

C1 57948

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER 13

ST/CO USE ONLY DATE RECEIVED MM DD

DATE WELL COMPLETED 3-5-24

Depth of Well 240

PERMIT NO. FROM "PERMIT TO DRILL WELL" 10-22-0123

OWNER Iron, Chi last name 5246 first name TOWN Ethel P. MD SUBDIVISION SECTION LOT 6

WELL LOG Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Entries: Clay & Sand Mud (0-65), Gray Rock (65-240). Checkmarks in water bearing column.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 45 NO. OF POUNDS 1500 GALLONS OF WATER 600 DEPTH OF GROUT SEAL (to nearest foot) from 48 to 52 ft. to 54 ft. BOTTOM 58 ft.

CASING RECORD

MAIN CASING TYPE (S) (T) (C) (O) (P) (L) (O) (T) Nominal diameter 60 (nearest inch) Total depth of main casing 70 (nearest foot)

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

screen type or open hole (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) (O) (T) (O) (T) (O) (T)

DEPTH (nearest ft.)

Table with columns: A, C, H, S, R, E, N. Rows for depth intervals: 1-8, 9-11, 15-17, 21-23, 24-26, 30-32, 36-38, 39-41, 45-47, 51-53, 56-58, 60-62.

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

PUMPING TEST

HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 17 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 (C) centrifugal (R) rotary (O) other (describe below) (J) jet (S) submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (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. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 36 PUMP HORSE POWER 37 41. PUMP COLUMN LENGTH (nearest ft.) 43 47. CASING HEIGHT (circle appropriate box and enter casing height) (+) above ( ) below LAND SURFACE (nearest foot) 49 51

LATITUDE 3 LONGITUDE 7 (DEFAULT COORD. WGS 84)

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DRILLERS LIC. NO. 1 M W D 578 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

01-208881

EMERGENCY/TEMP NO. IF ANY

DATE: 3/6/24

<b>B 1</b>	<b>72702</b>	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please type	STATE PERMIT NUMBER <b>HO - 22 - 0123</b> <small>70</small> <small>79</small> <i>fill in this form completely</i>
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**Date Received (APA)** 8 MM DD YY 13

**OWNER INFORMATION**

15 Last Name Iron Ch Owner Kimberly First Name Kimberly 34

36 Street or RFD 5246 Tuckster Road 55

57 Town Ellicott City MD 70 State MD 72 Zip 21043 76

**B 3** **LOCATION OF WELL**

8 COUNTY Howard 21

23 SUBDIVISION Dorner Broe 42

SECTION 1 46 LOT 6 50

52 NEAREST TOWN Ellicott City 71

**DRILLER INFORMATION**

Driller's Name Wesley Wolfe 76 License No. M D 598 81

Firm Name Wesley Well Drilling

Address PO Box 129 Annapolis Junction MD 20701

Signature Wesley Wolfe 03/04/24 Date

**B 4** **SOURCES OF DRILLING WATER**

1. Public 11 STREET ADDRESS 5246 Tuckster Rd 30

2. \_\_\_\_\_

3. \_\_\_\_\_

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH  
 WEST  
 EAST  
 SOUTH

34 70 37 DISTANCE FROM ROAD 70 FT 38 39

TAX MAP 003 BLK: - PARCEL 0202

**B 2** **WELL INFORMATION**

1 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12

2 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

COUNTY NAME Howard COUNTY NO. 13

STATE SIGNATURE \_\_\_\_\_ INSERT S →

DATE ISSUED 3/6/24 41

43 MM DD YY 48 CO SIGNATURE AT EXP. DATE 3/6/25

D.N.: 3/6/24 (PA) D.R.: 3/6/24 (PA)

**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 2 loops

APPROXIMATE DEPTH OF WELL 240 FEET 24 28

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

**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

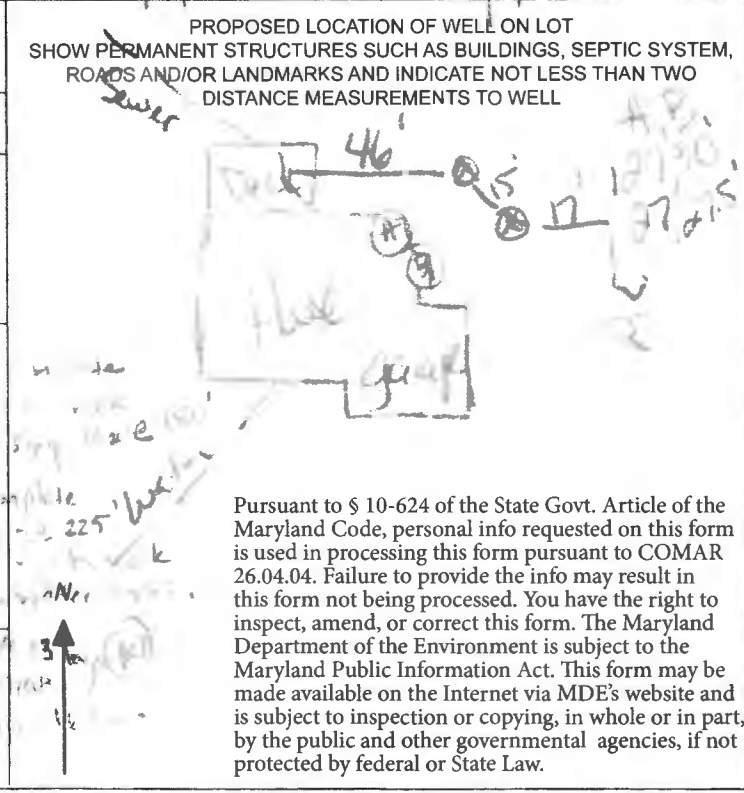
THIS WELL WILL DEEPEEN AN EXISTING WELL

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 \_\_\_\_\_ G \_\_\_\_\_

PERMIT No. HO - 22 - 0123  
70 71 72 73 74 75 76 77 78 79



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**SPECIAL CONDITIONS**

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.

## **HOWARD COUNTY GROUTING PROCEDURE**

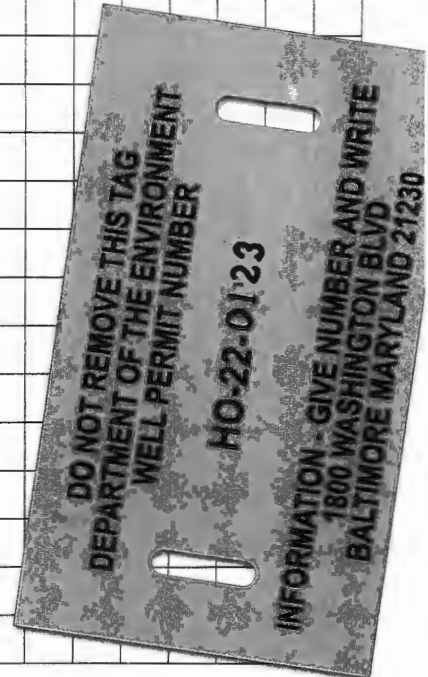
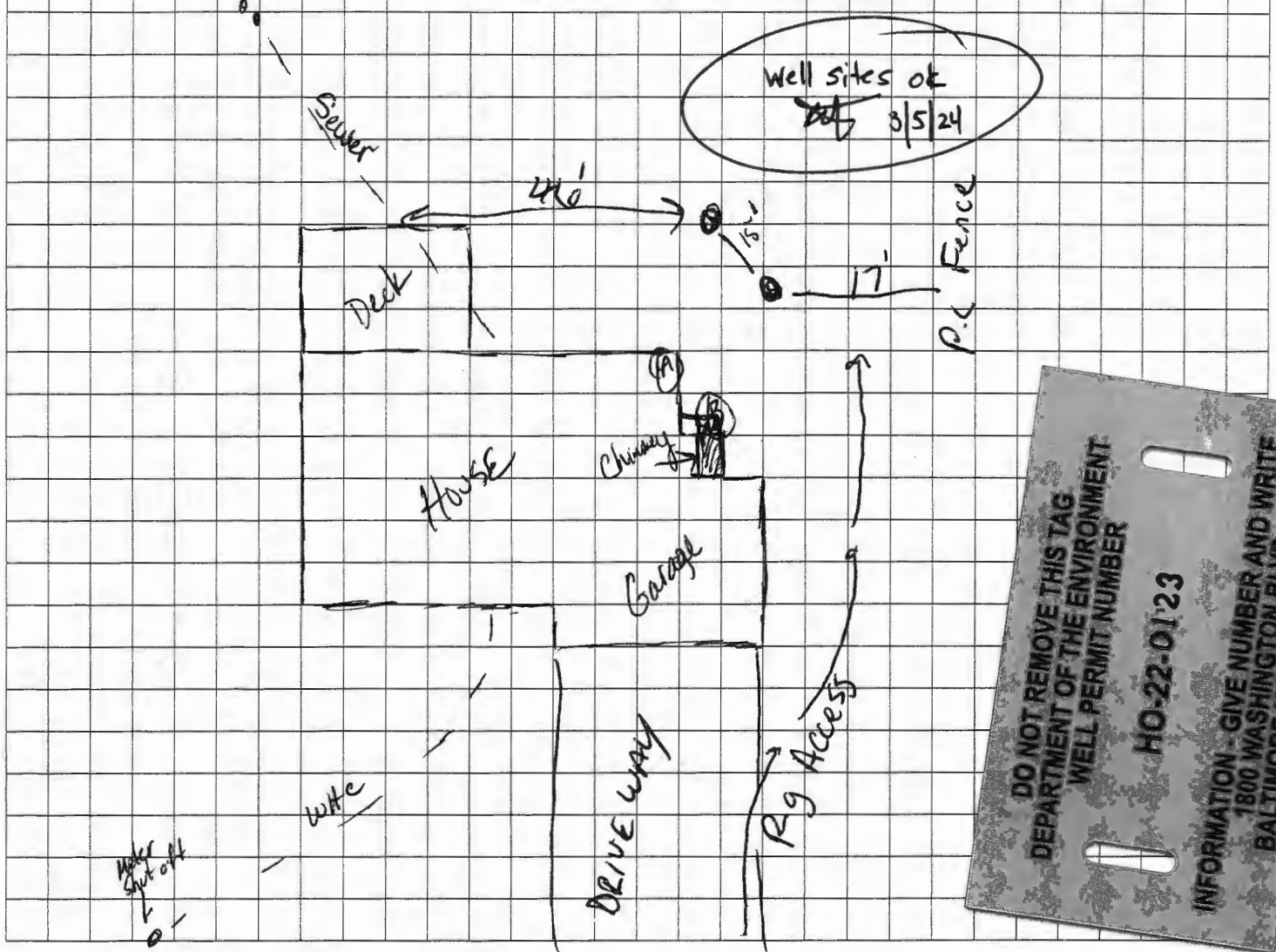
Boreholes will be grouted from the bottom to the top via a tremie pipe and positive displacement pump. Bentonite grout, known as Quik-Grout will be used according to the manufacturer's specifications to achieve a consistency of at least 20% solids (24 gallons potable water/50 lb. sack of grout) and a 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.

A B  
27' 30"  
27' 25"



5246 Ilchester Rd  
Ellicott City Md  
2 wells @ 240' each  
closed loop geothermal

**SITE PLAN**



Sediment Control Protocol: SILT Fence

Distance From House: 27'  
From Septic: N/A  
From Sewer: 46'  
From Property Line: 17'  
From Street: 50' +

Trees Nearby: NO  
Utility Issues: NO  
Mats Needed: YES  
Access For H/U: BY others  
Neighboring Tags: See Camps

Comments: Remove section of fence to right of gate. Roll up wire to fence. Pull out split rails. If need to remove post remove to the Right

Person Completing Form: Wes Wolfe

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

TAPE

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

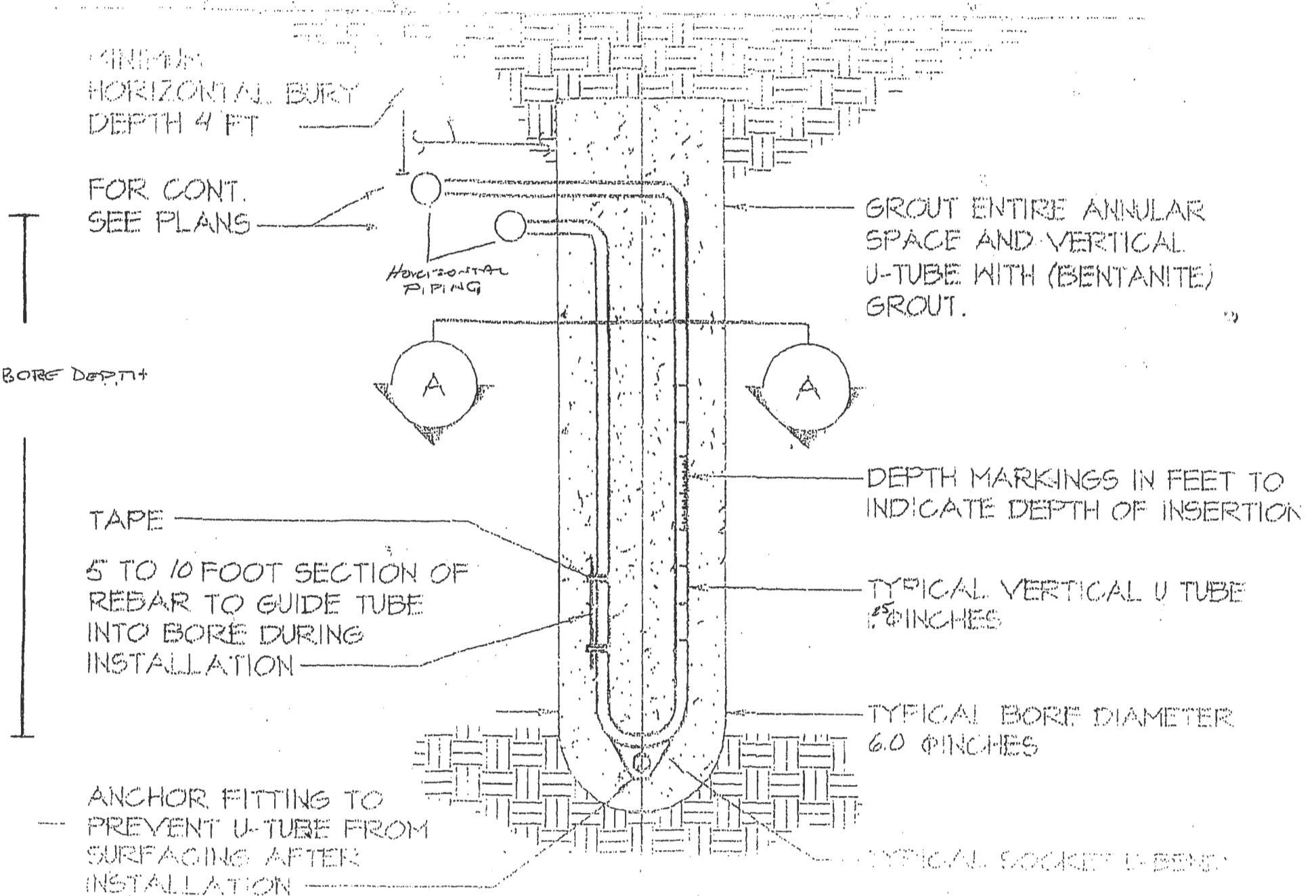
DEPTH MARKINGS IN FEET TO  
INDICATE DEPTH OF INSERTION

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



# FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
12/22/23	- Spoke to driller and requested they have the public water &
	sewer line sited/staked/painted on site (RR)
1/23/24	- permit & plan mailed back to driller to correct, All 4 pgs of
	the permit need to be filled out. and the prop. lines must
	be on the plan. (RR)
3/4/24	- rec'd revised plan after meeting w/ homeowner. Wants to move
	the bores further away from the house. New site plan is
	has the bores in the back yard. Set backs ok (RR)

