

8/21/00  
Layout  
2-3 PM

8/22/00  
Septic final  
2 PM

INDEXED

**PERMIT**  
**SEWAGE DISPOSAL SYSTEM**  
HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
410-313-2640

P 514187

A 32227

ISSUE DATE 8/14/2000

APPROVAL DATE 10/10/00

06-449425

Fogle's Septic Clean, Inc.

IS PERMITTED TO INSTALL X ALTER

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

SUBDIVISION Woodmark Section 13 LOT NUMBER 6 ADDRESS 12495 Triadelphia Road

PROPERTY OWNER John Constance PROPERTY OWNER'S ADDRESS 5308 Nightshade Court

SEPTIC TANK CAPACITY 1250 GALLONS Columbia, MD 21045

PUMP CHAMBER CAPACITY 1250 GALLONS

\*\*\* TOP SEAMED COMPARTMENTED SEPTIC TANK REQUIRED\*\*\*

\*\*\* TOP SEAMED PUMP CHAMBER REQUIRED \*\*\*

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM 210

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES: Trenches to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. 2 feet of stone below distribution box.

LOCATION: From the right front lot corner, place the distribution box 200 feet down the right lot line and 75 feet off that lot line. Run four trenches of equal length, along contour, toward front left portion of lot.

Tank and pump pit to be set lower than site plan as necessary to minimize depth-of-installation. Pumped effluent line to run through the septic area approximately as shown on approved site plan. Intent being to preserve sufficient area for future 70' trenches.

keep trenches 7' edge to edge (10' center to center) if contour allows to conserve future septic repair area

PLANS APPROVED Craig Williams On SRK 8/13/00 DATE 7/6/2000

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

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

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

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

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

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

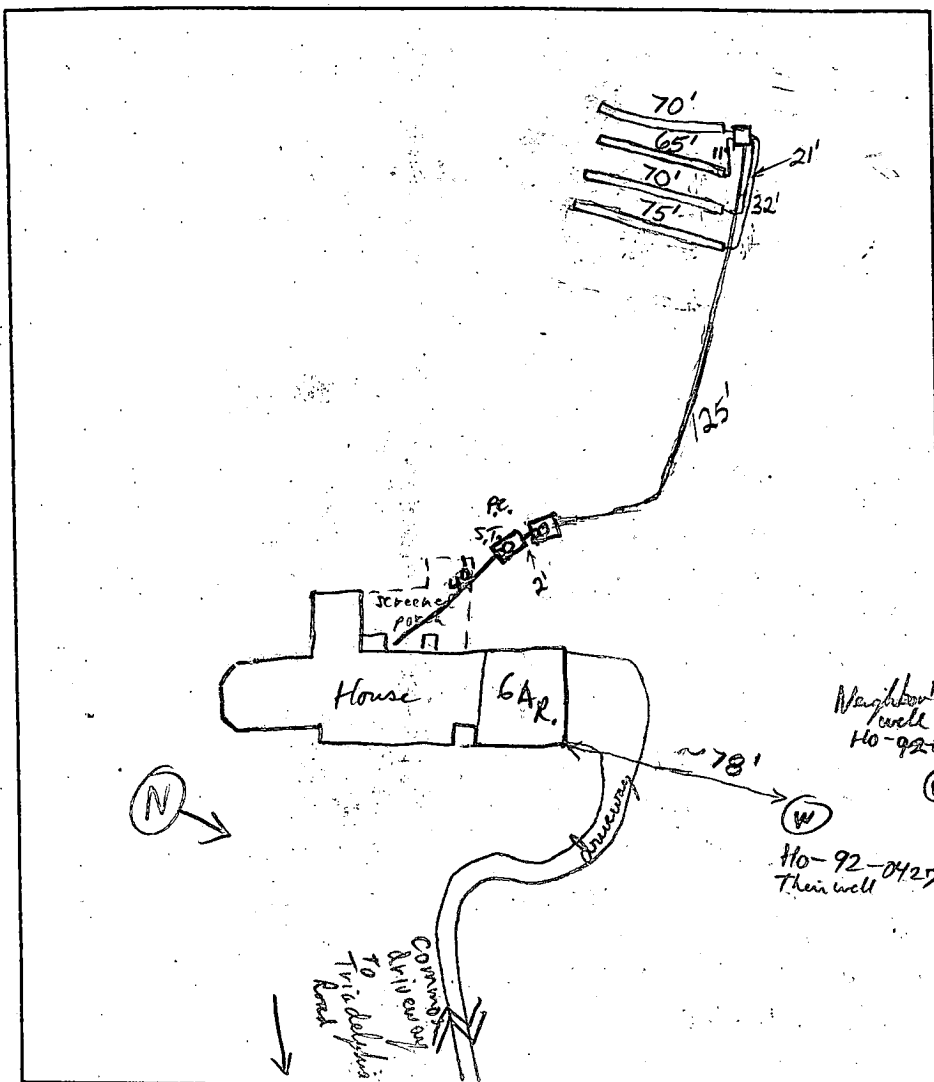
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC 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

A 32227

NOT TO SCALE



### TRENCH DATA

TRENCH WIDTH 3.0'  
 TRENCH INLET DEPTH 3.0'  
 TRENCH BOTTOM DEPTH 5.0  
 DEPTH OF STONE 2.0'  
 NUMBER OF TRENCHES 4  
 TOTAL TRENCH LENGTH 280'  
 ABSORBENT AREA 840'  
 DISTRIBUTION BOX LEVEL OK  
 BAFFLE IN DISTRIBUTION BOX Yes

### SEPTIC TANK DATA

SEPTIC TANK 1250 <sup>Top Seamed</sup> GALLONS  
 MANHOLE RISER Yes  
 6 INCH INSPECTION PORT Yes

### PUMP CHAMBER DATA

PUMP CHAMBER GALLONS 1250 gal <sup>Top Seamed</sup>  
 MANHOLE RISER Yes, 6" Cleanout  
 ALARM \_\_\_\_\_  
 PUMP PERFORMANCE TEST \_\_\_\_\_

PRE-CONSTRUCTION INSPECTION: site Not Staked  
will bring supply line up North side of SDA set distribution box on upper corner  
and run 4-70' lines on center toward South west property line. OK R/P 8/2/00

INSPECTION COMMENTS: Septic Tank + Pump Chamber Set, supply line set; Needs House Connection. R/P 8/5/00  
8/18/00 No house connection. System satisfactory. O.K. to cover. Final approval  
pending connection to house, pump and alarm performance. (BB)  
10/10/00 Pump test OK per NKS. A

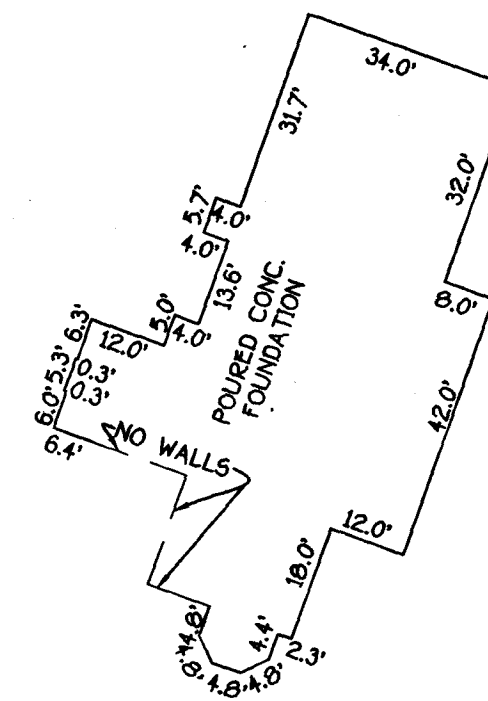
INSPECTOR A McMullen

DATE SYSTEM APPROVED 10/10/00

1) THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE COMPLETION OF THE SURVEY OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR PROPOSED IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE. NOTE: SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.

2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 240044 0021 B, EFFECTIVE DATE: DEC. 4, 1986.

3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (±).



DETAIL  
1"=30'

- EX. DRIVEWAY

30' PRIVATE ACCESS  
EASEMENT ACROSS  
LOTS Nos. 7, 8 AND 9  
FOR THE BENEFIT OF  
LOT Nos. 6, 7, 8 AND 9.

**[446.5] DENOTES ELEVATION OF 100 YEAR FLOOD PLAIN**

B.R.L.= BUILDING RESTRICTION LINE  
TOP OF FOUNDATION ELEV. 469.1'±

LOT 6  
WOODMARK  
SECTION 13, AREA 1  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
PLAT REF. 11085


### HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 5/12/00  
FINAL LOCATION: \_\_\_\_\_  
BOUNDARY SURVEY: \_\_\_\_\_

SCALE: 1"=50'  
DATE: 5/15/00  
DRAWN BY: T.P.F.  
CHECKED BY: C.C.  
PROJECT No: 61479

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PKWY.  
ELLICOTT CITY, MARYLAND 21042  
(410) 461 - 2955

A circular professional seal for Charles J. Crovo, a Professional Land Surveyor in the State of Maryland. The seal features the text "STATE OF MARYLAND" at the top, "CHARLES J. CROVO, R." around the perimeter, and "PROFESSIONAL LAND SURVEYOR" at the bottom. In the center is the coat of arms of the State of Maryland, with the number "No. 10769" and the word "PEERS (SWED)" below it.

  
 PROFESSIONAL LAND SURVEYOR  
 REG. #10703

5/12/00  
 DATE

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21042  
(410) 451 - 2855

LOT 3  
BRIAR HILL  
SECTION 1  
PLAT No. 3584

LOT 5  
WOODMARK  
SECTION 12, AREA 1  
PLAT No. 3825

**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. FEEZER CO. INC. Telephone #: 410-781-4651

Address: 6321 BARNETT AVE.  
GREENVIEW, MD. 21784

(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. FEEZER

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: JST BUILDINGS

Telephone #: 410-233-2000

Subdivision: WOODMOUNT

Lot #: 6 Well Tag #: HO-220427

Site Address: 12495 TRINITY RD.

GUNN HILL CT. W. 21042

**Submersible Pump Data**

Make: 5/2-2-10

Model #: 5P4C0241-04

Pump Capacity: 5 GPM

Well Yield: 3 GPM

Depth of well encountered at time of pump installation: 56 (feet)

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 YES

**Pitless Adapter**

Make: HARVEY

Model #: PT100

Depth: 42 (36" min)

NSF approved: YES

**Well Cap and Electric Conduit**

Two piece watertight cap: YES

Screened, vented well cap: YES

Cap secured to casing: YES

Conduit min 18" B.G.: YES

Conduit secured to well cap: YES

**Piping to house**

Type: POLYETHYLENE

PSI: 160 (160 psi min) 1/2" S.W.

Depth of supply line: 42 (36" min)

**House Connection**

PVC sleeved to undisturbed soil at wall penetration: YES

Approximate length of sleeve: 8'

Sleeve caulked and sealed properly: YES

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

date

9/7/2000

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

Date Insp. Requested: 9/8/00

Date Insp. Approved: 9/8/00

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

✓  
✓  
✓  
✓  
✓  
✓  
✓

BR

# TRIADDELPHIA ROAD

SEPTIC INSTALLATION

EXISTING PAVING

LOT 6 - WOODMARK 13  
12495 TRIADDELPHIA RD

Approved Septic System Plan  
Howard County Health Department  
B00122642 - SFD 4BN

*C. Will*  
Signature

4/10/00  
Date

VEHICULAR INGRESS AND  
EGRESS IS RESTRICTED  
R=465.00'

Total linear feet of trench  
required 280 feet

Width of trench (es) 3 feet

Depth of trench (es) 5 feet

Depth of stone required below  
distribution pipe 2 feet

4 TRENCHES  
@ 70' 0"

DISTRIBUTION  
BOX

PUMP TANK  
SEPTIC TANK

LOT 6  
3.518 AC.

EXISTING 100' YEAR  
FLOODPLAIN & DRAINAGE  
EASEMENT - PLAT No. 4097

75' STREAM BUFFER

25' WETLAND  
BUFFER

WETLAND  
AREA

EX. STREAM

EX. WELL

DIST. BOX  
FEED LINE  
TO BE  
INSTALLED  
WHERE SHOWN.

SEPTIC TANK  
AND  
PUMP PIT  
TO BE  
INSTALLED  
LOWER AS  
NEEDED  
TO MINIMIZE  
DEPTH OF  
INSTALLATION!

7/6/00  
CW

RECEIVED  
HOWARD COUNTY HEALTH DEPT  
APR 10 PM 3:00

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

DISTRICT \_\_\_\_\_

DATE

32227

P \_\_\_\_\_

10/6/82

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

John F. & Mary K. Brinker

ADDRESS

12275 CARROLL MILL RD.  
ELLICOTT CITY, MD.

PHONE

988-9513

PROPERTY LOCATION:

SUBDIVISION

WOODMARK

LOT NO.

Resubdivision of Lot 4

ROAD AND DESCRIPTION

TRADEMARK RD & CARROLL MILL RD.  
RESUBDIVISION OF LOT 4

SIZE OF LOT

Approx 5 1/2 AC

TYPE BLDG.

Homes (4)  
(NUMBER OF BEDROOMS)

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

REJECTED BY

FOR

DATE

HOLD PENDING FURTHER TESTS

DATE

REASONS FOR REJECTION OR HOLDING

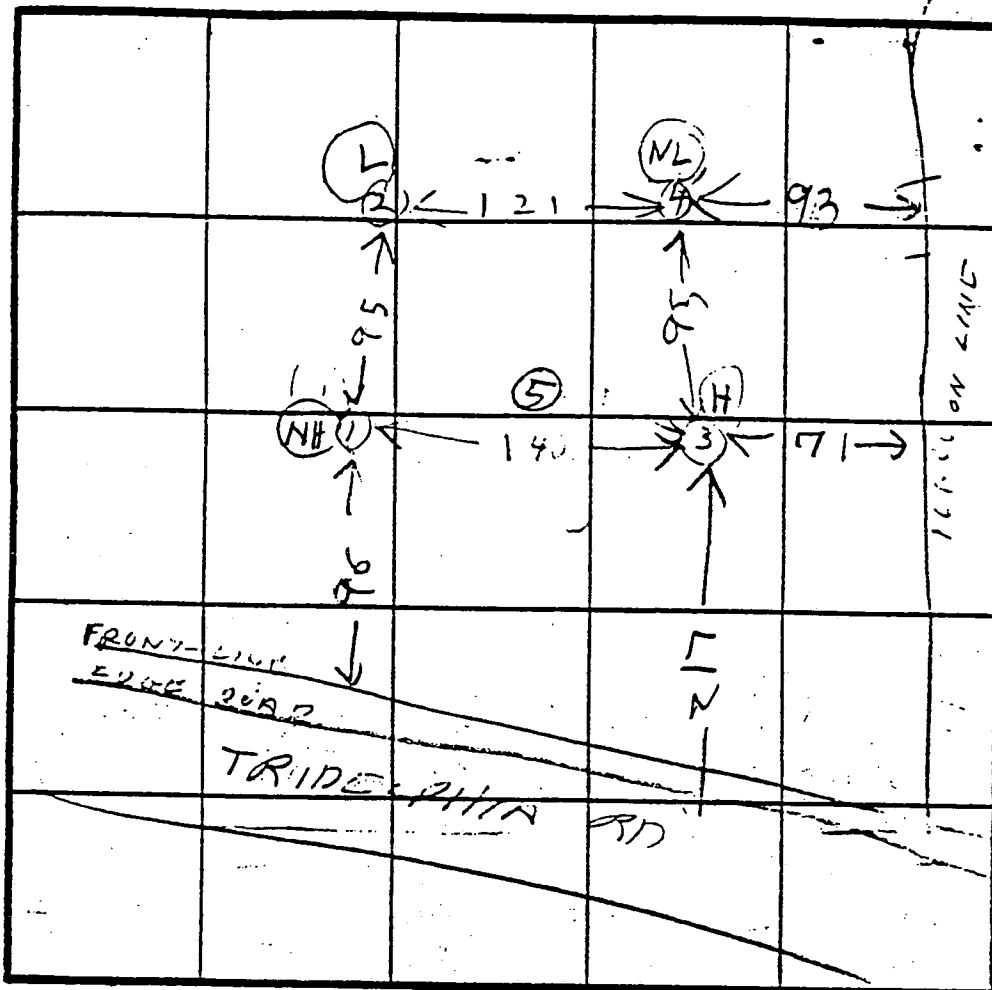
10/21/82 OK

THIS IS NOT A PERMIT

823.52

SOIL PROFILE

BROWN CLAY  
BROWN & TAN SAND



SEE PLAT FOR LOCATION OF HOLE

HOLE ELEVATION

- ③ = HIGHEST
- ① = NEXT HIGHEST
- ⑤ = HIGHEST
- ② = LOWEST
- ④ = NEXT LOWEST

BROWN CLAY  
PINK BROWN WHITE SAND

BROWN CLAY  
BROWN SAND

TAN SAND

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/14/82	1 S	3 1/2	1147	1148	1148	1152	4
	1 D	12	LOOKS	OK	SEC SOIL	PROFILE	
	2 S	3 1/2	1152	1200	1200	1205	
	2 D	13	LOOKS	OK	SEC SOIL	PROFILE	
	3 S	4	1206	1208	1208	1215	8
	3 D	13	LOOKS	OK	SEC SOIL	PROFILE	
	4 S	3 1/2	1215	1231	1231	1240	PERC
	4 D	13	LOOKS	OK	SEC SOIL	PROFILE	
10/14/82	4 M	4 1/2	126	129	129	137	8
10/14/82	5 V	12	LOOKS	OK	SEC SOIL	PROFILE	

BROWN CLAY  
WHITE & BROWN SAND

REMARKS 10/14/82 PERC OK EXISTING HOUSE SYSTEM  
OK BUT COULD NOT RUN WATER TEST  
10/21/82 WATER TEST RUN & IS OK RH

TYPE OF SOIL

EPHGA

EH-12-1079  
BROWN CLAY  
BROWN SAND



[illegible]





**FISHER, COLLINS  
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS  
and LAND SURVEYORS**

Terrell A. Fisher, P.E., L.S.  
Earl D. Collins, P.E.  
Ronald B. Carter, L.S.  
Charles J. Crovo, Sr., P.E., L.S.

March 10, 1993

Howard County Health Department  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, Maryland 21043-4544

**RE:** Woodmark  
Lot Nos. 6-12  
F 93-02

**ATTN:** Mr. Craig Williams

Dear Mr. Williams:

In regard to the above referenced project as you are well aware, the owners are in a process of drilling wells on Lot Nos. 6 and 7. So far after two or three attempts on each of the lots, an acceptable well was still not found.

It is imperative that under these conditions the Health Department will not sign on the final record plat unless acceptable wells are found on the two (2) lots.

Since the due date to submit the original record plat for signature is on March 16, 1993, and since the well driller is still out on the site testing without any success, we would appreciate you forwarding a letter to The Department of Planning and Zoning in which you will state your department's position on signing final plats while knowing the existing conditions on the site. This letter will assist us in getting an extension which will allow additional time for testing and resolving the problem.

Your assistance in this matter will truly be appreciated.

Very truly yours,  
FISHER, COLLINS & CARTER, INC.

*Zacharia Y. Fisch*  
Zacharia Y. Fisch

sak

**FISHER, COLLINS  
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS  
and LAND SURVEYORS**

Terrell A. Fisher, P.E., L.S.  
Earl D. Collins, P.E.  
Ronald B. Carter, L.S.  
Charles J. Crovo, Sr., P.E., L.S.

April 26, 1993

Ms. Elmina Hilsenrath, ASLA, Chief  
Division of Community Planning  
and Land Development  
George Howard Building  
3430 Court House Drive  
Ellicott City, Maryland 21043

**RE:** Woodmark  
Lot Nos. 6-12  
F 93-02  
(A resubdivision  
of Lot Nos. 4 and 5)

**ATTN:** Ms. Cindy Delzoppo

Dear Ms. Delzoppo:

On behalf of our client, we are transmitting herewith a request for an additional extension to the submission due date of April 30, 1993, which was assigned for this project in your March 18, 1993 letter for the following reasons:

- 1) The wells on Lot Nos. 6 and 7 can still not be approved by the Health Department since it is still not established, if they meet the turbidity standard and are free of sediment.
- 2) To determine if the concerns in Item No. 1 have been resolved will require further development of the well by the well driller.

When the well water will be cleaned up to its maximum extent a water sample will have to be analyzed for sediment, iron and turbidity.

As per Mr. Craig Williams at the Health Department this process can take as much as thirty (30) days.

Until all this is completed the wells can not be approved by the Health Department and they will not sign on the plats.

Therefore, we would appreciate your Department to grant an additional forty-five (45) days extension to allow us complete the outlined requirements in this letter.

Should you have any questions, please let me know.

Very truly yours,  
FISHER, COLLINS & CARTER, INC.

*Zacharia Y. Fisch*  
Zacharia Y. Fisch

cc: Craig Williams  
sak

<b>C1</b> <b>7668</b> (THIS NUMBER IS TO BE PUNCHED IN COLUMNS ON ALL CARDS)	SEQUENCE NO. (DENV USE ONLY)	<b>STATE OF MARYLAND</b> <b>WELL COMPLETION REPORT</b> FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
ST/CO-USE ONLY DATE Received		COUNTY NUMBER	PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE WELL COMPLETED <b>032493</b>	Depth of Well 22 <b>300</b> 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" <b>H0-92-0307</b>
--------------------------------------	--	--

OWNER last name <b>Reinker</b> first name <b>John</b>	TOWN <b>West Friendship</b>
STREET OR RFD <b>Triadelphia Rd</b>	SECTION <b>13</b> LOT <b>6</b>
SUBDIVISION <b>WOODMARK</b>	

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 FROM TO	Check if water bearing
#3 rolling ground flint + schist water	0' 226'	
flint + schist	226' 295'	
water		
flint + schist	295' 300'	
#1 well backfilled & sealed	0' 200'	
#2 well backfilled & sealed	0' 194'	

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box) <b>Y</b> <b>N</b>	
TYPE OF GROUTING MATERIAL CEMENT <b>CM</b> BENTONITE CLAY <b>BC</b>	
NO. OF BAGS <b>76</b>	NO. OF POUNDS <b>7144</b>
GALLONS OF WATER <b>456</b>	
DEPTH OF GROUT SEAL (to nearest foot) from <b>0</b> ft. to <b>228</b> ft. (enter 0 if from surface)	
CASING RECORD	
casing types insert appropriate code below <b>ST</b> <b>CO</b> STEEL CONCRETE <b>PL</b> <b>OT</b> PLASTIC OTHER	
MAIN CASING TYPE <b>ST</b>	Nominal diameter top (main) casing (nearest inch) <b>6</b>
	Total depth of main casing (nearest foot) <b>230</b>

OTHER CASING (if used)	
diameter inch	depth (feet) from to
SCREEN RECORD	
screen type or open hole insert appropriate code below <b>ST</b> <b>BR</b> <b>HO</b> STEEL BRASS OPEN HOLE <b>PL</b> <b>OT</b> PLASTIC OTHER	

C2	
DEPTH (nearest ft.)	
1 <b>110</b>	2 <b>230</b>
3 <b>300</b>	
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	74 75 76
72	
TELESCOPE CASING	LOG INDICATOR
OTHER DATA	

C3	
PUMPING TEST	
HOURS PUMPED (nearest hour)	<b>7</b>
PUMPING RATE (gal. per min. to nearest gal.)	<b>1.75</b>
METHOD USED TO MEASURE PUMPING RATE <b>bucket</b>	
WATER LEVEL (distance from land surface)	
BEFORE PUMPING	<b>35</b>
WHEN PUMPING	<b>108</b>
TYPE OF PUMP USED (for test)	
<b>A</b> air	<b>P</b> piston
<b>C</b> centrifugal	<b>R</b> rotary
<b>J</b> jet	<b>S</b> 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:	
CAPACITY: GALLONS PER MINUTE (to nearest gallon)	
PUMP HORSE POWER	
PUMP COLUMN LENGTH (nearest ft.)	
CASING HEIGHT (circle appropriate box and enter casing height)	
<b>+</b> above	
<b>-</b> below	
LAND SURFACE (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)	
<b>Triadelphia Rd</b>	
<b>50'</b>	
<b>80'</b>	

CIRCLE APPROPRIATE LETTER	
<b>A</b> A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	
<b>E</b> ELECTRIC LOG OBTAINED	
<b>P</b> 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.	
DRILLER'S IDENT. NO. <b>353</b>	
DRILLER'S SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	

COUNTY

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 92-0307  
 \*Location of property (road) Triadelphia Rd  
 Subdivision WOODMARK Lot 16 Block        Plat        Sec. 13  
 Well Driller Reichert Owner Brinker John

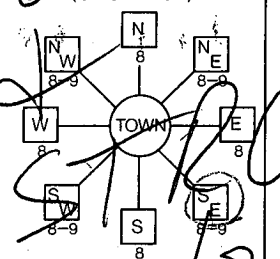
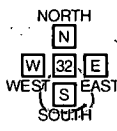
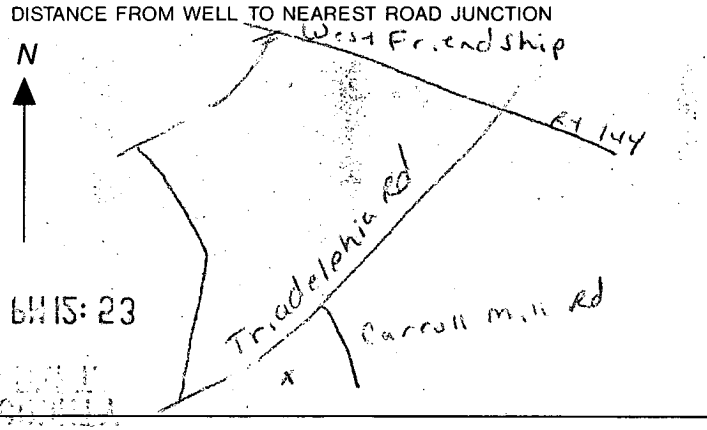
Depth of well 300'  
Distance of measuring point (M.P.) above ground 2'  
Static water level (S.W.L.) below M.P. 35

I. High rate pumping -- reservoir drawdown

Time pump started 10:00 Pumping rate 8 GPM  
Total time 45 min to reach pumping water level 108 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
10:45	108'	35 sec	—	1.71 GPM
11:15	107.5'	34 sec	—	1.75 GPM
11:45	107'	"		1.71 GPM
12:00	107.5'	"		"
12:15	108.5'	"		"
12:30	108.5'	"		"
12:45	108'	"		"
3/26/93 H <sub>2</sub> O HAS HIGH TURBIDITY w/ SEDIMENT NITRATE H <sub>2</sub> O - 2283 TAKEN @ 1:00 PM TURBIDITY SAMP NOT SENT (FRD) MR				
3/11/93 WELL BEING PUMPED TO CLEAR YELLOW/WHITE SILT FROM H <sub>2</sub> O NO MEASUREMENTS TAKEN MR				

<b>B 1</b> <span style="font-size: 2em; font-weight: bold;">7960</span> <small>1 2 3 4 5 6</small> (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (DP USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please print or type	STATE PERMIT NUMBER <span style="font-size: 1.5em; font-weight: bold;">H0-92-0307</span> <small>70 fill in this form completely 79</small>
<b>Date Received (APA)</b> <span style="font-size: 1.2em; font-weight: bold;">01-13-93</span>		<b>B 3</b> <span style="font-size: 1.2em; font-weight: bold;">LOCATION OF WELL</span> <small>1 2</small> <span style="font-size: 1.2em; font-weight: bold;">Howard</span> <small>8 COUNTY 21</small> <span style="font-size: 1.2em; font-weight: bold;">Woodmark</span> <small>23 SUBDIVISION 42</small> SECTION <span style="font-size: 1.2em; font-weight: bold;">13</span> ACRES <span style="font-size: 1.2em; font-weight: bold;">6</span> <small>44 46 48 50</small> <span style="font-size: 1.2em; font-weight: bold;">West Friendship</span> <small>52 NEAREST TOWN 71</small> MILES FROM TOWN (enter 0 if in town) <span style="font-size: 1.2em; font-weight: bold;">3</span> <span style="font-size: 1.2em; font-weight: bold;">MI</span> <small>73 76 77 78</small>	
<b>OWNER INFORMATION</b> <small>8 13</small> <span style="font-size: 1.2em; font-weight: bold;">Brinker John F</span> <small>15 Last Name 34</small> <span style="font-size: 1.2em; font-weight: bold;">12275 Carroll Mill Rd</span> <small>36 Street or RFD 55</small> <span style="font-size: 1.2em; font-weight: bold;">Ellicott City MD 21042</span> <small>57 Town 70 State 72 Zip 76</small>		<b>DRILLER INFORMATION</b> <span style="font-size: 1.2em; font-weight: bold;">Robert W. Reichart</span> <small>Driller's Name 7 License No. 80</small> <span style="font-size: 1.2em; font-weight: bold;">Wm. W. Reichart Inc</span> <small>Firm Name</small> <span style="font-size: 1.2em; font-weight: bold;">1772 Ballmore Pike Hanover PA 17331</span> <small>Address</small> <span style="font-size: 1.2em; font-weight: bold;">1/18/93</span> <small>Signature Date</small>	
<b>B 2</b> <span style="font-size: 1.2em; font-weight: bold;">WELL INFORMATION</span> <small>1 2</small> APPROX. PUMPING RATE (GAL. PER MIN.) <span style="font-size: 1.2em; font-weight: bold;">5</span> <small>8 12</small> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <span style="font-size: 1.2em; font-weight: bold;">500</span> <small>14 23</small>		<b>B 4</b> <span style="font-size: 1.2em; font-weight: bold;">DIRECTION OF WELL FROM TOWN (CIRCLE BOX)</span>  ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  DISTANCE FROM ROAD <span style="font-size: 1.2em; font-weight: bold;">40</span> <small>34 37</small> ENTER FT or MI <span style="font-size: 1.2em; font-weight: bold;">FT</span> <small>38 39</small>	
<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b> <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <span style="font-size: 1.2em; font-weight: bold;">MR Howard</span> COUNTY NAME <span style="font-size: 1.2em; font-weight: bold;">A32227</span> COUNTY NO. STATE SIGNATURE <span style="font-size: 1.2em; font-weight: bold;">Mark E. Tipton</span> INSERT S <span style="font-size: 1.2em; font-weight: bold;">8/12/93</span> <small>DATE ISSUED 41</small> NORTH GRID <span style="font-size: 1.2em; font-weight: bold;">526000</span> EAST GRID <span style="font-size: 1.2em; font-weight: bold;">0815000</span> <small>50 55 57 63</small>	
APPROXIMATE DEPTH OF WELL <span style="font-size: 1.2em; font-weight: bold;">250</span> FEET <small>24 28</small> APPROXIMATE DIAMETER OF WELL <span style="font-size: 1.2em; font-weight: bold;">6</span> INCH <small>NEAREST INCH</small>		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. Approved well 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE <div style="border: 1px solid black; padding: 5px; display: inline-block;">             E <span style="font-size: 1.2em; font-weight: bold;">8185</span>              N <span style="font-size: 1.2em; font-weight: bold;">5286</span> </div>	
<b>METHOD OF DRILLING (circle one)</b> BORED (or Augered) <input type="checkbox"/> JETTED <input type="checkbox"/> Jetted & DRIVEN <small>30</small> AIR-ROTARY <input type="checkbox"/> AIR-PERCussion <input checked="" type="checkbox"/> ROTARY (Hydraulic Rotary) <small>37</small> CABLE <input type="checkbox"/> REVERSE-ROTARY <input type="checkbox"/> DRIVE-POINT <input type="checkbox"/> other _____		231' CASING MR 48' OPEN 3/26/93 BAGS GROUT UNFINISHED 2' CASING A.G. LOC OK 35 BAGS @ 1 PM GROUT OBS'D & OK VTAG OK	
<b>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</b> <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <small>39</small> <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) <span style="font-size: 1.2em; font-weight: bold;">H0-92-0307</span> <small>41 52</small>		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 (OEP USE ONLY)			
APPROP. PERMIT NUMBER <span style="font-size: 1.2em; font-weight: bold;">GAP</span> <span style="font-size: 1.2em; font-weight: bold;">23</span> <span style="font-size: 1.2em; font-weight: bold;">7713</span> <span style="font-size: 1.2em; font-weight: bold;">6415:23</span> <small>54 63</small>			
FORCE <span style="font-size: 1.2em; font-weight: bold;">MR</span> WRITE INITIALS IN BOX PERMIT No. <span style="font-size: 1.2em; font-weight: bold;">H0-92-0307</span> <small>67 68 70 71 72 73 74 75 76 77 78 79</small>			
SPECIAL CONDITIONS			

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)

L. lot line

20'

Well

Approx 200'



FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO-92-0427  
Location of property (road) TRIANGLE RD  
Subdivision WOODMAN SECT 13 Lot 6 Block      Plat      Sec.       
Well Driller EASTORAY Owner BRINKER

Depth of well 560 59pm  
Distance of measuring point (M.P.) above ground 24"  
Static water level (S.W.L.) below M.P. 34.6

1. High rate pumping -- reservoir drawdown

Time pump started 8:45 Pumping rate       
Total time 1 Hr to reach pumping water level 368 ft. below M.P.

11. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:45	368	15 Sec	Pump Set / 390'	4
10:00	368	15 Sec		4
10:15	369	18 Sec	JCU	3.3
10:30	369	18 Sec		3.3
10:45	369	18 Sec		3.3
11:00	369	18 Sec		3.3
11:15	369	18 Sec		3.3
11:30	369	18 Sec		3.3
11:45	369	18 Sec		3.3
12:00	369	18 Sec		3.3
12:15	369	18 Sec		3.3
12:30	369	18 Sec		3.3
12:45	369	18 Sec		3.3
1:00	369	18 Sec		3.3
1:15	369	18 Sec		3.3
1:30	369	18 Sec		3.3
1:45	369	18 Sec		3.3
2:00	369	18 Sec		3.3
2:15	369	18 Sec		3.3
2:30	369	18 Sec		3.3
2:45	369	18 Sec		3.3
3:00	369	18 Sec		3.3
3:15	369	18 Sec		3.3
3:30	369	18 Sec		3.3
3:45	369	18 Sec		3.3

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 92-0427  
 Location of property (road) TRIADENYIA RD  
 Subdivision WOODMAN SECT 13 Lot 6 Block      Plat      Sec.       
 Well Driller EASTEN DAY Owner BAINKER

Depth of well 560'  
Distance of measuring point (M.P.) above ground 2'  
Static water level (S.W.L.) below M.P. 34.6

1. High rate pumping -- reservoir drawdown

Time pump started 8:45 Pumping rate 10 GPM  $\Rightarrow$  5 GPM  
Total time 2 1/2 hrs to reach pumping water level 368 ft. below M.P.

11. Recovery pump test data - observations to be recorded every 15 minutes

[illegible]

Only Turbidity & Fe - HO-2328

SEND REPORT TO:

Ho. Co. Health Dept.  
525-H Ellicott Mills Dr  
Ellicott City, MD 21043

STATE OF MARYLAND  
DEPARTMENT OF HEALTH AND MENTAL HYGIENE  
Laboratories Administration  
201 W. Preston St.  
P.O. Box 2355, Baltimore, Maryland 21203  
J. Mehsen Joseph, Ph.D., Director  
MULTI-ELEMENT LABORATORY  
Metals Analysis Report Form

Lab No. Date Received

14 9-10-93

Do not write above this line.

Bottle Number: HO-2328 Name: Brinker, John County: Howard  
Source of Sample: Lot 6, Woodmark, Sec 13, Tr. Rd Collector: M. Rifkin 313-2640  
Street Town/City (Include Telephone Number)

Sample TYPES (Circle): Drinking Water Community Source (Raw Water) Data Category 4F  
Landfill Non-Community Distribution (Treated) Code  
Stream Private MCL (See Reverse)  
Other Other Sediment

Remarks: HO-92-0427 (1 of 2)

County 13 Plant No. --- Sampling Station --- Date Collected 090793 Date & Time are Required for Valid Samples 1230 Time  
Submitter Code (If different than County Code) --- Specify Program: 2 ml HNO<sub>3</sub> Field Preserved Yes ☒ No ☐  
(See Reverse) Preservative Used:

SDWA: X NPDES: OTHER:

✓	CODE	Element	RESULTS *	✓	CODE	Element	RESULTS *
	01097	Antimony			01105	Aluminum	
	01002	Arsenic			00916	Calcium	
	01007	Barium		✓	01045	Iron 9-14-93 P13	1.46
	01012	Beryllium			00927	Magnesium	
	01027	Cadmium			01055	Manganese	
	01034	Chromium			00937	Potassium	
	01042	Copper			00929	Sodium	
	01051	Lead			01092	Zinc	
	71900	Mercury					
	01067	Nickel					
	01147	Selenium					
	01077	Silver					
	01059	Thallium					

\* Results reported in milligrams per liter (ppm)

Analyst \_\_\_\_\_ Section Chief D.S. Date Reported 9-21-93



PROPERTY OF  
JAMES J. LAWSON, SR.  
LIBER No. 1423, FOLIO

*Original  
lat lines  
Revised  
lat lines*

BRIAR HILL  
SECTION 11  
PLAT No. 3584

*with SITE OK  
since  
w/o  
C982  
8/18/93  
(CW)*

LOT 3  
BRIAR HILL  
SECTION 11  
PLAT No. 3584

LOT 5  
WOODMARK  
SECTION 12, AREA 1  
PLAT No. 3825

LOT 4  
WOODMARK  
PLAT No. 4652

LOT 6  
3.168 AC.

EXISTING 100 YEAR  
FLOODPLAIN & DRAINAGE  
EASEMENT - PLAT No. 4097

COMMON LOT 7  
DRIVEWAY

PRIVATE AGREES  
EASEMENT ACROSS LOT  
Nos. 7, 8 AND 9  
FOR THE BENEFIT OF  
LOT Nos. 7, 8 AND 9 25' WETLAND  
BUFFER

LOT 4  
WOODMARK  
PLAT No. 4652

LOT  
WOOD  
SECTION 11  
PLAT No.

3/4" OPEN END  
IRON PIPE  
FOUND

*Revised  
7/16/93*

500

482

607.39'

R=462.00'  
L=196.46'

N80°41'04"E L=170.71'

MID2

10

MID2

Q=82

823.32'

576°20'30"W

120

426.6

432.0

422.0

467.8

3/3/93

2nd well site  
UNSUCCESSFUL  
- NO ROCK ENCOUNTERED  
- NO MUD HOLD  
OK TO GO TO THIRD SITE ON 3/2/93  
AS INSPECTED BY MARK

10' LIMITS ALSO EST'D  
FOR FUTURE

VEHICULAR  
2nd site drilling began INGRESS  
w/ permission

owner  
NO PRIOR APPROVAL FROM HD.  
SITE ACCEPTED 3/2/93

54' line  
59' cot

BRIAR HILL  
SECTION 1  
PLAT No. 3584

Actual  
Well  
Site MR  
3/26/93

PROPERTY OF  
JAMES J. LAWSON, SR. MR  
LIBER No. 1423 FOLIO 482

Well  
Site OK  
2/12/93

Dry Mud  
MgC2

LOT 4  
WOODMARK  
PLAT No. 4652

LOT 6  
3.168 AC.±  
MgC2

EXISTING 100 YEAR  
FLOODPLAIN & DRAINAGE  
EASEMENT - PLAT No. 4097

16' USE-IN-COMMON  
DRIVEWAY

LOT 7  
1.781 AC.±  
MgC2

20' PRIVATE ACCESS  
EASEMENT ACROSS LOT  
Nos. 7, 8 AND 9  
FOR THE BENEFIT OF  
LOT Nos. 6, 7, 8 AND 9 25' WETLAND  
BUFFER

LOT 3  
BRIAR HILL  
SECTION 1  
PLAT No. 3584

LOT 5  
WOODMARK  
SECTION 12, AREA 1  
PLAT No. 3825

FISHER, COLLINS & CARTER, INC.

CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

9171 BALTIMORE NATIONAL PIKE, SUITE 100

ELLCOTT CITY, MARYLAND 21042

## WELL ABANDONMENT REPORT

Date: 9/8/72

PERMIT NUMBER OF ABANDONED WELL (if any)

140 - 92 - 0307

DRILLER'S NAME

Weishaar  
LASTJoseph  
FIRST

OWNER'S NAME

Brinker  
LASTJohn  
FIRSTTAG NOT LOCATED

WELL LOCATION:

COUNTY: HowardSUBDIVISION: WoodmarkSECTION: 13 LOT: 6NEAREST TOWN: West FriendshipADDRESS: TRIADELPHIA Rd

MARYLAND GRID LOCATION:

E	810
N	520

0/5	X 5/5
0/0	5/0

SHOW WELL LOCATION BY (X)  
WITHIN BOX

TYPE OF WELL

- ☒ DRILLED  
☐ JETTED  
☐ BORED OR AUGERED  
☐ OTHER, SPECIFY

DEPTH OF WELL 207 FT.

TYPE OF CASING

- ☒ STEEL  
☐ PLASTIC  
☐ CONCRETE  
☐ OTHER, SPECIFY

SIZE OF CASING 6 IN.WAS ANY CASING REMOVED ☐ YES ☒ NO

IF YES, AMOUNT REMOVED \_\_\_\_\_ FT.

WAS CASING RIPPED OR PERFORATED ☐ YES ☐ NO

## LOG OF SEALING MATERIAL

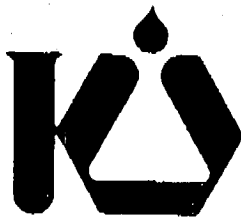
MATERIAL	FEET	
	FROM	TO
Bentonite	207	0

DRILLER

Joseph C Weishaar  
SIGNATURELICENSE# MWD #482

cc 9/10/93 haul carinal



**KAPPE ASSOCIATES, INC.**  
**SCIENTIFIC RESEARCH DIVISION**

100 WORMANS MILL COURT • FREDERICK, MD 21701 • (301) 846-0210 • FAX 301-846-0808

September 9, 1993

L.F. Easterday  
9265 Brown Church Road  
Mt. Airy, MD 21771

**Subject: Report of Analysis****Gentlemen:**

The results of the analyses performed on the two (2) water samples received from you on September 8, 1993 are given below.

<u>Parameter</u>	<u>Turbidity (NTU's)</u>	<u>Total Suspended Solids (mg/L)</u>
HO-92-0427	1.0	3
HO-92-0428	5.0	4

Thank you for this opportunity to serve you. Should you have any questions concerning this report, please do not hesitate to give us a call.

Very truly yours,

KAPPE ASSOCIATES, INC.  
Scientific Research Division

Julia M. Patel  
Laboratory Manager