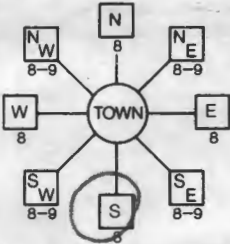
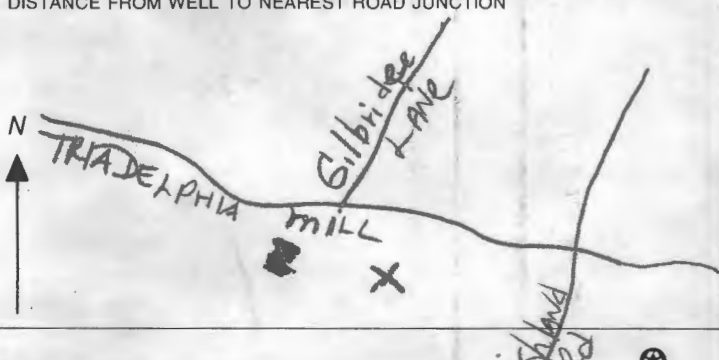




<b>B 1</b> 1 2 3 6 <b>9656</b>	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> <b>521522</b> please type	STATE PERMIT NUMBER <b>HO - 94 - 4039</b> <small>70 fill in this form completely 79</small>
Date Received (APA) <b>10/05/2004</b> <small>8 MM DD YY 13</small>		<b>9868</b> <b>OWNER INFORMATION</b>	
<b>PHILLIPS GREG</b> 15 Last Name Owner First Name 34 <b>10544 JASON LANE</b> 36 Street or RFD 65 <b>COLUMBIA, MD 21044</b> 57 Town 70 State 72 Zip 76		<b>B 3</b> <b>Howard</b> 8 COUNTY 21 23 SUBDIVISION 42 SECTION 44 46 LOT 48 50 <b>P-175</b> <b>Clarksville</b> 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) <u>2</u> M I <small>73 76 77 78</small>	
<b>DRILLER INFORMATION</b> <b>George F. Easterday</b> M WD <b>040</b> Driller's Name 76 License No. 81 <b>L. Franklin Easterday, Inc.</b> Firm Name <b>9265 Brown Church Rd., MT. Airy, Md. 21771</b> Address <i>George F. Easterday</i> <b>10/5/04</b> Signature Date		<b>B 4</b> 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  <b>Triadelphia Mill Rd</b> 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST <input checked="" type="checkbox"/> EAST SOUTH 34 1400 37 DISTANCE FROM ROAD Ft. ENTER FT OR MI 38 39 TAX MAP: <b>34</b> BLK: <b>2</b> PARCEL <b>173</b>	
<b>B 2</b> 1 2 <b>WELL INFORMATION</b> APPROX. PUMPING RATE (GAL. PER MIN.) <u>5</u> <small>8 12</small> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <u>500</u> <small>14 20</small>		<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b> <input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) 22 <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> PUBLIC WATER SUPPLY WELL <input type="checkbox"/> TEST, OBSERVATION, MONITORING <input type="checkbox"/> GEO-THERMAL	
APPROXIMATE DEPTH OF WELL <u>300</u> FEET <small>24 28</small> APPROXIMATE DIAMETER OF WELL <u>6</u> INCH NEAREST INCH		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <b>Howard</b> <b>(13)</b> <b>A520852</b> COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S <u>41</u> DATE ISSUED <b>10/14/2004</b> <b>Brian Baker</b> <b>10/14/2005</b> <small>43 MM DD YY 48</small> CO SIGNATURE EXP. DATE NORTH GRID <b>504</b> 000 EAST GRID <b>004</b> 000 <small>50 55 57 63</small>	
<b>METHOD OF DRILLING (circle one)</b> BORED (or Augered) JETTED Jetted & DRIVEN 20 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) 37 CABLE REVERSE-ROTARY DRIVE-POINT other		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. wells 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E <u>504</u> N <u>504</u> 000 000	
<b>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</b> <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 <u>52</u>		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION <b>13K6</b> 	
Not to be filled in by driller (MDE OR COUNTY USE ONLY)			
APPROP. PERMIT NUMBER <u>G</u> PERMIT No. <b>HO - 94 - 4039</b> <small>70 71 72 73 74 75 76 77 78 79</small>			
<b>SPECIAL CONDITIONS</b> <small>NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED</small>			

10-28-04

Review \_\_\_\_\_

# FIELD DATA SHEET HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-4039  
Location of property (road) Triadelphia Mill Road  
Subdivision Charles Dorsey Lot \_\_\_\_\_ Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
Well Driller Easterday Owner Greg Phillips

Depth of well 700 / 1 GPM  
Distance of measuring point (M.P.) above ground 2 ft  
Static water level (S.W.L.) below M.P. 101 ft

## I. High rate pumping -- reservoir drawdown

Time pump started 8:45 Pumping rate 15 GPM  
Total time 45 min to reach pumping water level 333 ft. below M.P.

## II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 1 gallon bucket	FLOW METER READING (if used) <u>Pump SET</u>	CALCULATED FLOW (gallons per minute)
930 AM	333 ft	60 sec	380 RT	1 GPM
945	333 ft	60 sec		1 GPM
1000	333 ft	60 sec		1 GPM
1015	333 ft	60 sec		1 GPM
1030	333 ft	60 sec		1 GPM
1045	333 ft	60 sec		1 GPM
1100	333 ft	60 sec		1 GPM
1115	333 ft	60 sec		1 GPM
1130	333 ft	60 sec		1 GPM
1145	333 ft	60 sec	380 RT	1 GPM
1200 PM	333 ft	58 sec		1.03 GPM
1215	334 ft	58 sec		1.03 GPM
1230	334 ft	58 sec		1.03 GPM
1245	334 ft	58 sec		1.03 GPM
100	334 ft	58 sec		1.03 GPM
115	334 ft	58 sec		1.03 GPM
130	334 ft	58 sec		1.03 GPM
145	334 ft	58 sec		1.03 GPM
200	334 ft	58 sec		1.03 GPM
215	334 ft	58 sec		1.03 GPM
230	334 ft	58 sec		1.03 GPM
245	334 ft	58 sec		1.03 GPM
300	334 ft	58 sec		1.03 GPM
315	334 ft	58 sec		1.03 GPM
HD-224 330	334 ft	58 sec	380 RT	1.03 GPM

Well Permit No. HO - 94-4039  
Location of property (road) Triadelphia Mill Road  
Subdivision Charles Dorsey Lot      Block      Plat      Sec.       
Well Driller Easterday Owner Greg Phillips

Depth of well \_\_\_\_\_  
Distance of measuring point (M.P.) above ground \_\_\_\_\_  
Static water level (S.W.L.) below M.P. \_\_\_\_\_

Time pump started \_\_\_\_\_ Pumping rate \_\_\_\_\_  
Total time \_\_\_\_\_ to reach pumping water level \_\_\_\_\_ ft. below M.P.

[illegible]

**INTERIM CERTIFICATE OF POTABILITY**

**Expiration Date – JULY 3, 2019**

January 3, 2019

Homeowner  
13571 Triadelphia Mill Road  
Clarksville, MD 21029

**RE: Charles Dorsey Property, P. 173**  
**13574 Triadelphia Mill Road**  
**Building Permit: B17003339**  
**Well Permit: HO-94-4039**

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 **8/31/2018**. Final approval of the well line connection to the dwelling was granted on **1/2/2019**. The well construction was completed on **10/28/2004**. Water samples were collected on **5/29/2018, 7/17/2018, 12/11/2018, 1/2/2019**.

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. 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-94-4039. 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 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>



Bureau of Environmental Health  
8930 Stanford Blvd | Columbia, MD 21045  
410.313.2640 - Voice/Relay  
410.313.2648 - Fax  
1.866.313.6300 - Toll Free

---

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

In closing, please refer to our "Homeowner Fact Sheet" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,

Kevin M. Wolf, LEHS, R.S./REHS, Supervisor  
Groundwater Management Section  
Well & Septic Program

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

**FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.**

1413 Old Farm town Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

**REPORT OF ANALYSIS**

Laboratory ID #: 122151 Account #: 3690  
Reference: Rylea Homes Company: Rylea Homes  
Location: 511 Triadelphia Mill Road  
Hampsville, MD 21029 Requested By: Jim Ryan  
Source: Well Water  
Date/Time Collected: 5/29/2018 1116 Site: Pressure Tank  
Date/Time Received: 5/30/2018 1356 Treatment: None  
Chlorine Residual: 0.5 mg/L Total: ND pH: 7.6  
Colony Count: 4269RO Well #: HO-94-4039

PARAMETER	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	>200.5	MPN/ 100 ml	<1.0	SM20 9223	5/30/2018 / 0900 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	5/30/2018 / 0900 / CRS
Nitrate	<1.0	mg/L	10	601	5/29/2018 / 1445 / CRS
Turbidity	3.97	NTU	<10	SM20 2130B	5/29/2018 / 1520 / RER
Sand	NS	mg/L	5	Visual/Gravimetric	5/29/2018 / 1520 / RER

**NOTES**

- 1 mg/L = 1 milligram per liter (also, parts per million)
  - 2 MPN = Most Probable Number [of viable bacteria] per 100 ml of sample.
  - 3 ND = Not Detected (indicates less than 5 mg/L)
  - 4 NTU = Nephelometric Turbidity Units
  - 5 Results in the reference range are considered satisfactory and within potable water limits at the time of testing.
  - 6
  - 7 Sample container: sealed, vented cap
  - 8 pH corrected level tested on site
- Reason for Test: Use & Occupancy  
Billing Permit #: B 7003339

Date Reported:

**FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.**

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

**REPORT OF ANALYSIS**

Laboratory ID #:	123414	Account #:	3690
Reference:	Rylea Homes	Company:	Rylea Homes
Location:	13571 Triadelphia Mill Road	Requested By:	Jim Ryan
	Clarksville, MD 21029	Source:	Well Water
Date/ Time Collected:	7/17/2018 1214	Site:	Pressure Tank
Date/Time Rec'd:	7/17/2018 1400	Treatment:	None
Chlorine ppm:	Free: ND Total: ND	pH:	7.6
Collected By:	G. Lana 3799GL	Well #:	HO-94-4039

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	>200.5	MPN/ 100 ml	<1.0	SM20 9223	7/18/2018 / 1040 / RER
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	7/18/2018 / 1040 / RER

**NOTES**

- 1 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 3 ND:None Detected
- 4 Visual well check: Sealed, vented cap
- 5 pH & Chlorine level tested on site

Reason for Test : Use &amp; Occupancy

Building Permit # : B17003339

Date Reported: 7/18/2018

**FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.**

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

**REPORT OF ANALYSIS**

Laboratory ID #:	127273	Account #:	3690
Reference:	Rylea Homes	Company:	Rylea Homes
Location:	13571 Triadelphia Mill Road	Requested By:	Jim Ryan
	Clarksville, MD 21029	Source:	Well Water
Date/ Time Collected:	12/11/2018 1344	Site:	Kitchen Sink Tap
Date/Time Rec'd:	12/11/2018 1518	Treatment:	Sediment Filter/**
Chlorine ppm:	Free: ND Total: ND	pH:	8.4
Collected By:	J. Yeager 6176JY	Well #:	HO-94-4039

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	12.4	MPN/ 100 ml	<1.0	SM20 9223B	12/12/2018 / 1000 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	12/12/2018 / 1000 / CRS

**NOTES**

- 1 \*\*UV Light disconnected at time of sample collection
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 4 ND = None Detected
- 5 Visual well check: Sealed, vented cap
- 6 pH & Chlorine level tested on site

Reason for Test : Use & Occupancy  
Building Permit # : B17003339

Date Reported: 12/12/2018

**FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.**

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

**REPORT OF ANALYSIS**

Laboratory ID #:	127658	Account #:	3690
Reference:	Rylea Homes	Company:	Rylea Homes
Location:	13571 Triadelphia Mill Road	Requested By:	Jim Ryan
	Clarksville, MD 21029	Source:	Well Water
Date/ Time Collected:	1/2/2019 1045	Site:	Kitchen Sink Tap
Date/Time Rec'd:	1/2/2019 1430	Treatment:	Sediment Filter/UV Light**
Chlorine ppm:	Free: ND Total: ND	pH:	8.3
Collected By:	J. Yeager 6176JY	Well #:	HO-94-4039

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/3/2019 / 0930 / RER
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/3/2019 / 0930 / RER

**NOTES**

- 1 \*\*UV Light disconnected at time of sample collection
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 4 ND = None Detected
- 5 Visual well check: Sealed, vented cap
- 6 pH & Chlorine level tested on site

Reason for Test : Use &amp; Occupancy

Building Permit # : B17003339

Date Reported: 1/3/2019

## Wolf, Kevin

---

**From:** Wolf, Kevin  
**Sent:** Friday, December 14, 2018 5:14 PM  
**To:** 'JAMES RYAN'  
**Subject:** RE: 13571 Triadelphia Mill Road water test results with failing Coliform bacteria

Cheryl,  
I spoke with the well driller in length. He explained to me that the well needs to be flushed out completely possibly several attempts. Mr. Greer told me that well cap was not on the well head and looked to be that way for several month. He also went to tell me that there was a lot of debris (i.e. leaves, mud, silt, etc...) that was inside the well column. There is no reason why this should be this way. Standard re-chlorination may be all you need after this flush out is complete. No deviation will be given and you may have the homeowners call me directly with questions and concerns as I would be happy to explain this.

Thanks,

Kevin M. Wolf, LEHS, REHS/RS  
Groundwater Mgmt. Sec. Supervisor  
Well & Septic Program  
Bureau of Environmental Health  
8930 Stanford Blvd.  
Columbia, MD 21045  
(o) 410-313-2645  
(f) 410-313-2648



[kwolf@howardcountymd.gov](mailto:kwolf@howardcountymd.gov)

### CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

---

**From:** JAMES RYAN [mailto:ryleahomes@msn.com]  
**Sent:** Friday, December 14, 2018 10:22 AM  
**To:** Wolf, Kevin  
**Subject:** Re: 13571 Triadelphia Mill Road water test results with failing Coliform bacteria

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Kevin -

## Wolf, Kevin

---

**From:** Wolf, Kevin  
**Sent:** Friday, December 14, 2018 10:04 AM  
**To:** 'JAMES RYAN'  
**Subject:** RE: 13571 Triadelphia Mill Road water test results with failing Coliform bacteria

Cheryl,  
After review of the submitted information, we feel the well was not chlorinated correctly per the regulations. It states very clearly:

E. Disinfection Procedure for Wells That Do Not Respond to the Standard Procedure.

(1) If, after testing, the well cannot meet the bacteriological standard of this chapter, it shall be chlorinated as in ~~4~~ of this regulation.

(2) If the well remains unresponsive after repeating the standard disinfection procedure per this section, a volume of water chlorinated to a concentration of 100 mg/l and at least two times the volume of chlorinated, standing water in the well, but not less than 50 gallons, shall be introduced into the well in order to completely displace the volume of chlorinated, standing water and force it out into the water bearing formation.

F. If bacteriological contamination persists after repeated disinfection, the Approving Authority may require the well to be abandoned and sealed in accordance with this chapter.

At this point, you must re-chlorinate the well per what the regulations state. Make sure there is chlorinated water in the well prior to introducing separate volume of disinfected water 2x the volume. Done correctly, this will force the chlorinated water into the fractures. The report from the driller says they pumped the well out. We do not want to pump the water out of the well prior to introducing the new disinfected water. Please forward this along to the well driller.

Kevin

---

**From:** JAMES RYAN [<mailto:ryleahomes@msn.com>]  
**Sent:** Wednesday, December 12, 2018 3:15 PM  
**To:** Wolf, Kevin  
**Subject:** Fwd: 13571 Triadelphia Mill Road water test results with failing Coliform bacteria

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Kevin -

Attached are the water test results.

I am waiting for an email from John Greer on what he used to ultra chlorinate this well and I will send that when it comes in.

Thank you.

Cheryl Ryan  
Rylea homes  
Get Outlook for iOS

---

**From:** ccholland <ccholland@fval.com>

**Sent:** Wednesday, December 12, 2018 3:09 PM

**To:** 'JAMES RYAN'

**Subject:** 13571 Triadelphia Mill Road water test results with failing Coliform bacteria

PHONE: 920-2508

## H.J. GREER & SONS DRILLING CO., INC.

*Complete Water Systems and Water Conditioning Equipment*

RESIDENTIAL — COMMERCIAL — INDUSTRIAL

P.O. DRAWER A

GAMBRILLS, MARYLAND 21054



December 13, 2018

Ref: 13571 Triadelphia Road  
Clarksville, MD 21029

To whom it may concern,

The well at the aforementioned address was serviced as follows:

The well was pumped out.

Flushed leaves out of the well. This was do to a well cap not being installed.

200 Gallons of Sodium Dichlorotriazine Mix. 100 PPM (Parts per Million)  
pumped into well.

Installation of well cap.

Ran water into hose bibs.

Sincerely,

John Greer  
License # MSD 086

A handwritten signature in dark ink, appearing to be 'JG' or 'John Greer', written over a horizontal line.

Volume in well  
1.- chloroxide that  
water - then add  
2x volume  
2.- pump at - then  
add 3x volume

## Wolf, Kevin

---

**From:** Wolf, Kevin  
**Sent:** Wednesday, November 28, 2018 4:51 PM  
**To:** 'ryleahomes@msn.com'  
**Subject:** 13571 Triadelphia Mill Road

Cheryl,  
As I discussed earlier, from the looks of the water analysis reports submitted, the first two reports showed total coliform >200. This tells me the sample location has been compromised and the system needs another proper disinfection. Now since you are pressed for time, you may want to think about a "super" chlorination based on the sections referenced in COMAR. See the highlighted yellow section below. This section states:

26.04.04.24

### **.24 Disinfection of Wells and Water Supply Systems.**

A. Upon completion of well construction activities, the permittee shall disinfect a water supply well in accordance with this regulation.

B. Whenever any work is done on the well after disinfection of the well by the well driller, the person doing the work shall be responsible for disinfection of the well and water supply system in accordance with this regulation.

C. Material. Tablets or dry granular material may not be used as the only chlorination material. The materials, which may be used for disinfection, are:

- (1) Calcium hypochlorite,
- (2) Sodium dichloro-triazine dehydrate; or
- (3) Sodium hypochlorite.

D. Standard Disinfection Procedure.

(1) The chlorine shall be placed in the well in quantities that will produce a concentration of at least 100 mg/l chlorine. The amount required to obtain this concentration will depend on the casing diameter and the amount of water in the well.

(2) The well shall be chlorinated using all of the following sequential steps:

(a) Chlorine tablets or granular chlorine shall be dropped in the top of the well and allowed to settle to the bottom, or a prepared 10 gallon chlorine solution, with a chlorine concentration of at least 100 mg/l, but not more than 500 mg/l, shall be placed in the bottom of the well by pumping or gravity through a tremie pipe, drill rod, hose, or other approved method.

(b) A chlorine solution of at least 10 gallons and producing a concentration of at least 100 mg/l, but not more than 500 mg/l, in the well shall be introduced (poured) into the top of the well. All surfaces above the static level shall be washed with this solution.

(c) After the solution has been placed in the well, the water shall be agitated to thoroughly disperse the solution. Agitation may be accomplished by turning the pump on and off, or if no pump is available, by using a bailer, a swab, a plunger, air, or other approved method.

(d) If the well has been connected to the pressure tank and distribution system, a small amount of the chlorinated water shall then be pumped through the system to thoroughly disinfect the system.

(e) The well shall be allowed to stand without further agitation for at least 12 hours.

(f) If a residual of at least 5 mg/l chlorine remains in the water after 12 hours, the well shall then be pumped to waste until the odor and taste of chlorine is no longer detectable. If less than 5 mg/l free residual chlorine is found in the water after 12 hours, the disinfection procedure shall be repeated.

(3) Chlorinated water and water pumped during the flushing of the well during the disinfection procedure may not be discharged:

(a) To an on-site sewage disposal system; or

(b) Directly to surface waters of the State.

E. Disinfection Procedure for Wells That Do Not Respond to the Standard Procedure.

(1) If, after testing, the well cannot meet the bacteriological standard of this chapter, it shall be chlorinated as in §D of this regulation.

(2) If the well remains unresponsive after repeating the standard disinfection procedure per this section, a volume of water chlorinated to a concentration of 100 mg/l and at least two times the volume of chlorinated, standing water in the well, but not less than 50 gallons, shall be introduced into the well in order to completely displace the volume of chlorinated, standing water and force it out into the water bearing formation.

F. If bacteriological contamination persists after repeated disinfection, the Approving Authority may require the well to be abandoned and sealed in accordance with this chapter.

Thanks,

Kevin M. Wolf, LEHS, REHS/RS  
Groundwater Mgmt. Sec. Supervisor  
Well & Septic Program  
Bureau of Environmental Health  
8930 Stanford Blvd.  
Columbia, MD 21045  
(o) 410-313-2645  
(f) 410-313-2648



[kwolf@howardcountymd.gov](mailto:kwolf@howardcountymd.gov)

#### CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

**FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.**

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

**REPORT OF ANALYSIS**

Laboratory ID #: 123791 Account #: 3690  
Reference: Rylea Homes Company: Rylea Homes  
Location: 13571 Triadelphia Mill Road Requested By: Jim Ryan  
Clarksville, MD 21029 Source: Well Water  
Date/ Time Collected: 8/1/2018 1325 Site: Laundry Room Utility Tap  
Date/Time Rec'd: 8/1/2018 1505 Treatment: Sediment Filter/UV Light  
Chlorine ppm: Free: ND Total: ND pH: 7.3  
Collector: J. Ryan Well #: HO-94-4039

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	8/2/2018 / 1015 / RER
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	8/2/2018 / 1015 / RER

**NOTES**

- 1 MPN/ 100 ml Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 3 Chlorine: none Detected
- 4 Sample collected in a clean, vented cap
- 5 pH: 7.3, level tested on site

Reason for Test: Fire &amp; Occupancy

Building Permit #: B17003339

Date Reported: 8/1/18

439 East Main Street  
Westminster, MD 21157-5539



(410) 848-1790 • (301) 662-1799  
Fax (410) 848-1791

November 15, 2017

Howard County Health Department  
8930 Stanford Blvd  
Columbia, MD 21045

Attn: Mr. Hank Oswald  
Environmental Sanitarian

RE: 13571 Triadelphia Mill Rd, Charles Dorsey Property  
CLSI Job No.: 2005004

Dear Mr. Oswald,

We offer the following responses to your comment letter dated September 25, 2017:

1. Two alternative well locations have been shown, per our meeting and phone conversation.
2. The trenches have been revised to show a 10-foot separation between trenches.
3. The owner / client has chosen not to install the system for 5 bedroom.

We believe these revisions will adequately address your concerns. Should you have any questions or concerns, please feel free to contact our office.

Sincerely,

A handwritten signature in cursive script, appearing to read "Linda Alexander".

Linda Alexander  
Associate/ Project Manager

Cc: File

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Thursday, October 26, 2017 2:48 PM  
**To:** 'Linda D. Alexander'  
**Subject:** RE: OSDS\_13571 Triadelphia Road

Hi Linda - If it's a lot of record before 1972, then you don't need 10k. You could cut off a portion of the SDA and move the house and septic components forward to fit a 3<sup>rd</sup> well site in between the two showing on this plan (preferably 50 feet apart). **The existing well only had a yield of 1 gpm so we definitely want to see a 3rd well site.** If the SDA is revised, then the perc cert will need to be revised.

Hank

---

**From:** Linda D. Alexander [<mailto:laalexander@clsimail.com>]  
**Sent:** Wednesday, October 25, 2017 2:59 PM  
**To:** Oswald, Hank  
**Subject:** FW: OSDS\_13571 Triadelphia Road

Hi Hank,

I have a question regarding showing two alternative wells. First I have attached the perc certification plan for this lot which shows only one well location. Also this lot was issue a building permit under no. B07000307 at one point. This lot has existed since the 1881. This is why that we only showed the existing well and one replacement well. I am not sure that there is room for a second replacement well.

Regards,

*Linda D. Alexander*

Associate / Senior Project Manager

**CLSI**

439 East Main Street, Westminster, MD. 21157  
[laalexander@clsimail.com](mailto:laalexander@clsimail.com)  
direct: 410-871-4475  
cell: 443-375-9903

---

**From:** Oswald, Hank [<mailto:hoswald@howardcountymd.gov>]  
**Sent:** Monday, September 25, 2017 9:12 AM  
**To:** Linda D. Alexander <[laalexander@clsimail.com](mailto:laalexander@clsimail.com)>  
**Subject:** OSDS\_13571 Triadelphia Road

Hi Linda:

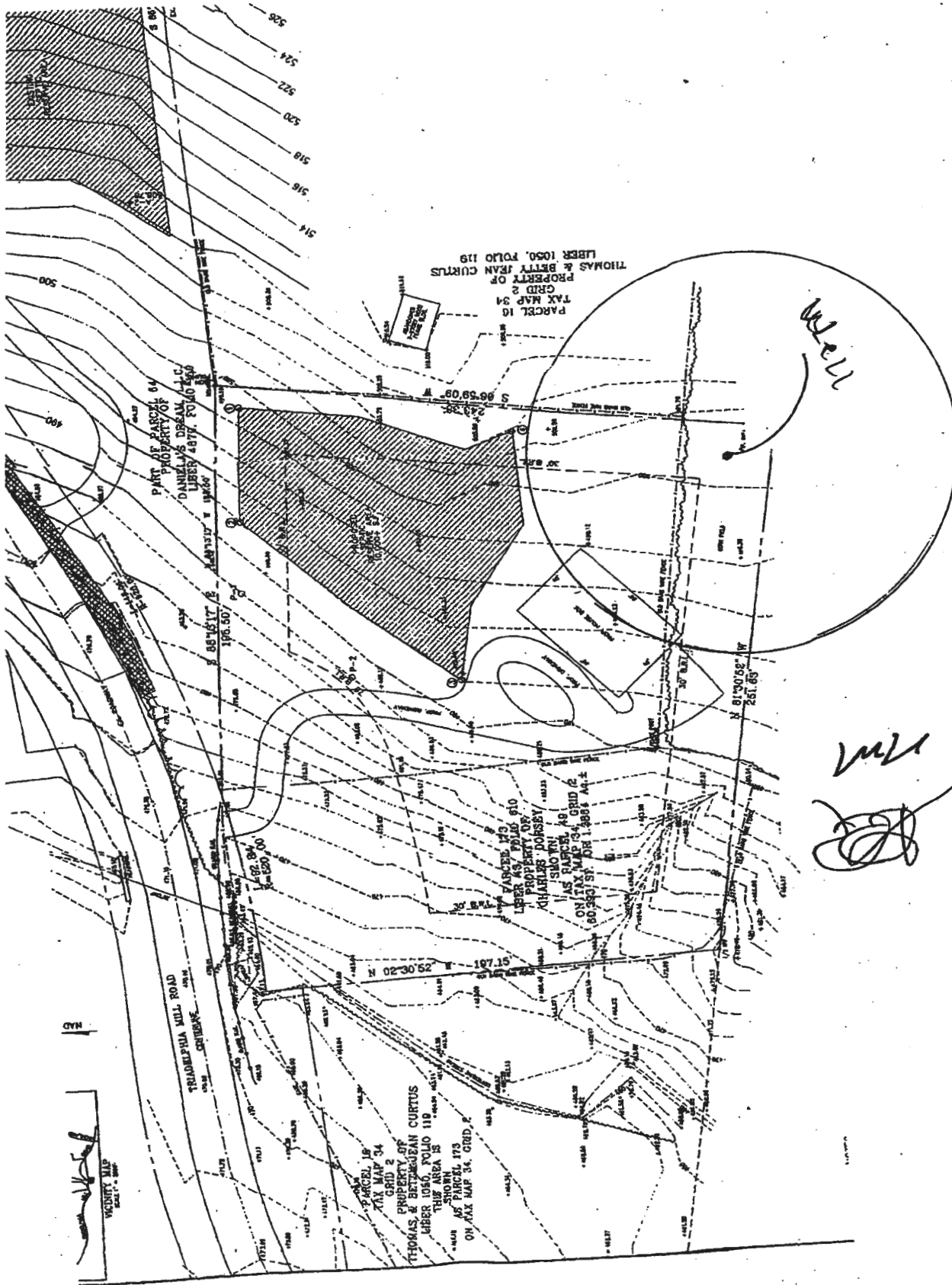
Good morning. Please see attachment for comments pertaining to OSDS Plan for 13571 Triadelphia Road.

Should you have any questions or concerns, please don't hesitate to contact me.

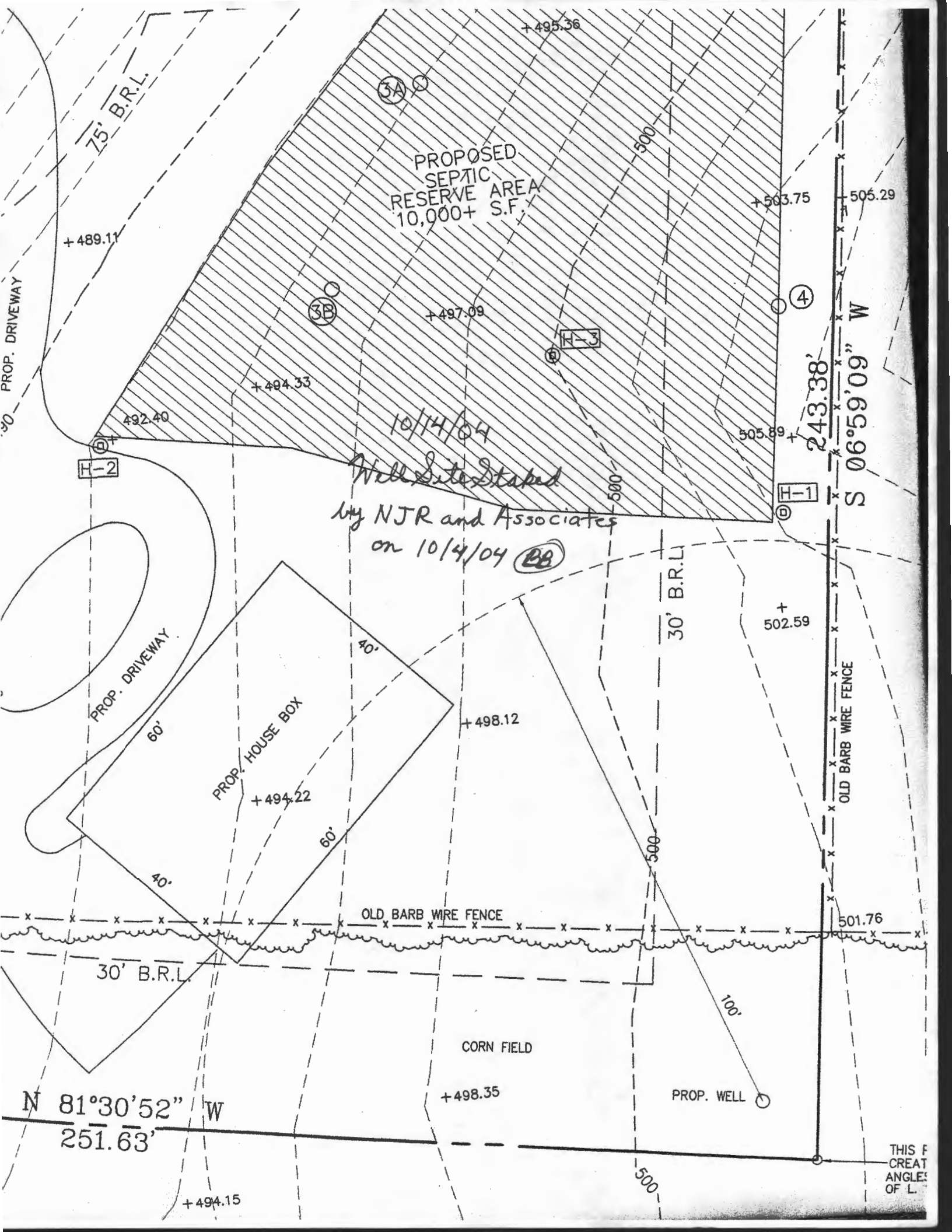
Respectfully,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
410.313.2648 (Fax)



Parcel 17  
lost map 2d



PROPOSED  
SEPTIC  
RESERVE AREA  
10,000+ S.F.

10/14/04

Well Sites Staked  
by NJR and Associates  
on 10/4/04 (BB)

243.38'

S 06°59'09" W

N 81°30'52" W  
251.63'

THIS F  
CREAT  
ANGLES  
OF L



Greg Phillips has Achieved Over \$195 Million in Career Sales  
Allow the Phillips Team to Put Their Experience to Work For You  
[www.ThePhillipsRealtyGroup.com](http://www.ThePhillipsRealtyGroup.com)

August 31, 2004

Howard County Health Department  
3525-H Ellicott Mills Drive  
Ellicott City, Maryland 21030

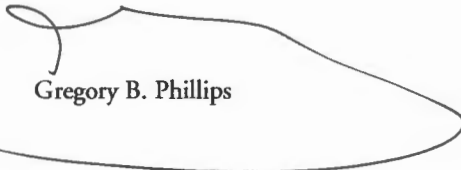
Regarding: THALER ESTATES F-00-59 RELIEF FROM REQUIREMENT TO DRILL  
REMAINING WELLS

Dear Health Officer,

The owner of parcel 173 has instructed me to submit the attached application for a Septic Reserve area for Parcel 173 tax map 34 located in Howard County Maryland. In anticipation of this submission please find attached preliminary test results conducted by our consultant Mark Rifkin previously of your office. Mark has informed us that his work can only act to provide information and can not be considered independently for an approval. With that in mind we now feel that the attached plan exceeds the standard necessary for approval and we look forward to working with you as soon as arrangements can be made for your review of our project.

Please feel free to contact me If you have any further questions by calling 410.977.0864. Thank you in advance for your immediate attention to this matter.

Respectfully,



Gregory B. Phillips

