

02-392275

EMERGENCY/TEMP NO. IF ANY

TAG = GBO WELL

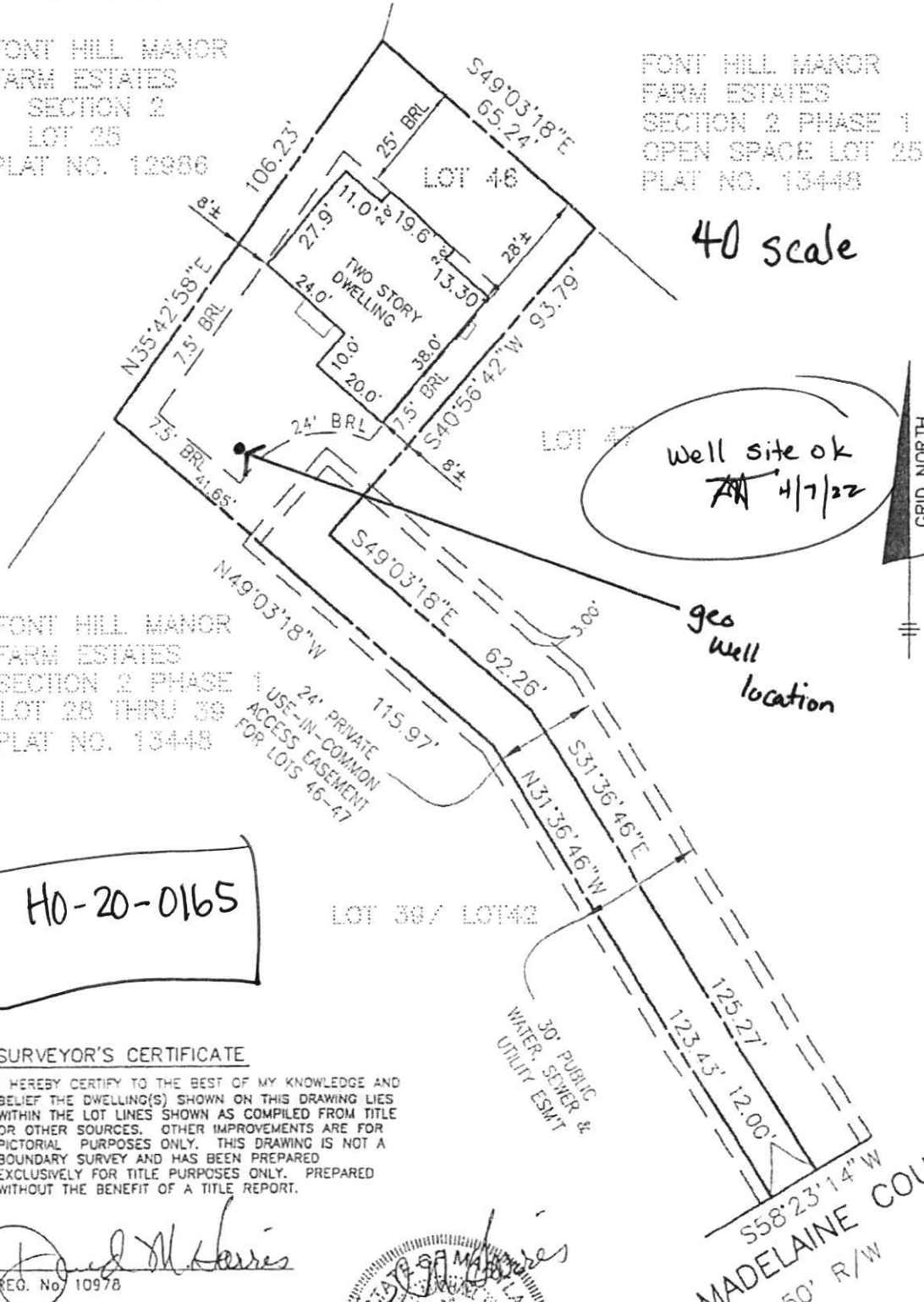
B 1	83519	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 571474 please type	STATE PERMIT NUMBER HO - 20 - 0165 <small>70 fill in this form completely 79</small>
Date Received (APA) 8 03 30 22 8 MM DD YY 13		OWNER INFORMATION		
15 Last Name Hous Philip + Fu Sabrina		21 First Name		
36 Street or RFD 9817 Madeline Ct		55		
57 Town Ellicott City MD		70 State		72 Zip 21042
DRILLER INFORMATION		B 3 LOCATION OF WELL		
76 Driller's Name Michael Kohler M S D 028		8 COUNTY Howard		
81 License No.		23 SUBDIVISION Font Hill Manor Estates 2		
Firm Name Allied Well Drilling		SECTION Ellicott City		
Address PO Box 129 Annapolis Junction MD 20701		44 SECTION 46 LOT 48 50		
Signature Michael Kohler		52 NEAREST TOWN		
Date 03/25/22		B 4 SOURCES OF DRILLING WATER		
B 2 WELL INFORMATION		1. Public		
1 APPROX. PUMPING RATE (GAL. PER MIN.)		11 STREET ADDRESS 9817 NW Madeline Ct		
2		30		
8		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)		
12		34 125 37		
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)		DISTANCE FROM ROAD ENTER (FT OR MI) 38 39		
14		ENTER (FT OR MI) 38 39		
20		TAX MAP: 0024 BLK: PARCEL 0725		
USE FOR WATER (CIRCLE APPROPRIATE BOX)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL		
<input 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 checked="" type="checkbox"/> CLOSED LOOP GEOTHERMAL 1 Loop		COUNTY NAME Howard COUNTY NO. 13 STATE SIGNATURE _____ INSERT S → 41 DATE ISSUED 4/7/22 CO SIGNATURE [Signature] EXP. DATE 4/7/23 <small>43 MM DD YY 48</small>		
APPROXIMATE DEPTH OF WELL 400 FEET		DON: 4/11/22 (57) POC: 04/12/2022 P DOY: N/A 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 60' @ 11:20 AM OBS ADEQUATE GROUT IN GBO BORO 		
APPROXIMATE DIAMETER OF WELL 6 INCH		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.		
METHOD OF DRILLING (circle one)		39 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 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52		
<input checked="" type="checkbox"/> BORED (or Augered) AIR-ROTary <input type="checkbox"/> JETTED AIR-PERCussion <input type="checkbox"/> Jetted & DRIVEN ROTARY (Hydraulic Rotary) <input type="checkbox"/> CABLE REVERSE-ROTary <input type="checkbox"/> DRIVE-POINT other _____		Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER _____ G _____ PERMIT No. HO - 20 - 0165 <small>70 71 72 73 74 75 76 77 78 79</small>		
SPECIAL CONDITIONS		grout bottom to top		

NOTE:

1. THIS DRAWING IS OF BENEFIT TO A CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING.
2. THE DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS.
3. THE DRAWING DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES. BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.
4. ALL BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS SHOWN HEREON ARE IN APPROXIMATE RELATION TO THE APPARENT BOUNDARY LINES.
5. DECLARATION IS MADE TO ORIGINAL PURCHASER OF THE DRAWING. IT IS NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

FONT HILL MANOR
FARM ESTATES
SECTION 2
LOT 25
PLAT NO. 12986

FONT HILL MANOR
FARM ESTATES
SECTION 2 PHASE 1
OPEN SPACE LOT 25
PLAT NO. 13448



FONT HILL MANOR
FARM ESTATES
SECTION 2 PHASE 1
LOT 28 THRU 39
PLAT NO. 13448

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THE DWELLING(S) SHOWN ON THIS DRAWING LIES WITHIN THE LOT LINES SHOWN AS COMPILED FROM TITLE OR OTHER SOURCES. OTHER IMPROVEMENTS ARE FOR PICTORIAL PURPOSES ONLY. THIS DRAWING IS NOT A BOUNDARY SURVEY AND HAS BEEN PREPARED EXCLUSIVELY FOR TITLE PURPOSES ONLY. PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.

David M. Harris
REG. No. 10978



RECORD PLAT No. 13458
FEMA FIRM No. 240044 0023 B
ZONE: C
DATED: 12/4/86

BENCHMARK

LOCATION DRAWING
FONT HILL MANOR
FARM ESTATES
SECTION 2 - PHASE 2
LOTS 40 THRU 58

A B C
45' 28' 35'



9817 Madeline Ct
Ellicott City Md 21042

SITE PLAN

1 well @ 400'
Closed loop
geothermal

HO-20-0165

* NOTES

DISTANCE TO UTILITIES

VERIZON - 42"

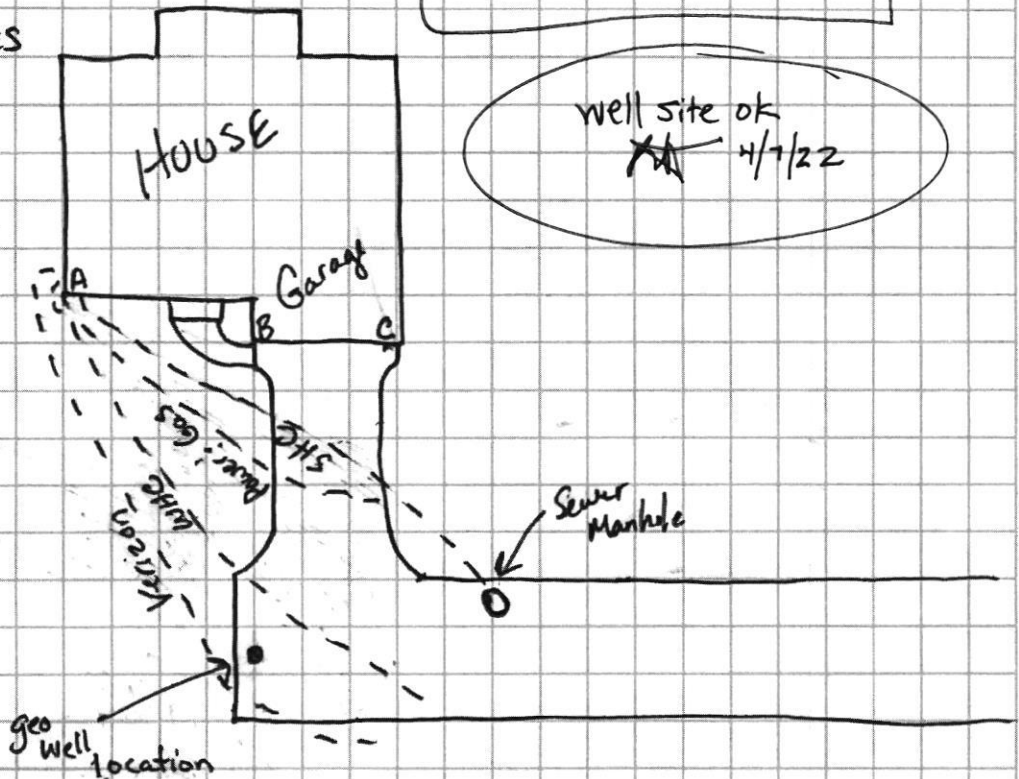
WATER - 78"

POWER & GAS - 17'

SEWER - 19'

OK

well site ok
4/7/22



Sediment Control Protocol: SILT FENCE

Distance From House: 28'

From Septic: N/A

From Sewer: 19'

From Property Line: 29' Directly Behind well, 14' Left of well

From Street: 15' from end of easement

Trees Nearby: NO

Utility Issues: YES. ALL MARKED !!!

Mats Needed: NO

Access For H/U: N/A BY OTHERS

Neighboring Tags: See COMPS

Comments: ALL UTILITIES HAVE BEEN CLEARLY MARKED. PROPERTY LINES & EASEMENTS HAVE BEEN SCALED. ASPHALT DRIVEWAY.

Person Completing Form: Wesley Wolfe MWD-598

Invoice Date: Jan 20, 2022

Customer Name: Ground Loop Heating & Air

Service Address:

Services

Radio Frequency and Ground Penetrating Radar Site Clearing (RF and GPR) \$450.00

The area within the scope of work will be scanned in both Power and Radio Modes. A traceable signal will be applied to requested targets: visible/accessible utilities, manholes, pull-boxes and pedestals to verify utilities. Ground Penetrating Radar used when needed to scan for anomalies unable to take a signal. All found utilities will be marked with industry standard spray paint, construction marker and/or flags. 2 hour minimum

Paid \$450.00

Miss Utility

Ticket number	22225532	Type	STANDARD IX
Update of	22191145	Update count	1
Original call date	03/28/22 12:08 pm	Op / Rev op	webusr4 / webusr4
Response due by	03/30/22 11:59 pm	Release time	03/28/22 12:08 pm
Expiration date	04/13/22 11:59 pm		

Excavator information

Company	ALLIED ENVIRONMENTAL SERVICE		
Address	PO BOX 129	Fax	301-776-8374
	ANNAPOLIS JUNCTION, MD 20701		
Caller	DONNA PEREZ	Phone	301-776-8370
Job site contact	BILL GUIZZARDI	Phone	410-984-6268

Email

Temporary excavator company

Temporary excavator name

Temporary excavator email

Acknowledged temporary company

Excavation information

Type of work	DRILL AND INSTALL GEOTHERMAL WELLS		
Work being done for	GROUND LOOP		
Job #	Permit	Explosives N	Trenchless NO

Location information

State	MD	County	HOWARD
City/place	ELLCOTT CITY		
Address/street	9817 MADELAINE CT		
Intersecting street	PARROT DR		
MD state ROW	N		
Extent of work	MARK ENTIRE PROPERTY.		
Comments	PLEASE MAKE SURE THAT THE CORRECT HOUSE IS BEING MARKED. I HAVE PUT 2 TICKETS IN AND THE WRONG HOUSE KEEPS GETTING MARKED. 9817 IS THE LAST HOUSE ON THE RIGHT SIDE . PLEASE USE PAINT AND FLAFS UPDATE: NOT DONE >>		

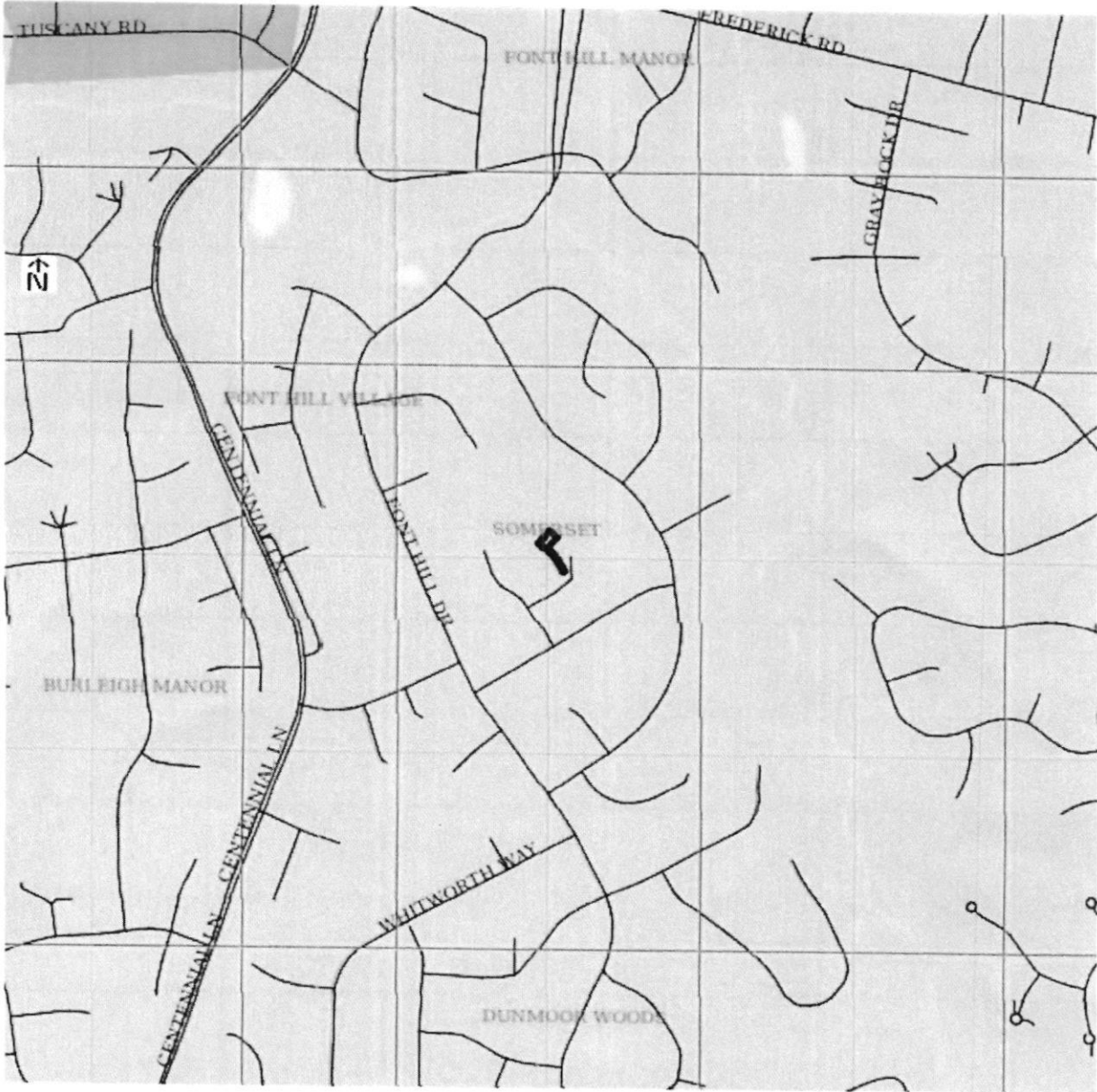
NW Lat 39.2671808	Lon -76.8568672	SE Lat 39.2664485	Lon -76.8562976
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Members notified

District	Company name	Marking concerns	Damage	Customer service	Status
BGEHW	BGE ELECTRIC-UTILIQUEST	410-536-0070	800-685-0123	800-685-0123	Marked (Response by Utiliquest)

BGEHWG	BGE GAS-UTILIQUEST	410-536-0070	800-685-0123	800-685-0123	Marked (Response by Utiliquest)
CWMD2	COMCAST/UTILIQUEST	410-536-0070	877-359-1821	888-739-1379	Clear/No conflict (Response by Utiliquest)
HCU01	HOWARD COUNTY WATER/SEWER	410-615-0241	410-313-2929	410-313-3052	Clear/No conflict
VHW	VERIZON	410-536-0070	888-496-1588	800-837-4966	Marked (Response by UtiliQuest)

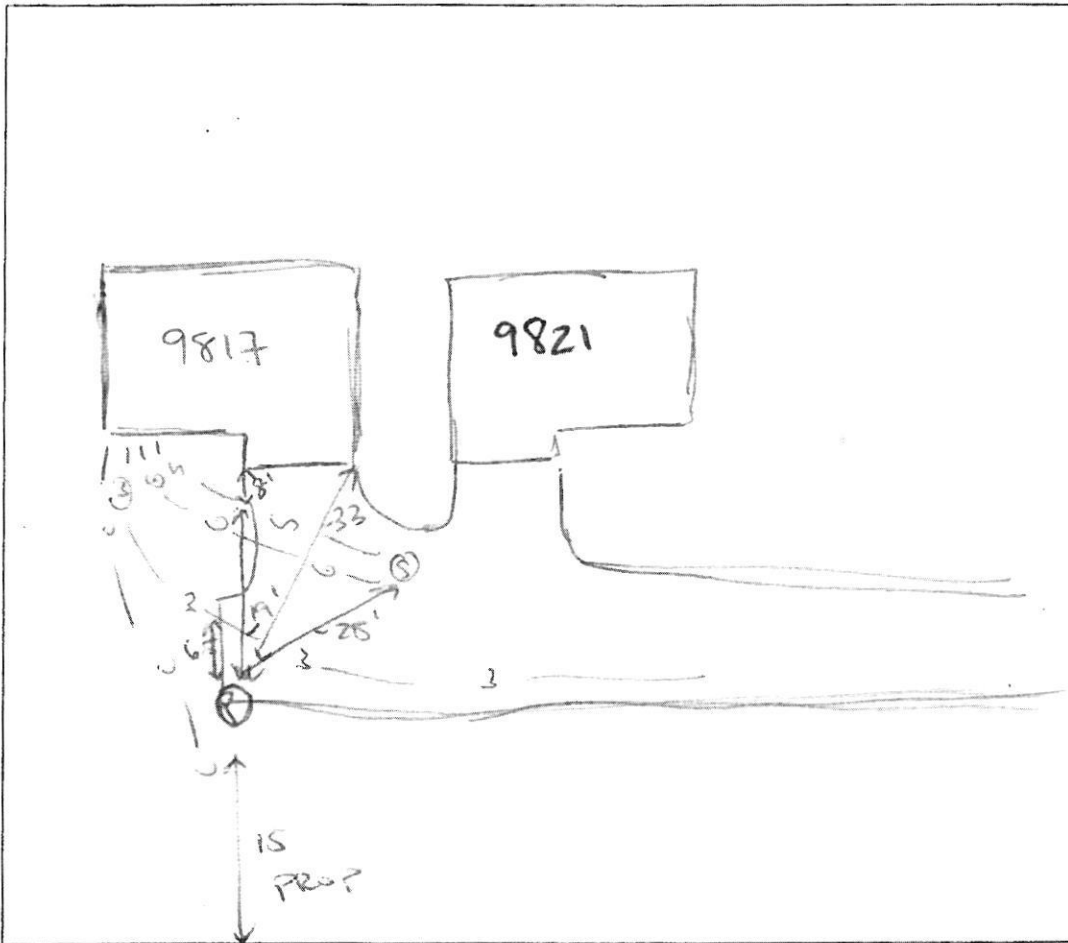
Map



SITE INSPECTION SHEET

OWNER: ROUS, PHILIP JAMES PHONE #: _____
ADDRESS: 9817 MADELINE COURT CONTRACTOR: ALLIED
ELLCOTT CITY, MD WELL TAG #: PUB
SUBDIVISION: FONT HILL LOT: 46 COUNTY #: HOWARD
PROPOSAL: 1x GEO BORE

LOCATION DIAGRAM



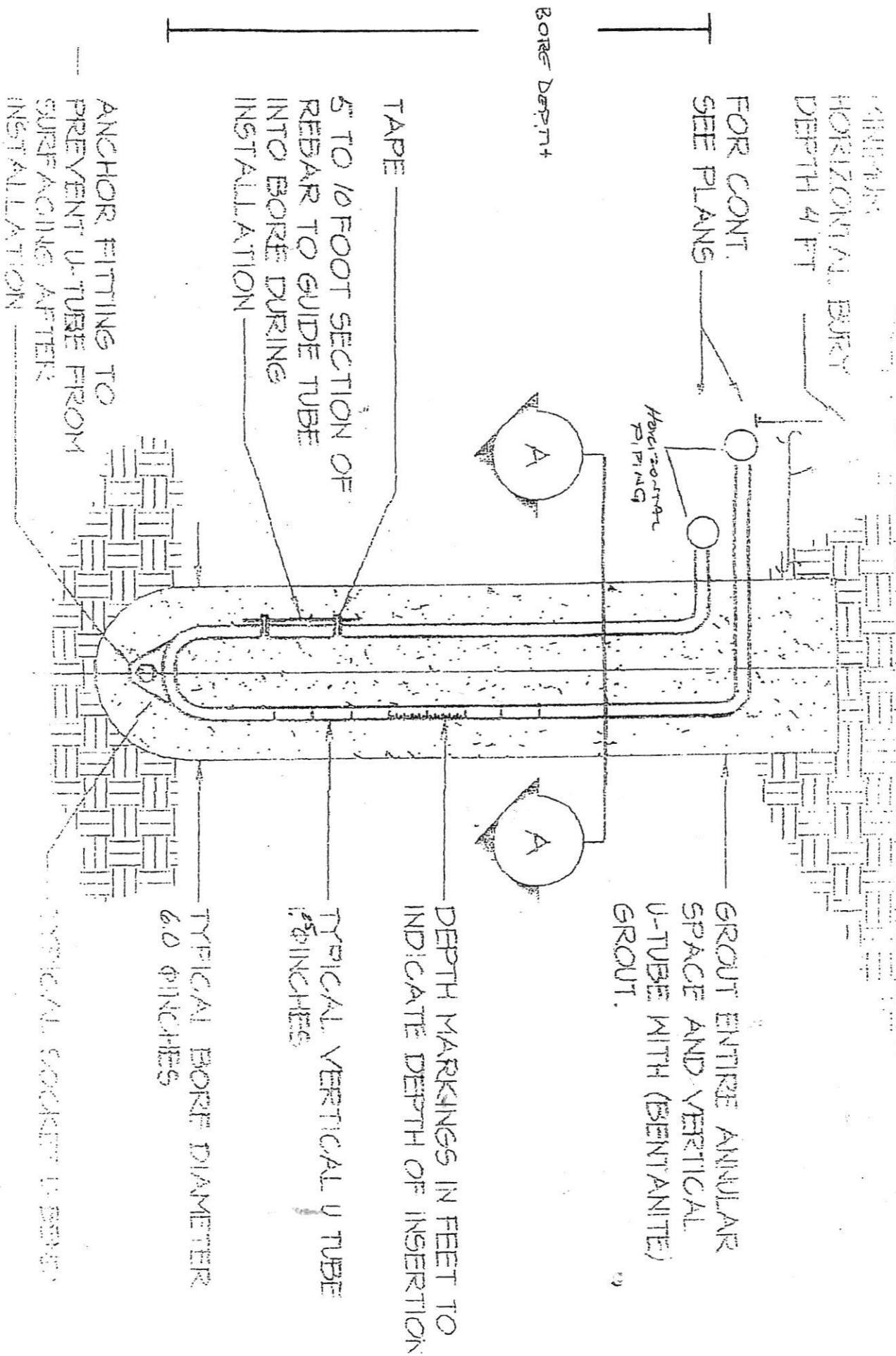
COMMENTS: FIELD LOCATED BY LINE LOCATORS

DRIVER CONFIRMS SHC IS SET 40 MEETING
COMAR 26.04.04.04 (4)(d)(ii) FOR 10' SET BACK

DATE: 03/29/2022 INSPECTOR: CABAHUG 001997

GRADE

EACH BORE HOLE (TYP)



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

DEPTH MARKINGS IN FEET TO INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U-TUBE 1 1/2 INCHES

TYPICAL BORE DIAMETER 6.0 INCHES

TYPICAL SOCKET U-TUBE

ANCHOR FITTING TO PREVENT U-TUBE FROM SURFACING AFTER INSTALLATION

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

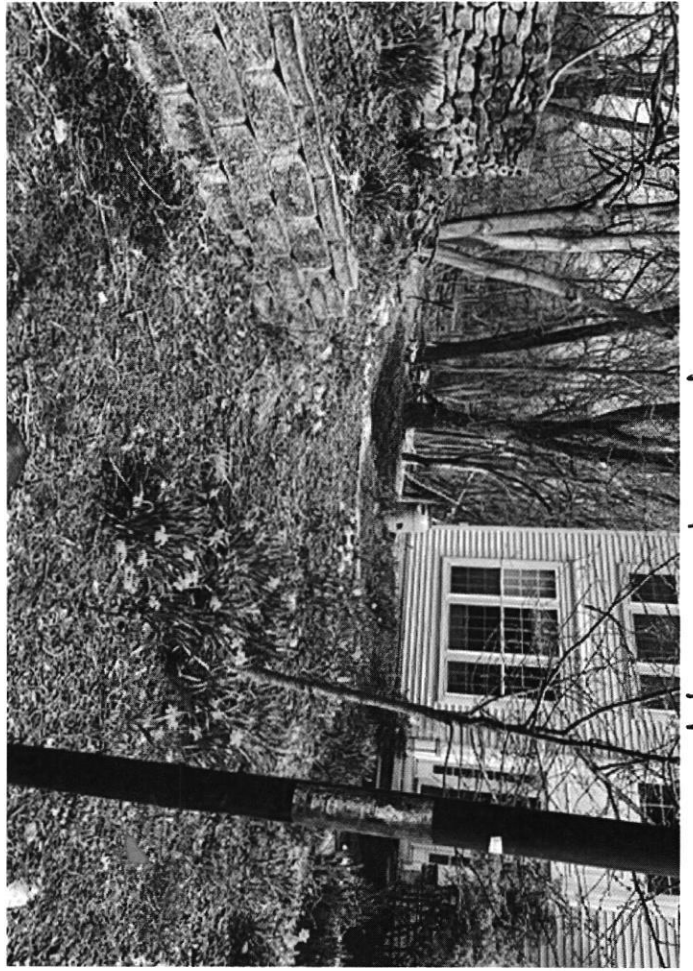
FOR CONT. SEE PLANS

HORIZONTAL BURY DEPTH 4 FT

BORE DEPTH

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.



Site inspection photos - 4/1/22





RECEIPT

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

Application: WS-WP-22-00852
Application Type: EnvHealth/Well and Septic/Installation/Application
Address: 9817 NW Madeline CT,

Receipt No.	Ref Number	Amount Paid	Payment Date	Cashier ID	Received	Comments
3357	27409	\$160.00	03/30/2022	JUKING		9817 NW Madline Ct

Owner Info.: Rous Phillip
9817 madeline ct

Work Description: GEOTHERMAL WELL

put notes on this
record # in
Accela

5'-7'-H2O - blue flag
16'-18'-gas - yellow flag
20'-22'-Jewel - green flag

26 04 04 04



WS-W...	STATUS	LOCATION	CONTACT	WORKFLOW
WELL PER...	> Accepted	> 9817 N...	> None P...	> 9 total Ta
GEOTHER...	03/30/2...			● 1 comp

WS-WP-22-00852 - WELL PERMIT APP 9817 NW MADELINE COURT

- Pay
- Apply
- Refund
- Void
- Generate Receipt
- Fund Transfer
- Help

The selected transaction(s) have generated receipts. Please select another transaction.

Total Invoice Amount:	\$160.00	Terminal #:	
Total Payment:	\$160.00	Cashier ID:	KWOLF
Total Balance:	\$0.00	Date:	04/05/2022
Amount Not Applied:	\$0.00		

Invoices

Invoice #	Amount	Paid in Full	Bala
<u>4755</u>	\$160.00	Y	\$0.0

Transactions

Transaction Code	Transactions	Method	Receipt #	Not Applied	Amou
<input type="checkbox"/>	Payment	Check	<u>3357</u>	\$0.00	\$160.0