

C1 0225 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. OK SLK

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER 13 5/15/01

ST/CO USE ONLY DATE Received MM DD YY 8 13

DATE WELL COMPLETED MM DD YY 02 19 01 Depth of Well 22 300 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2912 28 29 30 31 32 33 34 35 36 37

OWNER Dale Thompson Bldrs last name first name STREET OR RFD Meandering Stream Way TOWN Fulton SUBDIVISION Pindell Woods SECTION LOT 29

WELL LOG Not required for driven wells

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

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Top Soil, Sandy, Sand Stone, Micka, Sand Stone, Micka.

GROUTING RECORD yes no

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (CM) (BC) NO. OF BAGS 17 NO. OF POUNDS 200 GALLONS OF WATER 102 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 30 ft.

CASING RECORD casing types insert appropriate code below (ST) (CO) (PL) (OT)

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 inch depth (feet) from to

SCREEN RECORD screen type or open hole (ST) (BR) (HO) (PL) (OT)

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER 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. 1 M D 119 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 M D

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

DEPTH (nearest ft.) 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

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

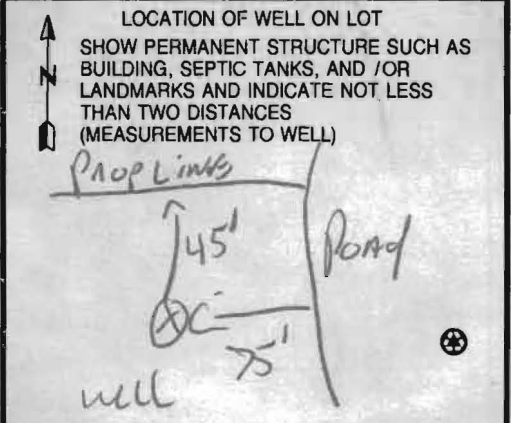
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 2.5 METHOD USED TO MEASURE PUMPING RATE bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 55 ft. WHEN PUMPING 160 ft. TYPE OF PUMP USED (for test) (A) air (P) piston (T) turbine (C) centrifugal (R) rotary (O) other (describe below) (J) jet (S) submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP 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 (49) (8) (-) below (2) (nearest foot)



B 1 18633

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-2912

W514687 please print or type

fill in this form completely

Date Received (APA)

12/13/00

OWNER INFORMATION

Thompson Dale Builders, 630 Woodside Court, Columbia MD

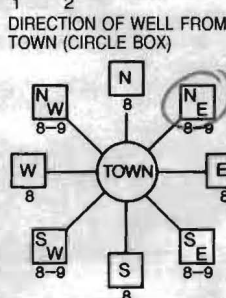
B 3 LOCATION OF WELL

Howard County, Pindellwoods, SECTION 44, LOT 29, Fulton, 3 MILES FROM TOWN

DRILLER INFORMATION

Ralph Mayne, Ralph Mayne Well Drilling, 17024 Hardy Rd. MT. Airy, MD

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



meandering stream, NEAR WHAT ROAD, ON WHICH SIDE OF ROAD, DISTANCE FROM ROAD, TAX MAP

WELL INFORMATION, APPROX. PUMPING RATE 5 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 500 GAL. PER DAY

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, STATE SIGNATURE, DATE ISSUED 01/08/01, CO SIGNATURE, EAST GRID 0488 000

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

METHOD OF DRILLING (circle one)

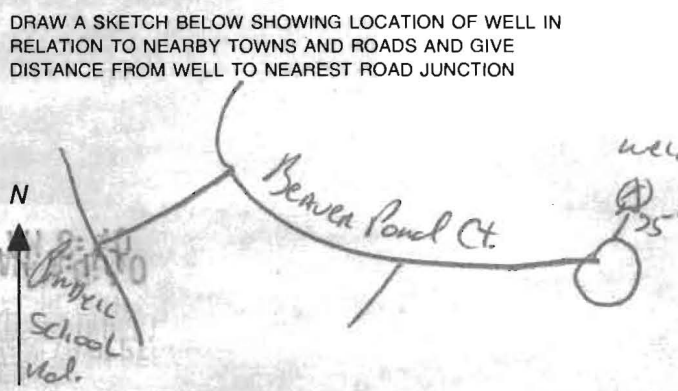
- BORED (or Augered), JETTED, Jetted & DRIVEN, AIR-ROTary, AIR-Percussion, ROTARY (Hydraulic Rotary), CABLE, REVerse-ROTary, DRive-POINT

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 DEEPEAN AN EXISTING WELL

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

WRITE THE BOX NUMBER FROM THE MAP HERE, E 448, N



Not to be filled in by driller (MDE OR COUNTY USE ONLY), APPROP. PERMIT NUMBER, PERMIT No. HO-94-2912

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

S/15/01

**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 94-2912  
 Location of property (road) Meandering Stream Way  
 Subdivision Pindell Woods Lot 29 Block      Plat      Sec.       
 Well Driller Ralph Mayne Owner Dale Thompson Bldrs

Depth of well 300 ft  
 Distance of measuring point (M.P.) above ground 2ft  
 Static water level (S.W.L.) below M.P. 55

**I. High rate pumping -- reservoir drawdown**

Time pump started 8:30 Pumping rate 10 GPM  
 Total time 30 min to reach pumping water level 160 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 <u>3</u> gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:00	160 ft	25 Sec		2.5 GPM
9:15	160 ft	25 Sec		2.5 GPM
9:30	160 ft	25 Sec		2.5 GPM
9:45	160 "	25 "		2.5 "
10:00	160 "	25 "		2.5 "
10:15	160 "	25 "		2.5 "
10:30	160 ft	25 Sec		2.5 GPM
10:45	160 ft	25 Sec		2.5 GPM
11:00	160 ft	25 Sec		2.5 GPM
11:15	160 "	25 "		2.5 "
11:30	160 "	25 "		2.5 "
11:45	160 "	25 "		2.5 "
12:00	160 ft	25 Sec		2.5 GPM
12:15	160 ft	25 Sec		2.5 GPM
12:30	160 ft	25 Sec		2.5 GPM
12:45	160 "	25 "		2.5 "
1:00	160 "	25 "		2.5 "
1:15	160 "	25 "		2.5 "
1:30	160 ft	25 Sec		2.5 GPM
1:45	160 ft	25 Sec		2.5 GPM
2:00	160 ft	25 Sec		2.5 GPM
2:15	160 "	25 "		2.5 "
2:30	160 "	25 "		2.5 "
2:45	160 ft	25 Sec		2.5 GPM
3:00	160 ft	25 Sec		2.5 GPM

**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: WILLOUGHBY PLUMB Telephone #: 410-781-7051  
Address: 1203 PATRICK DR  
SURESVILLE, 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): MRS. WILLOUGHBY License# 6992

\*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: Dale Thompson Elder Telephone #: 410-945-6132  
Subdivision: PINELL WOODS Lot #: 29 Well Tag #: HO-94-2912  
Site Address: 1021 MEADOWSIDE STREAM WAY  
HULTON, MD 20759

**Submersible Pump Data**      **Pitless Adapter**      **Well Cap and Electric Conduit**  
Make: TACUZZI      Make: HARVARD      Two piece watertight cap:   
Model #: 6      Model #:      Screened, vented well cap:   
Pump Capacity: 6 GPM      Depth: 48" (36" min)      Cap secured to casing:   
Well Yield: 2.5 GPM      NSF approved:      Conduit min 1 1/2" B.C.:   
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: CRESTLINE      PVC sleeved to undisturbed soil at wall penetration:   
PSI: 1/2" (160 psi min)      Approximate length of sleeve: 6'  
Depth of supply line: 36" min      Sleeve caulked and sealed properly:

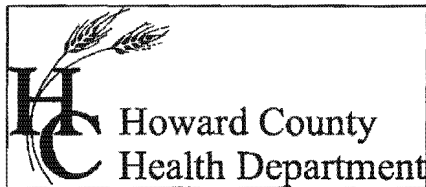
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Chris Willoughby      date: 5-24-06

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

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 5/24/06  
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

KW 10/10/06  
OK  
10/10/06  
KW



Bureau of Environmental Health  
7178 Columbia Gateway Drive Columbia, Maryland 21046-2132  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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

October 16, 2006

Dale Thompson Builders  
6300 Woodside Court  
Columbia, MD 21046

**SENT VIA FACSIMILE 410-381-8747**

RE: Pindell Woods, Lot 29  
7021 Meandering Stream Way  
Fulton, MD 20759  
BP #: B00157203  
Well Permit # HO-94-2912

Dear Sir:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 06/07/2006. Final approval of the well line connection to the dwelling was approved on 10/10/2006.**

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

#### **INTERIM CERTIFICATE OF POTABILITY**

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-94-2912. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

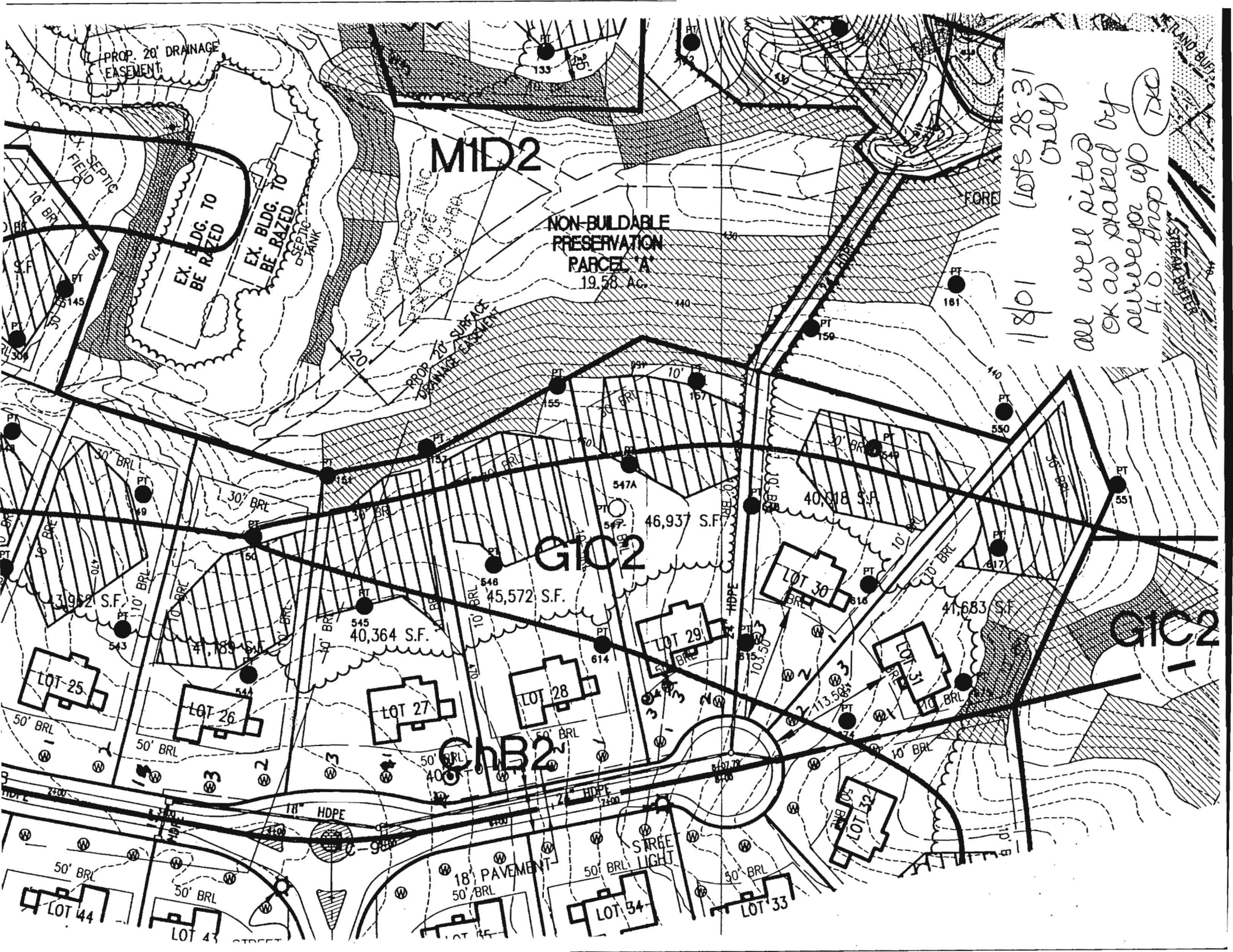
This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Samples: 10/06/2006  
Date of Well Completion: 02/17/2001

Approving Authority,

*Brian Baker*  
Brian Baker, R. S.  
Well & Septic Program

cc: Building Inspector's Office  
Community Health Services  
File



MID2

NON-BUILDABLE  
PRESERVATION  
PARCEL 'A'  
19.58 AC.

G102

G1B2

G1C2

11801 (lots 28-31  
only)

all well sited by  
OK as stated by  
surveyor w/0  
H.O. Prop w/0 TxD

# CERTIFICATE OF ANALYSIS



**Requester:**  
Dale Thompson Builders  
6300 Woodside Court  
Columbia, Maryland 21046

**S/O Number:** 59987  
**Report Date:** October 7, 2006

**Property Sampled:** 7021 Meandering Stream Way

**County:** Howard  
**Subdivision:** Pindell Woods  
**Lot #:** 29  
**Building Permit #:** B00157208  
**Tax Map #:** 41  
**Parcel #:** 274

**Date/Time Collected:** October 6, 2006 at 12:00 pm  
**Date/Time Received:** October 6, 2006 at 1:30 pm

**Sample Location:** Laundry Tub Tap & Pressure Tank Tap  
**Sampler ID:** 6551DB  
**Samples Iced:** Yes  
**Residual Cl<sub>2</sub> <0.1 mg/L:** Yes

**Well Tag Number:** HO-94-2912  
**Well Condition:** 2-Piece Cap  
Satisfactory

**Water Conditioning/Treatment:** Sediment Filter

PARAMETER	RESULT	METHOD	MCL/*SMCL	
Nitrate	<1.0 mg/L as N	SM 4500D	10 mg/L as N	Pass
Turbidity(Raw)	3.0 NTU	EPA 180.1	10 NTU	Pass
Turbidity(Treated)	1.8 NTU	EPA 180.1	10 NTU	Pass
pH	6.4 Units	EPA 150.1	*6.5-8.5 Units	***
Sand	Negative		Negative	
Total Coliform	Absent	SM 9223B	Absent	Pass
E.coli	Absent	SM 9223B	Absent	Pass

Heather R. Beam  
Manager-Drinking Water Testing

MCL=Maximum Contamination Level

\*SMCL=Secondary Maximum Contamination Level

\*\*\* A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.

TRACE LABORATORIES  
5 North Park Drive  
Hunt Valley, MD 21030  
Telephone: 410/252-7742  
Telephone: 410/584-9099  
Fax: 410/584-9117  
Email:  
tracelab@connex.net  
www.tracelabs.com

Maryland State Certified  
Water Quality Laboratory  
No. 318