

LOD LOD LIMIT OF DISTURBANCE UTILITY POLE -0-**EDGE OF PAVING** STREAM/CREEK EX. WOODSLINE SPECIFIC TREES PASSED PERCOLATION TEST HOLE SOILS LINE SEWAGE DISPOSAL AREA

EXISTING SEPTIC SYSTEM

25% SLOPE AND GREATER

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 = $4 \times 150 = 600$ gpd. Initial System (existing trench)
Square footage of trench required: Initial = 600 gpd / 1.2 = 500 sf.

Linear length of trench required = 500 sf / 2' (width of trench) = 250 lf. Linear length of trench (depth adjusted = 250' x 0.4 = 100.0 lf Width of trench = $2 \times 3.5 + 2.0' = 9.0'$ edge to edge Invert at initial trench (existing)....

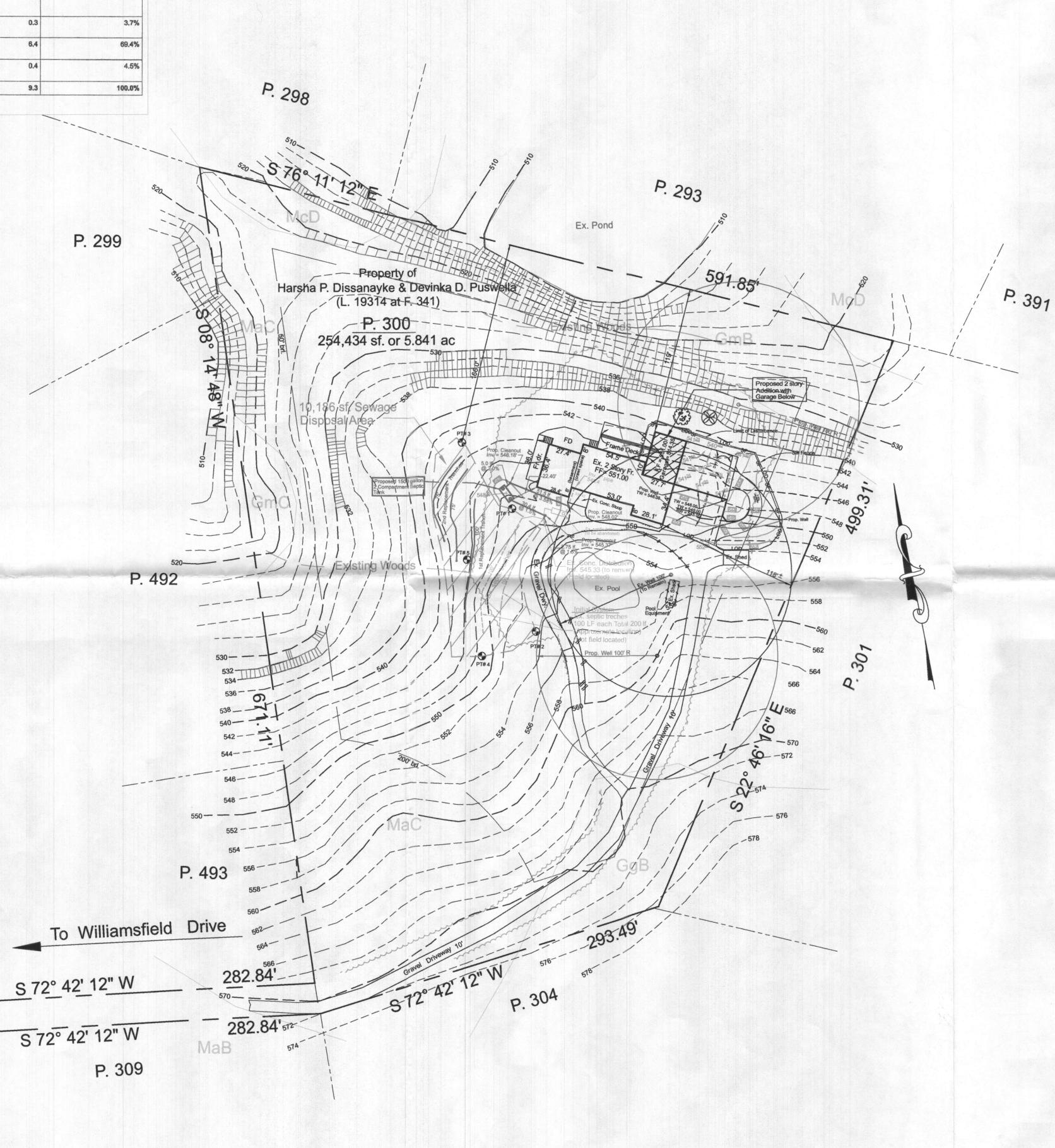
1st Replacement System (existing trench) Square footage of trench required = 600 gpd / 1.2 = 500 sf.
Linear length of trench required = 500 sf / 2' (width of trench) = 250 lf. Linear length of trench (depth adjusted = 250' x 0.4 = 100.0 lf Width of trench = $2 \times 3.8 + 2.0' = 9.0'$ edge to edge Invert at 1st replacement trench......544.17

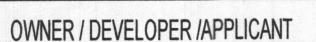
2nd Replacement System

Square footage of trench required = 600 gpd / 0.8 = 750 sf. Linear length of trench required = 750 sf / 2' (width of trench) = 375 lf. Linear length of trench (depth adjusted = 375 x 0.4 = 150.0 lf Width of trench = $2 \times 3.7 + 2.0' = 9.4'$ edge to edge Invert at 2nd replacement trench......

Map Unit Legend (Rose Mary Estates)

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|-----------------------------|--|--------------|----------------|
| GgB | Glenelg loam, 3 to 8 percent slopes | 0.5 | 5.2% |
| 3mB | Glenville silt loam, 3 to 8 percent slopes | 1.3 | 13.8% |
| GmC | Glenville silt loam, somewhat poorly drained, 8 to 15 percent slopes | 0.3 | 3.5% |
| МаВ | Manor loam, 3 to 8 percent slopes | 0.3 | 3.7% |
| VaC | Manor loam, 8 to 15 percent slopes | 6.4 | 69.4% |
| McD | Manor loam, 15 to 25 percent slopes, very rocky | 0.4 | 4.5% |
| Totals for Area of Interest | | 9.3 | 100.0% |





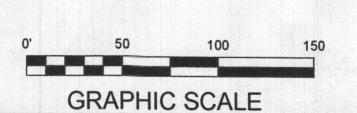
Harsha P. Dissanayake & Devinka D. Puswella 13080 Williamsfield Drive Ellicott City, MD 21042

Phone: 443-742-1139 Email: prasad.dissanayake@tideh2o.net

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.

N 11° 22' 55" W 25.25'

MDE Sewage Area Statement

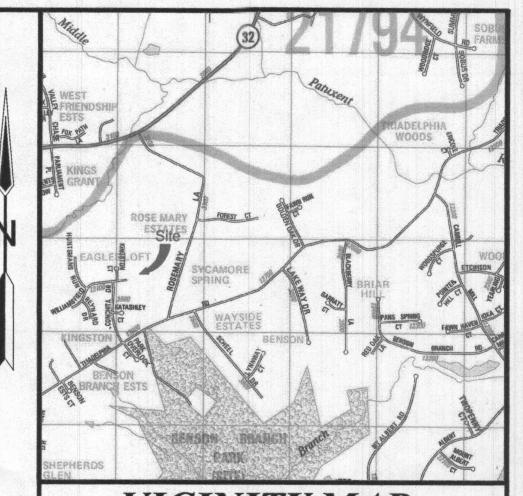


APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS Health Officer, Howard County Health Department

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.

Nov. 10, 2022 DATE

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



VICINITY MAP

SCALE = 1" = 2000'

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GENERAL NOTES:

- 1. SITE ZONED: R-R DEO.
- 2. AREA OF SITE: 232,653 SF. OR 5.841 ACRES
- 3. SITE IS LOCATED ON TAX MAP 22, GRID 04, PARCEL 300.
- 4. SITE IS LOCATED ON ADC MAP PAGE 10, GRID 8-B. 5. PROPERTY ACCOUNT NUMBER: 294579.
- 6. WATER AND SEWER IS PRIVATE.
- 7. OWNER/DEVELOPER/APPLICANT
 - Harsha P. Dissanayake & Devinka D. Puswella 13080 Williamsfield Drive
- Ellicott City, MD 21042
- 8. PROPERTY DESCRIPTION: DEED LIBER 19314 AT FOLIO 341.
- 9. TOPOGRAPHY OBTAINED FROM HOWARD COUNTY RECORDS AND FIELD
- VERIFIED AND ADJUSTED BY SURVEY'S INC. JUNE 30, 2022.
- 10. PROPERTY ADDRESS: 13080 Williamsfield Drive Ellicott City, Maryland 21042
- 11. 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. 12. THE TOPOGRAPHY OF THIS PLAT HAS BEEN FIELD SHOT BY SURVEY'S, INC. AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT SEPTIC DISPOSAL AND AREA OF DISTURBANCES.
- SHOWING AREA LOST AND AREA GAINED. 14. THE LOT WAS CREATED AFTER MARCH 1972. AS PER LIBER 671 AT FOLIO 540

13. ANY ADJUSTMENTS/MODIFICATION TO THE EXISTING SEWAGE DISPOSAL AREA

- RECORDED MARCH 4TH, 1974. -THE LOT WAS CREATED AFTER MARCH 1972, A MINIMUM AREA OF 10,000 SF. IS REQUIRED AS THE DESIGNATED SEWAGE DISPOSAL AREA.
- 15. SEPTIC SYSTEM TO BE INSTALLED PRIOR TO BUILDING PERMIT ISSUANCE. 16. THIS PLAN IS UTILIZING THE ALREADY APPROVED AND EXISTING SEPTIC SYSTEM FOR THE INITIAL TRENCH. THE EXISTING 1000 GALLON TANK WILL BE ABANDONED AND NEW 1500 GALLON 2 COMPARTMENT TANK TO BE INSTALLED AND UTILIZING THE EXISTING DISTRIBUTION BOX OR REPACEMENT

DISTRIBUTION BOX AS PER THE HEALTH DEPARTMENT DISCRETION.

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

TOTAL DISTURBED AREA = 7,764 SF.

Known as Lot 16, "ROSE MARY ESTATES"

SURVEYORS * ENGINEERS * LAND PLANNERS PERMIT SERVICES 350 MAIN STREET LAUREL, MARYLAND, 20707

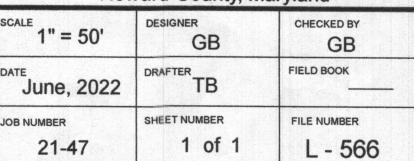
PHONE 301-716-0561 * E-MAIL SURVEYSINCI@VERIZON.NET

| REVISION | | |
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| Health Dept. comments | | |
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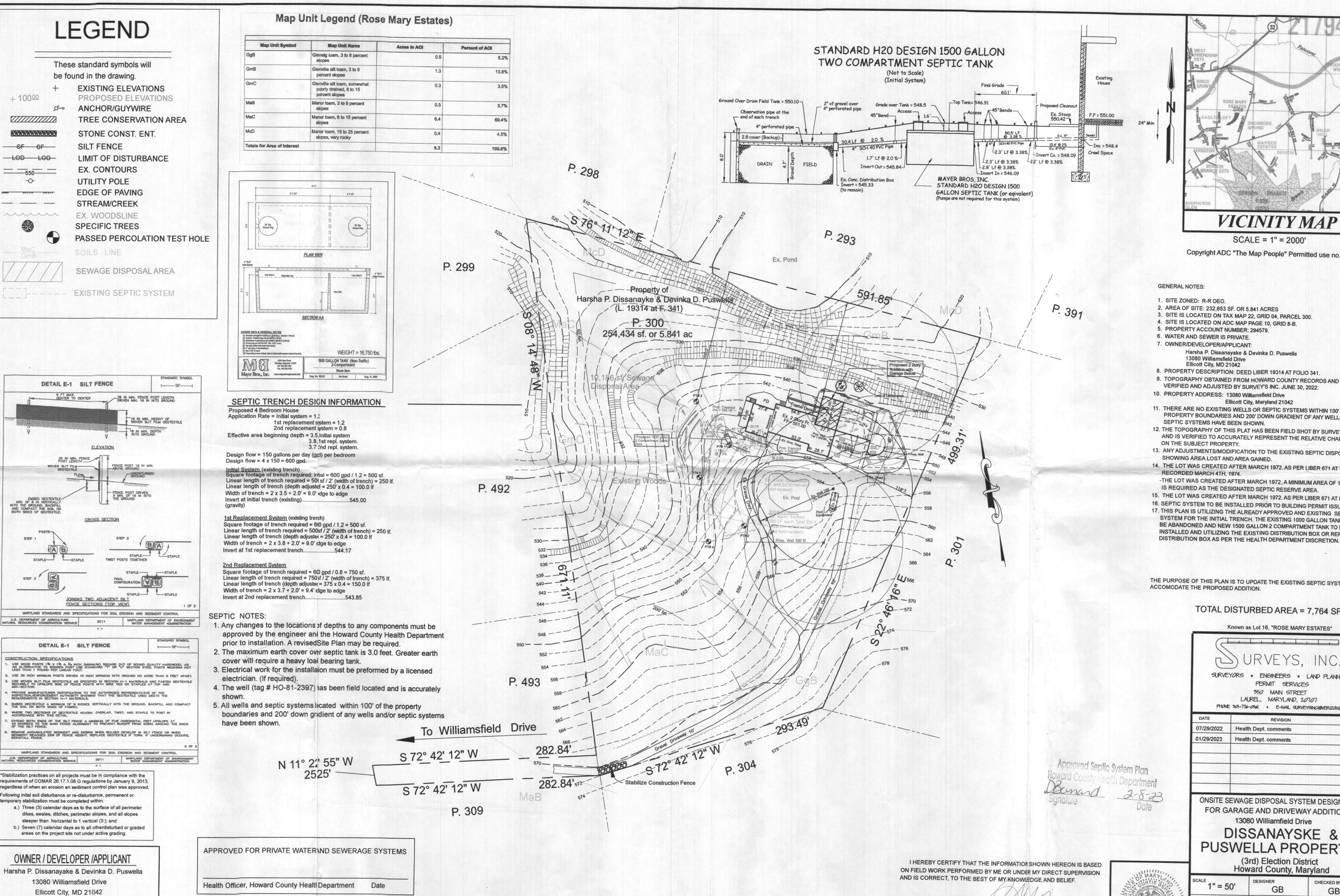
PECOLATION CERTIFICATION PLAN FOR GARAGE AND DRIVEWAY ADDITION 13080 Williamfield Drive

DISSANAYSKE & **PUSWELLA PROPERTY**

(3rd) Election District Howard County, Maryland







GRAPHIC SCALE

CALL "MISS UTILITY" TELEPHONE NUMBER 1-800-27-7777

FOR UTILITY LOCATIONS AT LEAST 48 HOURS BERRE

BEGINING CONSTRUCTION.

Phone: 443-742-1139

Email: prasad.dissanayake@tideh2o.net

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PERMIT SERVICES 350 MAIN STREET

LAUREL, MARYLAND, 20707 PHONE 301-776-056 * E-MAIL SURVEYSINGIEVERIZONNET

Health Dept. comments 01/29/2023 Health Dept. comments

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN FOR GARAGE AND DRIVEWAY ADDITION 13080 Williamfield Drive

DISSANAYSKE & **PUSWELLA PROPERTY**

(3rd) Election District Howard County, Maryland

1" = 50' GB FIELD BOOK Jan, 2023 SHEET NUMBER FILE NUMBER 1 of 2 L - 566

Jan. 30, 2023

GREGORY C. BENEFIEL

REGISTERED PROFESSIONAL

LAND SURVEYOR, MD No. 10994

LICENSE EXP. AUG. 8, 2024

