



HOWARD COUNTY HEALTH DEPARTMENT

72713

DATE 12/2/82

Received From

Allied Environmental Services
301 776-8370
PHONE #

For

Well Permit / 5617 Trotter Rd.

CASH

CHECK

NO.

28970 One thousand forty Dollars

\$ 16000

Received By

J King

05-348072

EMERGENCY/TEMP NO. IF ANY

79 = N/A

B 1	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER <u>HO-20-0245</u> <small>70 fill in this form completely 79</small>
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OWNER INFORMATION

Date Received (APA) _____

8 MM DD YY 13
Vickers Tracy

15 Last Name Owner First Name 34
5617 Trotter Road

36 Street or RFD 55
Clarksville MD 21029

57 Town 70 State 72 Zip 76

LOCATION OF WELL

Howard

8 COUNTY 21
Criswood Manor

23 SUBDIVISION 42

SECTION 44 46 LOT 1 48 50

Clarksville

52 NEAREST TOWN 71

DRILLER INFORMATION

Wesley Waite M 4 D 598

Driller's Name 76 License No. 81

Wesley Waite Drilling

Firm Name

PO Box 129 Annapolis Junction MD 21027

Address

Wesley A Waite 12/01/22

Signature Date

SOURCES OF DRILLING WATER

1. Public

2. _____

3. _____

5617 Trotter Rd

11 STREET ADDRESS 30

ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)

NORTH
 WEST
 EAST
 SOUTH

34 60 37
DISTANCE FROM ROAD

ENTER FT OR MI 38 39

TAX MAP: 0035 BLK: 02 PARCEL: 0180

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) _____

8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) _____

14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

OPEN LOOP GEOTHERMAL

CLOSED LOOP GEOTHERMAL 2 loops

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard (13)

COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S → 41

DATE ISSUED _____

11/17/23 43 MM DD YY 48 CO SIGNATURE _____ EXP. DATE _____

APPROXIMATE DEPTH OF WELL 240 FEET

24 28

APPROXIMATE DIAMETER OF WELL 6 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)

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 DEEPEM AN EXISTING WELL

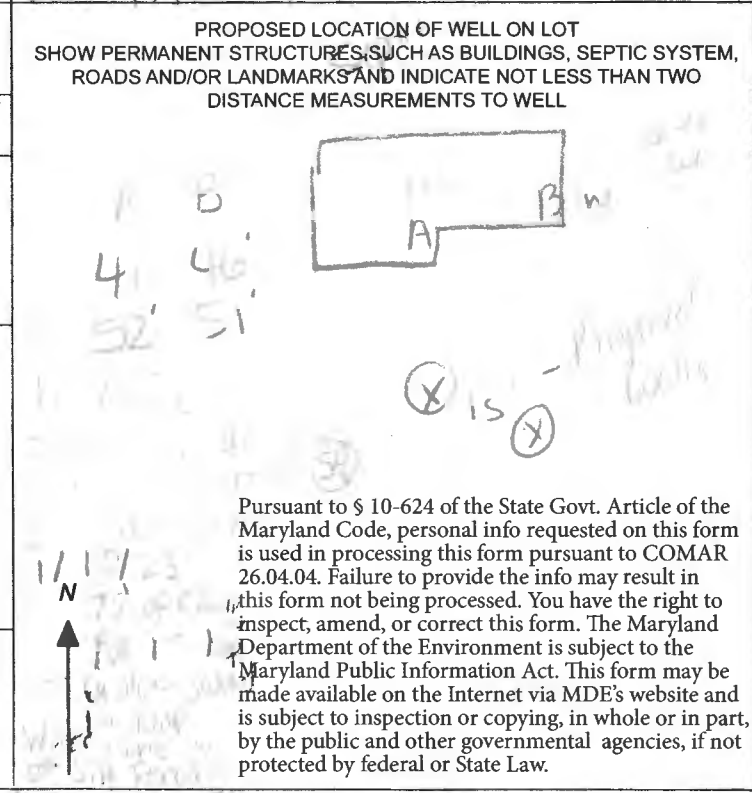
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER _____ G _____

PERMIT No. HO-20-0245

70 71 72 73 74 75 76 77 78 79



SPECIAL CONDITIONS Grout bottom to top.

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

C 1 71637
 SEQUENCE NO. (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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.
 COUNTY NUMBER

ST/CO USE ONLY
 DATE RECEIVED
 MM DD

DATE WELL COMPLETED
 MM DD
 15 20
 Depth of Well
 22 26
 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
 28 29 30 31 32 33 34 35 36 37

OWNER
 WELL SITE ADDRESS
 SUBDIVISION SECTION TOWN LOT

WELL LOG
 Not required for driven wells

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

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
3-2-2000 Foggy Lake	0	70	
3-2-2000 Foggy Lake	70	132	

GROUTING RECORD yes no
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS ⁴⁵ ₄₆ 30 NO. OF POUNDS ⁴⁵ ₄₆
 GALLONS OF WATER 500
 DEPTH OF GROUT SEAL (to nearest foot)
 from 48 TOP 52 ft. to 54 BOTTOM 58 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO**
 STEEL CONCRETE
PL **OT**
 PLASTIC OTHER
 MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)
 60 61 63 64 66 70

OTHER CASING (if used)
 diameter inch depth (feet) from to
 E A C H I N G

screen type or open hole insert appropriate code below
ST **BR** **HO**
 STEEL BRASS OPEN HOLE
PL **OT**
 PLASTIC OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0
 WELL HYDROFRACTURED **Y** **N**

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

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.

DRILLERS LIC. NO. 1 M D 78
 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)

C 2 DEPTH (nearest ft.)

E	11	15	17	21
C	23	24	26	30
H	32	36		
S				
C	38	39	41	45
R	47	51		
E				
E				
N				

SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH)
 from 56 to 60

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

C 3 **PUMPING TEST**
 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
C centrifugal **R** rotary **O** other (describe below)
J jet **S** submersible

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. 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 (nearest foot)
 - below 49 50 51

LATITUDE 39.2171
 LONGITUDE 76.9121
 (DEFAULT COORD. WGS 84)

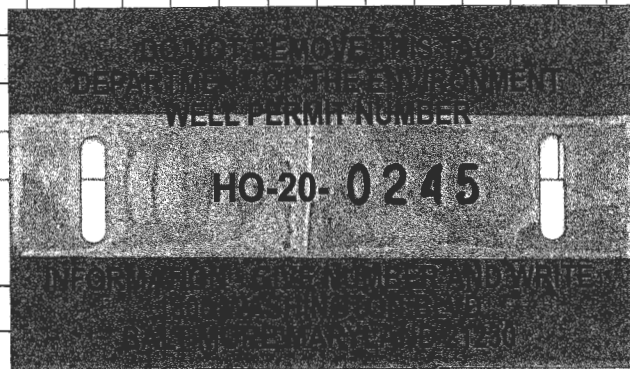
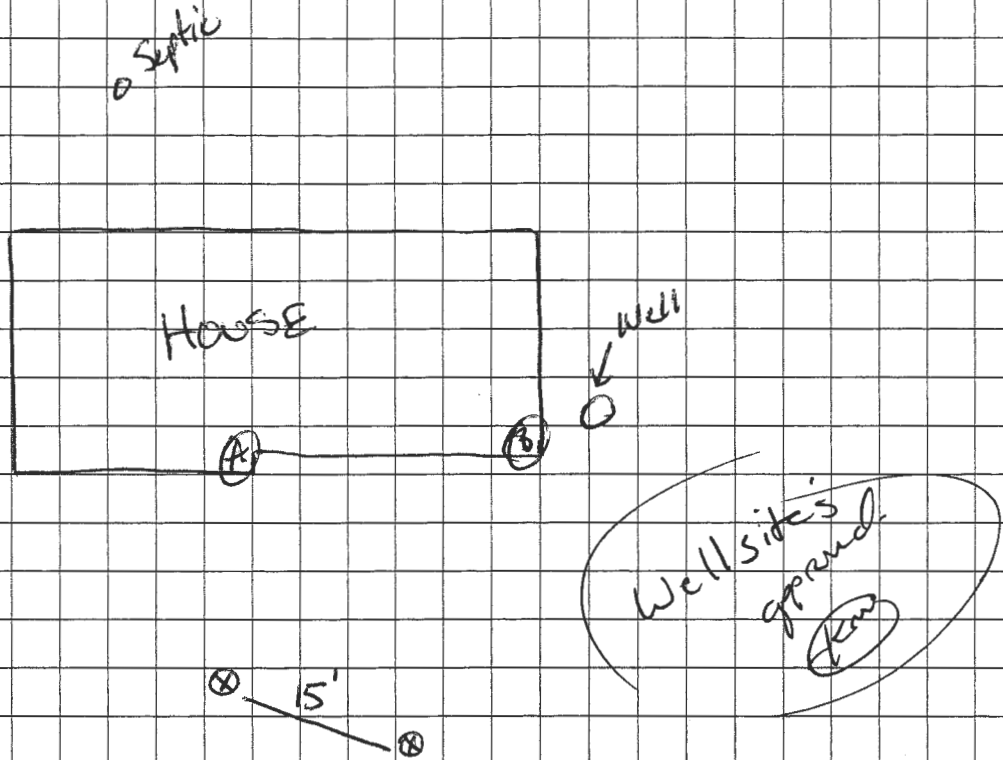
Pursuant to §10-624 of the State Govt. Article of the Maryland Code personal info. requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You have the right to inspect, amend, or correct this form. The 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.

A B
41 46
52 51



5617 TROTTEL RD
CLARKSVILLE MD

2 wells @ 240' each
closed loop geothermal



Sediment Control Protocol: SILT FENCE

Distance From House: 41'
From Septic: 100'+
From Sewer: N/A
From Property Line: 54'
From Street: 53'

Trees Nearby: Yes
Utility Issues: NO
Mats Needed: Yes
Access For H/U: N/A
Neighboring Tags: See Comps

Comments: TRIM TREE BRANCHES WITH SAW

Person Completing Form: Wes Wolk

RECEIPT

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

Application: WS-WP-22-03701
Application Type: EnvHealth/Well and Septic/Installation/Application
Address: 5617 Trotter RD,

Receipt No.	5420					
Payment Method	Ref Number	Amount Paid	Payment Date	Cashier ID	Received	Comments
Check	28970	\$160.00	12/06/2022	JUKING		Receipt # 72713

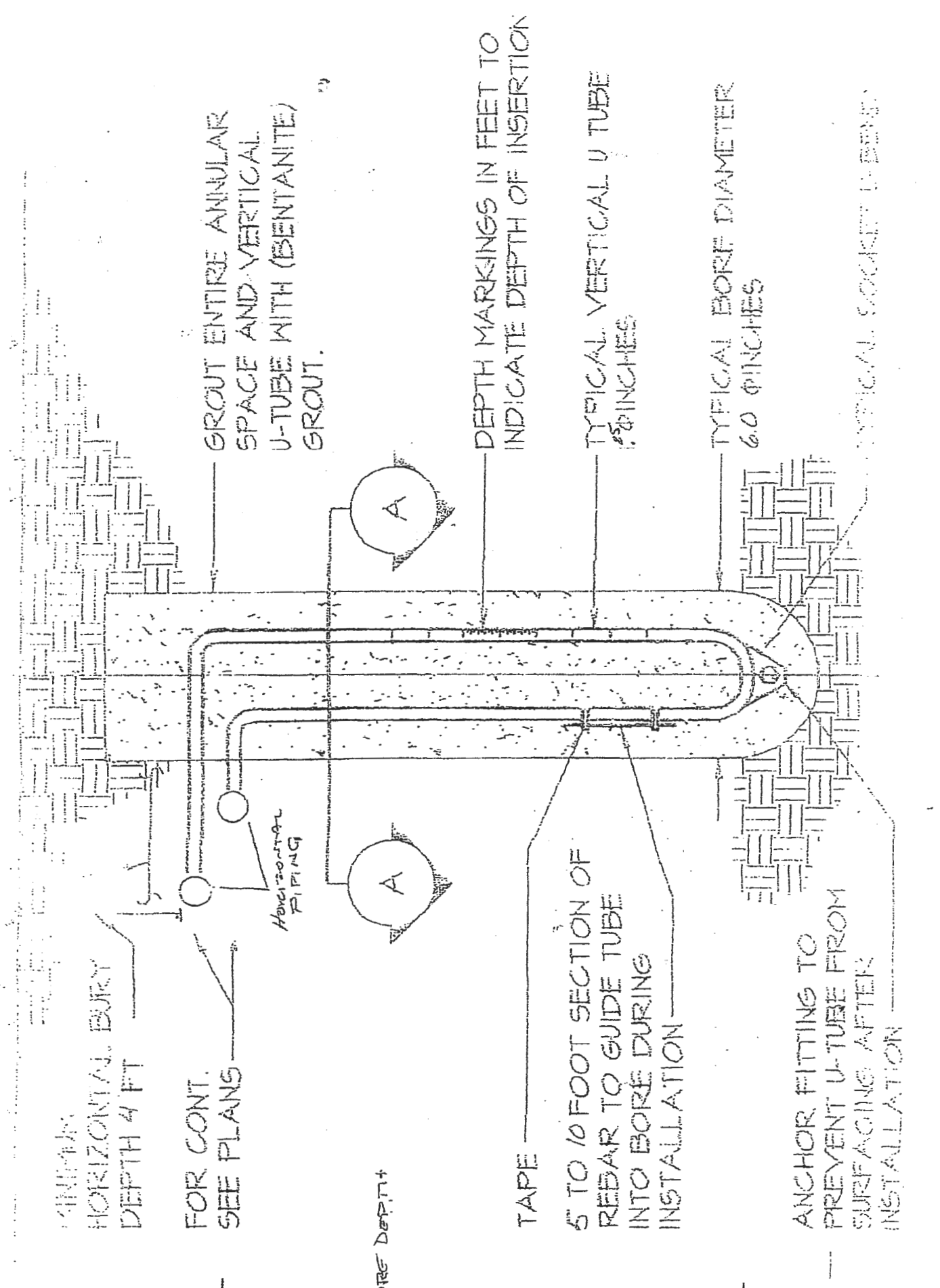
Work Description: Well Permit

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

BORE DEPTH

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

DEPTH MARKINGS IN FEET TO INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U TUBE 1/2" PINCHES

TYPICAL BORE DIAMETER 6.0" PINCHES

TYPICAL SOCKET DEPTH

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

ANCHOR FITTING TO PREVENT U-TUBE FROM SURFACING AFTER INSTALLATION