

DRILLER: COMPLETE THIS APPLICATION AND RETURN ALL PARTS OF THIS FORM INTACT TO THE ENVIRONMENTAL AGENCY IN THE COUNTY IN WHICH THE WELL IS TO BE DRILLED. PRESS FIRMLY FOR FOURTH COPY.

03-298264

EMERGENCY/TEMP NO. IF ANY

B 1	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND	STATE PERMIT NUMBER
	57814	APPLICATION FOR PERMIT TO DRILL WELL 561500 please type	10-17-0177 fill in this form completely

Date Received (ADA) 08/18/17

OWNER INFORMATION

8 MM DD YY 13
Sejmenovic Edin + Adeviija
15 Last Name Owner First Name
12934 Folly Quarter Road
36 Street or RFD 55
Ellicott City MD 21042
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

8 COUNTY 21
Howard
23 SUBDIVISION 42
SECTION 44 46 LOT 48 50
Ellicott City
52 NEAREST TOWN 71

DRILLER INFORMATION

C John Hess MWo 553
Driller's Name 76 License No. 81
Dined Environmental Svcs
Firm Name
PO Box 129 Annapolis Junction MD 20701
Address
C John Hess 08/14/17
Signature Date

B 4 SOURCES OF DRILLING WATER

1 Public
2
3 9/19/17
420 dm - hole
- 25' casing
at 2017 - Hole 2
~ 370' deep casing

12934 Folly Quarter Rd
11 STREET ADDRESS 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH
WEST SOUTH EAST
34 1100 37
DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39
TAX MAP: 0022 BLK: 16 PARCEL 0173

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 10
8 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 1,000
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
 OPEN LOOP GEOTHERMAL
 CLOSED LOOP GEOTHERMAL

9/21/17
Hole 2 600' - dm
Hole 3 ~ 340' and drilling

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

to 50 380 23 casing
HOWARD
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 09/18/17
43 MM DD YY 48 CO SIGNATURE EXP. DATE 09/18/18
Den: 09/19/17

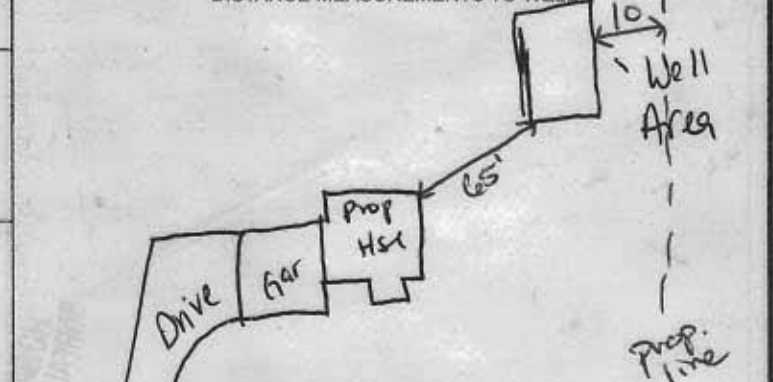
APPROXIMATE DEPTH OF WELL 350 dm FEET
24 28

PROPOSED LOCATION OF WELL ON LOT
SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL

APPROXIMATE DIAMETER OF WELL 6 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)

APPROP. PERMIT NUMBER _____ G _____
PERMIT No. 10-17-0177
10 11 12 13 14 15 16 17 18 19

Pursuant to § 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State Law.

Date: 10/26/2017

Review:

FIELD DATA SHEET HYDROGEOLOGIC AREA (3) WELL YIELD TEST

Maryland Well Permit No. N/A Election District: _____
 Location of Property (road): 12934 Folly Quarter Road Ellicott City, MD
 Subdivision: Lot: _____ Block: _____ Plat: _____ Sec: _____

Well Driller: N/A Owner: Edin Sejmenovia
 Depth of Well: 62.8' ground level
 Distance of Measuring Point (M.P.) above ground: 0
 Static Water Level (S.W.L.) below M.P.: 15

I. High Rate Pumping - reservoir drawdown
 Time pump started: 10:15 Pumping Rate: 20 GPM
 Total time 10 mins. to reach pumping water level 49 ft. below M.P.

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

Time	Water Level Below M.P.	Pumping Rate Time to fill 1 gal. bucket	Flow Meter Reading (if used)	Calculated Flow (gallons per min)
10:15 AM	15'	3 sec.	1 gal bucket	20 GPM
10:30 AM	49'	8 sec.	1 gal bucket	7.5 GPM
10:45 AM	49'	8 sec.	1 gal bucket	7.5 GPM
11:00 AM	49'	8 sec.	1 gal bucket	7.5 GPM
11:15 AM	49'	8 sec.	1 gal bucket	7.5 GPM
11:30 AM	49'	8 sec.	1 gal bucket	7.5 GPM
11:45 AM	49'	8 sec.	1 gal bucket	7.5 GPM
12:00 PM	49'	8 sec.	1 gal bucket	7.5 GPM
12:15 PM	49'	8 sec.	1 gal bucket	7.5 GPM
12:30 PM	49'	8 sec.	1 gal bucket	7.5 GPM
12:45 PM	49'	8 sec.	1 gal bucket	7.5 GPM
1:00 PM	49'	8 sec.	1 gal bucket	7.5 GPM
1:15 PM	49'	8 sec.	1 gal bucket	7.5 GPM
1:30 PM	49'	8 sec.	1 gal bucket	7.5 GPM

Notes: Top of casing 5' below ground level.

**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: All Around plumbing Telephone #: 301-829-6745
Address: P.O. Box 3596
Fredericks, MD 21705

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

Name (Print): Michael Fleming License# 24834

*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: Sejmenovic Telephone #: 443-545-4988
Subdivision: _____ Lot #: _____ Well Tag #: HO - -
Site Address: _____

Tag less
1/26/18 ⊕

Submersible Pump Data

Make: Goulds
Model #: 7G507422C
Pump Capacity 7 GPM
Well Yield: _____ GPM

Pitless Adapter

Make: Martion
Model#: B-10X
Depth: 40" (36" min)
NSF/WSC approved: _____

Well Cap and Electric Conduit

Two piece watertight cap: _____
Screened, vented well cap:
Cap secured to casing:
Conduit min 18" B.G.:
Conduit secured to well cap:

Depth of well encountered at time of pump installation: _____ (feet)
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

Type: Poly
PSI: 200 (160 psi min)
Depth of supply line: 40" (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration:
Length of sleeve (5' minimum from foundation):
Sleeve sealed properly:

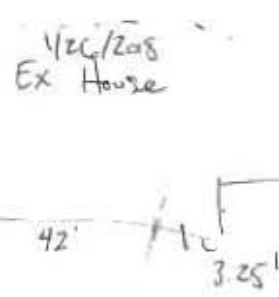
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: [Signature] date: 01-26-2018

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

Date Insp. Requested: 1/26/2018 Date Insp. Approved: 1/29/2018 Inspector: [Signature]

- 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



17" 1/26/2018 ⊕
1/29/2018 ⊕

1/26/2018 ⊕
Sleeve 24"

INTERIM CERTIFICATE OF POTABILITY
Expiration Date – AUGUST 26, 2018

February 26, 2018

Homeowner
12934 Folly Quarter Road
Ellicott City, MD 21042

RE: Sejmenovic Property, P. 173
12934 Folly Quarter Road
Building Permit: B17002175
Well Permit: HO-n/a

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 **2/20/2018**. Final approval of the well line connection to the dwelling was granted on **1/19/2018**. The Health Department has no records of construction of the existing well. The well was inspected by Easterday-Wilson Water Services, LLC on 10/26/2017 to verify casing depth, grout, and yield. From this report, the well was yield tested at 7.5gpm. Water samples were collected on **1/30/2018**.

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-n/a. 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

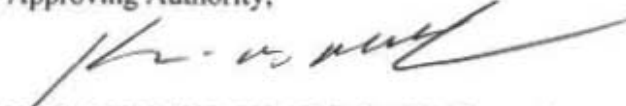
Maura J. Rossman, M.D., Health Officer

Maryland may be found at the following website:

<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

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 Environment 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



Easterday-Wilson Water Services, LLC

9265 Brown Church Road, Mt. Airy, Maryland, 21771

Phone: 301-831-5170

Fax: 301-829-2667

Pump Sales & Service

Water Treatment

Geothermal Ground Loops

February 23, 2018

Caruso Homes

Attn: Ken Knode

Re: 12934 Folly Quarter Road, Ellicott City, MD

Dear Ken Knode,

On October 26, 2017 Easterday-Wilson Water Services performed a well inspection at 12934 Folly Quarter Road Ellicott City, MD. Our findings were the following:

- 1) Well buried 5 ft. below grade
- 2) Existing pump type was Jet
- 3) Existing casing size 5 5/8" steel
- 4) Existing casing depth 30 ft.
- 5) Well depth to ground level 62.8 ft.
- 6) Performed 3 hour test pump (field data sheet attached)
- 7) On January 24, 2018 we revisited the site and raised the well casing above ground (7 ft.), installed pitless adapter and new well cap.

Sincerely,

Darren Wilson

Easterday-Wilson Water Services, LLC

Wolf, Kevin

From: Wolf, Kevin
Sent: Thursday, February 22, 2018 12:47 PM
To: 'Kenneth Knode'
Subject: RE: 12934 Folly Quarter Road

Ken,

According to our records dated 12/7/17, Easterday was hired to camera the existing well to verify well depth and casing depth, which was confirmed. There was also a yield test that was performed by Easterday (which we have no report of) done around that same timeframe. Please have Easterday submit this yield test report to us for record of completion.

The existing septic system needs to be abandoned and sealed per comment number 2 below. We understand that this process may conflict with the homeowner in their process of moving into the new home but Jeff Williams my supervisor has documented a conversation with the homeowner about this very specific process. This will need to be completed with documentation received by our office prior to ICOP issuance.

Kevin

From: Kenneth Knode [mailto:KKnode@carusohomes.com]
Sent: Thursday, February 22, 2018 12:21 PM
To: Wolf, Kevin
Subject: Re: 12934 Folly Quarter Road

Thanks for the response. The existing septic field hasn't had anything done to date due to the fact the homeowner is still occupying the home. After we received permission from health dept that using the existing well would pass , since 3 attempts at a new well failed, we surveyed the well, verified depth of casing and grout and submitted paperwork to health dept and was inspected.

This is quite an unusual situation and I hope you can help and get me through this. Please let me know how to proceed. Thanks Ken 301-832-5266

Sent from my iPhone

On Feb 22, 2018, at 12:09 PM, Wolf, Kevin <KWolf@howardcountymd.gov> wrote:

Ken,

I have this property in review for the ICOP letter for your Use and Occupancy. However I am pending a two items that need to be addressed prior to ICOP issuance:

1. I need confirmation from the well driller that the existing well was not deepened. If it was deepened, I need a revised well completion report indicating this.
2. Need confirmation from a licensed septic contractor in writing that the existing septic system that was utilized for the old house was in fact pumped and collapsed.

Once I receive confirmation of these two items, I can release your ICOP.

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
<image005.png>

<image003.jpg> <image004.jpg>
kwolf@howardcountymd.gov

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Environmental Testing Lab Inc.

108 Old Solomons Island Rd
Annapolis, MD 21401



3430 Rockefeller Ct
Waldorf, MD 20602

State Certified Water Quality
Laboratory # 106

State Certified Water Quality
Laboratory # 139

Certificate of Analysis

Tim Edwards
Hague Quality Water

Project
Date Received 1/30/2018
Date Reported 2/1/2018

This report is the sole property of Hague Quality Water. Any questions about the report MUST be directed to Hague Quality Water at (410) 757-2992.

Environmental Testing Lab is not at liberty to discuss this report without written consent from Hague Quality Water.

Sample No: 158085-01 Sampled: 1/30/2018 12:00:0 Sampler: TEwards8309TE (Exp. 5/18/2019)
Location: 12934 Foley Quarter Rd Preservation: Ice
Ellicott City, MD 21042 Sample Point: Pressure Tank

Parameter	Method	Result	Qualifiers	Units	RL	Test Date	Analyst
Bacteria-Total Coliform	Colitag Test	Absent/Pass		Per/100ml	1	01/30/2018	CT-106
Bacteria-E.coli	Colitag Test	Absent/Pass		Per/100ml	1	01/30/2018	CT-106
Iron, Total	SM 3500 D	0.15		mg/l	0.05	01/31/2018	BD-139
Turbidity	EPA 180.1	4		NTU	0.5	01/31/2018	RM-139
Nitrate + Nitrite as N	EPA 353.2	2.4		mg/l	1	01/31/2018	BD-139
pH	Field	6.7		pH Units	1	01/30/2018	Samp-ler

Field Test(s) such as chlorine and pH are reported on the attached COC form. "NT" means Not Tested.

Approved By

Daniel J. Brumsted, Laboratory Director

Annapolis

Ph 410-224-4304 Fax 443-926-0586

Waldorf

Ph 410-224-4304 Fax 443-926-0586



FL DOH Certification #E84025
MD Laboratory Certification #283

Report Date: February 9, 2018

Hague Quality Water of Maryland
814 E. College Pkwy.
Annapolis, MD 21409

Field Custody: Client
Client/Field ID: 12934 Folly
Quarter Rd
Sample Collection: 01-29-18/1230
Lab ID No: 18.981
Lab Custody Date: 02-01-18/1020
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Results	Units	Method	Analysis Date	Detection Limit
Gross Alpha	0.0 ± 0.5	pCi/l	EPA 900.0	2-5-18/1524	1.3
Gross Beta	0.4 ± 1.0	pCi/l	EPA 900.0	2-5-18/1524	2.4
Radium 226	0.3 ± 0.2	pCi/l	EPA 903.0	2-8-18/1212	0.3
Radium 228	0.1 ± 0.4	pCi/l	EPA Ra-05	2-8-18/0958	0.7

Alpha Standard: Th-230

James W. Hayes
Laboratory Manager

Test results meet all requirements of the NELAP standards.
Contact person: Jim Hayes (813) 229-2879.

KNL ENVIRONMENTAL TESTING, INC. | 3202 NORTH FLORIDA AVENUE | TAMPA, FLORIDA 33603
813.229.2879 | KNLENVIRONMENTAL.COM

KNL Environmental

3202 N. Florida Ave. Tampa, FL 33603
 Phone: (813) 229-2879 Fax: (813) 229-0002

CHAIN OF CUSTODY RECORD

Email: jhayes@knlenvironmental.com

ASTUTE

Company Name:		Habit Quarry Waste		Preservative		
Address:		8145 Causeway Parkway				
City/State/Zip:		Aurora, MO 64609				
Phone #: 416-757-2752 Attn:						
12934 Foley Avenue Rd ELLICOTT CRY, MO 64642						
SAMPLE ID	SAMPLE DESCRIPTION/LOCATION	DATE/TIME	MATRIX*	# of containers	Analysis Requested	Preservative
	Kook Tern Grass Area + ACPN	1-29-15 / 1230	W		Gross Alpha / Beta	
	Slack Trail Grass Area + ACPN				226 / 228	
	Raven 22/228					
*WW - Wastewater DW - Drinking Water GW - Groundwater SW - Surface Water SL - Sludge Other:						
Special Instructions:						
Print Name/Company	Signature	Date/Time	Print Name/Company	Signature	Date/Time	
H. Hayes	<i>[Signature]</i>	1/30/15	H. Hayes	<i>[Signature]</i>	08-07-14 / 1020	
Print Name/Company	Signature	Date/Time	Print Name/Company	Signature	Date/Time	
Print Name/Company	Signature	Date/Time	Print Name/Company	Signature	Date/Time	

18.981

ENVIRONMENTAL TESTING LAB, INC - CHAIN OF CUSTODY

ANNAPOLIS
410-224-4304 FAX 443-926-0586

WALDORF
410-224-4304 FAX



Company Name, Address Phone & Fax

Testing Address

Hague

12934 Foxey Quaker Run
STREET
ELICOTT CITY, MD 20422
CITY STATE ZIP

Send Report By: Fax Postal Service Email

THIS FORM WILL BE ATTACHED AS A PERMANENT PART OF YOUR FINAL REPORT

FIELD COLLECTION INFORMATION

Collected: Date 1/30/18 Time 12:00 Well Tag #: _____
 Collectors Name: Tim Edwards Certification # TE8309 Expires 7/19
 Collectors Signature: [Signature] Circle One PRIVATE WELL or CITY WATER
 pH: 6.7 Chlorine, Total mg/L: 0 Results for U & O Permit? YES NO Sample Clear when drawn? YES NO
 Sand present? YES NO If "YES" submit one liter of sample to lab for testing
 Sample Tap Bacteria: Pressure Tub Chemicals: Pressure Tub Lead: _____

Bacteriological Test Next Day 11:30 Next Day 3:30 2 Day
 FULL Chemical Analysis (Iron, Nitrite/Nitrate, Turbidity, Lead) Next Day 2 Day 3 Day
 BASIC Chemical Analysis (Iron, Nitrite/Nitrate, Turbidity) Next Day 2 Day 3 Day
 Lead Arsenic Next Day 2 Day 3 Day
 Cadmium 2 Day 4 Day 6 Day
 Radium Gross Alpha One Week 2 Week

Special Instructions: _____

Released By: JR Date: 1/30/18 Time 1:30 Received By: _____
 Released By: _____ Date: _____ Time _____ Received By: _____

(* TAT: is by Close of Business; Samples for chemical analysis received at 1:30 or later cannot be guaranteed "Next Day" results. TAT's are a good faith estimate and are not guaranteed.

LABORATORY SAMPLE RECEIPT INFORMATION

Samples Delivered on ICE YES NO N/A Add Qualifiers: Non-Certified Holding Time _____ Sample Volume _____ Frozen
 Received in LAB By: [Signature] Date: 1/30/18 Time 1:30



FL DOH Certification #E84025
MD Laboratory Certification #283

Report Date: February 9, 2018

Hague Quality Water of Maryland
814 E. College Pkwy.
Annapolis, MD 21409

Field Custody: Client
Client/Field ID: 12934 Folly
Quarter Rd
Sample Collection: 01-29-18/1230
Lab ID No: 18.981
Lab Custody Date: 02-01-18/1020
Sample description: Water

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Gross Beta	0.4 ± 1.0	pCi/l	EPA 900.0	2-5-18/1524	2.4
Radium 226	0.3 ± 0.2	pCi/l	EPA 903.0	2-8-18/1212	0.3
Radium 228	0.1 ± 0.4	pCi/l	EPA Ra-05	2-8-18/0958	0.7

Alpha Standard: Th-230

James W. Hayes
Laboratory Manager

Test results meet all requirements of the NELAP standards.

Contact person: Jim Hayes (813) 229-2879.

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KNL Environmental

3202 N. Florida Ave. Tampa, FL 33603
 Phone: (813) 229-2879 Fax: (813) 229-0002

CHAIN OF CUSTODY RECORD

Email: jhayes@knlenvironmental.com

YSTORUBE

Company Name: White Quarry Water
 Address: 8145 Cassie Parkway
 City/State/Zip: Amoyas, MO 21409
 Phone #: 416-757-2752 Attn:

12934 Foley Avenue Bx
 ELLICOTT CITY, MO 21042

SAMPLE ID	SAMPLE DESCRIPTION/LOCATION	DATE/TIME	MATRIX*	# of containers	Analysis Requested	Preservative
	hook TERN GROSS ALPHA + METAL	1-29-15 / 1235	W		Gross Alpha + METAL	
	SHOOT TERN GROSS ALPHA + METAL					
	RAWM 22/228					

18.981

*WW - Wastewater DW - Drinking Water GW - Groundwater SW - Surface Water SL - Sludge Other: _____

Special instructions: _____

Print Name/Company	Signature	Date/Time	Print Name/Company	Signature	Date/Time
HAYES	<i>[Signature]</i>	1/30/15	YSTORUBE	<i>[Signature]</i>	02-07-15 10:20
Print Name/Company	Signature	Date/Time	Print Name/Company	Signature	Date/Time
Print Name/Company	Signature	Date/Time	Print Name/Company	Signature	Date/Time

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Sample No: 158085-01 Sampled: 1/30/2018 12:00:0 Sampler: TEdwards8309TE (Exp. 5/18/2019)
Location: 12934 Folley Quark Rd → emailed builder to get
Ellicott City, MD 21042 report w/ correct address
2/15/18 SC Preservation: Ice
Sample Point: Pressure Tank

Parameter	Method	Result	Qualifiers	Units	RL	Test Date	Analyst
Bacteria-Total Coliform	Colitag Test	Absent/Pass		Per/100ml	1	01/30/2018	CT-106
Bacteria-E.coli	Colitag Test	Absent/Pass		Per/100ml	1	01/30/2018	CT-106
Iron, Total	SM 3500 D	0.15		mg/l	0.05	01/31/2018	BD-139
Turbidity	EPA 180.1	4		NTU	0.5	01/31/2018	RM-139
Nitrate + Nitrite as N	EPA 353.2	2.4		mg/l	1	01/31/2018	BD-139
pH	Field	6.7		pH Units	1	01/30/2018	Samp-ler

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Approved By

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Environmental Testing Lab Inc.

108 Old Solomons Island Rd
Annapolis, MD 21401



3430 Rockefeller Ct
Waldorf, MD 20602

State Certified Water Quality
Laboratory # 106

State Certified Water Quality
Laboratory # 139

Certificate of Analysis

Tim Edwards
Hague Quality Water

Project
Date Received 1/30/2018
Date Reported 2/1/2018

This report is the sole property of Hague Quality Water. Any questions about the report MUST be directed to Hague Quality Water at (410) 757-2992.

Environmental Testing Lab is not at liberty to discuss this report without written consent from Hague Quality Water.

Sample No:	158085-01	Sampled:	1/30/2018 12:00:0	Sampler:	TEdwards8309TE	(Exp. 5/18/2019)	
Location:	12934 Folley Quark Rd Ellicott City, MD 21042	→ emailed builder to get report w/ correct address 2/15/18 SC		Preservation:	Ice	Sample Point: Pressure Tank	
Parameter	Method	Result	Qualifiers	Units	RL	Test Date	Analyst
Bacteria-Total Coliform	Colitag Test	Absent/Pass		Per/100ml	1	01/30/2018	CT-106
Bacteria-E.coli	Colitag Test	Absent/Pass		Per/100ml	1	01/30/2018	CT-106
Iron, Total	SM 3500 D	0.15		mg/l	0.05	01/31/2018	BD-139
Turbidity	EPA 180.1	4		NTU	0.5	01/31/2018	RM-139
Nitrate + Nitrite as N	EPA 353.2	2.4		mg/l	1	01/31/2018	BD-139
pH	Field	6.7		pH Units	1	01/30/2018	Samp-ler

Field Test(s) such as chlorine and pH are reported on the attached COC form. "NT" means Not Tested.

Approved By

Daniel J. Brumsted, Laboratory Director

Annapolis

Ph 410-224-4304 Fax 443-926-0586

Waldorf

Ph 410-224-4304 Fax 443-926-0586

ENVIRONMENTAL TESTING LAB, INC - CHAIN OF CUSTODY

ANNAPOLIS

410-224-4304 FAX 443-926-0586

WALDORF

410-224-4304 FAX



158085 Date Due:
Client: Hague Quality Water
Project:

Company Name, Address Phone & Fax

Hague

Testing Address

12934 Folly Quaker Run
STREET
ELICOTT CITY, MD 20422
CITY STATE ZIP

Send Report By: Fax Postal Service Email

THIS FORM WILL BE ATTACHED AS A PERMANENT PART OF YOUR FINAL REPORT

FIELD COLLECTION INFORMATION

Collected: Date 1/30/18 Time 12:00 Well Tag #: _____

Collectors Name: Tim Edwards Certification # TE8309 Expires 7/19

Collectors Signature: [Signature] Circle One PRIVATE WELL or CITY WATER

pH: 6.7 Chlorine, Total mg/L: 0 Results for U & O Permit? YES NO Sample Clear when drawn? YES NO

Sand present? YES NO If "YES" submit one liter of sample to lab for testing

Sample Tap Bacteria: Pressure Tub Chemicals: Presumptive Lead: _____

Bacteriological Test Next Day 11:30 Next Day 3:30 2 Day

FULL Chemical Analysis (Iron, Nitrite/Nitrate, Turbidity, Lead) Next Day 2 Day 3 Day

BASIC Chemical Analysis (Iron, Nitrite/Nitrate, Turbidity) Next Day 2 Day 3 Day

Lead Arsenic Next Day 2 Day 3 Day

Cadmium 2 Day 4 Day 6 Day

Radium Gross Alpha One Week 2 Week

Special Instructions: _____

Released By: JR Date: 1/30/18 Time: 1:30 Received By: _____

Released By: _____ Date: _____ Time: _____ Received By: _____

(* TAT: is by Close of Business; Samples for chemical analysis received at 1:30 or later cannot be guaranteed "Next Day" results. TAT's are a good faith estimate and are not guaranteed.

LABORATORY SAMPLE RECEIPT INFORMATION

Samples Delivered on ICE YES NO N/A Add Qualifiers: Non-Certified Holding Time Sample Volume Frozen

Received in LAB By: [Signature] Date: 1/30/18 Time: 1:30

Collins, Sarah

From: Kenneth Knode <KNode@carusohomes.com>
Sent: Thursday, December 21, 2017 10:20 AM
To: Collins, Sarah
Subject: Re: 12934 Folly Quarter Rd

What you saw currently is only a marking pipe. Homeowner stuck it in ground to show location. Easterday will be doing the extension and plumbing contractor will do pitless and pump installation

Sent from my iPhone

> On Dec 21, 2017, at 10:17 AM, Collins, Sarah <SCollins@howardcountymd.gov> wrote:

>

> Hi Ken,

>

> I saw the well for the existing house when I was on site on Tuesday and it looks like the casing was extended. The material is not approved to be used as well casing per the Code of Maryland Regulations. Also, the cap is not vented and there is no electrical conduit. Do you know who did the work?

>

> We will not be able to issue a U&O until the well meets current construction standards. Let me know if you have any questions.

>

> Thanks,

> Sarah

>

>

> Sarah Collins, L.E.H.S.

> Howard County Health Department

> Bureau of Environmental Health

> 8930 Stanford Blvd.

> Columbia, MD 21045

> SCollins@howardcountymd.gov

> 410-313-6287

>

>

> CONFIDENTIALITY NOTICE

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>

> <12934 Folly Quarter Rd well.jpg>

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12/21/17

Marking pipe for buried well. (S)

FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
9/25/17	<p>I met with owner, Mr. Seimenovic, regarding the lot and some dry well holes. He asked about moving the sewage disposal area down to the front of the house. I told him he would have to re-test in wet season and based on failing holes + landscape, it would not likely be successful. It also doesn't help the problem of getting a well. I told him he could have a well driller look at his existing well + try to develop it with casing above grade or suggest a new area to drill, but nobody can guarantee where water will be found. Jav</p>
12/7/17	<p>Spoke with Easterday via phone. They would like to deepen the existing well to 200'. Currently 60' deep with 30' of casing (determined with camera). No tag # for well - Easterday will need to send in a permit. Per JW + MD, initial septic system install must be in NE corner of SDA to minimize upgradient influence on well. (SC)</p>
12/13/17	<p>Homeowner opting to not deepen well. Easterday did a 3-hr yield and measured 7.5 gpm. so well meets yield requirements. Talked with builder + suggested collecting porability samples now - failing porability tests could ^{potus} require well to be sealed b/c we don't know spec of well construction. See Jeff if failing results come back. OK to release septic permit, keeping system in NE corner.</p>
	<p>Well must have casing extended above grade + pitless adaptor installed.</p>



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Dr. Maura J. Rossman, M.D., 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:

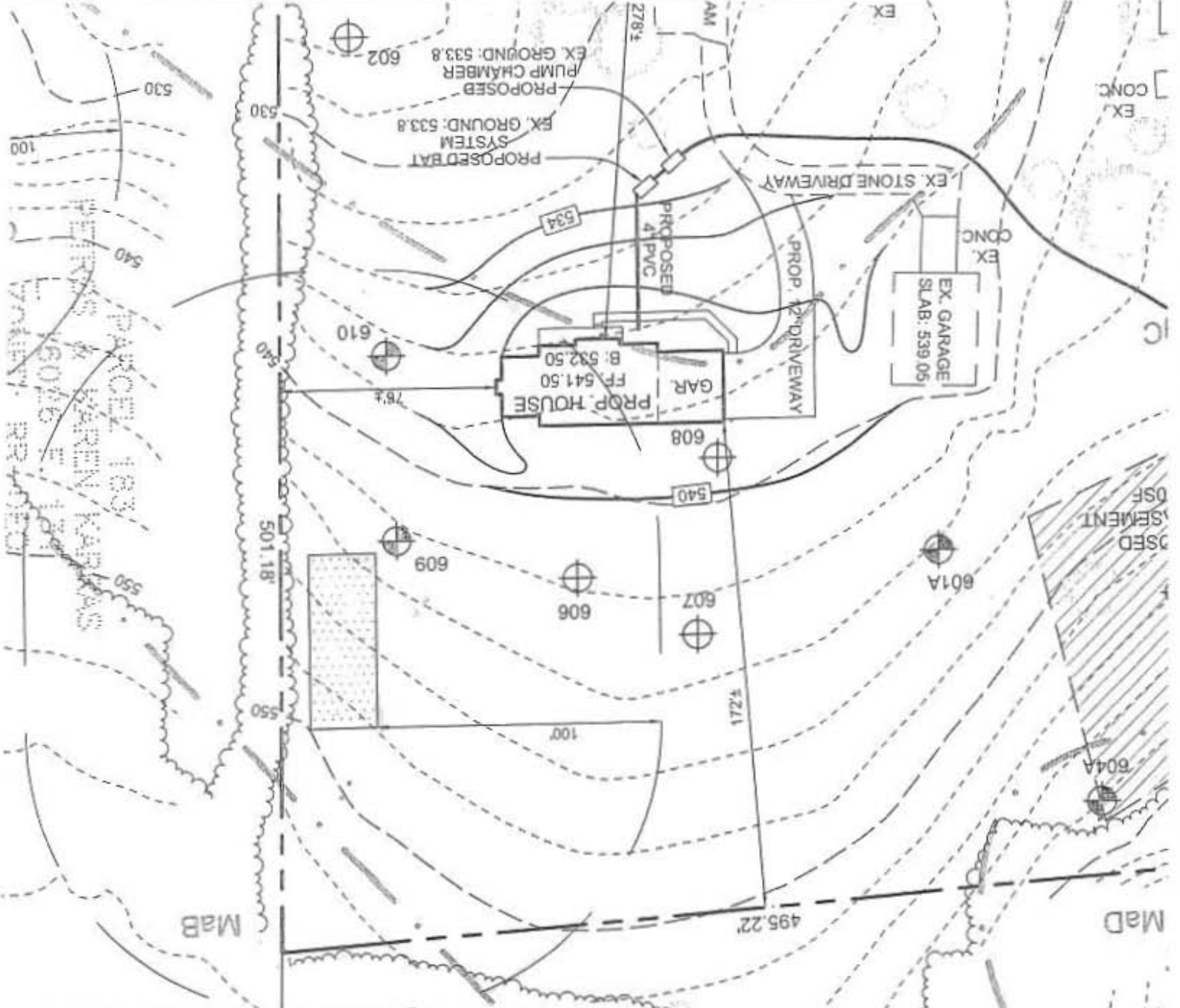
Well Site Location:

Subdivision/Property Name _____ Lot # ¹²⁹³⁴ ~~12734~~ ₍₁₀₎ Road Name Folly Quarter Road

The well site has been staked by Sill Engineering Group
(professional land surveyor or company employing professional land surveyors)
on 09/15/17 (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.



DO NOT REMOVE THIS TAG
 DEPARTMENT OF THE ENVIRONMENT
 WELL PERMIT NUMBER
 HO-17-0177
 INFORMATION GIVE NUMBER AND WRITE
 1800 WASHINGTON BLVD
 BALTIMORE MARYLAND 21230

12934 Folly Quarter
 Stated by Bill Engineering
 Ho-17-0177
 Approved 9/19/17

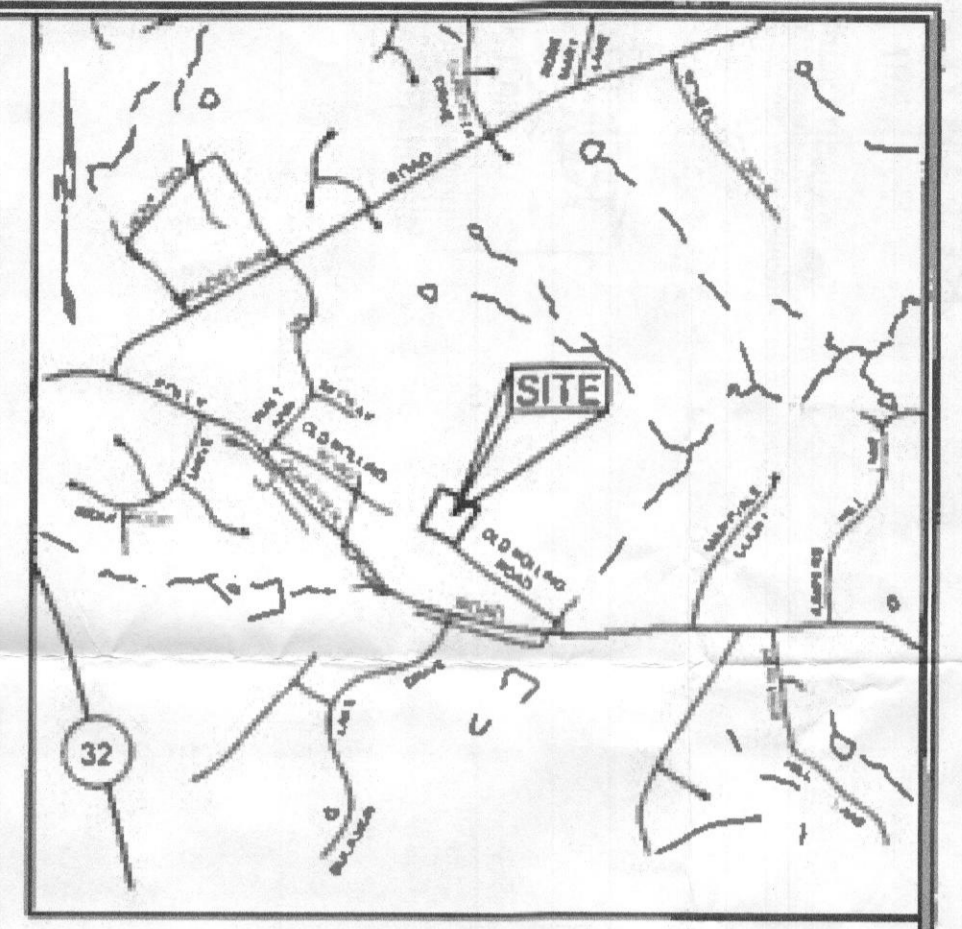
CUS 114

YES x A.S.
7-12-17

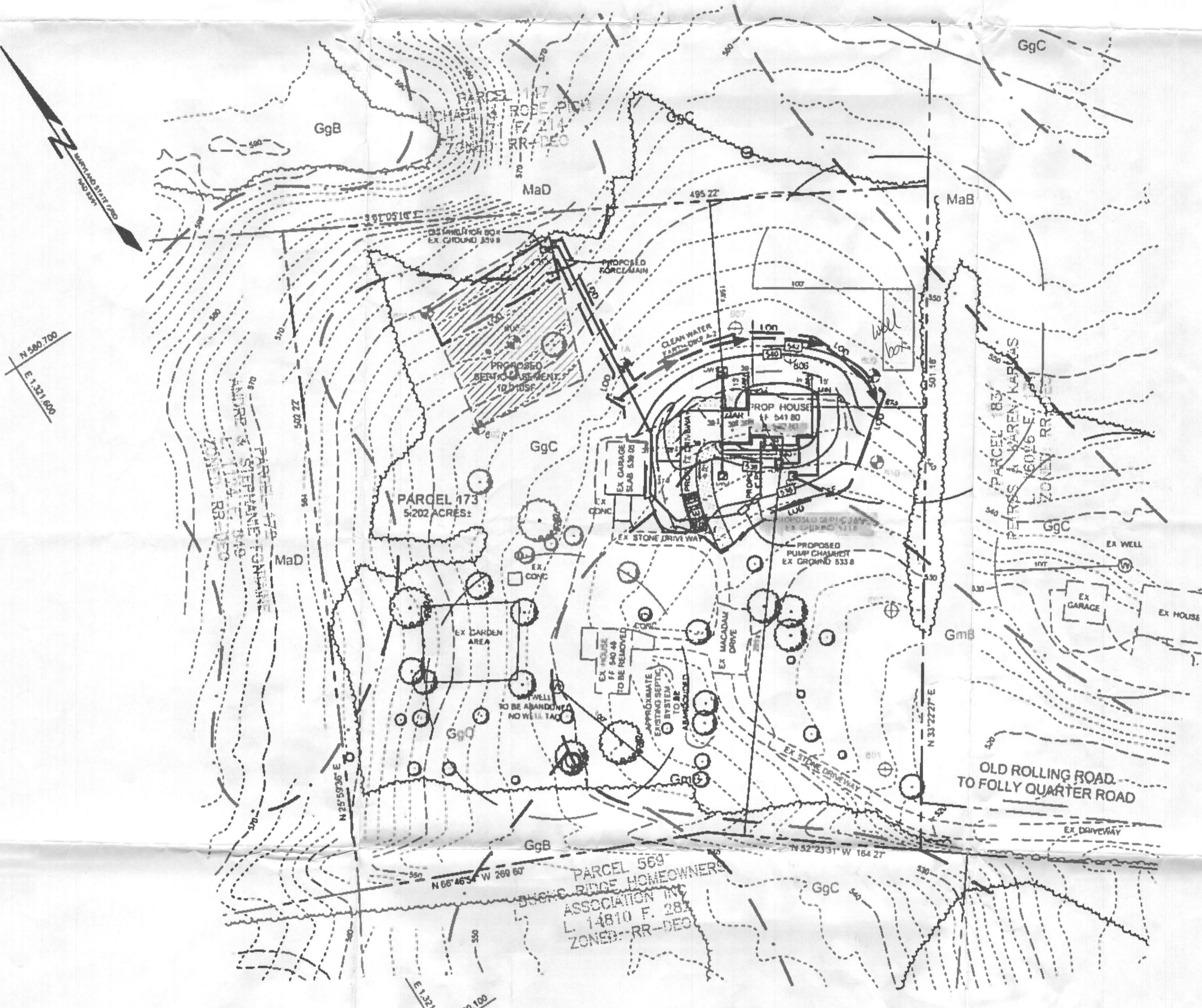
SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	K _f FACTOR
GgB	GLENNCO LOAM 3 TO 8 PERCENT SLOPES	B	0.28
GgC	GLENNCO LOAM 8 TO 15 PERCENT SLOPES	B	0.28
GgD	GLENNCO SILTY LOAM 3 TO 8 PERCENT SLOPES	C	0.43
MaB	MAJOR LOAM 3 TO 8 PERCENT SLOPES	B	0.28
MaD	MAJOR LOAM 15 TO 25 PERCENT SLOPES	B	0.28

NOTES
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT

LEGEND	
EXISTING CONTOUR	---
PROPOSED CONTOUR	---
EXISTING SPOT ELEVATION	137
PROPOSED SPOT ELEVATION	132
DIRECTION OF FLOW	→
EXISTING TREELINE	~
EXISTING TREELINE	~
SOIL BOUNDARY	---
PERCOLATION TEST HOLE	⊕
EXISTING, PASSED	⊕
PERCOLATION TEST HOLE	⊕
EXISTING, FAILED	⊕
EXISTING WELL LOCATION	⊙
PROPOSED SEPTIC LOCATION	▨
PROPOSED WELL LOCATION	▨
NON-ROOFTOP DISCONNECT	▨
PROPOSED DRYWELL	▨



- GENERAL NOTES**
- SUBJECT PROPERTY ZONED RR-DEO PER 1008/2013 COMPREHENSIVE ZONING PLAN
 - TOTAL AREA OF PROPERTY = 5.202 AC
 - PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE
 - THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
 - REFERENCE: USER 1587 FOLLY RD
 - PROPERTY ADDRESS: 12934 FOLLY QUARTER ROAD
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT
 - ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
 - LIMIT OF DISTURBANCE = 25,587 SF
 - THIS PROJECT IS EXEMPT FROM THE FOREST CONSERVATION ACT SINCE IT IS A SINGLE LOT CLEARING LESS THAN 20,000 SF OF FOREST.
 - ANY SPECIMEN TREE THAT IS REMOVED WILL REQUIRE AN ALTERNATIVE COMPLIANCE PETITION FOR THE REMOVAL OF A SPECIMEN TREE PER SECTION 18.12 OF THE SUBDIVISION AND ZONING REGULATIONS.

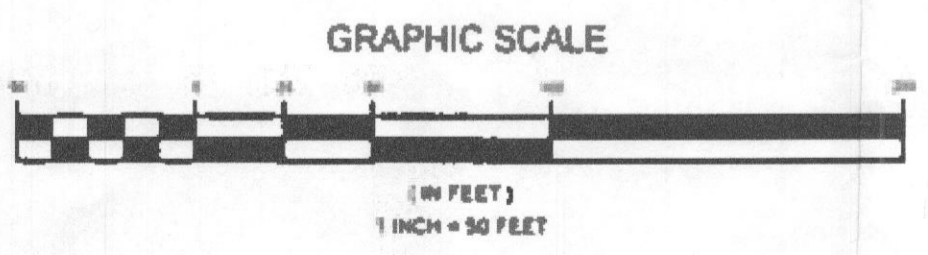


STORMWATER MANAGEMENT PRACTICES					
LOT #	ADDRESS	DRY WELL (NUMBER)	NON-ROOFTOP DISCONNECT (Y/N)	ROOFTOP DISCONNECT (Y/N)	MICHO BLD (NUMBER)
NA	12934 FOLLY QUARTER ROAD	4	Y	N	0

NOTE: FOR STORMWATER MANAGEMENT DESIGN SEE SIMPLIFIED ENVIRONMENTAL CONCEPT PLAN ON FILE WITH HOWARD COUNTY

SITE ANALYSIS DATA SHEET	
ENVIRONMENTAL AREA	SIZE OR USE
TOTAL PROJECT AREA	5.202 ACRES
LIMIT OF DISTURBANCE	0.627 ACRES
GREEN OPEN AREA (LAWN)	0.548 ACRES
IMPERVIOUS AREA	0.081 ACRES
PROPOSED SITE USES	RESIDENTIAL
WETLANDS (1)	0.50 FT
WETLAND BUFFERS	0.50 FT
FLOODPLAIN	0.50 FT
FLOODPLAIN BUFFERS	1.00 FT
EXISTING FOREST	0.50 FT
SLOPES GREATER THAN 15% (3)	0.50 FT
HIGHLY ERODIBLE SOILS	0.42 ACRES

- NOTES
- NONE WITHIN THE MAIN LOT AREA. THE PIPESTEIN MAY HAVE WETLAND AREAS AND HAS NOT BEEN EVALUATED SINCE IT IS OUTSIDE THE AREA OF DEVELOPMENT.
 - SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.
 - HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.



PLAN VIEW
SCALE: 1"=50'

OWNER/DEVELOPER

EDIN SEJMEMOVIC
 12934 FOLLY QUARTER ROAD
 ELICOTT CITY, MARYLAND 21042

PLOT PLAN

SEJMEMOVIC PROPERTY

12934 FOLLY QUARTER ROAD

TAX MAP 22 GRID 18
 3RD ELECTION DISTRICT

PARCEL 173
 HOWARD COUNTY, MARYLAND



1110 Thimble Creek, Suite 200
 Manassas, Maryland 20108
 Phone: 443.325.5176
 Fax: 410.406.3422
 Email: info@sillengineering.com
 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: Ra
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: MAY 23, 2017
 PROJECT #: 12-051
 SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12123, EXPIRATION DATE: JUNE 30, 2019.