

C1 54842

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

ST/CO USE ONLY DATE RECEIVED MM DD 02/15/19

DATE WELL COMPLETED MM DD YY 1 11 19

Depth of Well 22 360 25 (TO NEAREST FOOT)

OK 2/15/19 SC

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-17-0378

OWNER Parkin Sam / Maria Variante WELL SITE ADDRESS 1105 Lora Ct TOWN Clarksville SUBDIVISION Brighton Pines SECTION LOT 5

WELL LOG Not required for driven wells

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows include Top Soil, Brown mica, Grey mica, Gravel, and another Grey mica.

GROUTING RECORD YES NO

WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 21 NO. OF POUNDS 1000 GALLONS OF WATER 399 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 360 ft.

CASING RECORD

casings types insert appropriate code below MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 50

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

SCREEN RECORD

screen type or open hole insert appropriate code below ST BR HO PL OT

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES NO 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. MWD 572 Samuel A. Connelly DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. WBD 064

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

DEPTH (nearest ft.)

Table with columns: E A C H S C R E E N, 1-21, 22-25, 26-30, 31-35, 36-40, 41-45, 46-50. Values: 10, 48, 360

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) N/A PUMPING RATE (gal. per min.) N/A METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING WHEN PUMPING 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 OR NO) YES 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) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

LATITUDE 39.211099 LONGITUDE 76.990716 (DEFAULT COORD. WGS 84)

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TAG = N/A

B 1 SEQUENCE NO. (MDE USE ONLY) **57095** STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type **514076** STATE PERMIT NUMBER **HO-17-0378**
70 fill in this form completely 79

1 2 3 6 Date Received (APA) **11/21/18**
8 MM **DD** **YY** **13**
15 Last Name **Parkin, Sarah** / **Vacante, Laura** **34** First Name
38 Street or RFD **13705 Loria Ct** **65**
57 Town **Clarksville** **70** State **MD** **72** Zip **21029** **76**

B 3 LOCATION OF WELL
8 COUNTY **Howard** **21**
23 SUBSECTION **Brighton Pines S 1 AR 2** **42**
44 SECTION **46** **48** LOT **5** **50**
52 NEAREST TOWN **Clarksville** **71**

DRILLER INFORMATION
76 Driller's Name **Samuel A. Connelly MWD 572** **81** License No.
76 Firm Name **Connelly + Associates, Inc**
76 Address **1513 Tilco Dr. Frederick MD 21704**
76 Signature **Samuel A. Connelly** **81** Date **11/21/2018**

B 4 SOURCES OF DRILLING WATER
11 Private **30** STREET ADDRESS **13705 Loria Ct**
2. **3.** **Viol 19**
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH WEST EAST SOUTH
34 **180** **37** DISTANCE FROM ROAD **FT**
 ENTER FOR MI **38** **39**
 TAX MAP: **0034** BLK: **1** PARCEL **0110**

B 2 WELL INFORMATION
1 APPROX. PUMPING RATE (GAL. PER MIN.) **N/A** **12**
2 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **N/A** **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 **5 geo bores**

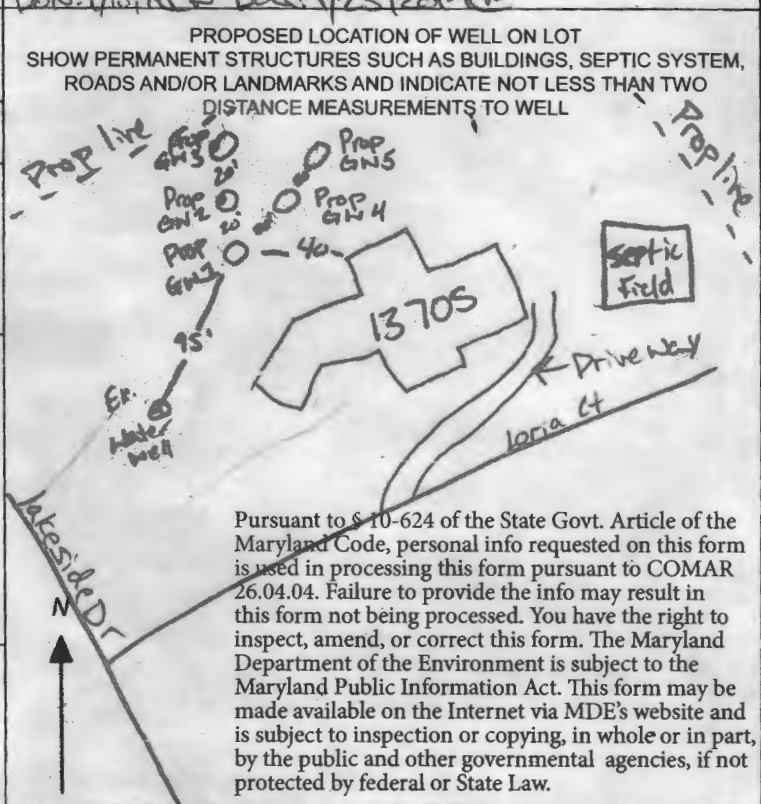
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
13 COUNTY NAME **Howard** **13** COUNTY NO.
 STATE SIGNATURE _____ INSERT S → **41**
 DATE ISSUED **12/11/2018** **11/14** **12/11/2019**
43 MM **DD** **YY** **48** CO SIGNATURE _____ EXP. DATE _____
 DON: 11/18/18 DEC: 1/23/2019

APPROXIMATE DEPTH OF WELL **360** FEET
 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 _____

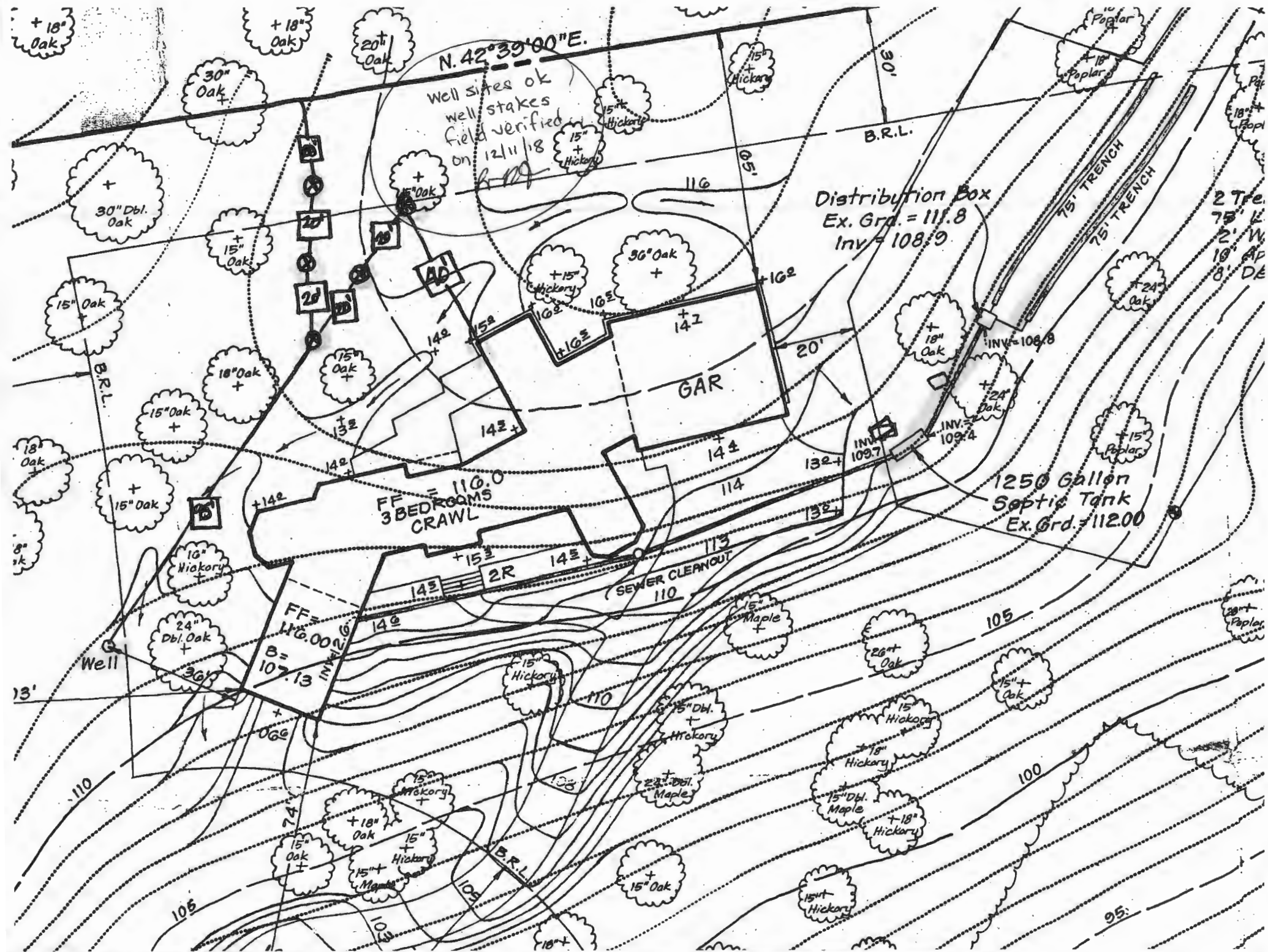
REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 THIS WELL 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-17-0378**
70 **71** **72** **73** **74** **75** **76** **77** **78** **79**



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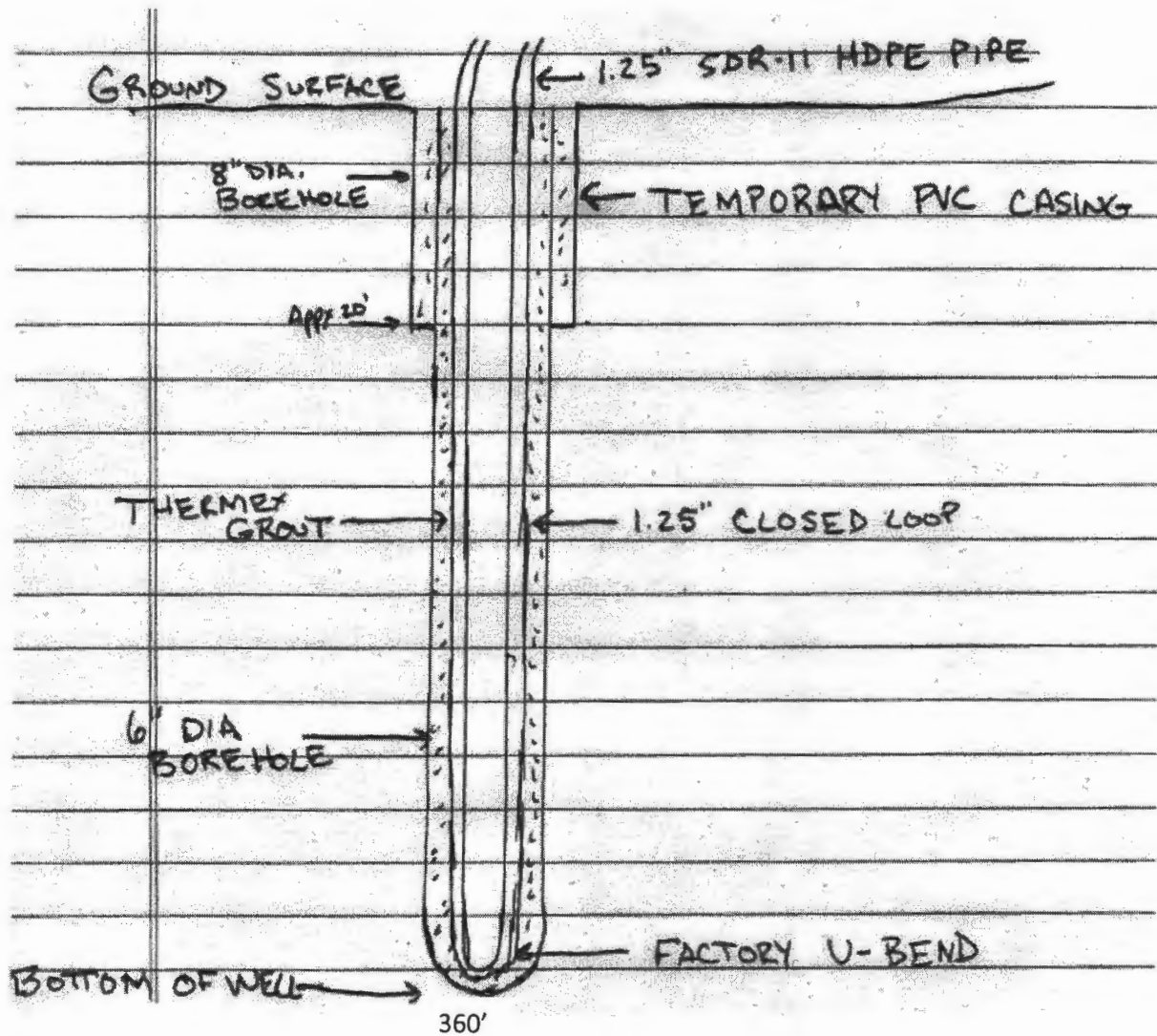
SPECIAL CONDITIONS
 NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED. **grout bottom to top.**



Connelly Geothermal

Partnering with Mother Earth

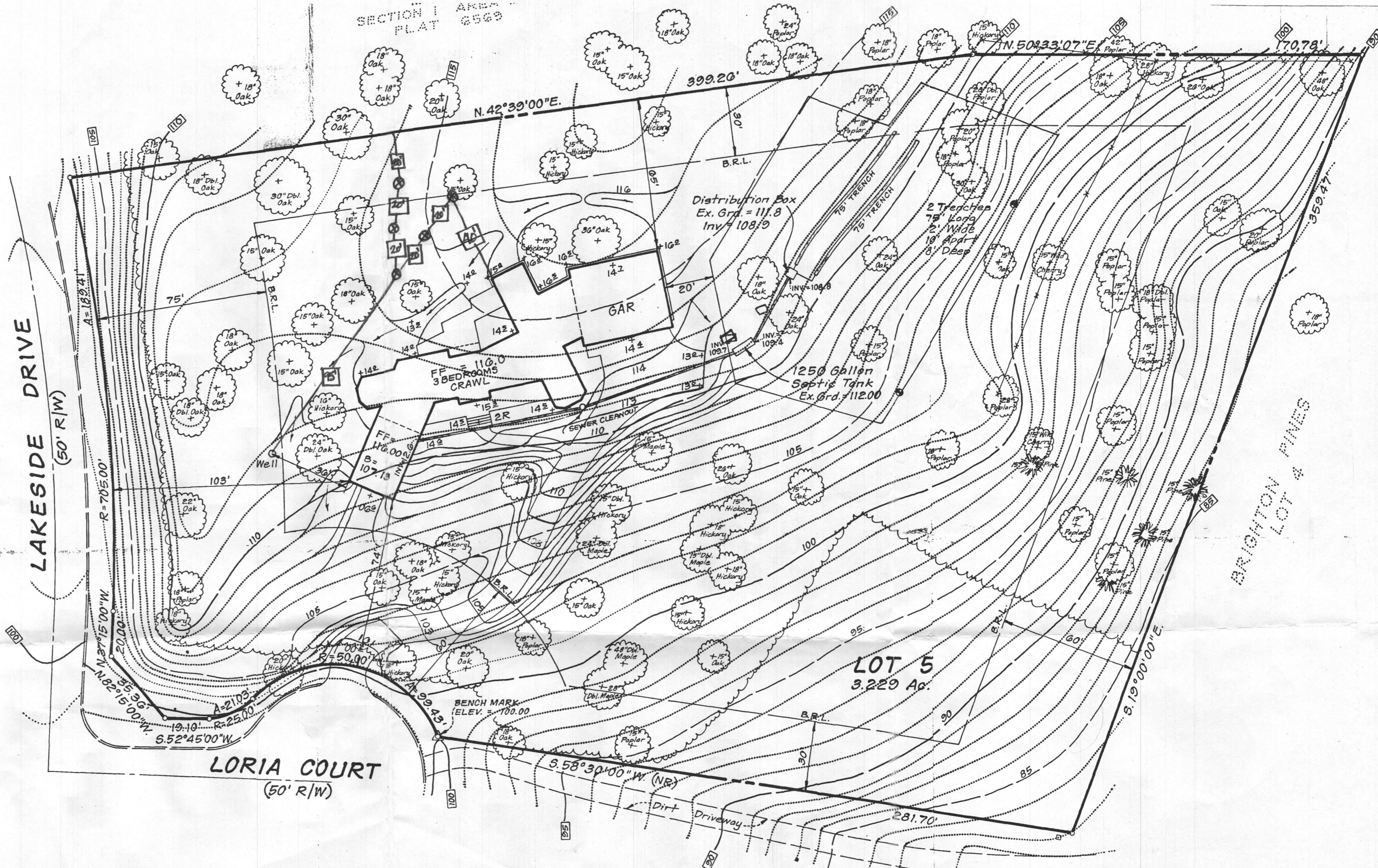
13705 Loria Court, Clarksville, MD 21029 - Geothermal Closed Loop



Grout information for this property is as follows:

Thermex grout mixture of 50 lb. grout to 19 gallons water, placed in the well using the tremie method, from bottom to top.

SECTION I AREA 6569
PLAT



LAKESIDE DRIVE
(50' R/W)

LORIAM COURT
(50' R/W)

BRIGHTON LOT 4 PINES

LOT 5
3.229 Ac.

Distribution Box
Ex. Grd. = 111.8
Inv. = 108.9

1250 Gallon
Septic Tank
Ex. Grd. = 112.00

BENCH MARK
ELEV. = 100.00

Dirt Driveway

A=182.41

R=705.00

N. 82° 15' 00" W.

20.00'

35.36'

N. 82° 15' 00" W.

5.52° 45' 00" W.

10.10'

R=25.00'

A=21.03'

10.10'

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