

C 1 79868

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)

COUNTY NUMBER 13

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Strother, Susan + Dylan WELL SITE ADDRESS 3085 Woodbine Rd TOWN Woodbine, MD

WELL LOG

Not required for driven wells

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

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Bin Sand, Bin Shale, Blue Rock, Broken Rock, etc.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL (Cement, Bentonite Clay) NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD

MAIN CASING TYPE (PL) Nominal diameter (6 inch), Total depth of main casing (85 feet)

OTHER CASING (if used)

Table for other casing with columns for diameter and depth.

SCREEN RECORD

screen type or open hole (ST, BR, HO, PL, OT)

DEPTH (nearest ft.)

Table for depth measurements with columns for casing and screen depths.

DIAMETER OF SCREEN (NEAREST INCH) from 56 to 60

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (3), PUMPING RATE (8 gal. per min.), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (50 ft. before, 110 ft. when pumping), TYPE OF PUMP USED (centrifugal)

PUMP INSTALLED

DRILLER INSTALLED PUMP (YES/NO), TYPE OF PUMP INSTALLED (centrifugal), CAPACITY: GALLONS PER MINUTE (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (above/below), LAND SURFACE (1 foot)

LATITUDE 39.29990 LONGITUDE 77.11681 (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.

04-356845

EMERGENCY/TEMP NO. IF ANY

OK MD 10/29/2024

B 1 80933 SEQUENCE NO. (MDE USE ONLY) **STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL** STATE PERMIT NUMBER **H0-20-0306**

1 2 3 6 **774932** please type **70 fill in this form completely 79**

OWNER INFORMATION

Date Received (APA) **06/28/23**

8 MM DD YY 13 **Strother Sarah + Dykm** Owner First Name 34

15 Last Name **3085 Woodbine Road** Street or RFD 55

36 **Woodbine MD 21797** Town State 72 Zip 76

B 3 **LOCATION OF WELL**

Howard 8 COUNTY 21

Warfield Ridge 23 SUBDIVISION 42

SECTION **4** LOT **4**

44 46 48 50

Woodbine 52 NEAREST TOWN 71

DRILLER INFORMATION

Wesley Wolfe Driller's Name **MWD 598** License No. 81

Allied Well Drilling Firm Name

PO Box 129 Annapolis Junction MD 20701 Address

Wesley A Wolfe Signature **06/27/23** Date

B 4 **SOURCES OF DRILLING WATER**

1. **Public**

2.

3.

3085 Woodbine Rd 11 STREET ADDRESS 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH WEST EAST SOUTH

34 37 DISTANCE FROM ROAD

ENTER FT OR MI **38 39**

TAX MAP: **0013** BLK: _____ PARCEL **0223**

B 2 **WELL INFORMATION**

1 2 **APPROX. PUMPING RATE (GAL. PER MIN.)** **10**

8 **1,000** 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)

22 **INDUSTRIAL, COMMERCIAL, DEWATERING**

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

OPEN LOOP GEOTHERMAL

CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard County 13 COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S →

DATE ISSUED **9/27/2023 8:00 PM** 9/27/2023 41

43 MM DD YY 48 CO SIGNATURE _____ EXP. DATE

DON: 10/28/2023 006: 10/27/23 DOY:

APPROXIMATE DEPTH OF WELL **300** FEET 24 28

APPROXIMATE DIAMETER OF WELL **6** 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)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39 **THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS**

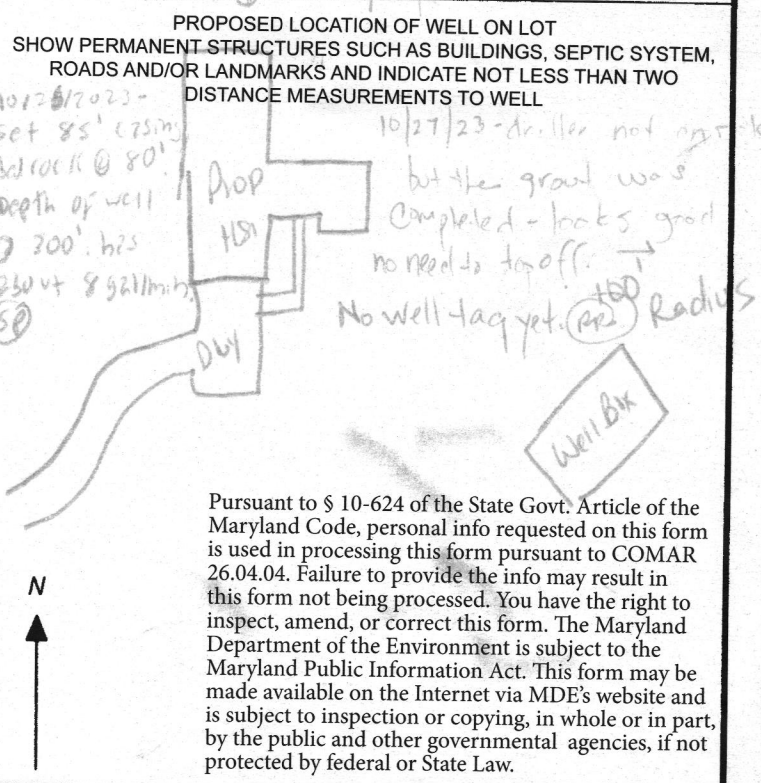
THIS WELL WILL DEEPEAN AN EXISTING WELL

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. **H0-20-0306** 70 71 72 73 74 75 76 77 78 79



SPECIAL CONDITIONS Please call for notification, grant, & yield. @

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED-

C1 76931

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Strother, Sarah A. Wilson

WELL SITE ADDRESS 3085 Woodbine Rd

SUBDIVISION SECTION TOWN Woodbine Md

WELL LOG

Not required for driven wells

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

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Brn Sand, Brn Shale, Blue Rock, Broken Rock, Blue Rock, Broken Rock, Blue Rock.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (B) CEMENT BENTONITE CLAY

CASING RECORD

MAIN CASING TYPE (P) Nominal diameter top (main) casing (nearest inch): 6 Total depth of main casing (nearest foot): 85

OTHER CASING (if used)

Table for other casing with columns for diameter and depth.

SCREEN RECORD

screen type or open hole (S) (B) (H) (P) (O) STEEL BRASS BRONZE PLASTIC OPEN HOLE OTHER

DEPTH (nearest ft.)

Table for depth measurements with columns for slot size and diameter of screen.

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 8.0 METHOD USED TO MEASURE PUMPING RATE Bucket

PUMP INSTALLED

DRILLER INSTALLED PUMP (YES) (NO) 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

LATITUDE 3 LONGITUDE 7 (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.

DRILLERS I.C. NO. 1 MW 0598 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 D

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 LOG INDICATOR OTHER DATA

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:

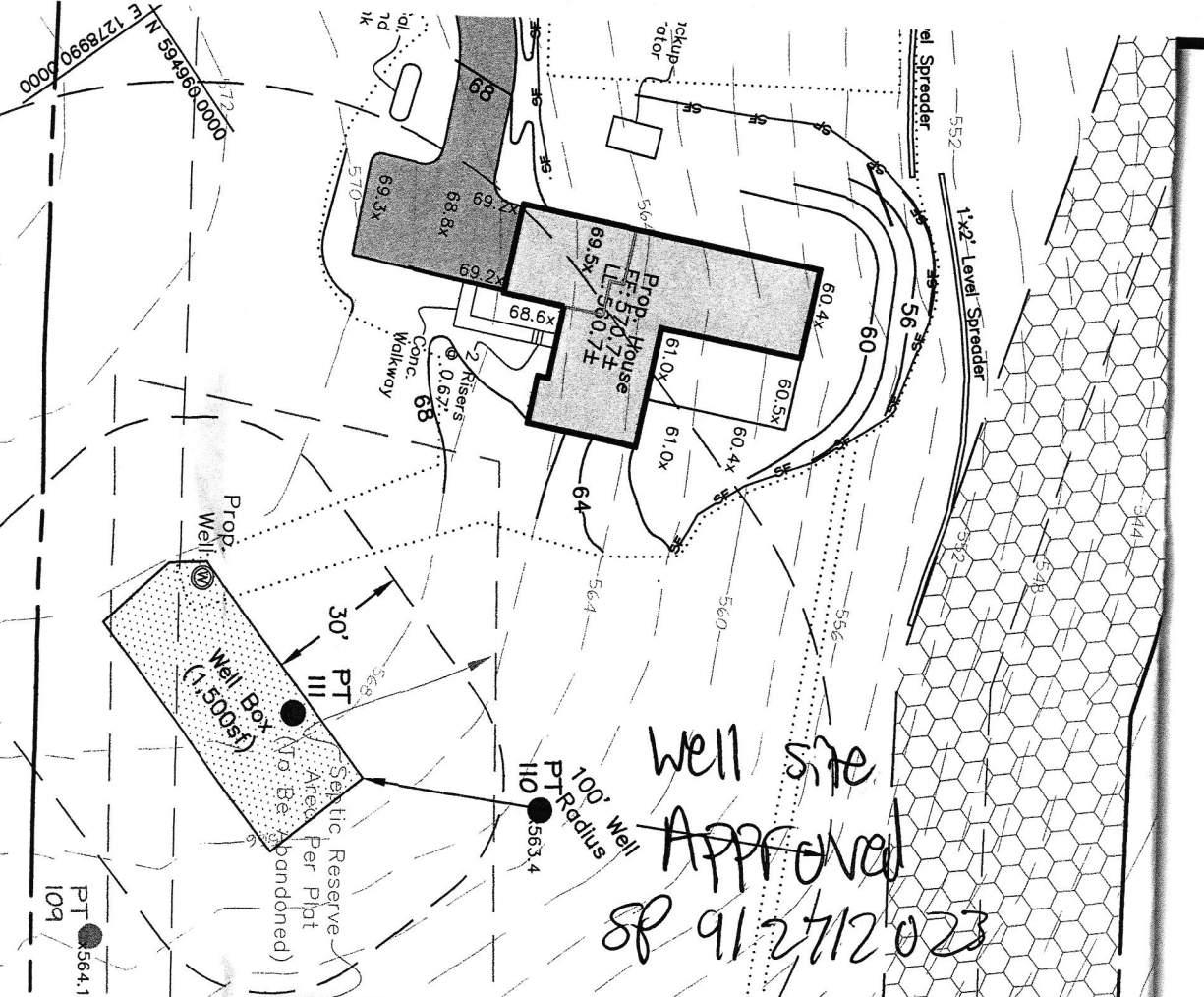
3085 Woodbine Road 4 Woodbine Road
Subdivision/Property Name Lot # Road Name

The well site has been staked by JNM Engineering
(professional land surveyor or company employing professional land surveyors)
on 8/21/23 (date)

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 9/20/21



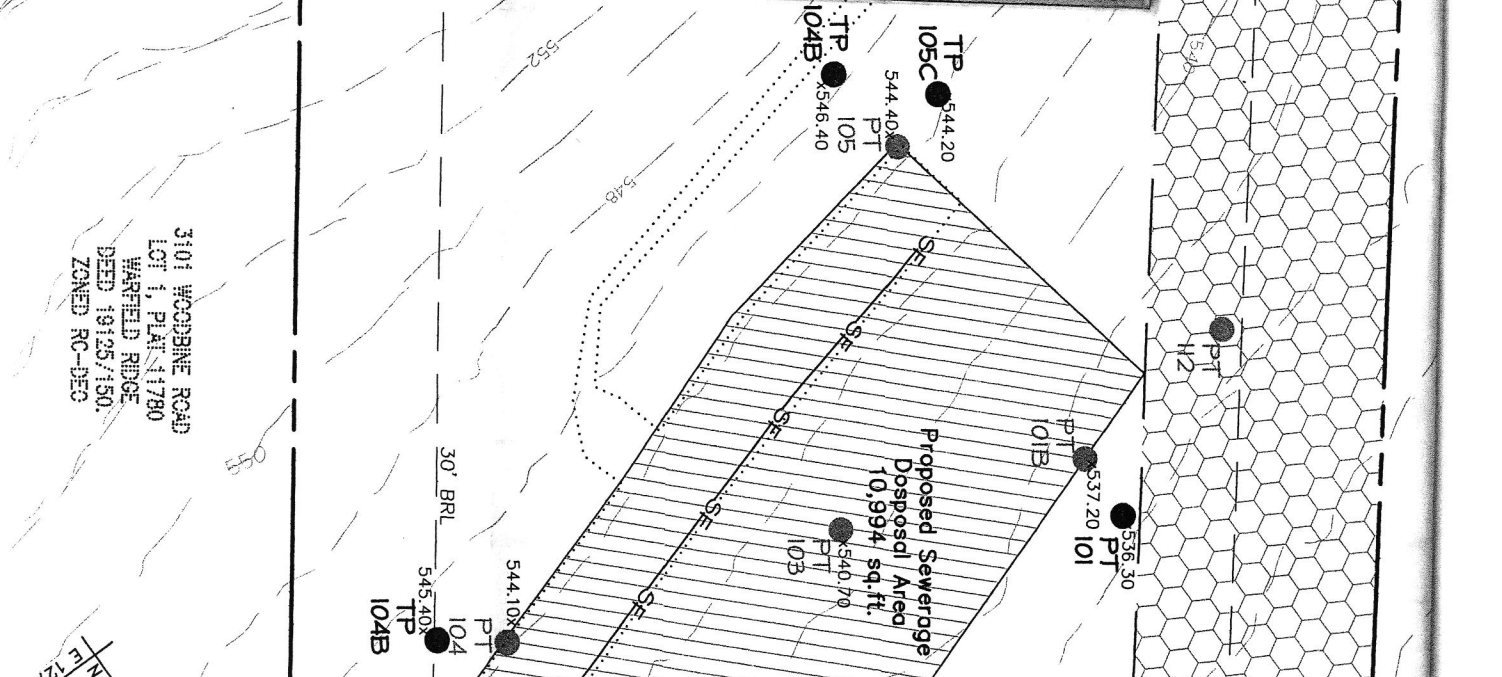
Well site
 Approved
 SP 9/27/2023

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

HO-20- 0306

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

3101 WOODBINE ROAD
 LOT 1, PLAT 11780
 WARFIELD RIDGE
 DEED 19125/150
 ZONED RC-DE3



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

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: No Limit Plumbing Telephone #: 2403507704
Address: 8108 Pats Place
Fort Washington MD 20744

Must circle one: Licensed Plumber / Licensed Well Driller / Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): Sean Deare License# 20020091325

***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: Strother Sarah Telephone #: 4106937367
Subdivision: Warfield Ridge Lot #: 4 Well Tag #: HO - 20 - 0306
Site Address: 3085 Woodbine Rd
Woodbine MD 21797

Submersible Pump Data

Make: Hallmark
Model #: MA0419X-12A
Pump Capacity 35 GPM
Well Yield: 26

Pitless Adapter

Make: Boshart +
Model#: PA-800NL
GPM Depth: 300' (36" min)
GPM NSF/WSC approved ANSI 372

Well Cap and Electric Conduit

Two piece watertight cap: Yes
Screened, vented well cap: Yes
Cap secured to casing: Yes
Conduit min 18" B.G.: 5'
Conduit secured to well cap: Yes

Depth of well encountered at time of pump installation: 100 (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Must circle one: Torque arrestors / Cable guards / Other acceptable method used

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing

Piping to house

Type: Black Poly
PSI: 160 (160 psi min)
Depth of supply line: 43" (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: Yes
Length of sleeve (5' minimum from foundation): 5'
Sleeve sealed properly: Yes

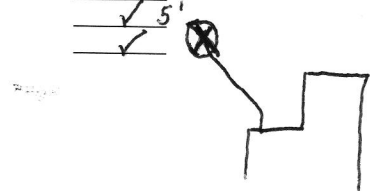
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Sean Deare 12/30/2024
Signature of company representative responsible for installation date

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

Date Insp. Requested: 12/9/2024 Date Insp. Approved: 12/9/2024 Inspector: MB
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 ✓ 5'
Adequate grout observed below pitless adapter ✓

(Revised form 10/24/2018)



FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #:	171463	Account #:	43233	
Reference:	BHI Construction	Client:	CASH ACCOUNT	
Location:	3085 Woodbine Road	Requested By:	Neville Townsend	
	Woodbine, MD 21797	Source:	Well Water	
Date/ Time Collected:	1/21/2025	1233	Site:	Pressure Tank
Date/Time Rec'd:	1/21/2025	1435	Treatment:	**
Chlorine ppm:	Free: ND	Total: ND	pH:	6.4
Collected By:	J. Yeager	0819JY	Well #:	HO-20-0306

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/22/2025 / 0945 / KDR
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/22/2025 / 0945 / KDR

NOTES:

- 1 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 pH & Chlorine level tested on site
- 3 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 4 ND:None Detected
- 5 Visual well check: Sealed, vented cap
- 6 **Sample collected prior to Sediment Filter/Descaler Filter/UV Light

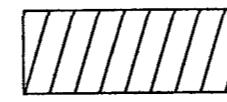
Reason for Test : Use & Occupancy
 Building Permit # : B23003689

Date Reported: 1/22/2025

SOILS DATA TABLE

SYMBOL	SOIL	HYDRIC	K-FACTOR	ERODIBLE	GROUP
GgC	Glenelg Loam, 8%-15% Slopes	NO	0.24	NO	B
McD	Manor Loam, 15%-25% Slopes	NO	0.37	YES	C
GgB	Glenville silt loam, 5%-8% Slopes	NO	0.24	NO	B
BrD	Brinklow Chap. Loam 15%-25% Slopes	NO	0.20	NO	C
Cc	Codorus & Harbor Sl., 0%-3% Slopes	YES	0.37	NO	C
GmB	Glenville Silt Loam, 3%-8% Slopes	YES	0.37	YES	C
OxK	Oxcomb Loam, 8%-15% Slopes	NO	0.37	YES	B

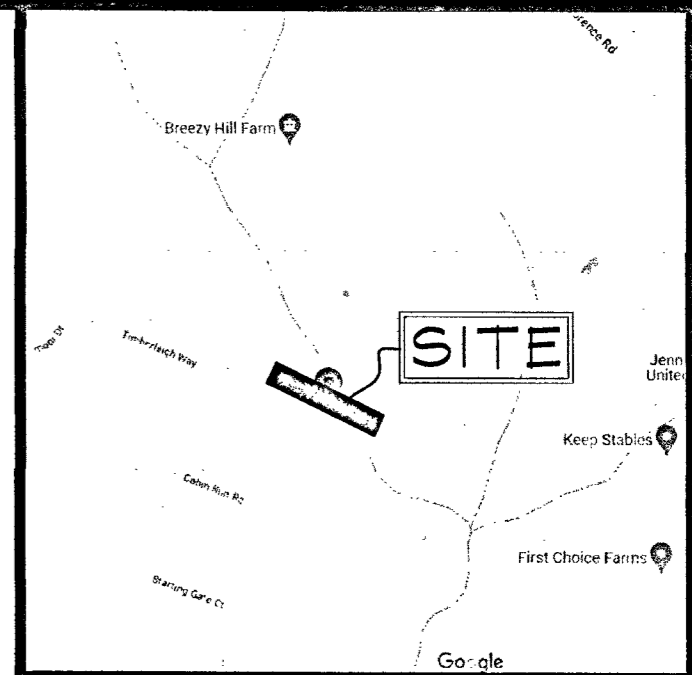
NOTE: SOILS INFORMATION TAKEN FROM USDA WEB SOIL SURVEY WEBSITE
 NOTE: HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15% OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR "K" GREATER THAN 0.35 WITH A SLOPE GREATER THAN 5 PERCENT.



THIS AREA DESIGNATES A PRIVATE SEWERAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IS THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE AREA. RECORDATION OF A MODIFIED SEWERAGE AREA SHALL NOT BE NECESSARY.

LEGEND

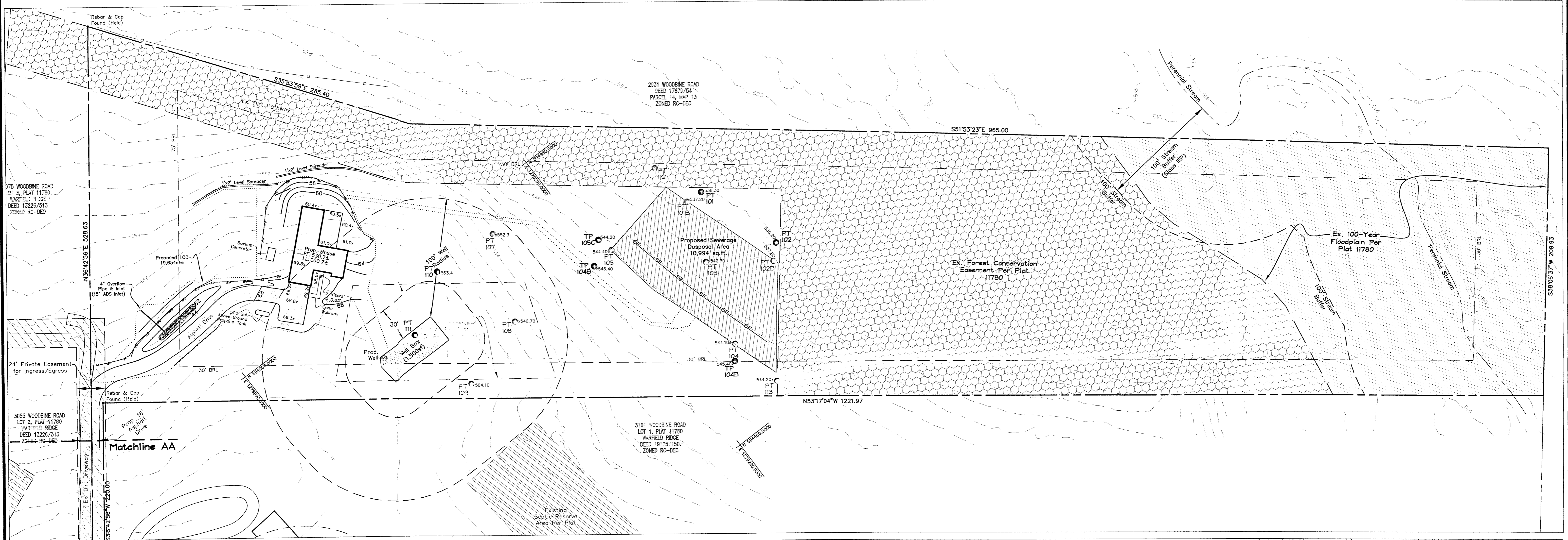
- EX. PROP. LINE
- - - EX. FENCE
- PROP. DRIVEWAY
- [Hatched Box] PROP. SEWERAGE DISPOSAL AREA
- SOIL BOUNDARY
- EX. 2' CONTOUR
- EX. 10' CONTOUR
- WELL (EX. OR PROP.)
- XX' BRL --- BUILDING RESTRICTION LINE
- Pass PASSED PERC TEST
- Failed FAILED PERC TEST



VICINITY MAP

ZONING DATA

ZONING: RC-DEO
 MIN. LOT AREA = 130,690 SQ FT (3 AC)
 MIN. LOT WIDTH AT R/W = 200 FT
 MIN. LOT WIDTH AT B.R.L. = 200 FT
 FRONT B.R.L. = 75 FT
 REAR B.R.L. = 30 FT
 SIDE B.R.L. = 60 FT



GENERAL NOTES

- THIS PROPERTY IS ZONED RR-DEO.
- THE PROPERTY BOUNDARY SHOWN IS BASED ON EXISTING PLATS OF RECORD AND A SURVEY CONDUCTED BY JNM ENGINEERING, LLC.
- DEED REFERENCE: LIBER 19125 FOLIO 150.
- THE EXISTING TOPOGRAPHY IS BASED ON A FIELD RUN SURVEY PREPARED BY JNM ENGINEERING, LLC. TOPOGRAPHY SHOWN OUTSIDE OF THE PROPOSED DEVELOPMENT AREA IS BASED ON HOWARD COUNTY GIS.
- ANY CHANGE TO A SEWER DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- ADJUSTMENTS TO THE SEWER DISPOSAL AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- SOIL TYPES SHOWN ON THIS PLAN ARE FROM THE USDA WEB SOIL SURVEY.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND SEWERAGE EASEMENTS AND COMPONENTS WITHIN 200- FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
- ALL BUILDING SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO ESTABLISH A SEWER DISPOSAL AREA AND WELL LOCATIONS FOR THIS EXISTING PROPERTY (LOT 4).
- APPROVAL OF THIS PERCOLATION CERTIFICATION PLAN DOES NOT GUARANTEE THAT THE SEWER DISPOSAL AREA ESTABLISHED WILL BE SUFFICIENT FOR A PROPOSED HOUSE. A SYSTEM DESIGN PLAN SHOWING 3 SYSTEMS FITTING IN THE AREA BASED ON THE PROPOSED NUMBER OF BEDROOMS MUST BE APPROVED BY THE HEALTH DEPARTMENT BEFORE HEALTH DEPARTMENT APPROVAL OF A BUILDING PERMIT. IF THREE SYSTEMS DO NOT FIT, THE AREA MAY NEED TO BE REVISED OR THE NUMBER OF ROOMS REDUCED.
- THE WELL FOR THIS LOT SHALL BE DRILLED PRIOR TO BUILDING PERMIT APPROVAL IT IS THE DEVELOPERS RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO BUILDING PERMIT APPROVALS. IT WILL NOT BE CONSIDERED GOVERNMENTAL DELAY IF THE WELL DRILLING HOLDS UP HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT.



Purpose Statement:
 The purpose of this plan is to establish a septic reserve area and well box for this property in accordance with current standards.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

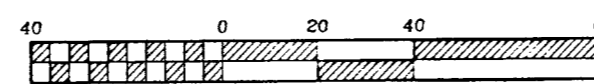
COUNTY HEALTH OFFICER _____ DATE _____

PERCOLATION CERTIFICATION:
 I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREIN IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JAMES W. WITMER
 PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21931
 DATE 6/11/23

OWNERS:

SARAH & DYLAN STROTHERS
 3085 WOODBINE ROAD
 WOODBINE, MARYLAND 21797
 410-693-7367



GRAPHIC SCALE
 1 INCH = 40 FEET

NOTE: EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THEY ARE BASED UPON AVAILABLE RECORDS AND ARE SHOWN TO THE BEST OF OUR ABILITY. ALL UTILITY LOCATIONS MUST BE FIELD VERIFIED.

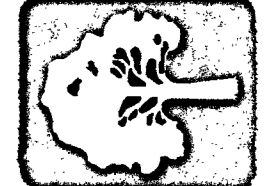
3085 WOODBINE ROAD
 WOODBINE, MD 21797
 PARCEL 223, MAP 13, 6.78 ACRES
 PLAT 11780, WARFIELD RIDGE
 WELL PERMIT SITE PLAN

PROJECT	22-1202	DATE	1/2023
ILLUSTRATION	JWW	ENGINEERING	JWW
SCALE	1" = 40'	APPROVAL	JWW

REVISION	BY	DATE

3085 WOODBINE ROAD
 WOODBINE, HOWARD COUNTY, MARYLAND
 WELL PERMIT SITE PLAN

JNM ENGINEERING, LLC
 CIVIL ENGINEERING, SURVEYING, LAND PLANNING,
 ENVIRONMENTAL, AGRICULTURE, LEED PROFESSIONALS
 105 LEAF HOLLOW CIRCLE, POINT AIRY, MD 21771
 (301) 514-2800, JNMENGINEERINGLLC.COM



Spencer is

working on

Project

PL.

Pending

WP. on hold

as of

6/29/2023

(R)