

B 1 0944

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

40-95-0415 fill in this form completely

W523734 please type

Date Received (APA) 11/30/05

OWNER INFORMATION

Land mKTG Consultants INC, 3060 Washington RD, Glenwood MD 21738

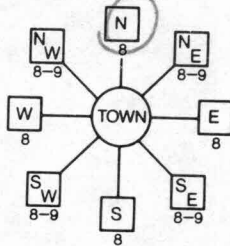
LOCATION OF WELL

Howard COUNTY, Walnut Grove SUBDIVISION, Clarksville NEAREST TOWN, 2 MILES FROM TOWN

DRILLER INFORMATION

Ralph E. Mayne MS D 117, Ralph E. Mayne INC, 17024 Hardy Rd Mt. Airy MD. 21771, 11-20-05

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Holly Creek LA. NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX), DISTANCE FROM ROAD 200 FT, TAX MAP: 28 BLK: 18 PARCEL 74

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 (circled), 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, A517422 COUNTY NO., Brian Baker CO SIGNATURE, 2/16/2006 DATE ISSUED, 3/12/07 EXP. DATE

APPROXIMATE DEPTH OF WELL 150' FEET

APPROXIMATE DIAMETER OF WELL NEAREST 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 (circled), 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)

APPROX. PERMIT NUMBER H02005G006, PERMIT No. 40-95-0415

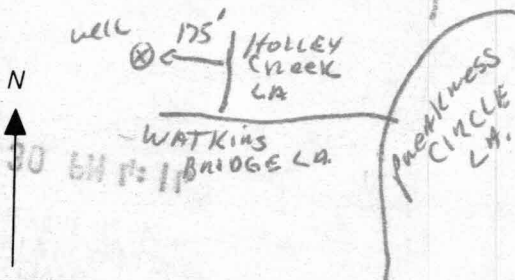
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- Well, WRITE THE BOX NUMBER FROM THE MAP HERE

E 815, N 509

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



SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Revised

**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: WILLOUGHBY PLUMBING Telephone #: 410-781-7051
Address: 6203 PATRICK DRIVE
SPRINGVILLE 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): CHRISTOPHER WILLOUGHBY License# 6992-
*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: GOODIER BUILDERS Telephone #: 410-781-7051
Subdivision: WALNUT GROVE Lot #: lot Well Tag #: HO-95-0415 ✓
Site Address: 5111 HOLLY CREEK LANE
CLARKSVILLE, MD 21029

Submersible Pump Data **Pitless Adapter** **Well Cap and Electric Conduit**
Make: JACUZZI Make: HARVARD Two piece watertight cap:
Model #: _____ Model#: _____ Screened, vented well cap:
Pump Capacity: 6 GPM Depth: 48" (36" min) Cap secured to casing:
Well Yield: 15 GPM NSF/WSC approved: _____ Conduit min 18" B.G.:
Depth of well encountered at time of pump installation: 120 (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, 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

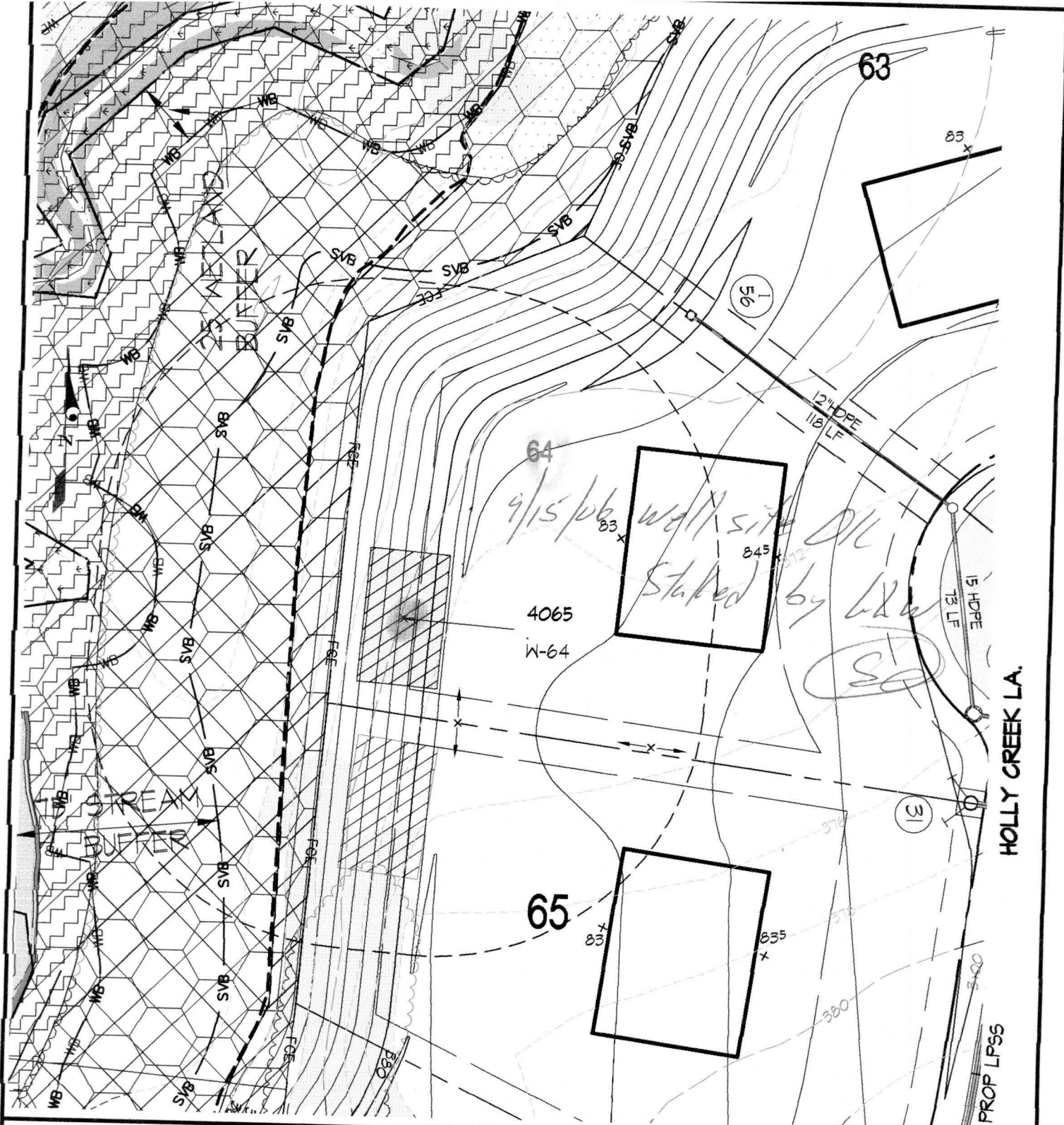
Piping to house **House Connection**
Type: CREST LINE PVC sleeve to undisturbed soil at wall penetration:
PSI: 1" (160 psi min) Length of sleeve (5' minimum from foundation): 6'
Depth of supply line: (36" min) Sleeve sealed properly:




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 Pres date: 10-11-11

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

Date Insp. Requested: _____ Date Insp. Approved: 10/19/11 Inspector: (KW)
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



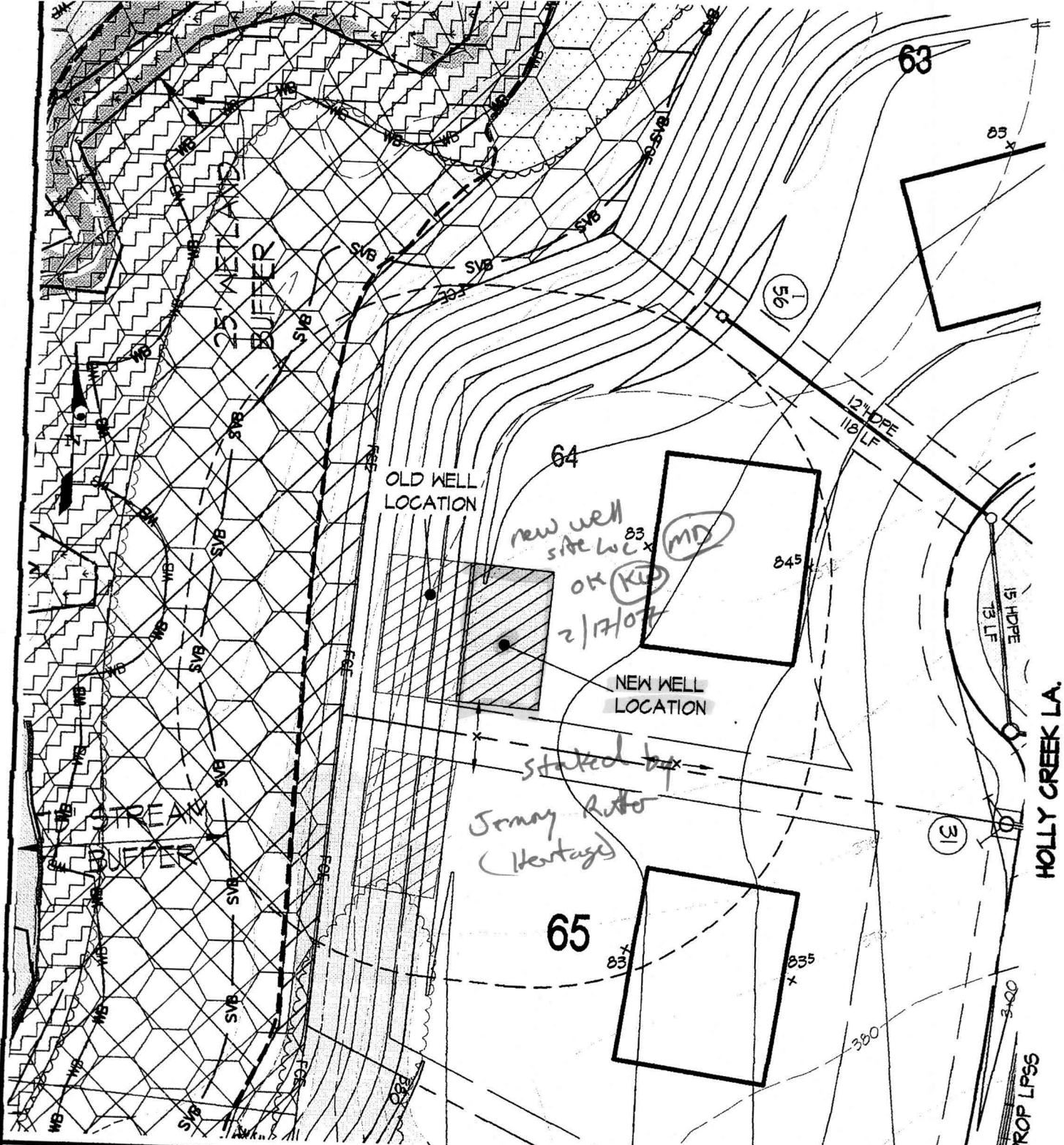
	CONCEPTUAL HOUSE BOX		WELL BOX	4022 W-05		WELL SURVEY POINT	LEGEND
------------------------------------------------------------------------------------	----------------------	-------------------------------------------------------------------------------------	----------	-----------	-------------------------------------------------------------------------------------	-------------------	---------------




WELL LOCATION EXHIBIT - LOT 64

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

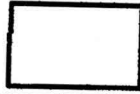
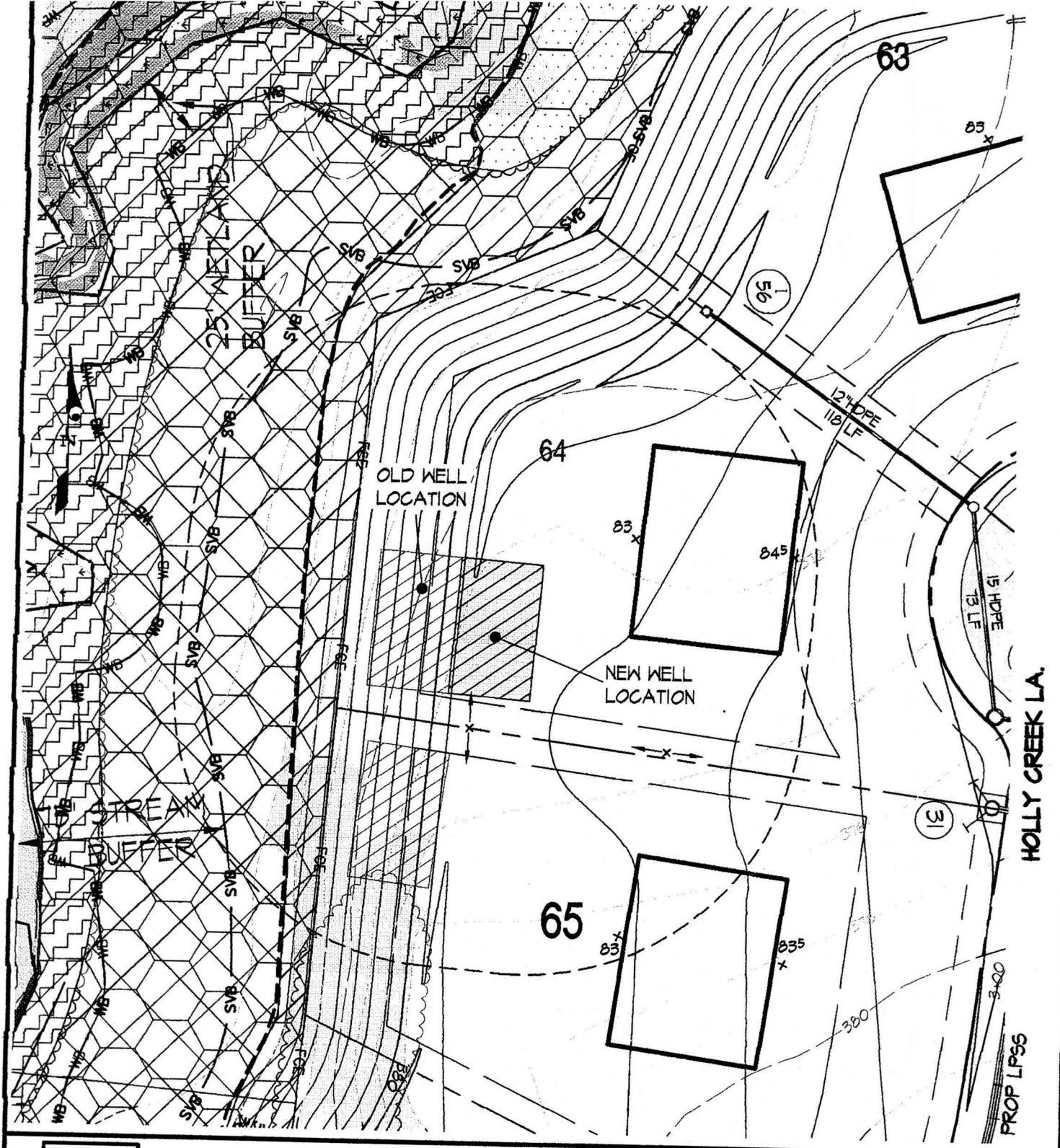


	CONCEPTUAL HOUSE BOX		WELL BOX	4022 W-05	 WELL SURVEY POINT	LEGEND
------------------------------------------------------------------------------------	----------------------	-------------------------------------------------------------------------------------	----------	--------------	-------------------------------------------------------------------------------------------------------	---------------

WELL LOCATION EXHIBIT - LOT 64

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



CONCEPTUAL HOUSE BOX



WELL BOX

4022
W-05

WELL SURVEY POINT

LEGEND

WELL LOCATION EXHIBIT - LOT 64

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

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 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

SCALE: 1"=50'

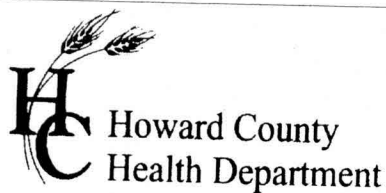
ZONING: RC/RR-DEO

TAX MAP/GRID: 28-18/17

GLW JOB NO: 00153

OCT., 2006

1 OF 1



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

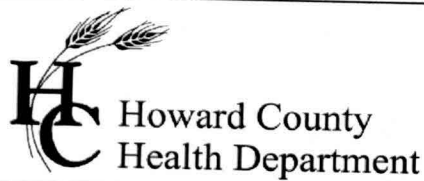
ATTENTION WELL DRILLERS!!!

When submitting a well application for a new or replacement well, please indicate one of the following:

- The well site has been staked by Gutschick, Little & Weber
on 11/10/2005
- _____ will call the Health Department
for a time to meet in the field to verify a well location.
- Site plan for new well is attached to well permit application.

Please attach this sheet when submitting your green application. This should help improve communication allowing a more timely service for our citizens.

KN



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

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – August 13th, 2012

February 13th, 2012

Homeowner
5111 Holly Creek Lane
Clarksville, MD 21029

RE: Walnut Grove, Lot 64
5111 Holly Creek Lane
Building Permit: B11000819
Well Permit: HO-95-0415

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 **1/24/12**. Final approval of the well line connection to the dwelling was granted on **10/19/11**. The well construction was completed on **2/12/07**. Water samples were collected on **1/30/12**.

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.

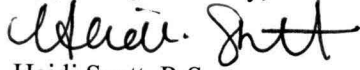
Gross Alpha and Beta samples were also collected on **3/12/07**. Results showed a Gross Alpha level of **0.1 ± 0.6 pCi/L** and **Gross Beta** level of **2.4 ± 0.9 pCi/L**. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the MCL of 50pCi/L. At the time of testing and with respect to these parameters, the well water is safe for all uses.

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-95-0415. 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 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,



Heidi Scott, R.S.
Environmental Sanitarian
Well & Septic Program

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

Goodier Builders
 10705 Charter Drive, Suite 350
 Columbia, Maryland 21044

S/O Number: 84106

Report Date: January 31, 2012

Property Sampled: 5111 Holly Creek Lane, 21029
Sample Location: Pressure Tank Tap
Residual Chlorine: <0.1 mg/L

Building Permit #: B11000819
Sampler ID #: 0765AR
Samples Iced: Yes

County: Howard
Map: 28

Subdivision: Walnut Grove
Parcel: 74

Map: 64

Date/Time Collected in Field: January 30, 2012 @ 11:00 am

Date/Time Received in Lab: January 20, 2012 @ 3:45 pm

Well Tag #: HO-95-0415
Well Condition: 2-Piece Cap, Satisfactory

Water Treatment/Conditioning: Sediment Filter

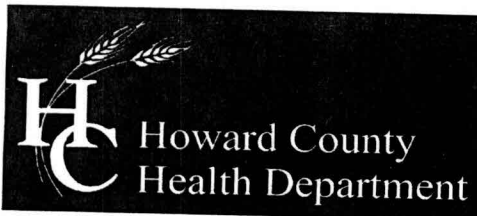
PARAMETER	METHOD	MCL/*SMCL	RESULT	PASS/FAIL
Total Coliform	SM 9223B	Absent	Absent	Pass
E. coli	SM 9223B	Absent	Absent	Pass
Nitrate	SM 4500D	10 mg/L as N	6.7 mg/L as N	Pass
Turbidity	EPA 180.1	10 NTU	<1.0 NTU	Pass
pH	EPA 150.1	*6.5-8.5 Units	7.7 Units	***
Sand		Absent	Absent	Pass

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.

-OK
 2-13-12
 HS

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.



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(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

March 27, 2007

Walnut Grove, LLC
10705 Charter Drive
Suite 320
Columbia, Maryland 21044

RE: Walnut Grove Subdivision, Lot 64
Well Tag: HO - 95 - 0606 0415

To Whom It May Concern:

A sample was collected during a yield test on March 12, 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** (GAGB), measure the total alpha and beta particle activity in a water supply. These naturally occurring radioactive nuclides have been demonstrated to be present in a certain type of geologic formation known as the Baltimore Gneiss which exists in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of 0.1 ± 0.6 picocuries/liter (pCi/L); while the **Gross Beta** level was 2.4 ± 0.9 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 millirem/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 or concerns.

Sincerely,

Bert Nixon, Deputy Director
Bureau of Environmental Health

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

Stuart,
Site Conditions at Walnut Grove have made it difficult to stabilize the drill rig and install casing for the wells on Lots 1 and 64. I have attached two revised 50 scale well maps for your review. I will have the surveyor mark the alternate areas and we will begin drilling upon your acceptance. Please contact me A.S.A.P. at the cell number below.
Thank you.

Jeremy Rutter → Heritage
(410) 982-2882

Dave Sweeney