

## Bernard, Dana

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**From:** Bernard, Dana  
**Sent:** Tuesday, November 29, 2022 4:25 PM  
**To:** John Carney  
**Subject:** 13931 Hallowell Court

Good Afternoon John,

I have reviewed your percolation testing plan. And I have the following days available December 7<sup>th</sup> and 9<sup>th</sup>. Let me know which day works for you.

Thanks

Dana Bernard, LEHS  
Environmental Health Specialist II  
Howard County Health Department  
Well and Septic Program  
8930 Stanford Blvd. Columbia, MD 21045  
410-313-2775 office  
[www.hchealth.org](http://www.hchealth.org)  
Social Media: @hocohealth



## Williams, Jeffrey

---

**From:** Williams, Jeffrey  
**Sent:** Wednesday, February 1, 2023 8:54 AM  
**To:** John Carney (jcarney@bei-civilengineering.com)  
**Subject:** PC 13931 Hallowell Ct

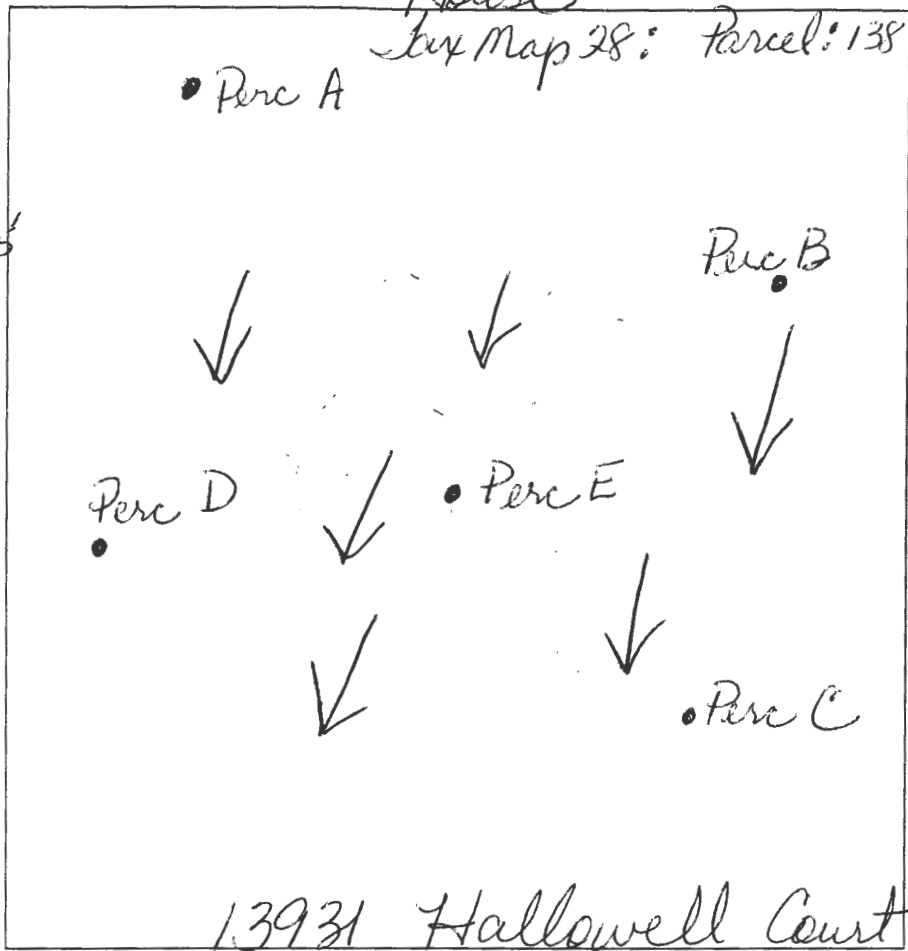
Hey John. I'm doing a final review on this PC and have a couple notes I want to have added. Since we are right on the 2 week mark here, I can add them myself if you want, just let me know:

1. Change purpose note to add that this is in support of proposed living space and deck additions.
2. Add a note stating that an OSDS plan showing how 3 systems at the proposed number of bedrooms can fit in the SDA must be approved, existing system abandoned and new system installed with septic permit approved prior to Health approval of a building permit.

Jeff Williams  
Deputy Director  
Bureau of Environmental Health  
Howard County Health Dept.  
8930 Stanford Blvd. Columbia, MD 21045  
410-313-4261  
[www.hchealth.org](http://www.hchealth.org)

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House  
 Tax Map 28: Parcel: 138



#A  
 Red Brown  
 yellow  
 SL  
 3.5'  
 Red Brown  
 yellow  
 SL  
 many  
 mica  
 10-20%  
 shale  
 ↓  
 14'

#B  
 Red Brown  
 yellow  
 SL  
 2'  
 Red Brown  
 yellow  
 SL  
 many  
 mica  
 shale  
 10-20%  
 ↓  
 14'

#C  
 Red Brown  
 yellow  
 SL  
 3.5'  
 Red Brown  
 yellow  
 SL  
 many  
 mica  
 10-20%  
 shale  
 ↓  
 14'

#D  
 Red Brown  
 yellow  
 SL  
 3.8'  
 Red Brown  
 yellow  
 SL  
 many  
 mica  
 5-10%  
 shale  
 ↓  
 14'

#E  
 Red Brown  
 yellow  
 SL  
 1.5'  
 Red Brown  
 yellow  
 SL  
 5-10%  
 many mica  
 ↓  
 14'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12-9-22	D	4.5 / 14	10:37	10:39	10:43	4m	P
12-9-22	A	4 / 14	11:25	11:29	11:35	6m	P
12-9-22	B	2.5 / 14	10:50	10:52	10:54	2m	P
12-9-22	E	2 / 14	10:57	11:00	11:04	4m	P
12-9-22	C	3 / 14	11:08	11:10	11:16	6m	P

REMARKS: HO-81-0406 Will Jag  
 SANITARIAN: DBennet BACKHOE: \_\_\_\_\_ OTHERS: \_\_\_\_\_  
 TEST HOLES USED IN SDA: \_\_\_\_\_ AVG. PERC TIME: \_\_\_\_\_ SQ. FT/BR: \_\_\_\_\_  
 TRENCH WIDTH: \_\_\_\_\_ INLET DEPTH: \_\_\_\_\_ MAX. BOT DEPTH: \_\_\_\_\_ EFFECTIVE SW: \_\_\_\_\_

## Williams, Jeffrey

---

**From:** jcarney@bei-civilengineering.com  
**Sent:** Wednesday, February 1, 2023 11:04 AM  
**To:** Williams, Jeffrey  
**Subject:** RE: PC 13931 Hallowell Ct

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

Jeff, those notes are fine to add.

One item on this project.... We showed the ultimate building improvements but the owners are going to phase the improvements over several years. When you get the first building permit application it won't show the same improvements. I have spoken with the owners are they are okay with putting in the septic for the ultimate number of bedrooms at this time.

John

**From:** Williams, Jeffrey <jewilliams@howardcountymd.gov>  
**Sent:** Wednesday, February 1, 2023 8:54 AM  
**To:** John Carney (jcarney@bei-civilengineering.com) <jcarney@bei-civilengineering.com>  
**Subject:** PC 13931 Hallowell Ct

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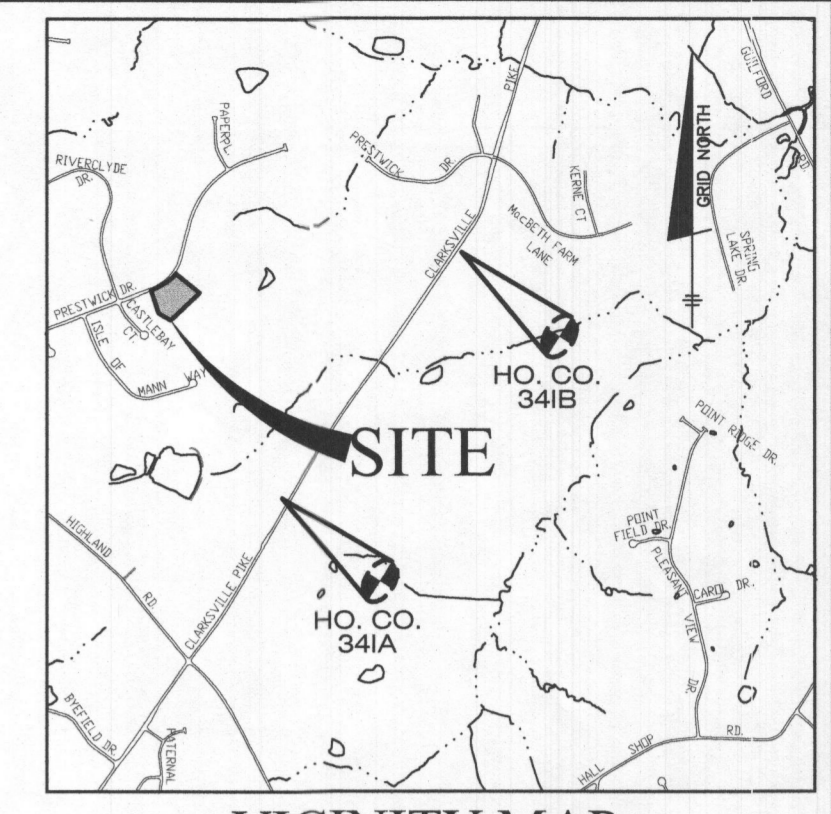
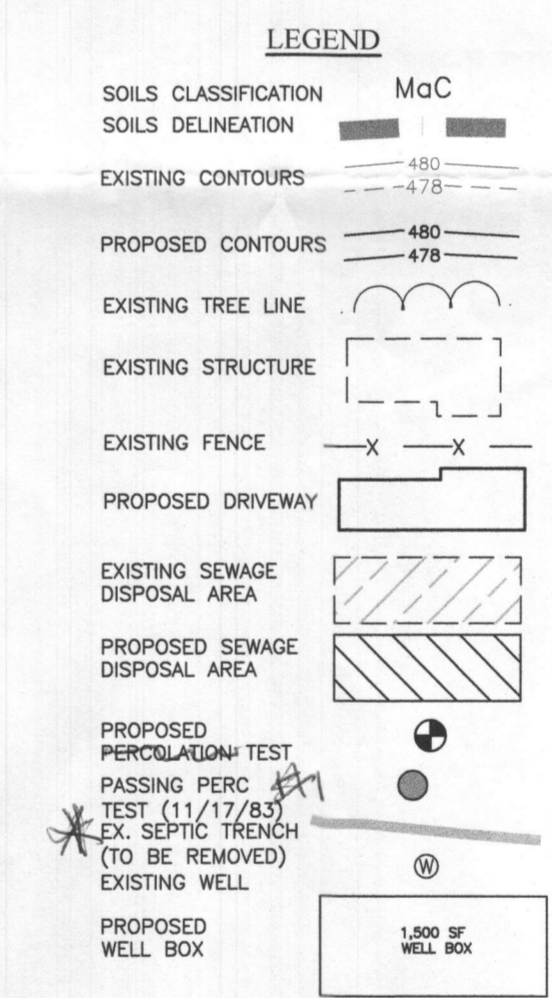
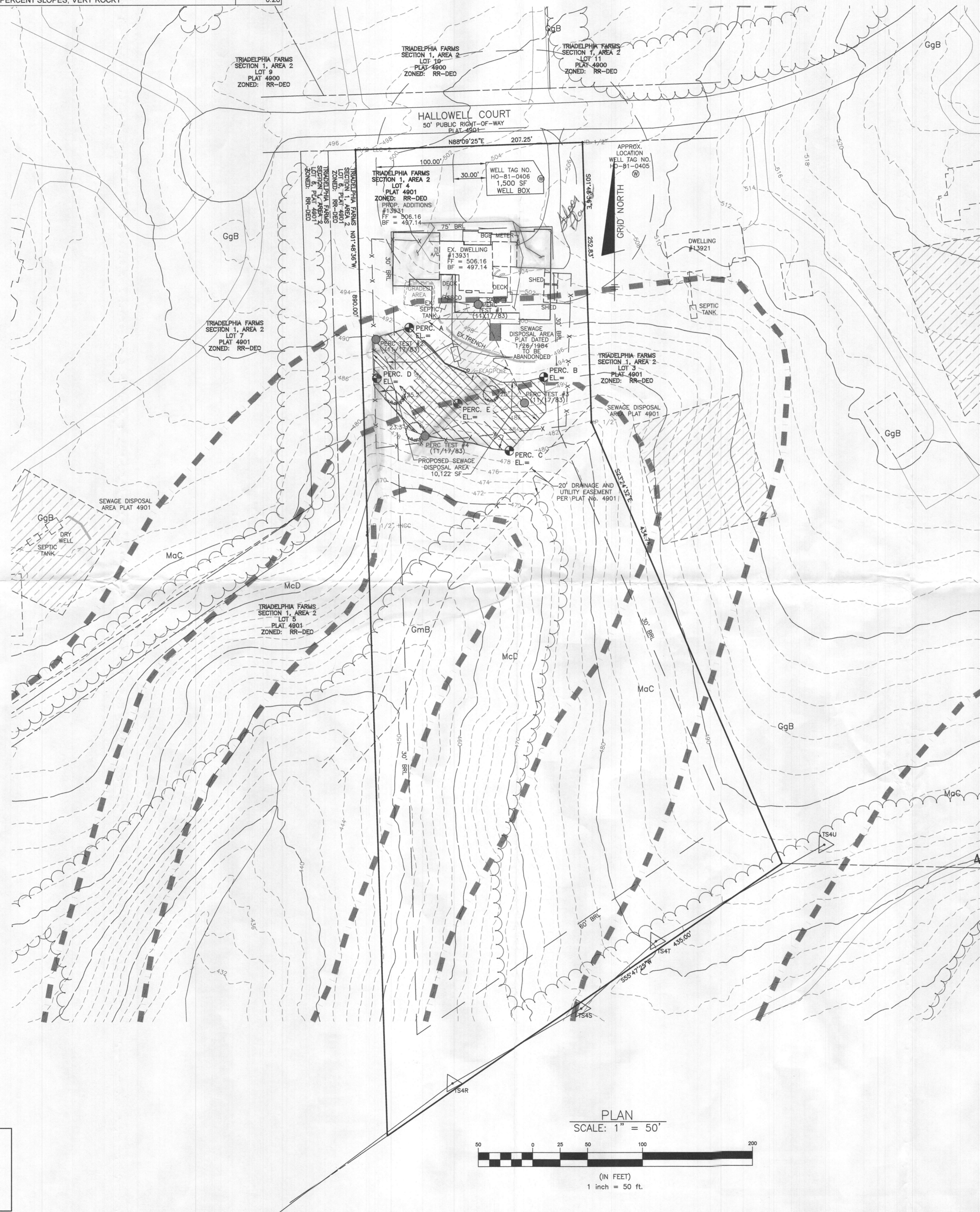
Jeff Williams  
Deputy Director  
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SOILS CHART				
SYMBOL	HYDRIC	HYDROLOGIC GROUP	NAME	Kw FACTOR
GgB		B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	0.37
GmB*	YES	C/D	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	0.55
MaC		B	MANOR LOAM, 8 TO 15 PERCENT SLOPES	0.32
McD		B	MANOR LOAM, 15 TO 25 PERCENT SLOPES, VERY ROCKY	0.28

\*\* HIGHLY ERODIBLE, K>0.35, AND STEEPER THAN 5% OR 15% AND GREATER SLOPES.  
 SOIL SURVEY STAFF, NATURAL RESOURCES CONSERVATION SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WEB SOIL SURVEY, AVAILABLE ONLINE AT THE FOLLOWING LINK:  
[HTTP://WEBSOILSURVEY.SC.EGOV.USDA.GOV/](http://websoilsurvey.sc.egov.usda.gov/), ACCESSED 08/01/2022.

THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.



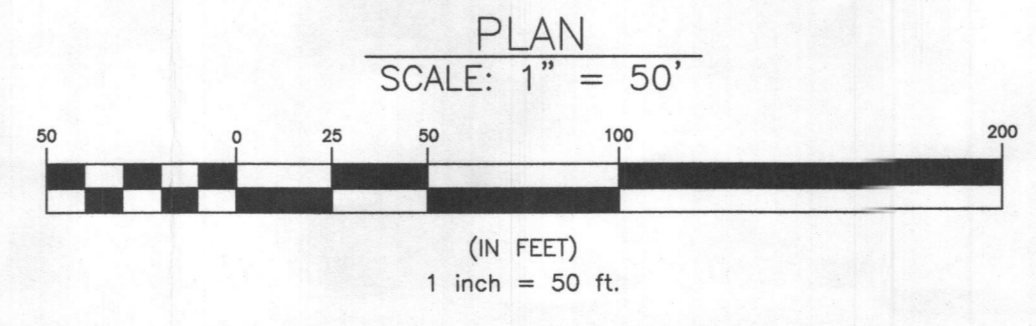
VICINITY MAP  
 SCALE: 1" = 2000'  
 ADC MAP 31; GRID C4

GENERAL NOTES

- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA. RECORDATION OF A MODIFIED SEWAGE DISPOSAL AREA SHALL NOT BE NECESSARY.
- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT. THE LOT SIZE FOR THESE LOTS WILL FULFILL THE REQUIREMENTS OF THE ZONING REGULATIONS.
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY'S BOUNDARIES EXCEPT THAT WHICH ARE SHOWN.
- THE EXISTING TOPOGRAPHY SHOWN IS TAKEN FROM HOWARD COUNTY GIS AND SUPPLEMENTED WITH FIELD-RUN TOPOGRAPHY PERFORMED BY BENCHMARK ENGINEERING, INC., ON OR ABOUT SEPTEMBER 2022. CONTOURS ARE AT TWO-FOOT INTERVALS.
- TRACT OUTLINE BASED ON RECORD PLAT 4900 UNDER F-81-046 PREPARED BY HUDKINS AND ASSOCIATES, INC. DATED OCTOBER 11, 1980.
- THE EXISTING WELL HO-81-0406 ON LOT 4 HAS BEEN FIELD LOCATED, IS ACCURATELY SHOWN AND IS TO REMAIN.
- FOR THE PERCOLATION TEST FEE RECEIPT NUMBER PLEASE REFERENCED THE APPROVING AUTHORITY CORRESPONDENCE.
- THE PURPOSE OF THIS PERCOLATION CERTIFICATION IS TO ESTABLISH A REVISED PRIVATE SEWERAGE DISPOSAL AREA FOR THE LOT SHOWN ON THIS PROPERTY, AND TO ESTABLISH 1,500 SF FOR REPLACEMENT WELL SITES.

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.  
*John M. Carney* 11/18/22  
 PLAN PREPARER  
 JOHN M. CARNEY  
 FOR BENCHMARK ENGINEERING, INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 \_\_\_\_\_  
 HOWARD COUNTY HEALTH OFFICER      DATE

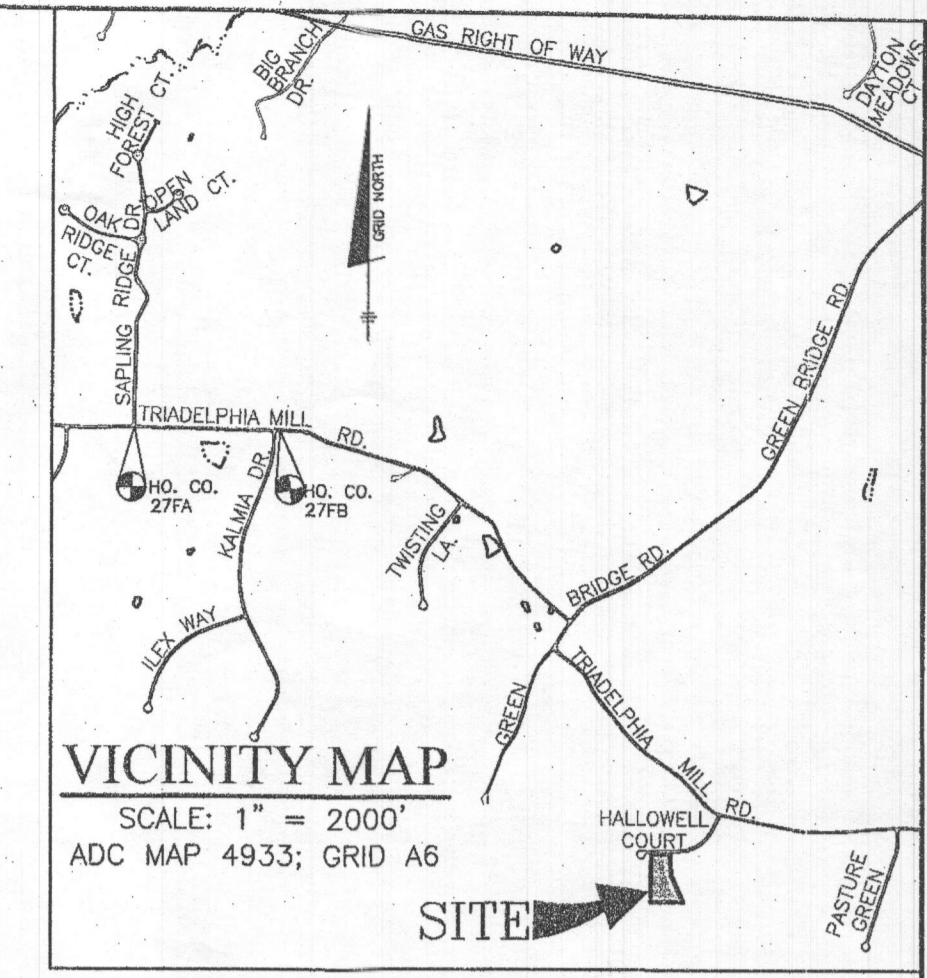
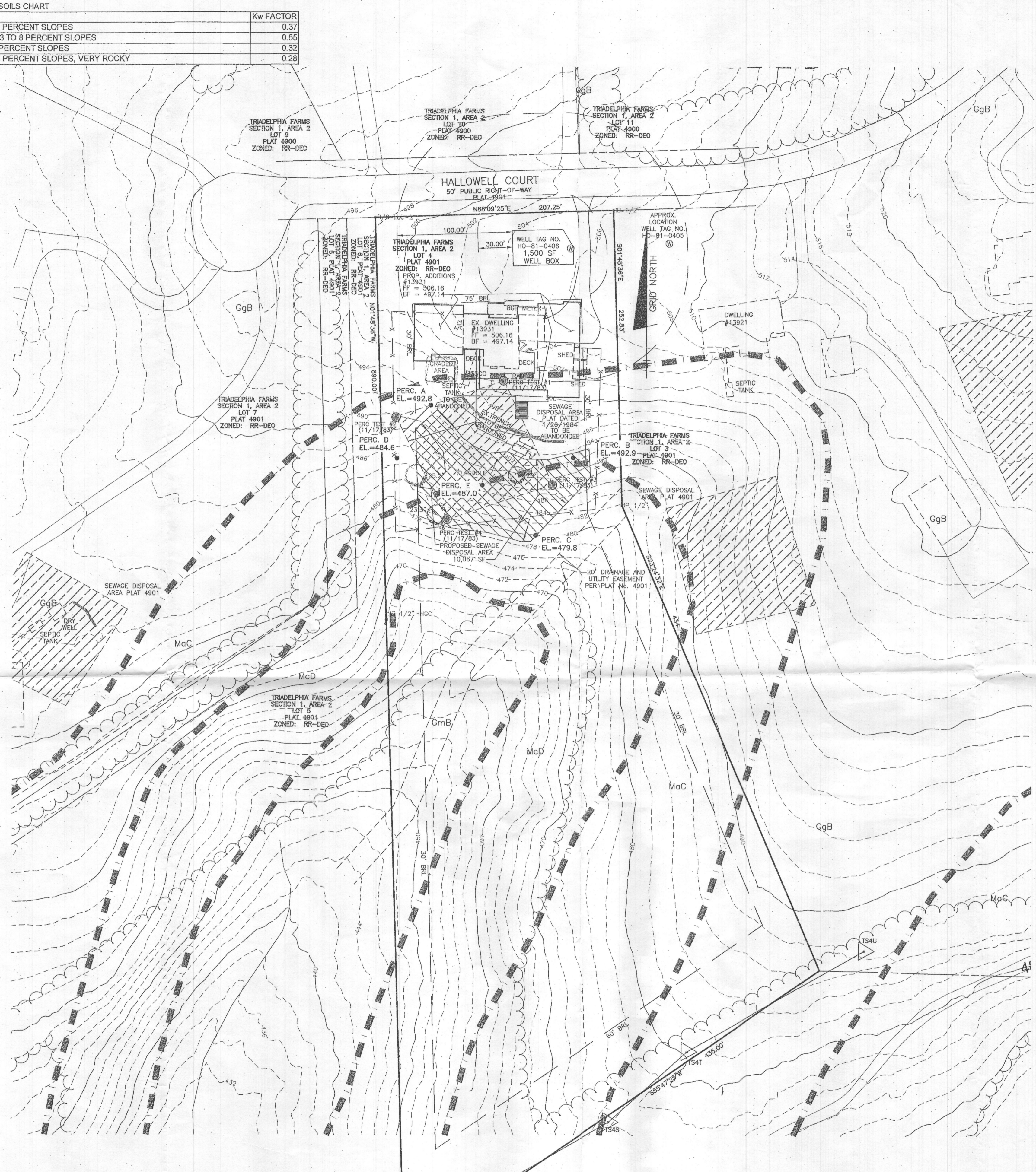


NO.	DATE	REVISION
<b>BENCHMARK</b> ENGINEERS • LAND SURVEYORS • PLANNERS <b>ENGINEERING, INC.</b> 3300 NORTH RIDGE ROAD SUITE 140 • ELICOTT CITY, MARYLAND 21043 (P) 410-465-8105 (F) 410-465-8644 WWW.BE-CVLENGINEERING.COM		
OWNER: DOUGLAS AND KATHLEEN WEAVER 13931 HALLOWELL COURT DAYTON, MD 21036 301-725-2634		<b>TRIADELPHIA FARMS</b> <b>SECTION 1 - AREA 2 - LOT 4</b> 13931 HALLOWELL COURT, DAYTON, MD 21036 TAX I.D. NO. 391555
<b>PERCOLATION TESTING PLAN</b>		
DATE:	NOV., 2022	BEI PROJECT NO: 3130
SCALE:	AS SHOWN	SHEET 1 OF 1
DESIGN: JC	DRAWN: JC	

SYMBOL	HYDRIC	HYDROLOGIC GROUP	NAME	Kw FACTOR
GgB		B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	0.37
GmB*	YES	C/D	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	0.55
MaC		B	MANOR LOAM, 8 TO 15 PERCENT SLOPES	0.32
McD		B	MANOR LOAM, 15 TO 25 PERCENT SLOPES, VERY ROCKY	0.28

\*\* HIGHLY ERODIBLE, K<0.35, AND STEEPER THAN 5% OR 15% AND GREATER SLOPES.  
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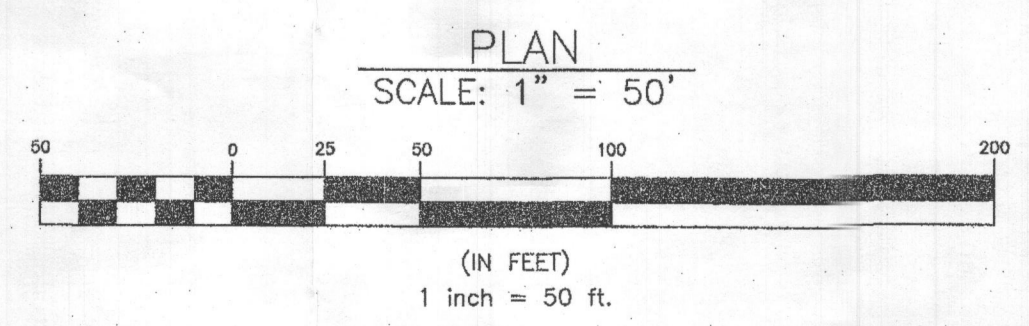
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LEGEND	
SOILS CLASSIFICATION	MaC
SOILS DELINEATION	--- ---
EXISTING CONTOURS	---450--- ---475---
PROPOSED CONTOURS	---480--- ---478---
EXISTING TREE LINE	~ ~ ~
EXISTING STRUCTURE	[Outline]
EXISTING FENCE	-X-X-
PROPOSED DRIVEWAY	[Hatched]
EXISTING SEWAGE DISPOSAL AREA	[Hatched]
PROPOSED SEWAGE DISPOSAL AREA	[Hatched]
PASSING PERCOLATION TEST (12/22)	●
PASSING PERC TEST (11/17/83) EX. SEPTIC TRENCH (TO BE REMOVED)	○
EXISTING WELL	⊙
PROPOSED WELL BOX	□

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.  
*John M. Carney* 1/10/23  
 PLAN PREPARER  
 JOHN M. CARNEY  
 FOR BENCHMARK ENGINEERING, INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*[Signature]* 2/1/23  
 HOWARD COUNTY HEALTH OFFICER DATE

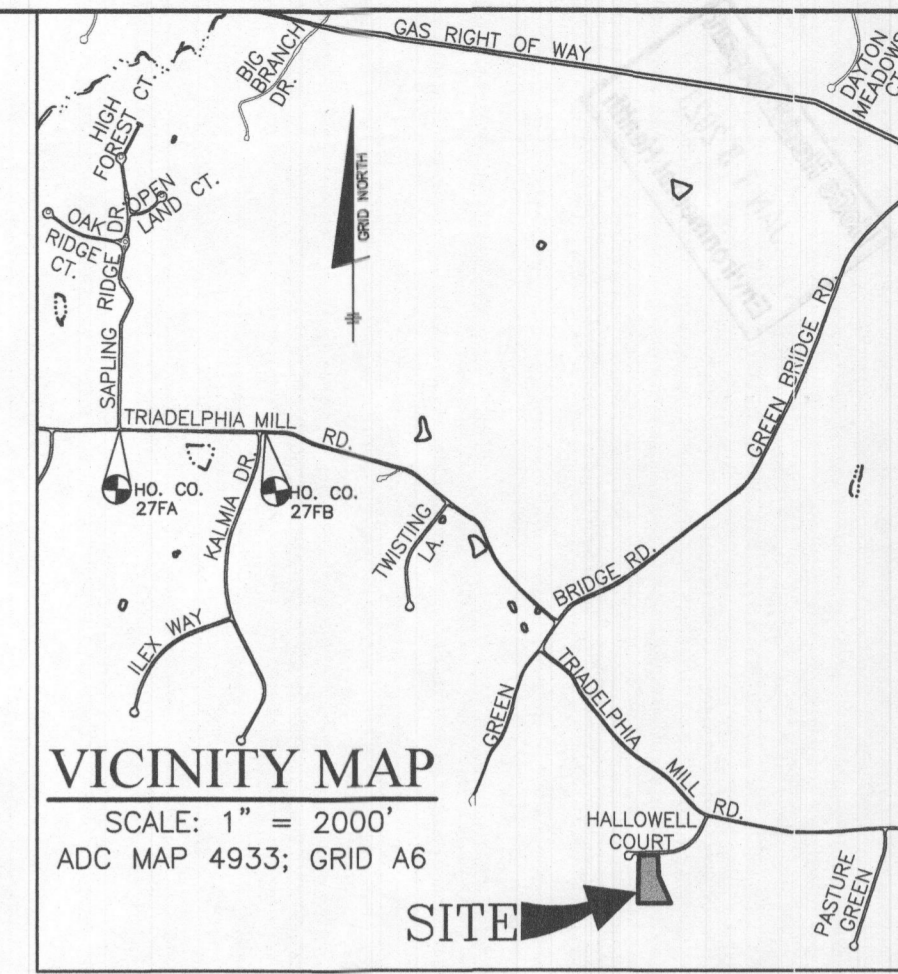
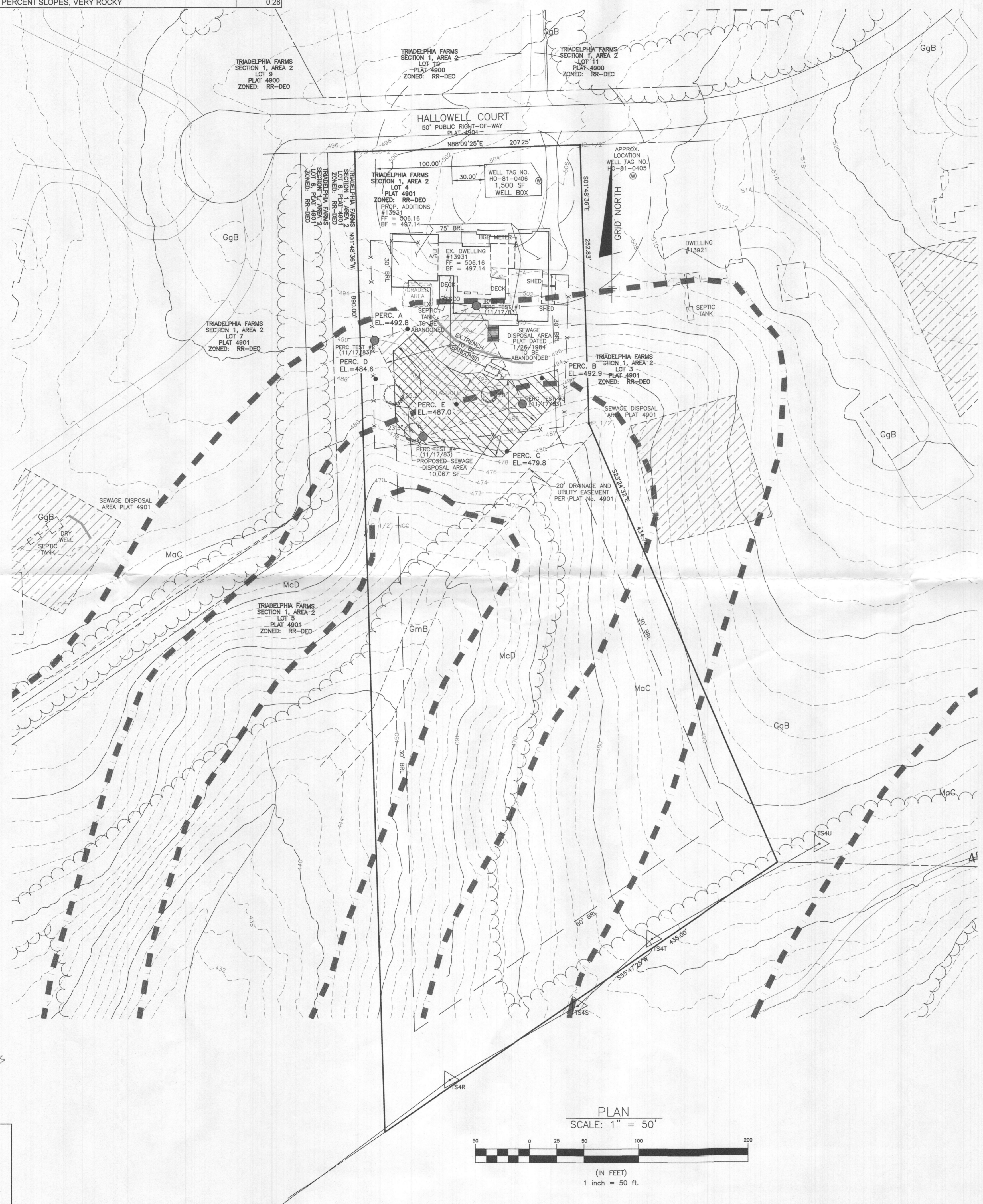


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TAX MAP: 28		GRID: 19		PARCEL: 138	
ELECTION DISTRICT NO. 5		ZONED: RR-DEO		HOWARD COUNTY, MARYLAND	
<b>PERCOLATION CERTIFICATION PLAN</b>					
DATE: JAN., 2023		BEI PROJECT NO: 3130			
DESIGN: JC	DRAWN: JC	SCALE: AS SHOWN	SHEET 1 OF 1		

SYMBOL	HYDRIC	HYDROLOGIC GROUP	NAME	Kw FACTOR
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LEGEND	
SOILS CLASSIFICATION	MaC
SOILS DELINEATION	—
EXISTING CONTOURS	— 480 — — 478 —
PROPOSED CONTOURS	— 480 — — 478 —
EXISTING TREE LINE	—
EXISTING STRUCTURE	—
EXISTING FENCE	— X —
PROPOSED DRIVEWAY	—
EXISTING SEWAGE DISPOSAL AREA	—
PROPOSED SEWAGE DISPOSAL AREA	—
PASSING PERCOLATION TEST (12/22)	●
PASSING PERC TEST (11/17/83)	●
EX. SEPTIC TRENCH (TO BE REMOVED)	—
EXISTING WELL	⊗
PROPOSED WELL BOX	1,500 SF WELL BOX

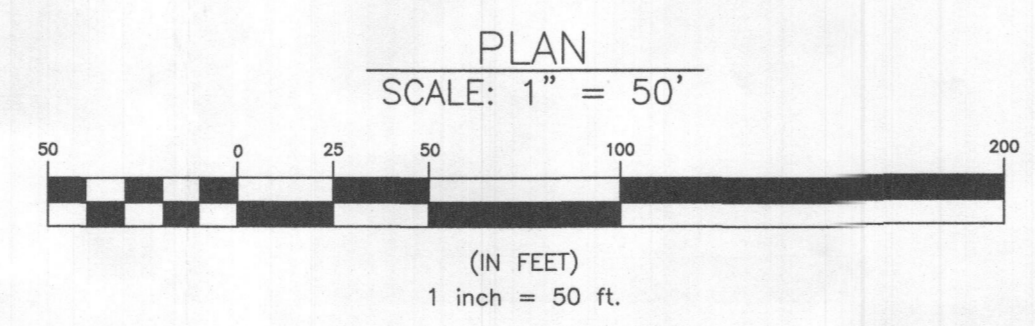
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*John M. Carney* 1/10/23  
 PLAN PREPARER  
 JOHN M. CARNEY  
 FOR BENCHMARK ENGINEERING, INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

*[Signature]*  
 HOWARD COUNTY HEALTH OFFICER

DATE: 2/2/23



NO.	DATE	REVISION

**BENCHMARK**  
 ENGINEERS • LAND SURVEYORS • PLANNERS  
**ENGINEERING, INC.**  
 3300 NORTH RIDGE ROAD & SUITE 140 & ELLCOTT CITY, MARYLAND 21043  
 (P) 410-465-8108 (F) 410-465-8644  
 WWW.BE-CIVILENGINEERING.COM

OWNER: DOUGLAS AND KATHLEEN WEAVER 13931 HALLOWELL COURT DAYTON, MD 21036 301-725-2634	<p><b>TRIADELPHIA FARMS</b>  <b>SECTION 1 - AREA 2 - LOT 4</b>          13931 HALLOWELL COURT, DAYTON, MD 21036          TAX I.D. NO. 391555</p> <p>TAX MAP: 28 GRID: 19 PARCEL: 138 ZONED: RR-DEO          ELECTION DISTRICT NO. 5          HOWARD COUNTY, MARYLAND</p> <p><b>PERCOLATION CERTIFICATION PLAN</b></p>
DATE: JAN., 2023	BEI PROJECT NO: 3130
DESIGN: JC	DRAWN: JC
SCALE: AS SHOWN	SHEET 1 OF 1