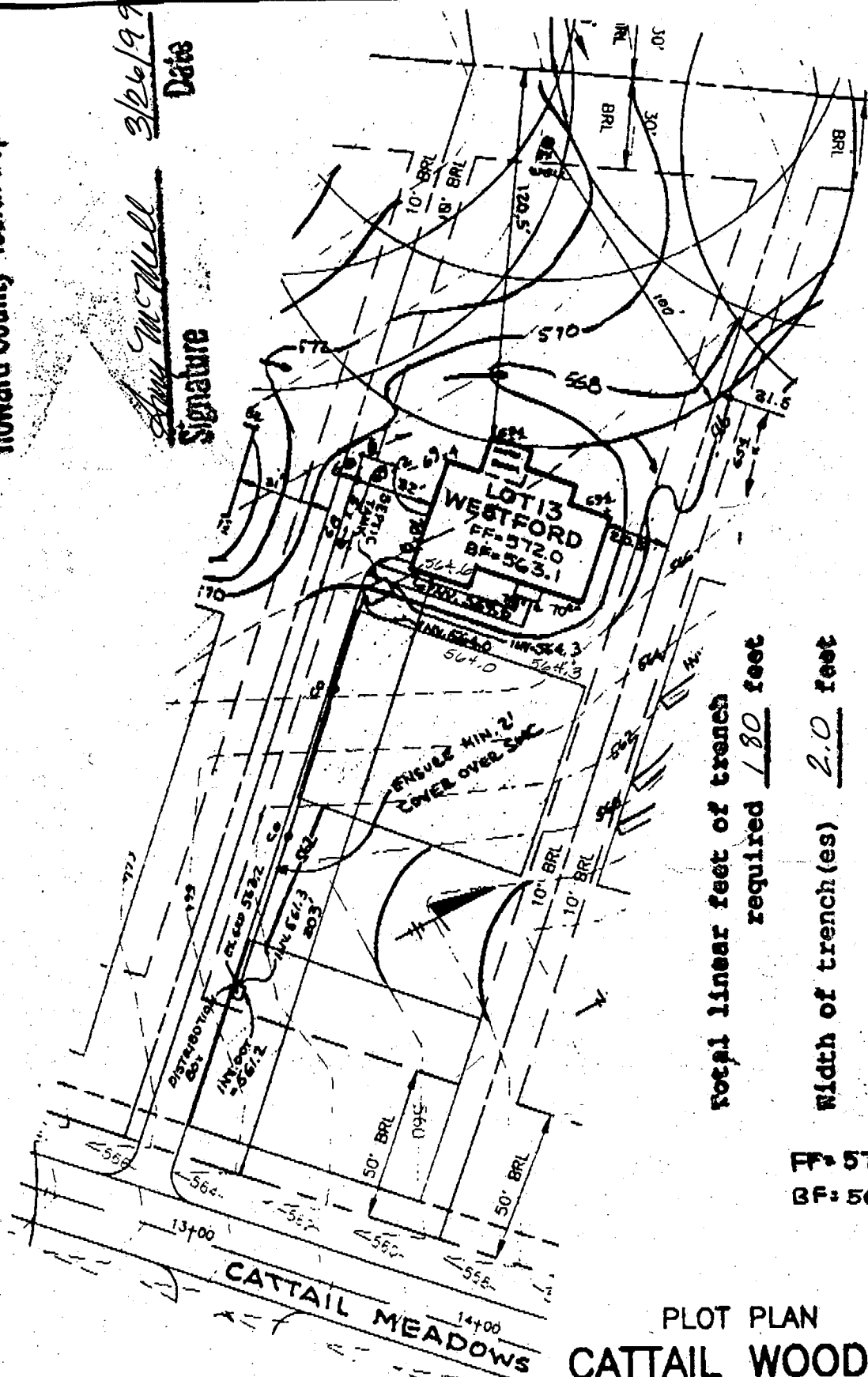
Amy McMillen, R.S.  
Water and Sewerage Program

Enclosure  
ALM: dks  
cc: files



Approved Septic System Plan  
Howard County Health Department

*Shirley McMill*  
Signature  
3/26/99  
Date



**total linear feet of trench**  
required 180 feet

**Width of trench(es)** 2.0 feet

**Depth of trench(es)** 6.0 feet

**Depth of stone required below**  
**distribution pipe** 4.0 feet

FF= 572.0  
BF= 563.1

PLOT PLAN  
**CATTAIL WOODS**  
LOT 13  
SECTION TWO, PARCEL 5

TAX MAP NO.7 PARCEL 137  
PLAT NOS. 12500-12502.  
4TH ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND  
SCALE: 1"=50' DATE: MARCH 25, 1999

NOTE:  
FOR SEDIMENT CONTROL FEATURES SEE APPROVED  
GRADING PLAN GP-97-130.

**BENCHMARK ENGINEERING, INC.**  
8480 BALTIMORE NATIONAL PIKE, SUITE 418  
ELLCOTT CITY, MARYLAND 21043  
(410) 465 - 6105



B 1 **8789** SEQUENCE NO. (MDE USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
**H0-94-1253**  
 fill in this form completely

Date Received (APA) **0810497**  
 OWNER INFORMATION  
**Venture Joint** 206  
 15 Last Name Owner First Name 34  
**15555 ANION CHAPEL RD**  
 36 Street or RFD 55  
**Woodbine** **MD 211797**  
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
**H0 WATD**  
 8 COUNTY 21  
**CATTAIL Woods**  
 23 SUBDIVISION 42  
 SECTION **13** LOT **13**  
 44 46 48 50  
**LISBON**  
 52 NEAREST TOWN 71  
 MILES FROM TOWN (enter 0 if in town) **1** M I.  
 53 76 77 78

DRILLER INFORMATION CIRCLE: MSD/MGD/MWD  
**DANA KYRIL JR II** 256  
 Driller's Name 77 License No. 80  
**WESTMINSTER ROTH Well drilling Inc**  
 Firm Name  
**PO Box 861 Westminster, Md**  
 Address  
**Dana Kyril Jr II** 7-29-97  
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
  
 NEAR WHAT ROAD **Cattail Meadows Way**  
 11 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH  WEST  EAST  SOUTH   
 34 **340** 37  
 DISTANCE FROM ROAD  
 ENTER FT OR MI **AT**  
 38 39  
 TAX MAP: **7** BLK: \_\_\_\_\_ PARCEL **137**

B 2 WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**  
 8 12  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **395**  
 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)  
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)  
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER  
 HEALTH DEPARTMENT APPROVAL  
**Howard** **A49644-J**  
 COUNTY NAME COUNTY NO.  
 STATE SIGNATURE INSERT S   
 DATE ISSUED **0811197** **Kimberly Maister** 8/11/98  
 43 48 GO SIGNATURE 41  
 NORTH GRID **542000** EAST GRID **0781000**  
 50 55 57 63

APPROXIMATE DEPTH OF WELL **200** FEET  
 24 28  
 APPROXIMATE DIAMETER OF WELL **6** INCH  
 NEAREST

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER  
 1. **CITY**  
 2.  
 3.  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
 N **781**  
 E **542**  
 000  
 000  
**Grout 9-4-97**  
**93' casing**  
**grout not done yet**  
**502' depth of well**  
**location ok (km)**

METHOD OF DRILLING (circle one)  
 BORED (or Augered) JETTED Jetted & DRIVEN  
 30 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  
 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 DEEPEN 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)  
 APPROX. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_  
 54 63  
 FORCE **KM** WRITE INITIALS IN BOX PERMIT No. **H0-94-1253**  
 167 66 70 71 72 73 74 75 76 77 78 79

HOWARD COUNTY HEALTH DEPARTMENT  
 Bureau of Environmental Health  
 3525-H Ellicott Mills Drive  
 Ellicott City, MD 21043  
~~461-9880~~

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation  Replacement \_\_\_\_\_  
 Receipt # \_\_\_\_\_ Date \_\_\_\_\_  
 Name of Installer RWR. PUBB INC. Telephone 410-531-2282  
 License Number 4605  
 Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber   
 Name of Property Owner AULTE HOMES Telephone 410-648-5603  
 Subdivision CATTLE WOODS Lot # 13 Well Tag # HD-24-1253  
 Site Address 1731 CATTLE WOODS DR.

Pump  
 1. Type  
 a. Deep well jet \_\_\_\_\_  
 b. Shallow well jet \_\_\_\_\_  
 c. Submersible YES  
 2. Make WATERA  
 3. Model # TLS45A1R  
 4. Capacity 5 GPM  
 5. Pump exceeds well capacity Yes  No \_\_\_\_\_  
 6. If Yes, is low pressure cutoff switch installed? Yes \_\_\_\_\_ No   
 7. What methods are used to protect the pump and electrical wiring from vibrations?  
 Torque arrestors  Cable guards \_\_\_\_\_ Other \_\_\_\_\_

Motor  
 1. Horsepower 1  
 2. RPM 3450  
 3. Voltage 230  
 a. 110 \_\_\_\_\_  
 b. 220

Pitless Adapter  
 1. Make CAMPBELL  
 2. Model # 300R  
 3. Depth 42"

Tank WT 703  
 1. Capacity 32 GAL. EQUIVALENT  
 2. Pressure relief valve? YES  
 Piping  
 1. Type WELL TUBING  
 2. Size 1"  
 3. NSF and/or BOCA Code approved YES  
 4. Depth of supply line 45"  
 Well data  
 1. Depth 502 ft.  
 2. Yield 4 GPM  
 3. Static water level 29 ft.  
 4. Will water supply be disinfected by installer? NO

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: [Signature]

Date: 6.15.89

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.