

C1 - 3795

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A52 3729

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 9/18/06 DEPTH OF WELL 400'

PERMIT NO. FROM 'PERMIT TO DRILL WELL' Ho-95-0488

OWNER DAWD, TIM STREET OR RFD 15523 CARES MILL RTOWN COOKSVILLE

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Brown ml. cos., Grey mica, Bluish Grey mica w/ Quartz, Grey mica.

GROUTING RECORD form with fields for GROUTING MATERIAL (CM), BENTONITE CLAY (BC), NO. OF BAGS (44), NO. OF POUNDS (1900), GALLONS OF WATER (264), DEPTH OF GROUT SEAL (62 ft.).

CASING RECORD form with fields for MAIN CASING TYPE (ST), Nominal diameter (6), Total depth (100').

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

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

PUMPING TEST form with fields for HOURS PUMPED (3), PUMPING RATE (8.5), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (19 ft. before, 176 ft. when pumping), TYPE OF PUMP USED (S - submersible).

WELL HYDROFRACTURED form with fields for UNSUCCESSFUL WELLS (0) and HYDROFRACTURED status (N).

DEPTH (nearest ft.) table with columns for casing height and slot size.

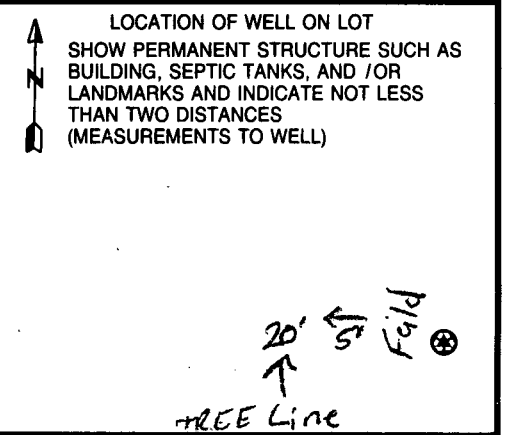
PUMP INSTALLED form with fields for DRILLER INSTALLED PUMP (YES), TYPE OF PUMP INSTALLED (S), CAPACITY (GALLONS PER MINUTE), PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (2 ft. below land surface).

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. 1 MWD 040, DRILLERS SIGNATURE, LIC. NO. 1 AWD 788

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

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



B 1 2478

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER HD-95-0488

OWNER INFORMATION 10304 DOWD TIM 15535 CARRS MILL RD WOODBINE, MD. 21797

LOCATION OF WELL Howard COOKVILLE 1523 Carrs Mill Rd

DRILLER INFORMATION George F. Easterday L. Franklin Easterday, Inc. 9265 Brown Church Rd., MT. Airy, Md. 21771

WELL INFORMATION 5 500 14 20 USE FOR WATER DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD 13 A523729

WELL INFORMATION 5 500 14 20

USE FOR WATER DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

APPROXIMATE DEPTH OF WELL 300 FEET

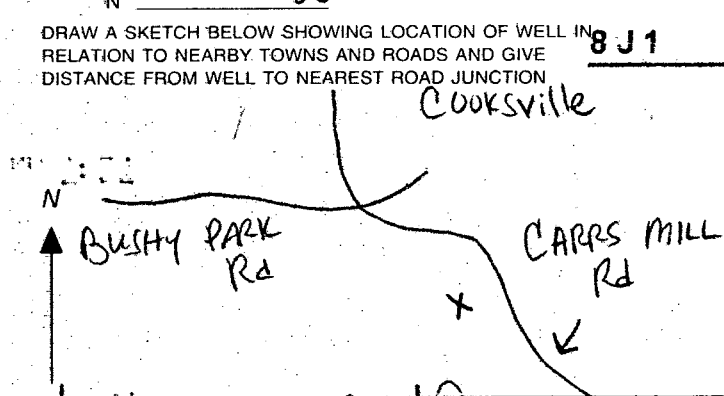
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER wells

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one) AIR-ROTary

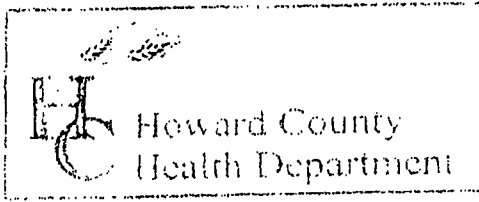
REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX) THIS WELL WILL NOT REPLACE AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY) PERMIT No. HD-95-0488



SPECIAL CONDITIONS Ensure Well site is > 30' from Building Site and County Well Area





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

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

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

- The well site has been staked by OWNER,  
 (professional land surveyor or company employing professional land surveyors)  
 on 6/30/06 (date) and does not require a site inspection.
- The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 6/10/03

TIM DOWD  
 15523 CARRS MILL ROAD  
 301-370-4263

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

Permit #  
07004504

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: Michael Runk Plumbing Telephone #: 410-731-6791  
Address: P.O. Box 1453  
5-yeasville, 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): Michael Runk License# 9698

\*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: \_\_\_\_\_ Telephone #: \_\_\_\_\_  
Subdivision: \_\_\_\_\_ Lot #: \_\_\_\_\_ Well Tag #: HO - \_\_\_\_\_  
Site Address: \_\_\_\_\_

Submersible Pump Data

Make: Meyers  
Model #: 25T92-2-3/4 2w 3hp 250  
Pump Capacity 8.0 GPM  
Well Yield: 8.5 GPM

Pitless Adapter

Make: Harwood  
Model #: DT-920  
Depth: 42" (36" min)  
NSF approved: \_\_\_\_\_

Well Cap and Electric Conduit

Two piece watertight cap:   
Screened, vented well cap: \_\_\_\_\_  
Cap secured to casing:   
Conduit min 18" B.G.:   
Conduit secured to well cap:

Depth of well encountered at time of pump installation: 415 (feet)  
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

~~Torque arrestors~~ Cable guards are required - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt

Piping to house

Type: Black Poly  
PSI: 160 (160 psi min)  
Depth of supply line: 42" (36" min)

House Connection

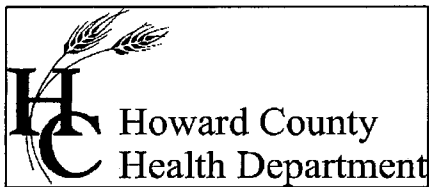
PVC sleeved to undisturbed soil at wall penetration:   
Approximate length of sleeve: 10'  
Sleeve caulked and sealed properly:

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: [Signature] date 6/27/08

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

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 6/10/08 (KW)  
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



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

Peter L. Beilenson, M.D., M.P.H., Health Officer

October 10, 2008

Mr. Robert Dowd  
15545 Carrs Mill Road  
Woodbine, MD 21797

SENT VIA FACSIMILE 410-442-5930

RE: Dowd Property  
15545 Carrs Mill Road  
Woodbine, MD 21797  
BP#: B07004504  
Well Tag #: HO-95-0488

Dear Dowd:

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 06/10/2008. Final approval of the well line connection to the dwelling was approved on 06/10/2008.**

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-95-0488. 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: 10/02/2008 & 10/09/2008  
Date of Well Completion: 09/18/2006

Approving Authority,


Stuart Oster, R. S.

Well & Septic Program

cc: Building Inspector's Office  
Community Health Services  
File

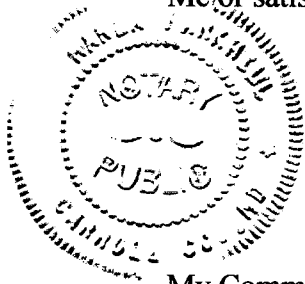
November 28<sup>th</sup>, 2005

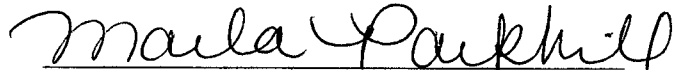
I, Timothy P. Dowd, have inspected the site and certify that the plan submitted for the Percolation Application is accurate as drawn.

  
Timothy P. Dowd

State of Maryland, County of \_\_\_\_\_ :

On this 28 day of NOV, 2005, before me, the undersigned Notary Public for the state and count aforesaid, personally appeared Timothy P. Dowd known to Me or satisfactorily proven to be the person whose name is subscribed on this document.



  
Notary Public

My Commission Expires:

MARLA PARKHILL  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires February 28, 2009



# Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

8020 Venable Court • P.O. BOX 245 • Myersville, MD 21775 • 800-332-3349 • FAX 301-593-3309  
www.fredericktownelabs.com • info@fredericktownelabs.com

## Certificate of Analysis

Acct. No. 366 - 8-2

### Field Record

Site visit performed on: Thursday, October 09, 2008 12:30 PM

by: Charles Havens State ID No. 8699CH

Affiliation: Fredericktowne Labs, Inc.

Property Owner: W. R. Becker, LLC / Dowd Residence

Property Address: 15545 Carrs Mill Road

Woodbine, MD 21797

Sample Source: Kitchen Stnk

Treatment Devices Noted: No Treatment Devices Present

Sample taken after treatment: No

Well No.: HO-94-0488

Field pH: 7.4

Res. Cl.: 0.0 mg/l

### Laboratory Report

Sample Received at laboratory: 10/9/2008 2:35 PM

#### Bacteriological results:

Total Colif. (/100ml)	E.coli.(/100ml)	Date/Time Analysis Started	Method	Analyst
<1	<1	10/9/2008 3:00 PM	9223B	JD

This sample meets Federal standards for coliform bacteria in drinking water and is safe for human consumption. Analysis was performed according to the 20th edition of Standard Methods

Verified by: M. B. Miller 10/10/08  
Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory  
Maryland Cert. No. 118 Virginia Cert. No. 00141 W. Virginia Cert. No. 9924-M  
MDOT WBE Cert. No.: 91-155





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ENVIRONMENTAL TESTING

3020 Ventria Court • P.O. BOX 248 • Myersville, MD 21775 • 800-332-3340 • FAX 301-283-2388  
 www.fredericktownelabs.com • info@fredericktownelabs.com

## Certificate of Analysis

Acct. No. 366 - 8-1

### Field Record

Site visit performed on: Thursday, October 02, 2008 10:55 AM  
 by: Charles Havens State ID No. 8699CH  
 Affiliation: Fredericktowne Labs, Inc.  
 Property Owner: W. R. Becker, LLC / Dowd Residence  
 Property Address: 15545 Carrs Mill Road  
 Woodbine, MD 21797  
 Sample Source: Bathroom Sink  
 Treatment Devices Noted: No Treatment Devices Present  
 Sample taken after treatment: No  
 Well No.: HO-94-0488  
 Field pH: 6.2  
 Res. Cl.: 0.0 mg/l

### Laboratory Report

Sample Received at laboratory: 10/2/2008 2:30 PM

#### Bacteriological results:

<u>Total Colif. (/100ml)</u>	<u>E.coli. (/100ml)</u>	<u>Date/Time Analysis Started</u>	<u>Method</u>	<u>Analyst</u>
5.3	<1	10/2/2008 3:00 PM	9223B	MM

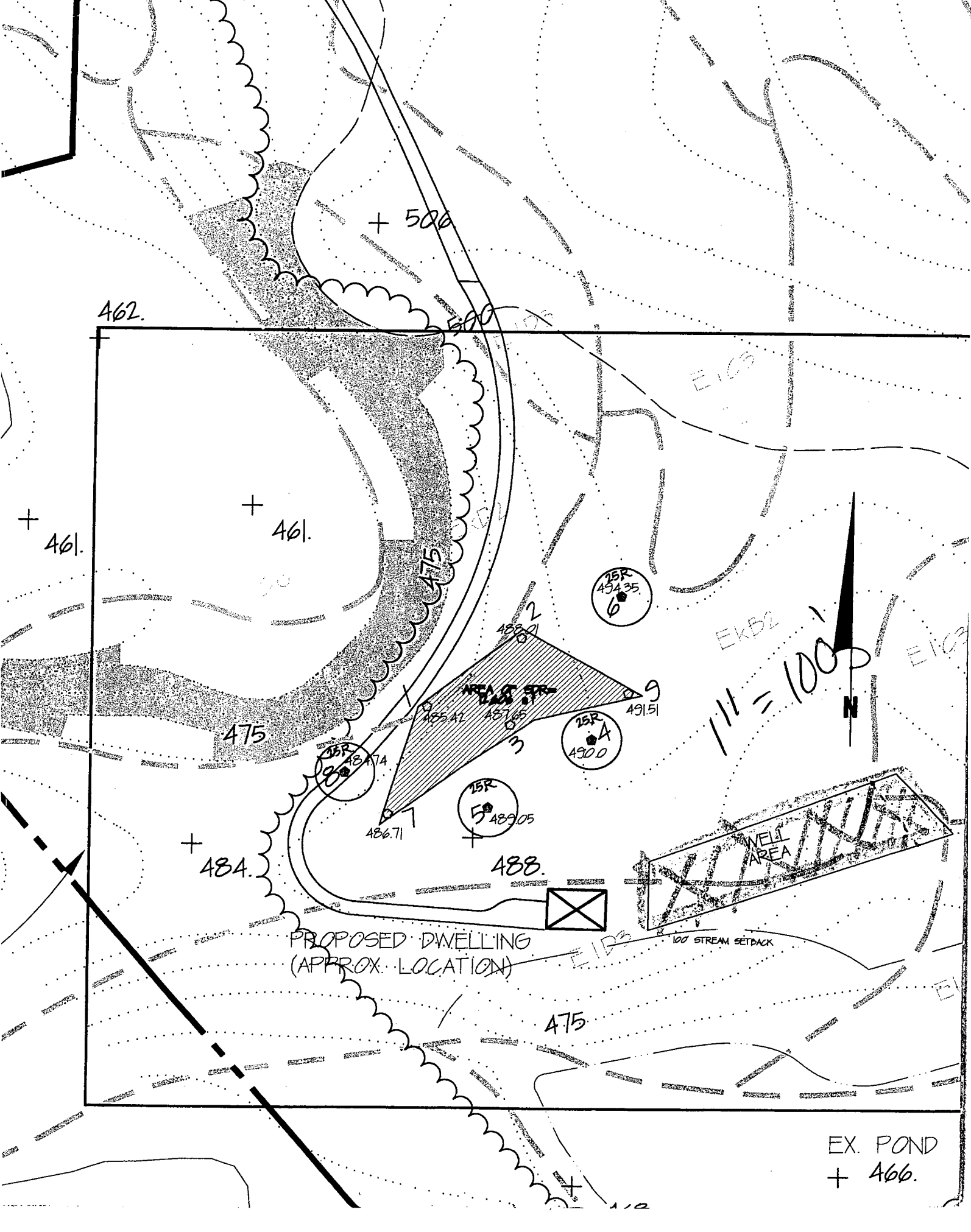
**Bacteriological analysis of this sample indicates the water is unsafe for human consumption.  
 Analysis was performed according to the 20th edition of Standard Methods**

#### Inorganic Chemical results:

<u>Parameter</u>	<u>Result Units</u>	<u>MCL</u>	<u>Date of Analysis</u>	<u>Method</u>	<u>Analyst</u>
Nitrate-Nitrogen	10 mg/l	10	10/2/2008	300.0	PH
Sand	<2 mg/l	5	10/6/2008	0.065mm Filter	JD
Turbidity	1.4 NTU	10	10/3/2008	180.1	JD

Verified by: M. B. Wheeler / smp 10/10/08  
Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory  
 Maryland Cert. No. 116 Virginia Cert. No. 00141 W. Virginia Cert. No. 9924-M  
 MDOT WBE Cert. No.: 91-158



462.

+ 500

+ 461.

+ 461.

475

475

15R  
454.35  
6

482.01

AREA OF SITE

485.41

487.05

491.51

15R  
A  
490.0

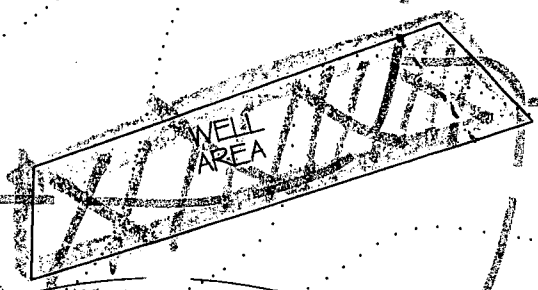
15R  
487.74

15R  
5  
489.05

486.71

+ 484.

488.



100' STREAM SETBACK

PROPOSED DWELLING  
(APPROX. LOCATION)



475

EX. POND  
+ 466.

# HOWARD COUNTY AGRICULTURAL LAND PRESERVATION BOARD

3430 Courthouse Drive  
Ellicott City, Maryland 21043  
410-313-5407  
www.co.ho.md.us



David Patrick, Chairman  
J. G. Warfield, Vice Chairman

H. "Bucky" Clark, Member  
James Eacker, Member  
Sean Hough, Member  
John Komsa, Member  
Shirley Matlock, Member

Joy Levy, Executive Secretary

November 16, 2005

Tim Dowd  
15535 Carrs Mill Road  
Woodbine, MD 21797

Re: Dowd property, HO-90-14-E

Dear Mr. Dowd.


At their November 14, 2005 meeting, the Agricultural Land Preservation Board (ALPB) of Howard County voted to approve your request to construct a tenant house on your easement property. This approval is granted in accordance with Section 15.514 of the Howard County Code and is subject to the obtainment of all appropriate county and state permits and approvals.

Please do not hesitate to call me if you have any questions at 410-313-5407.

Sincerely,



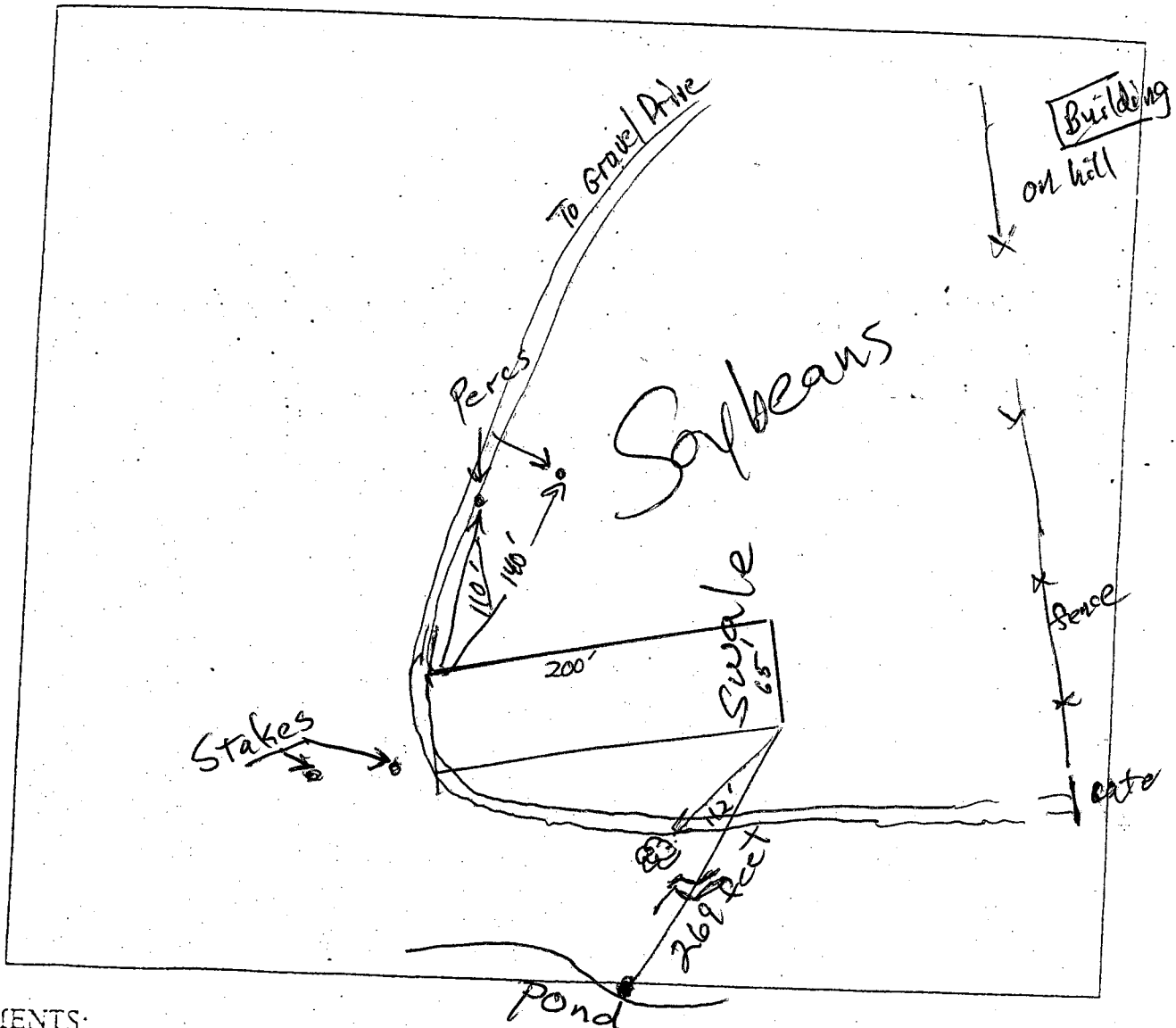
Joy Levy, Administrator  
Agricultural Land Preservation Program

cc: Ag Read File  
 Dowd file #HO-90-14-E

SITE INSPECTION SHEET

OWNER: Dowd (Circle D Farm) PHONE #: \_\_\_\_\_  
ADDRESS: Carr's Mill Rd CONTRACTOR: \_\_\_\_\_  
SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ WELL TAG #: \_\_\_\_\_  
PROPOSAL: \_\_\_\_\_ COUNTY #: \_\_\_\_\_

LOCATION DIAGRAM



COMMENTS:

269' - Corner of well area to a 'Wood Duck House' at Pond's Edge  
point at pond is in mowed area at bend, next to black willow shrub

RB  
8/1/2006

SDA 110

SDA 140

Backline 200

side 65

S-trunk Maple 172'

Wood Duck 269'

House

in grass at bend

in pond bank

(black willow shrub)