

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 511540-B

A58028-B

DISTRICT \_\_\_\_\_

DATE 4-26-1999

DATE SYSTEM APPROVED 4/29/99

INSPECTOR S.R.K.

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

# 326799

INDEXED

Covey Construction Co., Inc. IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS P.O. Box 254, Woodstock, Maryland 21163 PHONE 410-750-0398

SUBDIVISION Benson Branch Overlook LOT 7 ROAD 13227 May Estate Circle

PROPERTY OWNER Hamilton Reed

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 3.0 feet below original grade. Bottom maximum depth 7.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 4.0 feet of stone below distribution pipe.

LOCATION - Place the distribution box 120 feet down the left (265.87') lot line and 80 feet off that same lot line. Run trenches on contour towards the left lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *ok 12-24-98*

PLANS APPROVED BY Kimberly Maiste/Donna K. Soe DATE 12-16-98

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.

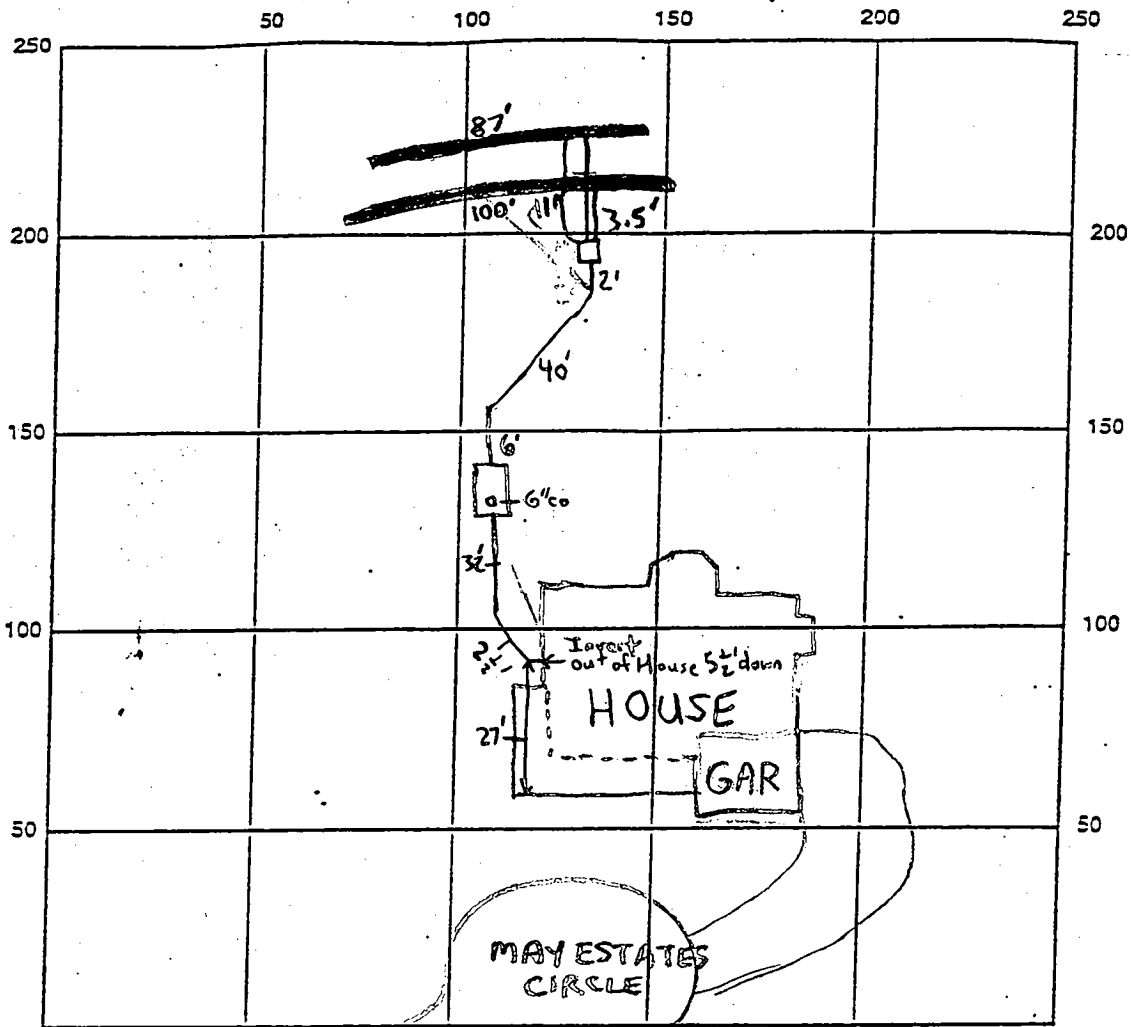
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

**BLDG. PERMITS SIGNED**  
**AND RETURNED 6/8/2000**  
B00124732  
New deck w/ steps

A 58028-B

4/29/99  
Co. Noon



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 midseam CLEANOUTS 1-6" @ tank

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TITLE DEPTH 7 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 187 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 748 SQ. FT.

DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 4/29/99 ON TO COVER (SRU)

DATE SYSTEM APPROVED 4/29/99 INSPECTOR Steven R. Krieg

3/11/97 thru 3/16/97

# APPLICATION

PERCOLATION TESTING

A 58028

P \_\_\_\_\_

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

3/11/97  
Preview OK  
ALM

DISTRICT \_\_\_\_\_

DATE 3/17/97

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 ~~Scott Shultz~~ c/o L. D. D. Hamilton REED

ADDRESS 1005 Hickory Ridge Dr. Suite 215 Col. MD 21044 PHONE 740-2100-3

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION:

SUBDIVISION ~~Bayer~~ Benson Ranch Overlook LOT NO. 4

ROAD AND DESCRIPTION Tridelphia (13227 May Estate Circle)

TAX MAP 22 PARCEL # 10

REG. PERMIT SIGNED  
AND RETURNED 12-16-98  
Serial # 290115187

SIZE OF LOT 1 acre TYPE BLDG. Single - 4 Bdr  
(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

COUNTY #

SOIL PROFILE

2612

orange brown  
SiCLM

3.0

lgt or. tan  
SiLM  
micaceous  
10% shale  
throughout

2610

orange brown  
SiSALM  
micaceous

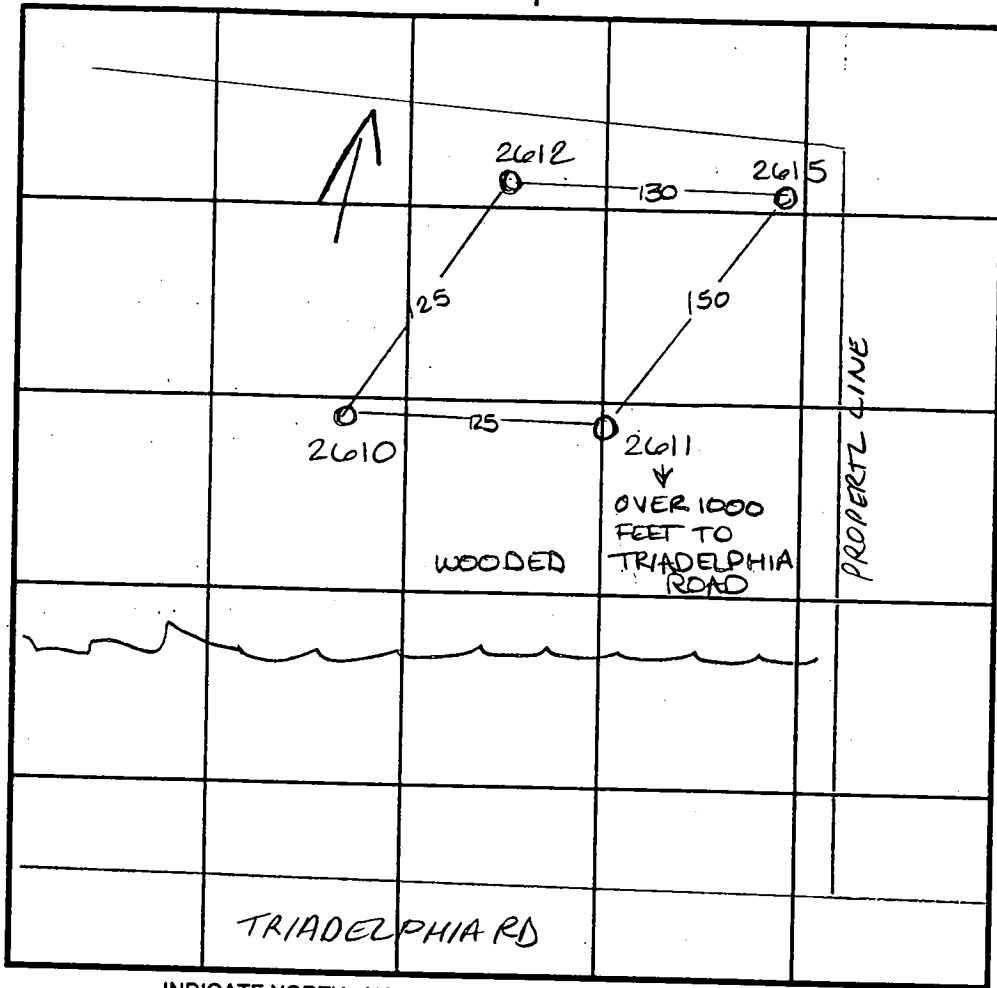
8.0

lgt beige  
SiLM  
20% decayed  
micaceous  
rock

2615

lgt orange  
beige  
SiCLM  
orange red  
SiLM  
20% Rx frags  
reddish  
brn  
micaceous  
SiSALM  
25% shale

12.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

2611

yellow orange  
SiCLM

4.0

yellow and red  
mottled  
SiLM  
not H2O related  
<5% shale

12.5

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-15-97	2612	4.0 / 11.0	11:54	11:55	11:55	11:57	2min
	2610	4.0 / 11.0	11:43	11:44	11:44	11:46	2min
	2615	4.0 / 12.0	11:59 <sup>30</sup>	12:02	12:02	12:06	4min
	2611	5.5 / 12.0	12:15	12:18	12:18	12:25	7min

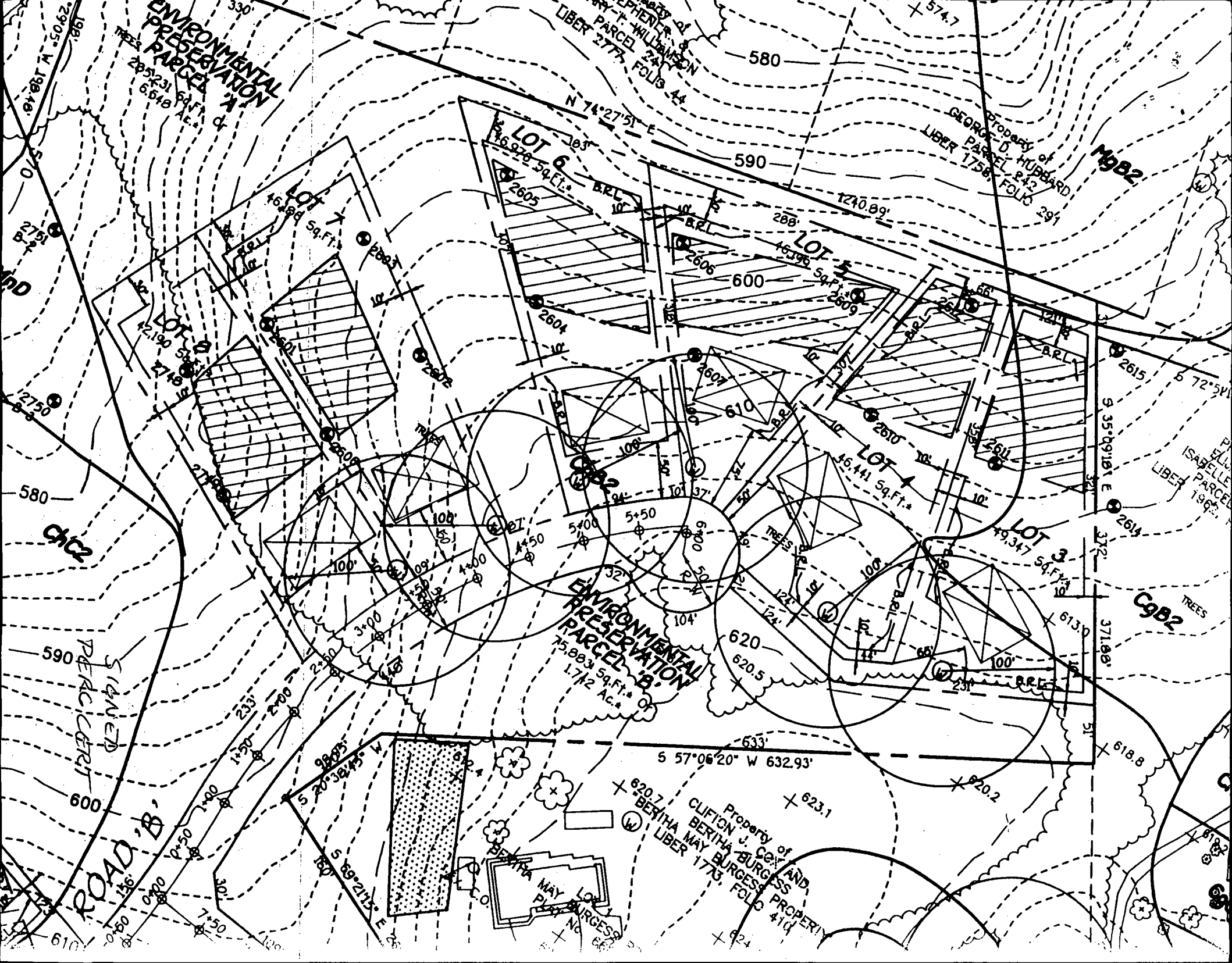
REMARKS \_\_\_\_\_

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

TESTED BY Amy McMullen ALSO PRESENT Mike Johnson

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

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



P-98-06

Property of  
STEPHEN R. HUBBARD  
MARY J. WILLIAMSON  
PARCEL 241  
LIBER 2772, FOLIO 44

Property of  
GEORGE J. HUBBARD  
PARCEL 242  
LIBER 1758, FOLIO 241

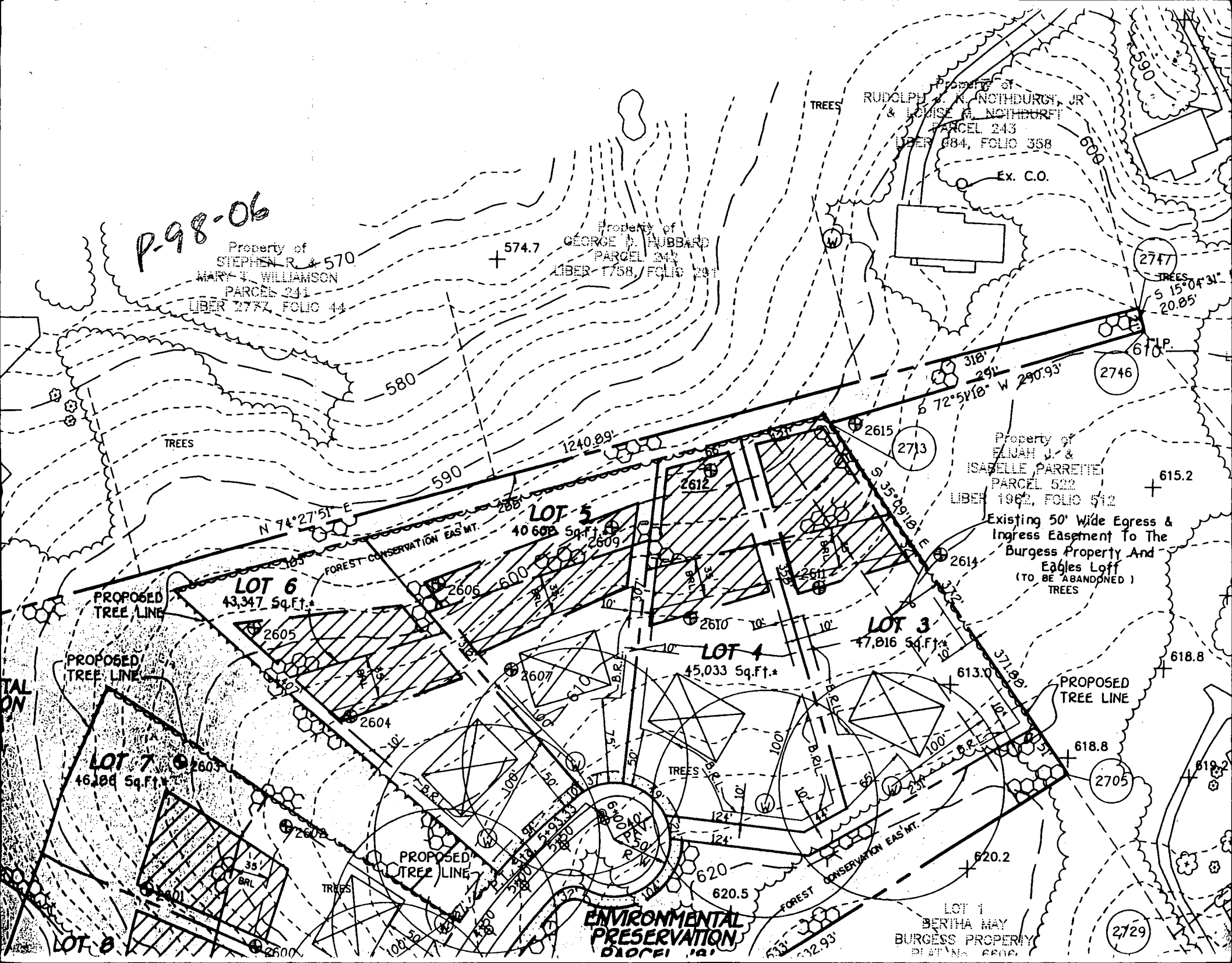
Property of  
RUDOLPH K. NOCHDURF, JR  
& LOUISE M. NOCHDURF  
PARCEL 243  
LIBER 884, FOLIO 358  
Ex. C.O.

Property of  
ELIJAH J. &  
ISABELLE PARRENEI  
PARCEL 522  
LIBER 1962, FOLIO 512

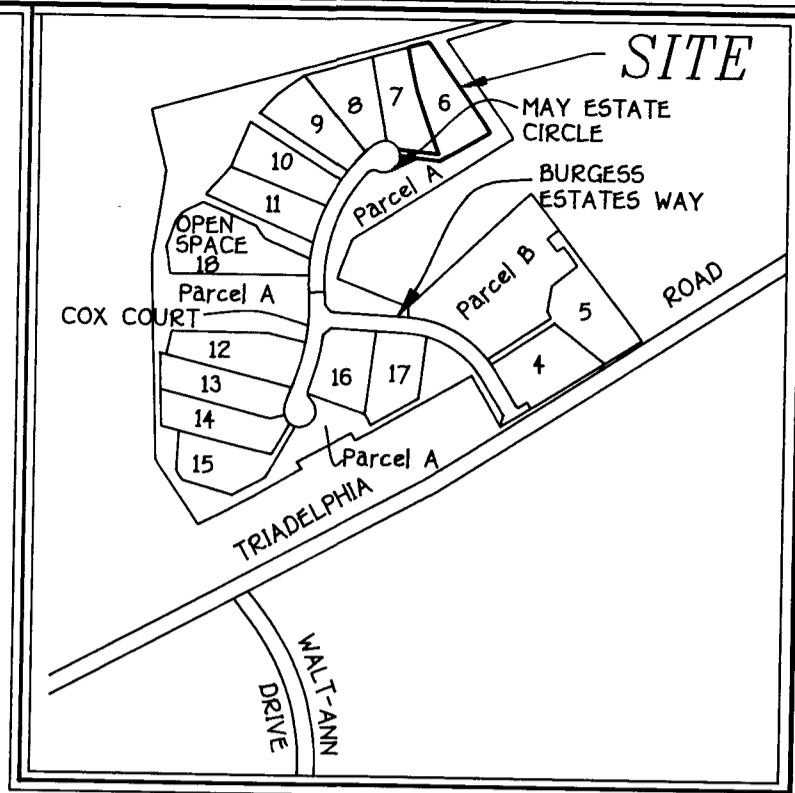
Existing 50' Wide Egress &  
Ingress Easement to The  
Burgess Property And  
Eagles Loff  
(TO BE ABANDONED)  
TREES

ENVIRONMENTAL  
PRESERVATION  
DISTRICT

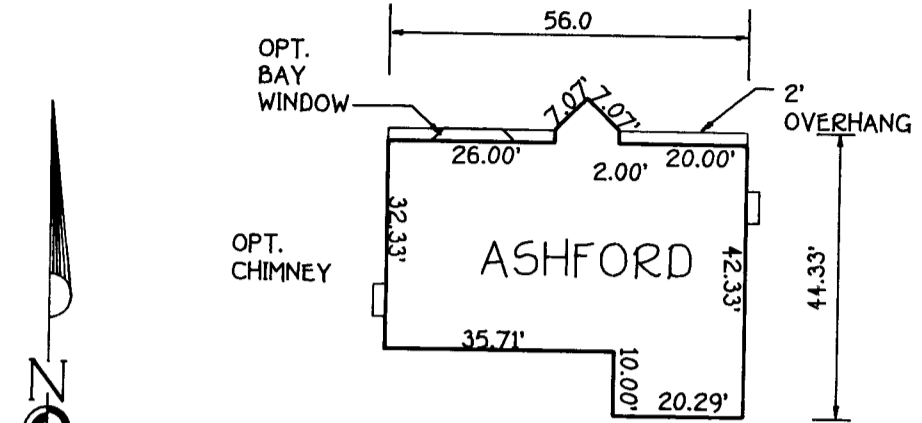
LOT 1  
BERNHA MAY  
BURGESS PROPERTY  
DISTRICT 6600



**TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:**  
 TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND.  
 OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE  
 APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING  
 TEXTURE SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE  
 FRAGMENTS, GRAVEL, STICKS, ROOTS TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.  
 TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS,  
 NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.  
 WHERE THE TOPSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE  
 SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT  
 OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL  
 IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.



**VICINITY MAP**  
 SCALE: 1" = 600'



**DETAIL**  
 SCALE: 1" = 30'

**GENERAL NOTES**

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT
- PROPOSED 1500 GALLON SEPTIC TANK.
- |   |        |
|---|--------|
| A. FIRST FLOOR ELEVATION:                 | 616.43 |
| B. BASEMENT ELEVATION:                    | 607.43 |
| C. INVERT OF SEPTIC SYSTEM AT HOUSE:      | 607.52 |
| D. INVERT IN AT SEPTIC TANK:              | 607.00 |
| E. INVERT OUT AT SEPTIC TANK:             | 606.00 |
| F. PROPOSED GRADE OVER SEPTIC TANK:       | 610.00 |
| G. INVERT AT DISTRIBUTION BOX:            | 606.00 |
| H. EXISTING GROUND OVER DISTRIBUTION BOX: | 609.00 |
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.

NOTE: TOPOGRAPHY IS BASED ON APPROVED FINAL ROAD DRAWINGS.

**Approved Septic System Plan**  
**Howard County Health Department**

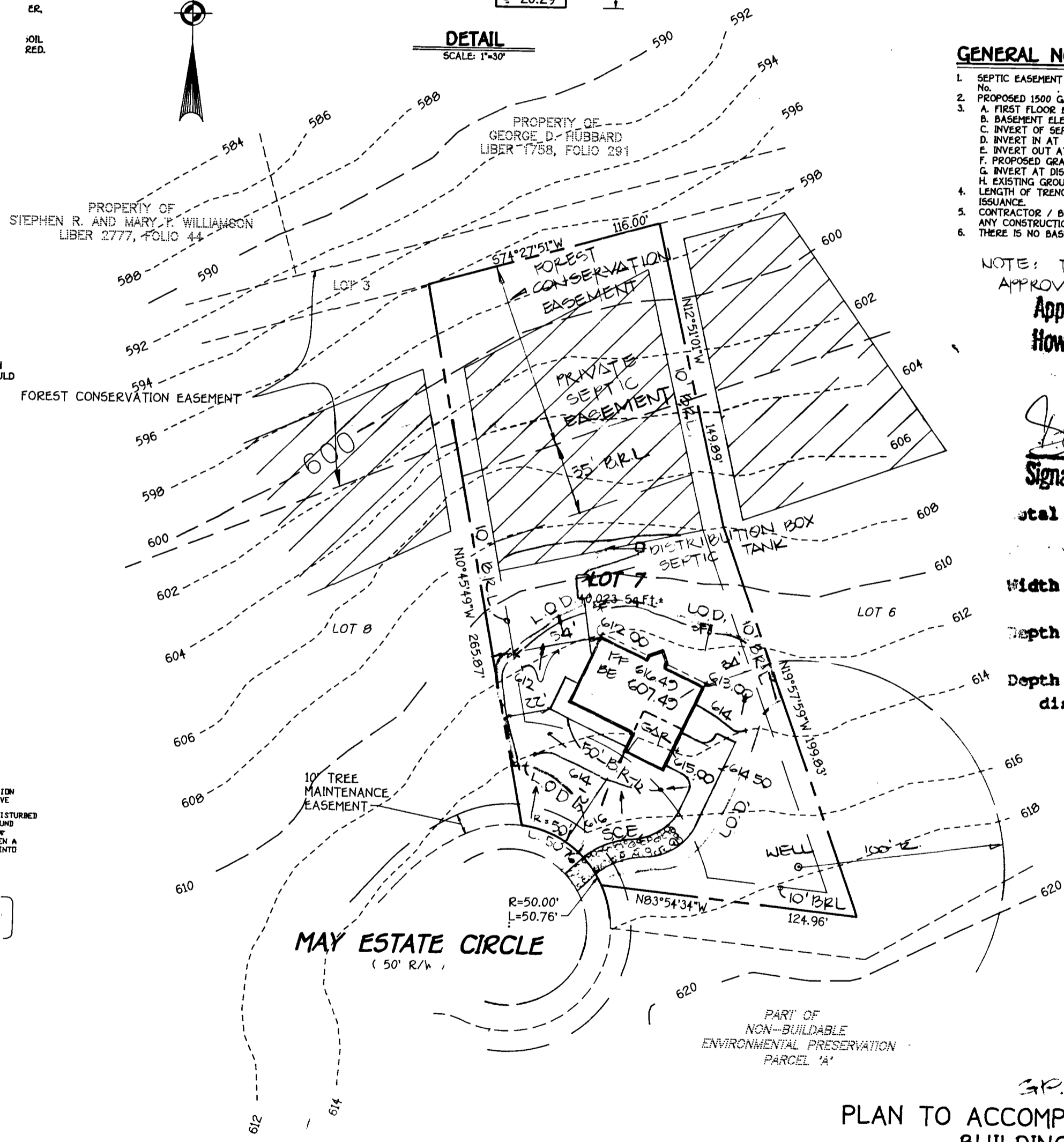
*[Signature]*  
**Signature** **Date** 12/10/98

**Total linear feet of trench required** 180 feet  
**Width of trench(es)** 2 feet  
**Depth of trench(es)** 7 feet  
**Depth of stone required below distribution pipe** 4 feet

D  
T.D.  
BY  
ER.  
SOIL  
RED.

H  
SULD

T SECTION  
OF ABOVE  
UNDISTURBED  
GROUND  
TO BE  
DRIVEN A  
INTO



PART OF  
NON-BUILDABLE  
ENVIRONMENTAL PRESERVATION  
PARCEL 'A'

312.99.78  
**PLAN TO ACCOMPANY APPLICATION FOR  
 BUILDING PERMIT**  
**BENSON BRANCH OVERLOOK  
 LOT 7**

TAX MAP 22  
 THIRD ELECTION DISTRICT  
 SCALE: 1" = 50'

PARCEL 10  
 HOWARD COUNTY, MARYLAND  
 DATE: OCTOBER, 1998

B 1 4769

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HD - 94 - 1729 fill in this form completely

Date Received (APA)

08 21 98

OWNER INFORMATION

Hamelton Reed
10805 Hickory Ridge
Columbia MD 21044

B 3

LOCATION OF WELL

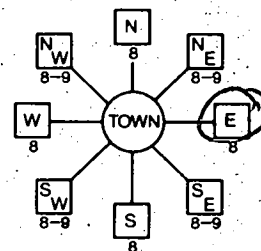
Howard
Benson Branch Overlook
GLEWELG

DRILLER INFORMATION

Ralph MAYNE MS D 116
Ralph MAYNE well DRILLING
9120 Brown Church Rd. Mt Airy

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Blue GRASS CH
NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
90' DISTANCE FROM ROAD

B 2

WELL INFORMATION

APPROX. PUMPING RATE 5
AVERAGE DAILY QUANTITY NEEDED 500

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard CO A58028B
DATE ISSUED 091498 A Mc Melle 9-14-99

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DI DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION
I INDUSTRIAL, COMMERCIAL, DEWATERING
P PUBLIC WATER SUPPLY WELL
T TEST, OBSERVATION, MONITORING
G GEO-THERMAL

APPROXIMATE DEPTH OF WELL 150 FEET
APPROXIMATE DIAMETER OF WELL 6" INCH

METHOD OF DRILLING (circle one)

AIR-ROTARY
CABLE
JETTED
AIR-PERCussion
ROTARY (Hydraulic Rotary)
DRive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
D THIS WELL WILL DEEPEMED AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

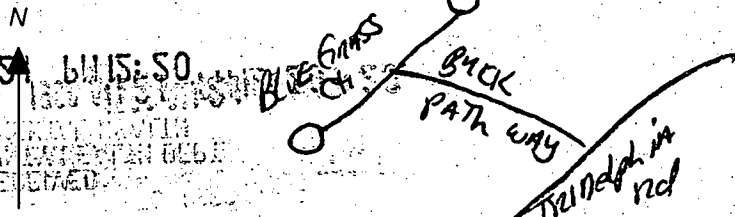
Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER 54
PERMIT No. HD - 94 - 1729

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE
E 808
N 5203

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



SPECIAL CONDITIONS

C1 04032 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A 58028B

DATE RECEIVED 10/13/98

DATE WELL COMPLETED 10/15/98

DEPTH OF WELL 260 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HD-94-1729

OWNER Hamilton Reed (last name) Blue Grass Ct (first name) TOWN Glencig SUBDIVISION Benson Branch Overlook SECTION LOT 7

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle appropriate box) YES [Y] NO [N] TYPE OF GROUTING MATERIAL (Circle one) CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 14 NO. OF POUNDS 1400 GALLONS OF WATER 84 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 30 ft.

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3/8 PUMPING RATE (gal. per min.) 5 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 64 ft. WHEN PUMPING 125 ft. TYPE OF PUMP USED (for test) [A] air [P] piston [T] turbine [C] centrifugal [R] rotary [O] other [J] jet [S] submersible

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

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows include Top Soil, Sandy, Sand Stone, MICKA, Sand Stone, MICKA, Sand Stone, MICKA.

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

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 58

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

SCREEN RECORD screen type or open hole [ST] STEEL [BR] BRASS [HO] OPEN HOLE [PL] PLASTIC [OT] OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0

C 2 DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, R, E, E, N. Rows show depths for various casing sections: 56, 260.

WELL HYDROFRACTURED YES [Y] NO [N]

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 LIC. NO. MSD116 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MSD117

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

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

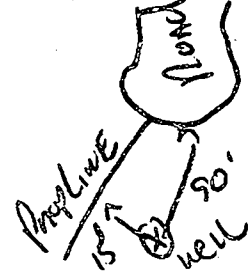
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

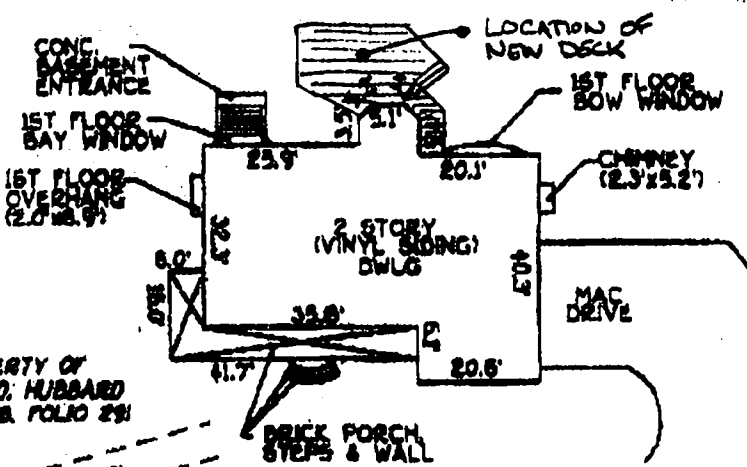
TELESCOPE CASING LOG INDICATOR OTHER DATA

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) 31-35 PUMP HORSE POWER 37-41 PUMP COLUMN LENGTH (nearest ft.) 43-47 CASING HEIGHT (circle appropriate box and enter casing height) [+] above [ ] below LAND SURFACE 2 (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)





PROPERTY OF  
STEPHEN R. AND  
MARY T. WILLIAMSON  
LIBER 2777, FOLIO 44

PROPERTY OF  
GEORGE D. HUBBARD  
LIBER 1758, FOLIO 281

FOREST CONSERVATION  
EASEMENT

**DETAIL**  
SCALE: 1"=30'

**MAY ESTATE CIRCLE**  
(50' R/W)

B00124932  
13227 May Estate Circle  
Benson Branch lot 7  
Deck - No conflict  
with well or septic  
Recommended approval,  
RJP 6/8/00

ARL BUILDING RESTRICTION LINE  
TOP OF FOUNDATION ELEV. 88.4'S

DECK OVERLOOK  
LOTE 7 AND PARCELS A AND B  
TERRACE ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
DATE 6/1/99

**FISHER, COLLINS & CARTER, INC.**  
CONSULTANTS & LAND SURVEYORS



**HOUSE LOCATION  
DRAWING**

CERTIFICATE NUMBER 07101101 - 10776 BALTIMORE NATIONAL FSC  
BLK/OTT - CITY, HARTLAND FOLIO  
1998 48 - 0005

FOUNDATION LOCATION/ADDRESS  
FINAL LOCATION/ADDRESS  
BOUNDARY SURVEY:

*Mark J. Bell*  
PROFESSIONAL LAND SURVEYOR DATE 7/12/99  
NO. 339

SCALE: 1"=30'  
DATE: 7/12/99  
DRAWN BY: JRP  
CHECKED BY: JRP  
PROJECT No.: 1000

FCC