



B 1 0743

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HW-95-0316

S24124 please type

fill in this form completely

Date Received (APA)

02 24 06

OWNER INFORMATION 10165

J T S Corporation

8908 Centre Park Drive S209

Columbia, Md 21045

Town State Zip

DRILLER INFORMATION

George F. Easterday

L. Franklin Easterday, Inc.

9265 Brown Church Rd., MT. Airy, Md. 21771

George F. Easterday 2/23/2006

LOCATION OF WELL

Howard

Macbeth Farm

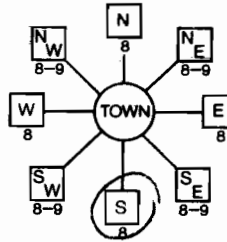
Clarksville

SECTION LOT

NEAREST TOWN

MILES FROM TOWN

DIRECTION OF WELL FROM TOWN



Clarksville Pike (Md 108)

NEAR WHAT ROAD

ON WHICH SIDE OF ROAD



DISTANCE FROM ROAD Ft.

TAX MAP: 34 BLK: 24 PARCEL 90

WELL INFORMATION

APPROX. PUMPING RATE

AVERAGE DAILY QUANTITY NEEDED

USE FOR WATER

- 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

COUNTY NAME COUNTY NO.

STATE SIGNATURE DATE ISSUED

COUNTY SIGNATURE EXP. DATE NORTH GRID EAST GRID

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING

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

REPLACEMENT OR DEEPEMED WELLS

- 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

Not to be filled in by driller

APPROX. PERMIT NUMBER PERMIT No.

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

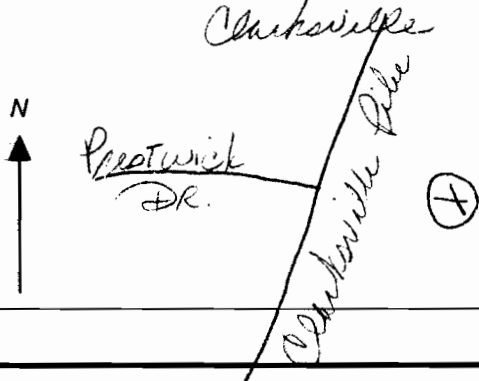
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

WRITE THE BOX NUMBER FROM THE MAP HERE

810 6
490 4

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





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 #: 410-781-4655  
Address: 6301 Barnhart 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. 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: M/V Homes Telephone #: 410-379-5956  
Subdivision: CLARKSVILLE OVERLOOK Lot #: 10 Well Tag #: HO-95-0316  
Site Address: 12852 MacBeth Farm Ln  
CLARKSVILLE, MD 21029

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit  
Make: Sta-R-R Make: Campbell Two piece watertight cap:   
Model #: SSPHS1021 Model#: PT 800 Screened, vented well cap:   
Pump Capacity 5 GPM Depth: 40" (36" min) Cap secured to casing:   
Well Yield: 8 GPM NSF approved:  Conduit min 18" B.G.:   
Depth of well encountered at time of pump installation: 500 (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: 10'  
Depth of supply line: 40" (36" min) Sleeve caulked and sealed properly:

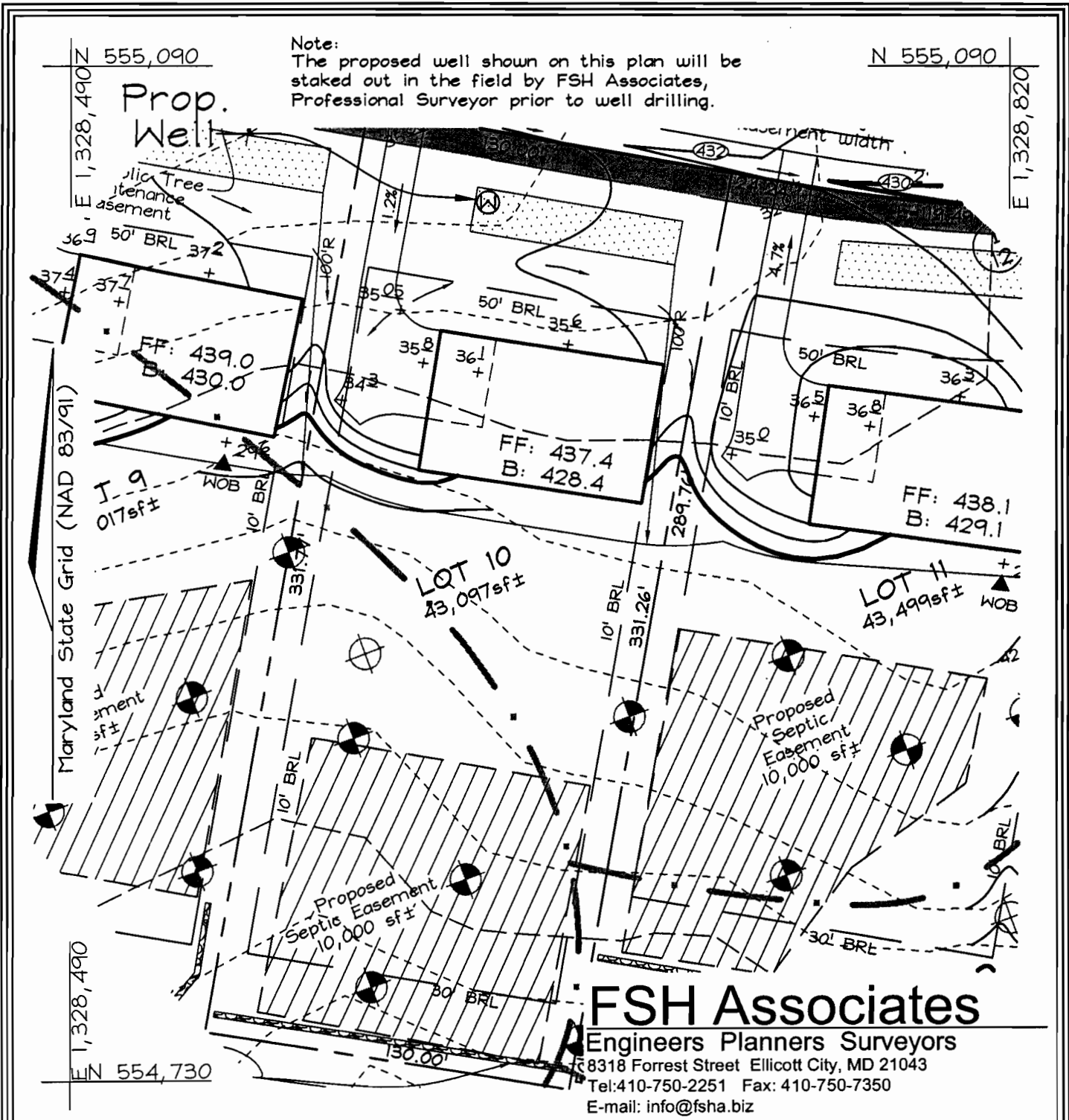
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Robert L. Feezer date: 2/21/08  
Inspection for 2/1/08

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

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 2/21/08  
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

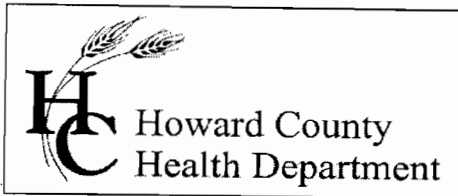
Note:  
 The proposed well shown on this plan will be  
 staked out in the field by FSH Associates,  
 Professional Surveyor prior to well drilling.



**FSH Associates**  
 Engineers Planners Surveyors  
 8318 Forrest Street Ellicott City, MD 21043  
 Tel: 410-750-2251 Fax: 410-750-7350  
 E-mail: info@fsha.biz

DESIGN BY: PS  
 DRAWN BY: CD  
 CHECKED BY: ZYF  
 SCALE: 1"=50'  
 DATE: Feb. 9, 2006  
 W.O. No.: 3165  
 SHEET No.: 10 OF 35

**WELL PERMIT PLAN**  
**MACBETH FARM**  
 LOT 10  
 TAX MAP 34 GRID 18 & 24  
 4TH ELECTION DISTRICT  
 PARCEL 90  
 HOWARD COUNTY, MARYLAND



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

March 4, 2008

NV Homes, Inc.  
6085 Marshalee Drive, Suite 130  
Elkridge, MD 21075

RE: Clarksville Overlook, Lot 10  
12852 Macbeth Farm Lane  
Clarksville, MD 21029  
BP #: B07004037  
Well Permit # HO-95-0316

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 01/29/2008.** **Final approval of the well line connection to the dwelling was approved on 02/06/2008.**

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.

Also, Gross Alpha and Beta samples were collected on 07/11/2007. The Gross Alpha result was below its maximum contaminant level (MCL) of 15 pCi/L, while the Gross Beta level was below its targeted value of 50 pCi/L. At the time of the testing and with respect to these parameters, the future well water supply appears safe for all uses. No additional testing **for these parameters** will be required to secure the future Use and Occupancy.

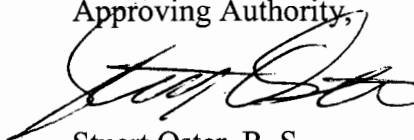
#### INTERIM CERTIFICATE OF POTABILITY

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-95-0316. 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.**

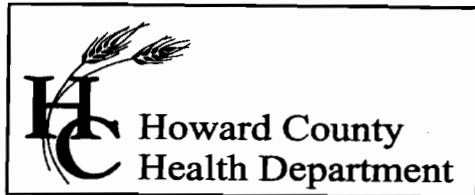
Dates of Water Sample: 03/03/2008  
Date of Samples for Gross Alpha and Gross Beta: 07/11/2007  
Date of Well Completion: 04/20/2006

Approving Authority,



Stuart Oster, R. S.  
Well & Septic Program

cc: Building Inspector's Office  
Community Health Services  
File



Bureau of Environmental Health  
7178 Columbia 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

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

August 29, 2007

JTS Corporation  
8808 Centre Park Drive  
Suite 209  
Columbia, Maryland 21045

RE: MacBeth Farm Lot 10  
Well Tag: HO-95-0316

To Whom this May Concern:

A sample was collected from a yield test on July 11, 2007 and submitted to GPL Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. In turn, this can provide information regarding naturally occurring radiation (i.e., Radionuclides) that may exist in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of  $1.7 \pm 1.3$  picocuries/liter (pCi/L); while the **Gross Beta** level was  $3.8 \pm 2.3$  pCi/L. Both the **Gross Alpha** and **Gross Beta** were below the **maximum contaminant level (MCL)** of 15 pCi/L and the targeted value of 50 pCi/L (roughly equivalent to the **annual dose rate of 4 millirems/year**). At the time of testing and with respect to these parameters, the future well water supply appears safe for all uses. No additional testing for these parameters will be required to secure the future Use & Occupancy. However, other standard testing will still be necessary.

A copy of the test results is enclosed for your information. Please call this office at 410-313-1773 if you have any further questions.

Sincerely,

Bert Nixon, Director  
Bureau of Environmental Health

cc: Eric Dougherty, MDE Water Mgmt., Groundwater  
Well & Septic File

## CERTIFICATE OF ANALYSIS

**Requester:**  
 NV Homes, Inc  
 Attn: Buddy  
 6085 Marshalee Drive Suite 130  
 Elkridge, Maryland 21075

**S/O Number:** 67406  
**Report Date:** March 4, 2008



Trace Laboratories, Inc.  
 Maryland

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

Maryland State Certified  
 Water Quality Laboratory  
 No. 318

ISO 9001:2000



PERRY JOHNSON  
 REGISTRARS, INC.  
 Cert No. C2005-01504

**Property Sampled:** 12852 Macbeth Farm Lane

**County:** Howard  
**Subdivision:** Clarksville Overlook **Tax Map #:** 34  
**Lot #:** 10 **Parcel #:** 90  
**Building Permit #:** B07004037

**Date/Time Collected:** March 3, 2008 at 12:18 pm  
**Date/Time Received:** March 3, 2008 at 2:30 pm

**Sample Location:** Pressure Tank Tap  
**Sampler ID:** 0095JF  
**Samples Iced:** Yes  
**Residual Cl<sub>2</sub> <0.1 mg/L:** Yes

**Well Tag Number:** HO-95-0316  
**Well Condition:** 2-Piece Cap  
 Satisfactory

**Water Conditioning/Treatment:** Neutralizer

PARAMETER	RESULT	METHOD	MCL/*SMCL	
Nitrate	4.8 mg/L as N	SM 4500D	10 mg/L as N	Pass
Turbidity	1.4 NTU	EPA 180.1	10 NTU	Pass
pH	6.7 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

*Katherine Cannon FCR*  
 Allison R. Milburn  
 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.

Send Report To:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

State of Maryland  
 DHMH - Laboratories Administration  
 Division of Environmental Chemistry  
**RADIATION LABORATORY**

201 W. Preston Street, Baltimore, Maryland 21201  
 John M. DeBoy, Dr. P.H., Director

**LABORATORY ANALYSIS REQUEST**

*MF10BB950316*

Sample Bottle No. A: 7 No. B: \_\_\_\_\_ Field Blank Bottle No. A: \_\_\_\_\_ No. B: \_\_\_\_\_

Plant/Site Name: Macbeth Farm - Lot 10 County: Howard

Sample Source: Rt. 108 Location: HO-95-0316  
 (well no., lab sink, sample tap, etc.)

County:   Plant No.

CHECK (one per box)

Drinking Water <input checked="" type="checkbox"/>	Community <input type="checkbox"/>	Source (raw water) <input checked="" type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input checked="" type="checkbox"/>
Stream <input type="checkbox"/>	Private <input checked="" type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other <input type="checkbox"/>	Other <input type="checkbox"/>		Special <input type="checkbox"/>

Collector: Brian Baker Telephone No: (410) 313-2643

Date Collected: 7/11/2007 Time Collected: 11:30 a.m. \_\_\_\_\_ p.m.

Nitric Acid Preserved: Yes  No  Iced: Yes  No

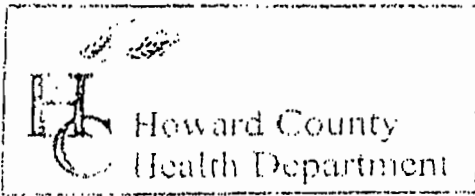
Submitters Code:   Federal Project:  Field Data: \_\_\_\_\_

Remarks: Freezer Plumbing Ran Pump for 30 Minutes <sup>pH</sup> <sup>Chlorine</sup>

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000	<i>70233-004</i>	<i>1.75/13</i>	<i>7/11/07</i>
✓	Gross Beta	4100		<i>1.85/13</i>	
	Radon-222 Bottle A	4004			
	Radon-222 Bottle B	4004			
	Field Blank A	4004			
	Field Blank B	4004			
	Tritium				
	Ra - 226	4020			
	Ra - 228	4030			
	Total Uranium	4006			

Date Received: \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

Supervisor: \_\_\_\_\_



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 F.S.H. ASSOCIATES,  
 (professional land surveyor or company employing professional land surveyors)  
 on 2-20-06 (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

JTS CORPORATION  
 LOTS 1-35 MACBETH FARM