

COUNTY

B 1	4482	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER HO-95-2039 <small>fill in this form completely</small>
<div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> <p>Date Received (APA)</p> <p>8 MM DD YY 13</p> <p><u>Platino</u> <u>Franco</u></p> <p>15 Last Name Owner First Name 34</p> <p><u>6270 Cardinal Lane</u></p> <p>36 Street or RFD 55</p> <p><u>Columbia</u> <u>MD</u> <u>21044</u></p> <p>57 Town 70 State 72 Zip 76</p> </div> <div style="width:50%;"> <p style="text-align: center;">OWNER INFORMATION</p> <p style="text-align: center;">B 3</p> <p style="text-align: center;">LOCATION OF WELL</p> <p>8 COUNTY 21</p> <p><u>Howard</u></p> <p>23 SUBDIVISION 42</p> <p><u>Spring Lake Gardens</u></p> <p>SECTION 44 46 LOT 48 50</p> <p><u>13</u></p> <p><u>Columbia</u></p> <p>52 NEAREST TOWN 71</p> <p>MILES FROM TOWN (enter 0 if in town) <u>0</u> M I</p> <p>73 76 77 78</p> </div> </div>				
<div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> <p style="text-align: center;">DRILLER INFORMATION</p> <p><u>Michael Barlow</u> <u>M W D 355</u></p> <p>Driller's Name 76 License No. 81</p> <p><u>Barlow Well Drilling</u></p> <p>Firm Name</p> <p><u>522 Underwood Lane</u> <u>21014</u></p> <p>Address</p> <p><u>[Signature]</u> <u>12/14/10</u></p> <p>Signature Date</p> </div> <div style="width:50%;"> <p style="text-align: center;">B 4</p> <p style="text-align: center;">DIRECTION OF WELL FROM TOWN (CIRCLE BOX)</p> <div style="text-align: center;"> </div> <p>ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)</p> <p><u>6270 Cardinal Lane</u></p> <p>11 NEAR WHAT ROAD 30</p> <p>ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)</p> <p><u>6270</u></p> <p>34 37</p> <p>DISTANCE FROM ROAD ENTER FT OR MI 38 39</p> <p>TAX MAP: _____ BLK: _____ PARCEL _____</p> </div> </div>				
<div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> <p style="text-align: center;">B 2</p> <p style="text-align: center;">WELL INFORMATION</p> <p>APPROX. PUMPING RATE (GAL. PER MIN.) <u>0</u></p> <p>8 12</p> <p>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <u>0</u></p> <p>14 20</p> <p style="text-align: center;">USE FOR WATER (CIRCLE APPROPRIATE BOX)</p> <p><input checked="" type="checkbox"/> D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION</p> <p><input type="checkbox"/> F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)</p> <p><input type="checkbox"/> I INDUSTRIAL, COMMERCIAL, DEWATERING</p> <p><input type="checkbox"/> P PUBLIC WATER SUPPLY WELL</p> <p><input type="checkbox"/> T TEST, OBSERVATION, MONITORING</p> <p><input checked="" type="checkbox"/> G GEO-THERMAL <u>2 bores x 400'</u></p> </div> <div style="width:50%;"> <p style="text-align: center;">NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL</p> <p>COUNTY NAME _____ COUNTY NO. _____</p> <p>STATE SIGNATURE _____ INSERT S → 41</p> <p>DATE ISSUED _____</p> <p>43 MM DD YY 48 CO SIGNATURE _____ EXP. DATE _____</p> <p>NORTH GRID 50 <u>000</u> 55 EAST GRID 57 <u>000</u> 63</p> </div> </div>				
<p>APPROXIMATE DEPTH OF WELL <u>400</u> FEET</p> <p>24 28</p> <p>APPROXIMATE DIAMETER OF WELL <u>6</u> INCH</p> <p>NEAREST INCH</p> <p style="text-align: center;">METHOD OF DRILLING (circle one)</p> <p>BORED (or Augered) <u>JETTED</u> Jetted & DRIVEN</p> <p>30 AIR-ROTARY <u>AIR-PERCussion</u> ROTARY (Hydraulic Rotary)</p> <p>37 CABLE <u>REVerse-ROTary</u> DRIVE-POINT</p> <p>other _____</p> <p style="text-align: center;">REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</p> <p><input checked="" type="checkbox"/> N THIS WELL WILL NOT REPLACE AN EXISTING WELL</p> <p><input type="checkbox"/> Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED</p> <p>39 <input type="checkbox"/> S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS</p> <p><input type="checkbox"/> D THIS WELL WILL DEEPEN AN EXISTING WELL</p> <p>PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52</p> <p style="text-align: center;">Not to be filled in by driller (MDE OR COUNTY USE ONLY)</p> <p>APPROX. PERMIT NUMBER _____ G _____</p> <p>PERMIT No. _____</p> <p>70 71 72 73 74 75 76 77 78 79</p>				
<p style="text-align: center;">SPECIAL CONDITIONS</p> <p>NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -</p> <div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> <p>SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X</p> <p>SOURCES OF DRILLING WATER</p> <p>1. <u>Well</u></p> <p>2. _____</p> <p>3. _____</p> <p>WRITE THE BOX NUMBER FROM THE MAP HERE</p> <p>E <u>830</u></p> <p>N <u>490</u></p> <p>000 000</p> <p>DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION</p> <div style="text-align: center;"> </div> </div> <div style="width:50%; text-align: right;"> <p>© COUNTY</p> </div> </div>				



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Test Borings & Consulting • Geothermal Drilling & Systems
NGWA & IGSHPA Certified

Howard County Health Department
7178 Columbia Gateway Drive
Columbia, MD 21046
Fax: 410-313-2648

December 14, 2010

Re: 6270 Cardinal Lane, Columbia

Dear Department of Environment:

Please note unless otherwise specified all geothermal bores installed by our company will be installed as follows:

Grout: Bentonite Grout 20% solids minimum
Manufacture(s): Baroid or Wyo-Ben
Will be grouted from the bottom to the top with grout material

Piping: Polyethylene SDR 11 160 PSI as recommended per IGSHPA
Manufacture: EnDot or Charter Plastics or equal, Size 1" or 1 1/4"
IGSHPA Certification Number 12687

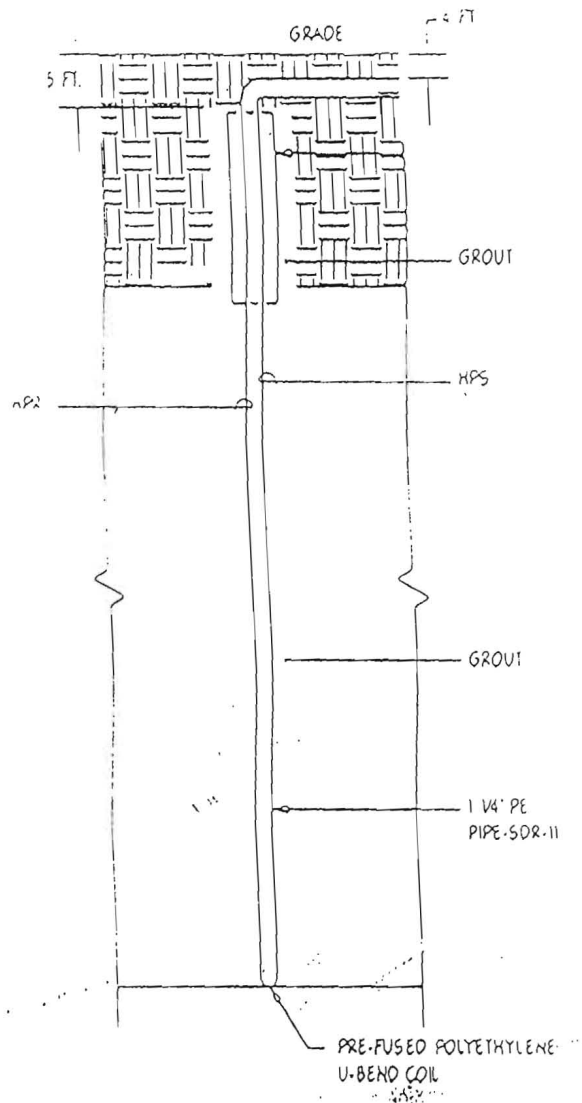
Also attached is a cross section diagram of the bore hole.

We would appreciate your help in getting this permit released as soon as possible so that we can expedite this project. If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Michael Barlow', written over a horizontal line.

Michael Barlow



4 TYPICAL BORE HOLE DETAIL
 H1.00 NOT TO SCALE

NOTES:

- 1) B.R.L. Information, if shown, was obtained from existing record plat or local agencies and is not guaranteed by NTT, Inc.
- 2) Building line and/or Flood Zone Information is subject to the interpretation of the originator.
- 3) NTT, Inc. does not certify to unshown or unrecorded encroachments or overlaps.
- 4) Property markers NOT found, or guaranteed by this location.
- 5) Setback distance accuracy: $\pm 1'$

20' Wide
Drainage and Utility
Easement

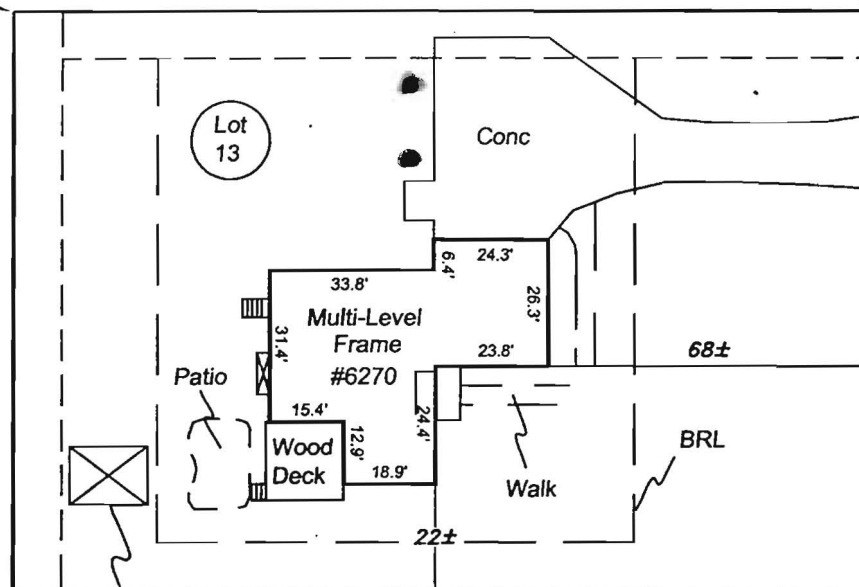
N 70°27'30" E
180.00'

Pin & Cap
F'd

Cardinal Lane

S 19°32'30" E
121.00'

S 19°32'30" E
121.00'



Building Restriction Lines:

Front...50'
Sides...10'
Rear...30'

Frame
Shed

N 70°27'30" E
180.00'

Pin & Cap
F'd

Lot
12

Subject property is shown in Zone C
on the FIRM Map of Howard County,
Maryland on Community Panel #
240044 0033B.Effective 12-4-86

1/12/2011

Borehole sites O.K. (BB)

This is to certify that I have surveyed the property shown hereon,
being known as Lot 13,
SPRING LAKE GARDENS
and recorded among the land records of Howard County,
Maryland in Plat 3969 folio
for the purpose of locating the improvements thereon.

- * This plat is of benefit to the 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 purposes.
- * This plat is not to be relied upon for the establishment of location of fences, garages, buildings, or other existing or future structures.
- * This plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or for securing financing or refinancing.



LOCATION DRAWING
6270 Cardinal Lane
Howard County, Maryland
Election District No. 05

NTT Associates, Inc.
16205 Old Frederick Road
Mt. Airy, Maryland 21771
Ph. (410)442-2031
Fax No. (410)442-1315

Scale: 1" = 40'
Date: 11-5-10
Field By: Don
Drawn By: Don
Drawing # 41523ELCS