



HOWARD COUNTY HEALTH DEPARTMENT

70967 WS

DATE
2 / 16 / 22

Received From

Allied Environmental Services

PHONE # 301-7768370

CASH

CHECK

NO.
27190

For Well Drilling

10380 Route 108

Ellicott City, MD

One hundred + Sixty Dollars

00/100

Dollars

\$ 160 | 00

Received By

V. DeKrorey

C 1-74903

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.

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

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER WELL SITE ADDRESS TOWN SUBDIVISION SECTION LOT

WELL LOG table with columns for DESCRIPTION, FEET (FROM, TO), and check if water bearing. Includes handwritten entries like 'Sand', 'Clay', 'Rock'.

GROUTING RECORD WELL HAS BEEN GROUTED TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE

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

SCREEN RECORD screen type or open hole insert appropriate code below

NUMBER OF UNSUCCESSFUL WELLS: WELL HYDROFRACTURED

CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04

DRILLERS LIC. NO. DRILLERS SIGNATURE

LIC. NO. SITE SUPERVISOR

DEPTH (nearest ft.) table with columns for casing height and slot size.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED PUMPING RATE METHOD USED TO MEASURE PUMPING RATE

PUMP INSTALLED DRILLER INSTALLED PUMP TYPE OF PUMP INSTALLED CAPACITY: GALLONS PER MINUTE

LATITUDE 39.22551 LONGITUDE 71.22660 (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.

02-200910

EMERGENCY/TEMP NO. IF ANY

B 1	73570	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL	STATE PERMIT NUMBER
			570967 please type	HO - 20 - 0155 fill in this form completely

Date Received (APA) 02/17/22

8 MM DD YY 13

OWNER INFORMATION

15 Last Name Owner First Name 34
Clarke Martha Ann Trustee

36 Street or RFD 55
Ellicott City MD 21042

57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

8 COUNTY 21
Howard

23 SUBDIVISION 42

SECTION 44 46 LOT 48 50
Ellicott City

52 NEAREST TOWN 71

DRILLER INFORMATION

Driller's Name 76 License No. 81
Michael Kohler M SD 028

Firm Name
Allied Well Drilling

Address
PO Box 129 Annapolis Junction MD 20705

Signature Date
Michael Kohler 02/16/22

B 4

SOURCES OF DRILLING WATER

1. Public

11 STREET ADDRESS 30
10380 Route 108

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 1180' 37
DISTANCE FROM ROAD

ENTER FT OR MI 38 39

TAX MAP: 0029 BLK: PARCEL 008

B 2

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)

22 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 2/25/22

43 MM DD YY 48 CO SIGNATURE EXP. DATE 2/25/23

Don 3/14/2022 DOG: 3/18/22

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 DEEPEINED 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 DEEPEIN AN EXISTING WELL

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

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

APPROP. PERMIT NUMBER G

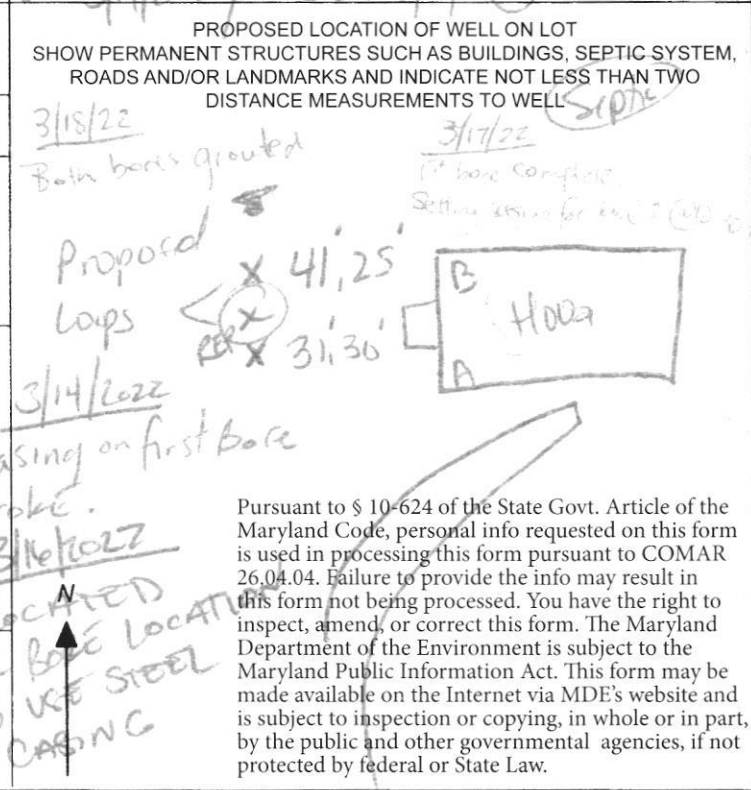
PERMIT No. HO - 20 - 0155

70 71 72 73 74 75 76 77 78 79

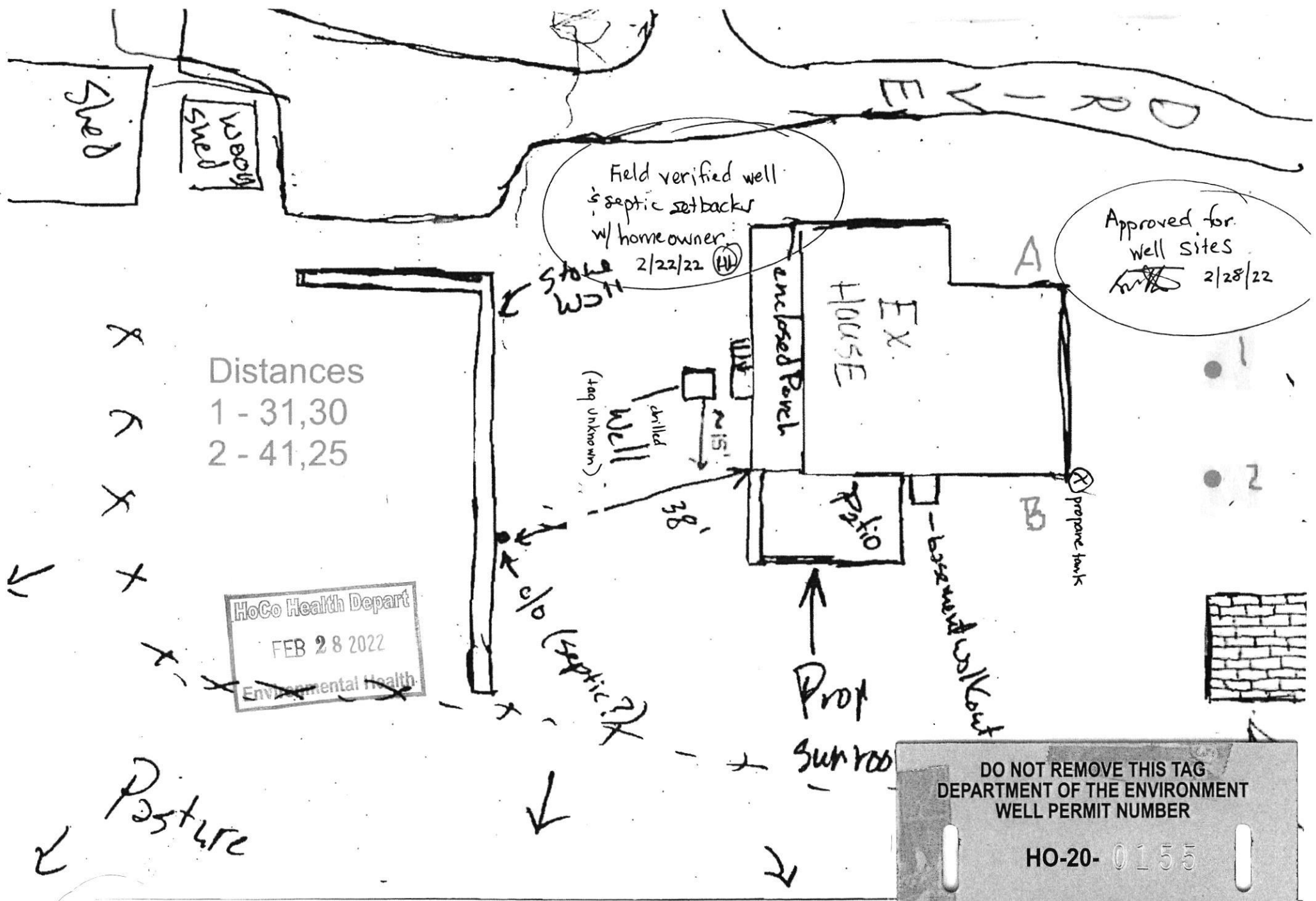
SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED-

grout holes from bottom to top



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HoCo Health Depart
 FEB 28 2022
 Environmental Health

DO NOT REMOVE THIS TAG
 DEPARTMENT OF THE ENVIRONMENT
 WELL PERMIT NUMBER

HO-20- 0155

INFORMATION - GIVE NUMBER AND WRITE
 1800 WASHINGTON BLVD
 BALTIMORE MARYLAND 21230

GRADE

EACH BORE HOLE (TYP.)

MINIMUM

HORIZONTAL BURY
DEPTH 4 FT

FOR CONT.
SEE PLANS

HORIZONTAL
PIPING

BORE 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

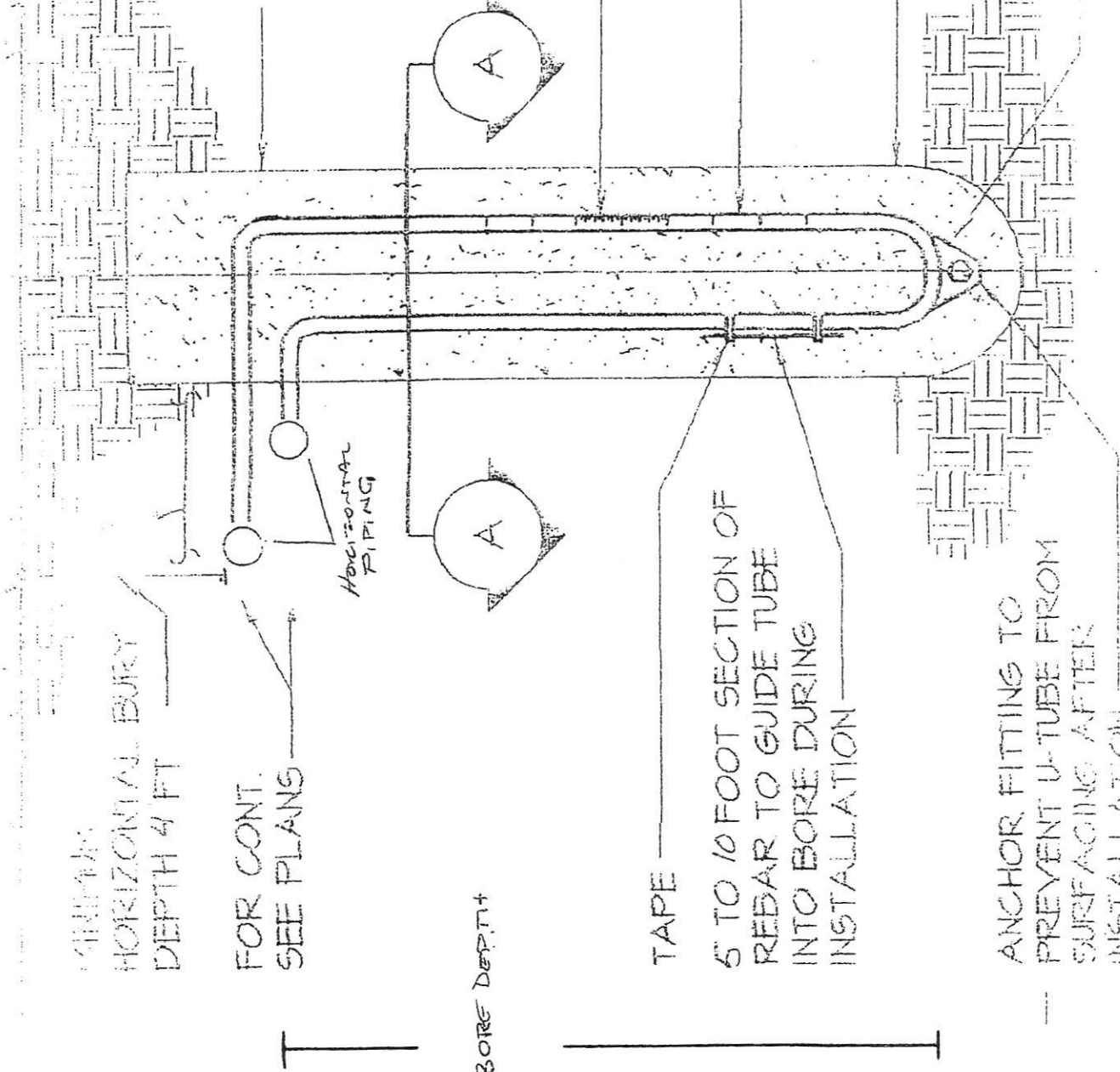
GROUT ENTIRE ANNULAR
SPACE AND VERTICAL
U-TUBE WITH (BENTANITE)
GROUT.

DEPTH MARKINGS IN FEET TO
INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U TUBE
1.5" PINCHES

TYPICAL BORE DIAMETER
6.0 PINCHES

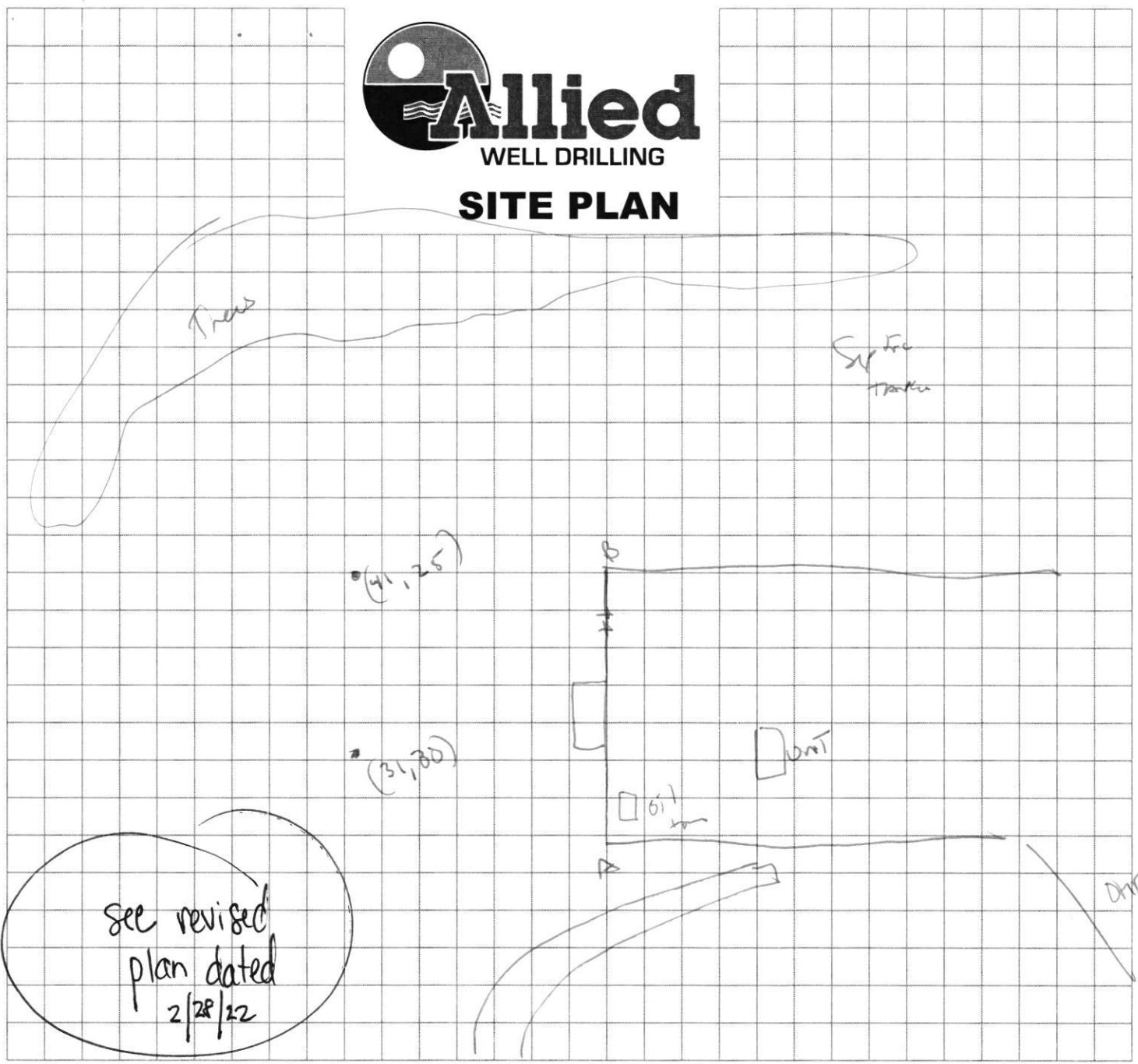
TYPICAL SOCKET D BORE



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.

10380 K/L 108



Sediment Control Protocol: _____

Distance From House: 25
 From Septic: 30
 From Sewer: NA
 From Property Line: 100
 From Street: 100

Trees Nearby: NO OH
 Utility Issues: NO
 Mats Needed: NO
 Access For H/U: _____
 Neighboring Tags: _____

Comments: _____

Person Completing Form: _____

