

C1	48971	SEQUENCE 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 6 (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 Received MM <u>08</u> DD <u>25</u> YY <u>21</u>	DATE WELL COMPLETED MM <u>8-13</u> DD <u>21</u>	Depth of Well 22 <u>340</u> 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" <u>HO - 20 - 0120</u>
---	--	--	--

OWNER Aggravich, Anna
 WELL SITE ADDRESS 3586 Conchita Dr TOWN Zillicoff, MD
 SUBDIVISION _____ SECTION _____ LOT 4

WELL LOG
Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Fill Dirt	0	3	
Brn Soil w/ mica	3	50	
Soft Gray Rock	50	340	

GROUTING RECORD yes no
 WELL HAS BEEN GROUTED
 (Circle Appropriate Box) 44 44

TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT BENTONITE CLAY

NO. OF BAGS 40 NO. OF POUNDS 3000
 GALLONS OF WATER 1000
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 340 ft.
 (enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below

STEEL CONCRETE
 PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

60 61 63 64 66 70

OTHER CASING (if used)

EACH CASING diameter inch depth (feet) from to

SCREEN RECORD

screen type or open hole insert appropriate code below

STEEL BRASS OPEN HOLE
 PLASTIC OTHER

NUMBER OF UNSUCCESSFUL WELLS: _____

WELL HYDROFRACTURED

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. M 5 D 237

DRILLERS SIGNATURE _____
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. D

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

C 2 DEPTH (nearest ft.)

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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

SLOT SIZE 1 _____ 2 _____ 3 _____

DIAMETER OF SCREEN _____ (NEAREST INCH)
 from _____ to _____

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 _____

70 _____ 72 _____ 74 75 76 _____

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3 **PUMPING TEST**

HOURS PUMPED (nearest hour) _____ 8 9

PUMPING RATE (gal. per min.) _____ 11 15

METHOD USED TO MEASURE PUMPING RATE _____

WATER LEVEL (distance from land surface)

BEFORE PUMPING _____ ft. 17 20

WHEN PUMPING _____ ft. 22 25

TYPE OF PUMP USED (for test)

air piston turbine
 centrifugal rotary other (describe below)
 jet submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES NO

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) _____ 31 35

PUMP HORSE POWER _____ 37 41

PUMP COLUMN LENGTH (nearest ft.) _____ 43 47

CASING HEIGHT (circle appropriate box and enter casing height)

above } LAND SURFACE (nearest foot)
 below }

LATITUDE 39.27328
 LONGITUDE 76.96588
 (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. Failure to provide the info. may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or state law.

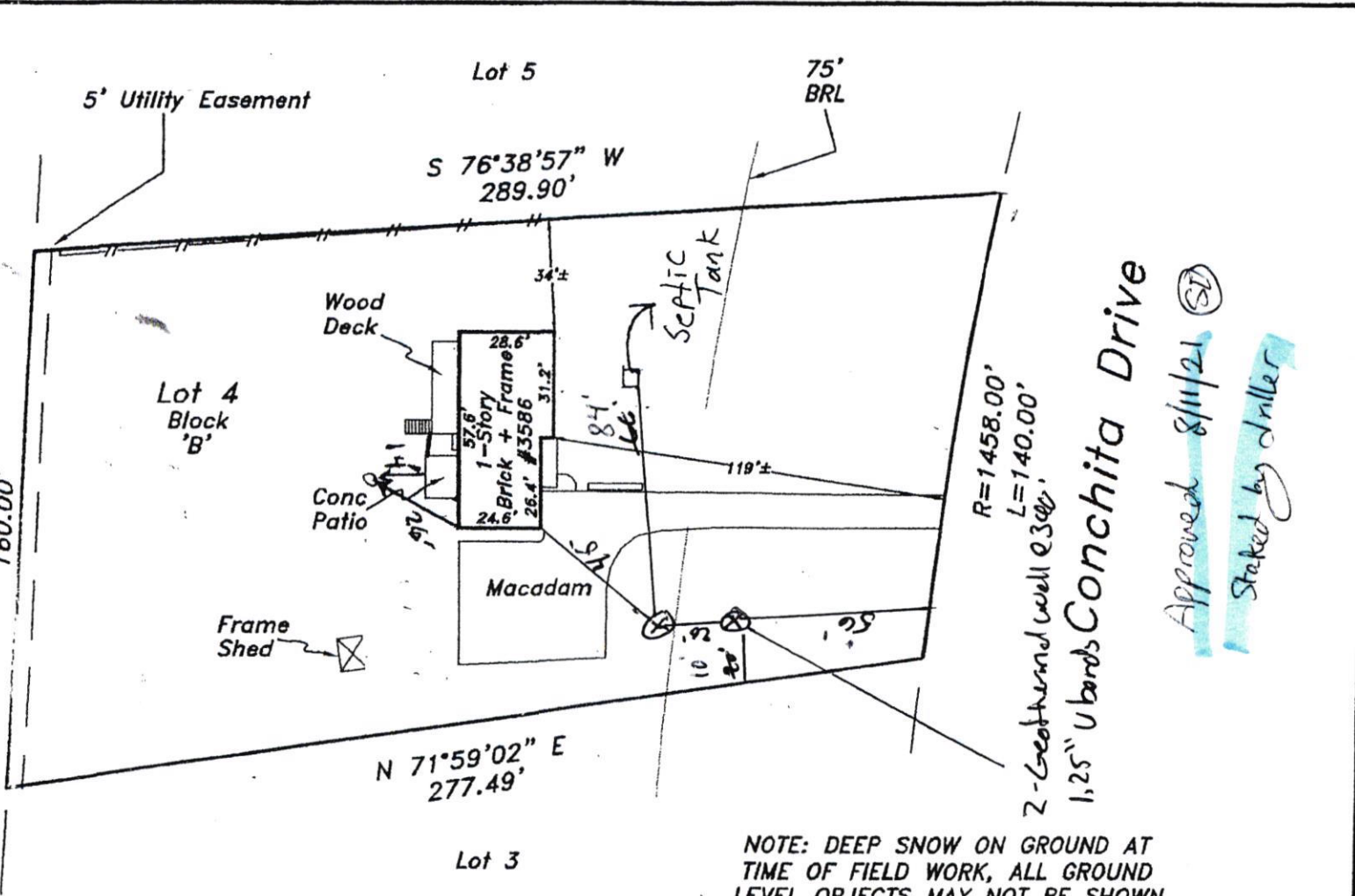
B 1	75173	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER <u>40 - 20 - 0120</u> 70 79 <i>fill in this form completely</i>
1 2 3 6	OWNER INFORMATION Date Received (APA) _____ 8 MM DD YY 13 15 Last Name <u>AGANOVICH</u> Owner First Name <u>ANNA</u> 34 36 Street or RFD <u>3586 Conchita Drive</u> 55 57 Town _____ 70 State _____ 72 Zip _____ 76		B 3 LOCATION OF WELL 8 COUNTY _____ 21 23 SUBDIVISION _____ 42 SECTION _____ 44 46 LOT <u>4</u> 48 50 52 NEAREST TOWN _____ 71	
DRILLER INFORMATION Driller's Name <u>Boyd Survey</u> M S D <u>233</u> 76 License No. 81 Firm Name _____ Address _____ Signature _____ Date <u>8/10/22</u>		B 4 SOURCES OF DRILLING WATER 1. _____ 2. _____ 3. <u>Duck Creek</u> 11 STREET ADDRESS <u>3586 Conchita Dr</u> 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST <input checked="" type="checkbox"/> EAST SOUTH 34 DISTANCE FROM ROAD 37 ENTER FT OR MI 38 39 TAX MAP: <u>022</u> BLK: _____ PARCEL <u>0192</u>		
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) <input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input checked="" type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> PUBLIC WATER SUPPLY WELL <input type="checkbox"/> TEST, OBSERVATION, MONITORING <input type="checkbox"/> OPEN LOOP GEOTHERMAL <input type="checkbox"/> CLOSED LOOP GEOTHERMAL		
APPROXIMATE DEPTH OF WELL <u>203</u> FEET 24 28 APPROXIMATE DIAMETER OF WELL _____ INCH NEAREST		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME <u>Howard</u> COUNTY NO. <u>13</u> STATE SIGNATURE _____ INSERT S → 41 DATE ISSUED <u>08/11/22</u> 43 MM DD YY 48 CO SIGNATURE <u>[Signature]</u> EXP. DATE <u>08/11/22</u> DON 8/10/22 @ DDC 8/18/22 (SP)		
METHOD OF DRILLING (circle one) BORED (or Augered) <u>AIR-ROTary</u> JETTED AIR-PERCussion ROTARY (Hydraulic Rotary) 30 37 CABLE REVerse-ROTary DRive-POINT 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 		
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> THIS WELL WILL DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52		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. Failure to provide the info may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State Law.		
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER _____ G _____ PERMIT No. <u>40 - 20 - 0120</u> 70 71 72 73 74 75 76 77 78 79		SPECIAL CONDITIONS NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED		

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

HO-20-0120

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

S 06°56'25" E
160.00'



R=1458.00'
L=140.00'
2-6" weathered well @ 300'
1.25" U-bands Conchita Drive

Approved 8/11/21 (ST)

Staked by Miller

NOTE: DEEP SNOW ON GROUND AT TIME OF FIELD WORK, ALL GROUND LEVEL OBJECTS MAY NOT BE 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 4, Block B, Plat of Section Two,
KINGSTON

recorded among the land records of Howard County, Maryland in
Plat Book 22 Plat 42

PREPARED FOR:

GREATER MARYLAND TITLE, LLC
An Affiliate of Title Alliance, Ltd.
an ESOP Company

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.



James Carl Hudgins
Property Line Surveyor #96
Expiration Date: 3/11/16

LOCATION DRAWING
3586 Conchita Drive
3rd ELECTION DISTRICT
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" = 50'
Date: 2-4-16
Field By: DR
Drawn By: DR
File No.: 652-000645
Page No.: 1 of 2

Thomas, Susan

From: Andy Capelle <acapelle@alliedwells.com>
Sent: Monday, August 9, 2021 8:45 AM
To: Thomas, Susan
Subject: Re: FW: 3586 Conchita Drive - Earth River Geothermal

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Susan,

Allied agrees to accept the transferring of the well tag for 3586 Conchita Drive.

Andy

On Mon, Aug 9, 2021 at 8:38 AM Thomas, Susan <sathomas@howardcountymd.gov> wrote:

Hi Andy,

Can you email me something that says you are taking over this well permit?

Thanks,

Susan

From: Tiffany Gray <tgray@chesapeakegeo.com>
Sent: Wednesday, August 4, 2021 10:24 AM
To: Thomas, Susan <sathomas@howardcountymd.gov>
Cc: Earthriver@verizon.net
Subject: 3586 Conchita Drive - Earth River Geothermal

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Susan:

This email is to notify Howard County that Chesapeake Geosystems, Inc. would like to transfer the geothermal well permit that was issued for 3586 Conchita Drive to Allied Well Drilling.

The client called and stated that the original tag and well permit were mailed back to us, but as of today CGI does not have them.

If you have any questions or need any additional information, please feel free to contact me at the number listed below.

Tiffany Gray

Administrative Services Manager

P: 410-789-5020

E: tgray@chesapeakegeo.com

W: www.chesapeakegeo.com

A: 6720 Fort Smallwood Road, Baltimore, MD 21226

CHESAPEAKE
GEOSYSTEMS, INC.



--

Andy Capelle
Vice President



P.O. Box 129
Annapolis Junction, MD 20701
410-371-2219 cell
301-776-8370 office
301-776-8374 fax
alliedwells.com

Thomas, Susan

From: Thomas, Susan
Sent: Wednesday, August 4, 2021 3:34 PM
To: Tiffany Gray
Subject: RE: 3586 Conchita Drive - Earth River Geothermal

Dear Tiffany,

Thank you for this notice. Once you receive the tag and permit please give them to Allied.

Thanks,

Susan

From: Tiffany Gray <tgray@chesapeakegeo.com>
Sent: Wednesday, August 4, 2021 10:24 AM
To: Thomas, Susan <sathomas@howardcountymd.gov>
Cc: Earthriver@verizon.net
Subject: 3586 Conchita Drive - Earth River Geothermal

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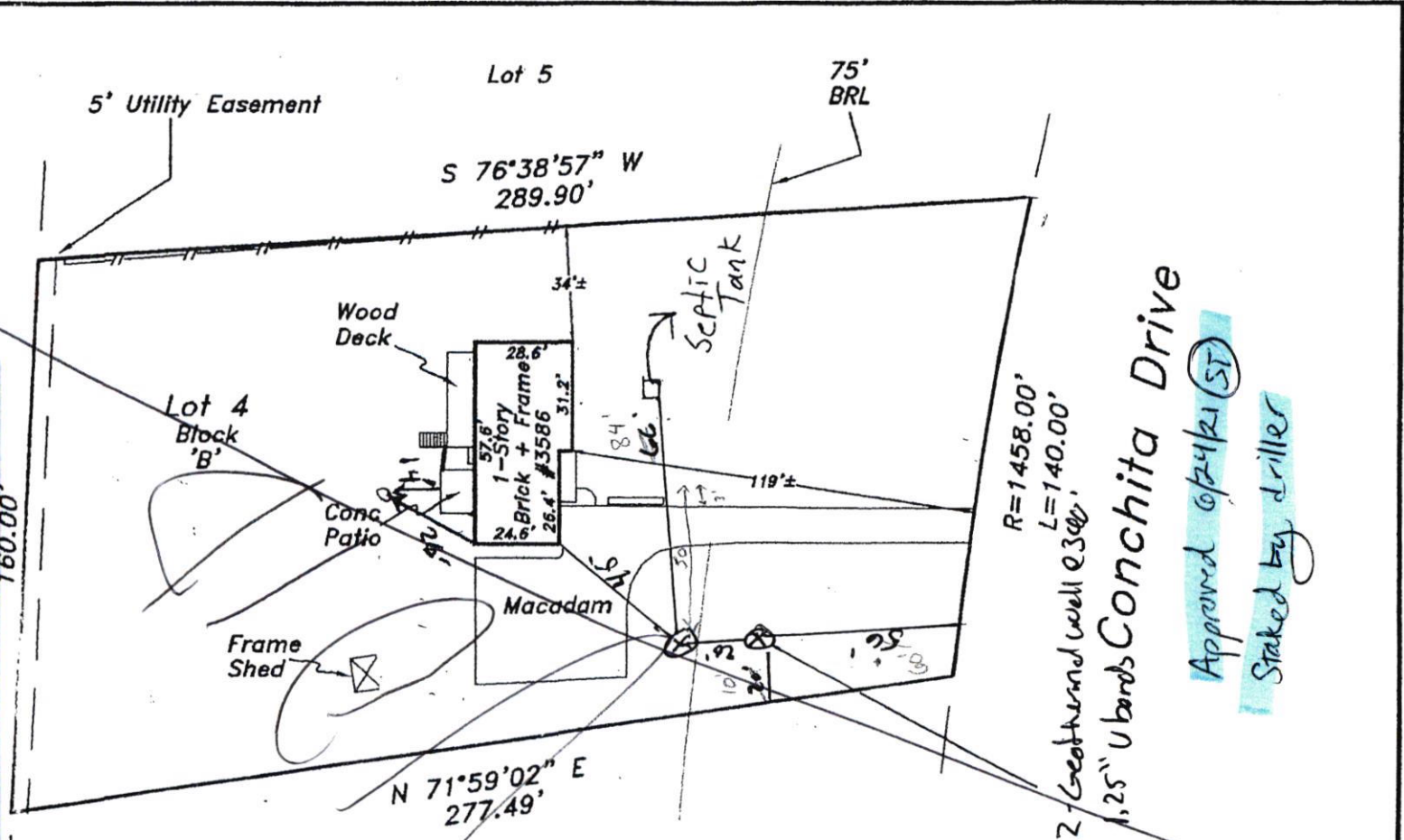
Tiffany Gray
Administrative Services Manager

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CHESAPEAKE
GEOSYSTEMS, INC.



DO NOT REMOVE THIS TAG
 DEPARTMENT OF THE ENVIRONMENT
 WELL PERMIT NUMBER
HO-20-0111
 INFORMATION - GIVE NUMBER AND WRITE
 1800 WASHINGTON BLVD
 BALTIMORE MARYLAND 21230

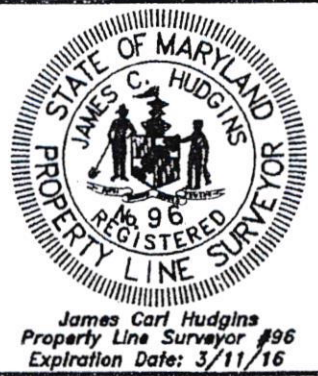


75' BRL
 R=1458.00'
 L=140.00'
 2 - 6.0\"/>

Approved 07/24/11 (ST)
Staked by driller

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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:
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 KINGSTON
 recorded among the land records of Howard County, Maryland in Plat Book 22 Plat 42



LOCATION DRAWING
3586 Conchita Drive
 3rd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

PREPARED FOR:
GREATER MARYLAND TITLE, LLC
 An Affiliate of Title Alliance, Ltd.
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NTT Associates, Inc.
 16205 Old Frederick Rd.
 Mt. Airy, Maryland 21771
 Phone: (410) 442-2031
 Fax: (410) 442-1315
 www.nttsurveyors.com

Scale:	1" = 50'
Date:	2-4-16
Field By:	DR
Drawn By:	DR
File No.:	652-000645
Page No.:	1 of 2

B 1	SEQUENCE NO. (MDE USE ONLY) 40154	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type <i>509501</i>	STATE PERMIT NUMBER HO-20-0111 <small>fill in this form completely</small>
Date Received (APA) 8 MM DD YY 13 <i>06/21</i>		B 3 LOCATION OF WELL 8 COUNTY <u>Howard</u> 21 23 SUBDIVISION <u>Kingston</u> 42 SECTION <u>44</u> LOT <u>4</u> 46 48 50 52 NEAREST TOWN <u>Ellicott City</u> 71	
OWNER INFORMATION 15 Last Name <u>Agranovich</u> Owner First Name <u>Anne</u> 34 36 Street or RFD <u>3586 Conchita Dr.</u> 55 57 Town <u>Ellicott City</u> 70 State <u>MD</u> Zip <u>21042</u> 76		B 4 SOURCES OF DRILLING WATER 11 <u>Public</u> 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST <input checked="" type="checkbox"/> EAST SOUTH 34 <u>56</u> 37 DISTANCE FROM ROAD <u>FT</u> 38 39 ENTER FT OR MI TAX MAP: <u>22</u> BLK: <u>10</u> PARCEL <u>198</u>	
DRILLER INFORMATION Driller's Name <u>Edward Gross</u> MWD SED 76 License No. 81 Firm Name <u>Chesapeake Geosystems</u> Address <u>6720 Fort Smallwood Rd Balt MD 21226</u> Signature <u>[Signature]</u> Date <u>5/27/2021</u>		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) <input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> PUBLIC WATER SUPPLY WELL <input type="checkbox"/> TEST, OBSERVATION, MONITORING <input type="checkbox"/> OPEN LOOP GEOTHERMAL <input checked="" type="checkbox"/> CLOSED LOOP GEOTHERMAL <u>2x Gedhard</u>	
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METHOD OF DRILLING (circle one) BORED (or Augered) <u>JETTED</u> Jetted & DRIVEN 30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) 37 CABLE REVERSE-ROTary DRIVE-POINT 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 	
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SPECIAL CONDITIONS NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED			