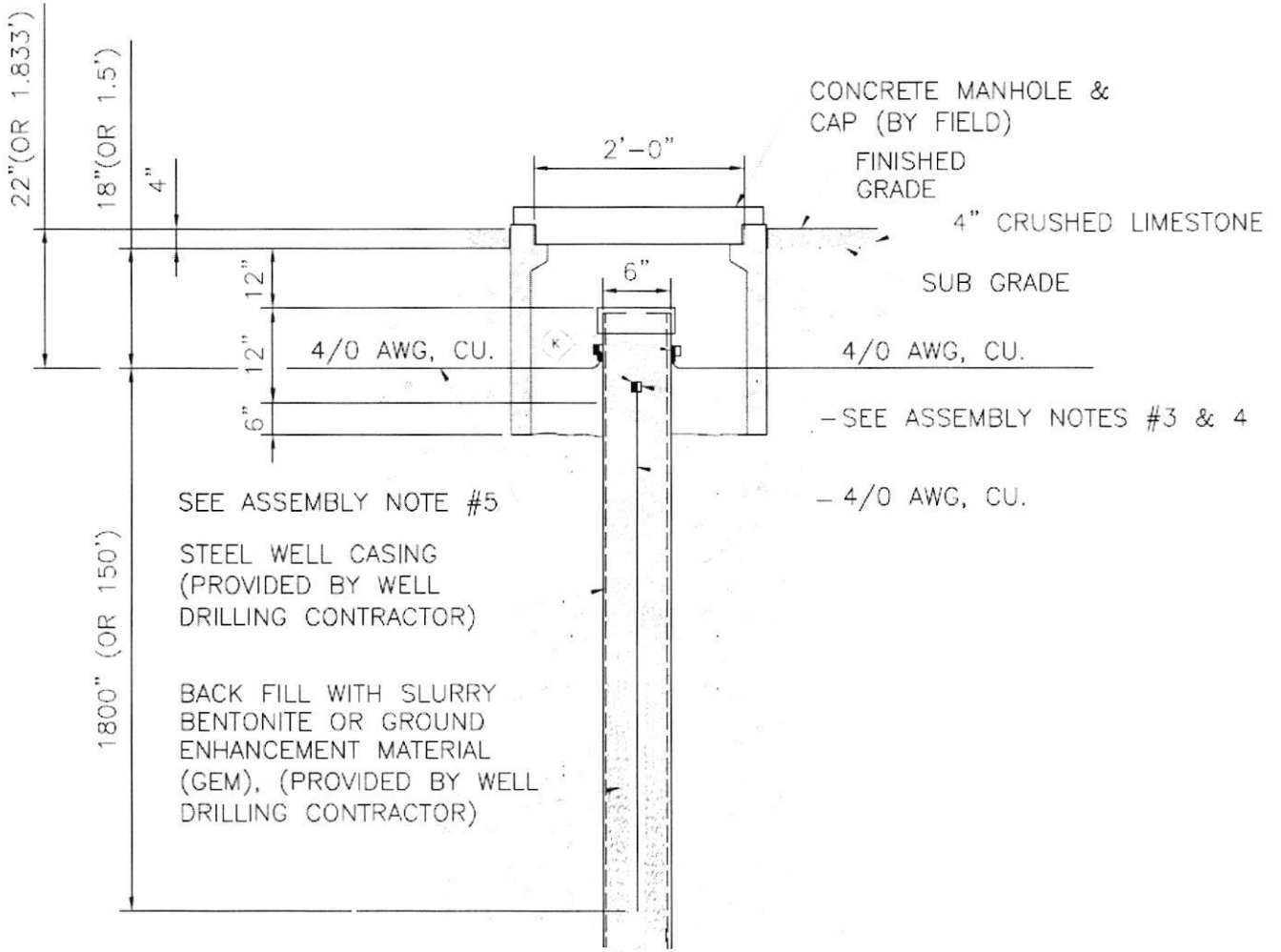


B 1	79571	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 571524	STATE PERMIT NUMBER 40-20-0179 <small>fill in this form completely</small>
1 2 3 6	Date Received (APA) 8 MM DD YY 13 04 28 22 OWNER INFORMATION 15 Last Name Owner First Name 34 BGF 36 Street or RFD 55 PO Box 1475 57 Town 70 State 72 Zip 76 Balto MD 21203		B 3 LOCATION OF WELL 8 COUNTY 21 Baltimore 23 SUBDIVISION 42 Chestnut Hill Substation SECTION 44 46 LOT 48 50 Box #4 52 NEAREST TOWN 71 Ellicott City	
DRILLER INFORMATION 76 Driller's Name License No. 81 Michael Barlow MW D355 37 Firm Name Barlow Well Drilling 38 Address 522 UNDERWOOD LANE 21014 39 Signature Date [Signature] 4/20/2022		B 4 SOURCES OF DRILLING WATER 11 STREET ADDRESS 30 Baltimore National Pk 1. Well 2. 3. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH 34 2800 37 DISTANCE FROM ROAD FT ENTER FT OR MI 38 39 TAX MAP: _____ BLK: _____ PARCEL _____		
B 2	WELL INFORMATION 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12 0 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20 0		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME Howard COUNTY NO. 13 STATE SIGNATURE _____ INSERT S → 41 DATE ISSUED 5/17/22 CO SIGNATURE [Signature] EXP. DATE 5/17/23 43 MM DD YY 48	
USE FOR WATER (CIRCLE APPROPRIATE BOX) 22 <input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input checked="" type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING Electric Ground Well <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 150 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH		
METHOD OF DRILLING (circle one) 30 BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) 37 CABLE REVerse-ROTary Drive-POINT other _____		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 tower tower 234 Access Rd 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.		
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) 39 <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 <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 DEEPEM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52		APPROXIMATE DEPTH OF WELL 150 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH		
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER _____ G _____ PERMIT No. 40-20-0179 70 71 72 73 74 75 76 77 78 79		SPECIAL CONDITIONS NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED		

C 1	76331	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 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)				
ST/GO USE ONLY DATE Received MM DD YY 10 27 2022		DATE WELL COMPLETED MM DD YY 06 09 2022		PERMIT NO. FROM "PERMIT TO DRILL WELL" Ho-20-0179
OWNER BGE		Depth of Well 150 (TO NEAREST FOOT)		28 29 30 31 32 33 34 35 36 37
WELL SITE ADDRESS last name first name Baltimore National Park		TOWN Zilcoth City		
SUBDIVISION Chestnut Hill Substation		SECTION		LOT Bore 4
WELL LOG Not required for driven wells		GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) yes no <input checked="" type="checkbox"/> Y <input type="checkbox"/> N 44 44		C 3 1 2 PUMPING TEST
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		TYPE OF GROUTING MATERIAL (Circle one) CEMENT <input checked="" type="checkbox"/> CM BENTONITE CLAY <input checked="" type="checkbox"/> BC		HOURS PUMPED (nearest hour) _____ 8 9
DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing	PUMPING RATE (gal. per min.) _____ 11 15
	FROM	TO		METHOD USED TO MEASURE PUMPING RATE _____
Soil	0	5		WATER LEVEL (distance from land surface)
Brown shale	5	34		BEFORE PUMPING _____ ft. 17 20
Med GRAI Rock	34	150		WHEN PUMPING _____ ft. 22 25
Hide Filled with Bentonite AFTER the INSERTION OF A Ground Rod				TYPE OF PUMP USED (for test)
				<input checked="" type="checkbox"/> A air <input type="checkbox"/> P piston <input type="checkbox"/> T turbine
				<input type="checkbox"/> C centrifugal <input type="checkbox"/> R rotary <input type="checkbox"/> O other (describe below)
				<input type="checkbox"/> J jet <input type="checkbox"/> S submersible
				PUMP INSTALLED
				DRILLER INSTALLED PUMP 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. _____ 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)
				<input checked="" type="checkbox"/> + above } LAND SURFACE
				<input type="checkbox"/> - below } (nearest foot)
				LATITUDE 39.300732
				LONGITUDE 76.799282
				(DEFAULT COORD. WGS 84)
				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.
NUMBER OF UNSUCCESSFUL WELLS: _____	C 2 1 2 DEPTH (nearest ft.)			
WELL HYDROFRACTURED yes no <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	E 1 _____ 11 15 17 21			
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	C 2 _____ 23 24 26 30 32 36			
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.	S 3 _____ 38 39 41 45 47 51			
DRILLERS LIC. NO. 1 M D 355	R 3 _____ 38 39 41 45 47 51			
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	E 3 _____ 38 39 41 45 47 51			
LIC. NO. 1 D 0113	N _____ 38 39 41 45 47 51			
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	SLOT SIZE 1 _____ 2 _____ 3 _____			
	DIAMETER OF SCREEN (NEAREST INCH) _____ 56 _____ 60 _____			
	GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 _____ 68			
	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)			
	T (E.R.O.S.) W Q			
	70 _____ 72 _____			
	TELESCOPE CASING LOG INDICATOR OTHER DATA _____ 74 75 76			



GENERAL NOTES

VCS (Utility Construction Services)

Roger Wettanen (Quality Control)

443-877-8480

roger.wettanen@vcsweb.com

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