



Howard County  
Health Department

**Bureau of Environmental Health**

8930 Stanford Boulevard, Columbia, MD 21045

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[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

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

RECEIPT DATE: \_\_\_\_\_

**ONSITE SEWAGE DISPOSAL SYSTEM**

P \_\_\_\_\_

APPROVAL DATE: 1/19/23

**PERMIT: CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 12257 Woodspurge Ct

SUBDIVISION: Woodmark

LOT: 12

TAX ID: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: \_\_\_\_\_

PHONE: \_\_\_\_\_

PROPERTY OWNER: Ogden

EMAIL: Mogden@accuratebuilds.com

OWNER ADDRESS: \_\_\_\_\_

PHONE: 410-200-0150

SEPTIC TANK SIZE (GALLONS): 1500

TANK MANUFACTURER: \_\_\_\_\_

PUMP MODEL: Goulds

PUMP SIZE

1/3 hp

PUMP TANK CAPACITY:

1500

DISTRIBUTION SYSTEM: ☒ GRAVITY

☐ PRESSURE DOSED

BEDROOMS: 4

APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>90' (2 x 45')</u>	INLET DEPTH: <u>3'</u>
	TRENCH WIDTH: <u>3'</u>	MAXIMUM BOTTOM DEPTH: <u>8'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3'</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Needs force main constructed to watertight standards set forth in COMAR 26.04.04 and maintain 10' to well locations or sleeve within 50' of well locations.	

ISSUED BY: Jeff Williams

ISSUE DATE: \_\_\_\_\_

EXPIRATION DATE: \_\_\_\_\_

**NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION**

**NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING**

**NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.**

**NOTE: WATERTIGHT TANKS REQUIRED**

**NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRAIENT FROM ANY WATER WELL**

**NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS**

**NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM**

☐ ELECTRICAL PERMIT ISSUED

E \_\_\_\_\_

**NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA**

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.**

**PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.**

**CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**

NOT TO SCALE

**TRENCH/DRAINFIELD DATA**

WIDTH INLET BOTTOM

3' 3' 8'

NUMBER OF TRENCHES 2

TOTAL LENGTH 90 F

ABSORPTION AREA 270 SF + 15' SIDE WALL

DISTRIBUTION BOX LEVEL PUMP

DISTRIBUTION BOX BAFFLE CONC.

DISTRIBUTION BOX PORT YES

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL YES

MANUFACTURER BABYLON

CAPACITY 1500 GAL

SEAM LOC TOP

TANK LID DEPTH 4.5'

BAFFLES YES

BAFFLE FILTER YES

MANHOLE LOC FRONT/BACK

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED YES

DATE ON LID 12/12/2022

PUMP/SEPTIC TANK LEVEL YES

MANUFACTURER BABYLON

CAPACITY 1500 GAL

SEAM LOC TOP

TANK LID DEPTH 4'

BAFFLES -

BAFFLE FILTER -

MANHOLE LOC FRONT/BACK

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED -

DATE ON LID 12/12/2022

ROAD NAME

**PRE-CONSTRUCTION:**

01/12/2023 Confirmed contour of 2x trs.

**INSTALLATION:**

01/17/2023 SHC AND SC INSTALLED. TANKS SET (D)  
01/18/2023 OK to straighten out tanks; tanks set; shc installed.  
01/19/2023 front main installed; D box set; PLA  
Complete. (D)

FINAL INSPECTOR

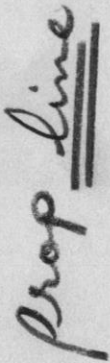
DATE OF APPROVAL

01/19/2023



1:30

Prag: line



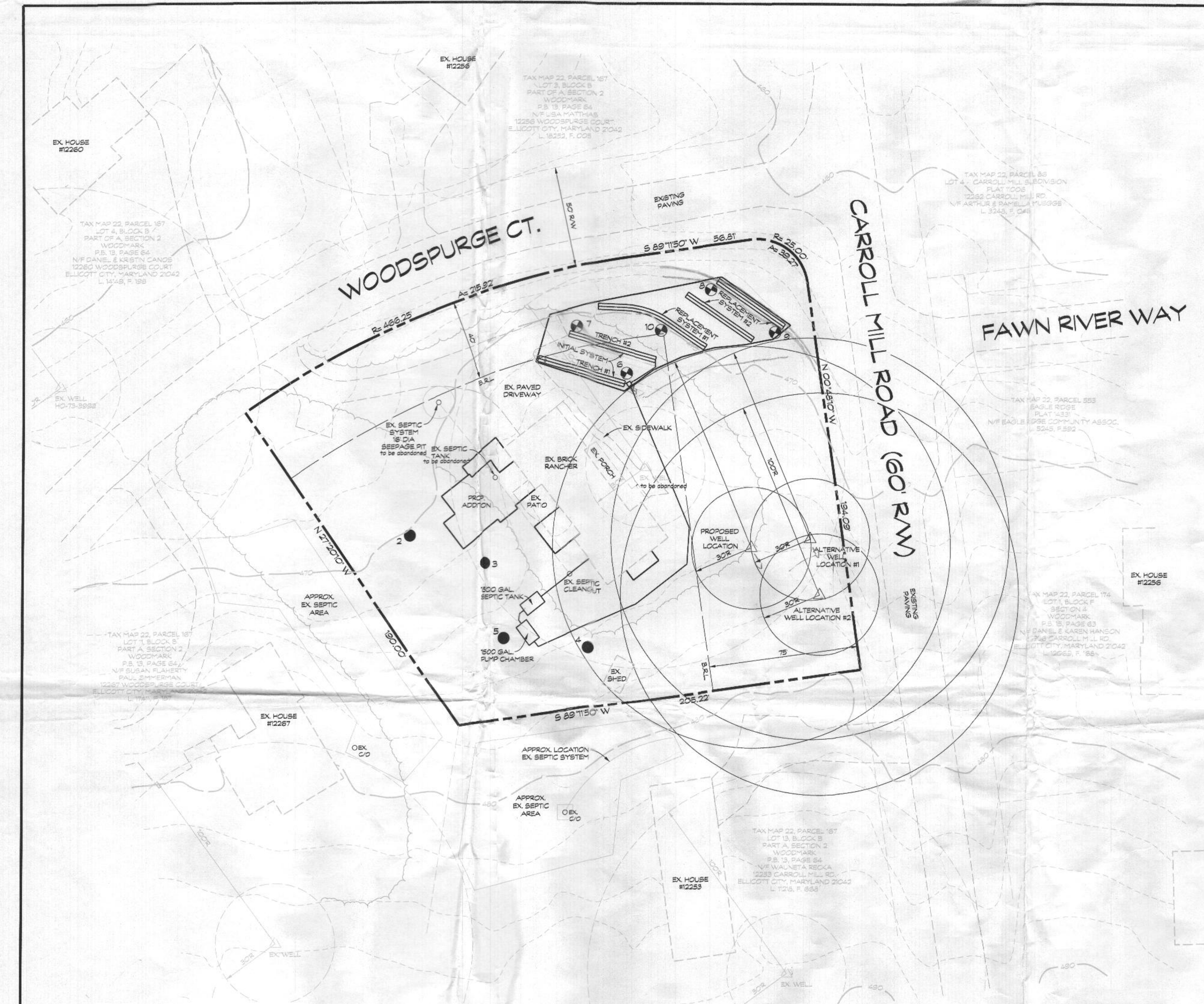
100' WELL ARC

30A

OFFSET  
DRIVE

12257 WOODSPURGE COURT





### SEPTIC SYSTEM TRENCH DESIGN:

EXISTING HOUSE - 3 BEDROOMS  
PROPOSED ADDITION - 1 BEDROOM  
TOTAL BEDROOMS - 4

#### INITIAL SYSTEM:

APPLICATION RATE = 0.8 GPD/SQ. FT.  
EFFECTIVE DEPTH IS 5'  
TRENCH WIDTH = 3'  
150 GAL x 4 BEDROOMS = 600 GAL/DAY  
600 GAL/DAY / 0.8 GAL/DAY/SQ. FT. = 750 SQ. FT.  
750 SQ. FT. / 3' = 250 L.F.  
250 L.F. x .36 = 90 L.F. OF DEEP TRENCH  
USE 2 - 45 L.F. OF TRENCH FOR EACH SYSTEM

#### REPLACEMENT SYSTEM #1 & #2:

APPLICATION RATE = 1.2 GPD/SQ. FT.  
EFFECTIVE DEPTH IS 5'  
TRENCH WIDTH = 3'  
150 GAL x 4 BEDROOMS = 600 GAL/DAY  
600 GAL/DAY / 1.2 GAL/DAY/SQ. FT. = 500 SQ. FT.  
500 SQ. FT. / 3' = 167 L.F.  
167 L.F. x .36 = 60 L.F. OF DEEP TRENCH  
USE 1 - 60 L.F. OF TRENCH FOR EACH SYSTEM

#### REPLACEMENT SYSTEM #2:

APPLICATION RATE = 1.2 GPD/SQ. FT.  
EFFECTIVE DEPTH IS 4'  
TRENCH WIDTH = 3'  
150 GAL x 4 BEDROOMS = 600 GAL/DAY  
600 GAL/DAY / 1.2 GAL/DAY/SQ. FT. = 500 SQ. FT.  
500 SQ. FT. / 3' = 167 L.F.  
167 L.F. x .48 = 81 L.F. OF DEEP TRENCH  
USE 2 - 41 L.F. OF TRENCH FOR EACH SYSTEM

### PLAN NOTES

- ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
- THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
- IF A BUILDING PERMIT IS SUBMITTED ANYTIME IN THE FUTURE, A SEPTIC SYSTEM UPGRADE WILL BE REQUIRED TO FINISH THE AREA CURRENTLY IDENTIFIED AS THE BASEMENT. AT THAT TIME, A SEPTIC SYSTEM UPGRADE WILL BE REQUIRED, AS FINISHING THE BASEMENT COULD POSSIBLY CREATE A FOURTH BEDROOM, PER HOWARD COUNTY CODE 8.60.1(B).
- TANK MEASUREMENTS AND ELEVATIONS ARE BASED ON SEPTIC TANKS AS MANUFACTURED BY MAYER BROS., ELK RIDGE, MD 410-798-1434.
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND 200 FEET DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

### GENERAL NOTES

- THE STORMWATER MANAGEMENT WAS NOT REQUIRED.
- THERE ARE NO STREAMS, PONDS, FLOODPLAINS, OR WETLANDS ON THIS LOT UNLESS OTHERWISE SHOWN HEREON.
- THERE ARE NO 20% OR GREATER SLOPES ON THIS LOT.
- THE EXISTING WELL (TAG # HO-15-0022) HAS BEEN FIELD LOCATED BY CLSI AND IS ACCURATELY SHOWN HEREON.

### DATA TABULATIONS

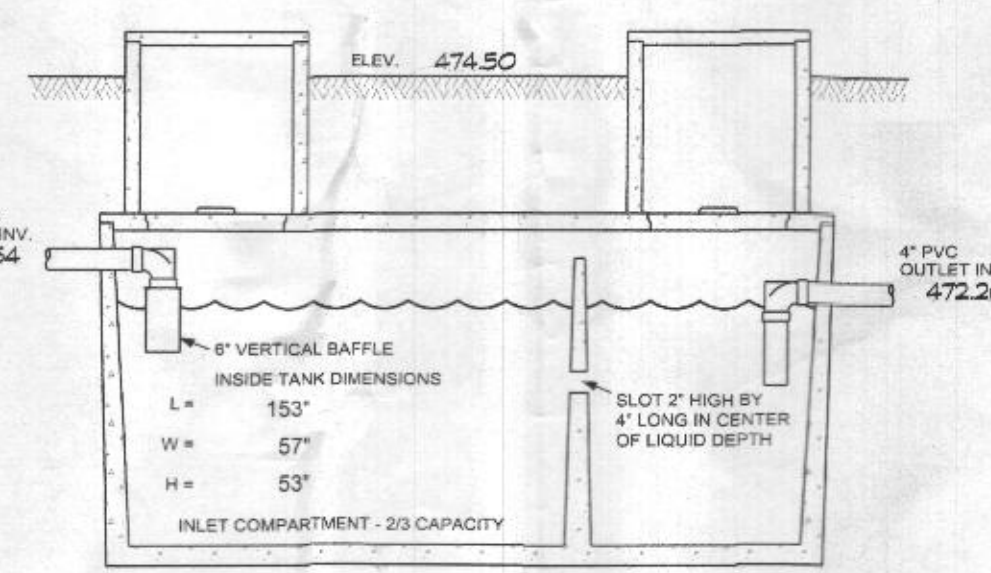
- ZONING DISTRICT: R8-080
- NUMBER OF BUILDING SITES: 1
- TOTAL AREA OF LOT: 1.238 ± ACRES

PURPOSE NOTE:  
THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO SHOW AN ADDITIONAL SEPTIC EASEMENT TO SUPPORT THE PROPOSED ADDITION. THE TOTAL BEDROOMS WILL BE 4 BEDROOMS.

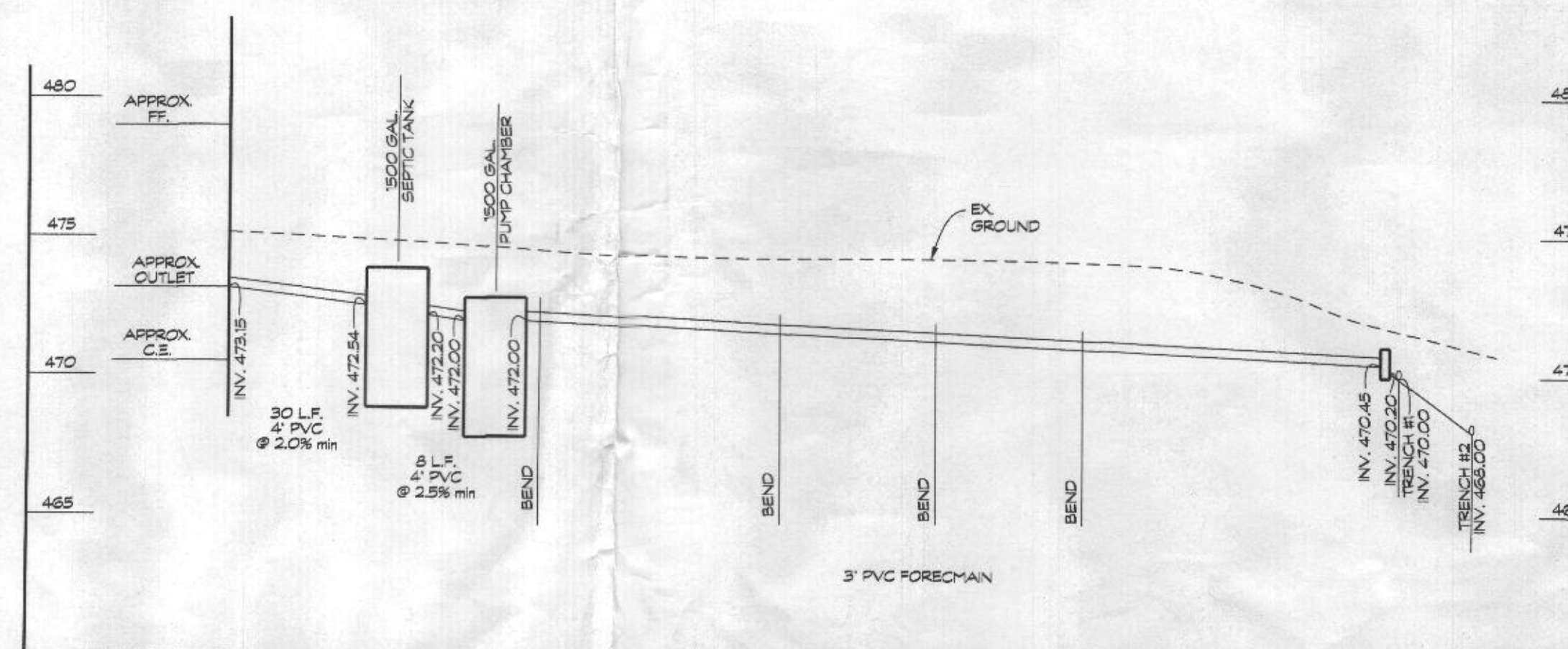
### TRENCH CHART

TRENCH	EX. GROUND	INV. ELEV.	BOTTOM OF TRENCH
1	473.0	470.0	462.0 465
2	471.0	468.0	460.0 463

PLAN  
SCALE: 1" = 30'



SOIL SYMBOL	SOIL SERIES	SOIL HSG	ERODIBLE (K-FACTOR X 100)	HYDRC
H8B	GLADSTONE LOAM	A	-	-



SEPTIC LINE PROFILE  
SCALE: HORIZ. 1" = 30'  
VERT. 1" = 5'

### OWNER/DEVELOPER

MICHAEL & JANINE OGDEN  
12257 WOODSPURGE COURT  
ELLCOTT CITY, MD 21042

Approved  
11/14/22  
[Signature]

### ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN OGDEN PROPERTY

ALSO KNOWN AS 12257 WOODSPURGE COURT  
LOT 12, BLOCK B  
PART A, SECTION 2  
"WOODMARK"  
PLAT BOOK 13, PAGE 64  
LIBER 16546, FOLIO 282  
TAX MAP 22 - BLOCK: 6 - PARCEL: 167  
3rd ELECTION DISTRICT - HOWARD COUNTY, MD



439 East Main Street Westminister, MD 21157-5539  
(410) 848-1790 FAX (410) 848-1791

Date	Revisions	Drawn By: BM/LDA
		Designed By: LDA
		Reviewed By: MAR
		Date: AUG 2020
		Scale: 1" = 30'
		Job No: 2020010
		Sheet: 1 OF 2

County File No.