



**B 1** 1072 SEQUENCE NO. (MDE USE ONLY) **STATE OF MARYLAND** STATE PERMIT NUMBER  
**APPLICATION FOR PERMIT TO DRILL WELL** 140-95-1522  
527950 please type 70 fill in this form completely 79

**OWNER INFORMATION**  
 Date Received (APA) 8 MM 00 DD 13 YY  
Warfield, Jr. Owner Kennard First Name  
P.O. Box 30 Street or RFD  
Glennely Md. 21737 Town State Zip

**B 3** Howard LOCATION OF WELL  
 COUNTY 21  
The Warfields II SUBDIVISION  
 SECTION 2 LOT 26  
Dayton NEAREST TOWN  
 MILES FROM TOWN (enter 0 if in town) 4 M I

**DRILLER INFORMATION**  
Joseph L. Mayne Driller's Name License No. 5 D 024  
Joseph L. Mayne Well Drilling Firm Name  
5512 Ridge Rd. Mt. Airy, Md. 21771 Address  
Joseph L. Mayne Signature 12-10-2007 Date

**B 4** DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
  
 NEAR WHAT ROAD Mechele Dr.  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
  
 DISTANCE FROM ROAD 25 FT  
 ENTER FT OR MI 38 39  
 TAX MAP: 27 BLK: 23 PARCEL 114

**B 2** WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) 5  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

**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 (13) COUNTY NO.  
 STATE SIGNATURE \_\_\_\_\_ INSERT S →  
 DATE ISSUED 2/18/08  
John Wark CO SIGNATURE 2/18/08 EXP. DATE  
 NORTH GRID 515 000 EAST GRID 0795 000

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

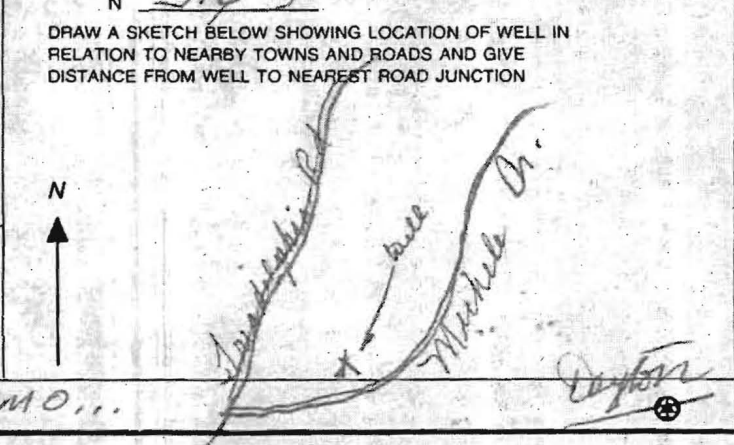
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER  
 1. well  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
 E 0795  
 N 5105

**METHOD OF DRILLING** (circle one)  
 BORED (or Augered) AIR-ROTary JETTED AIR-PERCussion ROTARY (Hydraulic Rotary)  
 CABLE REVerse-ROTary DRIVE-POINT  
 other \_\_\_\_\_

**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) \_\_\_\_\_

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**  
 APPROP. PERMIT NUMBER 1402006G009  
 PERMIT No. 140-95-1522

**SPECIAL CONDITIONS** SEE ATTACHED MEMO...  
 NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



**HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WELL & SEPTIC PROGRAM  
TEL: (410)313-1771 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 #: 410-781-4655  
Address: 6321 Barnett Avenue  
Sykesville, 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 supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.**

Name of Property Owner: NV Homes Telephone #: 410-379-5956  
Subdivision: Warfield Estates II Lot #: 8026 Well Tag #: HO - 95 - 1522  
Site Address: 14859 Michele Drive  
Glenelg, MD 21737

**Submersible Pump Data**

Make: Berkeley  
Model #: B7P4MS07221  
Pump Capacity 7 GPM  
Well Yield: 20 GPM

**Pitless Adapter**

Make: Boshart  
Model#: P-100-SS  
Depth: 42" (36" min)  
NSF/WSC 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

Depth of well encountered at time of pump installation: 280 (feet) Conduit secured to well cap: Yes

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, or other acceptable method used- Must circle one

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing N/A

**Piping to house**

Type: Poly  
PSI: 200 (160 psi min)  
Depth of supply line: 42" (36" min)

**House Connection**

PVC sleeve to undisturbed soil at wall penetration: Yes  
Length of sleeve(5' minimum from foundation): 10'  
Sleeve 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.**

Harry W. Forman      June 27, 2012  
Signature of company representative responsible for installation      date

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

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: (BB) Inspector: 9/12/2012

Inspection Data: Pitless adapter watertight & 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 not outside of well cap/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 ✓

K:\Drawings 3\30210 Warfield Homestead\DWG\30330 Well Exhibit War 11 Section 2 Lot 26.dwg, 12/7/2007 8:27:45 AM

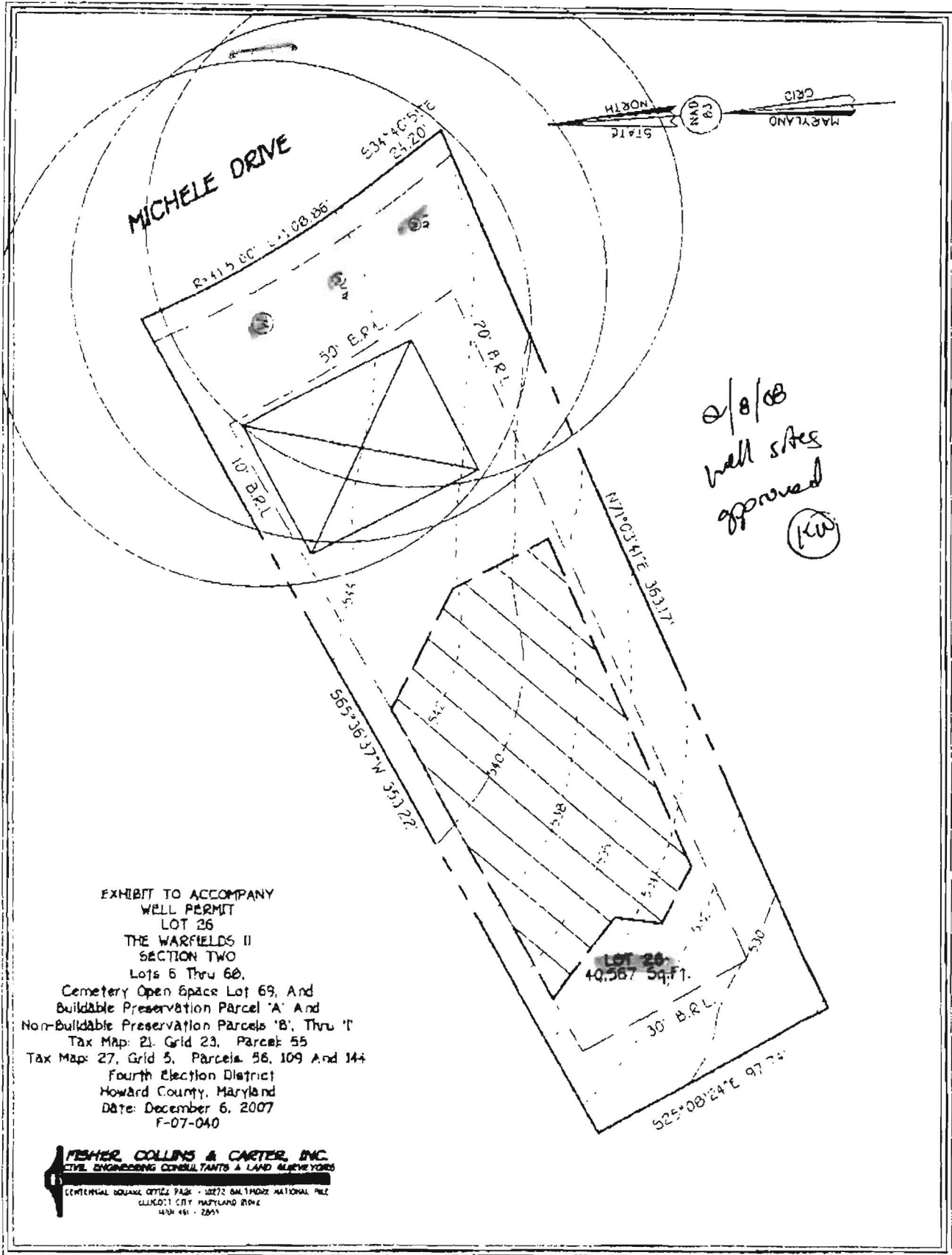


EXHIBIT TO ACCOMPANY  
WELL PERMIT  
LOT 26  
THE WARFIELDS II  
SECTION TWO  
Lots 6 Thru 60.

Cemetery Open Space Lot 69, And  
Buildable Preservation Parcel 'A' And  
Non-Buildable Preservation Parcels 'B', Thru 'I'  
Tax Map: 21, Grid 23, Parcel: 55  
Tax Map: 27, Grid 5, Parcels: 56, 109 And 144  
Fourth Election District  
Howard County, Maryland  
Date: December 6, 2007  
F-07-040

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL DELAWARE OFFICE PARK - 10273 BALTIMORE NATIONAL PIKE  
COLLETT CITY, MARYLAND 21042  
410-451-2851

3. If you decide to sell or rent your home in the future, you must make any potential buyer/tenant aware of this permanent deviation. **A person who fails to make this disclosure is subject to the penalties set out in COMAR 26.04.04.12F Enforcement and Environment Article 9-1311, Annotated Code of Maryland.**

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-95-1522. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the Annotated Code of Maryland, Environment Article, 9-1311, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water quality laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:  
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,



Jeff Williams  
Program Supervisor  
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits  
Community Hygiene Program  
File



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
Main: 410-313-2640 | Fax: 410-313-2648  
TDD 410-313-2323 | Toll Free 1-866-313-6300  
[www.hchealth.org](http://www.hchealth.org)  
Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)  
Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Acting Health Officer

**INTERIM CERTIFICATE OF POTABILITY**  
**PERMANENT DEVIATION FOR NITRATES**

Expiration Date – April 19, 2012

October 19, 2012

Homeowner  
14859 Michele Drive  
Glenelg, MD 21737

RE: **Warfields II, Lot 26**  
**14859 Michele Drive**  
**Building Permit: B12002067**  
**Well Permit: HO-95-1522**

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on 10/2/2012. Final approval of the well line connection to the dwelling was granted on 9/12/2012. The well construction was completed on 4/15/2008. Water samples were collected on 10/15/2012 and 10/18/2012.

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 untreated water sample collected on 10/15/2012 indicated a nitrate level of 12.7 mg/L. This exceeds the maximum contaminant limit of 10 mg/L set forth in COMAR 26.04.04.09. After installation of a nitrate removal device (kitchen tap reverse osmosis system), a post-treatment water sample was collected on 10/18/2012 and indicated a nitrate level of <1.0 mg/L.

This Department will grant a permanent deviation to the Interim Certificate of Potability on condition that the nitrate removal system effectively maintains a nitrate-nitrogen contaminant level of 10 mg/L or less.

Furthermore, it will be necessary for you to comply with the following conditions:

1. The system must be properly operated and maintained continuously in accordance with the service contract for the life of the residence.
2. It is recommended that a Maryland certified water laboratory certified for nitrates analysis perform a yearly nitrate analysis.



**TRACE LABORATORIES, INC**  
 5 North Park Drive  
 Hunt Valley, MD 21030 USA  
 Telephone: 410/584-9099 / Fax: 410/584-9117  
 Website: www.traceclabs.com / Email: info@traceclabs.com

Maryland State Certified Laboratory #318

**CERTIFICATE OF ANALYSIS**

**Requester:** Rick Cross  
 Robert L. Feezer Company  
 6321 Barnett Avenue  
 Sykesville, Maryland 21784

**S/O Number:** 87031

**Report Date:** October 19, 2012

*Nitrate Retest #1*

**Property Sampled:** 14859 Michele Drive, 21797  
**Sample Location:** Reverse Osmosis (R/O) Tap  
**Residual Chlorine:** <0.1 mg/L

**Building Permit #:** B12002067  
**Sampler ID #:** 4723TL  
**Samples Iced:** Yes

**County:** Howard  
**Map:** 27

**Subdivision:** The Warfields II S2 RSB  
**Parcel:** 114  
**Lot#:** 26

**Date/Time Collected in Field:** October 18, 2012 @ 1:44 pm  
**Date/Time Received in Lab:** October 18, 2012 @ 4:01 pm

**Well Tag #:** HO-95-1522  
**Well Condition:** 2-Piece Cap, Satisfactory

**Water Treatment/Conditioning:** Softener, Neutralizer, Reverse Osmosis

*N. trades ok  
 gw  
 10/19/12*

PARAMETER	METHOD	MCL	RESULT	PASS/FAIL
Nitrate	SM 4500D	10 mg/L as N	<1.0 mg/L as N	Pass

The results in this report relate only to those items tested. If any additional information or clarification of this report is required, please contact us. This test report shall not be reproduced except in full without the written approval of Trace Laboratories Inc.

*Katherine C. Higgs*  
 Katherine C. Higgs  
 Manager - Drinking Water Testing



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 5 North Park Drive  
 Hunt Valley, MD 21030 USA  
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Maryland State Certified Laboratory #318

**CERTIFICATE OF ANALYSIS**

**Requester:** Rick Cross  
 Robert L. Feezer Company  
 6321 Barnett Avenue  
 Sykesville, Maryland 21784

**S/O Number:** 86978

**Report Date:** October 16, 2012

**Property Sampled:** 14859 Michele Drive, 21797  
**Sample Location:** Pressure Tank Tap  
**Residual Chlorine:** <0.1 mg/L

**Building Permit #:** B12002067  
**Sampler ID #:** 7483AM  
**Samples Iced:** Yes

**County:** Howard  
**Map:** 27

**Subdivision:** The Warfields II S2 RSB  
**Parcel:** 114  
**Lot#:** 26

**Date/Time Collected in Field:** October 15, 2012 @ 10:55 am  
**Date/Time Received in Lab:** October 15, 2012 @ 2:00 pm

**Well Tag #:** HO-95-1522  
**Well Condition:** 2-Piece Cap, Satisfactory

**Water Treatment/Conditioning:** Softener, Neutralizer

PARAMETER	METHOD	MCL/*SMCL	RESULT	PASS/FAIL
Total Coliform	SM 9223B	Absent	Absent	Pass
E. coli	SM 9223B	Absent	Absent	Pass
Nitrate	SM 4500D	10 mg/L as N	12.7 mg/L as N	FAIL
Turbidity	EPA 180.1	10 NTU	1.1 NTU	Pass
pH	EPA 150.1	*5.5-8.5 Units	6.0 Units	***
Sand		Absent	Absent	Pass

The results in this report relate only to those items tested. If any additional information or clarification of this report is required, please contact us. This test report shall not be reproduced except in full without the written approval of Trace Laboratories Inc.

*Nitrates are not acceptable 10-17-12*

*Katherine C. Higgs*  
 Katherine C. Higgs  
 Manager - Drinking Water Testing

MCL: Maximum Contamination Level, an enforceable level established by the EPA  
 \*SMCL: Secondary Maximum Contamination Level, a level recommended by the EPA  
 \*\*\*A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.



Howard County  
Health Department

Bureau of Environmental Health  
7178 Gateway Drive Columbia, MD 21046  
(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)

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

Friday, February 08, 2008

**IMPORTANT**

MEMORANDUM

To: WELL DRILLER,  
FILE

From: Kevin Wolf, Sanitarian  
Well and Septic Program

Re: The Warfield's II (F-07-040)  
Lot 26

In order to preserve the quality of ground drinking water, a special condition has been set for lot 26 for the above referenced property. This condition requires the driller to seal off the upper strata by placing a certain amount of casing to the approximate depth below the very first water-bearing fracture OR a minimum of 75 feet (which ever comes first). For example, if you hit a water-bearing fracture at 53 feet, then there should be at least 55 feet of casing or enough casing to get below that fracture. **Any deviations to this condition are to be prior approved by the Health Department.**