

C1 5225

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

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER: Fulton Ridge LLC, STREET OR RFD: Scaggsville Road, TOWN: Fulton, SUBDIVISION: Fulton Ridge, SECTION: , LOT: 4

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Overburden, Gray Rock, and water art149'.

NUMBER OF UNSUCCESSFUL WELLS: 109

WELL HYDROFRACTURED: Y

CIRCLE APPROPRIATE LETTER: A, E, P

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 MS D 162

DRILLERS SIGNATURE: (Must match signature on application)

LIC. NO. 1 AW D 766

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

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT, BENTONITE CLAY, NO. OF BAGS: 20, NO. OF POUNDS: 2000, GALLONS OF WATER: 128, DEPTH OF GROUT SEAL: 84 ft.

CASING RECORD: MAIN CASING TYPE: ST, Nominal diameter top (main) casing: 6, Total depth of main casing: 84

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to

SCREEN RECORD: screen type or open hole: ST, BR, HO, PL, OT

DEPTH (nearest ft.): 84, 200

Table with columns: E, A, C, H, S, C, R, E, E, N and rows for casing sections with diameters and depths.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

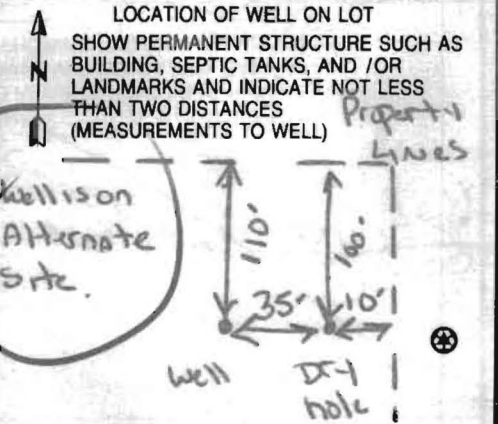
TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED: 3, PUMPING RATE: 15.00, METHOD USED TO MEASURE PUMPING RATE: Submersible, WATER LEVEL: 23 ft. BEFORE PUMPING, 104 ft. WHEN PUMPING, TYPE OF PUMP USED: S (submersible)

PUMP INSTALLED: DRILLER INSTALLED PUMP: YES, 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: 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, - below, LAND SURFACE (nearest foot): 50, 51



B 1 3932

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

110-95-0538

325578 please type

fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13

Fulton Ridge LLC

15 Last Name Owner First Name 34

6339 Ten Oaks Road

36 Street or RFD 55

Clarksville MD 21029

57 Town 70 State 72 Zip 76

DRILLER INFORMATION

Michael D. Isom M S D 162

Driller's Name 76 License No. 81

G. Edgar Harr Sons' Corp.

Firm Name

12047 Falls Road, Cockeysville 21030

Address

9/19/06

Signature Date

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.)

5 750

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

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

APPROXIMATE DEPTH OF WELL 250 FEET

APPROXIMATE DIAMETER OF WELL 4 INCH 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
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) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER 110 2006 G 015

PERMIT No. 110-95-0538

B 3

Howard

LOCATION OF WELL

8 COUNTY 21

Fulton Ridge

23 SUBDIVISION 42

SECTION 44 46 LOT 4 48 50

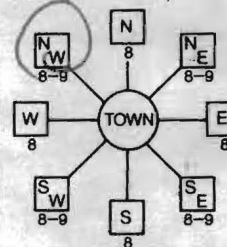
Fulton

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1 M I 73 76 77 78

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Scaggsville Road

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 300 37 DISTANCE FROM ROAD ENTER FT OR MI Ft 38 39

TAX MAP: 41 BLK: 13 PARCEL 2

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A 517 386

COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S

DATE ISSUED 10/16/06 CO SIGNATURE EXP. DATE 10/16/07

NORTH GRID 485 000 EAST GRID 818 000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

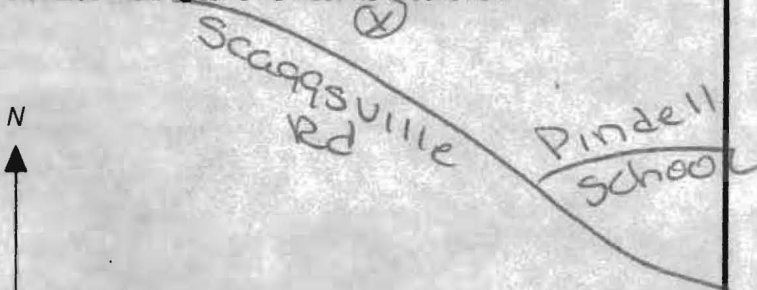
SOURCES OF DRILLING WATER

- 1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 8108
N 4805

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

HARR WELL DRILLING

12047 FALLS ROAD
COCKEYSVILLE, MD 21030
410-252-4588

HOWARD COUNTY YIELD TEST REPORT

Date Test Performed: 11-09-06
Address: Scaggsville Road
Owner Name: Fulton Ridge
Well Depth: 200 Ft

Permit Number: HO-95-0538
Subdivision: Fulton Ridge L#4
Election District:
Static Water Level: 23 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 5gallon bucket	Calculated Flow-Gallons Per Minute
1230	23 ft		20 sec	15.00
1245	79		20	15.00
1300	88		20	15.00
1315	90		20	15.00
1330	96		20	15.00
1345	98		20	15.00
1400	104		20	15.00
1415	104		20	15.00
1430	104		20	15.00
1445	104		20	15.00
1500	104		20	15.00
1515	104		20	15.00
1530	104		20	15.00

**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: Do-it Plumbing & Heating Telephone #: 240.882-0069
Address: 9955 OLD MILL RD
ELLCOTT CITY, MD 21042

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): DVANE GILBERT License# 27899

*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: T R I Telephone #: 410-480-0023
Subdivision: Fulton Ridge Lot #: 4 Well Tag #: HO-95-0538
Site Address: 12123 Fulton Ridge Dr.
Fulton, MD. 20759

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Myecs</u>	Make: <u>American Granby Inc.</u>	Two piece watertight cap: <u>yes</u>
Model #: <u>25T52-12 plus -P4-1</u>	Model#: <u>PT 860</u>	Screened, vented well cap: <u>yes</u>
Pump Capacity <u>05</u> GPM	Depth: <u>yes</u> (36" min)	Cap secured to casing: <u>yes</u>
Well Yield: <u>15</u> GPM	NSF approved: <u>yes</u>	Conduit min 18" B.G.: <u>yes</u>
Depth of well encountered at time of pump installation: <u>200</u> (feet)		Conduit secured to well cap: <u>yes</u>

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 No

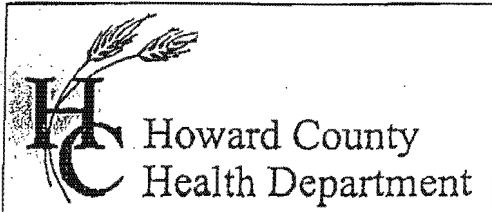
<u>Piping to house</u>	<u>House Connection</u>
Type: <u>Black plastic</u>	PVC sleeved to undisturbed soil at wall penetration: <u>yes</u>
PSI: <u>yes</u> (160 psi min)	Approximate length of sleeve: <u>10 ft.</u>
Depth of supply line: <u>yes</u> (36" min)	Sleeve caulked and sealed properly: <u>yes</u>

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: April 21-02-10

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

Date Insp. Requested: _____ Date Insp. Approved: 1/22/10 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 O.K.



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

ATTENTION WELL DRILLERS!!!

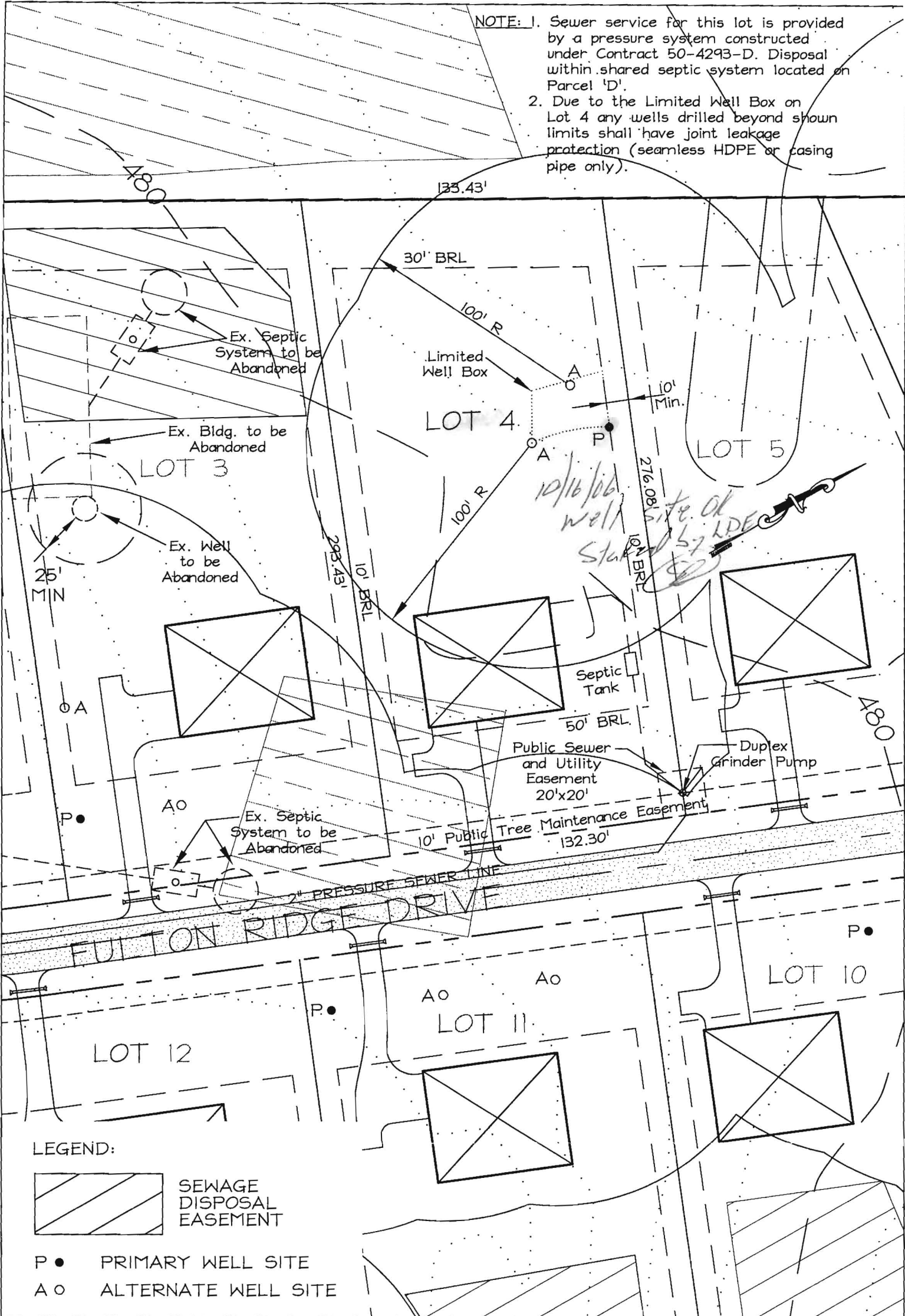
When submitting a well application for a new or replacement well, please indicate one of the following:

- The well site has been staked by LDE, Inc
on 9/22/06 and is ready for site inspection.
- _____ 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

- NOTE: 1. Sewer service for this lot is provided by a pressure system constructed under Contract 50-4293-D. Disposal within shared septic system located on Parcel 'D'.
2. Due to the Limited Well Box on Lot 4 any wells drilled beyond shown limits shall have joint leakage protection (seamless HDPE or casing pipe only).



LEGEND:



SEWAGE DISPOSAL EASEMENT

- P ● PRIMARY WELL SITE
- A ○ ALTERNATE WELL SITE

EXHIBIT FOR WELL PERMIT
FULTON RIDGE
LOT 4

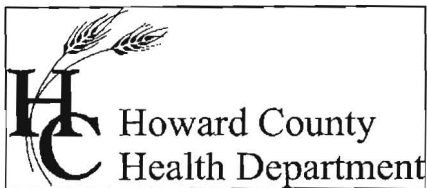
TAX MAP 41 GRID 13 PARCEL 2
5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

LDE INC.

Planning/Engineering/Surveying

9250 Rumsey Road Suite 106/Columbia, Maryland/21045
(410)715-1070 (Balto.)/(301)596-3424(Wash.)/(410)715-9540 FAX

DRAWN BY: G.D.W.	DATE: 9/06/06	SHEET: 4 OF 14
CHECKED BY: B.D.B.	LDE JOB NO: 02-017.4	FILE NO:
SCALE: 1" = 50'		



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

May 10, 2010

Homeowner
12123 Fulton Ridge Drive
Fulton, MD 20759

Emailed to tkeane@trinityhomes.com

RE: Fulton Ridge, Lot 4
12123 Fulton Ridge Drive
BP# B09001790
Well Tag #: HO-95-0538

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 04/29/2010. Final approval of the well line connection to the dwelling was approved on 01/22/2010.**

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 12/04/2006. 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. No additional testing for these parameters will be required to secure the future Use and Occupancy.

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.

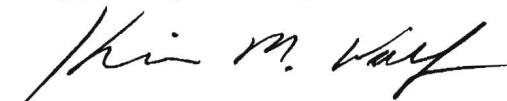
INTERIM CERTIFICATE OF POTABILITY

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-95-0538. 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.**

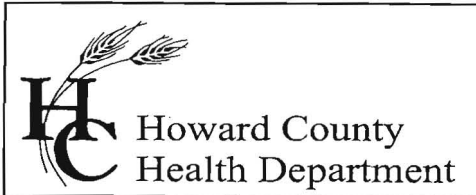
Date of Water Samples: 04/20/2010
Date of Samples for Gross Alpha & Gross Beta: 12/04/2006
Date of Well Completion: 10/20/2006

Approving Authority,



Kevin M. Wolf,
Environmental Sanitarian
Bureau of Environmental Health

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

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

December 27, 2006

Fulton Ridge, LLC.
Attn; Harold Bernardzikowski
6339 Ten Oaks Road
Clarksville Maryland 21029

RE: Fulton Ridge, Lot 4
Well Tag: HO-95-0538

Dear Mr. Bernardzikowski:

A sample was collected from a yield test on December 4, 2006 and submitted to the Department of Health & Mental Hygiene 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 3.0 ± 1.0 picocuries/liter (pCi/L); while the **Gross Beta** level was 4.0 ± 2.0 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



CERTIFICATE OF ANALYSIS

Requester:
 Trinity Homes/TBI Homes
 3675 Park Avenue Suite 301
 Ellicott City, Maryland 21043

S/O Number: 77311
Report Date: April 21, 2010

Property Sampled: 21123 Fulton Ridge Drive, 20759

County: Howard
Subdivision: Fulton Ridge
Lot #: 4
Building Permit #: B09001790
Tax Map #: 41
Parcel #: 506

Date/Time Collected: April 20, 2010 at 11:50 am
Date/Time Received: April 20, 2010 at 2:46 pm

Sample Location: Hose Bib
Sampler ID: 5745KC
Samples Iced: Yes
Residual Cl₂ <0.1 mg/L: Yes

Well Tag Number: HO-95-0538
Well Condition: 2-Piece Cap
 1 Bolt Missing
 Cap Tight

Water Conditioning/Treatment: Undetermined

PARAMETER	RESULT	METHOD	MCL/*SMCL	
Nitrate	5.6 mg/L as N	SM 4500D	10 mg/L as N	Pass
Turbidity	4.0 NTU	EPA 180.1	10 NTU	Pass
pH	6.9 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

Allison R. Milburn
 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.

From: Tom Pickett
To : Hall, Verda
Date : 04/29/10
Subject: Fulton Ridge Shared Septic, Contract 50-4293-D

Lot 4-12123 and Lot13-12114 Fulton Ridge Dr was released by the Bureau of Utilities
for U&O

Tom Pickett
Operations Supervisor 1
Howard County DPW
410-313-4975