

LEGEND

These standard symbols will be found in the drawing.

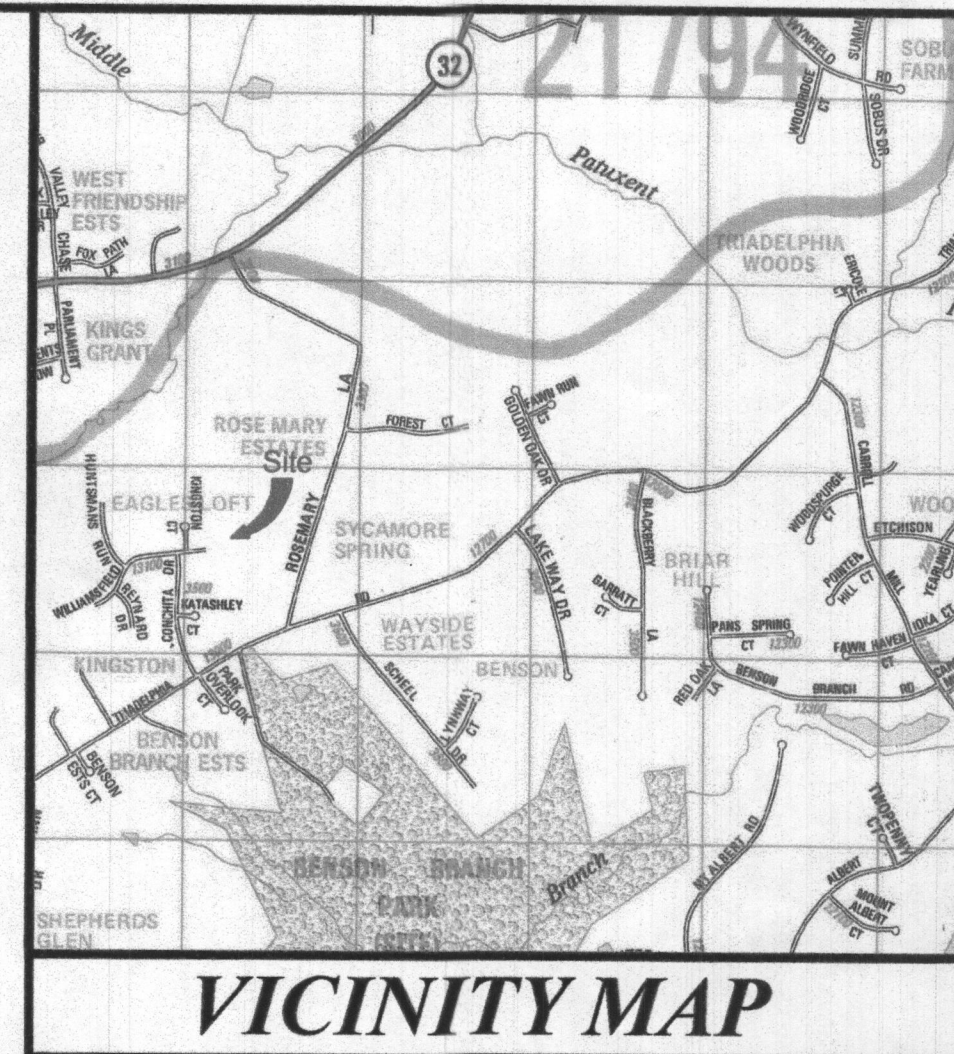
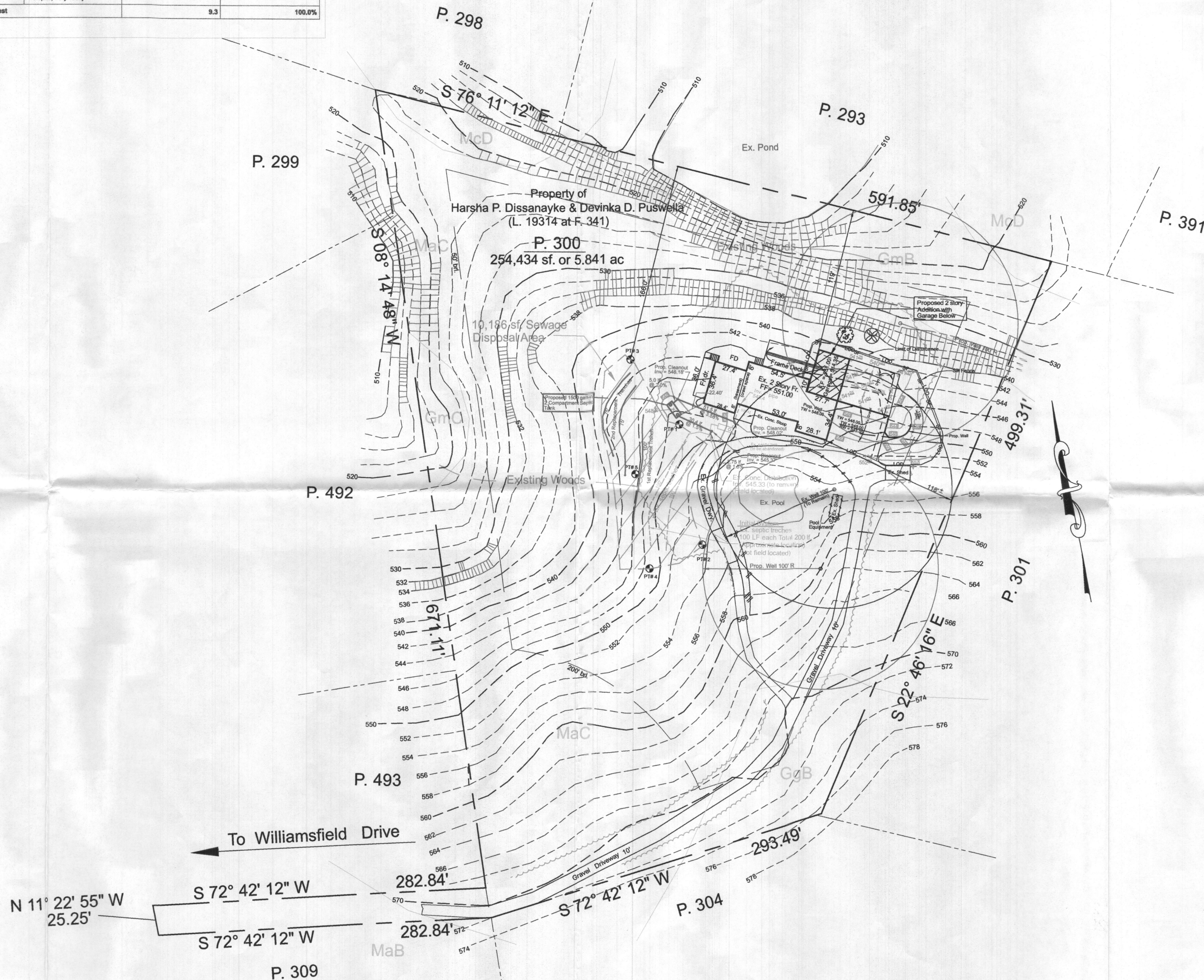
- 100.00+
+ 100.00
- EXISTING ELEVATIONS
PROPOSED ELEVATIONS
ANCHOR/GUYWIRE
TREE CONSERVATION AREA
STONE CONST. ENT.
SILT FENCE
LIMIT OF DISTURBANCE
EX. CONTOURS
UTILITY POLE
EDGE OF PAVING
STREAM/CREEK
EX. WOODSLINE
SPECIFIC TREES
PASSED PERCOLATION TEST HOLE
SOILS LINE
SEWAGE DISPOSAL AREA
EXISTING 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 x 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 x 3.5 + 2.0' = 9.0' edge to edge
Invert at initial trench (existing).....545.00 (gravity)
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 x 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 x 3.7 + 2.0' = 9.4' edge to edge
Invert at 2nd replacement trench.....543.85

Map Unit Legend (Rose Mary Estates)

Map Unit Symbol	Map Unit Name	Acres In AOI	Percent of AOI
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%
MaC	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%



SCALE = 1" = 2000'

Copyright ADC "The Map People" Permitted use no. 20492158

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 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.
- ANY ADJUSTMENTS/MODIFICATION TO THE EXISTING SEWAGE DISPOSAL AREA 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 SEWAGE DISPOSAL AREA.
- SEPTIC SYSTEM TO BE INSTALLED PRIOR TO BUILDING PERMIT ISSUANCE.
- 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 REPLACEMENT DISTRIBUTION BOX AS PER THE HEALTH DEPARTMENT DISCRETION.

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 301-716-0766 • E-MAIL SURVEYS@AMERICANET

DATE	REVISION
07/29/2022	Health Dept. comments
09/13/2022	Health Dept. comments
11/10/2022	Health Dept. comments
01/03/2023	Health Dept. comments

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

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

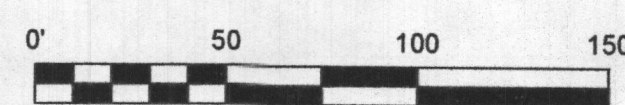
Health Officer, Howard County Health Department Date

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.

Nov. 10, 2022

DATE

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



GRAPHIC SCALE

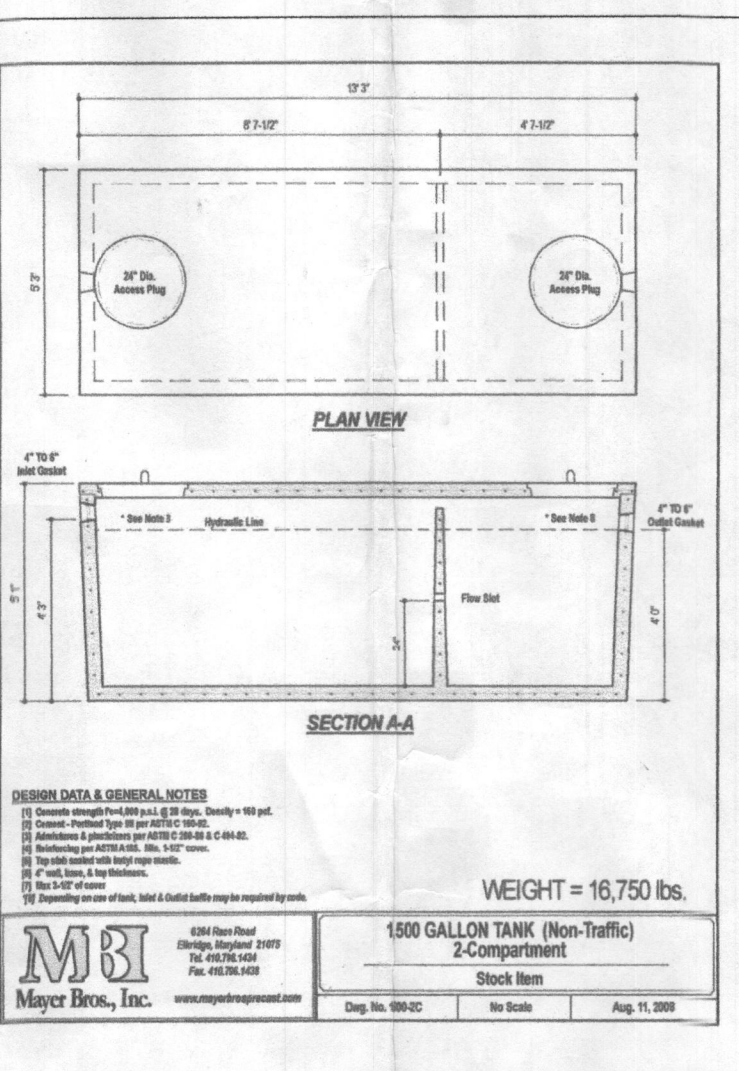
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- STONE CONST. ENT.
- SILT FENCE
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- EX. CONTOURS
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- EXISTING SEPTIC SYSTEM

Map Unit Legend (Rose Mary Estates)

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Totals for Area of Interest		8.3	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 (existing trench)

Square footage of trench required = Initial = 600 gpd / 1.2 = 500 sf.

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Square footage of trench required = 600 gpd / 0.8 = 750 sf.

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Invert at 1st replacement trench.....543.85

2nd Replacement System

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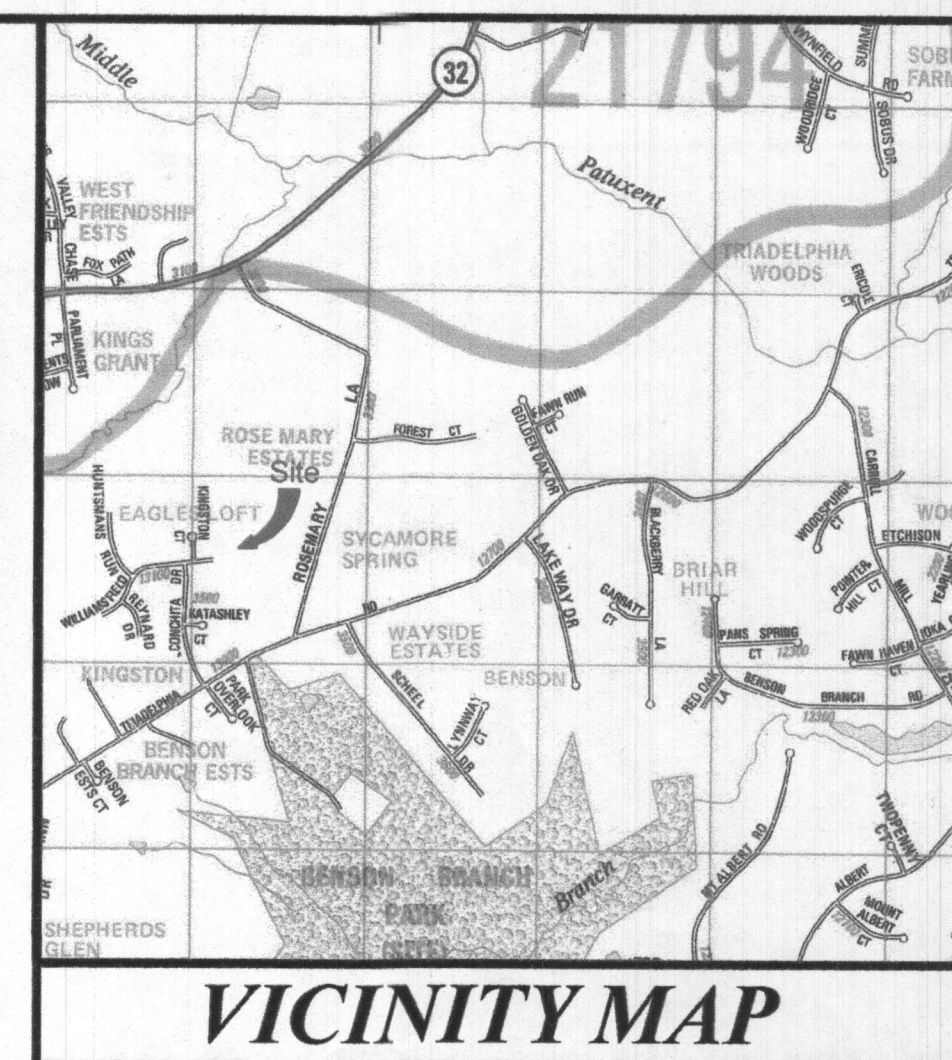
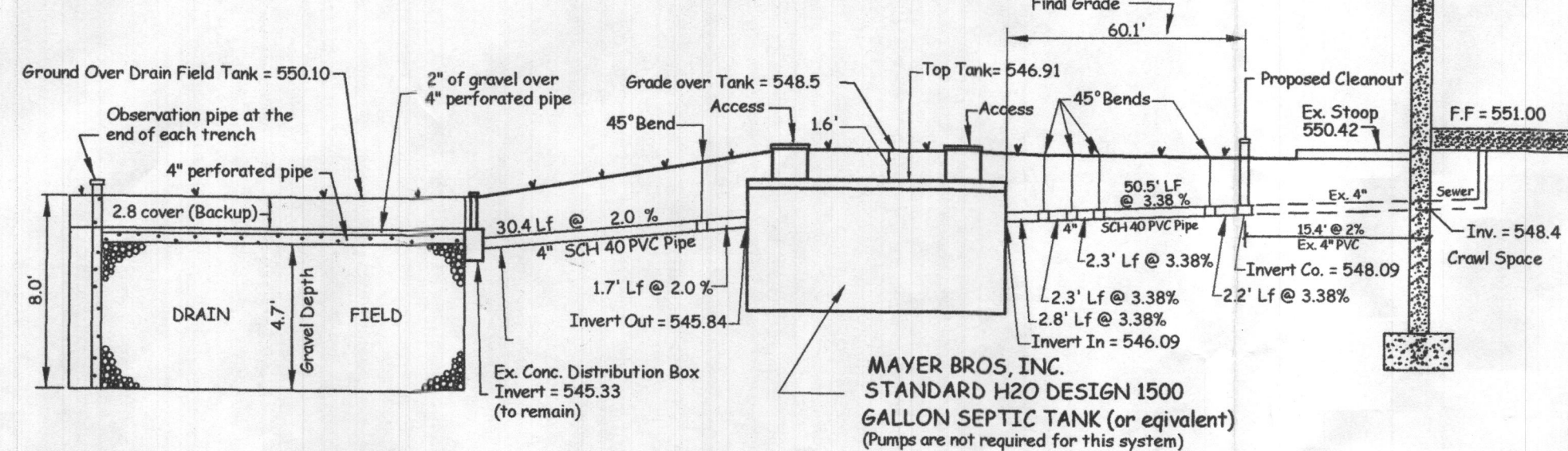
SEPTIC NOTES:

- 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.

STANDARD H2O DESIGN 1500 GALLON TWO COMPARTMENT SEPTIC TANK

(Not to Scale)

(Initial System)



SCALE = 1" = 2000'

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- OWNER/DEVELOPER/APPLICANT: Harsha P. Dissanayake & Devinka D. Puswella, 13080 Williamsfield Drive, Ellicott City, MD 21042
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TOTAL DISTURBED AREA = 7,764 SF.

Known as Lot 16, "ROSE MARY ESTATES"

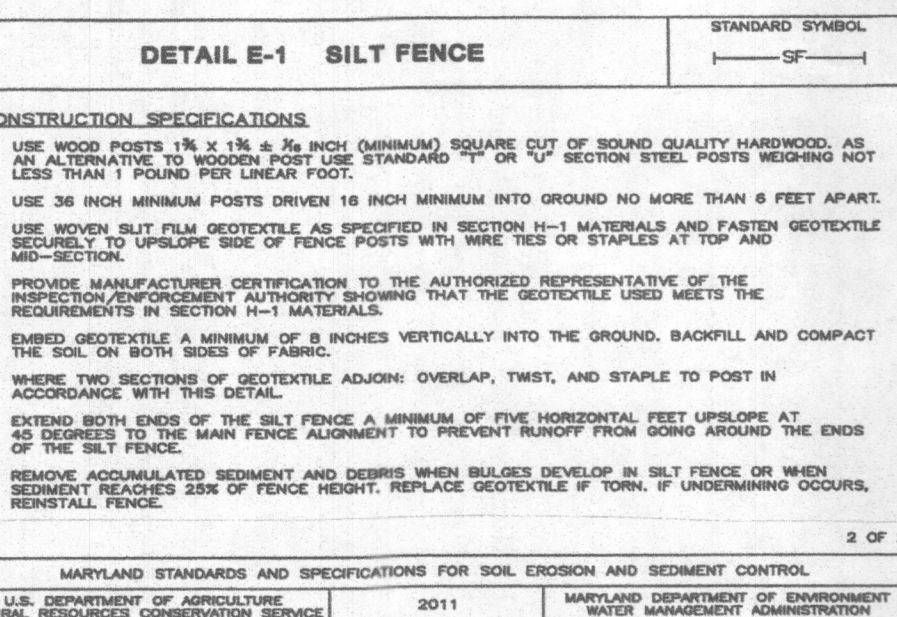
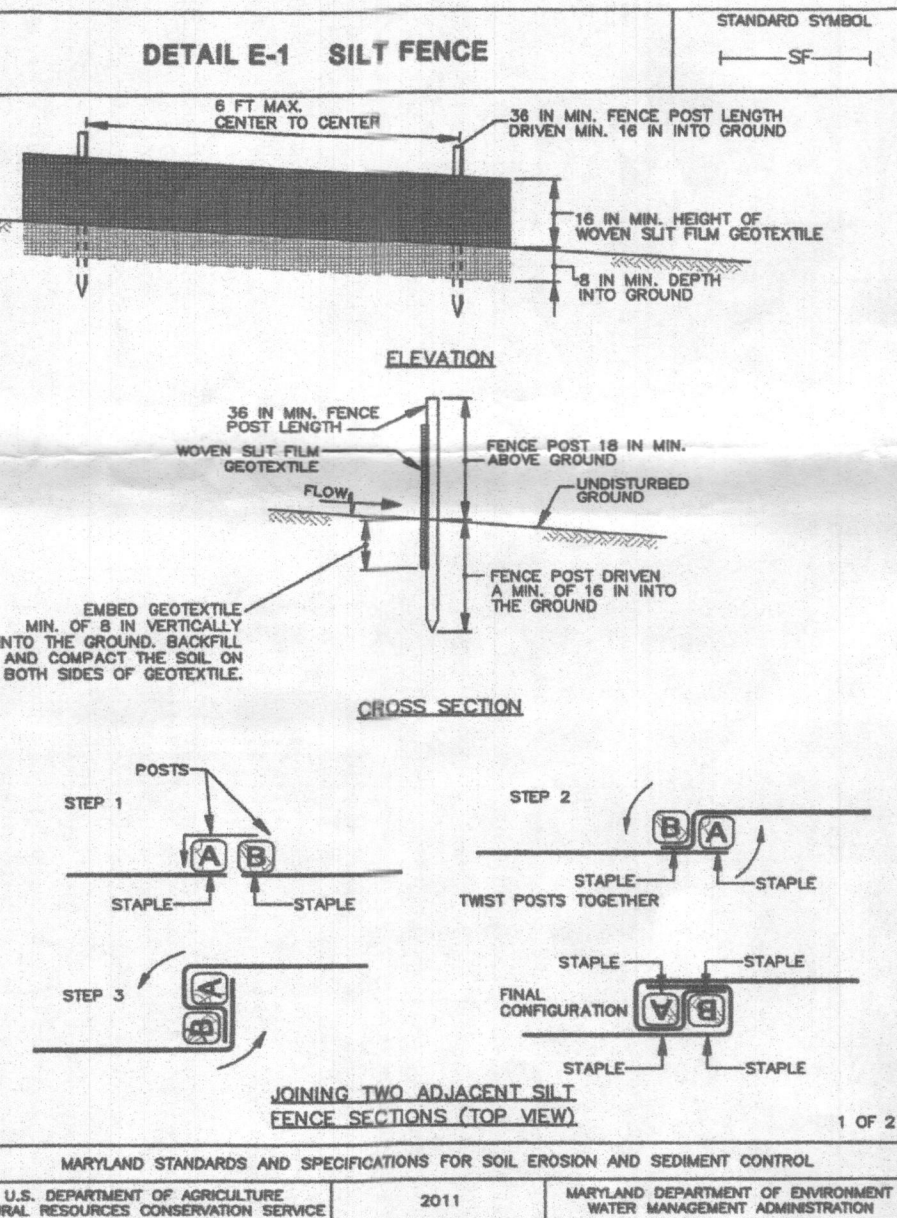
SURVEYS, INC.
SURVEYORS • ENGINEERS • LAND PLANNERS
PERMIT SERVICES
350 MAIN STREET
LAUREL, MARYLAND, 20707
PHONE 301-714-0941 • EMAIL SURVEYS@GMAIL.COM

DATE	REVISION
07/29/2022	Health Dept. comments
01/29/2023	Health Dept. comments

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN 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
Jan, 2023	TB	
JOB NUMBER	SHEET NUMBER	FILE NUMBER
21-47	1 of 2	L - 566



*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 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 (3:1); 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

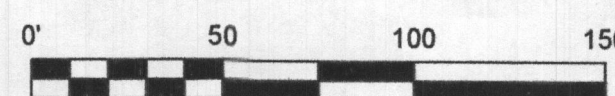
Phone: 443-742-1139

Email: prasad.dissanayake@tideh2o.net

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS

Health Officer, Howard County Health Department Date

CALL "MISS UTILITY" TELEPHONE NUMBER 1-800-257-7777
FOR UTILITY LOCATIONS AT LEAST 48 HOURS BEFORE
BEGINNING CONSTRUCTION.



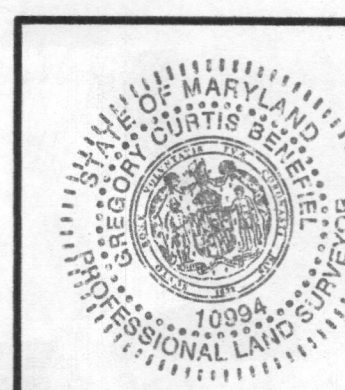
GRAPHIC SCALE

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Jan. 30, 2023

DATE

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



Approved Septic System Plan
Howard County Health Department
Signature: [Signature]
Date: 2-8-23

Harsha P. Dissanayake & Devinka D. Puswella
(L. 19314 at F. 341)

P. 300
254,434 sf. or 5.841 ac

10,186 sf. Sewage
Disposal Area

Proposed 1500 gallon
2 Compartment Septic
Tank

Existing Woods

Existing Woods

GmB

McD

Proposed 2 story
Addition with
Garage Below

Limit of Disturbance

Prop. Well 100' R

Silt Fence

Prop. Wall

Ex. Pool

Ex. Well 100'
(To Remain)

Ex. Shed

Pool
Equipment

Initial System
Ex. septic treches
100 LF each Total 200 LF
(Approximate location)
(not field located)

Prop. Well 100' R

671.1

499.31'

P. 301

6" E

OWNER / DEVELOPER / APPLICANT

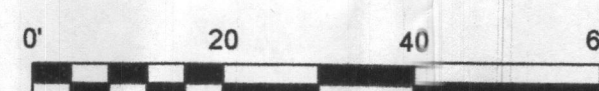
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APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS

Health Officer, Howard County Health Department Date

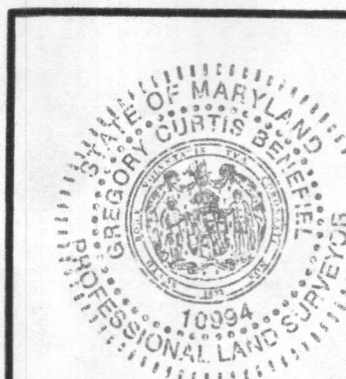


GRAPHIC SCALE

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AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF

Jan. 30, 2023
DATE

GREGORY C. BENEFIEL
REGISTERED PROFESSIONAL
LAND SURVEYOR, MD. No. 10984
LICENSE EXP. AUG. 8, 2024



ENLARGEMENT

SURVEYS, INC.
SURVEYORS • ENGINEERS • LAND PLANNERS
PERMIT SERVICES
350 MAIN STREET
LAUREL, MARYLAND, 20707
PHONE 301-714-0944 • E-MAIL SURVEYS@GIBBERZON.NET

DATE	REVISION

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

**DISSANAYSKE &
PUSWELLA PROPERTY**

(3rd) Election District
Howard County, Maryland

SCALE 1" = 20'	DESIGNER GB	CHECKED BY GB
DATE Jan. 2023	DRAFTER TB	FIELD BOOK
JOB NUMBER 21-47	SHEET NUMBER 2 of 2	FILE NUMBER L - 566

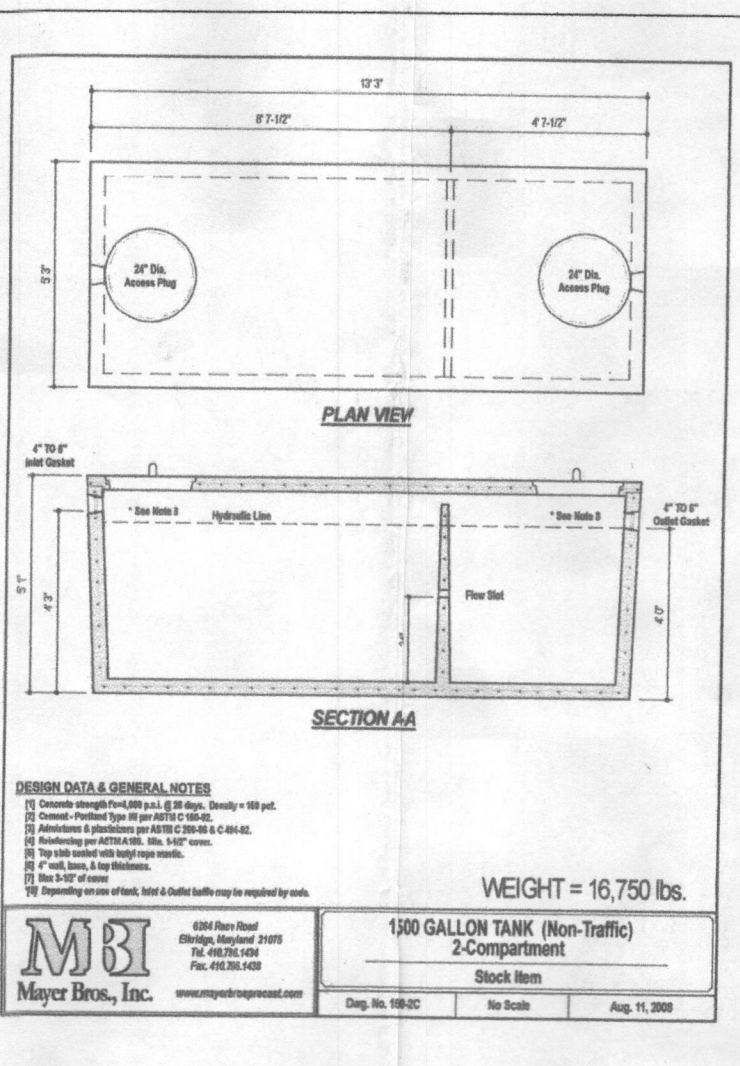
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- ANCHOR/GUYWIRE
- TREE CONSERVATION AREA
- STONE CONST. ENT.
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Map Unit Legend (Rose Mary Estates)

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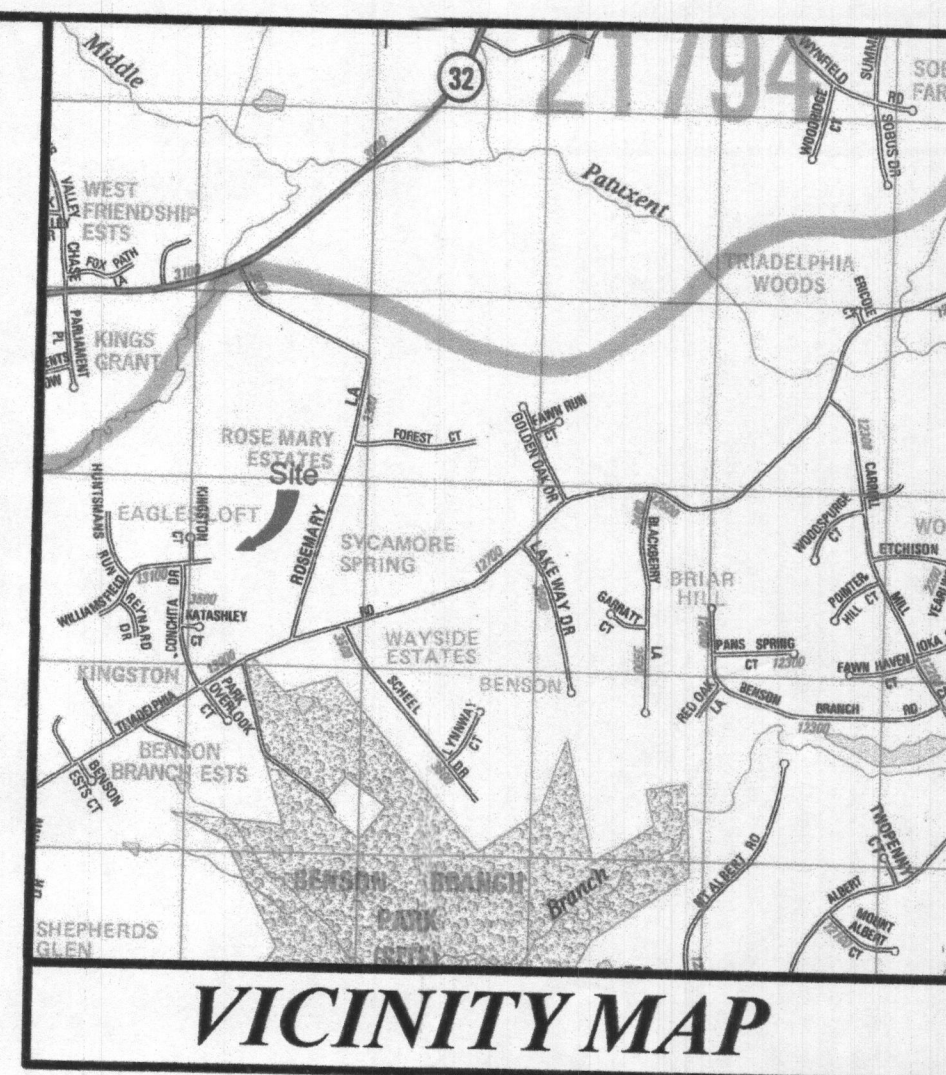
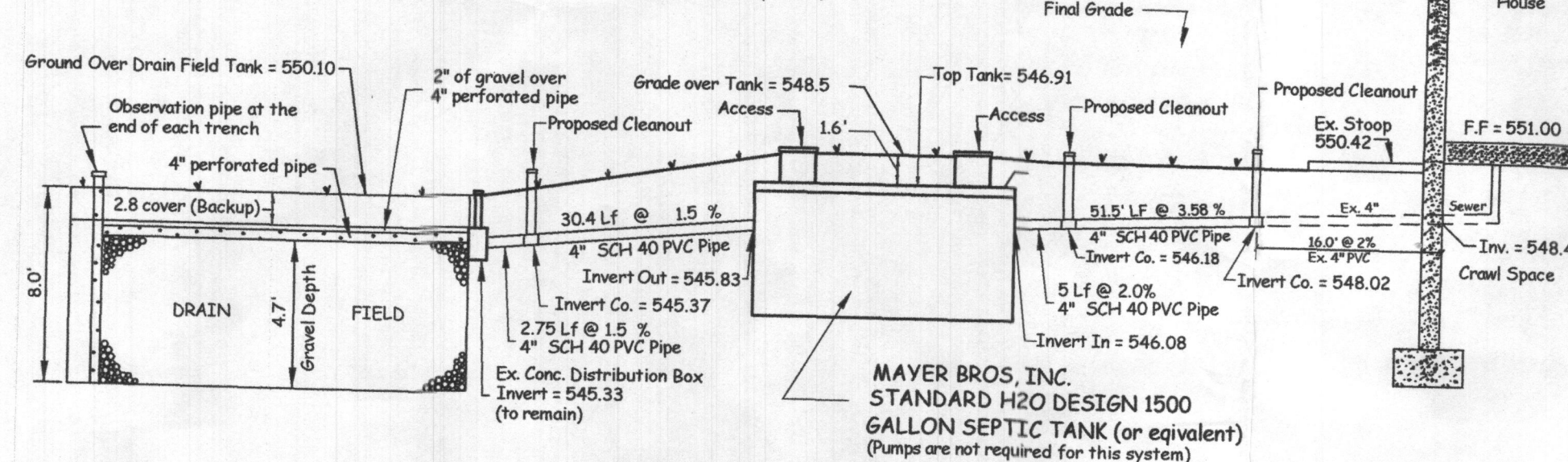
SEPTIC TRENCH DESIGN INFORMATION

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
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STANDARD H2O DESIGN 1500 GALLON TWO COMPARTMENT SEPTIC TANK (Not to Scale) (Initial System)



SCALE = 1" = 2000'
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- SEPTIC SYSTEM TO BE INSTALLED PRIOR TO BUILDING PERMIT ISSUANCE.
- 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 REPLACEMENT DISTRIBUTION BOX AS PER THE HEALTH DEPARTMENT DISCRETION.

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 301-716-6941 • E-MAIL SURVEYS@GMAIL.COM

DATE	REVISION
07/29/2022	Health Dept. comments

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN 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
Jan, 2023	TB	
JOB NUMBER	SHEET NUMBER	FILE NUMBER
21-47	1 of 2	L - 566

OWNER / DEVELOPER / APPLICANT

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

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

CALL "MISS UTILITY" TELEPHONE NUMBER 1-800-257-7777
FOR UTILITY LOCATIONS AT LEAST 48 HOURS BEFORE
BEGINNING CONSTRUCTION.

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.

Jan, 2023
DATE

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

