



HOWARD COUNTY HEALTH DEPARTMENT

71490

DATE 4/11/22

Received From

allied Emv. Service

PHONE #

301 776-8370

For

Weld Permit / 13995

☐ CASH

☒ CHECK

NO.

27519

One hundred sixty

Dollars

\$

160.00

Received By

A King

C1 71270		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 07 22 13		DATE WELL COMPLETED MM DD YY 6-8-23 05/25/2022		Depth of Well 22 400 26 (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-20-1174													
OWNER WELL SITE ADDRESS SUBDIVISION		last name 13955 Tridolph		first name TOWN Dryden		LOT													
WELL LOG Not required for driven wells		GROUTING RECORD		C3		PUMPING TEST													
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use additional sheets if needed) <table border="1" style="width:100%;"><thead><tr><th rowspan="2"></th><th colspan="2">FEET</th><th rowspan="2">check if water bearing</th></tr><tr><th>FROM</th><th>TO</th></tr></thead><tbody><tr><td>Brn Sand</td><td>0</td><td>60</td><td></td></tr><tr><td>Shale</td><td>60</td><td>400</td><td></td></tr></tbody></table>			FEET		check if water bearing	FROM	TO	Brn Sand	0	60		Shale	60	400		WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N 44 44		HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 11 15 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20 ft. WHEN PUMPING 22 25 ft. TYPE OF PUMP USED (for test) A air P piston T turbine 27 27 27 C centrifugal R rotary O other (describe below) 27 27 27 J jet S submersible 27 27	
				FEET		check if water bearing													
		FROM		TO															
		Brn Sand	0	60															
		Shale	60	400															
TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC																			
NO. OF BAGS 45 46 NO. OF POUNDS 45 46																			
GALLONS OF WATER 1000																			
DEPTH OF GROUT SEAL (to nearest foot) from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)																			
Casing types insert appropriate code below <table border="1" style="width:100%;"><tr><td>ST STEEL</td><td>CO CONCRETE</td></tr><tr><td>PL PLASTIC</td><td>OT OTHER</td></tr></table> MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot) 60 61 63 64 66 70		ST STEEL	CO CONCRETE	PL PLASTIC	OT OTHER	OTHER CASING (if used) EACH CASING diameter inch depth (feet) from to Casing													
		ST STEEL	CO CONCRETE																
		PL PLASTIC	OT OTHER																
		SCREEN RECORD screen type or open hole (insert appropriate code below) <table border="1" style="width:100%;"><tr><td>ST STEEL</td><td>BR BRASS BRONZE</td><td>HO OPEN HOLE</td></tr><tr><td>PL PLASTIC</td><td>OT OTHER</td><td></td></tr></table>		ST STEEL	BR BRASS BRONZE			HO OPEN HOLE	PL PLASTIC	OT OTHER									
		ST STEEL	BR BRASS BRONZE	HO OPEN HOLE															
PL PLASTIC	OT OTHER																		
DEPTH (nearest ft.) 1 2 A 8 9 11 15 17 21 C 23 24 26 30 32 36 S 38 39 41 45 47 51 R 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																			
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																			
DRILLERS LIC. NO. 1 M 5 D 028 1 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 M 5 D 028 1 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)		PUMP INSTALLED DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or 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 } LAND SURFACE - below } (nearest foot) 49 50 51																	
LATITUDE 39.26265 LONGITUDE 76.99504 (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.																			

05-391652

EMERGENCY/TEMP NO. IF ANY

B 1 08000 1 2 3 6	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 571490 please type	STATE PERMIT NUMBER HO - 20 - 0174 70 fill in this form completely 79
Date Received (APA) 8 MM DD YY 13 04/11/22 OWNER INFORMATION 15 Last Name Owner First Name 34 Bass Jennifer Robert 36 Street or RFD 55 13995 Triadelphia Mill Rd Dayton MD 21036 57 Town 70 State 72 Zip 76		B 3 LOCATION OF WELL 8 COUNTY 21 Howard 23 SUBDIVISION 42 Triadelphia Mill Farm SECTION 44 46 LOT 48 50 14 Dayton 52 NEAREST TOWN 71	
DRILLER INFORMATION Driller's Name 76 License No. 81 Michael Kohler M S D 028 Firm Name Allied Well Drilling Address P.O. Box 129 Annapolis Junction MD 20701 Michael J Kohler 04/08/22 Signature Date		B 4 SOURCES OF DRILLING WATER 1. Public 2. 3. 11 STREET ADDRESS 30 13995 Triadelphia Mill Rd ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST 32 EAST SOUTH 34 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 0028 BLK: PARCEL 0138	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME 13 Howard COUNTY NO. STATE SIGNATURE INSERT S 41 DATE ISSUED 4/11/22 43 MM DD YY 48 CO SIGNATURE 4/11/23 EXP. DATE	
USE FOR WATER (CIRCLE APPROPRIATE BOX) [D] DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION [F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) 22 [I] INDUSTRIAL, COMMERCIAL, DEWATERING [P] PUBLIC WATER SUPPLY WELL [T] TEST, OBSERVATION, MONITORING [O] OPEN LOOP GEOTHERMAL [C] CLOSED LOOP GEOTHERMAL 2 loops		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 4/11/22 6/8/22 83' 71" 71' 78" Proposed loops 15'	
APPROXIMATE DEPTH OF WELL 400 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 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) [N] THIS WELL WILL NOT REPLACE AN EXISTING WELL [Y] THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 [S] THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS [D] THIS WELL WILL DEEPEM AN EXISTING WELL 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) APPROX. PERMIT NUMBER - - - - - G - - - - - PERMIT No. HO - 20 - 0174 70 71 72 73 74 75 76 77 78 79			
SPECIAL CONDITIONS NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED. grout bottom to top			

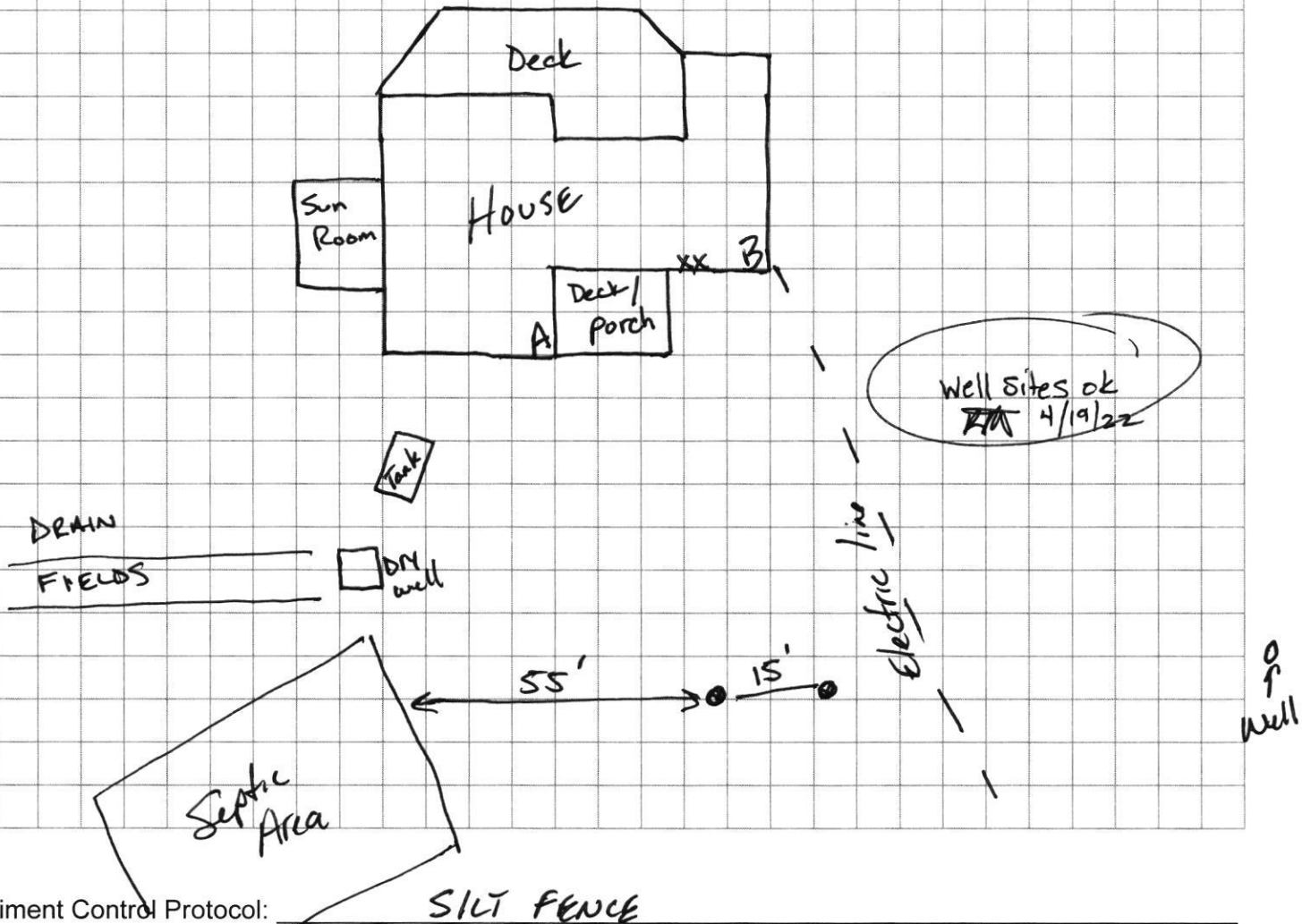
05-391652-22-0011

A, B,
83, 71,
71, 78



13995 Triadelphia Mill Rd
Dayton Md

2 wells @ 400' each
1.25" closed loop
geothermal



Sediment Control Protocol:

SILT FENCE

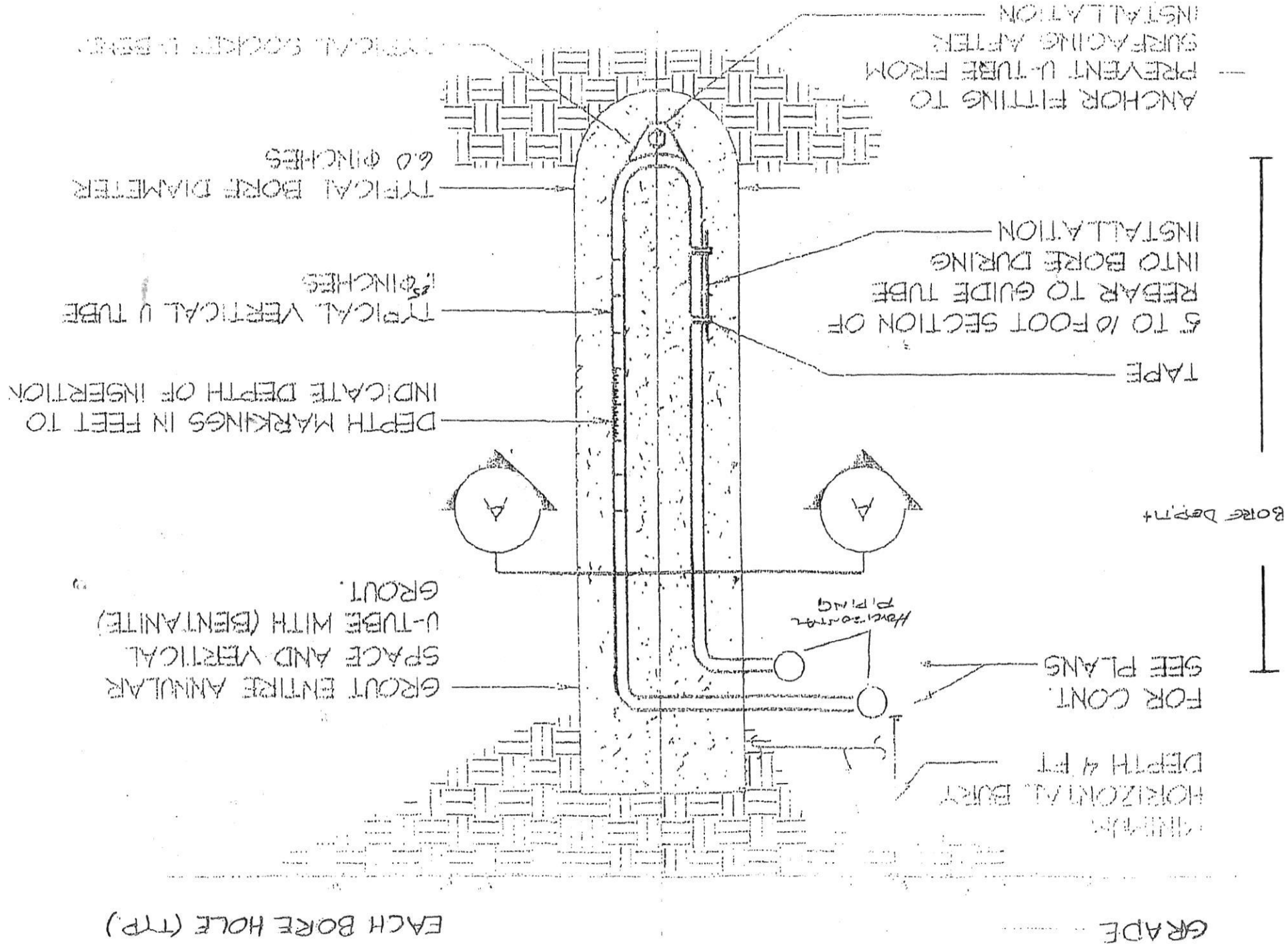
Distance From House: 77'
From Septic: 55'
From Sewer: N/A
From Property Line: 50' +
From Street: 100' +

Trees Nearby: Yes But Being Removed
Utility Issues: Electric 10' Away
Mats Needed: Yes
Access For H/U: Yes
Neighboring Tags: See Comp

Comments: _____

Person Completing Form: Wes Wolfe

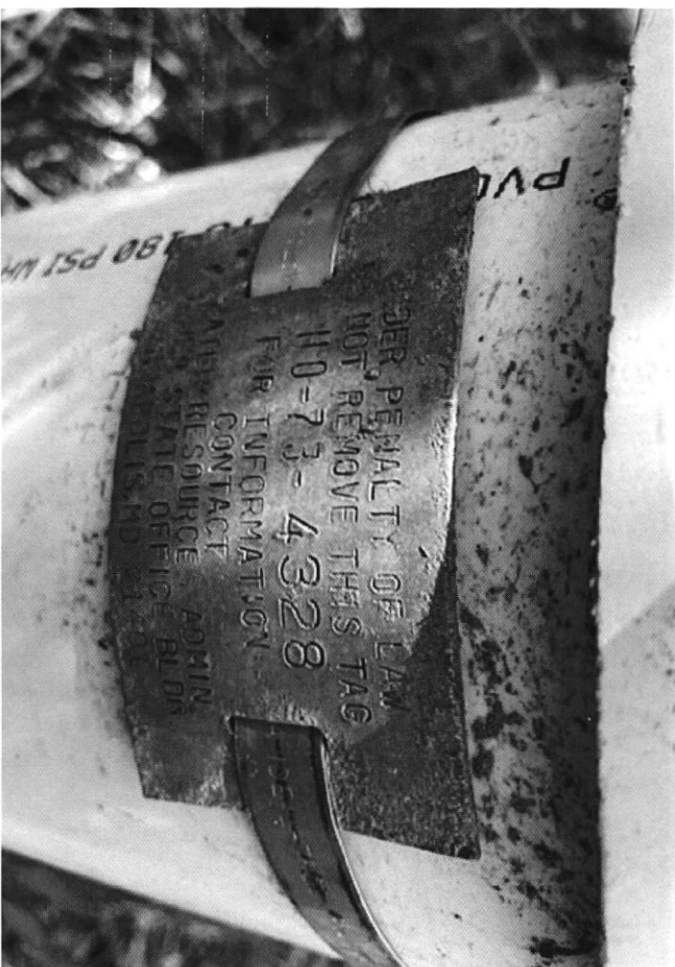
EACH BORE HOLE (TYP)



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 2.5×10^{-8} 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.

13995 Triadelphia Mill Rd. 4/19/22



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