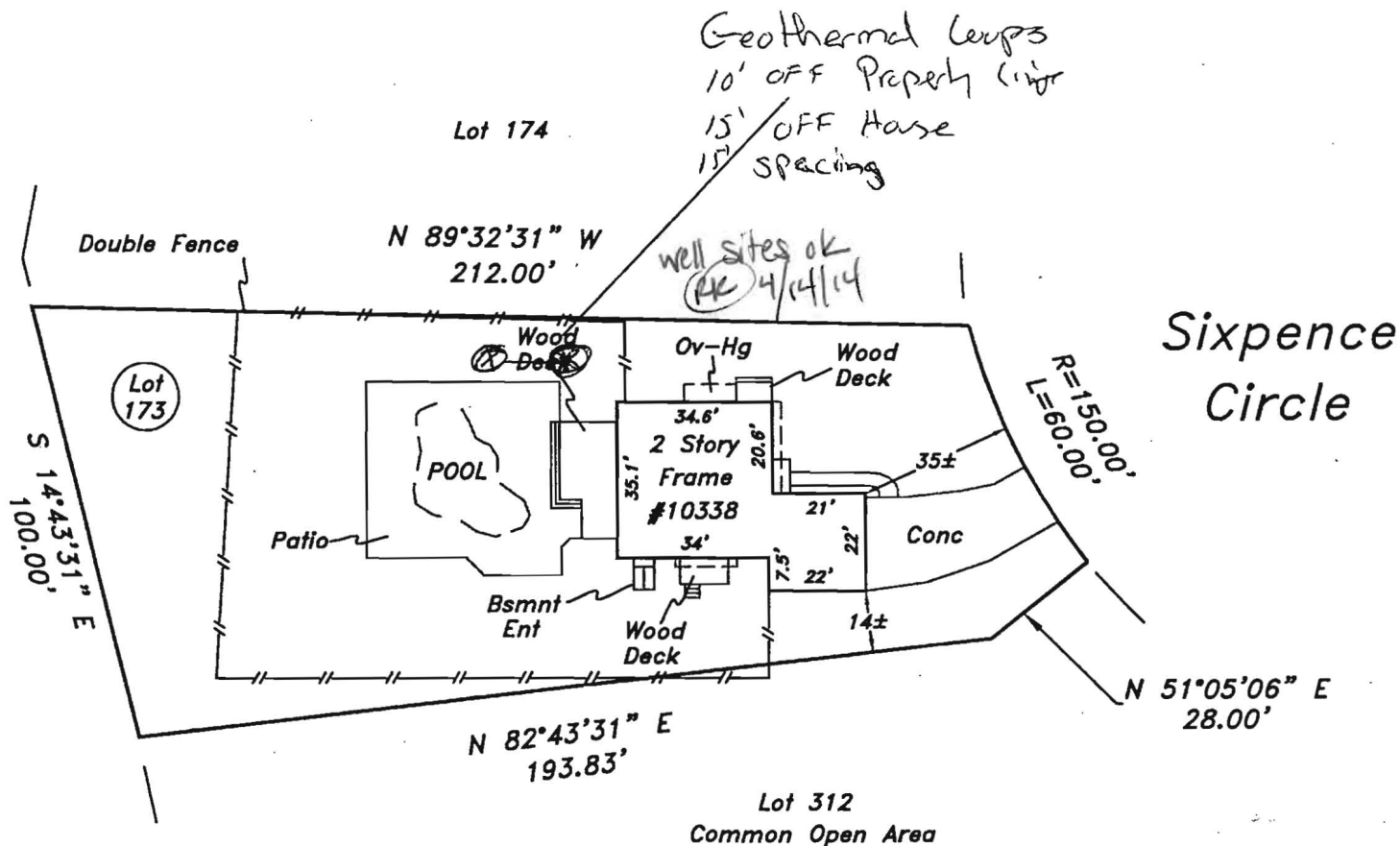


<b>C 1</b> 14286		SEQUENCE NO. (MDE USE ONLY)		<b>STATE OF MARYLAND</b> <b>WELL COMPLETION REPORT</b> FILL IN THIS FORM COMPLETELY PLEASE TYPE				THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.			
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)						COUNTY NUMBER					
ST/CO USE ONLY DATE Received MM DD YY 05 13 14		DATE WELL COMPLETED MM DD YY 05 12 14		Depth of Well 22 400' 26 (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" 140 - 95 - 2676					
OWNER Eardner		last name		first name		TOWN Columbia		LOT 173			
WELL SITE ADDRESS 10338 Sixpence Cir.		SUBDIVISION		SECTION		LOT					
<b>WELL LOG</b> Not required for driven wells				<b>GROUTING RECORD</b>				<b>C 3</b>			
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING				WELL HAS BEEN GROUTED (Circle Appropriate Box) <b>Y</b> <b>N</b>				<b>PUMPING TEST</b>			
DESCRIPTION (Use additional sheets if needed)				TYPE OF GROUTING MATERIAL (Circle one) CEMENT <b>CM</b> BENTONITE CLAY <b>BC</b>				HOURS PUMPED (nearest hour) 8 9			
FEET FROM TO				NO. OF BAGS 16 NO. OF POUNDS 200				PUMPING RATE (gal. per min.) 11 15			
moist to wet Brown m-f Sandy Micaceous silt				GALLONS OF WATER 400				METHOD USED TO MEASURE PUMPING RATE			
Weathered Rock				DEPTH OF GROUT SEAL (to nearest foot) from 0' TOP 52 ft. to 400' BOTTOM 58 ft. (enter 0 if from surface)				WATER LEVEL (distance from land surface)			
Rock				CASING RECORD				BEFORE PUMPING 17 20 ft.			
16 bags x 26 gal = 416 gal / 400' = 1.04 gal/ft				casing types insert appropriate code below				WHEN PUMPING 22 25 ft.			
400 gal = 25 gal water / bag				MAIN CASING TYPE				TYPE OF PUMP USED (for test)			
2x Geothermal				Nominal diameter top (main) casing (nearest inch) 60 61 63 64 66 70				<b>A</b> air <b>P</b> piston <b>T</b> turbine			
				Total depth of main casing (nearest foot)				<b>C</b> centrifugal <b>R</b> rotary <b>O</b> other (describe below)			
				OTHER CASING (if used) diameter inch depth (feet) from to				<b>J</b> jet <b>S</b> submersible			
				SCREEN RECORD				<b>PUMP INSTALLED</b>			
				screen type or open hole (insert appropriate code below)				DRILLER INSTALLED PUMP YES NO			
				<b>ST</b> STEEL <b>BR</b> BRASS <b>HO</b> OPEN HOLE				IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.			
				<b>PL</b> PLASTIC <b>OT</b> OTHER				TYPE OF PUMP INSTALLED			
				<b>C 2</b> DEPTH (nearest ft.)				PLACE (A,C,J,P,R,S,T,O) IN BOX 29			
				1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100				CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35			
				SLOT SIZE 1 2 3				PUMP HORSE POWER 37 41			
				DIAMETER OF SCREEN (NEAREST INCH) 56 60				PUMP COLUMN LENGTH (nearest ft.) 43 47			
				from to				CASING HEIGHT (circle appropriate box and enter casing height)			
				GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68				<b>+</b> above <b>-</b> below LAND SURFACE (nearest foot)			
				MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)				LATITUDE 39.196183			
				T (E.R.O.S.) W Q				LONGITUDE 76.874316			
				70 72 74 75 76				(DEFAULT COORD. WGS 84)			
				TELESCOPE CASING LOG INDICATOR OTHER DATA				NOTES:			
DRILLERS LIC. NO. 1 M W D 580				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)							

<b>B 1</b> <span style="font-size: 1.5em;">10695</span> <small>1 2 3 6</small>	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> <span style="font-size: 1.2em;">546303</span> please type	STATE PERMIT NUMBER <span style="font-size: 1.2em;">HO - 95 - 2676</span> <small>70 fill in this form completely 79</small>
Date Received (APA) <span style="font-size: 1.2em;">04/14/14</span> <small>8 MM DD YY 13</small> <b>OWNER INFORMATION</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           Last Name: <span style="font-size: 1.2em;">Gardner</span>            Street or RFD: <span style="font-size: 1.2em;">10338 Sixpence Circle</span>            Town: <span style="font-size: 1.2em;">Columbia</span> MD Zip: <span style="font-size: 1.2em;">21044</span> </div> <div style="width: 45%;">           Owner: <span style="font-size: 1.2em;">Ryan</span>            First Name: <span style="font-size: 1.2em;">Ryan</span> </div> </div>		<b>B 3</b> <b>LOCATION OF WELL</b> COUNTY: <span style="font-size: 1.2em;">Howard</span> SUBDIVISION: <span style="font-size: 1.2em;">Hickory Ridge</span> SECTION: <span style="font-size: 1.2em;">173</span> LOT: <span style="font-size: 1.2em;">173</span> NEAREST TOWN: <span style="font-size: 1.2em;">Columbia</span>	
<b>DRILLER INFORMATION</b> Driller's Name: <span style="font-size: 1.2em;">Edward Gross</span> License No.: <span style="font-size: 1.2em;">M WD 560</span> Firm Name: <span style="font-size: 1.2em;">Long Green Drilling</span> Address: <span style="font-size: 1.2em;">2109 Emmorton Park Rd. Edgewood MD</span> Signature: <span style="font-size: 1.2em;">[Signature]</span> Date: <span style="font-size: 1.2em;">3/24/14</span>		<b>B 4</b> <b>SOURCES OF DRILLING WATER</b> 1. <span style="font-size: 1.2em;">Public</span> 2. 3. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <div style="text-align: center;"> </div> DISTANCE FROM ROAD: <span style="font-size: 1.2em;">35</span> FT. ENTER FT OR MI: <span style="font-size: 1.2em;">18</span> TAX MAP: <span style="font-size: 1.2em;">35</span> BLK: <span style="font-size: 1.2em;">18</span> PARCEL: <span style="font-size: 1.2em;">291</span>	
<b>B 2</b> <b>WELL INFORMATION</b> APPROX. PUMPING RATE (GAL. PER MIN.): <span style="font-size: 1.2em;">8</span> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): <span style="font-size: 1.2em;">14</span>		<b>NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL</b> COUNTY NAME: <span style="font-size: 1.2em;">Howard</span> COUNTY NO.: <span style="font-size: 1.2em;">13</span> STATE SIGNATURE: <span style="font-size: 1.2em;">[Signature]</span> INSERT S → DATE ISSUED: <span style="font-size: 1.2em;">04/14/2014</span> CO SIGNATURE: <span style="font-size: 1.2em;">[Signature]</span> EXP. DATE: <span style="font-size: 1.2em;">4/4/15</span>	
<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b> [D] DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION [F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) [I] INDUSTRIAL, COMMERCIAL, DEWATERING [P] PUBLIC WATER SUPPLY WELL [T] TEST, OBSERVATION, MONITORING [O] OPEN LOOP GEOTHERMAL [C] CLOSED LOOP GEOTHERMAL <span style="font-size: 1.2em;">2 loops</span>		APPROXIMATE DEPTH OF WELL: <span style="font-size: 1.2em;">400</span> FEET APPROXIMATE DIAMETER OF WELL: <span style="font-size: 1.2em;">6</span> INCH.	
<b>METHOD OF DRILLING (circle one)</b> BORED (or Augered) <input checked="" type="radio"/> JETTED <input type="radio"/> Jetted & DRIVEN <input type="radio"/> AIR-ROTARY <input type="radio"/> AIR-PERCussion <input type="radio"/> ROTARY (Hydraulic Rotary) <input type="radio"/> CABLE <input type="radio"/> REVerse-ROTary <input type="radio"/> Drive-POINT <input type="radio"/> other: _____		PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL 	
<b>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</b> [N] THIS WELL WILL NOT REPLACE AN EXISTING WELL [Y] THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED [S] THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS [D] THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE): <span style="font-size: 1.2em;">HO - 95 - 2676</span>		APPROXIMATE DEPTH OF WELL: <span style="font-size: 1.2em;">400</span> FEET APPROXIMATE DIAMETER OF WELL: <span style="font-size: 1.2em;">6</span> INCH.	
<b>Not to be filled in by driller (MDE OR COUNTY USE ONLY)</b> APPROP. PERMIT NUMBER: <span style="font-size: 1.2em;">G</span> PERMIT No.: <span style="font-size: 1.2em;">HO - 95 - 2676</span>			
SPECIAL CONDITIONS: <span style="font-size: 1.2em;">Well must be grouted from bottom to top.</span>			



Note: Wood fence appears to exceed property line as shown.

The purpose of this drawing is to locate, describe, and represent the positions of buildings and substantial improvements affecting the property shown hereon, being known as Lot 173, Section 1, Area 2, COLUMBIA VILLAGE OF HICKORY RIDGE recorded among the land records of Howard County, Maryland in Plat Book 25, plat 31

This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations.

This is page one of a two page document. The advice found on the affixed page is an integral part of this drawing, and is not valid without all pages.



J. Carl Hudgins PLS #96  
Expiration Date: 3/11/14

**LOCATION DRAWING**  
10338 Sixpence Circle  
ELECTION DISTRICT No. 15  
HOWARD COUNTY, MARYLAND

**NTT Associates, Inc.**

16205 Old Frederick Rd.  
Mt. Airy, Maryland 21771  
Phone: (410) 442-2031  
Fax: (410) 442-1315  
www.nttsurveyors.com

Scale: 1"= 40'  
Date: 3-25-13  
Field By: DR  
Drawn By: DR  
Drawing # RA13-007  
Page No.: 1 of 2

# Borehole Cross Section

