

04-366166

EMERGENCY/TEMP NO. IF ANY

B 1	SEQUENCE NO. (MDE USE ONLY) 92376	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER H0 - 25 - 0020 <small>70 fill in this form completely 79</small>
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OWNER INFORMATION

Date Received (APA) _____

8 MM DD YY 13
 15 Last Name Owner First Name 34
 Jaychandran Jesudoss + Sheba
 36 Street or RFD 55
 Elkridge MD 21075
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

Howard
 8 COUNTY 21
 Vineyards at Cattle Creek
 23 SUBDIVISION 42
 SECTION 44 46 LOT 38 48 50
 Glenwood
 52 NEAREST TOWN 71

DRILLER INFORMATION

Wesley Wolfe M W D 598
 76 Driller's Name 81 License No.
 Allied Drilling LLC
 Firm Name
 PO Box 129 Annapolis Junction MD 20701
 Address
 Wesley Wolfe 05/20/25
 Signature Date

B 4 SOURCES OF DRILLING WATER

1. Public
 2. 7/11/2025
 3. [unclear]

3730 Sofia Court
 11 STREET ADDRESS 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH N
 WEST W 32 EAST E
 SOUTH S
 34 DISTANCE FROM ROAD 37
 ENTER FT OR MI 38 39
 TAX MAP: 0024 BLK: _____ PARCEL: 0225

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) _____
 1 2 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) _____
 14 20

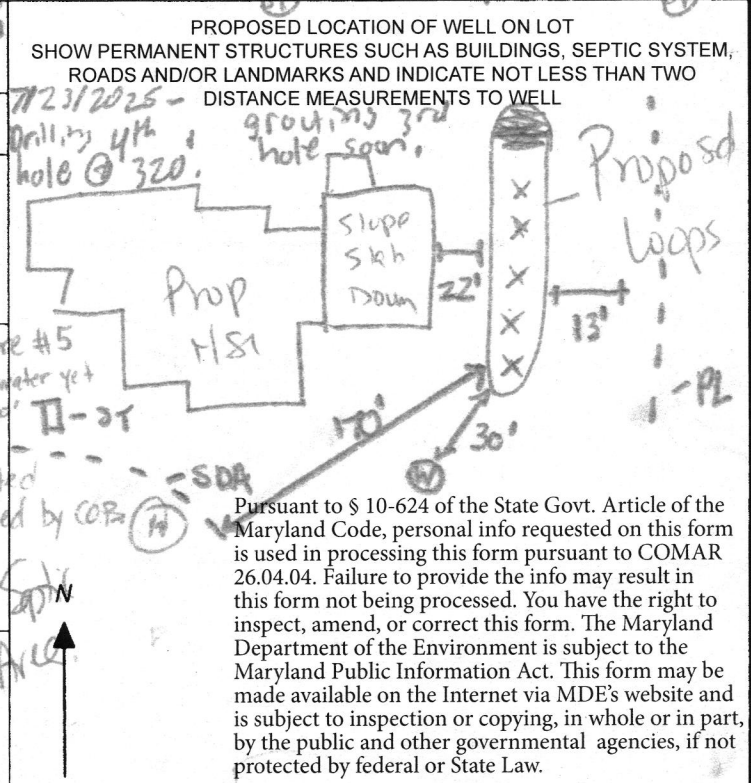
USE FOR WATER (CIRCLE APPROPRIATE BOX)

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
 22
 7/21/2025 Drilled 2nd hole, depth @ 200'
 50 FZC. 50
 7/22/2025 - Grounder 1 + 2 holes used @ 30 bays each - finished 50 loops 3rd hole

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard County 13
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE _____ INSERT S → 41
 DATE ISSUED 7/17/2025 8:10 AM 7/17/2026
 43 MM DD YY 48 CO SIGNATURE EXP. DATE
 BON: 7/18/2025 @ DOB: 7/22/2025 @

APPROXIMATE DEPTH OF WELL 400 FEET
 24 28
 APPROXIMATE DIAMETER OF WELL 6 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 DEEPEMED 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 DEEPEM AN EXISTING WELL
 39
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER _____ G _____
 PERMIT No. H0-25-0020
 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS Please Notify Office of Drilling & Grout
 NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.
 Must Grout from bottom to top. (SP)
 COUNTY

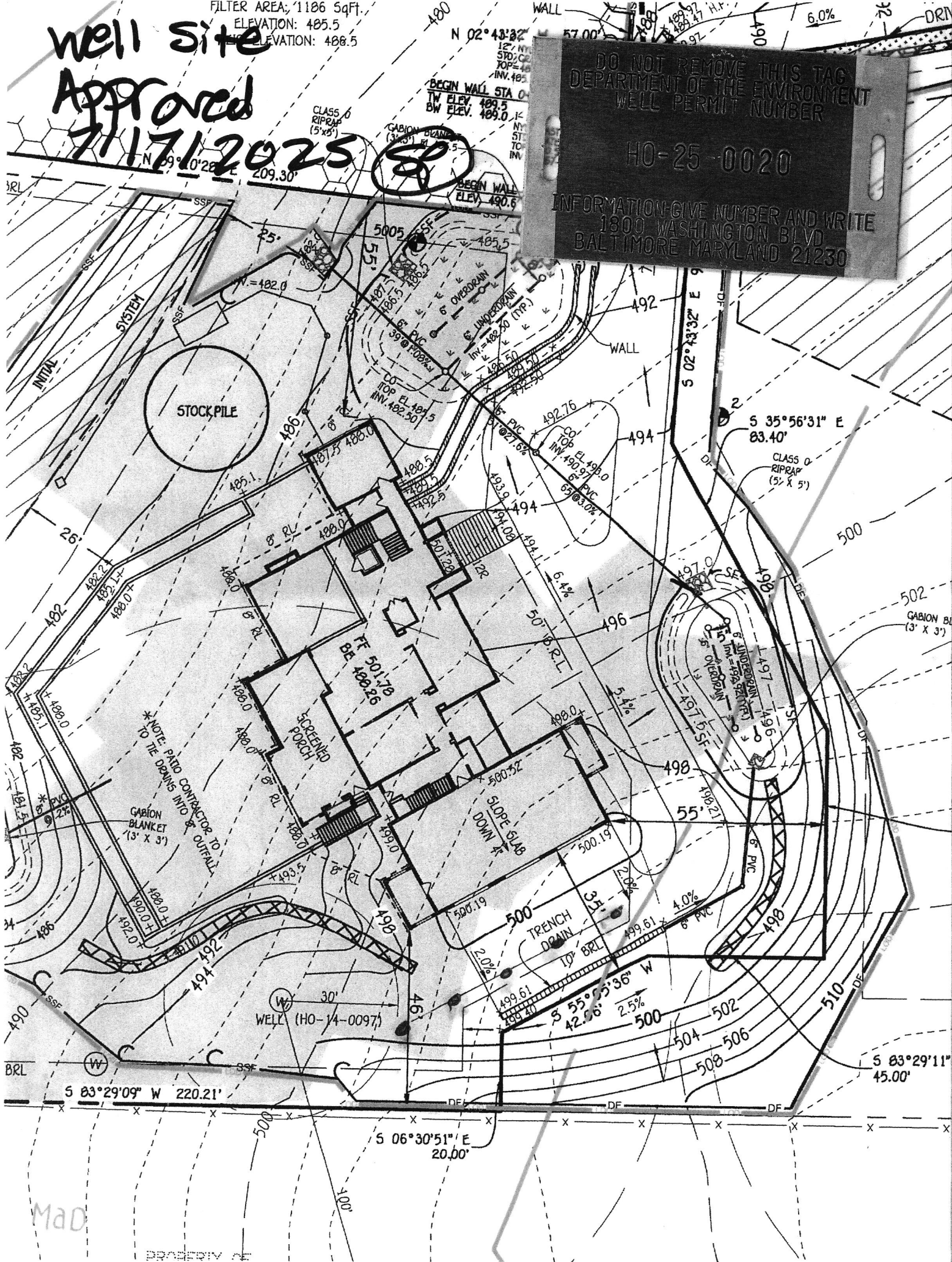
FILTER AREA: 1186 SqFt.
ELEVATION: 485.5
ELEVATION: 488.5

Well Site
Approved

7/17/2025

(8)

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER
HO-25-0020
INFORMATION-GIVE NUMBER AND WRITE
1300 WASHINGTON BLVD
BALTIMORE MARYLAND 21230



MaD

PROPERTY OF

HOWARD COUNTY GROUTING PROCEDURE

Boreholes will be grouted from the bottom to the top via a tremie pipe and positive displacement pump. Bentonite grout, known as Quik-Grout will be used according to the manufacturer's specifications to achieve a consistency of at least 20% solids (24 gallons potable water/50 lb. sack of grout) and a permeability no more than $2.5 \text{ E}(-08) \text{ cm/sec}$. Grouting will be completed immediately after installing the geothermal loop and no later than twenty-four (24) hours after installing the geothermal loop. Open boreholes/annular space will be protected as necessary to prevent the entry of surface water or pollutants.



P.O. Box 129
 Annapolis Junction, MD 20701
 p) 301-776-8370
 f) 301-776-8374
www.alliedwells.com

Contract

Map Coordinate:

Primary Phone #: 301-339-3485
 Fax #:

This Agreement, made this **7th** day of **May-25** between **Felicia Boston** and Allied Well Drilling, Inc. (hereinafter called the "Driller"). The Driller agrees to do the following work on the property **15800 Nottingham Road Upper Marlboro MD 20772** under the terms, conditions and consideration, and pay for the same, all as herein set forth:

1. To Drill a **4.5** inch agricultural well and furnish all casing, screen, gravel, and labor to complete job.
2. All electrical wiring, connections, installations from the power panel and any and all non-drilling work to be performed by owner at the expense of the owner.
3. The owner agrees to pay the full contract price plus 33 1/3% for attorney fees and court costs if the account should have to be collected by an attorney.
4. Interest at the rate of 18% percent will be charged on all money not paid when due.
5. The owner agrees that title in and to any and all materials furnished by the driller, whether in the ground or attached to the premises, shall remain the property of the driller, and the right to remove the casing from the well and materials from the premises, and it is agreed that the driller will not be deemed guilty of trespass in any manner whatsoever if he shall return to remove said materials due to default of payment. The owner assumes full responsibilities for property damage and/or liability which may arise from removal of such material. This clause binding until full payment is received.
6. There is a 2 year guarantee as to the quantity of water produced. This guarantee does not protect the quality of the water produced by the well, such as nitrates, salt water intrusion, or minerals of the earth.
7. All materials and/or equipment furnished by the driller are guaranteed for a period of **(1 Year's)** if maintained according to instructions.
8. Driller will obtain all necessary permits and carry all insurance required by law unless stated differently herein above. If accepted please enclose a plat map of lot.
9. The contractor will not be responsible for damaged oil lines, septic lines, buried structures, foundations, lawns, trees, fences, gates, shrubbery, flowers, driveways, walkways or unmarked utility lines. All cutting, debris and fluids will remain on the owners premises.
10. It is the Owners responsibility to provide on-site sediment control (i.e., silt fence, etc.).
11. The owner takes full responsibility for selecting and marking the exact well location and providing access for drilling equipment.

12. Repairs and/or installations of water systems are as follows:

Drill and install one 4.5 inch agricultural Well up to 400 feet and \$35.00 per foot beyond.	\$29,800.00
Install a 3 HP CPP Pump 103 holding tank, control box, and manifold with the Hook-Up not to exceed 50' (feet) from the well to tank (\$10.50 per foot beyond). Includes 1 Mud-Containment Bag.	
County permit fee	\$246.40
Abandon & Seal (if drilled or driven)	N/A

Upgrade options:

Option # 1:	Pump: <u>n/a</u>	Tank: <u>n/a</u>
Option # 2:	Pump: <u>n/a</u>	Tank: <u>n/a</u>
Option # 3:	Pump: <u>n/a</u>	Tank: <u>n/a</u>

3 HP Constant flow pressure system for fire suppression **Included**

OPTION TO REMOVE MUD CONTAINMENT BAG (Excludes Drill Spoils) **\$2,500.00** Initials _____

OPTION TO REMOVE MUD CONTAINMENT BAG AND SPOILS **\$4,000.00** Initials _____

If temporary 8" surface casing is required, casing to be installed @ \$30/foot

If Sediment and Erosion (SEC) measures (i.e. silt fence, bag, or straw, etc) is provided by Allied, SEC will be installed at \$375.

If permanent 8" surface casing is required (special condition) casing to be installed @ \$60/foot

*** Mud Cans or additional mud containment bags if necessary are \$650 each.

**Any additional work not covered @ \$300/hr plus materials (includes grading, tree trimming, etc for rig access)

13. The undersigned acknowledges the complete understanding of this agreement and authorizes the work and/or installations hereinabove set forth, and agrees to make payments as follows: **50%** down at the acceptance of this agreement. and 30% due upon completion of drilling, and the **Balance Due** at the time of hookup, prior to starting.

A 2% processing fee will be applied for payments made by credit card.

14. For Value Received, and in order to induce the Driller to enter this Contract, Owner by signing in any capacity below ALSO personally guarantees payment of the funds due under this Contract and all monies due to the Driller hereunder (including reasonable attorneys fees).

No payment is to be held pending well certification.

Contract Accepted

(Date) _____ Signed: _____

15. This contract will expire after 30 days from the issued date.

16. Escalation Clause - Due to volatile increases in fuel/material costs, Allied reserves to right to adjust the contract price to reflect the increase after the agreement.

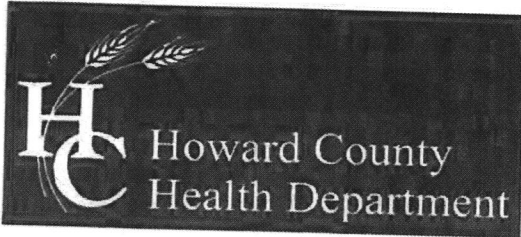
* If rock of any kind is encountered during drilling or Hook-Up, the rock will be removed at the owner's expense.

04-366166

EMERGENCY/TEMP NO. IF ANY

TAG!

B 1		86390	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 572774 please type		STATE PERMIT NUMBER HO-20-0261 fill in this form completely	
Date Received (APA) 020623 OWNER INFORMATION 8 Mr DO YY 13 Kardin Farms LLC 15 Last Name Owner First Name 34 PO Box 180 36 Street or RFD 55 Annapolis Junction MD 20701 57 Town 70 State 72 Zip 76				B 3 LOCATION OF WELL Howard 8 COUNTY Vineyards @ Cattail Creek 23 SUBDIVISION 42 SECTION 44 46 LOT 38 48 50 Glenwood 52 NEAREST TOWN 71			
DRILLER INFORMATION Wesley Wolfe MWD 598 Driller's Name 76 License No. 81 Allid Well Drilling Firm Name PO Box 129 Annapolis Junction MD 20701 Address Wesley A Wolfe 02/01/23 Signature Date				B 4 SOURCES OF DRILLING WATER 1. Public 2. 3. 3730 S Sofia Ct 11 STREET ADDRESS 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 350' 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP 0021 BLK: 8 PARCEL 0225			
B 2		WELL INFORMATION		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL			
1 2		APPROX. PUMPING RATE (GAL. PER MIN.)		Howard 13 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S → 41 DATE ISSUED 3/27/23 mt 3/21/24 43 MM DD YY 48 CO SIGNATURE EXP. DATE Don: DoY: DOG:			
1 2		AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)		USE FOR WATER (CIRCLE APPROPRIATE BOX) D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) 22 I INDUSTRIAL, COMMERCIAL, DEWATERING P PUBLIC WATER SUPPLY WELL T TEST, OBSERVATION, MONITORING O OPEN LOOP GEOTHERMAL C CLOSED LOOP GEOTHERMAL 6 loops			
24 28		APPROXIMATE DEPTH OF WELL 350 FEET		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			
NEAREST INCH		APPROXIMATE DIAMETER OF WELL 6		METHODOF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 36 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) 37 CABLE REVerse-ROTary DRive-POINT other			
41 52		PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)		REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 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 DEEPEM AN EXISTING WELL			
70 71 72 73 74 75 76 77 78 79		PERMIT No. HO-20-0261		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.			
70 71 72 73 74 75 76 77 78 79		APPROX. PERMIT NUMBER		SPECIAL CONDITIONS NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED- groat bores from bottom to top.			



Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
 Main: 410-313-2640 | Fax: 410-313-2648
 TDD 410-313-2323 | Toll Free 1-866-313-6300
 www.hchealth.org
 Facebook: www.facebook.com/hocohealth
 Twitter: HowardCoHealthDep

Dr. Maura J. Rossman, M.D., Health Officer

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

Vineyards@Cattail Creek 38 3730 S Sofia Ct
 Subdivision/Property Name Lot # Road Name

The well site has been staked by Fisher Collins Carter
 (professional land surveyor or company employing professional land surveyors)
 on 2/16/23 (date) and does not require a site inspection.

The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

HoCo Health Depart
 FEB 21 2023
 Environmental Health

GRADE

EACH BORE HOLE (TYP)

MINIMUM
HORIZONTAL BORE
DEPTH 4 FT

FOR CONT.
SEE PLANG.

HORIZONTAL
PIPING

BORE DEPT+

TAPE

5 TO 10 FOOT SECTION OF
REBAR TO GUIDE TUBE
INTO BORE DURING
INSTALLATION

ANCHOR FITTING TO
PREVENT U-TUBE FROM
SURFACING AFTER
INSTALLATION

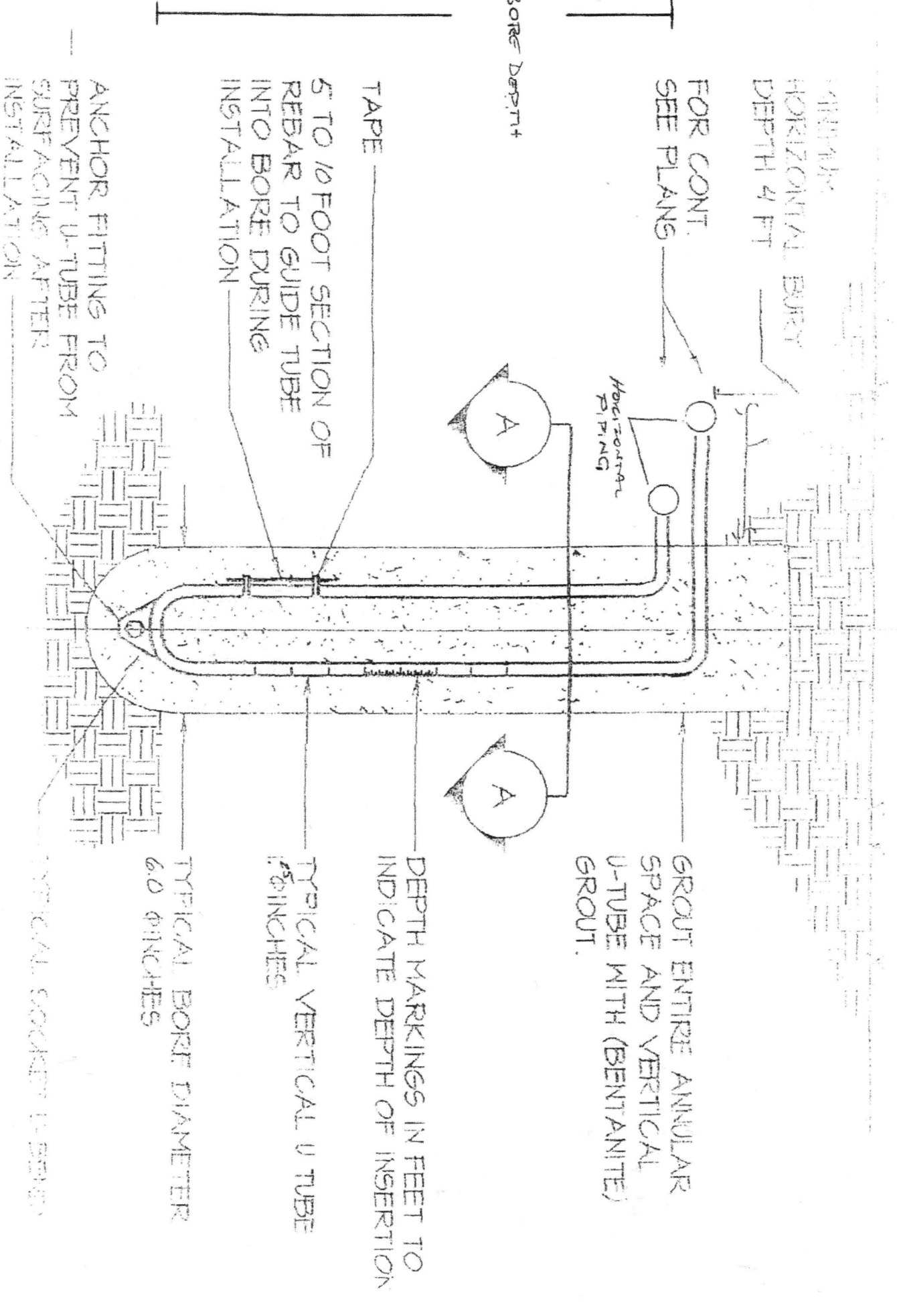
GROUT ENTIRE ANNULAR
SPACE AND VERTICAL
U-TUBE WITH (BENTANITE)
GROUT.

DEPTH MARKINGS IN FEET TO
INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U-TUBE
6 INCHES

TYPICAL BORE DIAMETER
6.0 INCHES

TYPICAL SOCKET U-TUBE



FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
5/28/2015	Reviewed well permit for 5 geo bores @ 3730 Sophia Court.
	wells are < 20' from building foundation. Requested new site
	plan from driver. w/ wells further from foundation. Requested
	wells to be staked per plan. (SP)

C 1

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)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY

Depth of Well 22 320 26 (TO NEAREST FOOT)

Handwritten: OK 3/2/15 SC

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-14-0097

OWNER: Mario Mannapelli; WELL SITE ADDRESS: Sofia Court; TOWN: ; SUBDIVISION: Vineyard Pt Cottal Creek; SECTION: ; LOT: 29

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: Overburden, Soft Brown Dirt/shale MIX, DARK GRAY Rock, H/F WATER, 6 bags cement = 2.4 bags/10 ft.

GROUTING RECORD section with checkboxes for grouting, material type (CM, BC), and bags/pounds.

CASING RECORD section with checkboxes for casing types (ST, CO, PL, OT) and main casing details.

OTHER CASING (if used) section with fields for diameter and depth.

SCREEN RECORD section with checkboxes for screen types (ST, BR, HO, PL, OT) and depth.

DEPTH (nearest ft.) section with a grid for depth intervals and slot size/diameter of screen.

MDE USE ONLY section with checkboxes for gravel pack, telescope casing, and log indicator.

PUMPING TEST section with fields for hours pumped, pumping rate, and pump type (S, submersible).

PUMP INSTALLED section with checkboxes for pump installation and capacity details.

LATITUDE 39.267979; LONGITUDE 77.048216; (DEFAULT COORD. WGS 84)

NOTES: (Empty space for additional notes)

DRILLERS LIC. NO. 1 MWD 120; DRILLERS SIGNATURE; LIC. NO. 1 44D 929; SITE SUPERVISOR

B 1 16192
1 2 3 6

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
554599 please type

STATE PERMIT NUMBER

HO - 14 - 0097
70 fill in this form completely 79

Date Received (APA)
082614
8 MM DD YY 13

OWNER INFORMATION

15 Last Name Owner First Name 34
Mannarelli Mario
36 Street or RFD 55
8933 Mount Patapsco Ct
57 Town 70 State 72 Zip 76
Ellicott City, MD 21042

B 3

LOCATION OF WELL

8 COUNTY 21
Howard
23 SUBDIVISION 42
Vineyards At Cattail Creek
SECTION 44 46 LOT 48 50
29
Glenwood
52 NEAREST TOWN 71

DRILLER INFORMATION

Driller's Name 76 License No. 81
Sandy B. Cochran MWD 120
Firm Name
HARR Well Drilling
Address
12047 Falls Rd, Cockeysville
Signature Date
Sandy B. Cochran

B 4

SOURCES OF DRILLING WATER

- 1. Shop
- 2.
- 3.

11 STREET ADDRESS 30
Sofia Ct
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH N
WEST W 22 EAST E
SOUTH S
34 450 37
DISTANCE FROM ROAD
ENTER FT OR MI 38 39
TAX MAP: BLK: PARCEL

B 2

WELL INFORMATION

APPROX. PUMPING RATE 5
(GAL. PER MIN.) 8 12
AVERAGE DAILY QUANTITY NEEDED 500
(GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- 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

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard A502250 13
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 09/26/2014 RBT 9/26/15
43 MM DD YY 48 CO SIGNATURE EXP. DATE

APPROXIMATE DEPTH OF WELL 300 FEET
24 28

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 DEEPEMED WELLS
(CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
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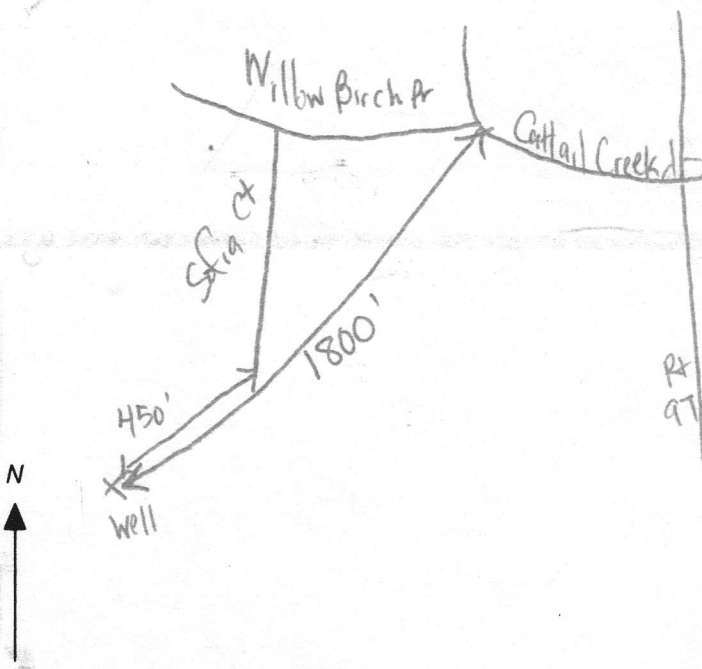
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER G

PERMIT No. HO - 14 - 0097
70 71 72 73 74 75 76 77 78 79

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



SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

HARR WELL DRILLING

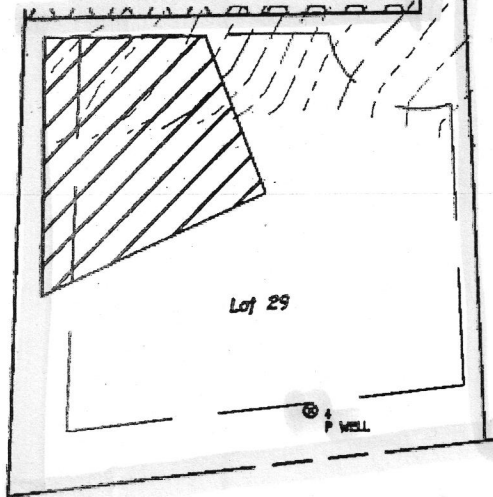
12047 FALLS ROAD
COCKEYSVILLE, MD 21030
410-252-4588

HOWARD COUNTY YIELD TEST REPORT

Date Test Performed: 10-09-2014
Address: Sofia Court
Owner Name: Mario Mannarelli
Well Depth: 320 Ft

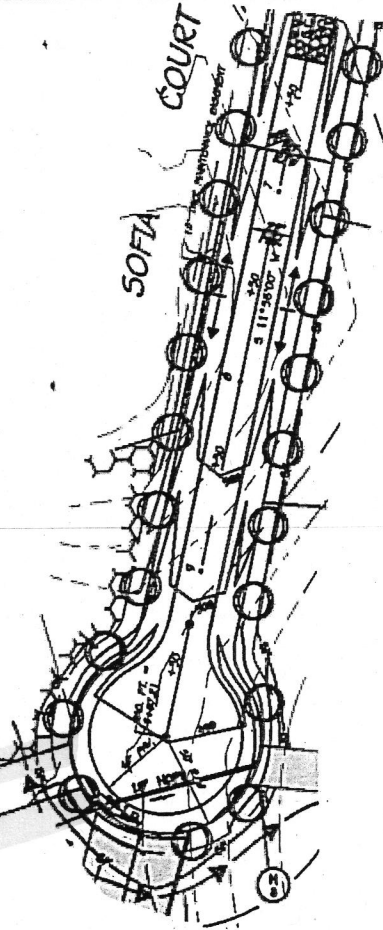
Permit Number: HO-14-0097
Subdivision: Vineyards at Cattail Creek L#29
Election District:
Static Water Level: 40 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 5 gallon bucket	Calculated Flow-Gallons Per Minute
0900	40 ft	50 psi	15 sec	20.00
0915	57	50	15	20.00
0930	62	50	15	20.00
0945	62	50	15	20.00
1000	62	50	15	20.00
1015	62	50	15	20.00
1030	62	50	15	20.00
1045	62	50	15	20.00
1100	62	50	15	20.00
1115	62	50	15	20.00
1130	62	50	15	20.00
1145	62	50	15	20.00
1200	62	50	15	20.00
1215	62	50	15	20.00
1230	62	50	15	20.00



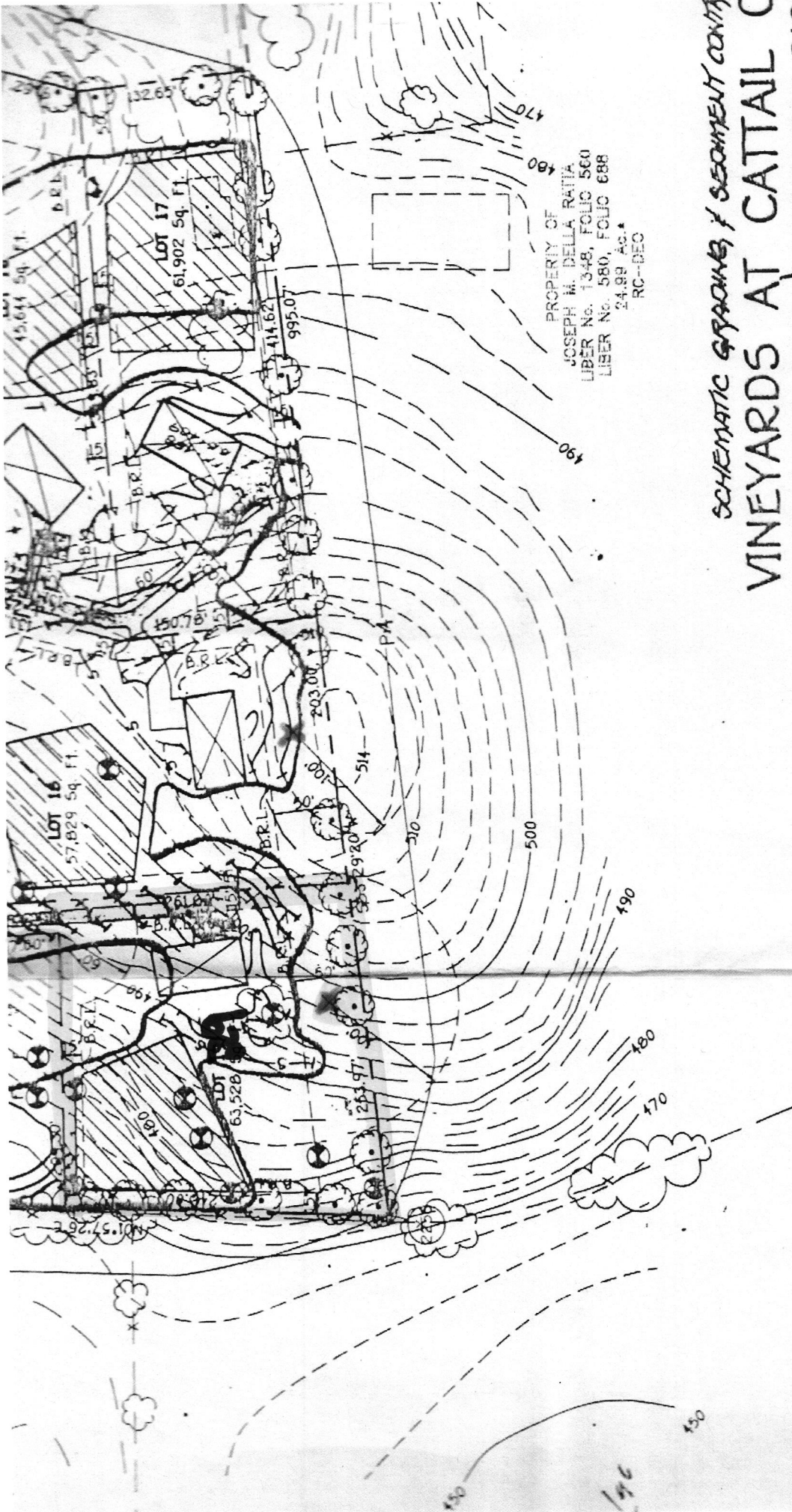
Well site ok

PK 9/26/14



WELL LOCATION:
 N 583,166.34
 E 1,298,674.55
 LAT. - N 41° 12' 09"
 LONG. - W 79° 38' 53"

WELL MAP LOT 29
 VINEYARDS AT CATTAIL CREEK
 LOTS 1 THRU 35 &
 PRESERVATION PARCEL 'A'
 ZONED RC-DEO
 TAX MAP #2 PARCEL NO'S 2,
 220 AND P/O PARCEL 132
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY MARYLAND
 SCALE: 1"=100'



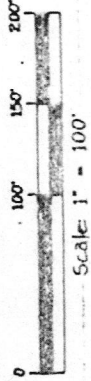
SCHMATIC GRADING & SEGMENT CONTOUR
VINEYARDS AT CATTAIL C

LOTS 1 thru 35 & PRESERVATION PARI
 RESUBDIVISION OF LOTS 1, 2, 4'S VINE YARDS AT CATTAIL
 (PLAT No. 11776), LOTS 1, 2 AND 3, (PLAT No. 10
 AND PROPERTY OF MARIO F. MANNARELLI, SR. E
 ZONED: RC-DEO

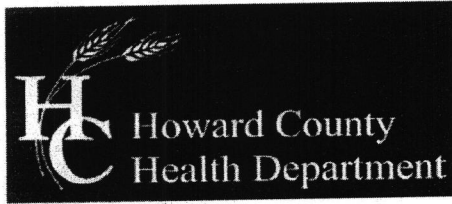
TAX MAP No. 21 PARCEL Nos. 2, 220 AND PART OF PARCEL
 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARY



OWNER & DEVELOPER
 MARIO F. MANNARELLI, SR.
 MARIO F. MANNARELLI, JR.
 2929 SUMMIT CIRCLE
 JOCOTT CITY, MARYLAND 21043



DATE: AUGUST 22, 1995
 SHEET 4 OF 4



Bureau of Environmental Health
8930 Stanford Boulevard, Columbia, MD 21045
Main: 410-313-2640 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

Dr. Maura J. Rossman, M.D., Health Officer

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

VINEYARDS AT CATTAIL CREEK 29 Sofia CT
Subdivision/Property Name Lot # Road Name

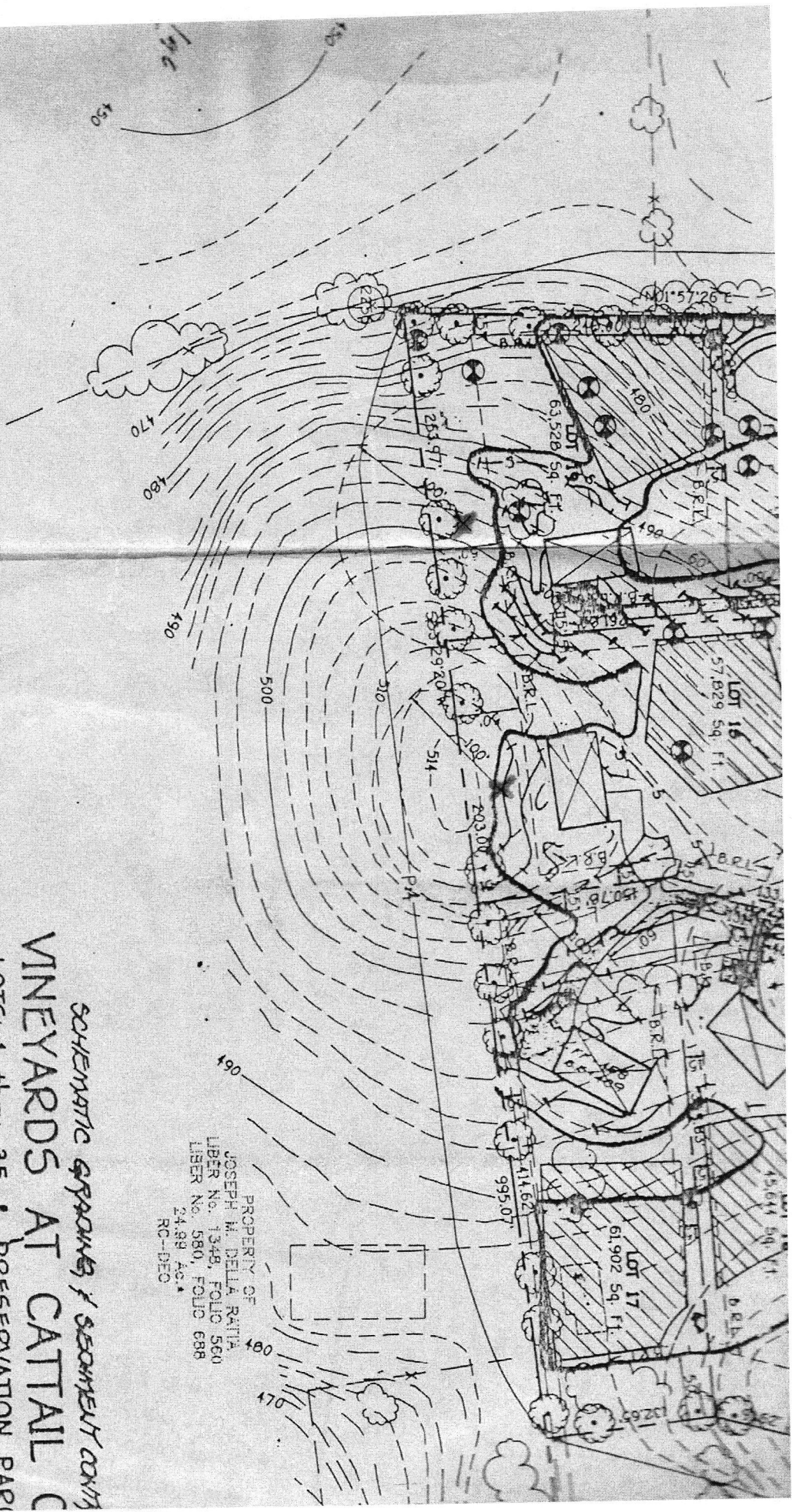
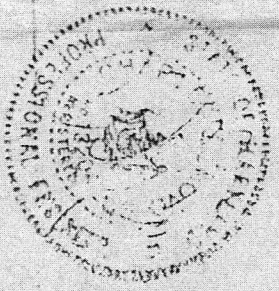
The well site has been staked by Fisher, Collins, + CARTER
(professional land surveyor or company employing professional land surveyors)
on 8/18/14 (date) and does not require a site inspection.

The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 4/22/14

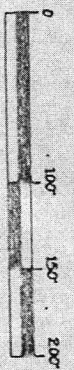
OWNER & DEVELOPER
 MARIO F. MANNARELLI, SR.
 MARIO F. MANNARELLI, JR.
 2929 SUMMIT CIRCLE
 JACOTT CITY, MARYLAND 21043



PROPERTY OF
 JOSEPH M. DELLA RAITA
 LIBER No. 1349, FOLIO 560
 LIBER No. 580, FOLIO 688
 24.99 AC.±
 RC-DEO

SCHEMATIC GRADING & SEAMLESS CONTIN
VINEYARDS AT CATTAIL C
 LOTS 1 thru 35 & PRESERVATION PAR
 RESUBDIVISION OF LOTS 1, 2 & 3 VINE YARDS AT CATTAIL
 (PLAT No. 11776), LOTS 1, 2 AND 3, (PLAT No. 10
 AND PROPERTY OF MARIO F. MANNARELLI, SR. E
 ZONED: RC-DEO

TAX MAP No. 21. PARCEL Nos. 2, 220 AND PART OF PARCEL
 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARY



Scale 1" = 100'

DATE: AUGUST 22, 1995
 SHEET 4 OF 4



Bureau of Environmental Health
8930 Stanford Blvd | Columbia, MD 21045
410.313.2640 - Voice/Relay
410.313.2648 - Fax
1.866.313.6300 - Toll Free

Maura J. Rossman, M.D., Health Officer

INTERIM CERTIFICATE OF POTABILITY
Expiration Date – October 2, 2026

April 2, 2026

Homeowner
3730 Sofia Court
Glenwood, MD 21738

RE: Vineyards @ Cattail Creek, Lot 38
3730 Sofia Ct
Building Permit: B24004224
Well Permit: HO-14-0097

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **8/18/2025**. Final approval of the well line connection to the dwelling was granted on **5/23/2025**. The well construction was completed on **3/2/2015**. Water samples were collected on **1/28/2026**.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-14-0097. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the *Annotated Code of Maryland, Environment Article, 9-1311*, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554

REPORT OF ANALYSIS

Laboratory ID #: 178976 Account #: 1933
Reference: Mueller Homes Client: Fogle's Well Pump & Treatment
Location: 3730 Sofia Court Requested By: Dave Fogle
Glenwood, MD 21738 Source: Well Water
Date/ Time Collected: 1/28/2026 1000 Site: Pressure Tank
Date/Time Rec'd: 1/28/2026 1050 Treatment: **
Chlorine ppm: Free: ND Total: ND pH: 6.3
Collected By: J. Evans 0309JE Well #: HO-14-0097

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/29/2026 / 0900 / KDR
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/29/2026 / 0900 / KDR
Nitrate.	1.02	mg/L (as N)	10	EPA 300.0	1/28/2026 / 1406 / KDR
Turbidity	1.25	NTU	<10	SM2130B	1/28/2026 / 1540 / KDR
Sand	ND	mg/L	5	Visual/Gravimetric	1/28/2026 / 1545 / KDR
Nitrite.	1.57	mg/L (as N)	1	EPA 300.0	1/28/2026 / 1406 / KDR

NOTES:

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 NTU = Nephelometric Turbidity Units
- 4 pH and Chlorine level tested in lab (pH tested after recommended holding time); Chlorine level tested on site
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 Sample collected by client, analyzed as received
- 7 ND:None Detected
- 8 Visual well check: Sealed, vented cap
- 9 **Sample collected prior to Reverse Osmosis

Reason for Test : Use & Occupancy

Building Permit # : B24004224

Date Reported: 1/29/2026

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Robert Feezer Co Telephone #: 410-781-4655
Address: 2134 Snyderburg Rd
Westminster Md 21157

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Russell George License# PIO 148

***A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.**

Name of Property Owner: Mueller Homes Telephone #: 410-379-5956
Subdivision: _____ Lot #: _____ Well Tag # ~~HO 95-7516~~
Site Address: 3730 Sofia Ct PIO-14-0097
Glenwood, Md 21738

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Berkley</u>	Make: <u>Boshart</u>	Two piece watertight cap: <u>Yes</u>
Model #: <u>B7P4MS07221</u>	Model#: <u>P-100-SS</u>	Screened, vented well cap: <u>Yes</u>
Pump Capacity <u>7</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <u>Yes</u>
Well Yield: <u>12</u> GPM	NSF/WSC approved: _____	Conduit min 18" B.G.: <u>Yes</u>

Depth of well encountered at time of pump installation: 220 (feet) Conduit secured to well cap: _____

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors, Cable guards, or other acceptable method used- Must circle one
Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>Poly</u>	PVC sleeve to undisturbed soil at wall penetration: <u>Yes</u>
PSI: <u>200</u> (160 psi min)	Length of sleeve (5' minimum from foundation): <u>10'</u> <u>10'</u>
Depth of supply line: <u>42</u> (36" min)	Sleeve sealed properly: <u>Yes</u>

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this **cannot** be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Russell George date: 5-23-25

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 5/23/2025 Date Insp. Approved: 5/23/2025 Inspector: SP

See Back Page ->

5/23/2025

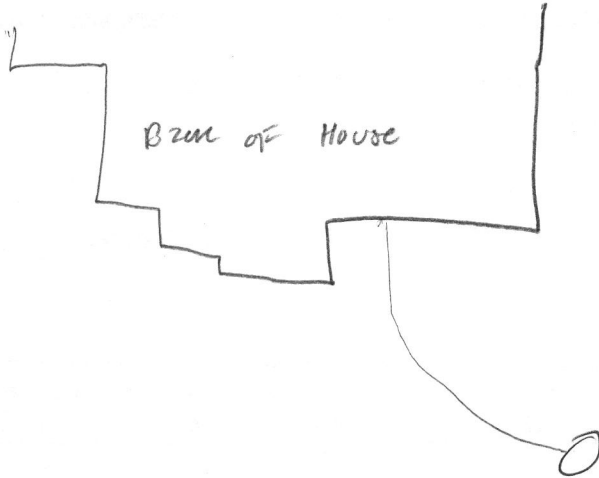
5/23/2025

SP

Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade
Two piece cap installed and attached to casing securely
Elec. conduit extends at least 18" below grade/attached to cap properly
Safety rope not outside of well cap/casing
Correct well tag attached properly and casing 8" above finished grade
Water supply line sleeved adequately at house connection
Adequate grout observed below pitless adapter

> 36"

 > 18"



(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) **FILL IN THIS FORM COMPLETELY PLEASE TYPE** COUNTY NUMBER **13** PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-25-0020**

ST/CO USE ONLY DATE RECEIVED **08/25** DATE WELL COMPLETED **1-25-25** Depth of Well **450** (TO NEAREST FOOT) APPROVED **8/19/2025** OWNER **Jesmondian, Jesudasi + Sheba** TOWN **Greenwood, MD**

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	
Topsoil	0	1	
Small Boulder	1	5	
Bin Soil	5	20	
Gray Rock	20	23	
Grey Rock	23	400	
M. Hard (100' 1-4)			
Gray Rock (loop #5)	400	450	

5 loops GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
TYPE OF GROUTING MATERIAL (Circle one) CEMENT **CM** BENTONITE CLAY **BC**
NO. OF BAGS **10** NO. OF POUNDS **1300**
GALLONS OF WATER **2250**
DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **450** ft.

CASING RECORD
casing types insert appropriate code below
ST STEEL **CO** CONCRETE
PL PLASTIC **OT** 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) diameter inch depth (feet) from to
EACH CASING

SCREEN RECORD
screen type or open hole insert appropriate code below
ST STEEL **BR** BRASS **HO** OPEN HOLE
PL PLASTIC **OT** OTHER

C 2 DEPTH (nearest ft.)
E 1 8 9 11 15 17 21
A 2 23 24 26 30 32 36
S 3 38 39 41 45 47 51
R
E
E
N
SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH) **56** **60**
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 **17** **20** ft. WHEN PUMPING **22** **25** ft.
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 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. **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 **-** below LAND SURFACE (nearest foot) **49** **50** **51**

LATITUDE **39.26800**
LONGITUDE **77.04784**
(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.

NUMBER OF UNSUCCESSFUL WELLS: **0**
WELL HYDROFRACTURED **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. **1 M D 5987**
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)

wells do not meet
set back

run 30' to
potable well

SOILS LEGEND			
SOIL	NAME	CLASS	K" VALUE
GgB	Glenelg Loam, 3% to 8% slopes	B	.24
GgC	Glenelg Loam, 8% to 15% slopes	B	.24
GnB	Glenville-Balle silt loams, 0% to 8% slopes	C	.43
MaD	Manor loam, 15% to 25% slopes	B	.28

MINIMUM LOT SIZE CHART			
LOT NO.	GROSS AREA	PIPESTEM AREA	REMAINING AREA
LOT 38	5,159 SQ.FT.	5,400 SQ.FT.	59,759 SQ.FT.

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
X362.2	SPOT ELEVATION
LD	EXISTING STORM DRAIN
LOD	LIMIT OF DISTURBANCE
DF	CLEAN WATER DIVERSION FENCE
SF	SILT FENCE
SSF	SUPER SILT FENCE
---	EXISTING TREE LINE
GML	SOIL LINES AND TYPES
LD	PROPOSED ROOF LEADER
---	DRAINAGE AREAS LIMITS
---	Denotes 15%-24.9% Slopes
---	Denotes 25% AND GREATER Slope
---	OVERFLOW PATH

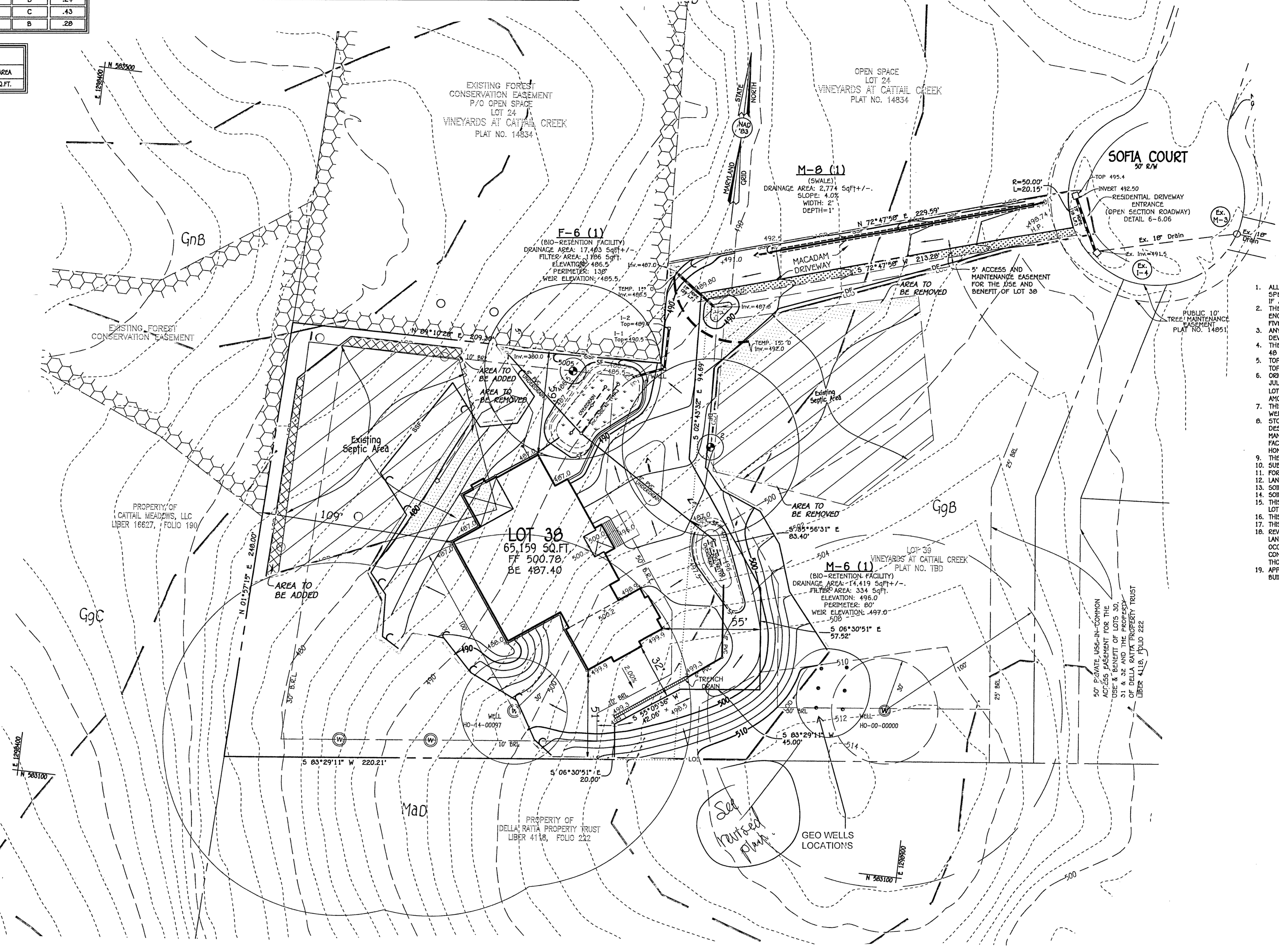
SITE ANALYSIS DATA CHART	
A.	TOTAL AREA OF PROPERTY = 65,158.66 SQ.FT. OR 1.496 AC.±
B.	LIMIT OF DISTURBED AREA (SITE) = 59,870 SQ.FT. OR 1.37 AC.±
C.	PRESENT ZONING DESIGNATION = RC-DEO
D.	PROPOSED USE: RESIDENTIAL
E.	PREVIOUS HOWARD COUNTY FILES: SP-96-11, F-00-068, F-00-067
F.	TOTAL AREA OF FLOODPLAIN LOCATED ON-SITE = 0.00 AC
G.	TOTAL AREA OF SLOPES IN EXCESS OF 15% = 0.74 AC
H.	TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0.00 AC
I.	TOTAL AREA OF STREAM (INCLUDING BUFFER) = 0.00 AC
J.	TOTAL AREA OF EXISTING FOREST = 0.00 AC
K.	TOTAL GREEN OPEN AREA = 0 AC±
L.	TOTAL IMPERVIOUS AREA = 0.36 AC±
M.	TOTAL PROPOSED IMPERVIOUS PAVING AREA = 0.206 AC±
N.	TOTAL PROPOSED IMPERVIOUS ROOF AREA = 0.169 AC±
O.	TOTAL AREA TO BE STABILIZED = 0 AC
P.	TOTAL AREA OF ERODIBLE SOILS = 0.74 AC
N.	TOTAL AREA OF ROAD DEDICATION = 0.00 AC

NARRATIVE
Introduction:
This report will demonstrate how the criteria set forth in the Maryland Stormwater Design Manual, Volumes I and II (effective October 2000, revised May 2009) will be satisfied on this project. The goal of creating hydrology similar to that of "flows in Good Condition" will be accomplished through the use of the practices contained within Chapter 5 of said manual. The achievement of this goal will remove the requirement of providing Channel Protection Volume.

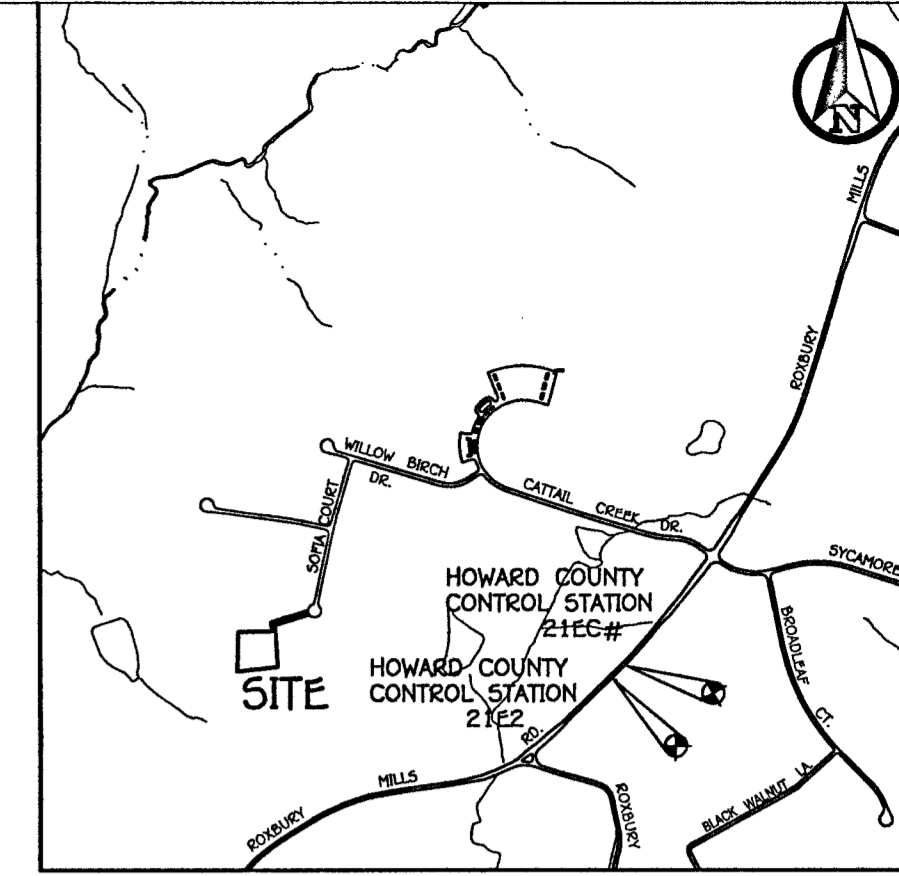
General Site Conditions:
The subject property, Lot 38 (formerly Lot 29), was previously part of the subdivision of Vineyards at Cattail Creek Lots 29 thru 35, which is zoned RC-DEO. It is located on Tax Map 21, Parcel No. 225 of the Howard County, Maryland Tax Map Database System and known as 3730 Sofia Court. The property was recorded as plat #14891 on June 23, 2001. No Environmental Resources exist on-site, however the site is bordered to the north and northeast by an existing forest conservation easement. No impervious cover exists on this lot. The property is located in the Brighton Dam watershed (02131106). There is no existing forest on the subject lot and forest conservation obligations have been addressed under F-00-68. On-lot stormwater management is being provided for proposed impervious areas. A single driveway is being providing access to the proposed house. The bulk of the proposed site is a 'B' soil type, MaD.

- Natural Resource Protection:**
No other Natural Resources exist on-site. However, an existing forest conservation area adjoins a portion of the proposed site.
- Maintenance of Natural Flow Patterns:**
It is the intent of the proposed design to discharge runoff similar to the characteristics and direction of this site prior to any of the proposed improvements. Although the intent of discharging in the direction of existing condition was met in the area of the proposed driveway, maintaining the same characteristics of flow could not be achieved in this area and a culvert was utilized. A letter of permission from owner of the downstream property has been obtained, granting permission for the existing sheet flow to be revised to concentrate flow as it enters their property.
- Reduction of Impervious Areas through better site design, alternative surfaces and Nonstructural Practices:**
An area of pervious has been added to the center of the proposed driveway to reduce the amount of proposed impervious and utilized for a bio-retention facility.
- Integration of Erosion and Sediment Controls into Stormwater Strategy:**
At final the design stage the proposed bio-retention facility may be used for sediment trapping.
- Implementation of ESD Planning Techniques and practices to the Maximum Extent Practicable (MEP):**
This project utilizes an F-6 bioretention facility, one M-6 micro-bioretention facility, and one M-8 grass swale to provide Environmental Site Design to the Maximum Extent Practicable. The required ESD volume of 1.6' has been met.
- Request for a Design Manual Waiver:**
No waivers are expected to be required on this project.

STORMWATER MANAGEMENT PRACTICES						
LOT	ADDRESS	DRYWELLS (M-2) Y/N, NUMBER	ROOFTOP DISCONNECTION (M-1) Y/N, NUMBER	NON-ROOFTOP DISCONNECTION (M-2) Y/N, NUMBER	RAINFALL HARVESTING (M-1) Y/N, NUMBER	MICRO BIO (M-6/M-8) Y/N, NUMBER
38	3730 E SOFIA COURT	N	N	N	N	Y, (2)



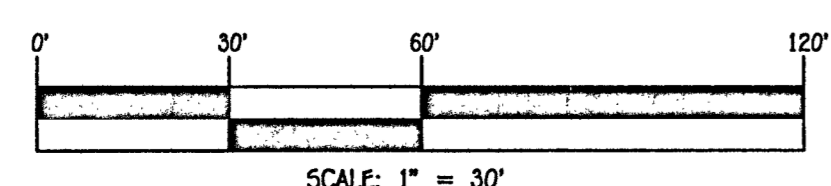
PLAN VIEW
SCALE: 1" = 30'



VICINITY MAP	
SCALE: 1" = 1200'	
GEODETIC CONTROL STATIONS	
#21E2 21E2 ELEV. 475.94 N. 583065.320 E. 1,300,868.474	#21E1C 21E1C ELEV. 474.79 N. 583,153.978 E. 1,300,951.529

- GENERAL NOTES:**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
 - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
 - ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
 - TOPOGRAPHY SHOWN IN THE AREA OF THE LOT BEING DISTURBED IS BASED ON A TOPOGRAPHIC SURVEY BY FISHER, COLLINS & CARTER, INC. IN APRIL, 2019.
 - ORIGINAL BOUNDARY OF LOT BASED ON FIELD RUN BY FISHER, COLLINS & CARTER, INC. IN JULY, 1999 IN CONJUNCTION WITH RECORDED PLAT ENTITLED "VINEYARDS OF CATTAIL CREEK LOTS 29 THRU 35 (RESUBDIVISION OF NON-BUILDABLE BULK PARCEL "D", RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN PLAT M.D.E. NO. 14891.
 - THIS PROPERTY IS NOT LOCATED WITHIN THE METROPOLITAN DISTRICT PRIVATE WELL AND SEPTIC WILL BE UTILIZED.
 - STORM WATER MANAGEMENT IS IN ACCORDANCE WITH THE M.D.E. STORM WATER DESIGN MANUAL, VOLUMES I & II, REVISED 2009. WE ARE PROVIDING STORM WATER MANAGEMENT BY THE USE OF ONE (1) (M-8) GRASS SWALE, ONE (1) (F-6) BIORETENTION FACILITY, AND ONE (1) (M-6) MICRO-BIORETENTION FACILITY TO BE MAINTAINED BY THE HOMEOWNER OF THE LOT ON WHICH THIS DEVICE IS LOCATED.
 - THERE ARE NO FLOODPLAIN, WETLANDS, STREAMS AND/OR ITS BUFFERS ON THIS SITE.
 - SUBJECT PROPERTY ZONED: RC-DEO
 - FOREST CONSERVATION REQUIREMENTS HAVE BEEN ADDRESSED UNDER F-00-068.
 - LANDSCAPING REQUIREMENTS HAVE BEEN ADDRESSED UNDER F-00-068.
 - SOILS SHOWN HEREON ARE BASED ON NCSS WEB SOIL SURVEY.
 - SOIL BORING INFORMATION TO BE PROVIDED AT NEXT PLAN STAGE.
 - THIS PROJECT IS SUBJECT TO A LETTER OF PERMISSION FROM THE OWNERS OF ADJOINING LOT 24.
 - THIS PROJECT IS SUBJECT TO A REVISED PERC CERTIFICATION PLAN.
 - THIS PROJECT IS SUBJECT TO A RE-SUBDIVISION PLAT.
 - REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE BUILDING AND GRADING STAGE. THEREFORE, THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED COMMENTS (INCLUDING THOSE THAT MAY ALTER OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES.
 - APPROVAL OF THIS ECP DOES NOT CONSTITUTE APPROVAL OF SUBSEQUENT GRADING OR BUILDING PERMIT PLANS.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
14100 4th - 2005



OWNER/DEVELOPER
SCOTT RABOIN
8017 DORSEY RUN ROAD
JESSUP, MARYLAND 20794-9372
(410) 978-1122



PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE: 07/14/23.

FRANK J. MANALANSAN DATE

ENVIRONMENTAL CONCEPT PLAN
VINEYARDS AT CATTAIL CREEK
LOT 38
(A RESUBDIVISION OF LOTS 29 and 30)
3730 SOFIA COURT, GLENWOOD
ZONED RC-DEO
TAX MAP No. 21 GRID No. 08 PARCEL No. 225
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JULY 8, 2021
SHEET 1 OF 2