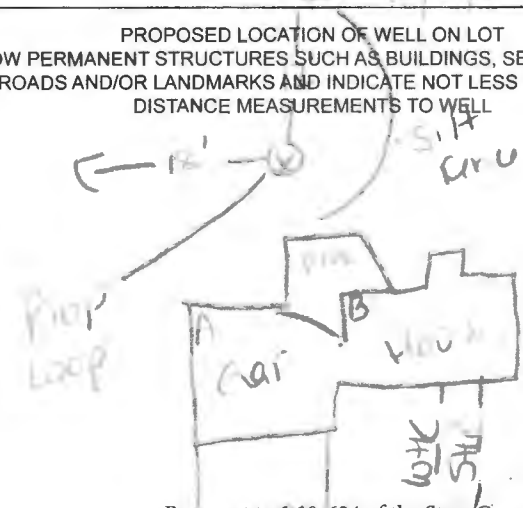


HoCo Health Depart
DEC 08 2022
Environmental Health

06-452760

EMERGENCY/TEMP NO. IF ANY

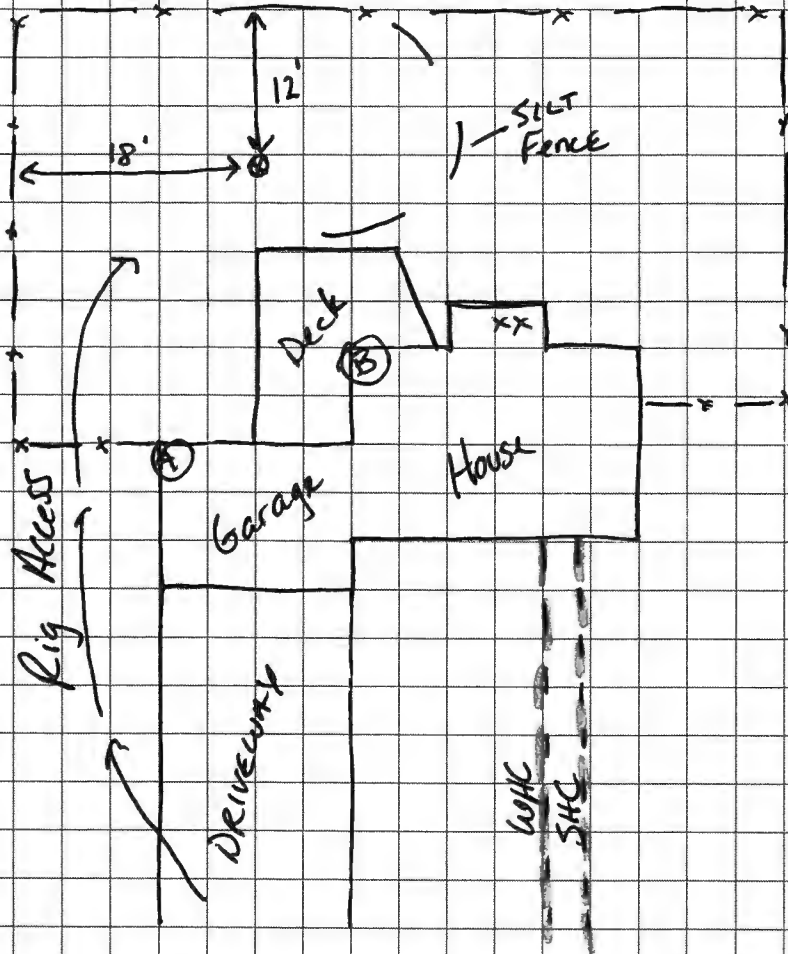
B 1	SEQUENCE NO. (MDE USE ONLY) <u>87302</u>	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type <u>152161</u>	STATE PERMIT NUMBER <u>HO-20-0230</u> <small>70 fill in this form completely 79</small>
1 2 3 6	OWNER INFORMATION Date Received (APA) <u>9/20/22</u> <small>8 MM DD YY 13</small> <u>Paul A TR</u> <small>15 Last Name Owner First Name 34</small> <u>8024 Camerado Ct</u> <small>36 Street or RFD 55</small> <u>Jessup MD 20794</u> <small>57 Town 70 State 72 Zip 76</small>		LOCATION OF WELL <u>Howard</u> <small>8 COUNTY 21</small> <u>Greenbriar Woods</u> <small>23 SUBDIVISION 42</small> <small>SECTION 44 46 LOT 48 50</small> <u>Columbia</u> <small>52 NEAREST TOWN 71</small>
DRILLER INFORMATION <u>Michael Kohler</u> <small>76 Driller's Name License No. 81</small> <u>M S D 028</u> <small>Firm Name</small> <u>Applied Well Drilling</u> <small>Address</small> <u>PO Box 129 Annapolis Junction MD 20701</u> <small>Signature Date</small> <u>Michael Kohler 09/20/22</u>		SOURCES OF DRILLING WATER 1. <u>Public</u> 2. 3. 8024 Camerado Ct <small>11 STREET ADDRESS 30</small> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <small>34 37</small> <small>ENTER FT OR MI 38 39</small> TAX MAP: <u>0042</u> BLK: _____ PARCEL: <u>0411</u>	
B 2	WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) <u>8</u> <small>1 2</small> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <u>14</u> <small>1 20</small>		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <u>Howard</u> <u>(13)</u> <small>COUNTY NAME COUNTY NO.</small> STATE SIGNATURE _____ INSERT S → _____ <small>DATE ISSUED 41</small> <u>9/20/22</u> <u>John N. Hall</u> <u>9/20/2023</u> <small>43 MM DD YY 48 CO SIGNATURE EXP. DATE</small>
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input checked="" 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 <small>22</small>		APPROXIMATE DEPTH OF WELL <u>500</u> FEET <small>24 28</small> APPROXIMATE DIAMETER OF WELL <u>6</u> INCH <small>NEAREST</small>	
METHOD OF DRILLING (circle one) BORED (or Augered) <input checked="" type="checkbox"/> JETTED <input type="checkbox"/> Jetted & DRIVEN <input type="checkbox"/> <small>30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)</small> <small>37 CABLE REVerse-ROTary DRive-POINT</small> 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 	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <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 <small>39</small> PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52		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.	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER _____ <u>G</u> _____ PERMIT No. <u>HO-20-0230</u> <small>70 71 72 73 74 75 76 77 78 79</small>		SPECIAL CONDITIONS <u>Grout bottom to top.</u> <small>NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED</small>	

AB
3624



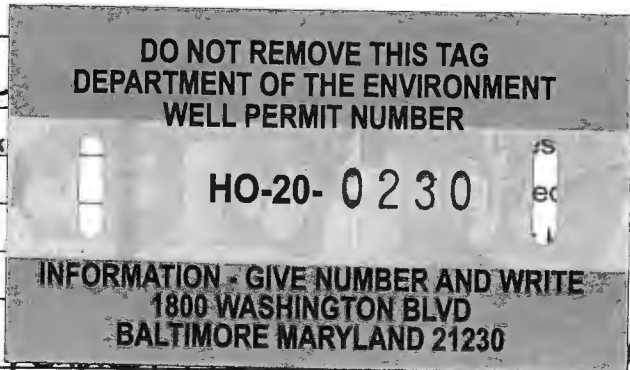
8024 Camerado Court
Jessup Md
1 @ 500' 1.25"
closed loop geothermal

SITE PLAN



Sediment Control Protocol: SILT FENCE

Distance From House: 24
 From Septic: N/A
 From Sewer: 50'+
 From Property Line: 12'
 From Street: 50'+



Is Being Removed
 NO
 YES
 YES

Comments: Tree Being Removed for Access with Rig ✓

Red. fence Being

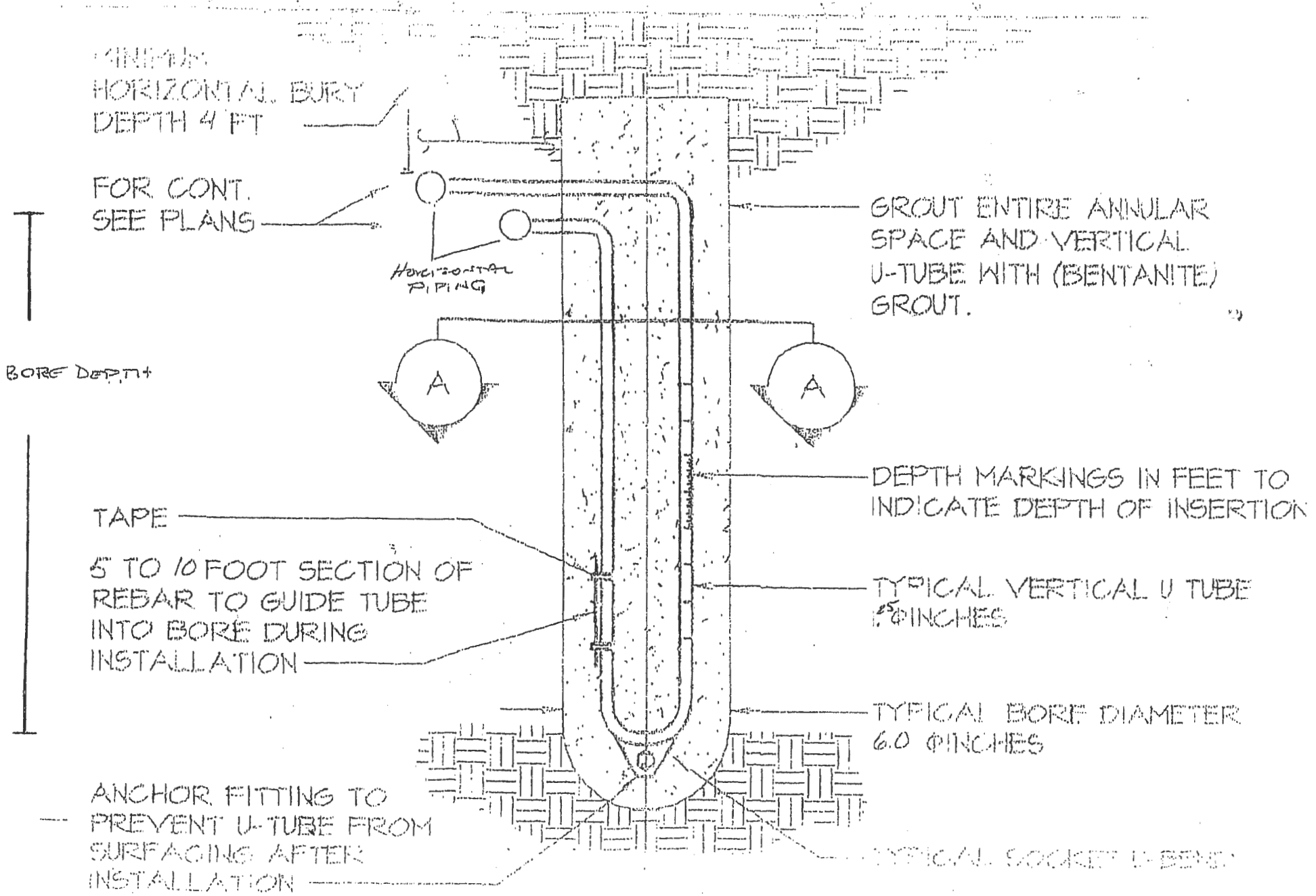
Person Completing Form: Wes

HOWARD COUNTY GROUTING PROCEDURE

Boreholes will be grouted from the bottom to the top via a tremie pipe and positive displacement pump. Bentonite grout, known as Quik-Grout will be used according to the manufacturer's specifications to achieve a consistency of at least 20% solids (24 gallons potable water/50 lb. sack of grout) and a permeability no more than $2.5 \text{ E}(-08) \text{ cm/sec}$. Grouting will be completed immediately after installing the geothermal loop and no later than twenty-four (24) hours after installing the geothermal loop. Open boreholes/annular space will be protected as necessary to prevent the entry of surface water or pollutants.

GRADE

EACH BORE HOLE (TYP.)



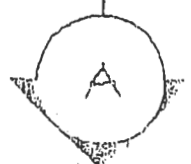
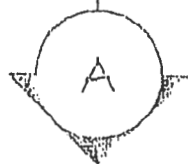
MINIMUM
HORIZONTAL BURY
DEPTH 4 FT

FOR CONT.
SEE PLANS

HORIZONTAL
PIPING

GROUT ENTIRE ANNULAR
SPACE AND VERTICAL
U-TUBE WITH (BENTONITE)
GROUT.

BORE DEPTH



DEPTH MARKINGS IN FEET TO
INDICATE DEPTH OF INSERTION

TAPE

5 TO 10 FOOT SECTION OF
REBAR TO GUIDE TUBE
INTO BORE DURING
INSTALLATION

TYPICAL VERTICAL U TUBE
1.5 INCHES

TYPICAL BORE DIAMETER
6.0 INCHES

ANCHOR FITTING TO
PREVENT U-TUBE FROM
SURFACING AFTER
INSTALLATION

TYPICAL SOCKET U-BEND

RECEIPT

Howard County, MD
HOWARD COUNTY HEALTH DEPARTMENT
ASCEND ONE BUILDING
Columbia, MD 21045
8930 STANFORD BLVD

Application: WS-WP-22-02912
Application Type: EnvHealth/Well and Septic/Installation/Application
Address: 8024 Cameroda CT, 0042 Jessup, MD 20794

Receipt No.	4860					
Payment Method	Ref Number	Amount Paid	Payment Date	Cashier ID	Received	Comments
Check	72161	\$160.00	09/06/2022	VDEKRONEY		
Owner Info.:	Michel Kohler 8024 Cameroda CT Jessup, MD 20794					
Work Description:	Receipt #72161					