

C1 8774

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 13 A517422

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 03 22 07

Depth of Well 22 280 26 (TO NEAREST FOOT)

Handwritten notes: 2/19/07 OK (KW)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-0602

OWNER DeFrancis STREET OR RFD Breakness Circle Lane TOWN Clarksville SUBDIVISION Walnut Grove SECTION LOT 57

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. Includes entries for Top Soil, Sand Stone MICKA, and Sand Stone MICKA.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N. TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC. NO. OF BAGS 6 NO. OF POUNDS 36. GALLONS OF WATER 36. DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 28 ft.

CASING RECORD

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch): 6 Total depth of main casing (nearest foot): 22. Includes checkboxes for STEEL, CONCRETE, PLASTIC, OTHER.

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

screen type or open hole insert appropriate code below. Includes checkboxes for STEEL, BRASS, BRONZE, PLASTIC, OPEN HOLE, OTHER.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES Y NO N

- CIRCLE APPROPRIATE LETTER A 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...

DRILLERS LIC. NO. M SDH72 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. D

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

DEPTH (nearest ft.)

Table with columns: T, 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, 77, 78, 79, 80. Includes handwritten values: 20, 280.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 88

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) 3. PUMPING RATE (gal. per min.) 7.5. METHOD USED TO MEASURE PUMPING RATE Bucket. WATER LEVEL (distance from land surface) BEFORE PUMPING 5 ft. WHEN PUMPING 100 ft. TYPE OF PUMP USED (for test) S submersible.

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) 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 LAND SURFACE - below 2 (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 1 0505 SEQUENCE NO. (MDE USE ONLY)

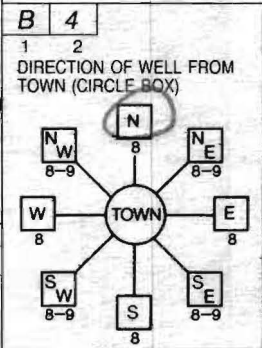
STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 525642 please type

STATE PERMIT NUMBER HO-95-0602 fill in this form completely

OWNER INFORMATION Landmarketing Consultants 3060 Rt. 97 Glenwood MD 21771

LOCATION OF WELL Howard COUNTY WALNUT GROVE CLARKSVILLE

DRILLER INFORMATION Ralph E. Mayne M SD 117 17024 Hardy Rd. Mt. Airy MD 21771



NEAR WHAT ROAD Preakness CIRCLE ON WHICH SIDE OF ROAD NEAR WHAT ROAD 250 DISTANCE FROM ROAD 18 TAX MAP: 28 BLK: 18 PARCEL 74

WELL INFORMATION APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 500

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard (13) A517422

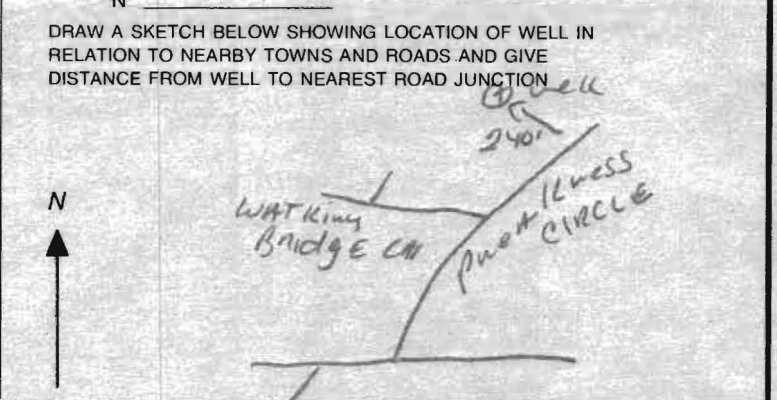
USE FOR WATER (CIRCLE APPROPRIATE BOX) D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well

METHOD OF DRILLING (circle one) AIR-ROTary

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



Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER HO-2005-G-006 PERMIT No. HO-95-0602

SPECIAL CONDITIONS Health Dept. Must Collect Water Sample During Yield Test



HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WATER AND SEWERAGE PROGRAM  
TEE: (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: 6321 Barnett 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: MV Homes Telephone #: 410-379-5956  
Subdivision: Walnut Grove Lot #: 57 Well Tag #: HO-95-0602  
Site Address: 12320 Breaknoss Circle Lane  
Clarksville, MD 21029

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit  
Make: STA-RTR Make: Campbell Two piece watertight cap:   
Model #: SIDP4HS0722 Model #: PT 800 Screened, vented well cap:   
Pump Capacity 10 GPM Depth: 45.11 (36" min) Cap secured to casing:   
Well Yield: 7.5 GPM NSF approved:  Conduit min 18" B.G.:   
Depth of well encountered at time of pump installation: 80 (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 \_\_\_\_\_

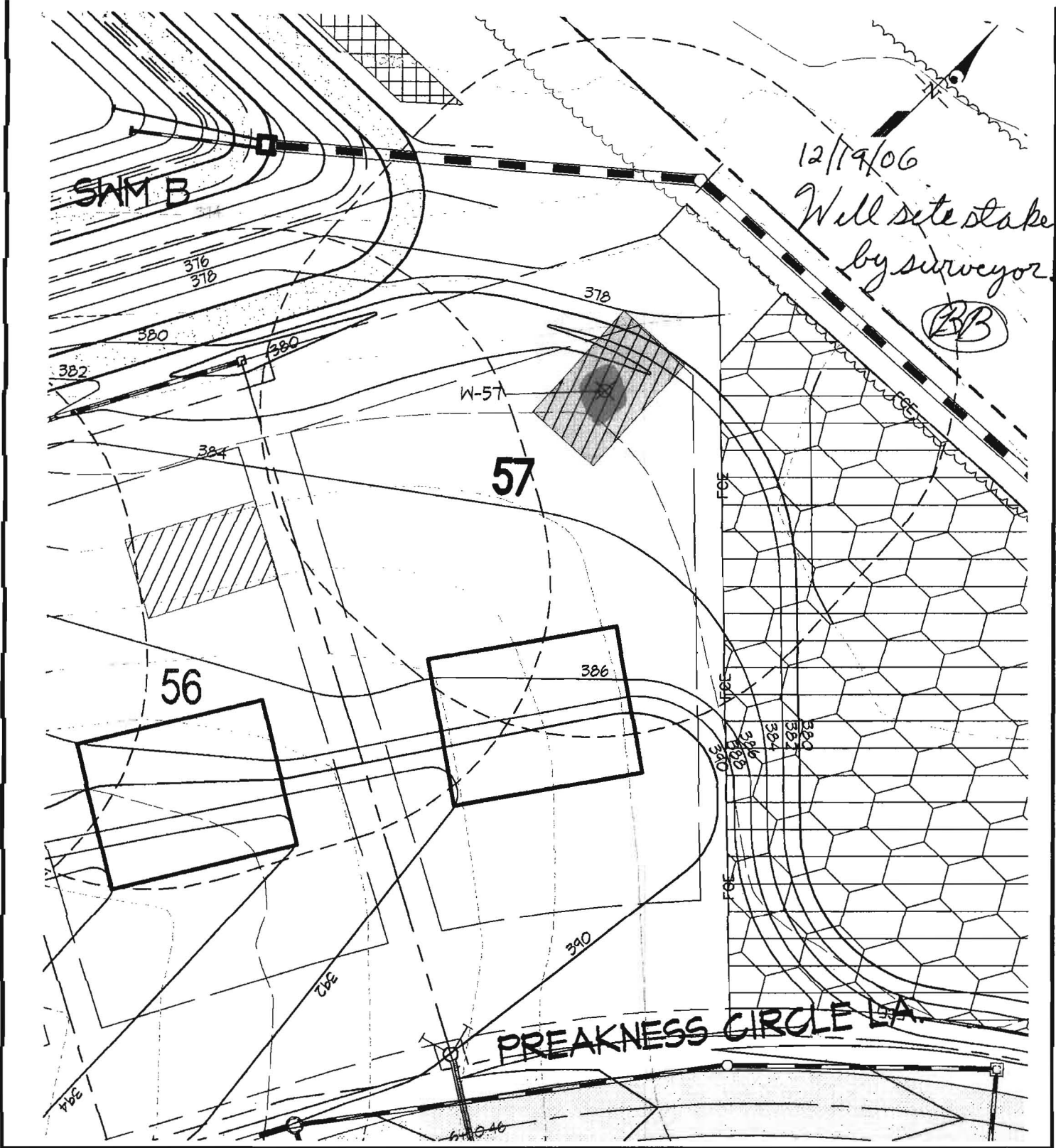
Piping to house House Connection  
Type: Poly PVC sleeved to undisturbed soil at wall penetration:   
PSI: 200 (160 psi min) Approximate length of sleeve: 10'  
Depth of supply line: 40 (36" min) Sleeve caulked and sealed properly:

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: 11/11/10  
CALLLED FOR INSPECTION 11/3/10 A.M.

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

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 10/4/2010 BBB  
Inspection Data: Pitless-adapter and water supply line at least 36" below grade Covered with Mud  
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 Covered  
Adequate grout observed below pitless adaptor Covered With Mud



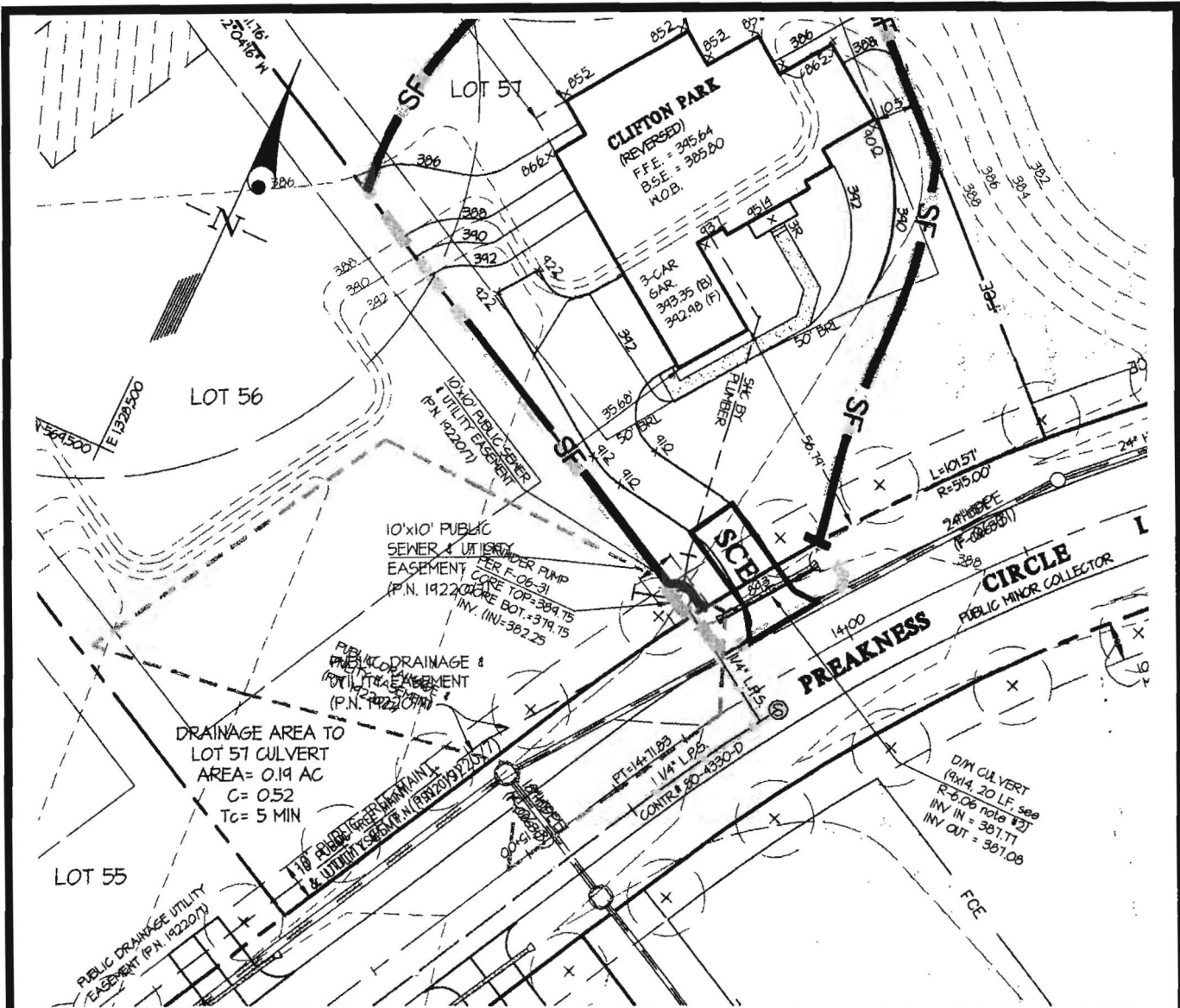
<b>LEGEND</b>	PROPOSED LPSS	HOUSE BOX	WELL BOX	W-05 SURVEY POINT
	PROPOSED STORM DRAIN			

**WELL LOCATION EXHIBIT - LOT 57**

**WALNUT GROVE**  
 Lots 1 thru 88, Buildable Preservation Parcel "A",  
 Non-Buildable Preservation Parcels "B" Thru "I" And  
 and Non-Buildable Bulk Parcel "J"

**GLW GUTSCHICK LITTLE & WEBER, P.A.**  
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
 BURTONSVILLE, MARYLAND 20866  
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

SCALE: 1"=50'	ZONING: RC/RR-DEO	TAX MAP/GRID: 28-18/17	GLW JOB NO: 00153	OCT., 2006	1 OF 1
---------------	-------------------	------------------------	-------------------	------------	--------



**LEGEND**

- PROP. HOUSE
- PROP. DRIVEWAY CULVERT
- DRAINAGE DIVIDE
- PROP. CONTOUR
- EX. CONTOUR
- STREET TREE
- PROP. STORM DRAIN

From No.	To No.	Area (Ac)	C	AC	ΣA (Ac)	ΣAC	Tc (min)	I (in/hr)	Q (cfs)	Dia. (in)	Slope %	Velocity (fps)					L (ft)	TIP (min)		
											Min.	Acc.	Vff	Qc	Vc	Qa/Qc	V%	Vp		
Lot 57		0.19	0.52	0.10	0.19	0.10	5.0	8.50	0.8	12	3.05	2.35	1.1	5.93	7.55	0.14	66.0914	5.0	16	0.1

**WALNUT GROVE**  
**LOT 57 (xxxxx PREAKNESS CIRCLE LANE)**  
**PLAT Nos. 19220-19227**

CONTRACT PURCHASER/BUILDER:  
 NVR INC.  
 6805 MARSHALEE DRIVE  
 ELKRIDGE, MD 21075  
 (410) 379-5956

**GLWGUTSCHICK LITTLE & WEBER, P.A.**

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
 BURTONSVILLE, MARYLAND 20866  
 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

REFERENCE :

WALNUT GROVE LOT: 57

DRAWN BY :

DATE :

MAY, 2010

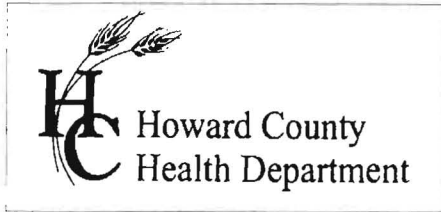
G.L.W. FILE No.

CHECKED BY :

SCALE :

1" = 40'

09057



7178 Columbia Gateway Dr., Columbia, MD 21046  
 (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 application for a proposed well for new construction, please indicate one of the following:

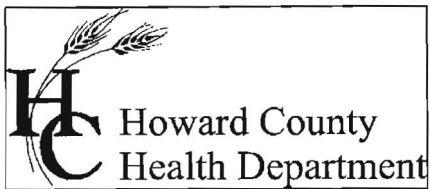
Well Site Location:

<i>Walnut Grove</i>	<i>57</i>	<i>Preakness Circle</i>
Subdivision/Property Name	Lot #	Road Name

- Staking to take place after initial review (as discussed with Bob Weber).
- The well site has been staked by \_\_\_\_\_ ,  
 (professional land surveyor or company employing professional land surveyors)  
 on \_\_\_\_\_ (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 3/11/05



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](http://www.hchealth.org)

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

December 6, 2010

Homeowner  
12320 Preakness Circle Lane  
Clarksville, MD 21029

RE: Walnut Grove, Lot 57  
12320 Preakness Circle Lane  
BP# B10002024  
Well Tag #: HO-95-0602

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 12/03/2010. Final approval of the well line connection to the dwelling was approved on 10/4/2010.**

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.

Gross Alpha and Beta samples were also collected on 03/22/2007. Both findings were below the maximum limit suggested by the EPA. At the time of the testing and with respect to these parameters, the future well water supply appears safe for all uses.

Enclosed with this certificate are copies of the septic permit and the septic as-built, along with important information regarding the use and maintenance of your septic system. Please read through carefully and thoroughly. Any questions regarding your well and/or septic, please call this office for guidance 410-313-1771.

#### 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-95-0602. 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:	11/19/2010
Date of Samples for Gross Alpha & Gross Beta:	03/22/2007
Date of Well Completion:	03/22/2007

Approving Authority,

  
Brian Baker, R. S.  
Well and Septic Program

cc: Building Inspector's Office  
Community Hygiene  
File



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

Maryland State Certified Laboratory #318

**CERTIFICATE OF ANALYSIS**

**Requester:**

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

**S/O Number:** 79568

**Report Date:** November 22, 2010

**Property Sampled:** 12320 Preakness Circle Lane, 21029  
**Sample Location:** Pressure Tank  
**Residual Chlorine:** <0.1 mg/L

**Building Permit #:** B10002024  
**Sampler ID #:** 9813AM  
**Samples Iced:** Yes

**County:** Howard  
**Map:** 28

**Subdivision:** Walnut Grove  
**Parcel:** 74

**Lot #:** 57

**Date/Time Collected in Field:** November 19, 2010 @ 1:40 pm  
**Date/Time Received in Lab:** November 19, 2010 @ 2:45 pm

**Well Tag #:** HO-95-0602  
**Well Condition:** 2-Piece Cap, Satisfactory Condition

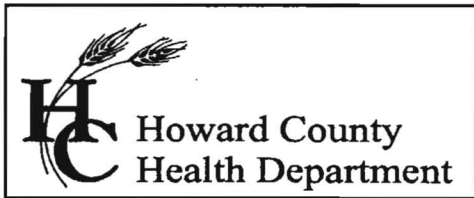
**Water Treatment/Conditioning:** Neutralizer

PARAMETER	METHOD	MCL/*SMCL	RESULT	PASS/FAIL
Total Coliform	SM 9223B	Absent	Absent	Pass
<i>E. coli</i>	SM 9223B	Absent	Absent	Pass
Nitrate	SM 4500D	10 mg/L as N	1.0 mg/L as N	Pass
Turbidity	EPA 180.1	10 NTU	<1.0 NTU	Pass
pH	EPA 150.1	*6.5-8.5 Units	7.3 Units	***
Sand		Negative	Negative	

*Katherine C. Higgs*

Katherine C. Higgs  
 Administrative Assistant

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.



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

April 5, 2007

Walnut Grove, LLC  
10705 Charter Dr.  
Suite 320  
Columbia, Maryland 21044

RE: Walnut Grove, Lot # 57  
Well Tag: HO-95-0602

To Whom It May Concern:

A sample was collected from a yield test on March 22, 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  $4.4 \pm 1.2$  picocuries/liter (pCi/L); while the **Gross Beta** level was  $5.4 \pm 1.2$  pCi/L. The **Gross Alpha** result was below its **maximum contaminant level (MCL)** of 15 pCi/L, while the **Gross Beta** level was below its target 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 (potability) 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, Deputy Director  
Bureau of Environmental Health

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

Send Report To:

Port Nixon

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**

Sample Bottle No. A: KW57WA0602 No. B: \_\_\_\_\_ Field Blank Bottle No. A: \_\_\_\_\_ No. B: \_\_\_\_\_

Plant/Site Name: Walnut Grove Lot 57 County: Howard

Sample Source: Peckins Co. Co. Location: HO-95-0602  
(well no., lab sink, sample tap, etc.)

County:   Plant No.

CHECK (one per box)

Drinking Water   
Landfill   
Stream   
Other

Community   
Non-community   
Private   
Other

Source (raw water)   
Distribution (treated)   
MCL

Emergency   
Routine   
Recheck   
Special

Collector: K. Wolf

Telephone No: 410-312-2615

Date Collected: 3/22/07

Time Collected: 10:30 a.m. \_\_\_\_\_ p.m.

Nitric Acid Preserved: Yes  No

Iced: Yes  No

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

Remarks: Sample to be collected during yield pH Chlorine

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000	<u>703162-002</u>	<u>44±12</u>	<u>3/27/07</u>
✓	Gross Beta	4100		<u>54±12</u>	
	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: \_\_\_\_\_

**Baker , Brian**

---

**From:** Pickett, Tom  
**Sent:** Thursday, December 02, 2010 12:45 PM  
**To:** Buchman , Lori; Scott , Heidi  
**Cc:** Pickett, Tom; Alcorn, John; Rocco, Anthony; Baker , Brian; Wolf , Kevin; Martin , Sharhonda; Hart, Amy; Tuder , Matt  
**Subject:** U&O Release 12320 Preakness Circle Ln

Today Tom Pickett observed the start-up of a Sewage Grinder Pump at the Walnut Grove Shared Septic System:

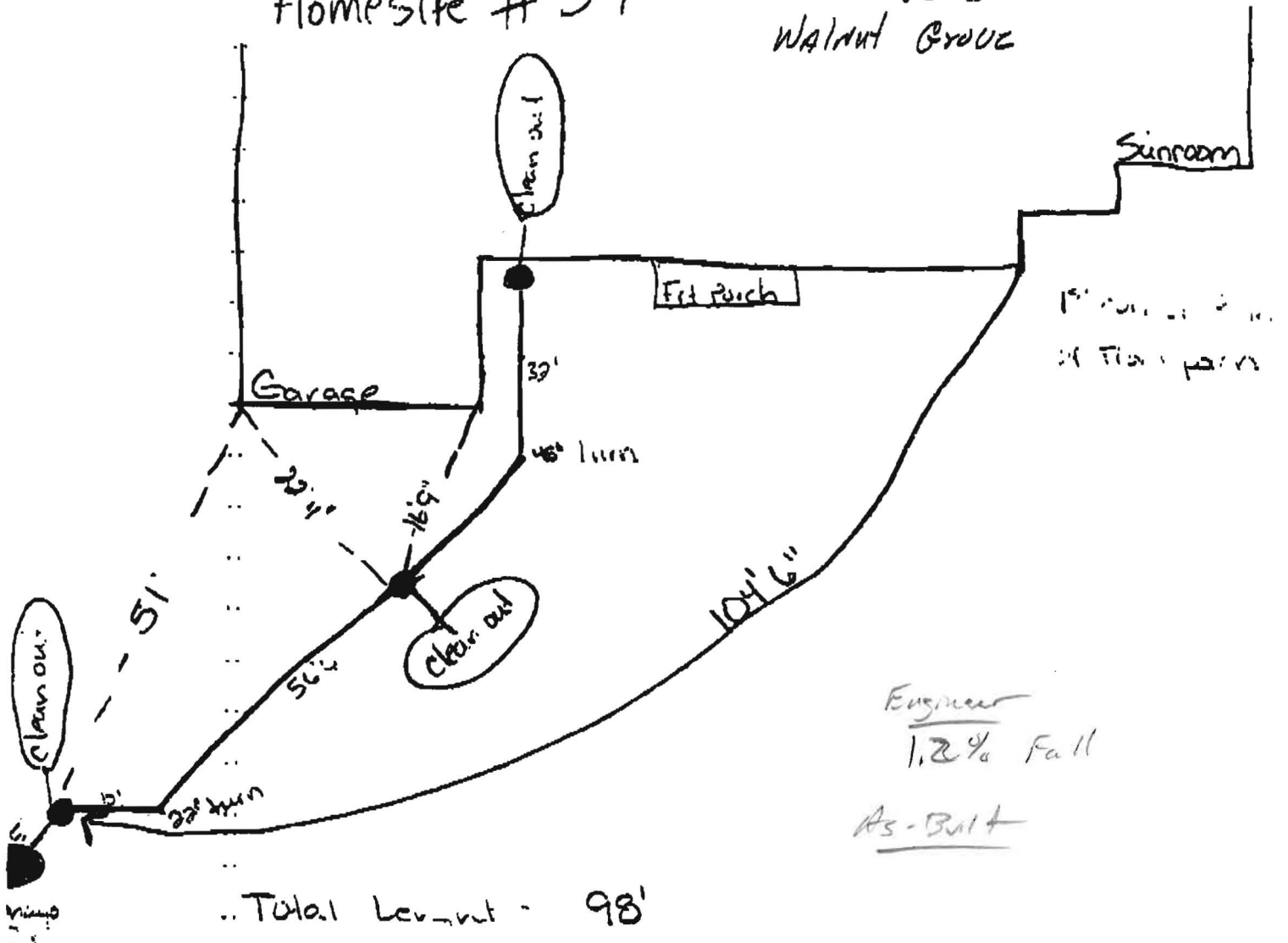
Walnut Grove, Contract 50-4330-D  
NV Homes , Lot #57  
12320 Preakness Circle Ln  
Clarksville, MD 21029

The Sewage Grinder Pump test was successful ; the Bureau of Utilities releases its hold on this property for U&O.

Matt  
410-313-4934 office  
410-978-1320 mobile

Homesite # 57

R+ 108  
Walnut Grove



Total Length - 98'

- .. Hooked To 4" connection at Bottom of Clear-out
- .. Pipe Bedded in gravel
- .. Drive way filled with gravel over pipe