

LAYOUT 12/03/03 INSP 4 1/20/04 - 12230  
 INSP 2 12/4/03 - 2:30 INSP 5 \_\_\_\_\_  
 INSP 3 12/4/03 INSP 6 \_\_\_\_\_

ISSUE DATE: 10/23/2003  
 APPROVAL DATE: 1/28/04

**PERMIT INDEXED** *RPST# 298744*  
 P 519639  
 A 511420

**ON-SITE SEWAGE DISPOSAL SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT  
 BUREAU OF ENVIRONMENTAL HEALTH  
 3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043**

South Carroll Backhoe, Inc IS PERMITTED TO INSTALL  ALTER   
 ADDRESS: 4410 Salem Bottom Rd, Westminster PHONE NUMBER: 410-875-4197  
 SUBDIVISION: prev. Brinegar Property LOT NUMBER: TM 16, P 146  
 ADDRESS: 11300 Cotswold Spring Farm Lane PROPERTY OWNER: NVR Inc.  
 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: 200 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 5.0 feet below original grade. Bottom maximum depth 7.0 feet below original grade. Effective area begins at 6.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box exactly as shown on plan: at the corner of the reserve area closest to the offsite well. Run (2) trenches on contour as shown on plan.
NOTES:	Maintain 25' from the abandoned well to the dist. box/trenches. Tanks to have 18-36" finished cover. Water line to cross pressure sewer at least 12" above; <i>20' MR</i> sleeving required on either side of crossing. Water line installer to be present at layout inspection to verify location & detail.

PLANS APPROVED: MER OK/MR DATE: 10/15/03

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

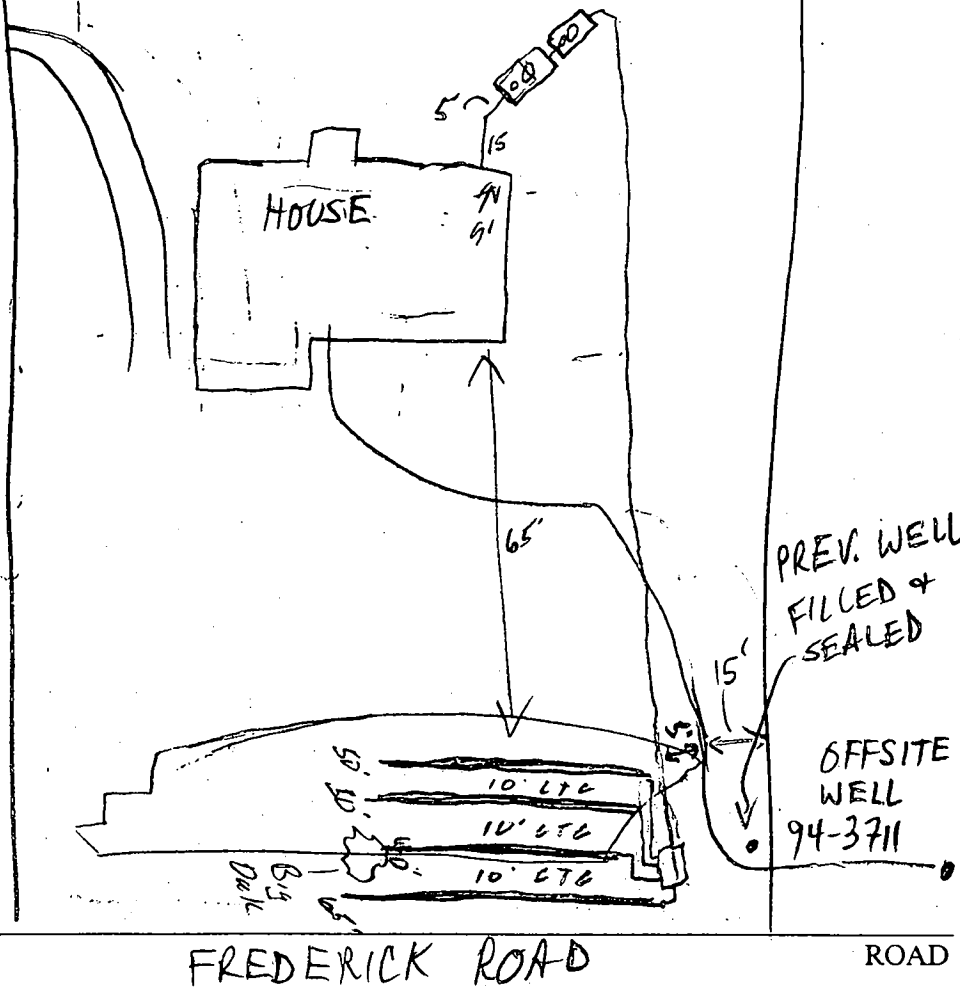
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS  
 RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
 CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM  
 DO NOT LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL**

A511420

NOT TO SCALE

Prop. Line

COTSWOLD SPRING FARM LANE



FREDERICK ROAD

ROAD

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	5'	2'
NUMBER OF TRENCHES		4
TOTAL LENGTH		205'
ABSORPTION AREA		615 <del>7</del>
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		Open

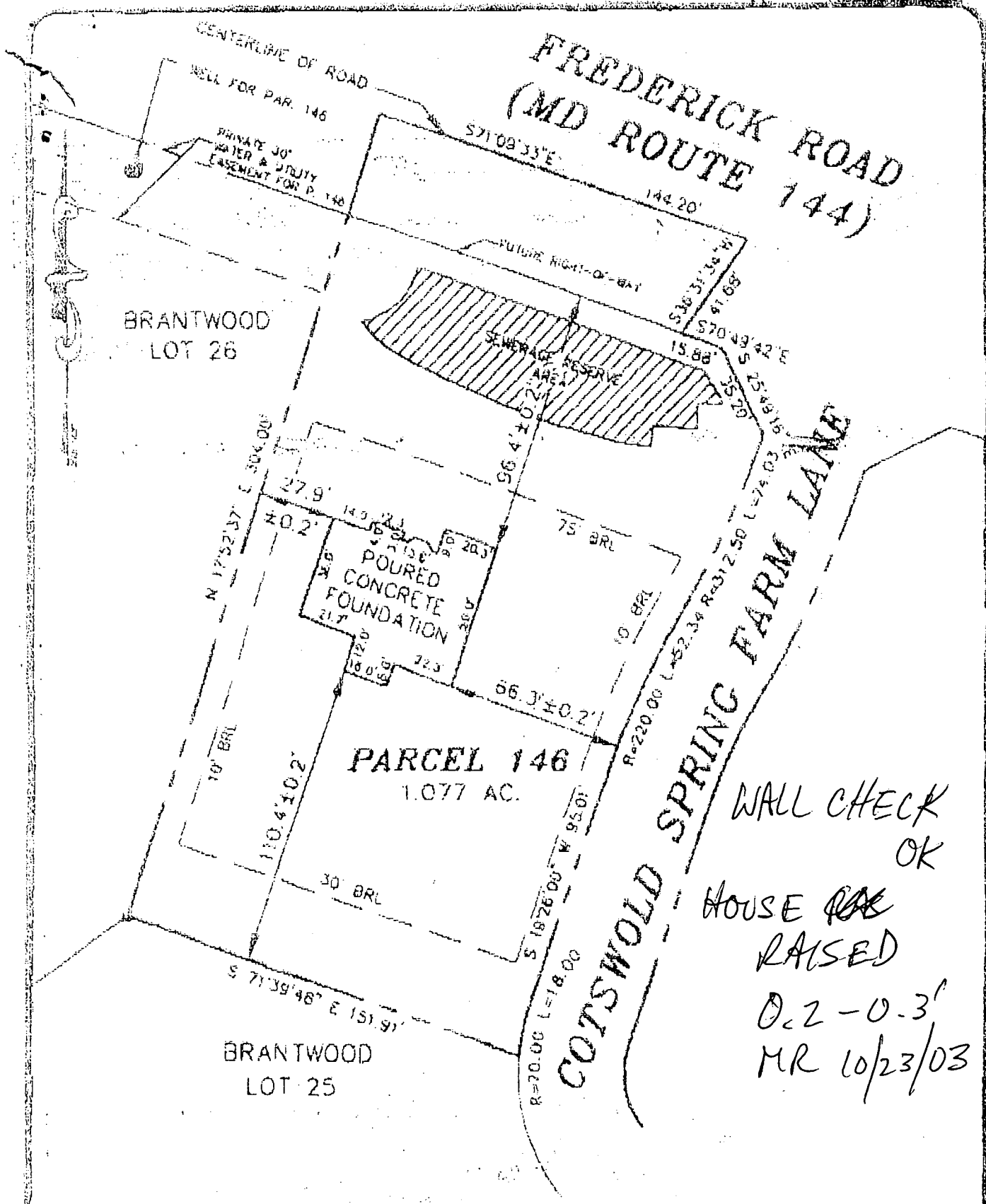
SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL ✓	
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST ✓	
SEPTIC TANK 2 LEVEL ✓	
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST ✓	

PRE-CONSTRUCTION 12/3/03 - SRA staked, contour accurate. Well line in SRA, needs to be moved. Very lg tree in SRA. Install (4) 60' trenches w/

INSTALLATION D.B. on upper prop line corner (SO)  
 12/4/03 - Tank set, pressure line & D.B. installed OK to cover (SO)

12/9/03 - OK to cover all work, Pump & Alarm test needed (SO)  
 1/20/04 - Pump & Alarm OK. Shut off plug wired for 220 v, should be 110. Contractor to call when fixed (SO)  
 1/20/04 - Kenny w/ S.C. called, Float fixed (SO)

FINAL INSPECTOR [Signature] DATE OF APPROVAL 1/28/04



WALL CHECK  
 OK  
 HOUSE ~~RAISE~~  
 RAISED  
 0.2 - 0.3'  
 MR 10/23/03

TOP OF WALL ELEV. = 817.1  
 FF ELEV. =  
 ADDRESS: 11433 COTSWOLD SPRING FARM LANE

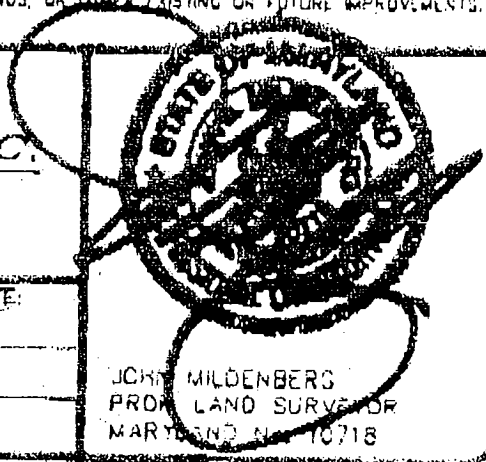
**TAX MAP 16 PARCEL 146**

LIBER 6312 FOLIO 655  
 3RD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

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.

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

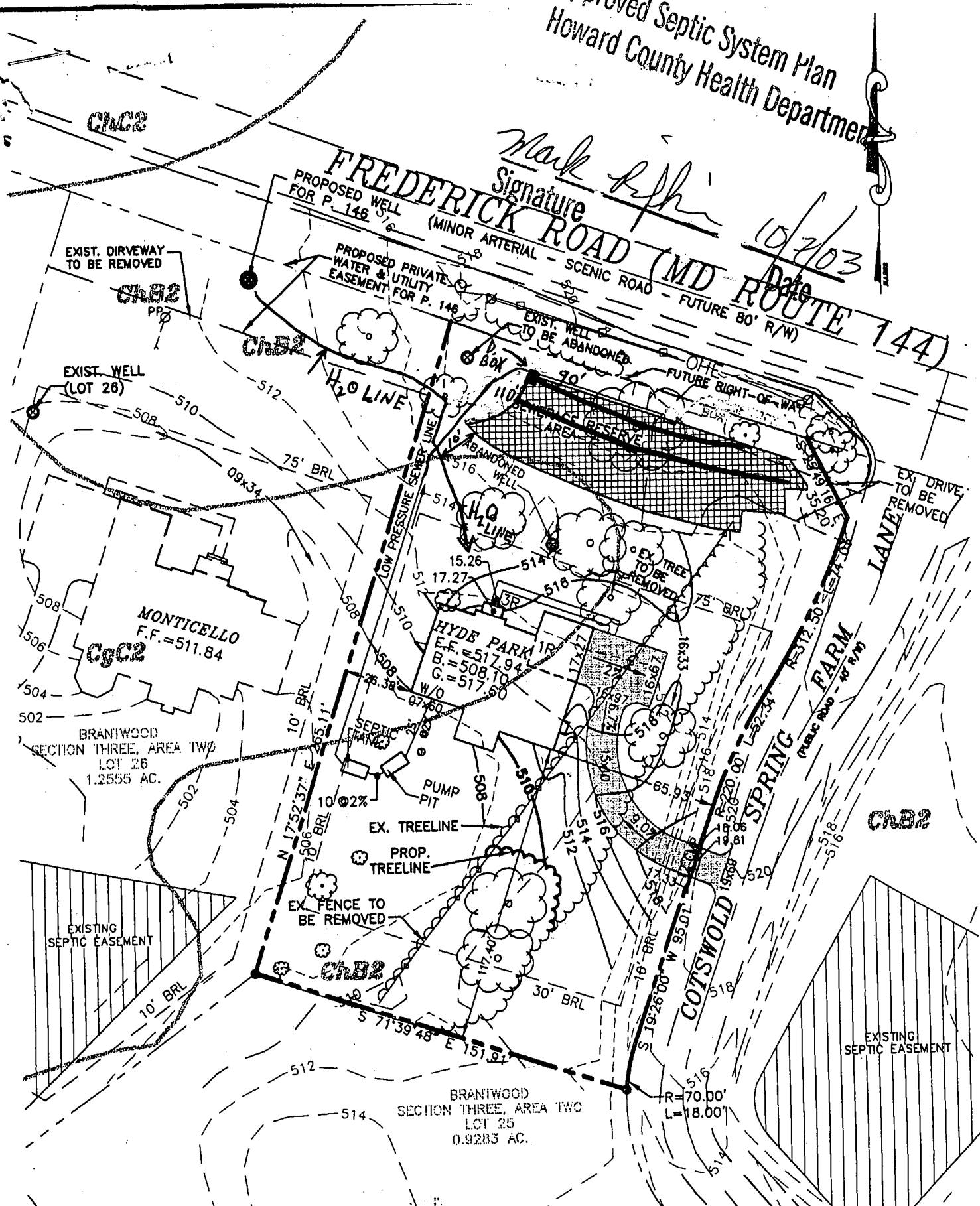
Engineers Planners Surveyors  
 3072 Dorsey Hall Drive, Suite 202, Beltsville City, Maryland 21042  
 (410) 997-0298 Bell. (801) 621-5581 Wash. (410) 597-0298 Fax



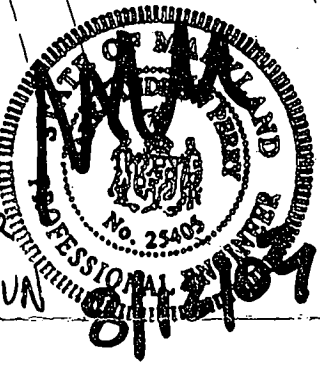
FOUNDATION	DATE: 10/16/03	FINAL	DATE:
DRAWN BY: MES	SCALE: 1" = 50'		
PROJECT NO.: 03-056	LOCATION DRAWING		

*Mark R. Miller*  
Signature

10/20/03  
Date  
FUTURE ROUTE 144



*CHB2*  
H<sub>2</sub>O LINE MUST  
BE AT LEAST  
36" BELOW GRADE  
AND 12" ABOVE SEWER  
LINE  
TOP OF FIELD-RUN



- NOTES:
1. NO GRAVITY SEWER SERVICE PROVIDED. SEWER SERVICE PROVIDED BY PRIVATE ON-SITE PUMP AND PRIVATE LOW PRESSURE SEWER.
  2. STORMWATER MANAGEMENT FOR LOT 26 PROVIDED UNDER F-01-73 AND AND F-01-78.
  3. USE STANDARD SEDIMENT CONTROL PLAN FOR SINGLE FAMILY RESIDENTIAL LOTS PER HOWARD SOIL CONSERVATION DISTRICT LETTER DATED JULY 14, 2003.

BASEMENT EL.=508.10  
INV. OUT. OF HOUSE=504.50  
INV. IN SEPTIC TANK=504.00  
INV. OUT OF SEPTIC TANK=503.75  
EXIST. EL. AT SEPTIC TANK=507.00  
PROP. EL. AT SEPTIC TANK=507.00  
INV. IN PUMP PIT=503.55  
EXIST. EL. AT PUMP PIT=506.50  
PROP. EL. AT PUMP PIT=506.50  
EXIST EL. AT DIST. BOX=519.00  
INV. IN DIST. BOX.=514.00

<b>BRANTWOOD</b>		
<b>SECTION THREE, AREA TWO</b>		
<b>PLOT PLAN PARCEL 146</b>		
<b>11433 COTSWOLD SPRING FARM LANE</b>		
ELECTION DISTRICT: 3	TAX MAP: 16	HOWARD COUNTY, MARYLAND
DRAWN BY: M.M.T.	SCALE: 1"=50'	DATE: AUG. 4, 2003

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

6072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Ball. (301) 621-6521 Wash. (410) 997-0298 Fax.

Health copy

DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS  
3830 COURT HOUSE DRIVE  
ELICOTT CITY, MD 21043  
PERMITS (410) 313 2456 INSPECTIONS (410) 313 1810  
AUTOMATED INFORMATION (410) 313 3800

**HOWARD COUNTY PERMIT APPLICATION**

**PERMIT NUMBER**  
B0043566 *net*

Building Address ~~11500 #1733~~ *Cotswold Spring Farm*  
*Ellicott City, MD ~~21043~~ 21042*

Suite/Apt. #: \_\_\_\_\_ SDP/WP/Petition #: \_\_\_\_\_

Census Tract *6030* Subdivision *Garbutt (Branthwood)*

Section \_\_\_\_\_ Area \_\_\_\_\_ Lot ~~1733~~

Tax Map *66* Parcel *446* Grid *21*

Zoning *RL PEO* Map Coordinates *10K6* Lot size \_\_\_\_\_

Property Owner's Name *NVR Inc*

Address *6085 Marshalee W. Ste 130*

City *Elkridge* State *MD* Zip Code *2105*

Home Phone \_\_\_\_\_ Work Phone *410-379-5956*

Applicant's Name & Mailing Address, (if other than stated herein):  
*Kimberly Cecil - Permit App. Services*  
*1547 Graysford Rd.*  
*Odenton, MD 21113*  
Phone *443-994-9702* Fax \_\_\_\_\_

Existing Use *Vacant Lot*

Proposed Use *SFD*

Estimated Construction Cost \$ *175,000*

Description of Work *"Hyde Park" - 2 story*  
*full bsmt, TOR, 3FB, 1MB, FP*  
*Garage - (4 Bdrm)*

Contractor Company *NVR Inc*

Contact Person *Kimberly Cecil*

Address *11048 Lewinsville Rd.*

City *McLean* State *VA* Zip Code *2210*

License No. *50*

Phone *443-994-9702* Fax \_\_\_\_\_

Occupant of Tenant \_\_\_\_\_

Contact Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Engineer or Architect Company \_\_\_\_\_

Contact Person \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

**BUILDING DESCRIPTION - COMMERCIAL**

**BUILDING DESCRIPTION - RESIDENTIAL**

Building Characteristics	Utilities
Height: _____	Water Supply: _____ Public _____ Private _____
No. of stories: _____	Sewage Disposal: _____ Public _____ Private _____
Gross area, sq. ft. per floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/>
Use group: _____	Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Construction type: _____ Reinforced Concrete _____ Structural Steel _____ Masonry _____ Wood Frame _____ State Certified Modular _____	Heating System: _____ Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>
	Sprinkler system: N/A <input type="checkbox"/> Full _____ Partial _____ Other Suppression _____ # of Heads _____

Building Characteristics	Utilities
SF Dwelling <input type="checkbox"/> SF Townhouse <input type="checkbox"/>	Water Supply: _____ Public _____ Private _____
Depth Width	Sewage Disposal: _____ Public _____ Private <input checked="" type="checkbox"/>
1st floor: <i>38</i> <i>60</i>	Electric Yes <input type="checkbox"/> No <input type="checkbox"/>
2nd floor: <i>36</i> <i>60</i>	Gas Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Basement: <i>50</i> <i>60</i>	Heating System: _____ Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input checked="" type="checkbox"/> Propane Gas <input type="checkbox"/>
Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/>	Sprinkler system: N/A <input type="checkbox"/> NFPA #13D _____ NFPA #13R _____ Other: _____
Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/>	
No. of Bedrooms <i>4</i>	
Multi-family dwellings: _____	
No. of efficiency units: _____	
No. of 1 BR units: _____	
No. of 2 BR units: _____	
No. of 3 BR units: _____	
Other Structure: _____	
Dimensions: _____	
Footings: _____	
Roof: _____	
State Certified Modular _____	
Manufactured Home _____	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION, (2) THAT THE INFORMATION IS CORRECT, (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO, (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION, (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

*Kimberly Cecil - Permit Applicant*  
Applicant's Signature \_\_\_\_\_  
*NVR Inc*  
Title/Company \_\_\_\_\_

*NVR Inc*  
Print Name \_\_\_\_\_  
*8/13/03*  
Date \_\_\_\_\_

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**  
\*\* PLEASE WRITE NEATLY AND LEGIBLY. \*\*  
- FOR OFFICE USE ONLY -

AGENCY	DATE	SIGNATURE APPROVAL
Land Development, DPZ		
State Highways		
Building Official		
Dev. Engineering, DPZ		
Health	<i>10/2/03</i>	<i>Mark RPK</i>
Fire Protection		
Is Sediment Control approval required prior to issuance?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>		
ONE STOP SHOP: <input type="checkbox"/>		

**DPZ SETBACK INFORMATION**

Front: \_\_\_\_\_

Rear: \_\_\_\_\_

Side: \_\_\_\_\_

Side St: \_\_\_\_\_

All minimum setbacks met? YES  NO

Is Entrance Permit required? YES  NO

Historic District? YES  NO

Lot Coverage for New Town Zone \_\_\_\_\_

SDP/Red-line approval date \_\_\_\_\_

**PROPERTY ID#:** *59244*

Filing fee \$ *100*

Permit fee \$ \_\_\_\_\_

Excise tax \$ \_\_\_\_\_

Add'l per. fee \$ \_\_\_\_\_

TOTAL FEES \$ \_\_\_\_\_

Sub-total paid \$ \_\_\_\_\_

Balance due \$ \_\_\_\_\_

Check # *13453*

Validation # *32494*

Accepted by *[Signature]*

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WATER AND SEWERAGE PROGRAM  
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Robert L. Freezer Co. Inc Telephone #: 410-781-4655  
Address: 6301 Barnett Ave.  
Sykesville, MD

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:  
Name (Print): Robert L. Freezer License # 2122

\*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: NV Homes Telephone #: 410-379-5956  
Subdivision: Garbutt Lot #: 146 Well Tag #: HO 94-3711  
Site Address: 11300 Cotswold Springs Farm Ln  
Ellicott City, MD 21042

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit  
Make: Sta-Rite Make: Campbell Two piece watertight cap:   
Model #: SP4C00HL-03 Model #: PT 800 Screened, vented well cap:   
Pump Capacity 5 GPM Depth: 42" (36" min) Cap secured to casing:   
Well Yield: 5 GPM NSF approved:  Conduit min 18" B.G.:   
Depth of well encountered at time of pump installation: 300 (feet) Conduit secured to well cap:

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4  
Torque arrestors or Cable guards are required - Must circle one  
Safety rope, if used, attached to inside of well casing with eye bolt

Piping to house House Connection  
Type: Poly PVC sleeved to undisturbed soil at wall penetration:   
PSI: 200 (160 psi min) Approximate length of sleeve: 5'  
Depth of supply line: 42" (36" min) Sleeve caulked and sealed properly:

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Robert L. Freezer date: 1/5/04

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 11-10-03 PM Date Insp. Approved: 1/20/04 (80)  
Inspection Data: Pitless adapter and water supply line at least 36" below grade   
Two piece cap installed and attached to casing securely   
Elec. conduit extends at least 18" below grade/attached to cap properly   
Safety rope installed inside of well casing   
Correct well tag attached properly and casing 8" above finished grade   
Water supply line sleeved adequately at house connection   
Adequate grout observed below pitless adapter

**DRILLER: REMOVE COPY AND RETAIN FOR YOUR RECORDS. RETURN COUNTY COPY TO COUNTY ENVIRONMENTAL AGENCY. SUBMIT COPY TO OWNER. RETURN ALL OTHER PARTS TO DEPARTMENT OF ENVIRONMENT, 2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224.**

<b>C13931</b>	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND WELL COMPLETION REPORT</b> FILL IN THIS FORM COMPLETELY PLEASE TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)			COUNTY NUMBER <b>A511420</b>
ST/CO USE ONLY DATE Received MM DD YY 8 13	DATE WELL COMPLETED MM DD YY 07 21 2003	Depth of Well 22 300 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" <b>HO-94 3711</b>
OWNER <b>BRANTLY DEVELOPMENT</b> STREET OR RFD <b>11733 FREDERICK ROAD</b> first name TOWN <b>WEST FRIENDSHIP</b> SUBDIVISION <b>BRINEGAR PROPERTY</b> SECTION LOT			
<b>WELL LOG</b> Not required for driven wells		<b>GROUTING RECORD</b>	
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		WELL HAS BEEN GROUTED (Circle Appropriate Box) <input checked="" type="radio"/> Y <input type="radio"/> N	
DESCRIPTION (Use additional sheets if needed)	FEET FROM TO	check if water bearing	TYPE OF GROUTING MATERIAL (Circle one) CEMENT <input checked="" type="radio"/> CM BENTONITE CLAY <input type="radio"/> BC
Overburden Gray Rock  water at 125'	0 55 55 300	x	NO. OF BAGS <sup>45 46</sup> 15 NO. OF POUNDS <sup>45 46</sup> 90
			GALLONS OF WATER 90
			DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 60 ft. (enter 0 if from surface)
			<b>CASING RECORD</b>
			ST STEEL CO CONCRETE PL PLASTIC OT OTHER
			MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot) PL 6 60
			OTHER CASING (if used) diameter depth (feet) inch from to
			screen type or open hole insert appropriate code below ST STEEL BR BRASS BRONZE PL PLASTIC HO OPEN HOLE OT OTHER
NUMBER OF UNSUCCESSFUL WELLS: 0			<b>C 2</b> DEPTH (nearest ft.)
WELL HYDROFRACTURED <input checked="" type="radio"/> Y <input type="radio"/> N			1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
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			SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 58 60 from to
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 28.04.04 "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.			GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68
DRILLERS LIC NO. <b>MWD 120</b> DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)			MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q
LIC NO. <b>JSD 049</b> SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)			TELESCOPE CASING LOG INDICATOR OTHER DATA
			<b>PUMPING TEST</b> HOURS PUMPED (nearest hour) <b>3</b> PUMPING RATE (gal. per min.) <b>8.33</b> METHOD USED TO MEASURE PUMPING RATE <b>Submersible</b> WATER LEVEL (distance from land surface) BEFORE PUMPING <b>37</b> ft. WHEN PUMPING <b>185</b> ft. TYPE OF PUMP USED (for test) <input checked="" type="radio"/> S submersible
			<b>PUMP INSTALLED</b> DRILLER INSTALLED PUMP YES <input type="radio"/> NO <input checked="" type="radio"/> 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) <input checked="" type="radio"/> + above } LAND SURFACE <input type="radio"/> - below } (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) Drilled on Stake Provided by Developer





B 1	<b>0248</b>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL <b>518994</b> please type	STATE PERMIT NUMBER <b>HD-94-3711</b> <small>fill in this form completely</small>
-----	-------------	--------------------------------	--	---

Date Received (APA) **06 05 03**

**OWNER INFORMATION**

**Branthly Development**  
15 Last Name Owner First Name 34

**8835 P Columbia 100 Pkwy**  
36 Street or RFD 55

**Columbia MD 21045**  
57 Town 70 State 72 Zip 76

**LOCATION OF WELL**

**Howard**  
8 COUNTY 21

**Brinesar Prop.**  
23 SUBDIVISION 42

SECTION **44** 46 LOT **Parcel H** 48 50

**West Friendship**  
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) **2** M I  
73 76 77 78

**DRILLER INFORMATION**

**Sandy B Cochran MWD 120**  
Driller's Name 76 License No. 81

**G Edgar Harr Sons Corp**  
Firm Name

**12047 Falls Rd Cockeysville 21030**  
Address

**S B Cochran 5-20-03**  
Signature Date

**DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**

**11433 Frederick Rd**  
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
NORTH N WEST W EAST E SOUTH S

34 100 37  
DISTANCE FROM ROAD FT  
ENTER FT OR MI 38 39

TAX MAP: **16** BLK: **21** PARCEL **146**

**WELL INFORMATION**

APPROX. PUMPING RATE **5**  
(GAL. PER MIN.) 8 12

AVERAGE DAILY QUANTITY NEEDED **750**  
(GAL. PER DAY) 14 20

**USE FOR WATER (CIRCLE APPROPRIATE BOX)**

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

**Howard** COUNTY NAME **A511420** COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S → 41

DATE ISSUED **06 26 03** Mark E. Rifkin 6/26/04  
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID **531 000** EAST GRID **0826 000**  
50 55 57 63

APPROXIMATE DEPTH OF WELL **250** FEET  
24 28

APPROXIMATE DIAMETER OF WELL **6** INCH  
NEAREST INCH

**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 \_\_\_\_\_

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 **826**  
N **5321**

**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 DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 **HD-94-3244**

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

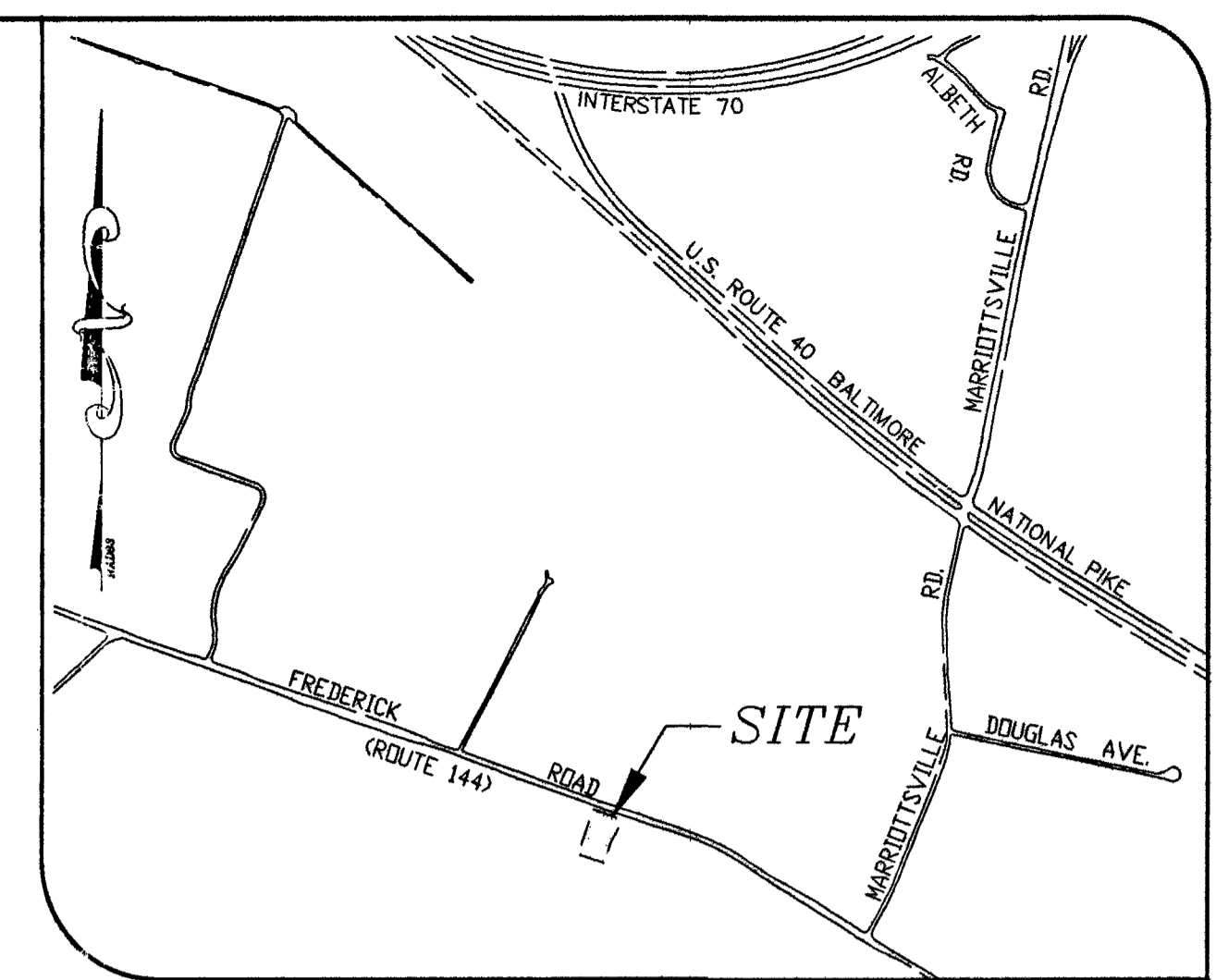
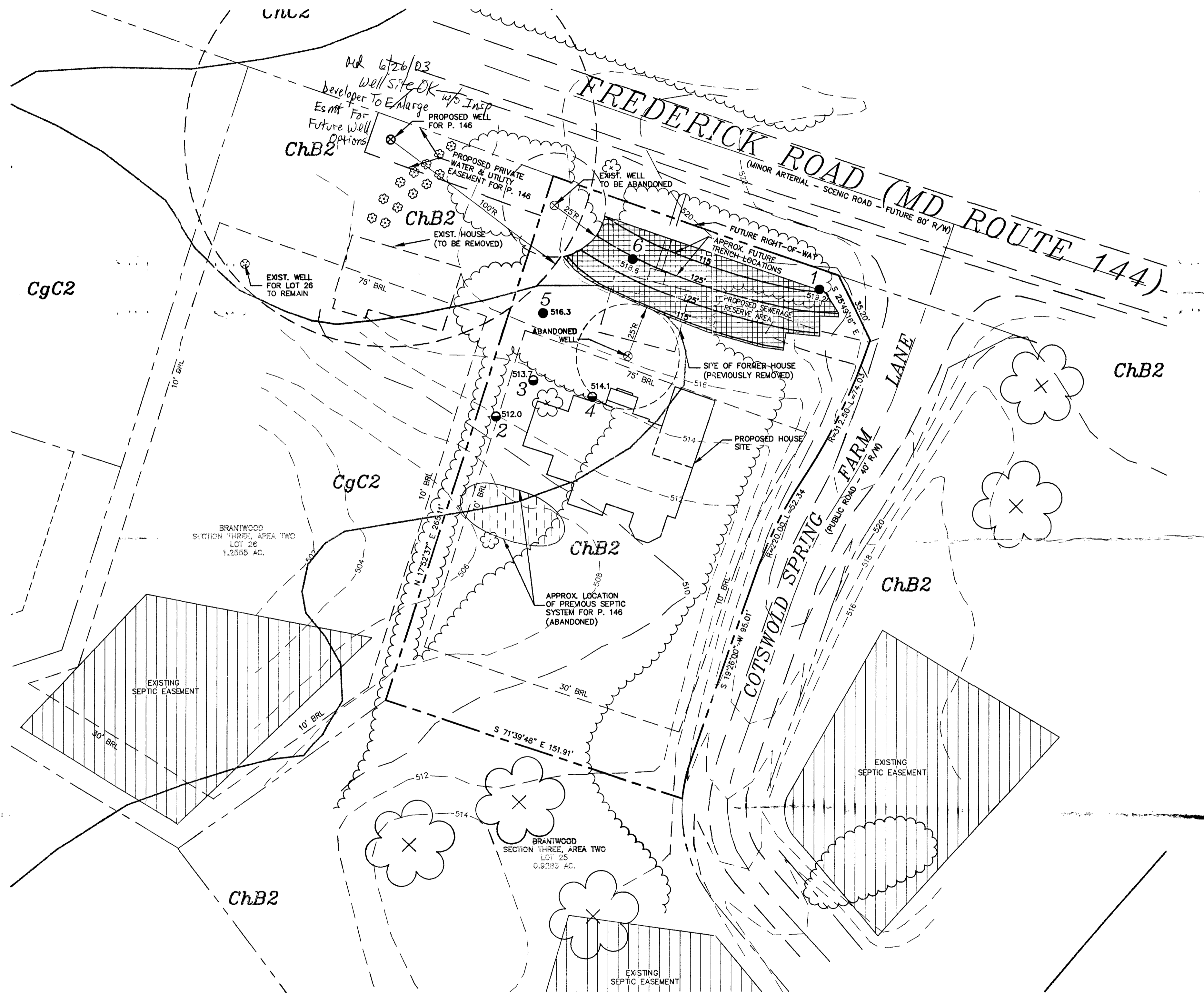
**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**

APPROP. PERMIT NUMBER **G**

PERMIT No. **HD-94-3711**  
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS **WELL PERMIT ISSUED FOR TEST WELL SINCE OFFSITE ESM? NOT RECORDED; REQUEST FOR CONVERSION REQ'D LATER; YIELD TEST REQ'D**

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



VICINITY MAP  
SCALE: 1"=2000'

**GENERAL NOTES:**

- SUBJECT PROPERTY ZONED RC PER THE 10/18/93 COMPREHENSIVE ZONING PLAN.
- BOUNDARY SHOWN HEREON IS BASED ON RECORD PLAT NO. 15118, BRANTWOOD SECTION THREE, AREA TWO, F-01-073.
- SITE LOCATION :  
TAX MAP 16, PARCEL 146  
DEED REFERENCE : 6312/655  
SITE AREA : 1.07 ACRES ±
- TOPOGRAPHY SHOWN HEREON IS FROM THE APPROVED FINAL PLANS FOR BRANTWOOD SECTION THREE, AREA TWO, F-01-073, AND IS BASED ON AERIAL PHOTOGRAMMETRY BY HARFORD AERIAL SURVEYS, INC., ON OR ABOUT SEPTEMBER 2000 AND HOWARD COUNTY AERIAL TOPOGRAPHY.
- BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON SITE.
- SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED 1968, SHEET 16.
- PRIVATE WELL AND SEWERAGE WILL BE UTILIZED.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE RESERVE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS RESERVE AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE RESERVE AREA.
- ALL EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY ARE SHOWN.
- PERCOLATION TEST HOLES FIELD LOCATED BY LDE, INC., ON OR ABOUT MARCH 2003.
- PROPOSED WELL FOR PARCEL 146 TO BE LOCATED ON ADJACENT LOT 26. PRIVATE WATER & UTILITY EASEMENT FOR THE PROPOSED WELL WILL BE RECORDED IN THE LAND RECORDS OF HOWARD COUNTY PRIOR TO ISSUANCE OF A BUILDING PERMIT.
- SEPTIC AREA SIZE BASED ON TWO SYSTEMS, WHERE TRENCH LENGTH FOR EACH SYSTEM IS COMPUTED AS FOLLOWS:  
REQ'D SOFT/BEDROOM = 180 SOFT\*  
REQ'D TRENCH WIDTH = 3 FT\*  
# PROPOSED BEDROOMS = 4  
THEREFORE, MINIMUM REQ'D TRENCH LENGTH = 240 LIN. FT./SYSTEM  
\*REFERENCE PERCOLATION TEST RESULTS A 511420 RETEST

**LEGEND**

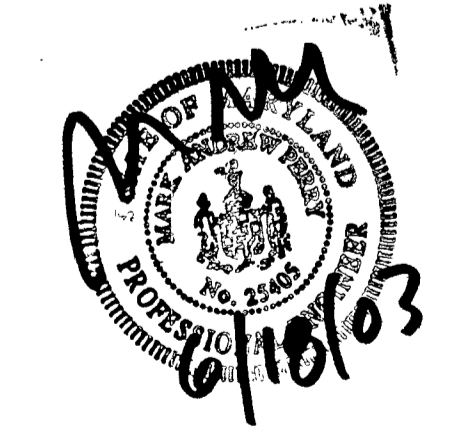
- PASSED PERC HOLE
- FAILED PERC HOLE
- ⊗ EXISTING WELL
- ⊗ PROPOSED WELL
- ▨ EXISTING SEPTIC EASEMENT
- ▨ ABANDONED SEPTIC SYSTEM

**SOILS DESCRIPTIONS:**

SYMBOL	DESCRIPTION
CgC2	Chester gravely silt loam, 8% to 15% slopes, moderately eroded [moderate: slopes] - Type B
ChB2	Chester silt loam, 3% to 8% slopes, moderately eroded [slight] - Type B
ChC2	Chester silt loam, 8% to 15% slopes, moderately eroded [moderate: slopes] - Type B

APPROVED:  
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT

*Denise Banta MD, PE* 6-20-03  
HOWARD COUNTY HEALTH OFFICER MK DATE



**OWNER**  
RICHARD B. TALKIN, TRUSTEE  
10135 COLUMBIA 100 PARKWAY  
COLUMBIA, MD 21045  
(410) 531-2634

Signed PC 511420

Project	03-044	date	JUNE 2003
Illustration	MAP	engineering	MAP
Scale	1" = 30'	approval	RJH

description	revisions	date

**11433 COTSWOLD SPRING FARM LANE**  
ELECTION DISTRICT TAX MAP 16 - PARCEL 146 HOWARD COUNTY, MARYLAND  
**PERCOLATION CERTIFICATION PLAT (A 511420)**

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042  
(410) 987-0296 Fax: (301) 521-6521 Wash. (410) 987-0298 Fax

H:\03-044\03-044-percplatt.dwg

\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

TAG RETURNED  
 & DESTROYED

DATE WELL ABANDONED: 7-23-03 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any)

Ho - 94 - 3244

\* PERMIT NUMBER OF REPLACEMENT WELL

Ho - 94 - 3711

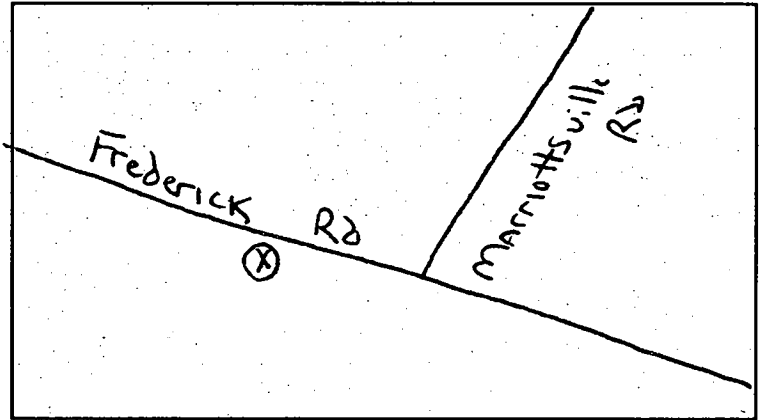
\* PERSON ABANDONING WELL: MAURICE DIXON

WELL DRILLERS LICENSE NUMBER: 0666  
 CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Brantly Development

\* WELL LOCATION:  
 COUNTY: Howard  
 NEAREST TOWN: West Friendship  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: Brinegar  
 SECTION: \_\_\_\_\_ LOT: Parcel H  
 NEAREST ROAD: 11433 Frederick Rd

SITE LOCATION MAP



\* TYPE OF WELL BEING ABANDONED:

- DRILLED \_\_\_\_\_ JETTED
- \_\_\_\_\_ BORED/AUGERED \_\_\_\_\_ HAND DUG
- \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC
- \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL
- \_\_\_\_\_ TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

- \_\_\_\_\_ STEEL  PLASTIC
- \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 6 INCHES IN DIAMETER

\* DEPTH OF WELL: 500 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES  NO  
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Drill Cuttings	500	600
Portland Cement	600	0
VOLUME OF MATERIAL USED		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN  
 DENV 828 JULY 1997

Maurice Dixon

LICENSE #

0666

CIRCLE ONE

MWD/MSD/MGD

DATE

7/23/03

C1 0508

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE TYPE

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

COUNTY NUMBER A 511420

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

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY

Depth of Well (TO NEAREST FOOT)

PERMIT NO. HO: 94-3244

OWNER: Brantly Development; STREET OR RFD: 11433 Frederick Rd. (Cotswold); TOWN: TAG; SUBDIVISION: Bringer Property (Brantwood); SECTION: 3/2; LOT: Parcel H

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entry for Overburden Gray Rpsck and water at 425'.

GROUTING RECORD section with fields for CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS (7), NO. OF POUNDS (100), GALLONS OF WATER (42), DEPTH OF GROUT SEAL (0 to 30 ft).

CASING RECORD section with fields for MAIN CASING TYPE (PL), Nominal diameter (6 inches), Total depth of main casing (30 feet).

OTHER CASING (if used) section with fields for diameter and depth.

SCREEN RECORD section with fields for screen type (PL), BRASS (BR), OPEN HOLE (HO), PLASTIC (PL), OTHER (OT).

Administrative fields: NUMBER OF UNSUCCESSFUL WELLS (0), WELL HYDROFRACTURED (N), CIRCLE APPROPRIATE LETTER (A, E, P).

DEPTH (nearest ft.) section with fields for casing height (+30), slot size (3), diameter of screen (60 inches).

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...

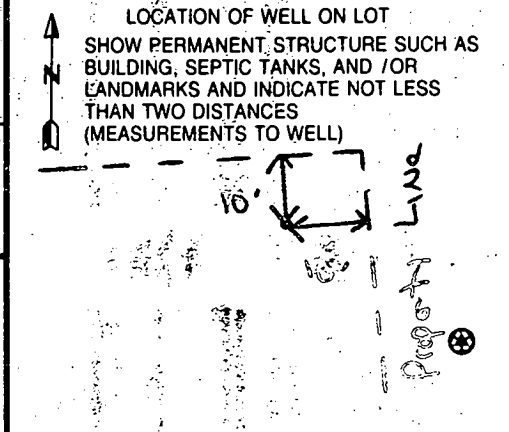
DRILLERS LIC. NO. MWD 399; DRILLERS SIGNATURE: Thomas McCall; LIC. NO. M 50049

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) section with fields for TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST section with fields: HOURS PUMPED (3), PUMPING RATE (13.04 gal. per min.), METHOD USED TO MEASURE PUMPING RATE (Submersible), WATER LEVEL (56 ft. before, 152 ft. when pumping), TYPE OF PUMP USED (S - submersible).

PUMP INSTALLED section with fields: DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED (S), CAPACITY: GALLONS PER MINUTE (31), PUMP HORSE POWER (37), PUMP COLUMN LENGTH (41), CASING HEIGHT (+30).







B 1 3211

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

10-94-3244

fill in this form completely

W516047 please print or type

OWNER INFORMATION: Date Received (APA) 9/26/01, Brantly Development, 8835-P Columbia 100 PKW, Columbia MD 21045

LOCATION OF WELL: Howard County, Brinegar Subdivision, Parcel H, West Friendship, 2 miles from town

DRILLER INFORMATION: Paul M Fabiszak MW D399, G Edgar Harr Sons Corp, 12047 Falls Rd, 9-25-01

DIRECTION OF WELL FROM TOWN (CIRCLE BOX) SE, 11433 Frederick Road, 75 feet from road, Parcel 172

WELL INFORMATION: APPROX. PUMPING RATE 5 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 750 GAL. PER DAY

USE FOR WATER (CIRCLE APPROPRIATE BOX): D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

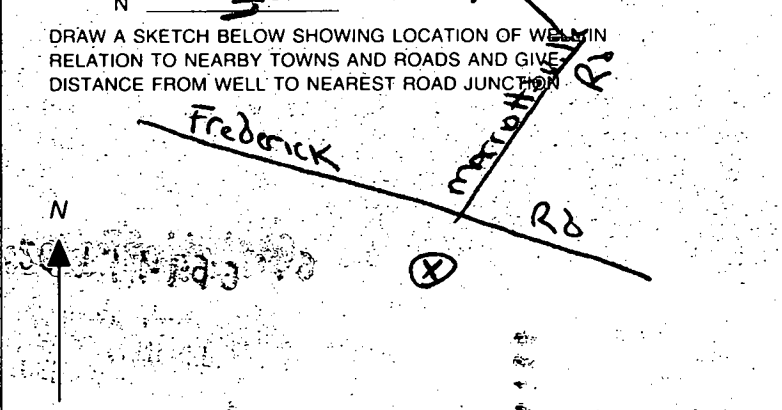
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: Howard County, A511420, 9/29/01, 9/29/02

APPROXIMATE DEPTH OF WELL 300 FEET, APPROXIMATE DIAMETER OF WELL 6 INCH

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

METHOD OF DRILLING (circle one): BORED (or Augered) AIR-ROTARY, JETTED AIR-PERCUSION, Jetted & DRIVEN ROTARY (Hydraulic Rotary), CABLE REVERSE-ROTARY, DRIVE-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX): Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED



Not to be filled in by driller (MDE OR COUNTY USE ONLY): APPROP. PERMIT NUMBER H098 GAP 003 (2), PERMIT No. 10-94-3244

SPECIAL CONDITIONS yield test required - provide documentation of proper abandonment & seal of old well



# APPLICATION

OFFICE

COUNTY  
OFFICE

## PERCOLATION TESTING

AND FEE

P

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

RETEST OF  
SUSPECT RESERVE  
AREA NOT  
ADEQUATELY TESTED

DISTRICT

DATE

*(initials)*

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 Brantly Development

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

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

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

PROPERTY LOCATION:

SUBDIVISION previously Brinegar Prop LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION

DATE	TEST NO.	DEPTH	START	STOP	PRE-TEST	START	STOP	TEST TIME

TAX MAP 116 PARCEL # 146

SIZE OF LOT \_\_\_\_\_ TYPE BLDG NEW 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

COUNTY #

SOIL PROFILE

0' **(1) (6)** FILL AT HOLE

orange  
brn  
cl lm  
of hvy  
lm

6-12'  
tan brn  
mica  
salm  
15-25%  
Rx  
↑ w/depth

13-14'  
2

hvy  
orange red  
brn  
cl lm

7

gray  
salm  
40-60%  
Rx

gray  
salm  
40-50%  
Rx

8  
DOWNHILL

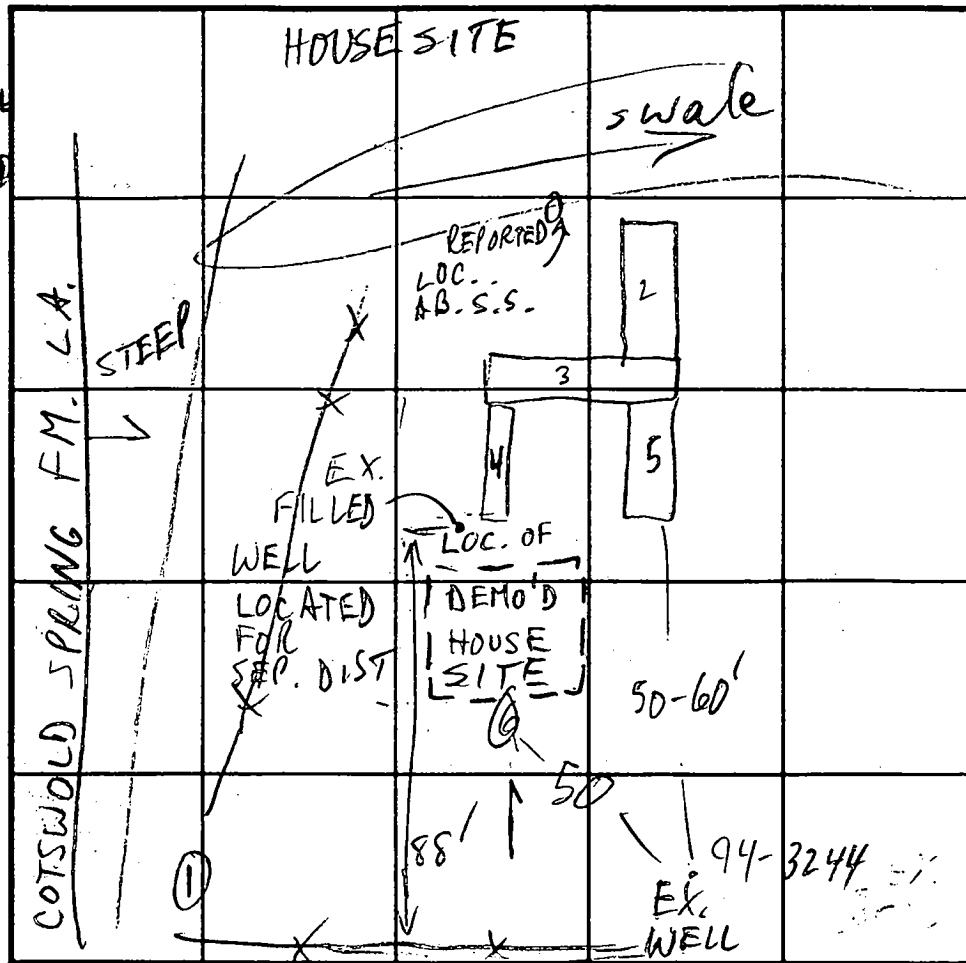
3

hvy orange  
red brn  
cl lm

7

red  
si lm  
40-60%  
limestone  
frags  
20%  
Rx

10-14'  
ROCK



SOIL PROFILE

UPHILL 7 DOWN 2

FILL

orange red  
hvy lm

7

tan gray  
salm  
20%  
Rx

LIME-  
STONE  
ROCK

3

UP S DOWN

hvy red  
orange cl lm

6

lt orange  
or salm  
20-40%  
Rx

WORSE  
WEST

11

30-50%  
Rx

12

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. FRED. RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/11/03	1 V	13	05				OK
	2 V	8-10					F
	3 V	10-14 1/2					F
	4 V	7-13	AVOID	BY 25'			
	5 M V	7-8? / 12	4:15	4:20	4:29	4:30	10
	6 V	14					OK

REMARKS SOILS FAIL IN VICINITY OF SDA ON PRELIM PLAN

TYPE OF SOIL ONLY AREA AVAIL AT HIGHEST P/O LOT, REQUIRING AB. OF EX. WELL AND NEW WELL OFF SITE

TESTED BY M. Ripkin ALSO PRESENT Nick L. Joe man

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME EST < 7 TRENCH WIDTH 3

INLET DEPTH 5 MAXIMUM BOTTOM DEPTH 7 SQ. FT./BEDROOM 180

# APPLICATION

PERCOLATION TESTING

A 511420

P \_\_\_\_\_

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

DISTRICT 3rd

DATE 2/10/99

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 Wendy E. Takacs  
11407 Frederick Road  
ADDRESS Ellicott City, MD 21042 PHONE 410-531-3858

AGENT OR PROSPECTIVE BUYER Brantwood LLC  
8835-P Columbia 100 Pkwy.  
ADDRESS Columbia, MD 21045 PHONE 410-730-0810

PROPERTY LOCATION:

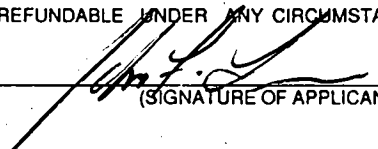
SUBDIVISION Brantwood Section Three LOT NO. adjoiner conveyance lot PARCELS "A" Parcel "H" Brinegar Property

ROAD AND DESCRIPTION Cotswold Spring Farm Lane

TAX MAP 16 PARCEL # 205

SIZE OF LOT 40,000 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.



(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 #

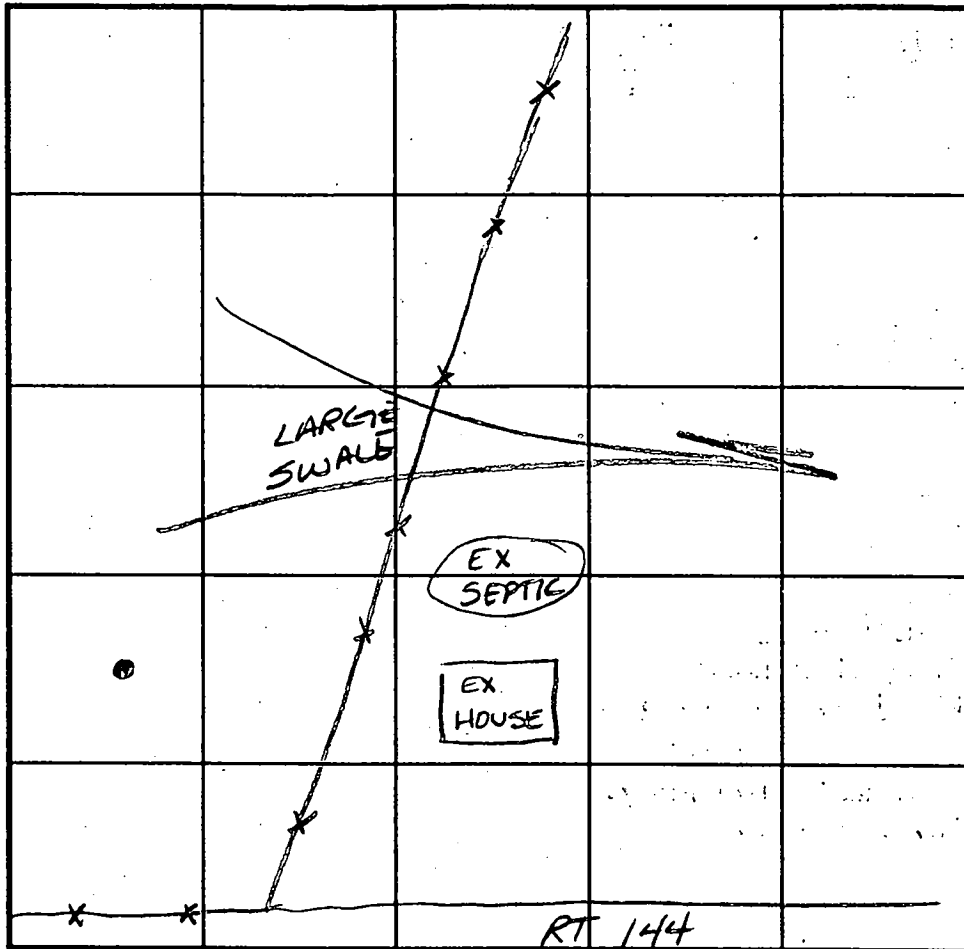
SOIL PROFILE

0'

Empty box for soil profile data.

Empty box for soil profile data.

Empty box for soil profile data.



SOIL PROFILE

0'

Empty box for soil profile data.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. RT, 144

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-8-99	814	TEST @ 45'					

THIS PERC CONDUCTED IN THE EVENT THE ADJACENT HOUSE/LAND IS INCLUDED IN S/A. IF PCLG IS GIVEN TO THIS HOUSE THEN LOT MUCH BETTER WELL/SEPTIC WISE THAN IT CURRENTLY EXISTS

REMARKS No records existing for existing well or septic @ 11433 Frederick Rd (Brinegar Property)  
 other test records suggest deep clay + slow perc rates to Southeast (Final Parcel "H")  
 TYPE OF SOIL \_\_\_\_\_ (in swale)

TESTED BY Amy McMillen ALSO PRESENT \_\_\_\_\_

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

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



# BRANTLY

25th Anniversary 1975-2000

Hugh F. Cole, Jr.  
Chairman

John F. Liparini  
President & CEO

John Boris  
Howard County Health Department  
Water and Sewerage Program  
3525-H Ellicott Mills Dr.  
Ellicott City, MD 21043  
Fax: 410-313-2648

Re: Demolition Release – 11433 and 11455 Frederick Rd., Ellicott City, MD 21043

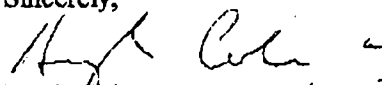
Dear Mr. Boris,

I am in the process of applying for a demolition permit for the above listed properties. As a part of the process, I must obtain a release from your office. We plan on demolishing the houses located at those properties.

Please fax a release to me at 410.715.0681 and mail an original to the above address. If further action is required prior to a release from your office, please contact me as soon as possible. I can be reached at 410-730-0810.

Thank you for your cooperation in this matter. I look forward to hearing from you soon.

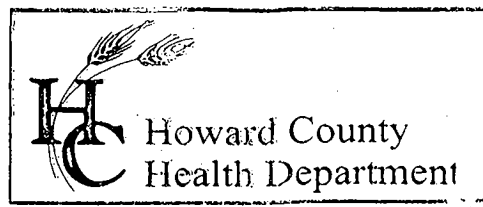
Sincerely,

  
Hugh Cole III  
Brantwood, LLC

410-365-7236 (cell)

**Brantly Development Group, Inc.**  
Real Estate Development

8835-P Columbia 100 Parkway Columbia, Maryland 21045 • (410)730-0810 Baltimore (301)596-4011 Washington (410)715-0681 Fax




3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: [www.hchealth.org](http://www.hchealth.org)

Penny E. Borenstein, M.D., M.P.H., Health Officer

December 20, 2002

MEMORANDUM

TO: Hugh Cole III  
Brantly Development  
8835-P Columbia 100 Parkway  
Columbia, MD 21045

FROM: Mark Rifkin   
Well and Septic Program

RE: 11433 Frederick Road  
Map 16, Parcel 146  
Former Brinegar Property

This office recommends issuance of the demolition permit for the referenced property.  
The well and septic system have been properly abandoned.

MR  
File

\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 11-1-02 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) \_\_\_\_\_

\* PERMIT NUMBER OF REPLACEMENT WELL \_\_\_\_\_

\* PERSON ABANDONING WELL: Robert Brown

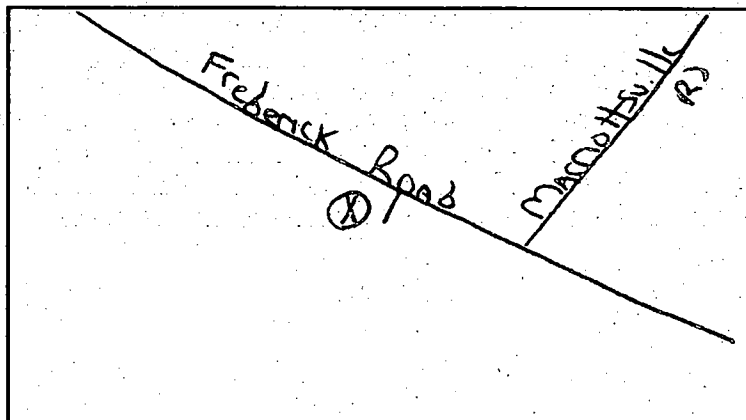
WELL DRILLERS LICENSE NUMBER: JSD052

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Brantly Development

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Howard  
 NEAREST TOWN: West Friendship  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: Brinegar  
 SECTION: \_\_\_\_\_ LOT: Parcel H  
 NEAREST ROAD: 11433 Frederick Road



\* TYPE OF WELL BEING ABANDONED:

- DRILLED \_\_\_\_\_ JETTED \_\_\_\_\_
- \_\_\_\_\_ BORED/AUGERED \_\_\_\_\_ HAND DUG \_\_\_\_\_
- \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC \_\_\_\_\_
- \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL \_\_\_\_\_
- \_\_\_\_\_ TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL \_\_\_\_\_

\* TYPE OF CASING:

- STEEL \_\_\_\_\_ PLASTIC \_\_\_\_\_
- \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 6 INCHES IN DIAMETER

\* DEPTH OF WELL: 65 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES  NO  
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Portland Cement	65	0
VOLUME OF MATERIAL USED		

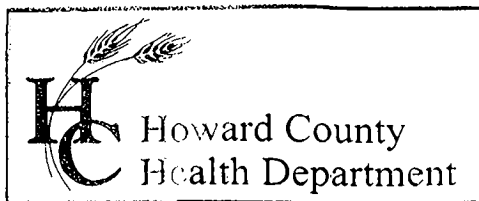
SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

LICENSE # 066

MWD/MSD/MGD  
 CIRCLE ONE

11/4/02  
 DATE





3525 H Ellicott Mills Drive, Ellicott City, MD 21043

(410) 313-2640 Fax (410) 313-2648

TDD (410) 313-2323 Toll Free 1-866-313-6300


website: [www.hchealth.org](http://www.hchealth.org)

Penny E. Borenstein, M.D., M.P.H., Health Officer

December 20, 2002

MEMORANDUM

TO: Hugh Cole III  
Brantly Development  
8835-P Columbia 100 Parkway  
Columbia, MD 21045

FROM: Mark Rifkin   
Well and Septic Program

RE: 11433 Frederick Road  
Map 16, Parcel 146  
Former Brinegar Property

Although the location of the future house is not known, attached is a recommendation for adjustment of the sewage disposal area previously depicted on relevant plans.

It is presumed that DPZ's building restriction lines will force the house to be at the rear of the property as seen from Frederick Road, and served by a pumped septic system. Although a tentative reserve area is shown on the signed preliminary plan (P-00-03), this reserve area appears to be supported by only one passing test hole at the highest portion of the lot, with no passing test holes at the lower end adjacent to the significant swale. A failed test hole is shown thirty feet from the edge of the reserve area in the swale. Soils in this vicinity are suspected of having deep clay issues.

In addition, any reserve area should exclude the disturbance presented by the existing septic system, which was found along the right side of the property at the time of abandonment. Given the additional restrictions provided by the recently drilled well and the fill expected to replace the soon-to-be demolished house, the adjustment shown would appear to provide the best solution to these issues.

Prior to building permit issuance, three test holes as shown should be excavated as shown to confirm suitable soils in the adjusted reserve area.

If you have any questions, please call me at the number above.

MR  
File

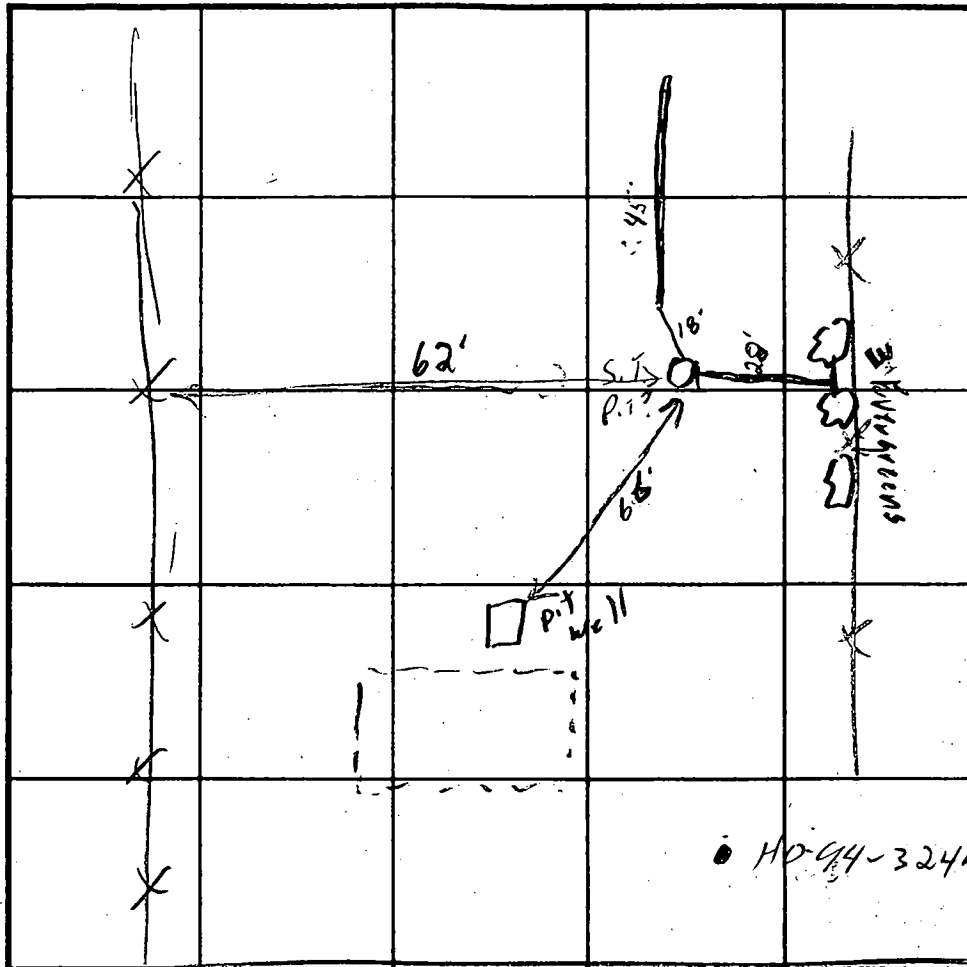
COUNTY #

SOIL PROFILE

Empty box for soil profile notes.

Empty box for soil profile notes.

Empty box for soil profile notes.



SOIL PROFILE

Empty box for soil profile notes.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/19/02	(50)						
		Tank abandoned			(50)		
		Pit well		grouted in	(50)		

REMARKS 11433 Fred Rd

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 \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 \_\_\_\_\_

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

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

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

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(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

MU VARIABLE

WIDTH  
2/20/03 vehicular Ingre  
Re-test

150 (EX. 1025  
Ex Entrance  
To Be Abandoned

503

N 71° 09' 33" W

Street Light

12" W (Contr # 44-3479)

88.30

65 DBA

Ex House to remain

10

56,100

Sewage Disposal Area

Ex Septic

10

10

10

10

260

Ex Well Ex House

39

39

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RECOMMENDED  
ADJUSTMENT TO  
SDA GIVEN  
LOC. OF ABANDONED  
SYSTEM AND  
LACK OF VARI-  
PASSING OF  
PERCS  
NEW  
TESTS  
SUGGESTED  
W/

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40,280

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Ex Bldg  
To Be  
Razed

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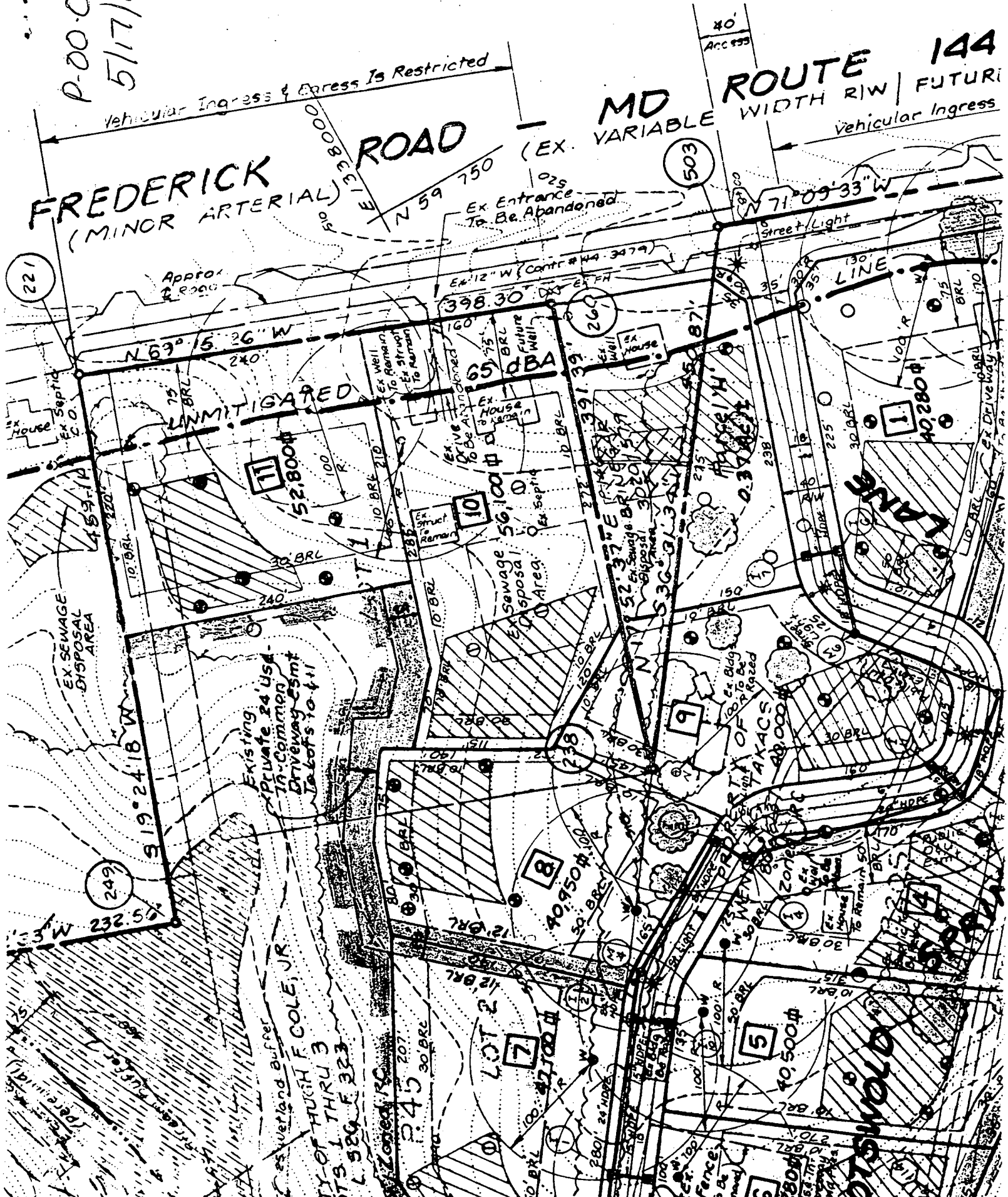
59

P-00-03  
5/17/00

Vehicular Ingress & Egress Is Restricted

FREDERICK ROAD  
(MINOR ARTERIAL)

MD ROUTE 144  
VARIABLE WIDTH RW | FUTURE  
Vehicular Ingress



Approx Road

Ex Entrance To Be Abandoned

UNMITIGATED

398.30

65 DBA

52,800

56,100

52,370

53,370

40,280

519° 24' 18\" W

Existing Private 24' Use-  
In-Common Driveway 25mt  
To Lots 10 & 11

As Wetland Buffer  
BY HUGH F. COLE, JR.  
LOTS 1 THRU 3  
L 520 F 323

LOT 2

LOT 7

LOT 5

LOT 6

LOT 11

LOT 10

LOT 9

LOT 8

LOT 7

LOT 6

LOT 5

LOT 4

LOT 3

LOT 2

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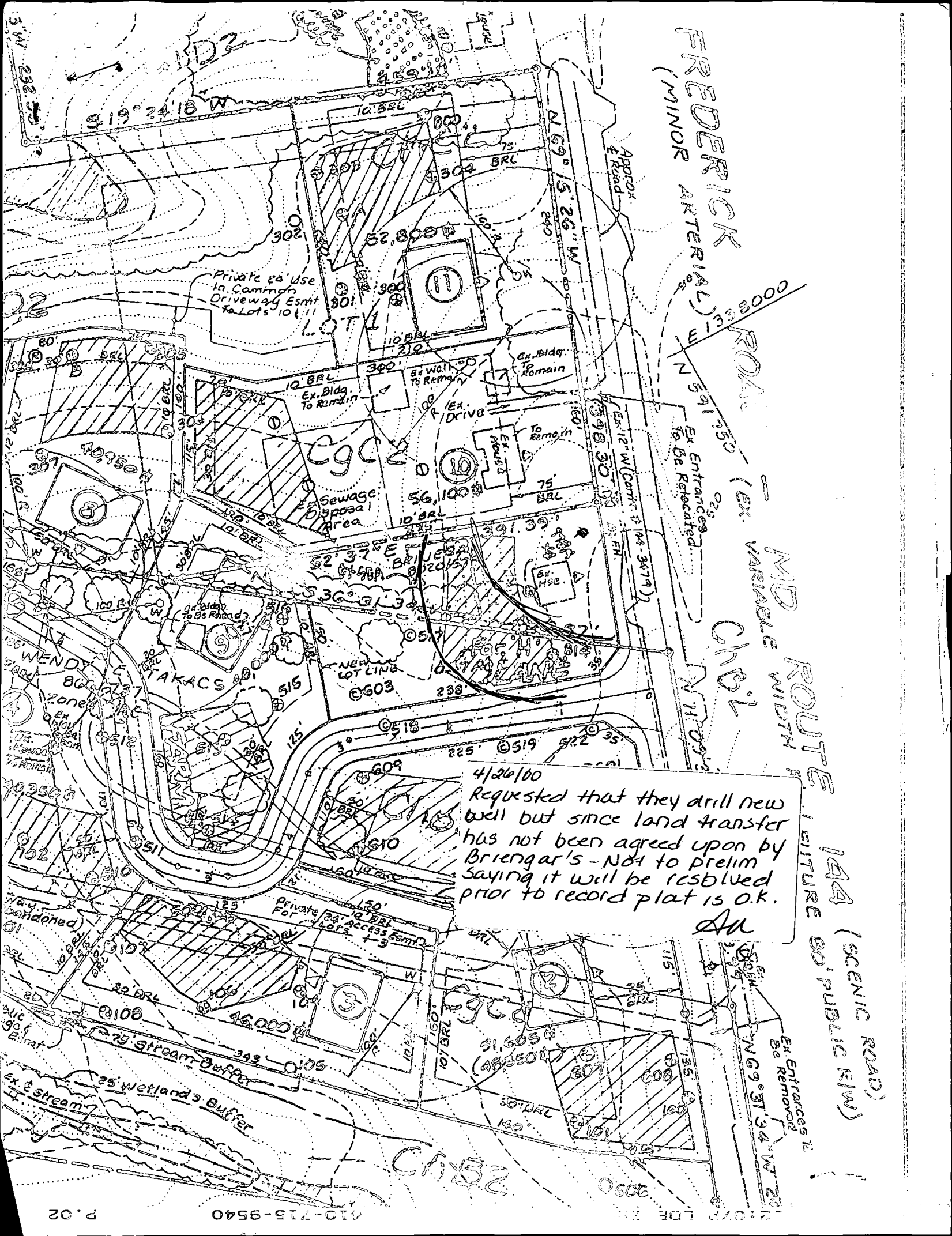
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FREDERICK  
(MINOR ARTERIAL) ROAD  
N 54° 15' 02\"/>

MD ROUTE 144 (SCENIC ROAD)  
VARIABLE WIDTH  
CH01  
N 11° 09' 35\"/>

4/26/00  
Requested that they drill new well but since land transfer has not been agreed upon by Briengar's - Not to prelim saying it will be resolved prior to record plat is O.K.

AM