



HOWARD COUNTY HEALTH DEPARTMENT

59885

12 / 23 / 16
DATE

W5

Received
From

David M. Kelly

PHONE #

410 692 6981

For

Well Perpetuity 8223 Spring
Branch Ct.

☐ CASH
☒ CHECK

NO.

2916

One hundred sixty

Dollars

\$

160 00

Received By

King

C 1 32108		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.							
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)						COUNTY NUMBER							
ST/CO USE ONLY DATE Received MM DD YY 8 13		DATE WELL COMPLETED MM DD YY 1 20 17		Depth of Well 22 (2) 400 26 (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" 40 - 17 - 0002							
OWNER <u>BATES, JASON</u>		WELL SITE ADDRESS <u>8223 SPRING BRANCH CT</u>		TOWN <u>LAUREL</u>									
SUBDIVISION <u>Patuxent Springs</u>		SECTION		LOT <u>27</u>									
WELL LOG Not required for driven wells		GROUTING RECORD		C 3		PUMPING TEST							
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		WELL HAS BEEN GROUTED (Circle Appropriate Box) YES ☒ NO ☐		HOURS PUMPED (nearest hour) 8 9		PUMPING RATE (gal. per min.) 11 15							
DESCRIPTION (Use additional sheets if needed)		TYPE OF GROUTING MATERIAL (Circle one) CEMENT ☒ BENTONITE CLAY ☒		METHOD USED TO MEASURE PUMPING RATE		WATER LEVEL (distance from land surface)							
FEET FROM TO		NO. OF BAGS <u>29</u> NO. OF POUNDS <u>1450</u>		BEFORE PUMPING 17 20 ft.		WHEN PUMPING 22 25 ft.							
check if water bearing		GALLONS OF WATER <u>580</u>		TYPE OF PUMP USED (for test) ☒ air ☐ piston ☐ turbine ☒ centrifugal ☐ rotary ☐ other (describe below) ☐ jet ☐ submersible									
soft brown		DEPTH OF GROUT SEAL (to nearest foot) from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)		PUMP INSTALLED DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)		IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.							
hard tan rock		CASING RECORD casing types insert appropriate code below STEEL ☒ CONCRETE ☐ PLASTIC ☐ OTHER ☐		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							
hard gray rock		MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot) 60 61 63 64 66 70		PUMP HORSE POWER 37 41		PUMP COLUMN LENGTH (nearest ft.) 43 47							
143 installed 1 1/4" geo loops		OTHER CASING (if used) diameter inch depth (feet) from to		CASING HEIGHT (circle appropriate box and enter casing height) ☒ above ☐ below LAND SURFACE (nearest foot) 49 50 51		LATITUDE <u>39.148446</u> LONGITUDE <u>76.893292</u> (DEFAULT COORD. WGS 84)							
NUMBER OF UNSUCCESSFUL WELLS: <u>0</u>		SCREEN RECORD screen type or open hole insert appropriate code below STEEL ☒ BRASS ☐ OPEN HOLE ☐ PLASTIC ☐ OTHER ☐		NOTES: <u>Spring Branch Pt.</u>		<table border="1"><tr><td>17</td><td>3</td></tr><tr><td>26</td><td>37</td></tr><tr><td>29</td><td>48</td></tr></table>		17	3	26	37	29	48
17	3												
26	37												
29	48												
WELL HYDROFRACTURED yes ☒ no ☐		DEPTH (nearest ft.) 1 2 E 1 8 9 11 15 17 21 A 2 23 24 26 30 32 36 H 3 38 39 41 45 47 51 S R E E N		SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to		GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68							
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		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.		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q		SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)							
DRILLERS LIC. NO. <u>MWD 304</u>		DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)		LIC. NO. <u>WCD 107</u>		TELESCOPE CASING 70 72 74 75 76 LOG INDICATOR OTHER DATA							

B 1 1 2 3 4 5 6 <u>33269</u>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER <u>H0-17-0002</u> fill in this form completely									
OWNER INFORMATION 8 MM DD YY 13 <u>Bates</u> <u>John</u> 15 Last Name Owner First Name 34 <u>8223 Spring Branch Ct</u> 36 Street or RFD 55 <u>Laurel</u> <u>MD</u> <u>20723</u> 57 Town 70 State 72 Zip 76		B 3 LOCATION OF WELL <u>Howard</u> 8 COUNTY 21 <u>Patuxent Springs</u> 23 SUBDIVISION 42 SECTION <u>44</u> 46 LOT <u>27</u> 48 50 <u>Stearnsville</u> 52 NEAREST TOWN 71										
DRILLER INFORMATION <u>David KELLY</u> <u>MW D304</u> Driller's Name 76 License No. 81 <u>Jones Well Drilling</u> Firm Name <u>3700 Bush Rd. Jarrettsville MD 21084</u> Address <u>David Kelly</u> <u>12/22/16</u> Signature Date		B 4 SOURCES OF DRILLING WATER 1. <u>potable well</u> 2. <u>1/18/17 - 1st bore</u> 3. <u>complete, grouting during inspection. 90' of casing. 1/2 gpm approx. (grout approx: 20 bags) depth = 400' (P)</u> <u>1/19/17 - 2nd bore</u> 11 STREET ADDRESS 30 <u>P223 Spring Branch Ct</u> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST ☒ EAST SOUTH 34 <u>180</u> 37 DISTANCE FROM ROAD FT ENTER FT OR MI 38 39 TAX MAP: <u>0046</u> BLK: <u>04</u> PARCEL <u>0194</u>										
B 2 WELL INFORMATION 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12 <u>0</u> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20 <u>0</u>		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <u>13</u> COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S → 41 DATE ISSUED <u>1/14/17</u> 43 MM DD YY 48 CO SIGNATURE EXP. DATE <u>1/14/18</u> DON: <u>1/17/17</u> DOG: <u>1/18/17</u> DOY: <u>N/A</u>										
USE FOR WATER (CIRCLE APPROPRIATE BOX) ☐ DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION ☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) 22 ☐ INDUSTRIAL, COMMERCIAL, DEWATERING ☐ PUBLIC WATER SUPPLY WELL ☐ TEST, OBSERVATION, MONITORING ☐ OPEN LOOP GEOTHERMAL ☒ CLOSED LOOP GEOTHERMAL <u>2 holes</u>		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 <u>900 holes</u> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>A</td> <td>B</td> </tr> <tr> <td>1</td> <td>26'</td> <td>37'</td> </tr> <tr> <td>2</td> <td>40'</td> <td>48'</td> </tr> </table> <u>Branch Ct.</u> <u>Spring</u> <u>5052 G7</u> <u>Stream Rd</u> <u>CCast Rd</u> <u>1/14/17 - 2nd bore - 81' casing</u> <u>had no H2O.</u> <u>grout to be</u> <u>N topped off</u> <u>on 1/20/17</u> <u>2nd bore →</u> <u>8 bags of</u> <u>grout so far.</u>			A	B	1	26'	37'	2	40'	48'
	A	B										
1	26'	37'										
2	40'	48'										
APPROXIMATE DEPTH OF WELL <u>400</u> FEET 24 28 APPROXIMATE DIAMETER OF WELL <u>6</u> INCH NEAREST INCH												
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) 37 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 39 ☐ 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 DEEPEN 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 <u>G</u> PERMIT No. <u>H0-17-0002</u> 70 71 72 73 74 75 76 77 78 79										
SPECIAL CONDITIONS <u>Grout bottom to top.</u> NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.												

Mark Rutherford - growt
John Holmes - driller
Tyler

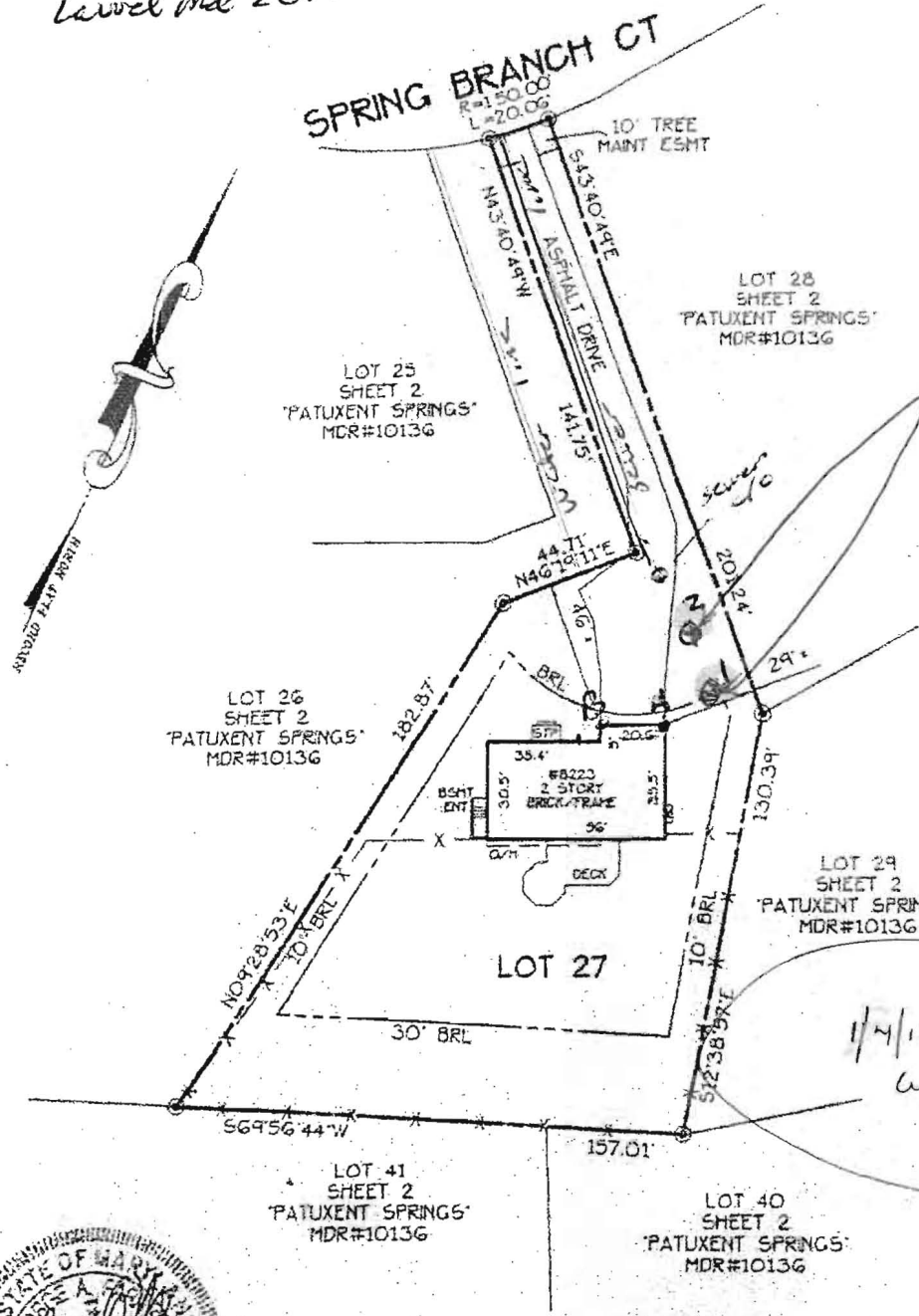
Tyler

DATE	RESULTS OF REVIEW FOR FILE
1/14/17	Site visit confirmed location of geo bore '12' per plan. House born on pub. utilities. Sur of east river <u>pond</u>
1/17/17	- Site visit driller onsite but rig not set up. Driller requested siting and staked. 2 new locations for the wells. New sites were measured out. Setbacks are still good and rig will be able to sit level on the 2 new locations. Changes made to well permit and well exhibit, driller expects to begin drilling tomorrow. <u>(RR)</u>
1/18/17	- drilling complete on 1 st bore, grouting began while on site, silt fence in place for sediment control but hole very dry, w/ben granular bentonite being used. <u>(RR)</u>
1/19/17	- Site visit driller onsite. grouting 2 nd bore which was dry - no water during the drilling, pulled casing on 1 st bore and grouting completed. 2 nd bore has 81' casing which will be pulled once the grouting is completed. Contractor will come back tomorrow to top off both wells. With grout. <u>(RR)</u>

This is a two page document and is not valid without both pages. See page two (or reverse) for Survey Notes.



Owner: John BATES
8223 Spring Branch Ct
Lanham Md 20723



geo holes

	A	B
1	26'	37'
2	40'	48'

25 MAY 2012
[Signature]
John Bates

1/4/16
low bones up ground.
(-1mm)



DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER

H0-17-0002

8223 SE SPRING BRANCH COURT

LOCATION DRAWING
LOT 27 SHEET 2

PATUXENT SPRINGS

6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 40' MAY 2012

INFORMATION GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND 21230

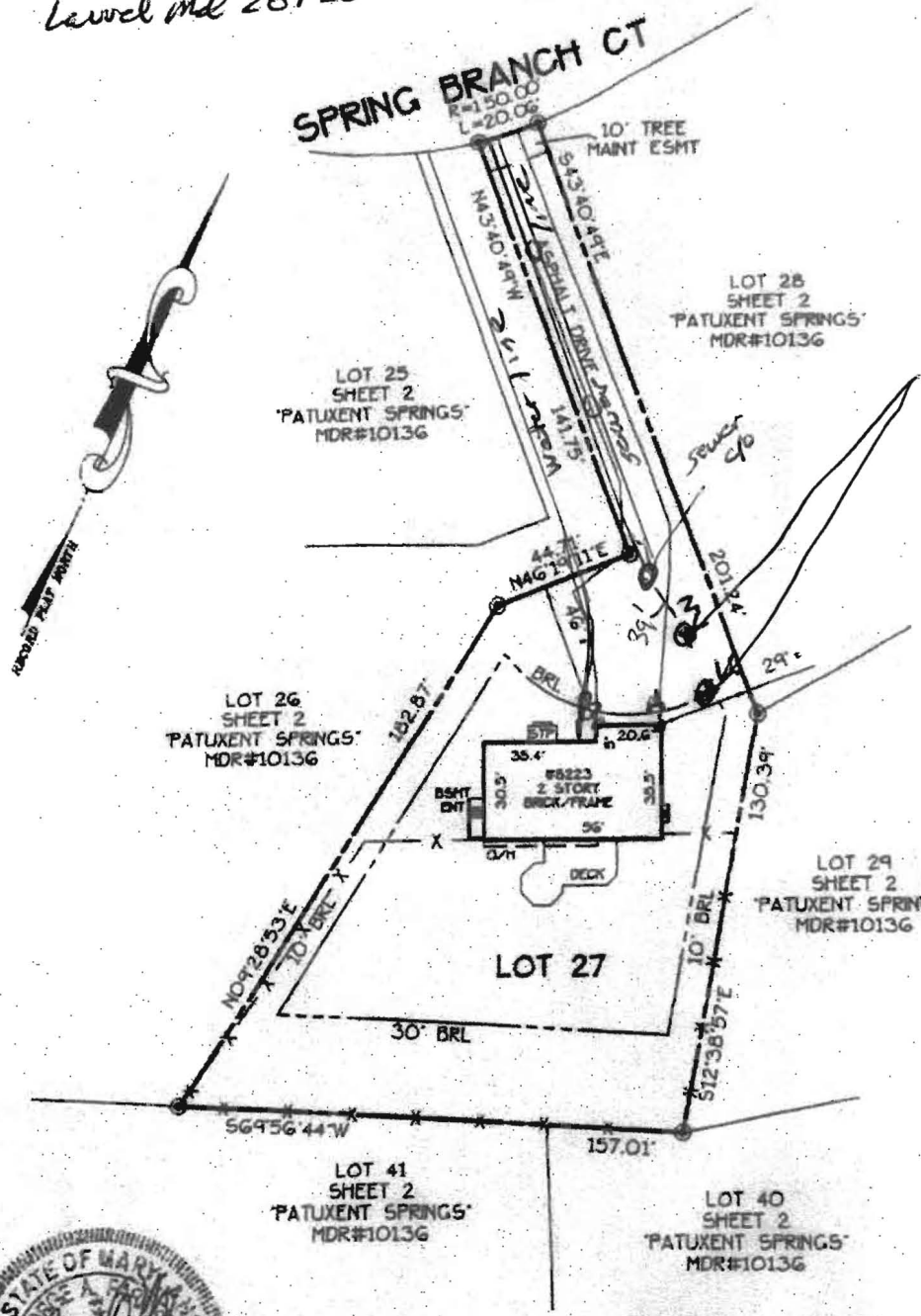
S#577 05/02/12
4/13



This is a two page document and is not valid without both pages. See page two (or reverse) for Survey Notes.



Owner: John BATES
8223 Spring Branch Ct
Lanver Md 20723



geo holes

	A	B
1	26'	37'
2	40'	48'

25 MAY 2012
[Signature]
John Bates



I hereby certify that the improvements shown hereon, to the best of my professional knowledge and ability, have been located by a transit, tape or total-station survey.

[Signature]

GEORGE A. PARRISH IV PROP. LS#577 05/02/12
LICENSE EXPIRATION DATE 03/24/13

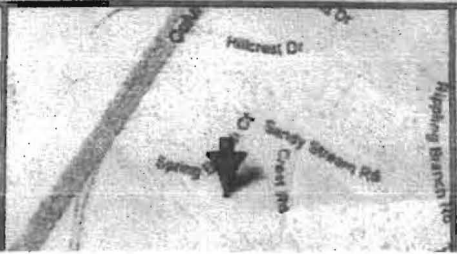
8223 SE SPRING BRANCH COURT MDR#10136

LOCATION DRAWING
LOT 27 SHEET 2

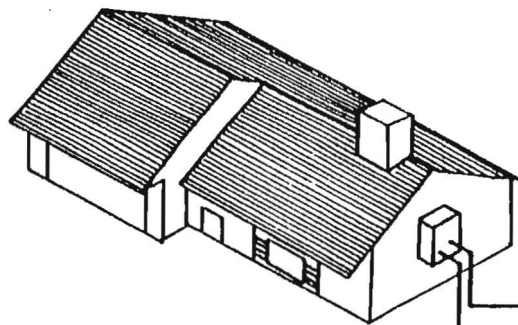
PATUXENT SPRINGS

6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

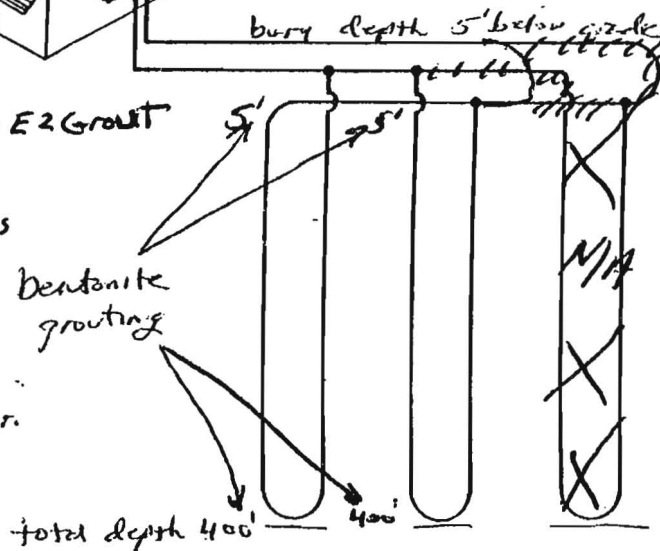
SCALE: 1" = 80' MAY 2012



Driller: Jones Well Drilling
 contact: David Kelly
 410-692-6981



Wyo-Ben bentonite-E2 GROUT
 (50 lb. bags)
 mixed with 24 gallons
 of water per
 manufacturer specs
 yields 27 gal. slurry
 with a 0.42 btu/ft-hr.
 thermal conductivity



Earth Coil Type: Vertical - Single U-Bend

Water Flow: Parallel

Pipe Sizes: 1 1/4" double Loop

Bore Lengths: 400' x 2 holes (800' vertical bore)

Pipe Lengths: 800 x 2 (1600 vertical pipe)

FIGURE 4.5: Parallel Vertical Ground Heat Exchanger

File	Home	Create	External Data	Database Tools
View	Paste	Cut	Filter	Ascending
Views	Clipboard	Copy	Sort & Filter	Descending
		Format Painter		Selection
				Advanced
				Remove Sort
				Toggle Filter
				Refresh All
				Save
				Records
				Delete
				More
				Totals
				Spelling
				Find
				Replace
				Go To
				Select
				Find
				Text Form

HOWARD COUNTY DEPARTMENT OF FINANCE

Legacy Water/Sewer - Master Data

Street Search

Account No 41050880

8223 SPRING BRANCH CT

LAUREL

207230000

Date Created: 2/22/1997

Building: LOT 27

Tax ID: 6 535461 Land Use: R

Subdivision:

Master Information**Application Data****Comments**

Name on Account: EZEKIEL & EVELYN VIFANSI

Service Type: Wtr/Swr Cycle: 3

Pay Status: D Bill Status: 0

Primary Billing Address

8223 SPRING BRANCH CT

LAUREL

MD

207230000

Secondary Billing Address**Meter Information**

Meter No: 8085243

ERT: 20804429

Date Instld: 6/8/1995

Manufact: BADGER

Meter Size: N/A-REMO

Perm Code: I

Compound: 1

Surch Code:

Surch Area: 0

Surch Rate: 0

Meter / SubMeter Info

Master Mtr:

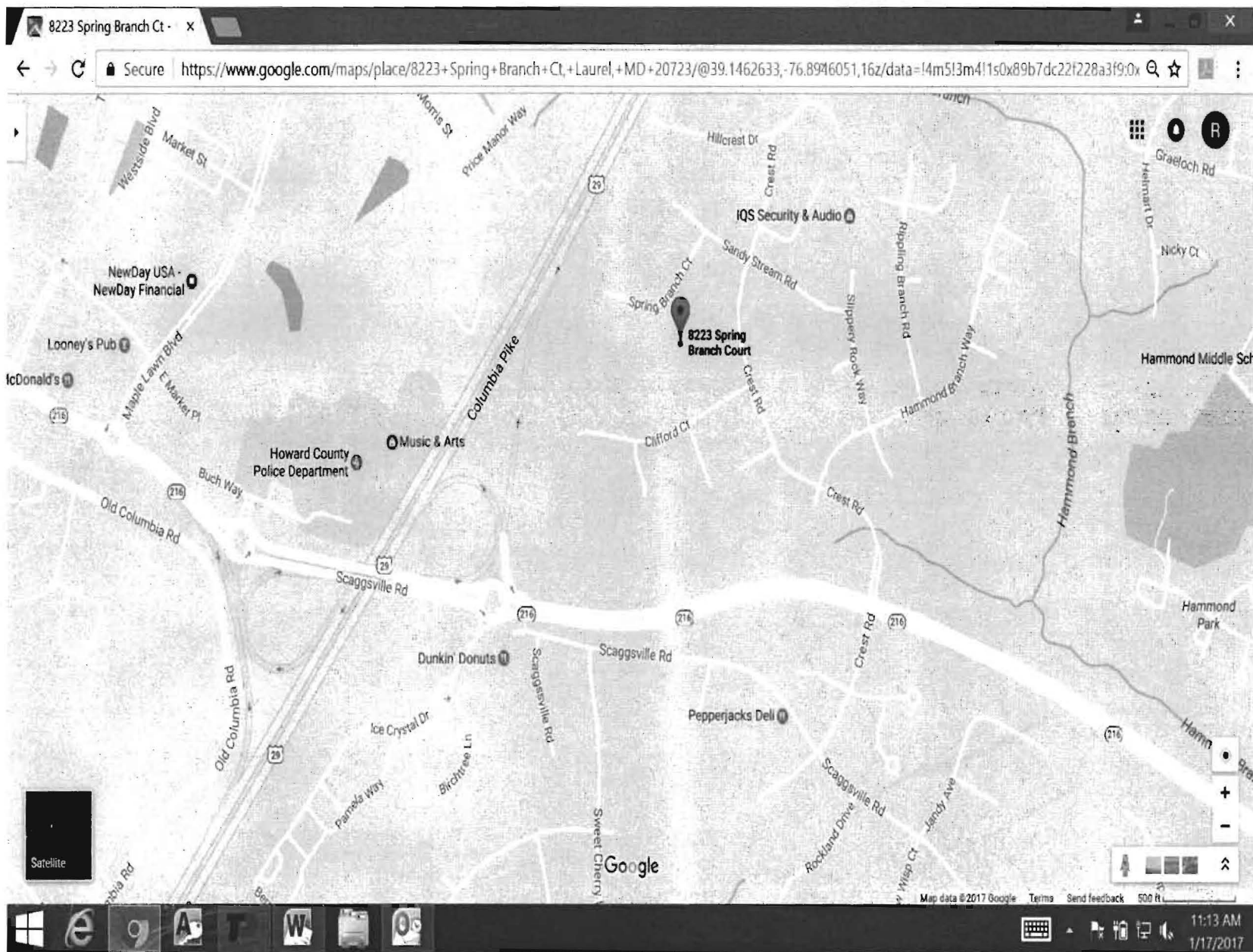
0

0

0

0

Meter Location: RADIO LEFT FRONT DOOR





Howard County
Health Department

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

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:

Antuxer Spring 27 8.223 Spring Branch Ct.
Subdivision/Property Name Lot# Road Name

☐ The well site has been staked by _____
(professional land surveyor or company employing professional land surveyors)
on _____ (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.

borderlines flagged with Ground Loop Htz + Air flags
12/15/16

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

Revised 3/11/05

Real Property Data Search (w1)

Guide to searching the database

Search Result for HOWARD COUNTY

View Map		View GroundRent Redemption		View GroundRent Registration	
Account Identifier:		District - 06 Account Number - 535461			
Owner Information					
Owner Name:	BATES JASON BATES IRENE		Use:	RESIDENTIAL	
Mailing Address:	8223 SPRING BRANCH CT LAUREL MD 20723-2031		Principal Residence:	YES	
			Deed Reference:	/14062/ 00041	
Location & Structure Information					
Premises Address:	8223 SE SPRING BRANCH CT LAUREL 20723-0000		Legal Description:	LOT 27 .527 A 8223 SPRING BRANCH CT PATUXENT SPRINGS	
Map:	Grid:	Parcel:	Sub District:	Subdivision:	Section: Block: Lot: Assessment Year: Plat No: 10136
0046	0004	0194		0000	27 2017 Plat Ref:
Special Tax Areas:			Town:	NONE	
			Ad Valorem:	104	
			Tax Class:		
Primary Structure Built	Above Grade Enclosed Area	Finished Basement Area	Property Land Area	County Use	
1995	2,548 SF	900 SF	22,956 SF		
Stories	Basement	Type	Exterior	Full/Half Bath	Garage Last Major Renovation
2	YES	STANDARD UNIT	FRAME	3 full/ 1 half	1 Attached
Value Information					
	Base Value	Value	Phase-in Assessments		
		As of 01/01/2017	As of 07/01/2016	As of 07/01/2017	
Land:	183,800	183,800			
Improvements	414,200	370,300			
Total:	598,000	554,100	598,000	554,100	
Preferential Land:	0			0	
Transfer Information					
Seller: VIFANSI EZEKIEL A		Date: 06/08/2012		Price: \$445,000	
Type: ARMS LENGTH IMPROVED		Deed1: /14062/ 00041		Deed2:	
Seller: TRAN TRIET T		Date: 10/20/2005		Price: \$679,000	
Type: ARMS LENGTH IMPROVED		Deed1: /09572/ 00485		Deed2:	
Seller: CORNERSTONE HOMES INC		Date: 06/30/1995		Price: \$245,000	
Type: ARMS LENGTH IMPROVED		Deed1: /09572/ 00485		Deed2:	
Exemption Information					
Partial Exempt Assessments:	Class	07/01/2016		07/01/2017	
County:	000	0.00			
State:	000	0.00			
Municipal:	000	0.00 0.00		0.00 0.00	
Tax Exempt:	Special Tax Recapture:				
Exempt Class:	NONE				
Homestead Application Information					
Homestead Application Status: Approved 08/07/2012					

3. The following information is provided for your information only. It is not intended to be used for any other purpose. We have confidence in