

**RECEIPT**

Howard County, MD  
HOWARD COUNTY HEALTH DEPARTMENT  
ASCEND ONE BUILDING  
Columbia, MD 21045  
8930 STANFORD BLVD

**Application:** WS-PT-25-00323  
**Application Type:** EnvHealth/Well and Septic/Percolation Test/Application  
**Address:** 683 WATERSVILLE RD, Mount Airy, 21771

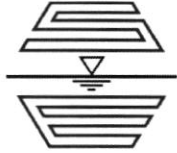
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Receipt No.	Ref Number	Amount Paid	Payment Date	Cashier ID	Received	Comments
11673	344	\$597.00	02/13/2025	SMARTIN		

**Owner Info.:**  
SABIN BARBARA A  
683 WATERSVILLE RD  
MOUNT AIRY, MD 21771

**Work Description:**

**Letter of Transmittal**



**SILL ENGINEERING GROUP, LLC**

16005 Frederick Road, 2<sup>nd</sup> Floor  
 Woodbine, MD 21797  
 Website: [www.sillengineering.com](http://www.sillengineering.com)

Office: 443-325-5076  
 Fax: 410-696-2022  
 Email: [info@sillengineering.com](mailto:info@sillengineering.com)  
*Civil Engineering and Surveying for Land Development*

To: Mr. Zackary Silvast  
 Howard County Health Department  
 Bureau of Environmental Health  
 8930 Stanford Boulevard  
 Columbia, MD 21045

Date:	February 13, 2025
Attention:	
Re:	Krausz Property 683 East Watersville Road Percolation Application
Project #:	24-088

**We are sending you**

<input checked="" type="checkbox"/> Attached	Under Separate Cover Via Mail the following:	
Letter	Originals	Other:
<input checked="" type="checkbox"/> Plans	Computations	

Quantity	Description	Quantity	Description
3	Percolation Application Plans		
3	Percolation Applications		
1	Check for fee #344 to \$597.00		

**These are transmitted as checked below**

<input checked="" type="checkbox"/> For Approval	As Requested	Please Return After Using
<input checked="" type="checkbox"/> For Review	For Your Use	As Approved

Comments:

Copy To:

Signed:

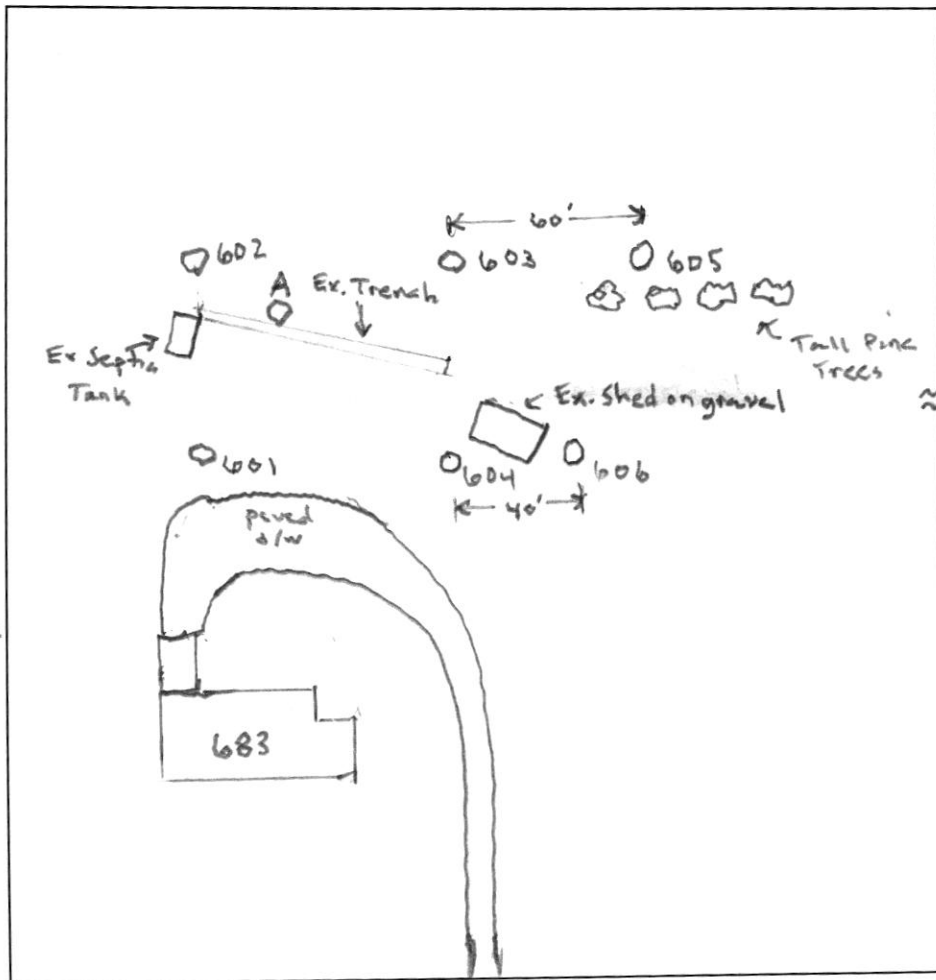
Received by:

Date Received:

603  
 0.6' Br l  
 Yellowish Br cl  
 few roots sbk  
 ~4' ycl br sl  
 tight/hard  
 5-10% shale  
 ~7' pale red  
 ycl sl pl  
 20-25% shale  
 12'

602  
 1.6' fill dirt  
 red br  
 cl sbk  
 15% rock  
 Br Red  
 cl tight  
 hard  
 20-25% shale  
 ~8' red ycl br  
 sl sbk  
 20-25% shale  
 12'

601  
 Br L  
 Red Br  
 cl sbk  
 tight  
 4' yellowish  
 br sl  
 few stones  
 7-8' ycl red  
 sl pl  
 5-10% shale  
 12'



Watersville Road

604  
 Br l  
 Red Br  
 cl sbk  
 tight  
 5-10% shale  
 4' Br ycl  
 sl pl  
 tight  
 ~10' sl  
 20-25% shale  
 12'

605  
 Br l  
 ycl red  
 br sl cl  
 few roots  
 tight  
 4' ycl br  
 sl tight  
 6' sl  
 tight  
 10-15% shale  
 12'

606  
 Br l  
 red ycl  
 sl cl sbk  
 4'6" yellowish  
 br sl  
 tight  
 10' Br ycl  
 sl pl  
 10-15% shale  
 12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4/15/25	603	5'6"/12'	8:52	9:02	9:46	44	F
4/15/25	603	6'10"/12'	10:09	10:15	10:25	10	P
4/15/25	601	5'6"/12'	9:39	9:42	9:47	5	P
4/15/25	604	5'4"/12'	10:03	10:13	10:48	35	F
4/15/25	602	8'/12'	10:19	10:30	11:01	31	F
4/15/25	605	4'6"/12'	11:03	11:08	11:15	7	P
4/15/25	604	7'/12'	11:14	11:23	11:53	30	P
4/15/25	606	5'/12'	11:37	11:42	11:52	10	P

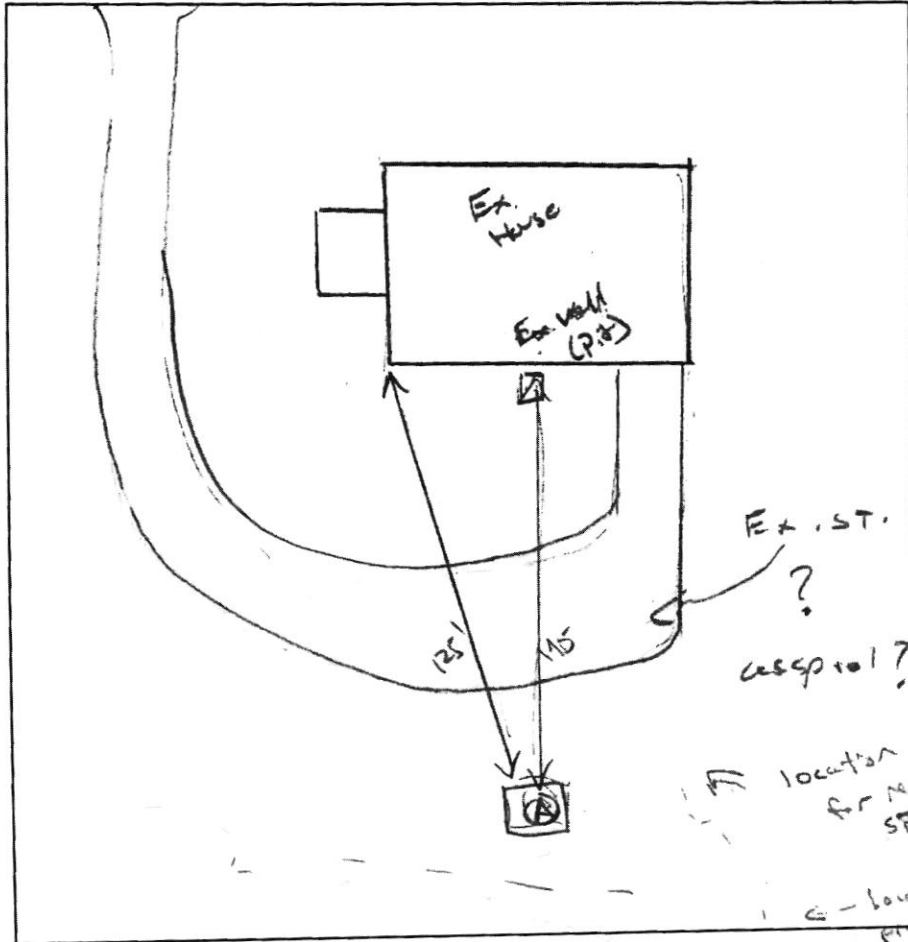
REMARKS 602 - tested 8' below fill dirt Added test holes 605 & 606.

SANITARIAN Hank Oswald BACKHOE Fogles OTHERS Owens

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

AP



Ex. ST.  
cesspool?

location for new SP.

location for cesspool

(A)  
Br L, OM  
Wk. soil, friable  
roots

7"  
Br Rd, CL  
M Co SOK,  
Friable,  
15% Per.  
15% sep.

4"  
Drk Br Rd, CL  
M Co pl.  
CS,  
25-35% size  
slide

6"  
Br Rd, Y SL  
M Co pl. CS  
25-35% size  
15% sep.

6"  
1" Br Y SL  
Wk Co pl.  
Friable  
10% or n. micaceous  
10% sep.

14"

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/20/24	(A)	10' / 14"	00:31	00:33	00:36	3	P
		HO found @ 14'				7-10:10	P
		4' 10"	00:36	00:46	01:59	12	P

REMARKS Owner wanted to just put in a new system w/ tank.

SANITARIAN K. Wolf BACKHOE Bruce Bopst OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR 0.8

TRENCH WIDTH 3' INLET DEPTH 4' MAX. BOT DEPTH 10' EFFECTIVE SW 6

$$3BR = \frac{450}{0.8} = 562 \div 3 = 187.5 (0.42) = \underline{78} \text{ LF}$$



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

*150886*

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

**APPLICATION**

**FOR PERCOLATION TESTING AND SITE EVALUATION**

**PROPERTY LOCATION**

SUBDIVISION/PROPERTY NAME 1001  
 PROPERTY ADDRESS 683 E Waterville Rd Mt. Airy 21771  
STREET TOWN ZIP  
 TAX ACCOUNT # \_\_\_\_\_ TAX MAP 0002 GRID 0022 PARCEL 0078 LOT NO. \_\_\_\_\_ PROPOSED LOT SIZE (ACRES) \_\_\_\_\_  
 ZONING CATEGORY \_\_\_\_\_ TIER \_\_\_\_\_

PROPERTY OWNER(S) Barbara Sabin / Anyc Palmiano  
 DAYTIME PHONE \_\_\_\_\_ CELL 301.928.5900 EMAIL \_\_\_\_\_  
 MAILING ADDRESS 683 E Waterville Rd Mt. Airy 21771  
STREET CITY, STATE ZIP

APPLICANT Freedom Septic RELATIONSHIP TO OWNER: repair  
 DAYTIME PHONE 410.735.2974 CELL \_\_\_\_\_ EMAIL Christy@freedomseptic.com  
 MAILING ADDRESS 2809 Liberty Rd Sylkville, MD 21784  
STREET CITY, STATE ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: \_\_\_\_\_ SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING)  MAJOR  MINOR
- CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
- REPAIR OR REPLACE FAILING OSDS
- UPGRADE EXISTING OSDS

BUILDING:

- RESIDENTIAL WITH 4 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
- COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
- NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
- THE APPLICATION FEE IS NON-REFUNDABLE
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

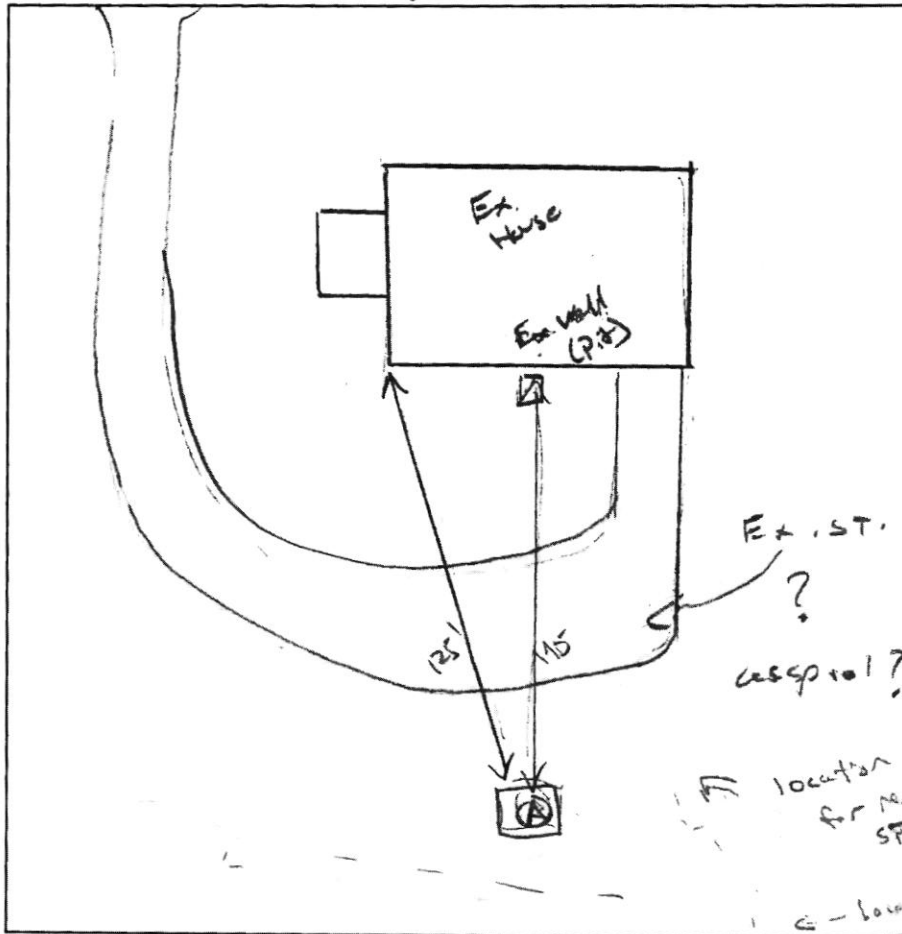
*Christy Palmiano*

SIGNATURE OF APPLICANT

4/15/21

DATE

AVP \_\_\_\_\_



(A)  
 7' Br L, OM  
 wk co. set, friable  
 100% ss  
 4' Br Rd, CL  
 m co sok,  
 Friable,  
 15% Fr.  
 15% sep.  
 4' Drk Br Rd CL  
 m co pl.  
 ss,  
 25-35% atz  
 shale  
 8' Br Rd (Y S)  
 m co pl. 100  
 25-35% shale  
 15% sep.  
 10' 11 Br Y S  
 wk co pl.  
 Friable  
 100% a. m. calc  
 10% sep.  
 14'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/20/24	(A)	10' / 14"	00:31	00:33	00:56	3	P
		HO found @ 11'				7-10.10'	P
		4' 10"	00:36	00:46	01:58	12	P

REMARKS Owner wanted digger put in a new system w/ tank.

SANITARIAN K. Wolf BACKHOE Bruce Bopst OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR 0.8

TRENCH WIDTH 3' INLET DEPTH 4' MAX. BOT DEPTH 10' EFFECTIVE SW 6

$$3BR = \frac{450}{0.8} = 562 \div 3 = 187.5 (0.42) = \underline{78 LF}$$



HOWARD COUNTY HEALTH DEPARTMENT

68866

Received From

Freedom Septic

DATE 4/17/12

PHONE #

410 285-2949

For

Peric Repair  
1873 E Watersville Rd.

CASH

CHECK

NO 4953

One hundred sixty five

Dollars

Received By

\$ 165.00

MARYLAND STATE GRID  
NAD 83/07

N 614.165

E 1,284.820

N 614.165

E 1,285.507

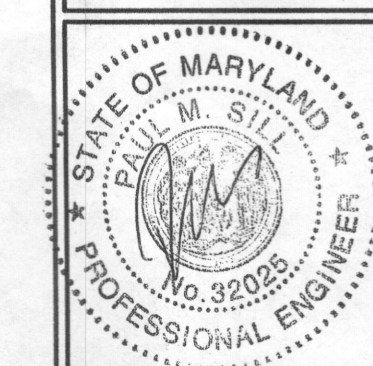
N 613.821

E 1,285.507

**PLAN VIEW**  
SCALE: 1"=30'

**OWNER/DEVELOPER**

LOUIS KRAUSZ  
883 WATERSVILLE ROAD  
MOUNT AIRY, MARYLAND 21771



**SILL ENGINEERING GROUP, LLC**

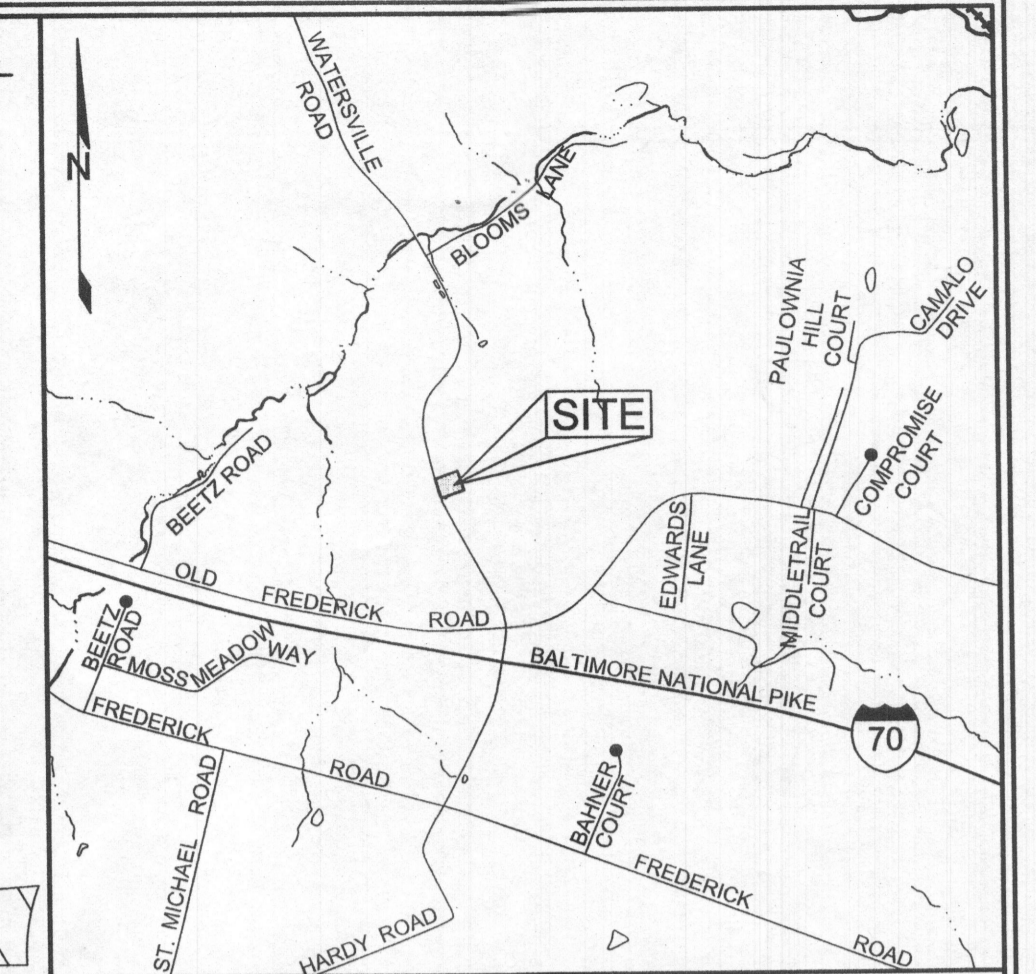
16005 Frederick Road, 2nd Floor  
Woodbine, Maryland 21797  
Phone: 443.325.5076  
Fax: 410.696.2022  
Email: info@sillengineering.com  
Civil Engineering & Surveying for Land Development

DESIGN BY: PS  
DRAWN BY: ZS  
CHECKED BY: PS  
SCALE: AS SHOWN  
DATE: MARCH 28, 2025  
PROJECT #: 24-088  
SHEET #: 1 of 1

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. 32025, EXPIRATION DATE JUNE 20, 2025

**LEGEND**

- EXISTING CONTOUR (GIS) ——— 382
- EXISTING CONTOUR (FIELD RUN) - - - - 382
- EXISTING TREELINE ———
- LIGHT POLES ———
- EXISTING CONCRETE ———
- EXISTING PARKING COUNT ———
- EXISTING FIRE HYDRANT ———
- EXISTING WELL ———
- EXISTING ROAD CENTERLINE ———
- PROPOSED WELL (W) ———
- PROPOSED FUTURE WELL (F) ———
- PROPOSED PERCOLATION TEST BORING ———
- PROPOSED GEO-THERMAL WELL AREA ———
- EXISTING TREE ———
- TO BE ABANDONED ———
- APPROXIMATE TEST HOLE 'A' IN 2021 ———



HOWARD COUNTY, MARYLAND ADC MAP 4691, GRID E4  
**VICINITY MAP**  
SCALE: 1"=2000'

**GENERAL NOTES**

1. SUBJECT PROPERTY ZONED RC-DEO
2. PROPERTY ADDRESS: 883 WATERSVILLE ROAD, MOUNT AIRY MARYLAND, 21771
3. TOTAL AREA OF PROPERTY = 1.17 AC ±
4. DEED REFERENCE: LIBER: 21805 FOLIO: 99
5. THE TOPOGRAPHY SHOWN WITHIN THE AREA OF DEVELOPMENT IS BASED OFF A TOPOGRAPHIC SURVEY BY PRECISION SURVEY & MAPPING, LLC. TOPOGRAPHY SHOWN OUTSIDE THE AREA OF DEVELOPMENT IS BASED ON HOWARD COUNTY GIS INFORMATION.
6. THE BOUNDARY SHOWN HERE ON A BOUNDARY SURVEY PERFORMED BY SILL ENGINEERING GROUP, LLC. THE TOPOGRAPHY SHOWN WITHIN THE AREA OF DEVELOPMENT IS BASED OFF A TOPOGRAPHIC SURVEY BY PRECISION SURVEY & MAPPING, LLC.
7. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO HISTORIC STRUCTURES OR CEMETERIES WITHIN THE PROJECT BOUNDARY.
8. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
9. THIS AREA DESIGNATES A PRIVATE SEWAGE AREA, AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN 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 SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
10. ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA HAVE BEEN LOCATED BY THE USE OF HEALTH DEPARTMENT RECORDS AND FIELD SHOT INFORMATION. THE PURPOSE OF THIS PLAN IS TO ESTABLISH A SEWAGE DISPOSAL AREA FOR PARCEL 79. ABANDON THE EXISTING WELL ON SITE, AND PROVIDE A NEW PROPOSED WELL LOCATION ALONG WITH TWO FUTURE WELL REPLACEMENT LOCATIONS TO ACCOMMODATE A PROPOSED ADDITION THAT INCREASES LIVING SPACE BY MORE THAN 200SF AND THAT DOES NOT INCREASE TOTAL BEDROOM COUNT.







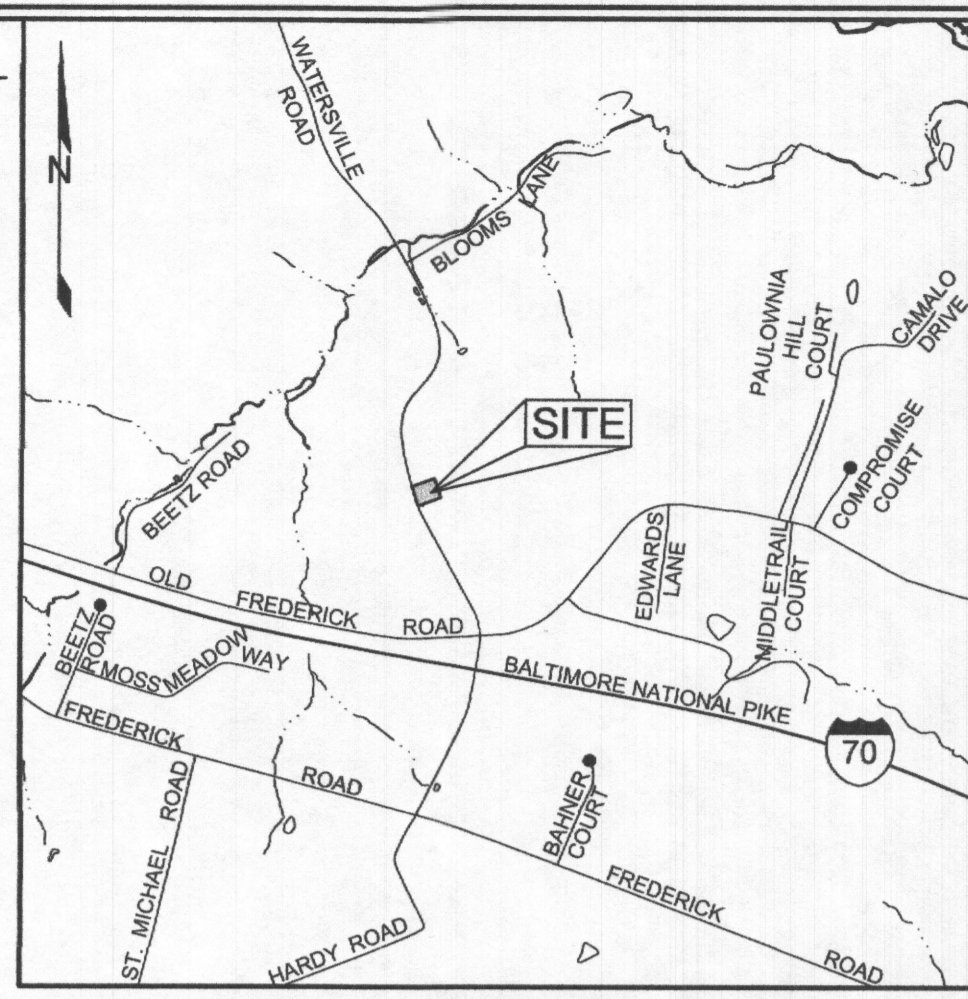
N 614.165  
E 1,284.820

N 614.165  
E 1,286.507

N 613.821  
E 1,286.507

### LEGEND

- EXISTING CONTOUR (GIS)
- EXISTING CONTOUR (FIELD RUN)
- EXISTING TREELINE
- LIGHT POLES
- EXISTING CONCRETE
- EXISTING PARKING COURT
- EXISTING FIRE HYDRANT
- EXISTING ABANDONED WELL
- EXISTING WELL
- PROPOSED FUTURE WELL
- PERCOLATION TEST BORING: FAILED
- PERCOLATION TEST BORING: PASSED
- APPROXIMATE TEST HOLE 'A' IN 2021
- PROPERTY BOUNDARY
- FUTURE RIGHT OF WAY
- PROPOSED SEWAGE DISPOSAL AREA SEE GENERAL NOTE #9
- EXISTING GEO-THERMAL WELL LOCATION
- EXISTING TREE
- EXISTING ACCESS & UTILITY EASEMENT



VICINITY MAP  
SCALE: 1"=200'

### ACCESS & UTILITY EASEMENT LINE TABLE

LINE NUMBER	BEARING & DISTANCE
L1	S 71°15'22" W 81.24'
L2	N 19°40'52" W 116.69'
L3	N 0°44'34" E 30.31'
L4	N 71°15'22" E 71.59'
L5	S 18°44'38" E 208.73'

### GENERAL NOTES

- SUBJECT PROPERTY ZONED RC-OEO
- PROPERTY ADDRESS: 683 WATERSVILLE ROAD, MOUNT AIRY MARYLAND, 21771
- TOTAL AREA OF PROPERTY = 1.17 AC ±
- DEED REFERENCE: LIBER: FOLIO:
- THE BOUNDARY SHOWN HERE ON A BOUNDARY SURVEY PERFORMED BY SILL ENGINEERING GROUP, LLC. THE TOPOGRAPHY SHOWN WITHIN THE AREA OF DEVELOPMENT IS BASED OFF A TOPOGRAPHIC SURVEY BY PRECISION SURVEY & MAPPING, LLC. TOPOGRAPHY SHOWN OUTSIDE THE AREA OF DEVELOPMENT IS BASED ON HOWARD COUNTY GIS INFORMATION.
- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO HISTORIC STRUCTURES OR CEMETERIES WITHIN THE PROJECT BOUNDARY.
- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH OF 1972, IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN 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 SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA HAVE BEEN LOCATED BY THE USE OF HEALTH DEPARTMENT RECORDS AND FIELD SHOT INFORMATION.
- NEW WELL MUST BE DRILLED AND APPROVED AND THE OLD WELL ABANDONED PRIOR TO BUILDING PERMIT APPROVAL.
- EXISTING ACCESS & UTILITY EASEMENT RECORDED AS LIBER: 22918 FOLIO: 100 IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, IS FOR THE USE AND BENEFIT OF PARCEL 79 FOR THE PURPOSE OF SEWAGE DISPOSAL.

### PERCOLATION HOLE ELEVATIONS

PERC HOLE	ELEVATION
601	727.89
602	724.63
603	724.04
604	727.99
605	724.56
606	727.75

THE PURPOSE OF THIS PLAN IS TO ESTABLISH A SEWAGE DISPOSAL AREA FOR PARCEL 79, ABANDON THE EXISTING WELL ON SITE, AND PROVIDE A NEW PROPOSED WELL LOCATION ALONG WITH TWO FUTURE WELL REPLACEMENT LOCATIONS TO ACCOMMODATE A PROPOSED ADDITION.

### PERCOLATION CERTIFICATION PLAN

#### KRAUSZ PROPERTY

683 EAST WATERSVILLE ROAD

TAX MAP 2 GRID 22  
5TH ELECTION DISTRICT

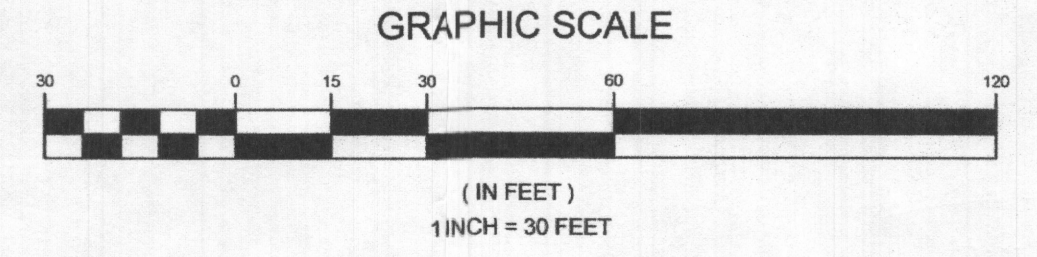
PARCEL 79  
HOWARD COUNTY, MARYLAND



**SILL ENGINEERING GROUP, LLC**  
16005 Frederick Road, 2nd Floor  
Woodbine, Maryland 21797  
Phone: 443.325.5076  
Fax: 410.696.2022  
Email: info@sillengineering.com  
Civil Engineering & Surveying for Land Development

DESIGN BY: PS  
 DRAWN BY: ZS  
 CHECKED BY: PS  
 SCALE: AS SHOWN  
 DATE: SEPTEMBER 18, 2025  
 PROJECT #: 24-088  
 SHEET #: 1 of 1

OWNER/DEVELOPER  
LOUIEKRAUSZ  
683 WATERSVILLE ROAD  
MOUNT AIRY MARYLAND 21771



PLAN VIEW  
SCALE: 1"=30'

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

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

COUNTY HEALTH OFFICER  
 HOWARD COUNTY HEALTH DEPARTMENT  
 DATE: 9/16/25

PAUL M. SILL, PE, LEED AP  
 LICENSED PROFESSIONAL ENGINEER #32025  
 DATE: 9/16/25

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. 33205, EXPIRATION DATE: JUNE 29, 2027.