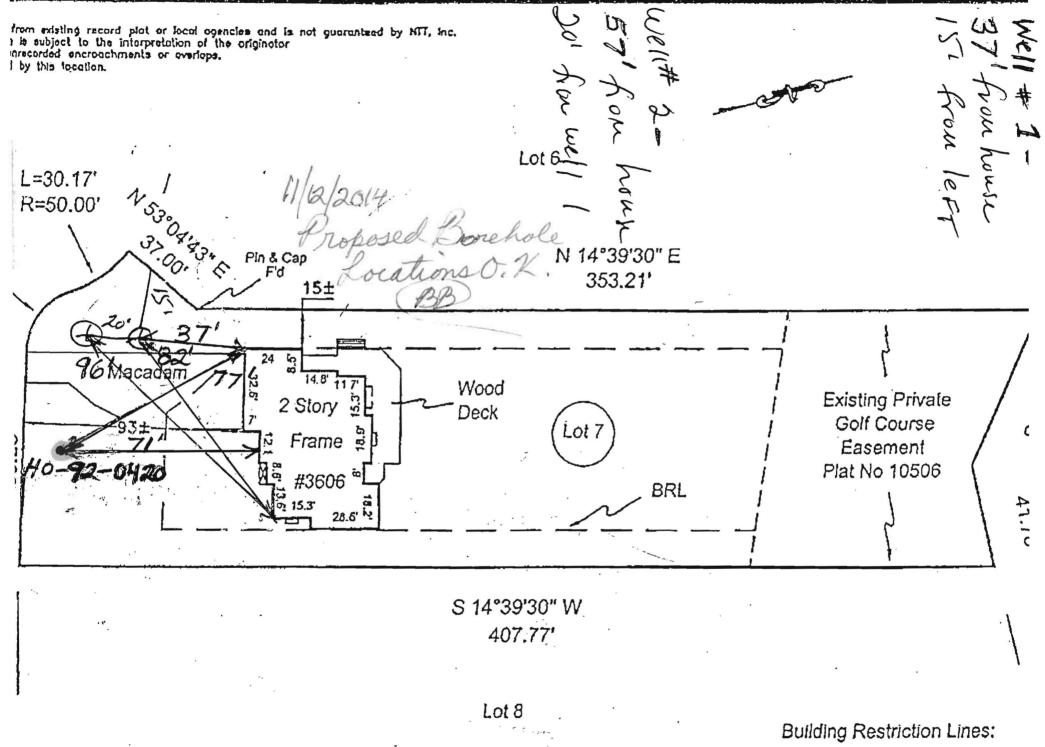
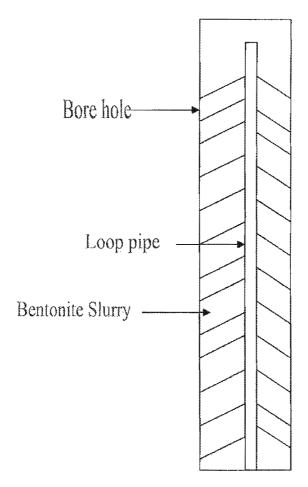
C 1 28674 SEQUÊNCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER
ST/CO USE ONLY DATE WELL COMPL	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"
MM DD YY 15 15	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3/15 SC) <del>28 29 30 31 32 33 34 35 36 37</del>
OWNER FREDERIC, RRISTA WELL SITE ADDRESS WILLOW BIVE TOWN GLENWOOD		
WELL SITE ADDRESS SUBDIVISION CATTAIL OVER CTR CLUB SECTION LOT 7		
WELL LOG  Not required for driven wells	GROUTING RECORD WELL HAS BEEN GROUTED WELL Appreciate Revoluted	C 3
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	WELL HAS BEEN GROUTED (Circle Appropriate Box)  TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST
DESCRIPTION (Use FEET check if water	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
Top So // O Z	NO. OF BAGS 46 NO. OF POUNDS 45 46 NO. OF POUNDS	PUMPING RATE (gel. per min.)
Brown mice 2 15	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
ran SAWDY MICA 15 45	from ft. to ft. to ft. (enter 0 if from surface)	WATER LEVEL (distance from land surface)
0 - 1 - 1	casing CASING RECORD	BEFORE PUMPING 17 20 ft.
	insert appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.
Grey Mica 60 392	code below PLASTIC OTHER	TYPE OF PUMP USED (for test)
	MAIN Nominal diameter Total depth CASING top (main) casing of main casing	A air P piston T turbine
25 bags = 26.3 gal = 657 gal	TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)
bag	60 61 63 64 66 70	jet S submersible
957 gol = 1.22 gal/4.	E OTHER CASING (if used) A diameter depth (feet) H inch from to	27 27
540'	C L	PUMP INSTALLED  DRILLER INSTALLED PUMP YES NO
1575 and marker	R G	(CIRCLE) (YES or NO)  IF DRILLER INSTALLS PUMP, THIS SECTION
25 bags = 23 gal/bag V	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS.  TYPE OF PUMP INSTALLED
	or open hole ST BR HO OPEN	PLACE (A,C,J,P,R,S,T,O) IN BOX 29.
	(appropriate code below)  BRONZE HOLE P L  O T	CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
	PLASTIC OTHER	PUMP HORSE POWER
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED Yes no	E 1 15 17 21	CASING HEIGHT (circle appropriate box
CIRCLE APPROPRIATE LETTER	c c	and enter casing height)  49  LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	below (nearest)
P TEST WELL CONVERTED TO PRODUCTION WELL	R 38 39 41 45 47 51 E E SLOT SIZE 1 2 3	49 50 51
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND	DIAMETER (NEAREST	LATITUDE 3 9. 271736 LONGITUDE 72 . 046 512
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.	OF SCREEN INCH)	(DEFAULT COORD. WGS 84)
DRILLERS LIC. NO. 1 MWD D 240_1	GRAVEL PACK	NOTES:
DRILLERS SIGNATURE	IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 68	ER THE STATE OF TH
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
LIC. NO.1 WKO 064.	T (E.R.O.S.) W Q	₩
SITE SUPERVISOR (sign. of driller or journeyman	70 72 74 75 76	•
responsible for sitework if different from permittee)	TELESCOPE LOG CASING INDICATOR OTHER DATA	
MDE/WMA/PER.071	COUNTY	

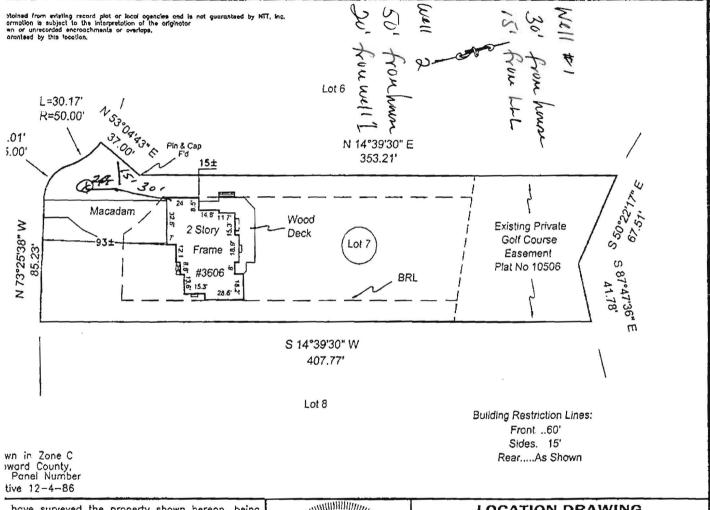


Building Restriction Lines: Front. ..60'

## GEOTHERMAL WELL DESIGN



Owner KMSTA Frederick
Location 3606 WILLOW BIRCH DRIVE
Number of wells 2
Depth 600 1 450 Loop Size 1 1/4
Grout MaterialBentonite Slurry from bottom to G.L.



have surveyed the property shown hereon, being n 2. TTAIL CREEK COUNTRY CLUB ie land records of Howard County, Maryland in

iting the improvements thereon.

to the consumer only insofar as it is required by a ce company or its agent in connection with inancing, or refinancing purposes. relied upon for the establishment of location of is, or other existing or future structures. ride for the accurate identification of property 1 identification may not be required for the transfer financing or refinancing



## LOCATION DRAWING

3606 Willow Birch Drive ELECTION DISTRICT No.

HOWARD COUNTY, MARYLAND

Associates, Inc. 16205 Old Frederick Rd. Mt. Airy, Maryland 21771 Phone: (410)442-2031 Fox: (410)442-1315

Website www.nttsurvevors.com

Scole:	1"= 60'
Date:	4-22-12
Field By	: DR
Drawn B	y: DR
Drawina	# 71636HIRS