

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) FILL IN THIS FORM COMPLETELY PLEASE TYPE COUNTY NUMBER **13**

ST/CO USE ONLY DATE RECEIVED **03/17/25** DATE WELL COMPLETED **02/19/2025** Depth of Well **320** (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-22-0177**

OWNER **Larson Alice / theisen Leon** WELL SITE ADDRESS **2760 WYNFIELD RD** TOWN **West Friendship** SUBDIVISION **2002** 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	
Topsoil	0	1	
Brown silt	1	68	
grey gneiss	68	320	
* install 320' HDPE geo-loop			

**GROUTING RECORD** YES  NO

WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL (Circle one) **CM** **BC**

CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS **16** NO. OF POUNDS **800**

GALLONS OF WATER **304**

DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **320** ft.

**CASING RECORD**

casing types insert appropriate code below

**ST** **CO**  
STEEL CONCRETE

**PL** **OT**  
PLASTIC OTHER

MAIN CASING TYPE **PL** Nominal diameter top (main) casing (nearest inch) **6"** Total depth of main casing (nearest foot) **80'**

**OTHER CASING (if used)**

diameter inch \_\_\_\_\_ depth (feet) from \_\_\_\_\_ to \_\_\_\_\_

**SCREEN RECORD**

screen type or open hole insert appropriate code below

**ST** **BR** **HO**  
STEEL BRASS OPEN HOLE

**PL** **OT**  
PLASTIC OTHER

**C 2** DEPTH (nearest ft.)

**HO** **20** **300**

1	8	9	11	15	17	21
2	23	24	26	30	32	36
3	38	39	41	45	47	51

SLOT SIZE 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_

DIAMETER OF SCREEN \_\_\_\_\_ (NEAREST INCH) from \_\_\_\_\_ to \_\_\_\_\_

**C 3** **PUMPING TEST**

HOURS PUMPED (nearest hour) **N/A**

PUMPING RATE (gal. per min.) **N/A**

METHOD USED TO MEASURE PUMPING RATE **N/A**

WATER LEVEL (distance from land surface)

BEFORE PUMPING **N/A** ft.

WHEN PUMPING **N/A** ft.

TYPE OF PUMP USED (for test)

**A** air **P** piston **T** turbine

**C** centrifugal **R** rotary **OT** 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 **N/A**

PLACE (A,C,J,P,R,S,T,O) IN BOX 29 **29**

CAPACITY: GALLONS PER MINUTE (to nearest gallon) **N/A**

PUMP HORSE POWER **N/A**

PUMP COLUMN LENGTH (nearest ft.) **N/A**

CASING HEIGHT (circle appropriate box and enter casing height)

**+** above } LAND SURFACE **0** (nearest foot)

**-** below } **0** (nearest foot)

NUMBER OF UNSUCCESSFUL WELLS: **0**

WELL HYDROFRACTURED YES  NO

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. **MWD 1587**

DRILLERS SIGNATURE **Stephen DeHoe**

(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. **AWD083**

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

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 **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

LATITUDE **39.290791**

LONGITUDE **76.944030**

(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.

10/10/21  
MAR 17 2025  
Environmental Health



4  
up to 30

HoCo - 2004  
MAR 7 702825  
Environment Canada

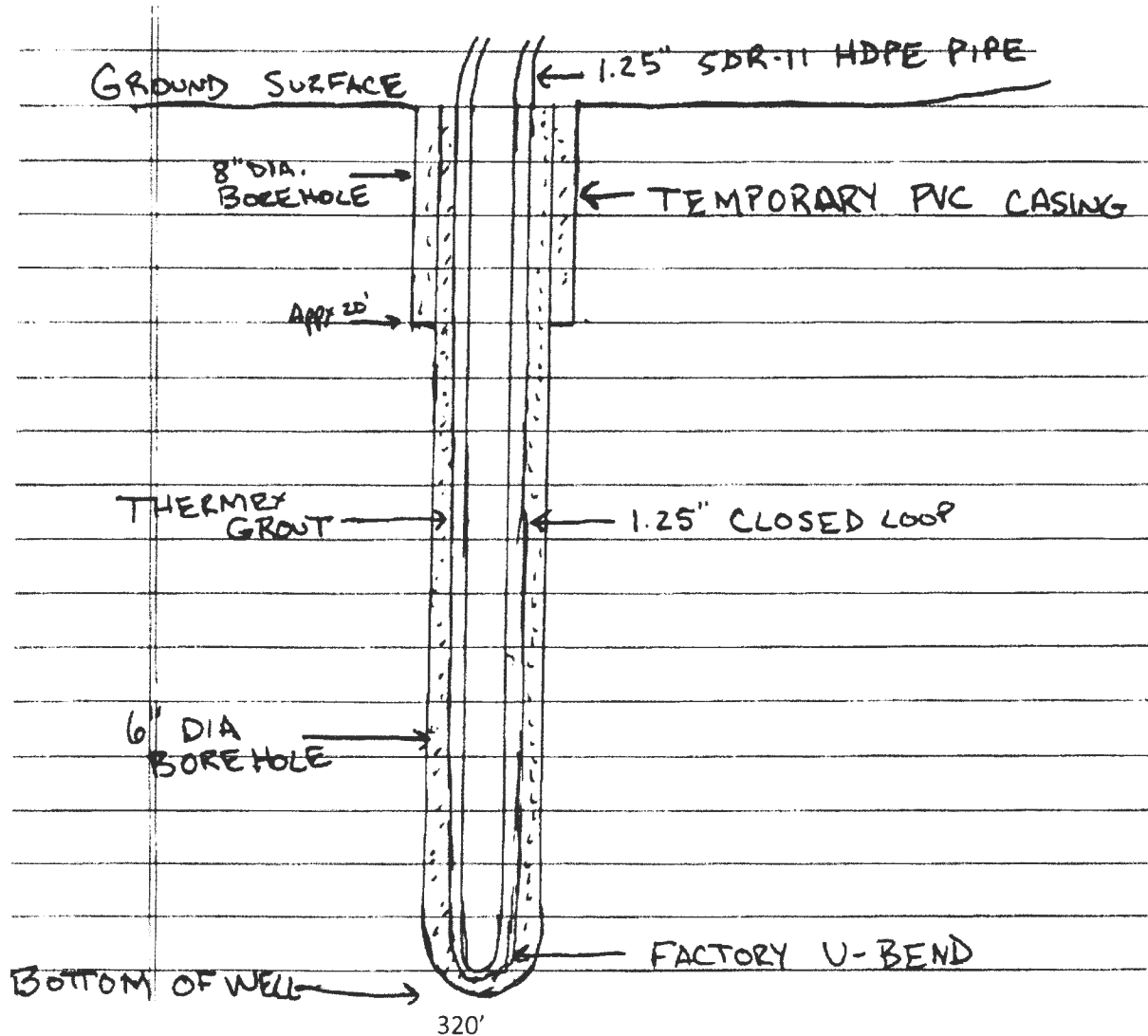


B 1	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 587931 please type	STATE PERMIT NUMBER HO-22-0177 fill in this form completely
Date Received (APA) 01/21/25 8 MM DD YY 13		B 3 LOCATION OF WELL	
OWNER INFORMATION 15 Last Name First Name Larson Alice / Treisen Leon 36 Street or RFD 2760 Wynfield Rd. 57 Town 70 State 72 Zip 76 West Friendship Md. 21794		8 COUNTY 21 2002 23 SUBDIVISION 42 SECTION 44 46 LOT 4 48 50 West Friendship 52 NEAREST TOWN 71	
DRILLER INFORMATION 76 Driller's Name License No. 81 Stephen Delosh MWD 587 Firm Name Connelly & Associates, Inc. Address 1513 Tilco Dr. Frederick, Md 21704 Signature Date Stephen Delosh 1-20-25		B 4 SOURCES OF DRILLING WATER 1. private 2. 3. 2760 Wynfield Rd. 11 STREET ADDRESS 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST 32 EAST SOUTH 34 95 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP 0015 BLK: PARCEL 0088	
B 2 WELL INFORMATION 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) N/A 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) N/A 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard County 13 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S → 41 DATE ISSUED 1/28/2025 1/28/2026 43 MM DD YY 48 CO SIGNATURE EXP. DATE DON: 2/14/25 DOG: 1/1/25	
USE FOR WATER (CIRCLE APPROPRIATE BOX) 3/17/25 22 <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 x 3 bores		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 31-ges well #3 - 120'	
APPROXIMATE DEPTH OF WELL 320 FEET 24 28			
APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH			
METHOD OF DRILLING (circle one) 30 BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) 37 CABLE REVerse-ROTary DRive-POINT other		REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) 39 <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 DEEPEM 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. HO-22-0177 70 71 72 73 74 75 76 77 78 79		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.	
SPECIAL CONDITIONS Please Notify office of Drilling & Grout NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.		© COUNTY Must grout from bottom to top	

# FILE INQUIRY NOTES

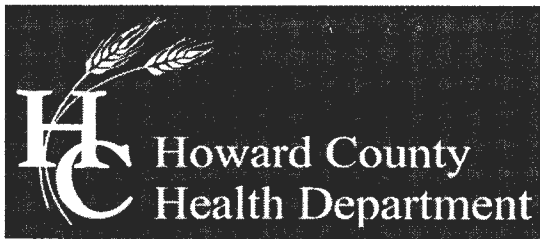
DATE	RESULTS OF REVIEW FOR FILE
11/27/25	Sent status update to Connelly & Associates. Plan looks
	like it will meet setbacks, but is missing
	septic tank location. Asked driver if they
	would like to revise their plan or give consent for
	county to revise plan w/ septic tank location. (SP)
11/28/25	- released well permit. (SP)

Larson Residence: 2760 Wynfield Rd. West Friendship, Md. 21794 Geothermal Closed Loop



Grout information for this property is as follows:

Well Grout DF grout mixture of 50 lb. grout to 19 gallons water, placed in the well using the tremie method, 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:

2765 Wynfield Rd.  
2002 / Lot # 5.56 Ac West Friendship S3      4      Wynfield Rd.  
Subdivision/Property Name      Lot #      Road Name

The well site has been staked by \_\_\_\_\_  
(professional land surveyor or company employing professional land surveyors)  
on \_\_\_\_\_ (date) and does not require a site inspection.

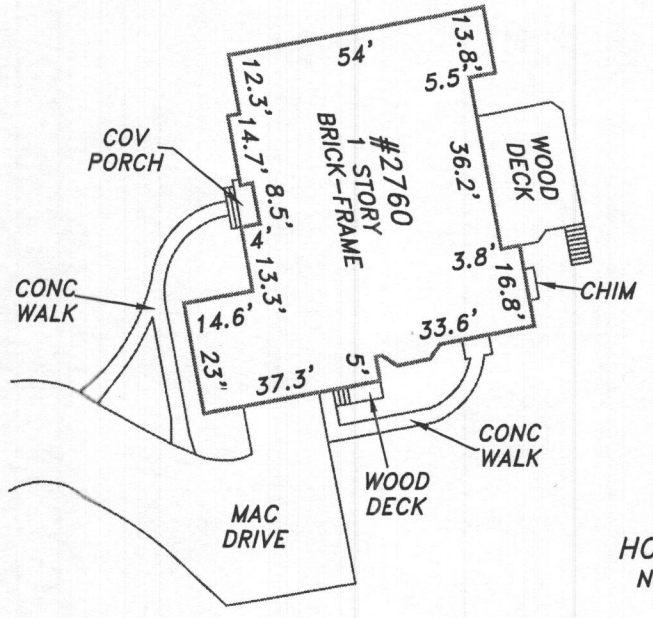
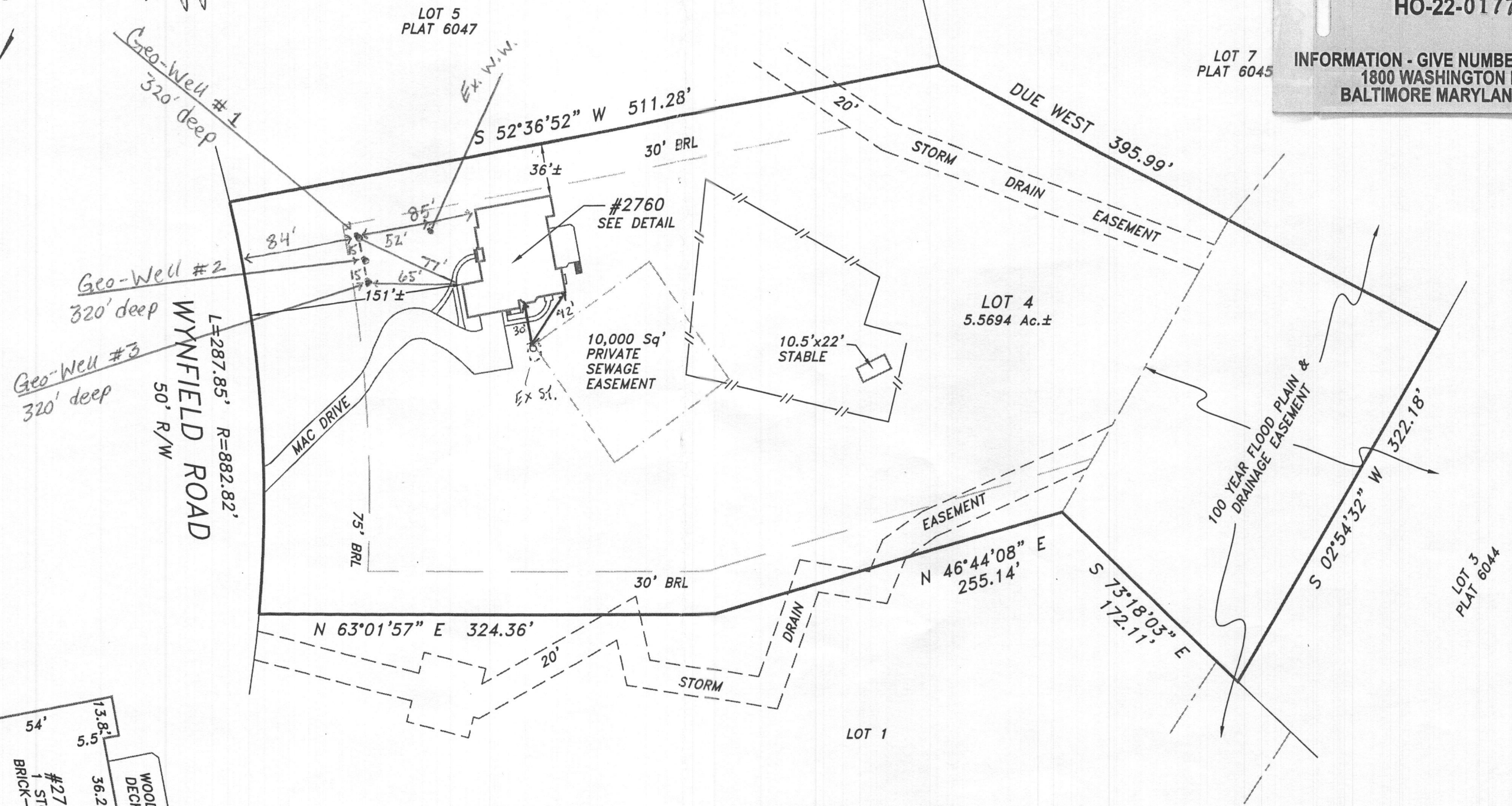
The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

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

Well site Approved 1/28/2025

SP

DO NOT REMOVE THIS TAG  
 DEPARTMENT OF THE ENVIRONMENT  
 WELL PERMIT NUMBER  
**HO-22-0177**  
 INFORMATION - GIVE NUMBER AND WRITE  
 1800 WASHINGTON BLVD  
 BALTIMORE MARYLAND 21230



HOUSE DETAIL  
 NOT TO SCALE

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 as shown on the plat entitled  
 FINAL PLAT "WYNFIELD" SECTION THREE, LOTS 1 THRU 26, SHEET 1 OF 5  
 recorded among the Land Records of Howard County, Maryland in  
 Plat Number 6043

PREPARED FOR:

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.

**LOCATION DRAWING**  
 2760 WYNFIELD ROAD  
 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" = 80'
Date: 6/13/2024
Field By: RMS KSW
Drawn By: SCK
File No.: MDB2607-OR
Page No.: 1 of 2