



HOWARD COUNTY HEALTH DEPARTMENT

67860

DATE

6/2/20

WS

Received
From

Emma Leigh Fenton

PHONE #

☐ CASH

☒ CHECK

NO. 319

For

Well Permit - 13471 Trudolphia Mill Rd.

One Hundred Sixty

Dollars

\$

160 | 00

Received By

Shelia Beatz

C1 41786		SEQUENCE NO. (MDE USE ONLY)		STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE		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)		DATE WELL COMPLETED MM DD YY 07 06 20		Depth of Well 22 26 (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" 140 - 20 - 0010	
ST/CO USE ONLY DATE Received MM DD YY 07 06 20		OWNER Fenton, Riley last name first name		TOWN CLARKSVILLE		COUNTY NUMBER	
WELL SITE ADDRESS 13471 TRIADALPHA		SUBDIVISION		SECTION		LOT	
WELL LOG Not required for driven wells		GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) yes <input checked="" type="checkbox"/> no <input type="checkbox"/> TYPE OF GROUTING MATERIAL (Circle one) CEMENT <input checked="" type="checkbox"/> BENTONITE CLAY <input type="checkbox"/> NO. OF BAGS 6 NO. OF POUNDS 300 GALLONS OF WATER 138 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 54 ft. (enter 0 ft from surface)		C3 1 2 PUMPING TEST HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 3 METHOD USED TO MEASURE PUMPING RATE Bucher WATER LEVEL (distance from land surface) BEFORE PUMPING 30 ft. WHEN PUMPING 173 ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible			
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		CASING RECORD casing types insert appropriate code below MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 62 60 61 63 64 66 70 OTHER CASING (if used) EACH CASING diameter depth (feet) inch from to		PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES NO IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) above below LAND SURFACE 1 (nearest foot)			
DESCRIPTION (Use additional sheets if needed)		FEET FROM TO Soft Brown 0 35 Soft Gray 35 36 Soft Brown 36 40 Hard Gray 40 41 Soft Brown 41 57 Hard Gray 57 150 Med. Hard Gray 150 176 Hard Gray 170 208 Med. Hard Gray 208 211 Hard Gray 211 710 Med. Hard Gray 710 711 Hard Gray 711 800		C2 DEPTH (nearest ft.) 1 2 H 61 800 EACH CASING 8 9 11 15 17 21 2 23 24 26 30 32 36 3 38 39 41 45 47 51 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to		LATITUDE 39.216722 LONGITUDE 76.979994 (DEFAULT COORD. WGS 84)	
NUMBER OF UNSUCCESSFUL WELLS: 0		WELL HYDROFRACTURED yes <input checked="" type="checkbox"/> no <input type="checkbox"/>		CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL		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.	
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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.		DRILLERS LIC. NO. 1 MWD 603 Daren Wilson DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 WRD 107		GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA			
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)							

B 1	SEQUENCE NO. (MDE USE ONLY) 52494	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 507860	STATE PERMIT NUMBER 40-20-0010 fill in this form completely
1 2 3 6	Date Received (APA) 060220		
OWNER INFORMATION			
RILEY			
15 Last Name KEENLON Owner First Name 34			
36 Street or RFD 13471 TRIADELPHIA MILL ROAD			
57 Town CLARKSVILLE, MD 21029			
70 State 72 Zip 76			
DRILLER INFORMATION			
Driller's Name Darren E. Wilson			
Firm Name L. F. Easterday Well Drilling			
Address 9265 Brown Church Rd., Mt. Airy, Md. 21771			
Signature Darren E. Wilson Date 5/27/2020			
B 2	WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 8 500 12		
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20			
USE FOR WATER (CIRCLE APPROPRIATE BOX)			
<input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> PUBLIC WATER SUPPLY WELL <input type="checkbox"/> TEST, OBSERVATION, MONITORING <input type="checkbox"/> OPEN LOOP GEOTHERMAL <input type="checkbox"/> CLOSED LOOP GEOTHERMAL			
APPROXIMATE DEPTH OF WELL 300 FEET APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST			
METHOD OF DRILLING (circle one)			
BORED (or Augered) <input checked="" type="checkbox"/> JETTED <input type="checkbox"/> Jettied & DRIVEN <input type="checkbox"/> AIR-ROTARY <input checked="" type="checkbox"/> AIR-PERCUSION <input type="checkbox"/> ROTARY (Hydraulic Rotary) <input type="checkbox"/> CABLE <input type="checkbox"/> REVERSE-ROTARY <input type="checkbox"/> DRIVE-POINT <input type="checkbox"/> other <input type="checkbox"/>			
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)			
<input 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 <input checked="" 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			
Not to be filled in by driller (MDE OR COUNTY USE ONLY)			
APPROP. PERMIT NUMBER G			
PERMIT No. 40-20-0010			
SPECIAL CONDITIONS			
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED POSSIBLE RADIUM SAMPLES - WILL CALL			

LOCATION OF WELL
Howard
8 COUNTY
23 SUBDIVISION
SECTION 44 46 LOT 48 50
Clarksville
52 NEAREST TOWN

13471 Triadelphia Mill Road
11 STREET ADDRESS
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
34 175 37
DISTANCE FROM ROAD
ENTER FT OR MI 38 39
TAX MAP: 6034 BLK: 0002 PARCEL 0213

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL
Howard
COUNTY NAME
STATE
SIGNATURE
DATE ISSUED 06/17/2020
CO SIGNATURE
EXP. DATE 7/7/20

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
TRIADLPHIA MILL Rd
7/7/20 bedrock casing 63' total 800' hydrofracked
Brookline Way
HIGHLAND Rd

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Page 7-8-20 of 8:00
Date 7-8-20

Review _____

FIELD DATA SHEET
HYDROGEOLOGIC AREA (3) WELL YIELD TEST

Maryland Well Permit No. H0-20-0010 Election District _____

Location of Property (road) 13471 Triadelphia Mill Road

Subdivision _____ Lot _____ Block _____ Plat _____ Sec. _____

Well Driller EASTMAN-WILSON Owner Riley Fenton

Depth of Well 202

Distance of Measuring Point (M.P.) above ground 2'

Static Water Level (S.W.L.) below M.P. 30'

I. High Rate Pumping -- reservoir drawdown

Time pump started 8:00

Pumping rate 15 G.P.M. 450

Total time 30 min to reach pumping water level 171' ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes. Pump 450

TIME	WATER LEVEL Below M.P.	PUMPING RATE Time to fill 1 gal. bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per min.)
8:30	171'	20 sec		3 G.P.M.
8:45	171'	20 sec		3 G.P.M.
9:00	171'	20 sec		3 G.P.M.
9:15	171'	20 sec		3 G.P.M.
9:30	171'	20 sec		3 G.P.M.
9:45	171'	20 sec		3 G.P.M.
10:00	171'	20 sec		3 G.P.M.
10:15	171'	20 sec		3 G.P.M.
10:30	171'	20 sec		3 G.P.M.
10:45	172'	20 sec		3 G.P.M.
11:00	172'	20 sec		3 G.P.M.
11:15	172'	20 sec		3 G.P.M.
11:30	172'	20 sec		3 G.P.M.
11:45	172'	20 sec		3 G.P.M.
12:00	172'	20 sec		3 G.P.M.
12:15	172'	20 sec		3 G.P.M.
12:30	172'	20 sec		3 G.P.M.
12:45	173'	20 sec		3 G.P.M.
1:00	173'	20 sec		3 G.P.M.
1:15	173'	20 sec		3 G.P.M.
1:30	173'	20 sec		3 G.P.M.
1:45	173'	20 sec		3 G.P.M.
2:00	172'	20 sec		3 G.P.M.
2:15	173'	20 sec		3 G.P.M.
2:30	173'	20 sec		3 G.P.M.

2800
1539

MARYLAND DEPARTMENT OF THE ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
1800 Washington Blvd. Baltimore, Maryland 21230 (410) 537-3784

WATER WELL HYDROFRACTURE REPORT

WELL TAG NUMBER HO-20-0010 DATE WORK PERFORMED (mm/dd/yyyy) 07/06/2020

WELL SITE ADDRESS
13471 TRIADDELPHIA MILL RD

TAX MAP 0034 BLK 0002 PARCEL 0213 LATITUDE 3 9-216722 LONGITUDE 7 6-979994

CASING DEPTH 62 FT CASING TYPE (circle) ST OR PVC DIAMETER 6

WELL DEPTH 800 FT WATER LEVEL BEFORE FRAC 300 FT YIELD BEFORE FRAC 114 GPM

PACKER SETTINGS (circle) SINGLE or MULTIPLE SET DEPTH OF SHALLOWEST PACKER 100 FT

SOURCE OF WATER WSSC

OBSERVATIONS

SET NUMBER	TOP ZONE (FT)	BOTTOM ZONE (FT)	MAX PRESSURE (PSI)	WATER VOLUME USED (GALLONS)
1	100	800	900	600
2	200	800	1500	800
3	300	800	900	800
4				
5				

WATER LEVEL AFTER FRAC 30 FT YIELD AFTER FRAC 3 GPM

NOTE: YIELD TEST PROCEDURES CAN BE FOUND UNDER COMAR 26.04.04.26.G.

REGULATIONS FOR HYDROFRACTURING OF WATER WELLS CAN BE FOUND IN COMAR 26.04.04.28. FAILURE TO FOLLOW REGULATORY PROCEDURES WILL CONSTITUTE RECEIVING A WRITTEN VIOLATION WHICH MAY RESULT IN PENALTIES DESCRIBED IN COMAR 26.04.04.38.

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Bruce Thompson
DRILLER SIGNATURE

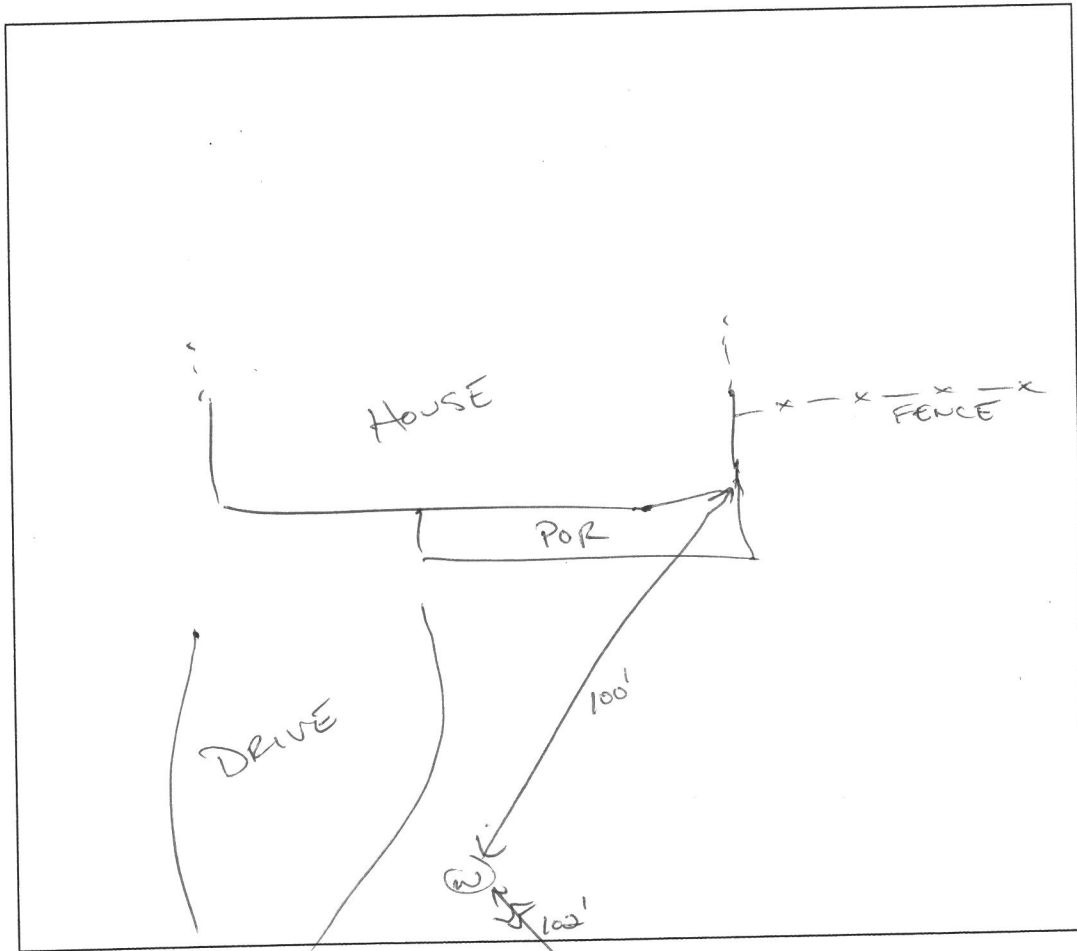
JSD 038
LIC #

08/14/2020

SITE INSPECTION SHEET

OWNER: _____ PHONE #: _____
ADDRESS: 13471 Treadwell Mill Road CONTRACTOR: Easterday
WELL TAG #: _____
SUBDIVISION: _____ LOT: _____ COUNTY #: _____
PROPOSAL: out of H₂O + sediment in ex. well

LOCATION DIAGRAM



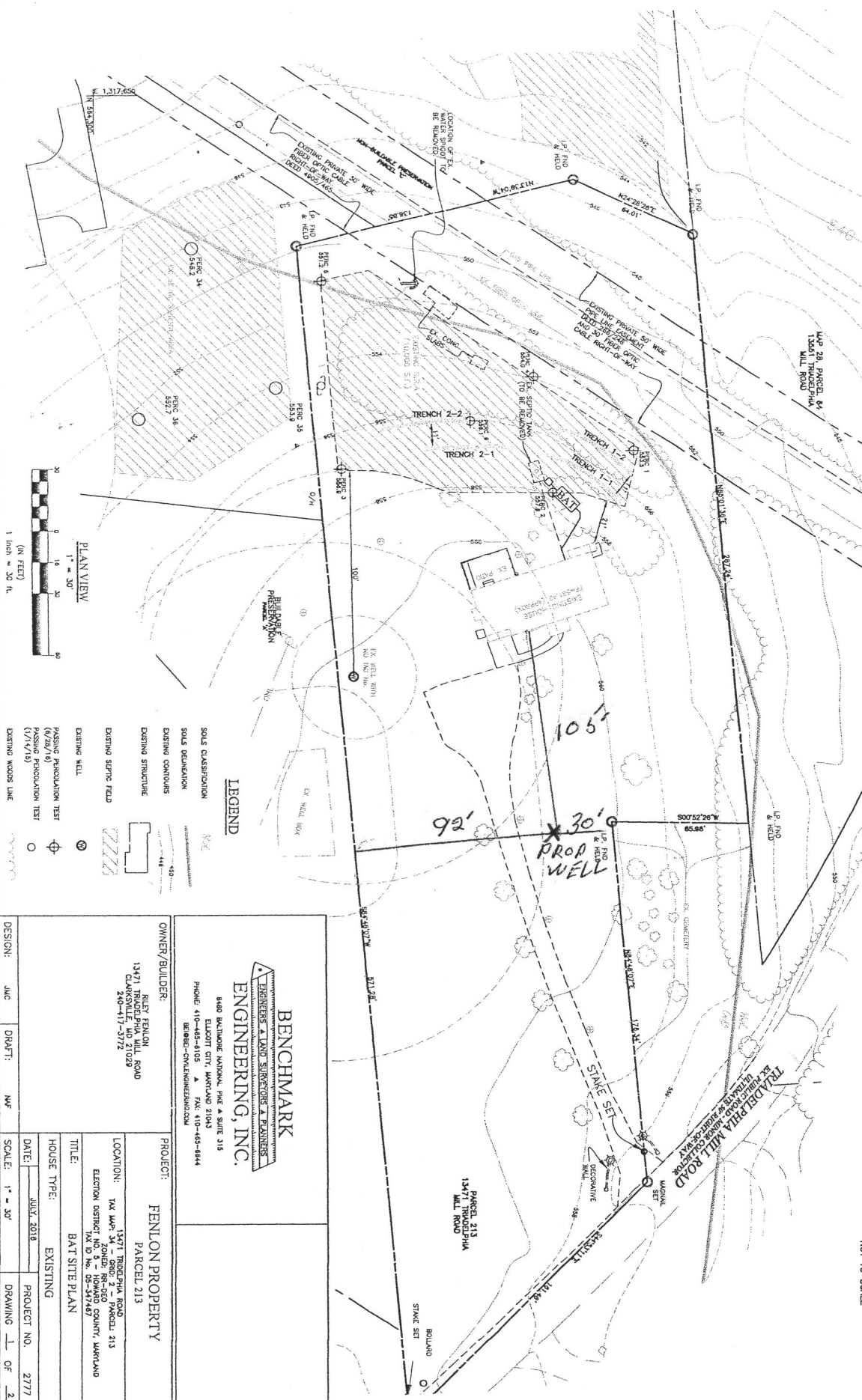
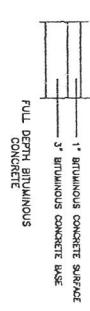
COMMENTS: _____

DATE: 06/17/2020 INSPECTOR: CABATHUG 001997

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND			
SYMBOL	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME
GB8	B	B	GLENEIG LOAM 3 TO 8 PERCENT SLOPES
MB8	B	B	MANONTLOAM 3 TO 15 PERCENT SLOPES

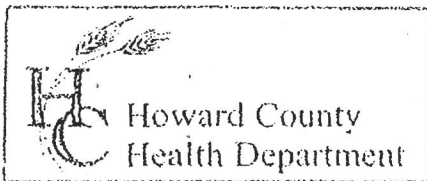
* INDICATES FROST SOILS
 * INDICATES SANDY SOILS AND/OR 15% OR GREATER SLOPES
 TAKEN FROM THE INCHES WEB SOIL SURVEY, AUGUST 2014, SHEET 18

PAVING SECTION
 NOT TO SCALE



BENCHMARK
 ENGINEERS & LAND SURVEYORS & PLANNERS
 8400 BULLDOGE LANE, SUITE 315
 ELICOTT CITY, MARYLAND 21043
 PHONE: 410-468-9105 FAX: 410-468-8444
 BENCHMARK-ONLINE@BENCHMARK.COM

OWNER/BUILDER:		PROJECT:	
RILEY FENLON 13471 TRIEDELPHIA MILL ROAD CLARKSVILLE, MD 21028 240-417-5772		FENLON PROPERTY PARCEL 213	
LOCATION:		ELECTION DISTRICT NO. 5 - HOWARD COUNTY, MARYLAND	
TAX MAP: 34 CONGRESSIONAL DISTRICT 2		TAX ID NO. 05-547487	
TITLE:		BAT SITE PLAN	
HOUSE TYPE:		EXISTING	
DATE:	JULY, 2018	PROJECT NO.	2777
DESIGN:	JMC	DRAFT:	NWF
SCALE: 1" = 30'		DRAWING 1 OF 2	



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

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

- ☒ The well site has been staked by owner/driller,
(professional land surveyor or company employing professional land surveyors)
on 5/27/20 (date) and does not require a site inspection.
- ☐ The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 6/10/03

Riley Fenton
13471 Truadelphia Mill Rd