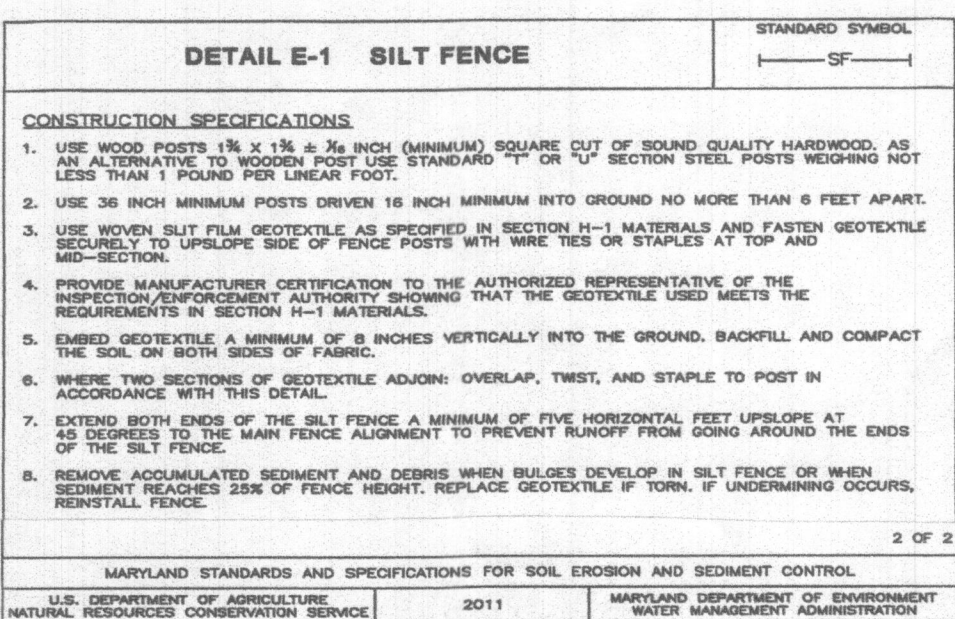
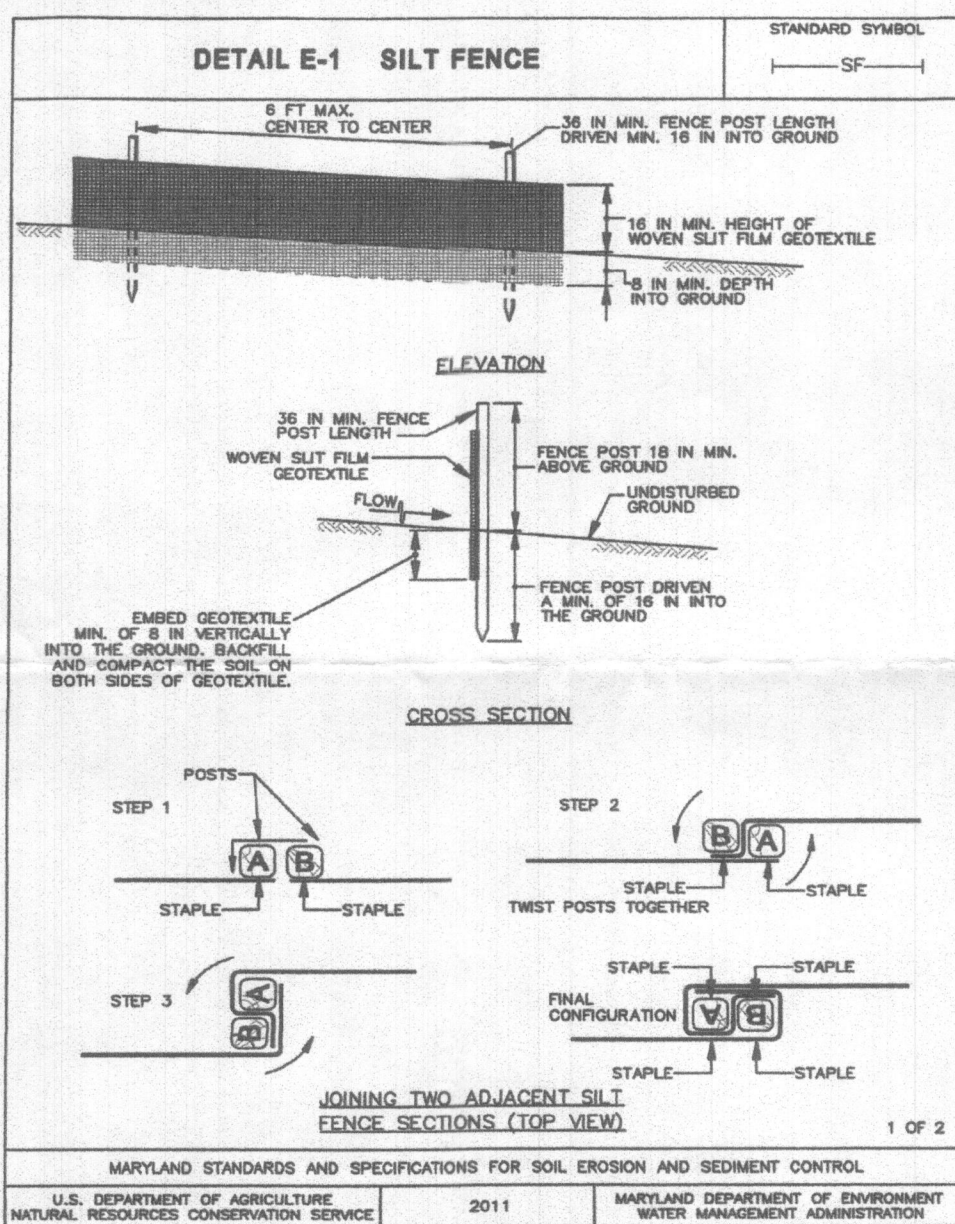


# LEGEND

These standard symbols will be found in the drawing.

- + 100.00
- + EXISTING ELEVATIONS
- PROPOSED ELEVATIONS
- ANCHOR/GUYWIRE
- TREE CONSERVATION AREA
- STONE CONST. ENT.
- WATER VALVE
- SEWER MANHOLE
- LIMIT OF DISTURBANCE
- EX. CONTOURS
- SEWER LINE
- EDGE OF PAVING
- STREAM/CREEK
- WATER LINE
- EX. WOODSLINE
- SILT FENCE
- UTILITY POLE
- FIRE HYDRANT
- SPECIFIC TREES
- PERCOLATION TEST HOLE
- SOILS LINE



\*Stabilization practices on all projects must be in compliance with the requirements of COMAR 26.17.1.08 G regulations by January 9, 2013, regardless of when an erosion and sediment control plan was approved. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization must be completed within:

- Three (3) calendar days as to the surface of all perimeter dikes, swales, ditches, perimeter slopes, and all slopes steeper than horizontal to 1 vertical (3); and
- Seven (7) calendar days as to all other disturbed or graded areas on the project site not under active grading.

## OWNER / DEVELOPER / APPLICANT

Harsha P. Dissanayake & Devinka D. Puswella  
13080 Williamsfield Drive  
Ellicott City, MD 21042

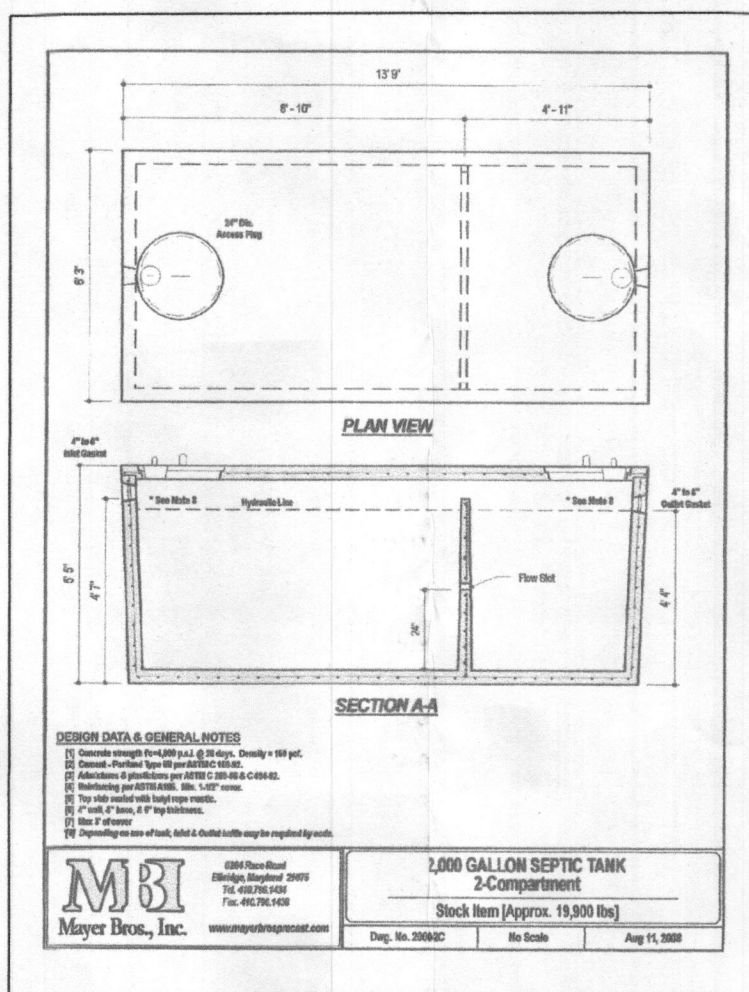
Phone: 443-742-1139

Email: prasad.dissanayake@tidh2o.net

CALL "MISS UTILITY" TELEPHONE NUMBER 1-800-251-7777 FOR UTILITY LOCATIONS AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION.

## Map Unit Legend (Rose Mary Estates)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GgB	Glendg loam, 3 to 8 percent slopes	0.5	5.2%
GmB	Glennville silt loam, 3 to 8 percent slopes	1.3	13.8%
GmC	Glennville silt loam, somewhat poorly drained, 8 to 15 percent slopes	0.3	3.5%
MaB	Manor loam, 3 to 8 percent slopes	0.3	3.7%
MaC	Manor loam, 8 to 15 percent slopes	6.4	68.4%
McD	Manor loam, 15 to 25 percent slopes, very rocky	0.4	4.5%
Totals for Area of Interest		9.3	100.0%

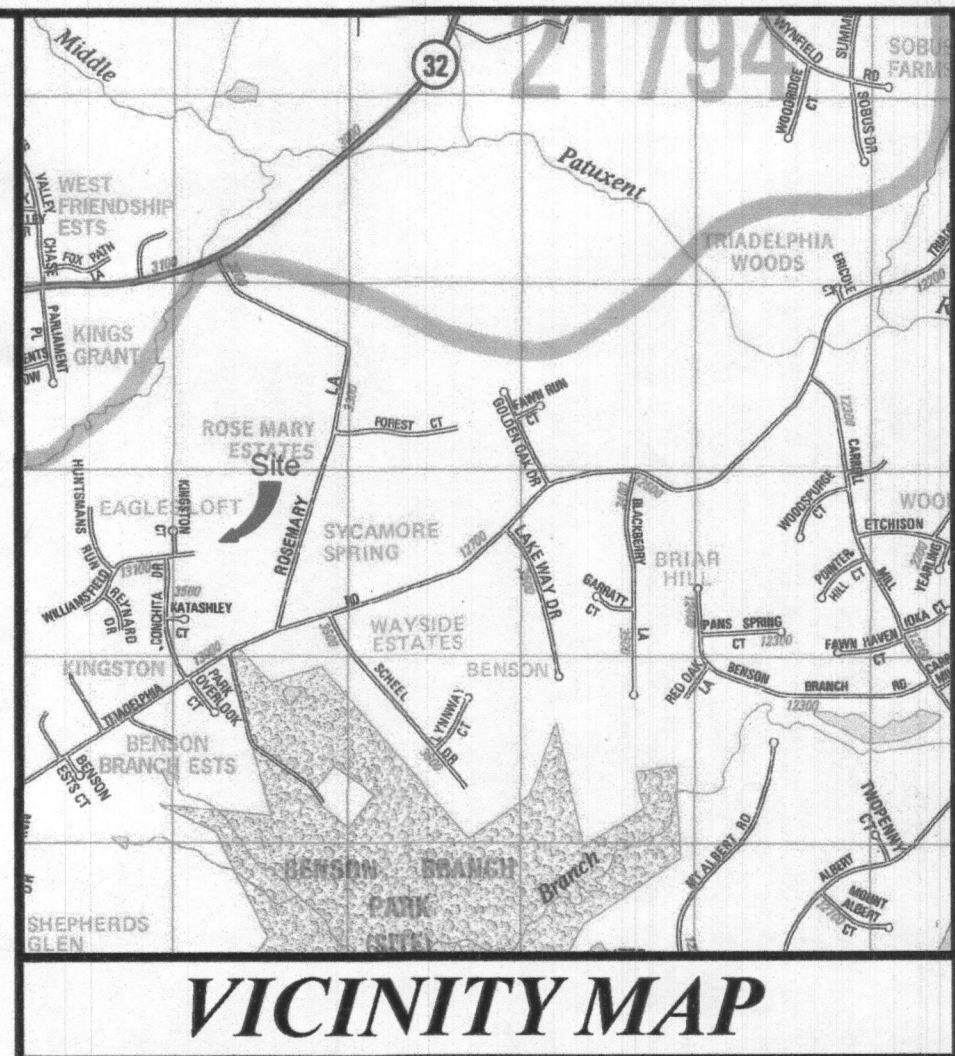
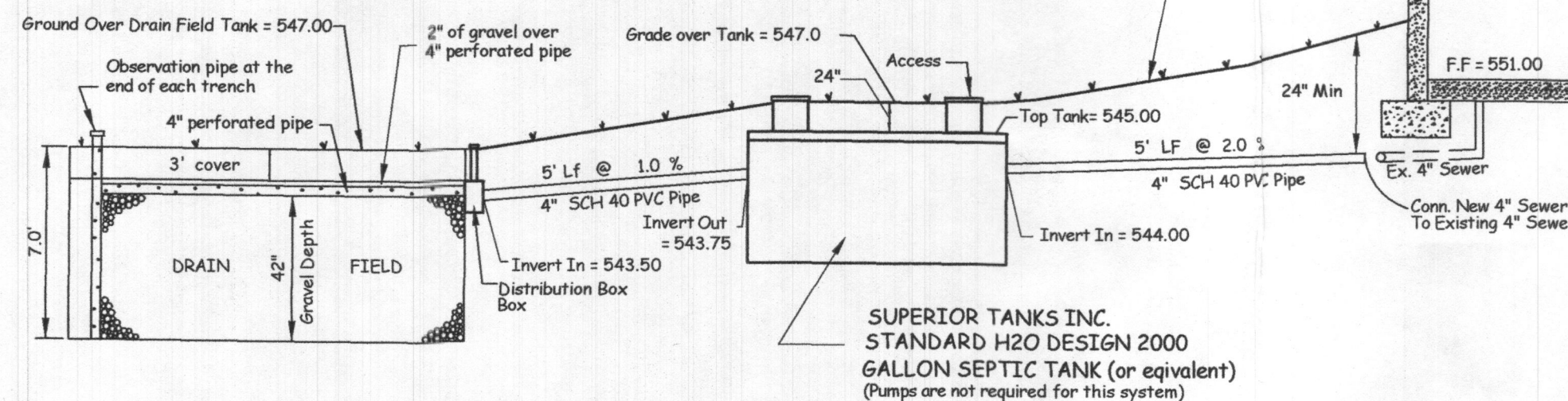


## SEPTIC NOTES:

- Any changes to the locations of 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 septic tank is 3.0 feet. Greater earth cover will require a heavyload bearing tank.
- Electrical work for the installation must be performed by a licensed electrician. (If required).
- The well (tag # HO-81-2397) has been field located and is accurately shown.
- All wells and septic systems located within 100' of the property boundaries and 200' down gradient of any wells and/or septic systems have been shown.

## STANDARD H2O DESIGN 2000 GALLON TWO COMPARTMENT SEPTIC TANK

(Not to Scale)



## GENERAL NOTES:

- SITE ZONED: R-R DEO.
- AREA OF SITE: 232,653 SF. OR 5.841 ACRES
- SITE IS LOCATED ON TAX MAP 22, GRID 04, PARCEL 300.
- SITE IS LOCATED ON ADC MAP PAGE 10, GRID 8-B.
- PROPERTY ACCOUNT NUMBER: 294579.
- WATER AND SEWER IS PRIVATE.
- OWNER/DEVELOPER/APPLICANT: Harsha P. Dissanayake & Devinka D. Puswella 13080 Williamsfield Drive Ellicott City, MD 21042
- PROPERTY DESCRIPTION: DEED LIBER 19314 AT FOLIO 341.
- TOPOGRAPHY OBTAINED FROM HOWARD COUNTY RECORDS AND FIELD VERIFIED AND CORRECTED TO DATE: 10/10/2010.
- PROPERTY ADDRESS: 13080 Williamsfield Drive Ellicott City, Maryland 21042
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY LINES.
- EXISTING SEPTIC TRENCHES AND RECOVERY AREA ARE NOT FIELD LOCATED AND ARE SHOWN TO THE BEST OF MY KNOWLEDGE OF THE SITE AND AVAILABLE RECORDS OBTAINED FROM THE HOWARD COUNTY HEALTH DEPARTMENT.

TOTAL DISTURBED AREA = 7,764 SF.

Known as Lot 16, "ROSE MARY ESTATES"

**SURVEYS, INC.**

SURVEYORS • ENGINEERS • LAND PLANNERS

PERMIT SERVICES

350 MAIN STREET

LAUREL, MARYLAND, 20707

PHONE 301-716-0941 • E-MAIL SURVEYS@GVERIZON.NET

**SITE SEPTIC PLAN**

FOR GARAGE AND DRIVEWAY ADDITION

13080 Williamsfield Drive

**DISSANAYSKE & PUSWELLA PROPERTY**

(3rd) Election District

Howard County, Maryland

SCALE	DESIGNER	CHECKED BY
1" = 50'	GB	GB
DATE	DRAFTER	FIELD BOOK
June, 2022	TB	
JOB NUMBER	SHEET NUMBER	FILE NUMBER
21-47	1 of 1	L - 566

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Health Officer, Howard County Health Dept.

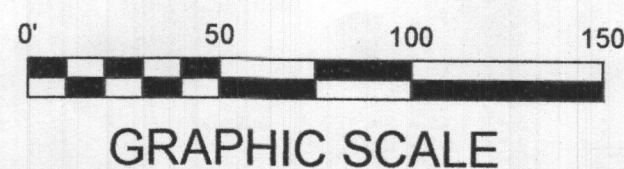
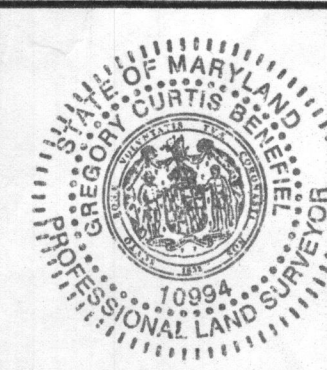
Date

I HEREBY 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.

June 22, 2022

DATE

GREGORY O BENERIEL  
REGISTERED PROFESSIONAL  
LAND SURVEYOR, MD No. 10994  
LICENSE EXP. AUG. 8, 2022





GENERAL NOTES

- 1) THIS PROPERTY IS ZONED RR-DEO.
- 2) THE PROPERTY BOUNDARY SHOWN IS BASED ON EXISTING DEED OF RECORD.
- 3) DEED REFERENCE: LIBER 18285 FOLIO 225.
- 4) THE EXISTING TOPOGRAPHY IS BASED ON FIELD RUN SURVEY CONDUCTED BY JNM ENGINEERING.
- 5) ANY CHANGE TO THE SEWERAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 6) ADJUSTMENTS TO THE SEWERAGE DISPOSAL AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- 7) SOIL TYPES SHOWN ON THIS PLAN ARE FROM THE USDA WEB SOIL SURVEY.
- 8) ALL EXISTING WELLS AND SEWERAGE DISPOSAL AREAS AND COMPONENTS WITHIN 100'-FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING/PROPOSED WELLS 200' DOWN GRADIENT FROM EXISTING OR PROPOSED SEPTIC SYSTEMS HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
- 9) ALL BUILDING SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- 10) AN OSDS PLAN WILL BE REQUIRED TO SHOW HOW 3 SYSTEMS FIT WITHIN THE APPROVED SEWAGE DISPOSAL AREA (SDA) PRIOR TO THE RELEASE OF THE SEPTIC PERMIT.
- 11) THE EXISTING SEPTIC SYSTEM MUST BE ABANDONED AND A NEW SYSTEM INSTALLED PRIOR TO BUILDING PERMIT APPROVAL.
- 12) EXISTING WELL (TAG# HO-17-0226) HAS BEEN FIELD LOCATED AND ACCURATELY SHOWN.
- 13) A VARIANCE REQUEST TO COMAR 26.04.02.04K TO MODIFY THE STEEP SLOPE OFFSET FROM 25 FEET TO 5 FEET, WITH SUPPORTING JUSTIFICATION, WAS SUBMITTED AND APPROVED ON OR ABOUT

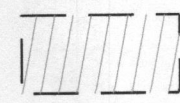
ZONING DATA

ZONING: RR-DEO  
MIN. LOT AREA = 130,680 SQ FT (3 AC.)  
MIN. LOT WIDTH AT R/W = 200 FT  
MIN. LOT WIDTH AT B.R.L. = 200 FT  
FRONT BRL = 50 FT  
REAR BRL = 30 FT  
SIDE BRL = 10 FT

SOILS DATA TABLE

SYMBOL	SOIL	HYDRIC	K-FACTOR	ERODIBLE	GROUP
GqC	Glenelg Loam, 8%-15% Slopes	NO	0.24	NO	B
GmB	Glenville silt loam, 3%-8% Slopes	YES	0.37	YES	C
GqB	Glenville silt loam, 5%-8% Slopes	NO	0.24	NO	B

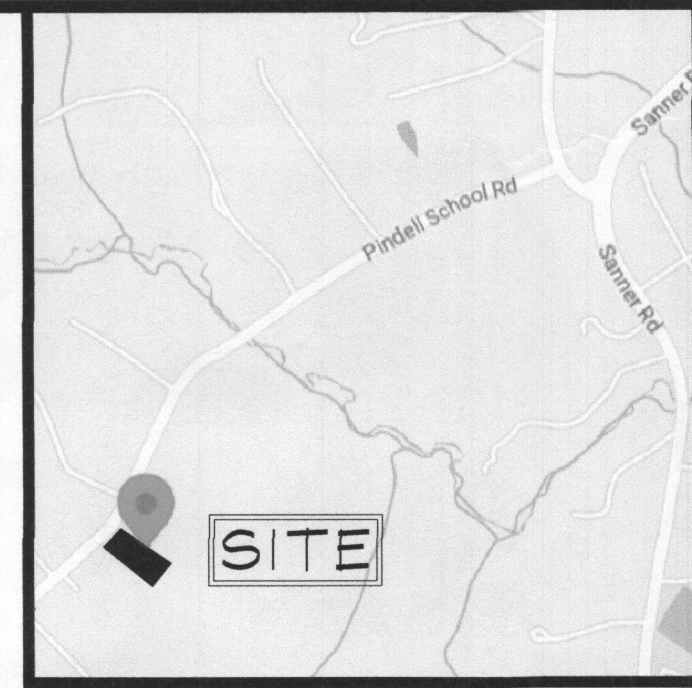
SOILS INFORMATION TAKEN FROM USDA WEB SOIL SURVEY WEBSITE  
NOTE: HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15% OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR "K" GREATER THAN 0.35 WITH A SLOPE GREATER THAN 5 PERCENT.



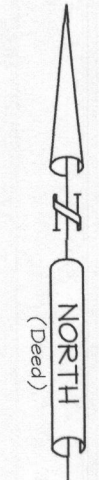
THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOT CREATED PRIOR TO MARCH OF 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLI 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.

LEGEND

	EX. PROP. LINE
	EX. FENCE
	PROP. DRIVEWAY
	SEWAGE DISPOSAL AREA
	SOIL BOUNDARY
	EX. 2' CONTOUR
	EX. 10' CONTOUR
	WELL (EX. OR PROP.)
	BUILDING RESTRICTION LINE
	EX. SPOT ELEVATION
	FAILED PERC TEST
	PASSED PERC TEST
	EX STEEP SLOPES



VICINITY MAP



PARCEL 193, TAX MAP 41, 5TH ELECTION DISTRICT

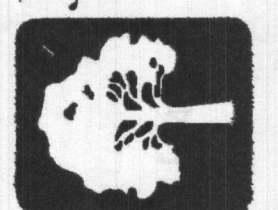
7081 PINDELL SCHOOL RD

FULTON, HOWARD COUNTY, MARYLAND

PERCOLATION CERT. PLAN

JNM ENGINEERING, LLC

CIVIL ENGINEERING, SURVEYING, LAND PLANNING,  
ENVIRONMENTAL, ARBORICULTURE, LEED PROFESSIONALS  
1105 LEAFY HOLLOW CIRCLE, MOUNT AIRY, MD 21771  
(301) 514-2808, JNMENGINEERINGLLC.COM

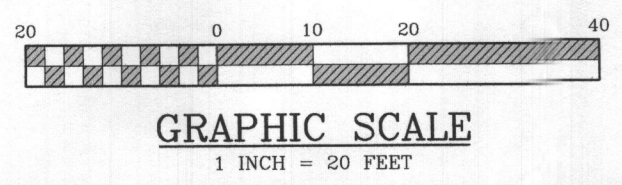


7081 PINDELL SCHOOL ROAD  
FULTON, MARYLAND 20759  
PARCEL 193, MAP 41, 1.04 ACRES  
PLAT 6/76, PLAT OF HOME MILTON  
SIMONS SUBDIVISION, DISTRICT 5  
PERCOLATION CERT. PLAN

PURPOSE STATEMENT  
The purpose of this percolation certification plan is to establish a sewerage disposal area and two alternate well sites for the subject property as part of a house addition.

OWNERS:

JUSTIN MAYS  
7081 PINDELL SCHOOL ROAD  
FULTON, MD 20759  
JUSTIN.C.MAYS@GMAIL.COM



APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS

COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

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

JAMES W. WITMER  
PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21931  
5/10/23  
DATE



# LEGEND

These standard symbols will be found in the drawing.

- + EXISTING ELEVATIONS
- PROPOSED ELEVATIONS
- ANCHOR/GUYWIRE
- TREE CONSERVATION AREA
- STONE CONST. ENT.
- SILT FENCE
- LIMIT OF DISTURBANCE
- EX. CONTOURS
- UTILITY POLE
- EDGE OF PAVING
- STREAM/CREEK
- EX. WOODSLINE
- SPECIFIC TREES
- PERCOLATION TEST HOLE
- SOILS LINE
- SEPTIC RECOVERY AREA
- EXISTING SEPTIC SYSTEM

## Map Unit Legend (Rose Mary Estates)

Map Unit Symbol	Map Unit Name	Acres in AUI	Percent of AUI
GgB	Glenns loam, 3 to 8 percent slopes	0.5	5.2%
GmB	Glennville silt loam, 3 to 8 percent slopes	1.3	13.8%
GmC	Glennville silt loam, somewhat poorly drained, 8 to 15 percent slopes	0.3	3.5%
MaB	Manor loam, 3 to 8 percent slopes	0.3	3.7%
MisC	Manor loam, 8 to 15 percent slopes	6.4	66.4%
McD	Manor loam, 15 to 25 percent slopes, very rocky	0.4	4.5%
Totals for Area of Interest		9.3	100.0%

## SEPTIC TRENCH DESIGN INFORMATION

Proposed 4 Bedroom House  
Application Rate = Initial system = 1.2  
1st replacement system = 1.2  
2nd replacement system = 0.8  
Effective area beginning depth = 3.5, Initial system.  
3.8, 1st repl. system.  
3.7 2nd repl. system.  
Design flow = 150 gallons per day (gpd) per bedroom  
Design flow = 4 x 150 = 600 gpd.  
Initial System  
Square footage of trench required: Initial = 600 gpd / 1.2 = 500 sf.  
Linear length of trench required = 500 sf / 2' (wide of trench) = 250 lf.  
Linear length of trench (depth adjusted = 250' x 0.4 = 100.0 lf  
Width of trench = 2 x 3.5 + 2.0' = 9.0' edge to edge  
Invert at initial trench.....547.30  
or to meet existing trench (gravity)  
1st Replacement System  
Square footage of trench required = 600 gpd / 1.2 = 500 sf.  
Linear length of trench required = 500 sf / 2' (wide of trench) = 250 lf.  
Linear length of trench (depth adjusted = 250' x 0.4 = 100.0 lf  
Width of trench = 2 x 3.8 + 2.0' = 9.6' edge to edge  
Invert at 1st replacement trench.....543.70  
2nd Replacement System  
Square footage of trench required = 600 gpd / 0.8 = 750 sf.  
Linear length of trench required = 750 sf / 2' (wide of trench) = 375 lf.  
Linear length of trench (depth adjusted = 375' x 0.4 = 150.0 lf  
Width of trench = 2 x 3.7 + 2.0' = 9.4' edge to edge  
Invert at 2nd replacement trench.....542.10

## SEPTIC NOTES:

- Any changes to the locations of 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 septic tank is 3.0 feet. Greater earth cover will require a heavy load bearing tank.
- Electrical work for the installation must be performed by a licensed electrician. (If required).
- The well (tag # HO-81-2397) has been field located and is accurately shown.
- All wells and septic systems located within 100' of the property boundaries and 200' down gradient of any wells and/or septic systems have been shown.

## OWNER / DEVELOPER / APPLICANT

Harsha P. Dissanayake & Devinka D. Puswella  
13080 Williamsfield Drive  
Ellicott City, MD 21042

Phone: 443-742-1139

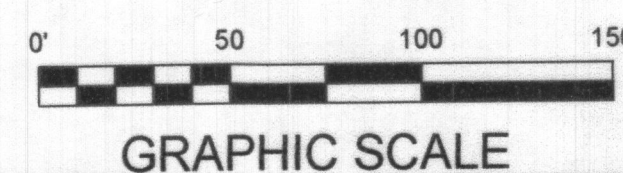
Email: prasad.dissanayake@tideh2o.net

## MDE Sewage Area Statement

This area designate a private sewage disposal area as required by The Maryland Department of Environment for individual sewage disposal; Improvement of any nature in this area are restricted. 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 easement. Recordation of a revised sewage easement shall not be necessary.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS

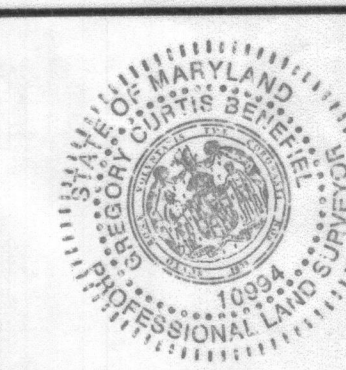
Health Officer, Howard County Health Department Date



I HEREBY 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.

Aug. 4, 2022  
DATE

GREGORY C. BENEFIELD  
REGISTERED PROFESSIONAL  
LAND SURVEYOR MD. No. 10994  
LICENSE EXP. AUG. 8, 2024



## PERCOLATION CERTIFICATION PLAN

FOR GARAGE AND DRIVEWAY ADDITION  
13080 Williamsfield Drive

**DISSANAYSKE & PUSWELLA PROPERTY**

(3rd) Election District  
Howard County, Maryland

SCALE	DESIGNER	CHECKED BY
1" = 50'	GB	GB
DATE	DRAFTER	FIELD BOOK
June, 2022	TB	
JOB NUMBER	SHEET NUMBER	FILE NUMBER
21-47	1 of 1	L - 566

## GENERAL NOTES:

- SITE ZONED: R-R DEO.
- AREA OF SITE: 232,653 SF. OR 5.841 ACRES.
- SITE IS LOCATED ON TAX MAP 22, GRID 04, PARCEL 300.
- SITE IS LOCATED ON ADC MAP PAGE 10, GRID 8-B.
- PROPERTY ACCOUNT NUMBER: 294579.
- WATER AND SEWER IS PRIVATE.
- OWNER/DEVELOPER/APPLICANT:  
Harsha P. Dissanayake & Devinka D. Puswella  
13080 Williamsfield Drive  
Ellicott City, MD 21042
- PROPERTY DESCRIPTION: DEED LIBER 19314 AT FOLIO 341.
- TOPOGRAPHY OBTAINED FROM HOWARD COUNTY RECORDS AND FIELD VERIFIED AND ADJUSTED BY SURVEY'S INC. JUNE 30, 2022.
- PROPERTY ADDRESS: 13080 Williamsfield Drive  
Ellicott City, Maryland 21042
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- THE TOPOGRAPHY OF THIS PLAN HAS BEEN FIELD SHOT BY SURVEY'S, INC. AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
- ANY ADJUSTMENTS/MODIFICATION TO THE EXISTING SEPTIC EASEMENT SHOWING AREA LOST AND AREA GAINED.
- THE LOT WAS CREATED AFTER MARCH 1972. AS PER LIBER 671 AT FOLIO 540 RECORDED MARCH 4TH, 1974.  
THE LOT WAS CREATED AFTER MARCH 1972. A MINIMUM AREA OF 10,000 SF. IS REQUIRED AS THE DESIGNATED SEPTIC RESERVE AREA.
- THE LOT WAS CREATED AFTER MARCH 1972. AS PER LIBER 671 AT FOLIO 540

THE PURPOSE OF THIS PLAN IS TO UPDATE THE EXISTING SEPTIC SYSTEM TO ACCOMMODATE THE PROPOSED ADDITION.

TOTAL DISTURBED AREA = 7,764 SF.

Known as Lot 16, "ROSE MARY ESTATES"

**SURVEYS, INC.**

SURVEYORS • ENGINEERS • LAND PLANNERS  
PERMIT SERVICES  
350 MAIN STREET  
LAUREL, MARYLAND, 20707  
PHONE 301-716-0761 • E-MAIL SURVEYS@GMAIL.COM

DATE	REVISION
07/29/2022	Health Dept. comments