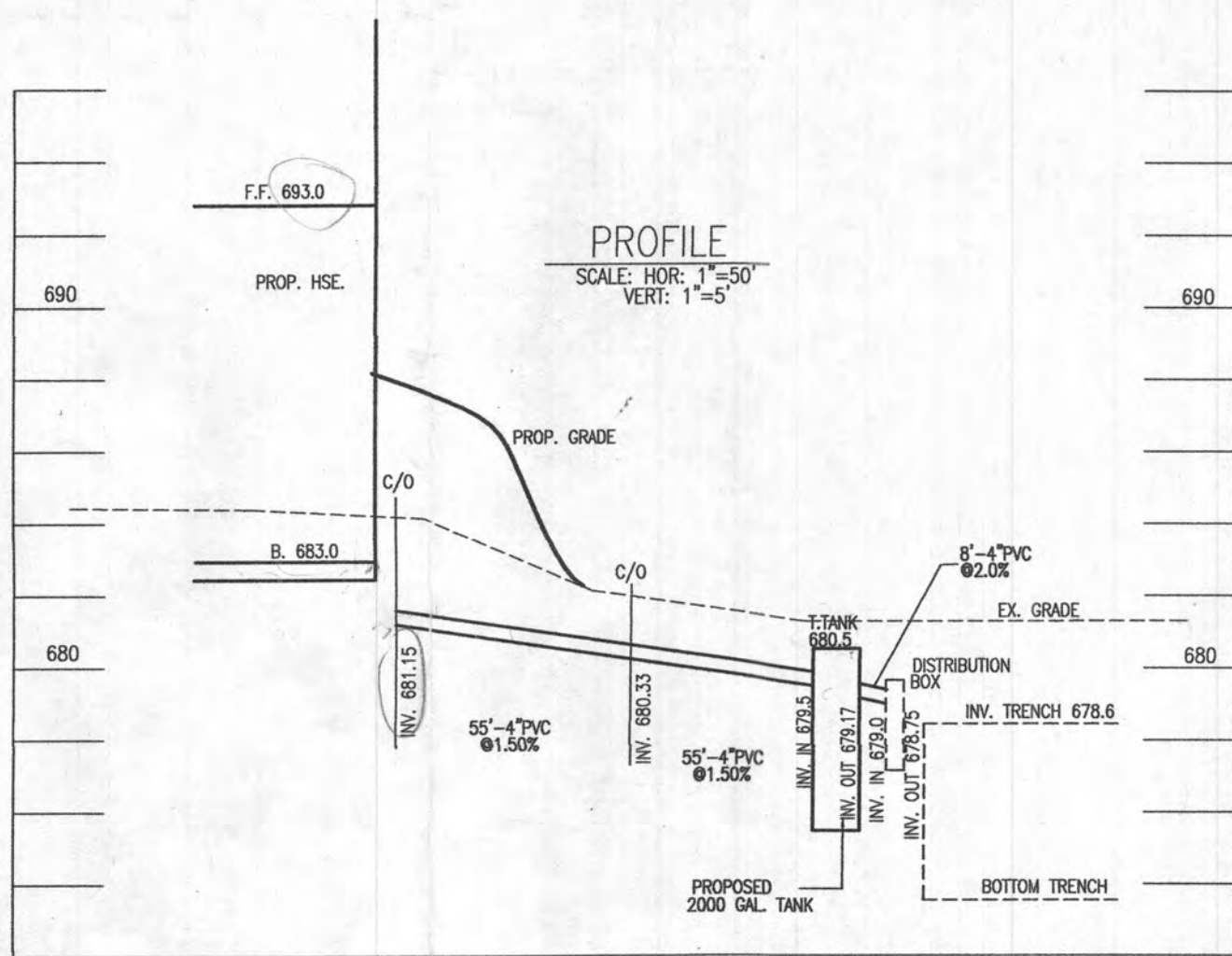
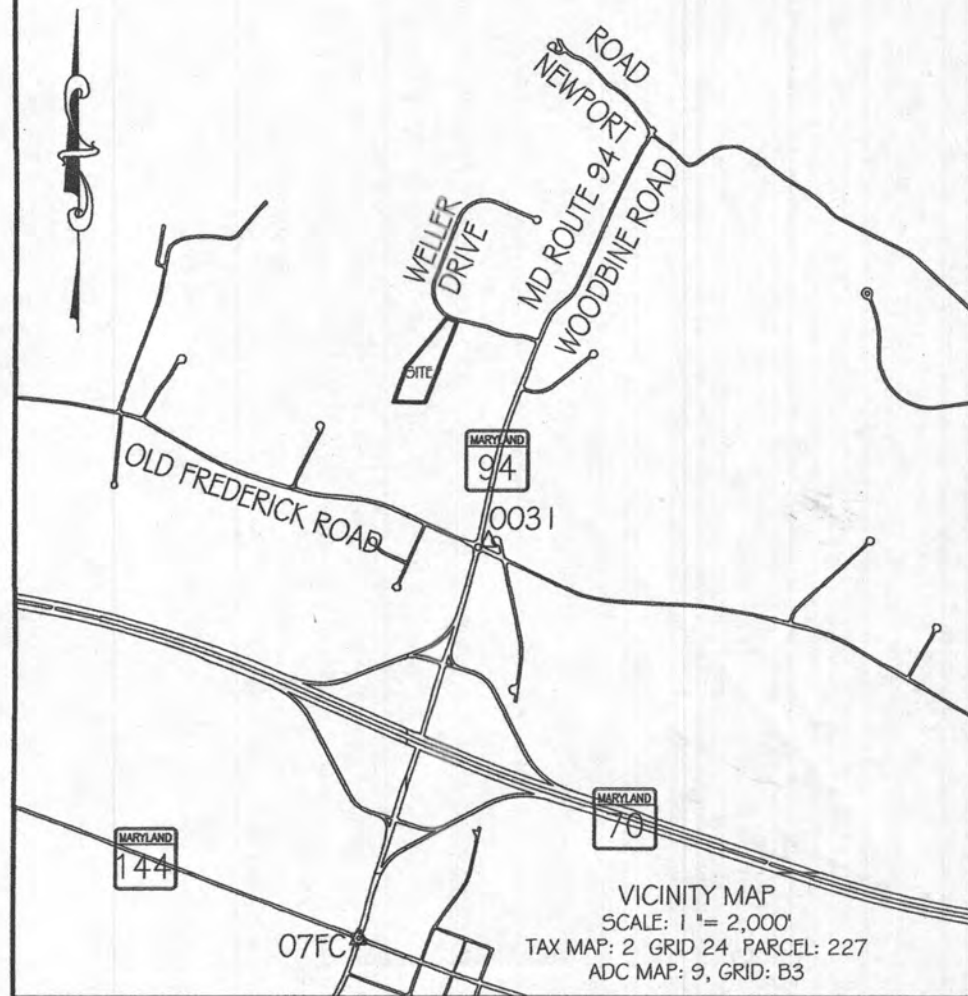




SOIL LEGEND					
MAP SYMBOL	MAPPING UNIT	HYDROLOGIC SOIL GROUP	HYDRIC? COMPONENTS	Kw	SLOPE
MaD	MANOR LOAM	B	NO	0.28	15-25%
GgC	GLENELG LOAM	B	NO	0.24	8-15%
HOWARD COUNTY SOILS MAP NO. 27					



GENERAL NOTES:

- TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
- THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
- ZONING DISTRICT: RC-DEO
- LIMIT OF DISTURBANCE (LOD) = 29,171 SQ.FT.
- THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.
- STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY N-2 NON-ROOFTOP DISCONNECTION AND M-6 MICRO-BIORETENTION

SEPTIC SYSTEM TRENCH DESIGN

INITIAL NUMBER OF BEDROOMS = 6
APPLICATION RATE = 0.8 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 6 BEDROOMS = 900 GPD
900 GPD / 0.8 GPD/sq.ft. = 1125 sq.ft.
1125 sq.ft. / 3 ft. WIDE TRENCH = 375 LF TRENCH
375 LF TRENCH X 0.50 REDUCTION CREDIT = 187.5 LF TRENCH
TRENCH T1-1 EX. GRD=681.6 -INV. TRENCH=678.6 -B. TRENCH=674.1
TRENCH T1-2 EX. GRD=680.0 -INV. TRENCH=677.5 -B. TRENCH=673.0
TRENCH T1-3 EX. GRD=678.0 -INV. TRENCH=675.5 -B. TRENCH=671.0

1st REPLACEMENT
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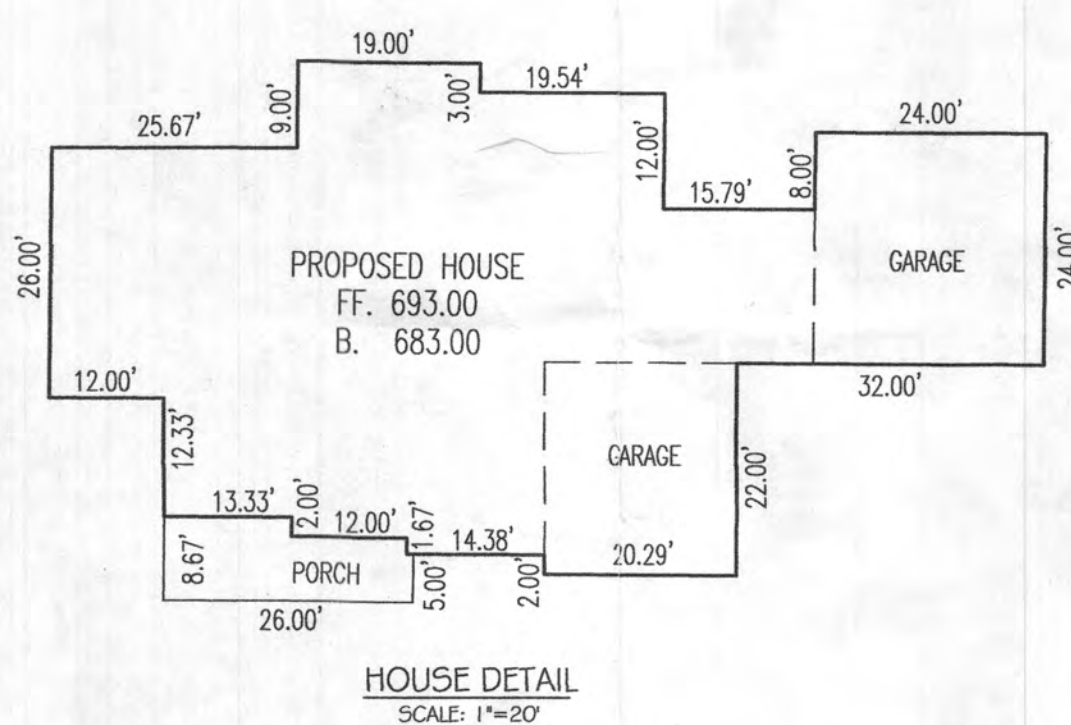
2nd REPLACEMENT
APPLICATION RATE = 0.6 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 6 BEDROOMS = 900 GPD
900 GPD / 0.6 GPD/sq.ft. = 1500 sq.ft.
1500 sq.ft. / 3 ft. WIDE TRENCH = 500 LF TRENCH
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TRENCH T3-1 EX. GRD=672.5 -INV. TRENCH=670.0 -B. TRENCH=665.5
TRENCH T3-2 EX. GRD=671.0 -INV. TRENCH=668.5 -B. TRENCH=664.0
TRENCH T3-3 EX. GRD=669.0 -INV. TRENCH=666.5 -B. TRENCH=662.0

SITE PLAN NOTES:

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- MAXIMUM COVER OVER THE TANK IS 3 FEET. GREATER DEPTH WILL REQUIRE A HEAVY LOAD BEARING TANK.
- ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- THE EX. WELL HO-20-0055 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.

THIS AREA DESIGNATES A 10,000 S.F. PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERSAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.

(PASSED) PERCOLATION TEST SITE:
(FAILED) PERCOLATION TEST SITE:
EX. WELL



Approved Septic System Plan
Howard County Health Department
Signature: [Signature] Date: 9/15/22

OWNER:
DEJANIE & CHARLOTTE SAVOY
12803 FOREST CREEK COURT
SYKESVILLE MD. 21784

PROFESSIONAL CERTIFICATION
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 18417, Expiration Date: 9-18-23.

DATE	REVISIONS
12/28/21	PER HD COMMENTS
07/28/22	HOUSE SITE, OWNER
08/28/22	PER HD COMMENTS



ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 16
PATAPSCO OVERLOOK
PLAT No. 6783
625 WELDER DRIVE

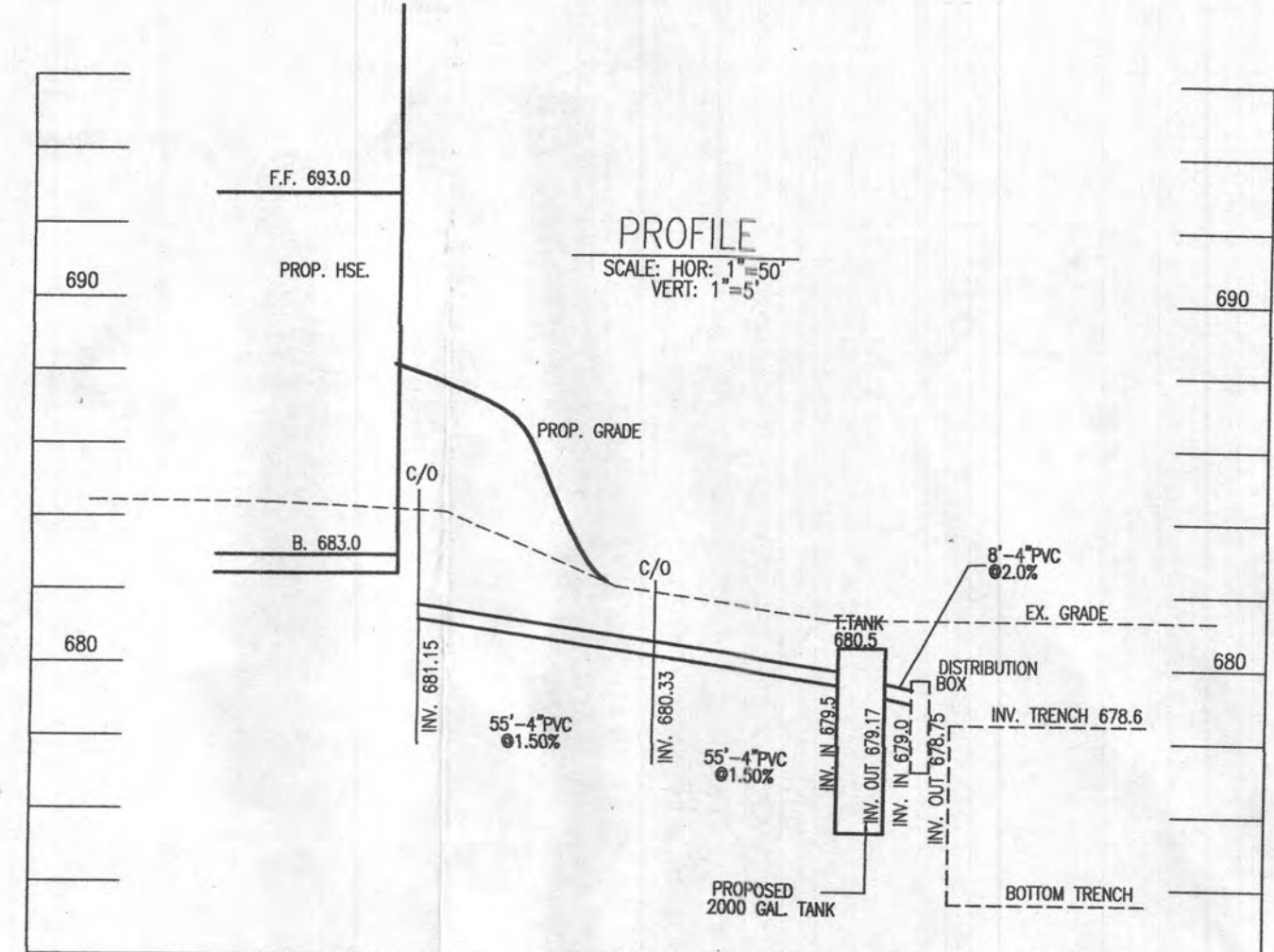
TAX MAP: 2
GRID NO: 24
PARCEL NO: 227
ELECTION DISTRICT: FOURTH
HOWARD COUNTY, MARYLAND
EX. ZONING: RC-DEO
SCALE: 1"=50'
DATE: NOVEMBER, 2021
SHEET 1 OF 1

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown

APPROVED
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

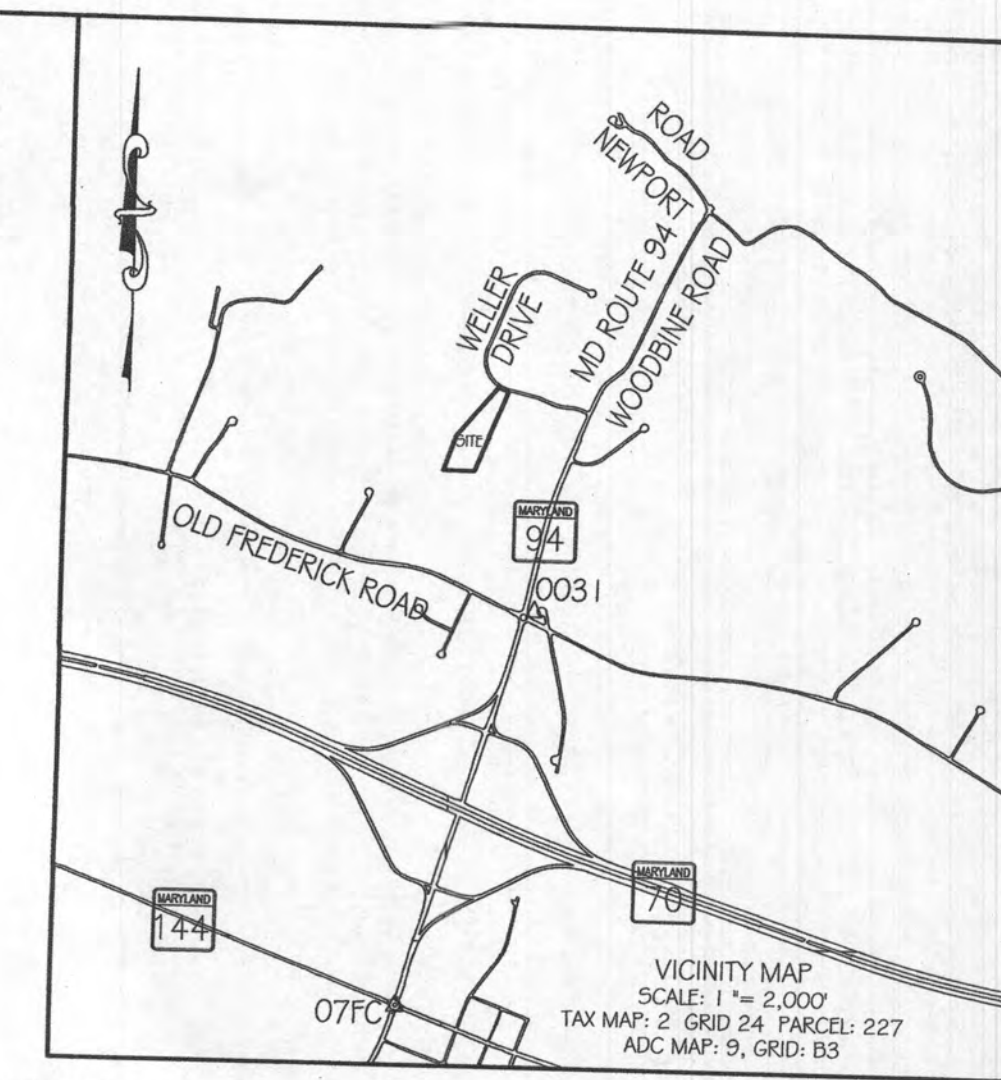
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE



SOIL LEGEND					
MAP SYMBOL	MAPPING UNIT	HYDROLOGIC SOIL GROUP	HYDROIC COMPONENTS	Kw	SLOPE
MaD	MANOR LOAM	B	NO	0.28	15-25%
GgC	GLENELG LOAM	B	NO	0.24	8-15%

HOWARD COUNTY SOILS MAP NO. 27



GENERAL NOTES:

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SEPTIC SYSTEM TRENCH DESIGN

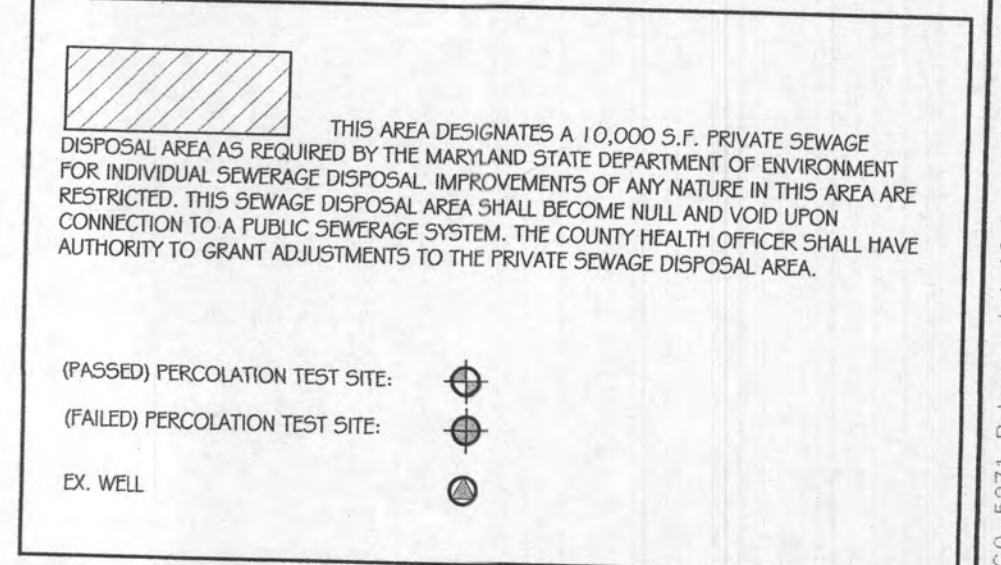
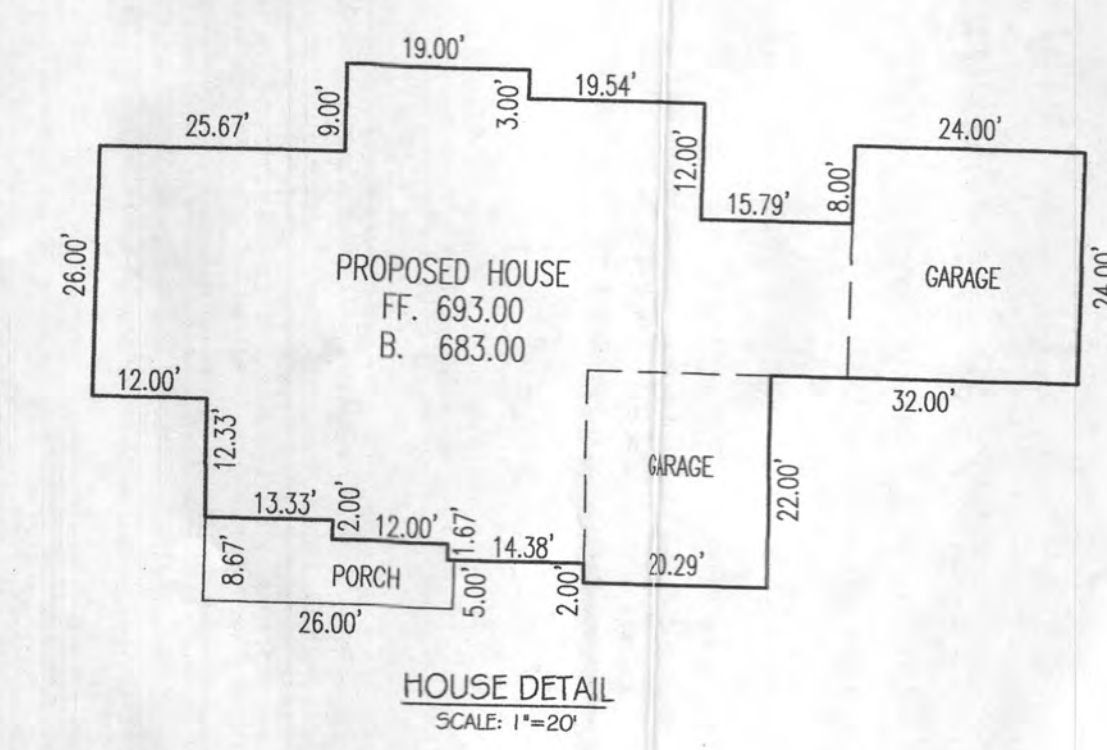
INITIAL NUMBER OF BEDROOMS = 6
APPLICATION RATE = 0.8 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 6 BEDROOMS = 900 GPD
900 GPD / 0.8 GPD/sq.ft. = 1125 sq.ft.
1125 sq.ft. / 3 ft. WIDE TRENCH = 375 LF TRENCH
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TRENCH T1-1 EX. GRD=681.6 -INV. TRENCH=678.6 -B. TRENCH=674.1
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1st REPLACEMENT
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TRENCH T2-2 EX. GRD=674.0 -INV. TRENCH=671.5 -B. TRENCH=667.0

2nd REPLACEMENT
APPLICATION RATE = 0.6 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 6 BEDROOMS = 900 GPD
900 GPD / 0.6 GPD/sq.ft. = 1500 sq.ft.
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TRENCH T3-1 EX. GRD=672.5 -INV. TRENCH=670.0 -B. TRENCH=665.5
TRENCH T3-2 EX. GRD=671.0 -INV. TRENCH=668.5 -B. TRENCH=664.0
TRENCH T3-3 EX. GRD=669.0 -INV. TRENCH=666.5 -B. TRENCH=662.0

SITE PLAN NOTES:

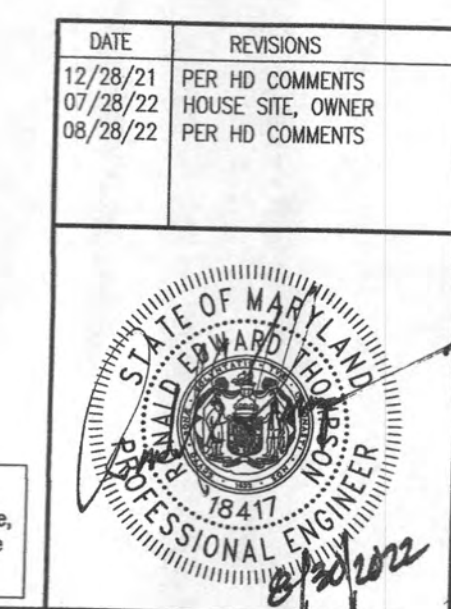
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Approved Septic System Plan
Howard County Health Department
Signature: [Signature]
Date: 9/15/22

OWNER:
DEJAUNE & CHARLOTTE SAVOY
12803 FOREST CREEK COURT
SYKESVILLE MD. 21784

PROFESSIONAL CERTIFICATION
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 18412, Expiration Date: 8-18-23.



ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 16
PATAPSCO OVERLOOK
PLAT No. 6783
625 WELLER DRIVE

TAX MAP: 2
GRD NO: 227
PARCEL NO: 227

ELECTION DISTRICT: FOURTH
HOWARD COUNTY, MARYLAND
EX. ZONING: RCDEO

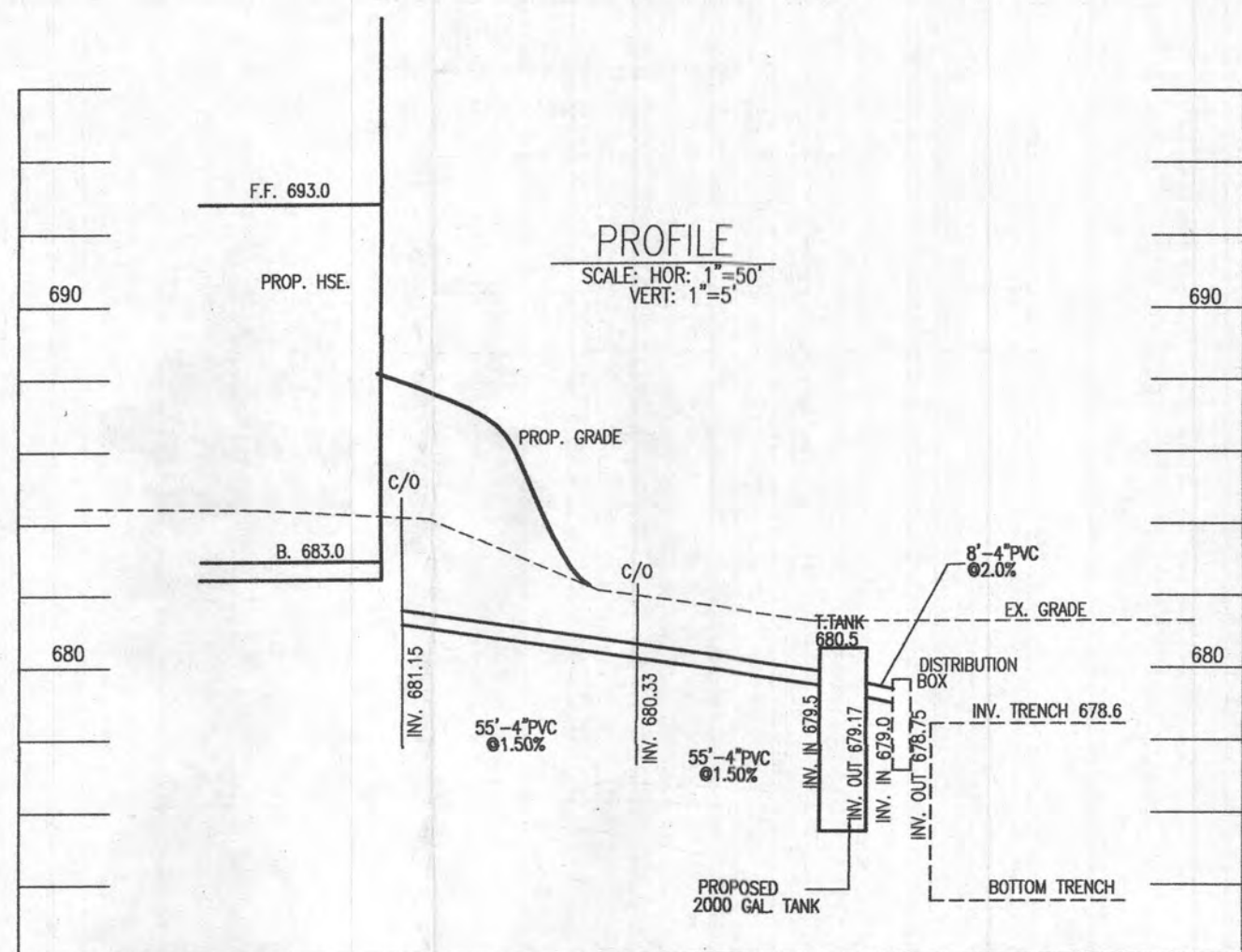
SCALE: 1"=50'
DATE: NOVEMBER, 2021
SHEET 1 OF 1

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown

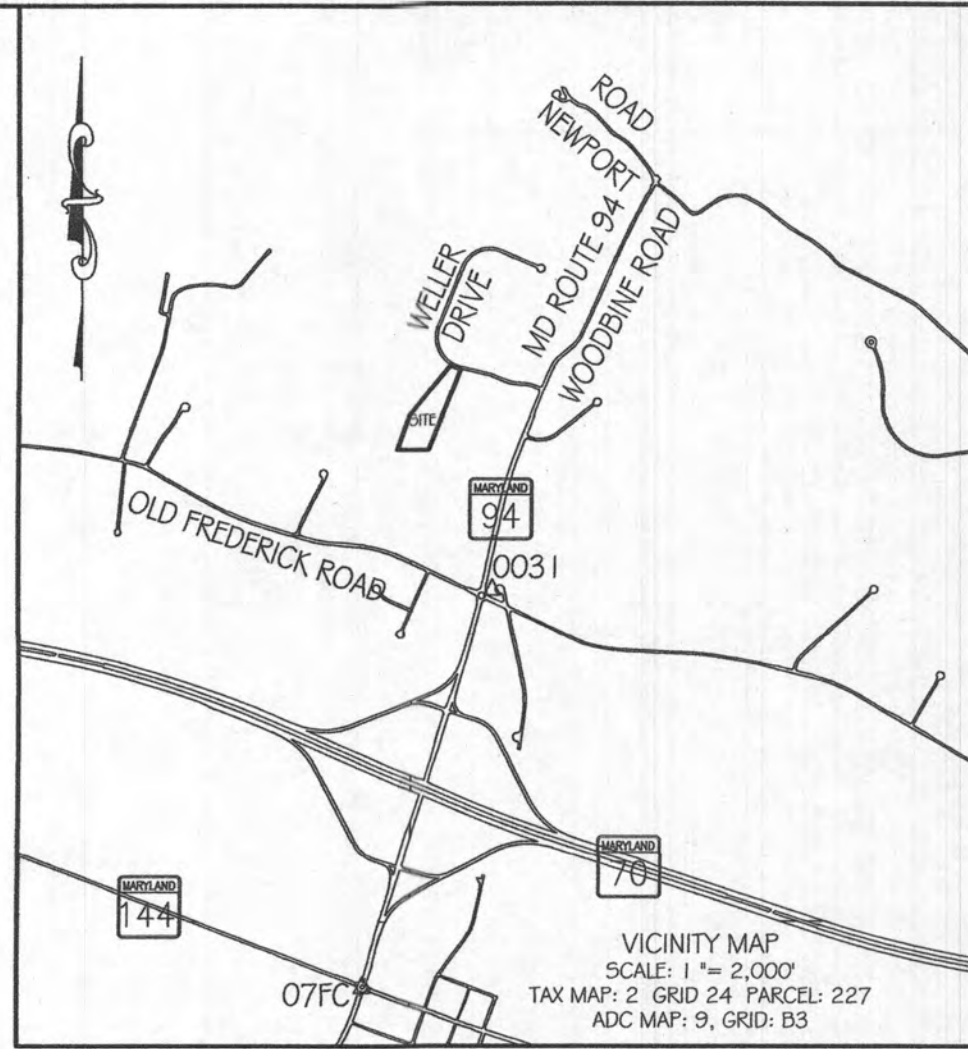
APPROVED
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE



SOIL LEGEND					
MAP SYMBOL	MAPPING UNIT	HYDROLOGIC SOIL GROUP	HYDRIC? COMPONENTS	Kw	SLOPE
MaD	MAJOR LOAM	B	NO	0.26	15-25%
GgC	GLENELG LOAM	B	NO	0.24	8-15%
HOWARD COUNTY SOILS MAP NO. 27					



GENERAL NOTES:

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SEPTIC SYSTEM TRENCH DESIGN

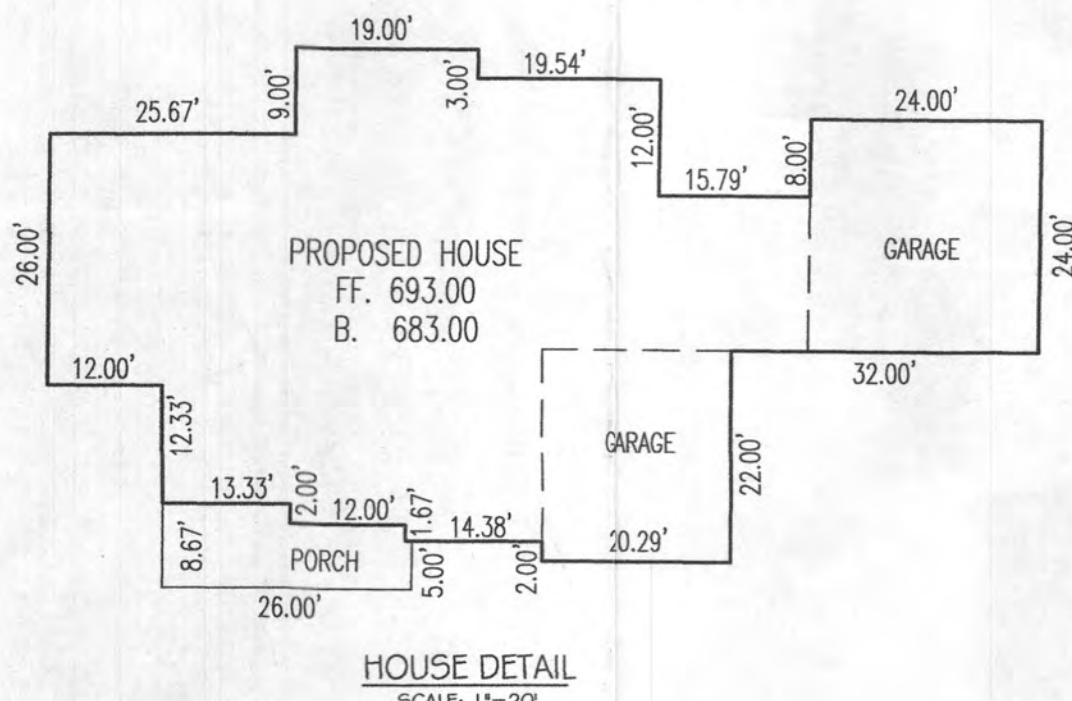
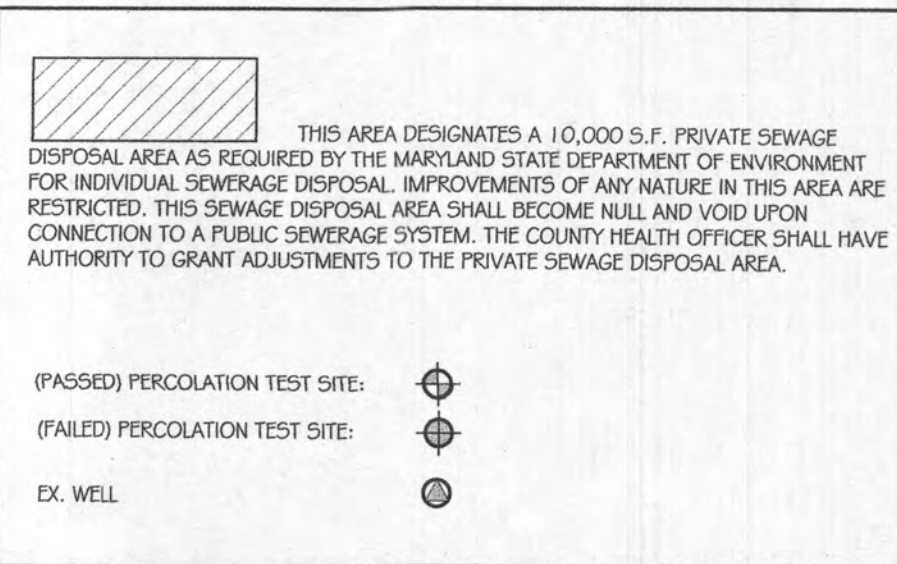
INITIAL NUMBER OF BEDROOMS = 6
APPLICATION RATE = 0.8 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 6 BEDROOMS = 900 GPD
900 GPD / 0.8 GPD/sq.ft. = 1125 sq.ft.
1125 sq.ft. / 3 ft. WIDE TRENCH = 375 LF TRENCH
375 LF TRENCH X 0.50 REDUCTION CREDIT = 187.5 LF TRENCH
TRENCH T1-1 EX. GRD=681.6 -INV. TRENCH=678.6 -B. TRENCH=674.1
TRENCH T1-2 EX. GRD=680.0 -INV. TRENCH=677.5 -B. TRENCH=673.0
TRENCH T1-3 EX. GRD=678.0 -INV. TRENCH=675.5 -B. TRENCH=671.0

1st REPLACEMENT
APPLICATION RATE = 0.8 GPD / sq.ft.
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2nd REPLACEMENT
APPLICATION RATE = 0.6 GPD / sq.ft.
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900 GPD / 0.6 GPD/sq.ft. = 1500 sq.ft.
1500 sq.ft. / 3 ft. WIDE TRENCH = 500 LF TRENCH
500 LF TRENCH X 0.50 REDUCTION CREDIT = 250 LF TRENCH
TRENCH T3-1 EX. GRD=672.5 -INV. TRENCH=670.0 -B. TRENCH=665.5
TRENCH T3-2 EX. GRD=671.0 -INV. TRENCH=668.5 -B. TRENCH=664.0
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Approved Septic System Plan
Howard County Health Department
Signature:
Date: 9/15/22

OWNER:
DELAUNE & CHARLOTTE SAVOY
12803 FOREST CREEK COURT
SYKESVILLE MD. 21784

PROFESSIONAL CERTIFICATION
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 18417, Expiration Date: 9-18-23.



ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 16
PATAPSCO OVERLOOK
PLAT No. 6783
625 WELDER DRIVE

TAX MAP: 2
GRID NO: 24
PARCEL NO: 227

ELECTION DISTRICT: FOURTH
HOWARD COUNTY, MARYLAND
EX. ZONING: RCDEO

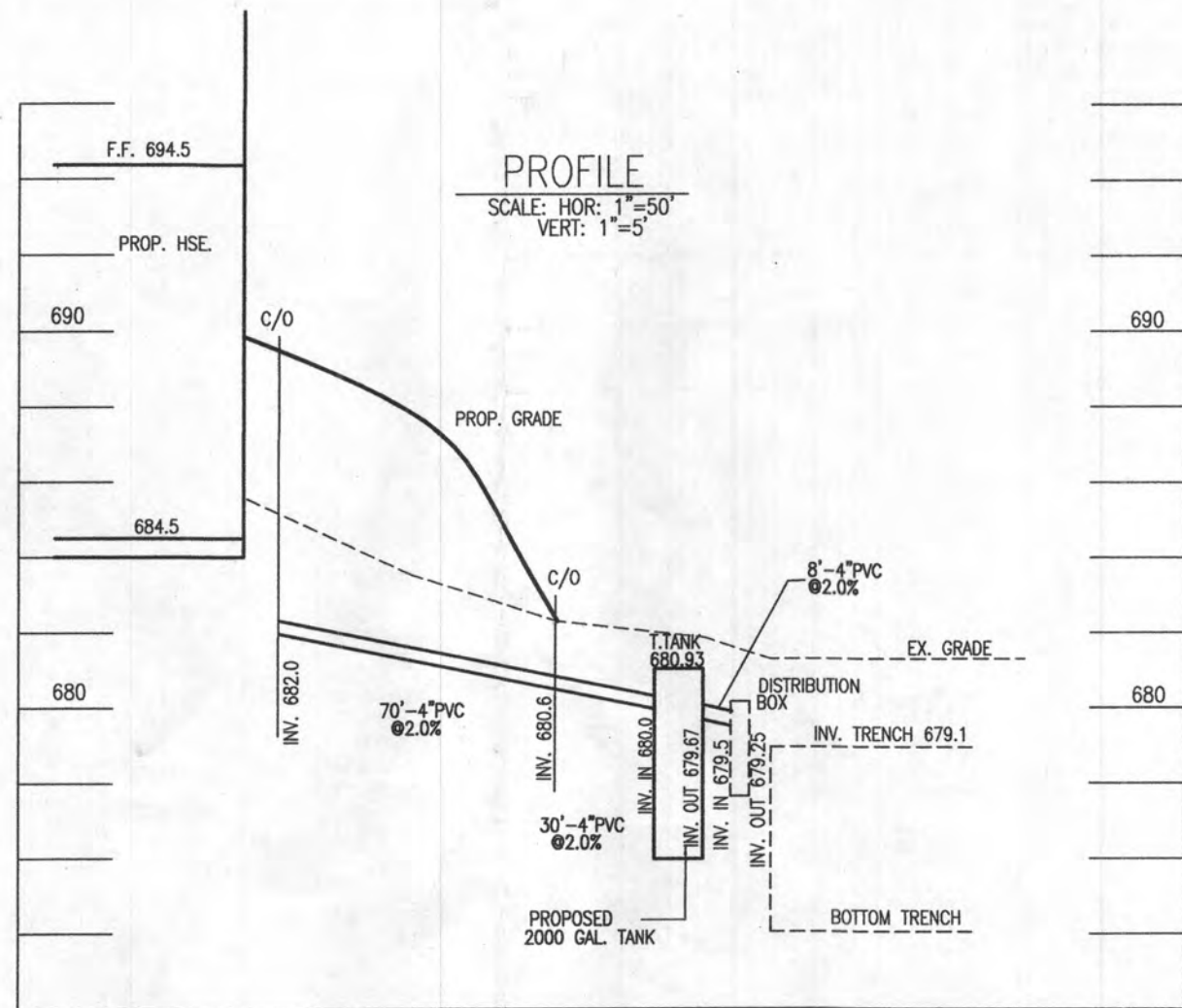
SCALE: 1"=50'
DATE: NOVEMBER, 2021
SHEET 1 OF 1

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 820-2880 (301) 831-5015 (410) 549-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown

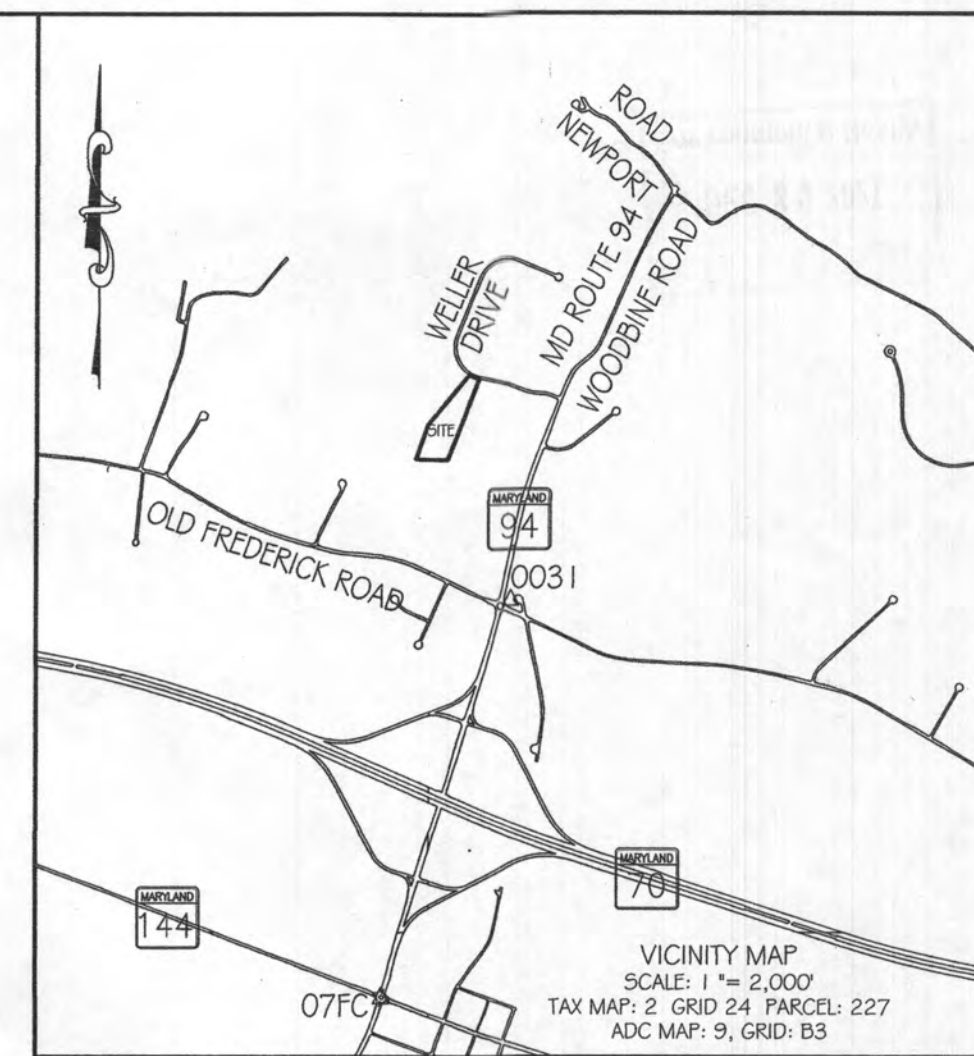
APPROVED
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE



SOIL LEGEND					
MAP SYMBOL	MAPPING UNIT	HYDROLOGIC SOIL GROUP	HYDRIC? COMPONENTS	Kw	SLOPE
MaD	MANOR LOAM	B	NO	0.26	15-25%
GgC	GLENELG LOAM	B	NO	0.24	8-15%
HOWARD COUNTY SOILS MAP NO. 27					



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SEPTIC SYSTEM TRENCH DESIGN

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APPLICATION RATE = 0.8 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 6 BEDROOMS = 900 GPD
900 GPD / 0.8 GPD/sq.ft. = 1125 sq.ft.
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Approved Septic System Plan
Howard County Health Department
2000-gallon Septic Tank
to Gravity Drainfield
for 6-bedroom residence
Signature: [Signature]
Date: 11/6/2021

THIS AREA DESIGNATES A 10,000 S.F. PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS 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 DISPOSAL AREA.

(PASSED) PERCOLATION TEST SITE:

(FAILED) PERCOLATION TEST SITE:

EX. WELL:



ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 16
PATAPSCO OVERLOOK
PLAT No. 6783
625 WELDER DRIVE

TAX MAP: 2
GRID NO: 24
PARCEL NO: 227

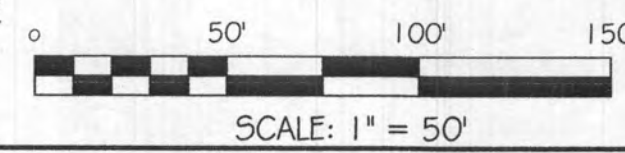
ELECTION DISTRICT: FOURTH
HOWARD COUNTY, MARYLAND
EX. ZONING: RC-DEO

SCALE: 1"=50'
DATE: NOVEMBER, 2021
SHEET 1 OF 1

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 548-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown

OWNER:
GUY FOWL AND DONNA GANGER
3212 PARLIAMENT PLAZA
WEST FRIENDSHIP, MD 21794
443-418-4573

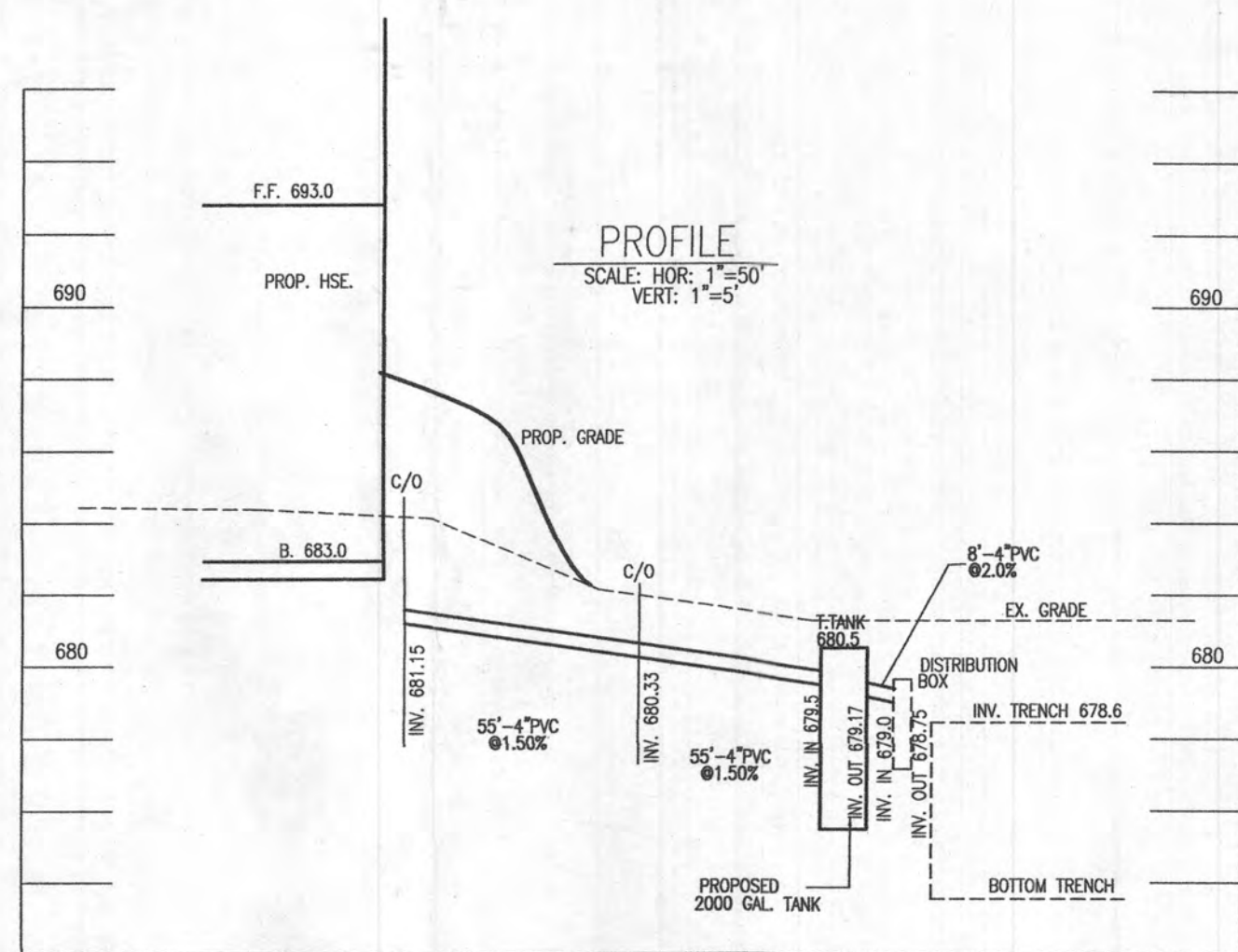
PROFESSIONAL CERTIFICATION
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 18417, Expiration Date: 9-18-23.



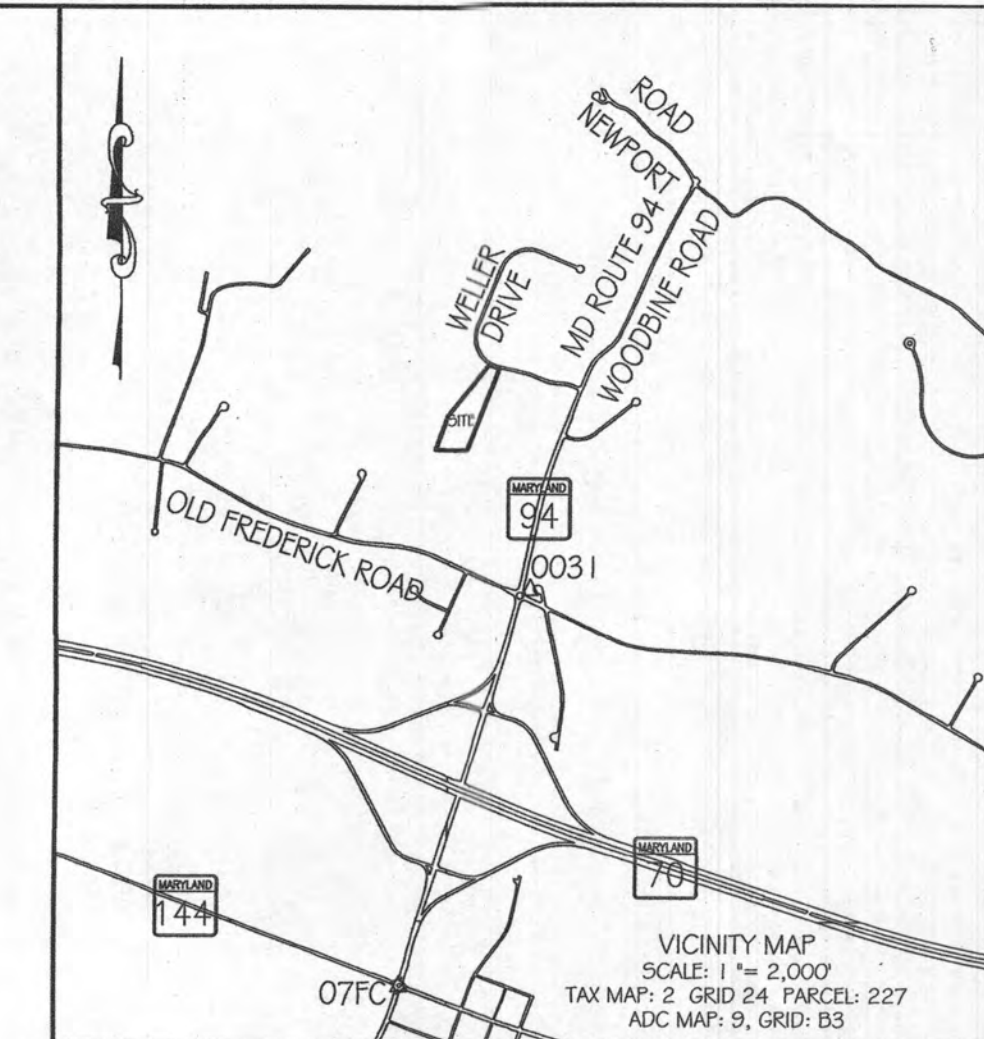
APPROVED
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE



SOIL LEGEND					
MAP SYMBOL	MAPPING UNIT	HYDROLOGIC SOIL GROUP	HYDRIC? COMPONENTS	Kw	SLOPE
MaD	MANOR LOAM	B	NO	0.28	15-25%
GgC	GLENELG LOAM	B	NO	0.24	8-15%
HOWARD COUNTY SOILS MAP NO. 27					



GENERAL NOTES:

- TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
- THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
- ZONING DISTRICT: RC-DEO
- LIMIT OF DISTURBANCE (LOD) = 29,171 SQ.FT.
- THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.
- STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY N-2 NON-ROOFTOP DISCONNECTION AND M-6 MICRO-BIORETENTION

SEPTIC SYSTEM TRENCH DESIGN

INITIAL NUMBER OF BEDROOMS = 6
APPLICATION RATE = 0.8 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 6 BEDROOMS = 900 GPD
900 GPD / 0.8 GPD/sq.ft. = 1125 sq.ft.
1125 sq.ft. / 3 ft. WIDE TRENCH = 375 LF TRENCH
375 LF TRENCH X 0.50 REDUCTION CREDIT = 187.5 LF TRENCH
TRENCH T1-1 EX. GRD=681.6 -INV. TRENCH=678.6 -B. TRENCH=674.1
TRENCH T1-2 EX. GRD=680.0 -INV. TRENCH=677.5 -B. TRENCH=673.0
TRENCH T1-3 EX. GRD=678.0 -INV. TRENCH=675.5 -B. TRENCH=671.0

1st REPLACEMENT
APPLICATION RATE = 0.8 GPD / sq.ft.
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TRENCH T2-2 EX. GRD=674.0 -INV. TRENCH=671.5 -B. TRENCH=667.0

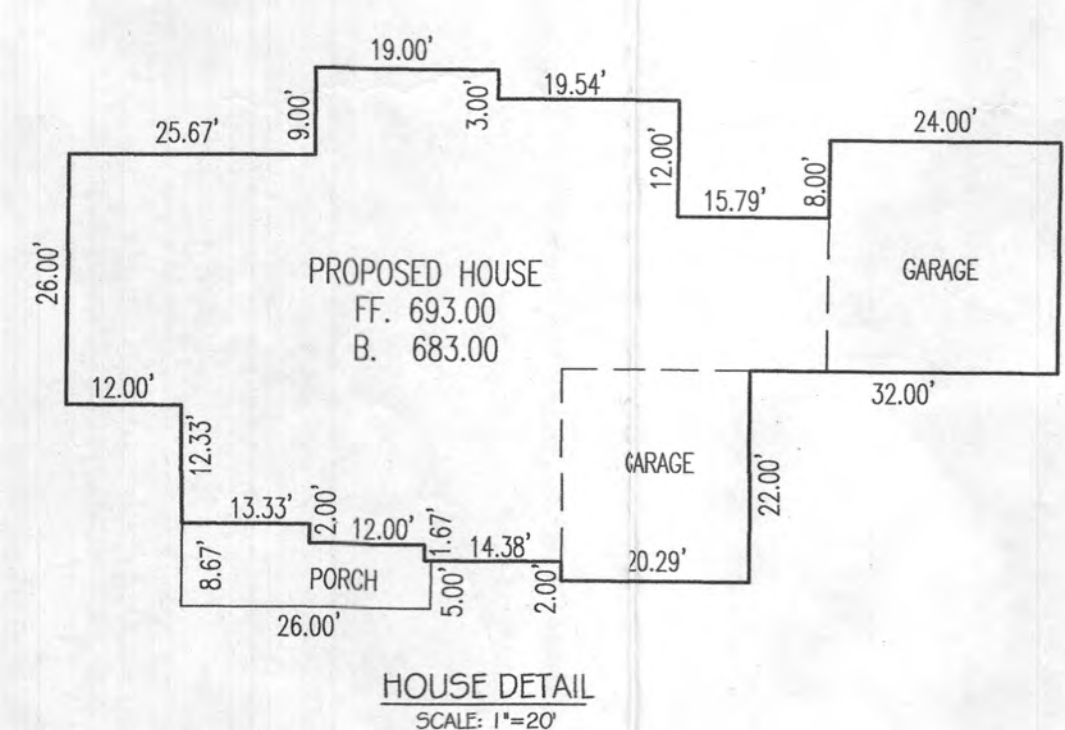
2nd REPLACEMENT
APPLICATION RATE = 0.6 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 6 BEDROOMS = 900 GPD
900 GPD / 0.6 GPD/sq.ft. = 1500 sq.ft.
1500 sq.ft. / 3 ft. WIDE TRENCH = 500 LF TRENCH
500 LF TRENCH X 0.50 REDUCTION CREDIT = 250 LF TRENCH
TRENCH T3-1 EX. GRD=672.5 -INV. TRENCH=670.0 -B. TRENCH=665.5
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SITE PLAN NOTES:

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- ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- THE EX. WELL HO-20-0055 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.

THIS AREA DESIGNATES A 10,000 S.F. PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS 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 DISPOSAL AREA.

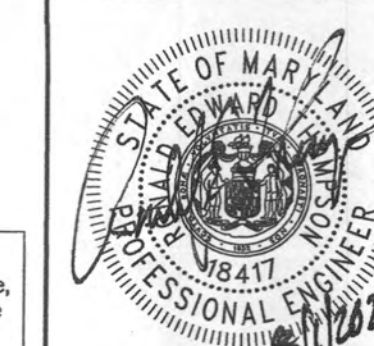
(PASSED) PERCOLATION TEST SITE:
(FAILED) PERCOLATION TEST SITE:
EX. WELL



OWNER:
DEJALINE & CHARLOTTE SAVOY
12803 FOREST CREEK COURT
SYKESVILLE MD. 21784

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DATE	REVISIONS
12/28/21	PER HO COMMENTS
07/28/22	HOUSE SITE, OWNER



ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 16
PATAPSCO OVERLOOK
PLAT No. 6783
625 WELDER DRIVE

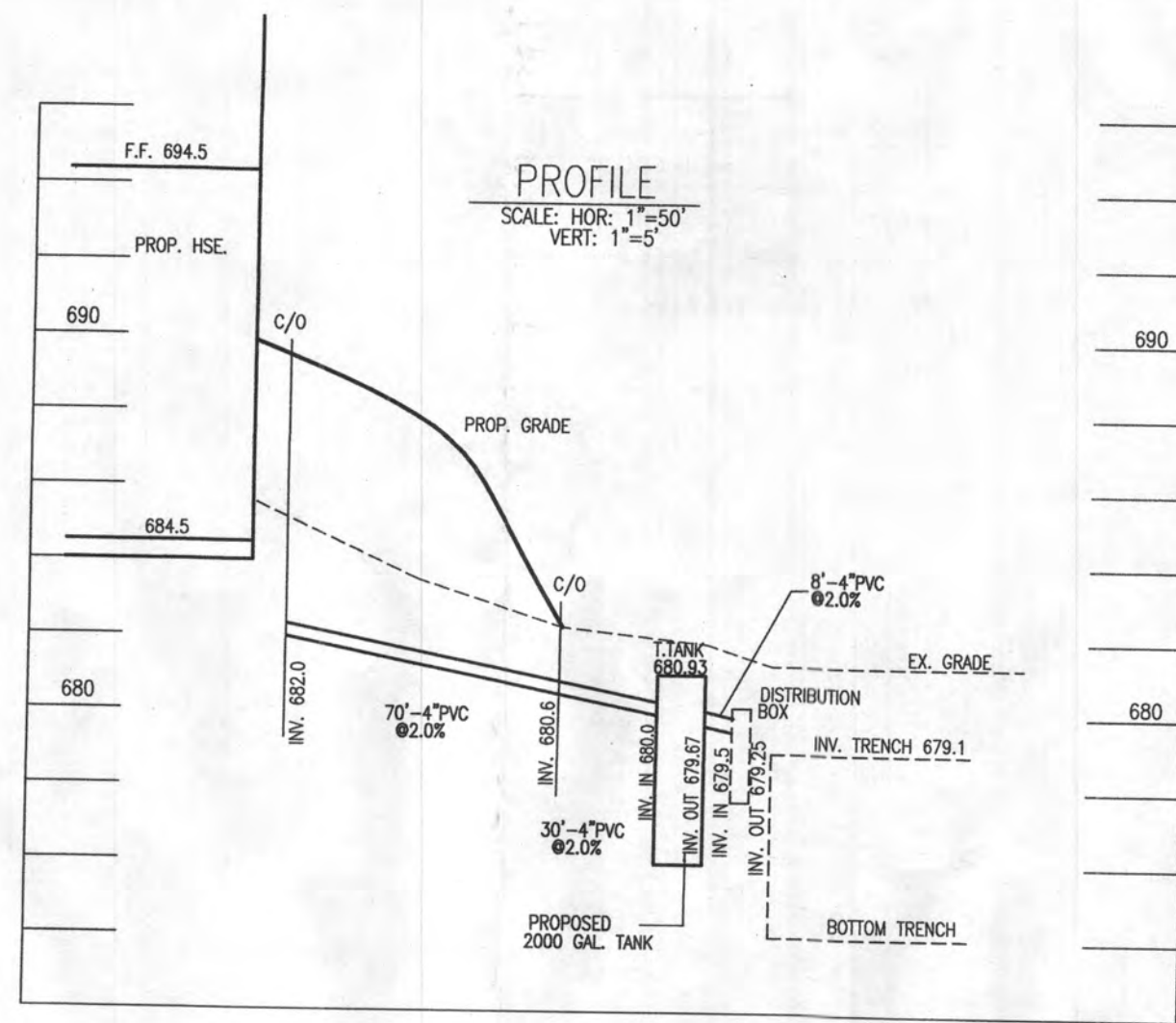
TAX MAP: 2
GRID NO. 24
PARCEL NO. 227
ELECTION DISTRICT: FOURTH
HOWARD COUNTY, MARYLAND
EX. ZONING: RCDEO
SCALE: 1"=50'
DATE: NOVEMBER, 2021
SHEET 1 OF 2

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown

APPROVED
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

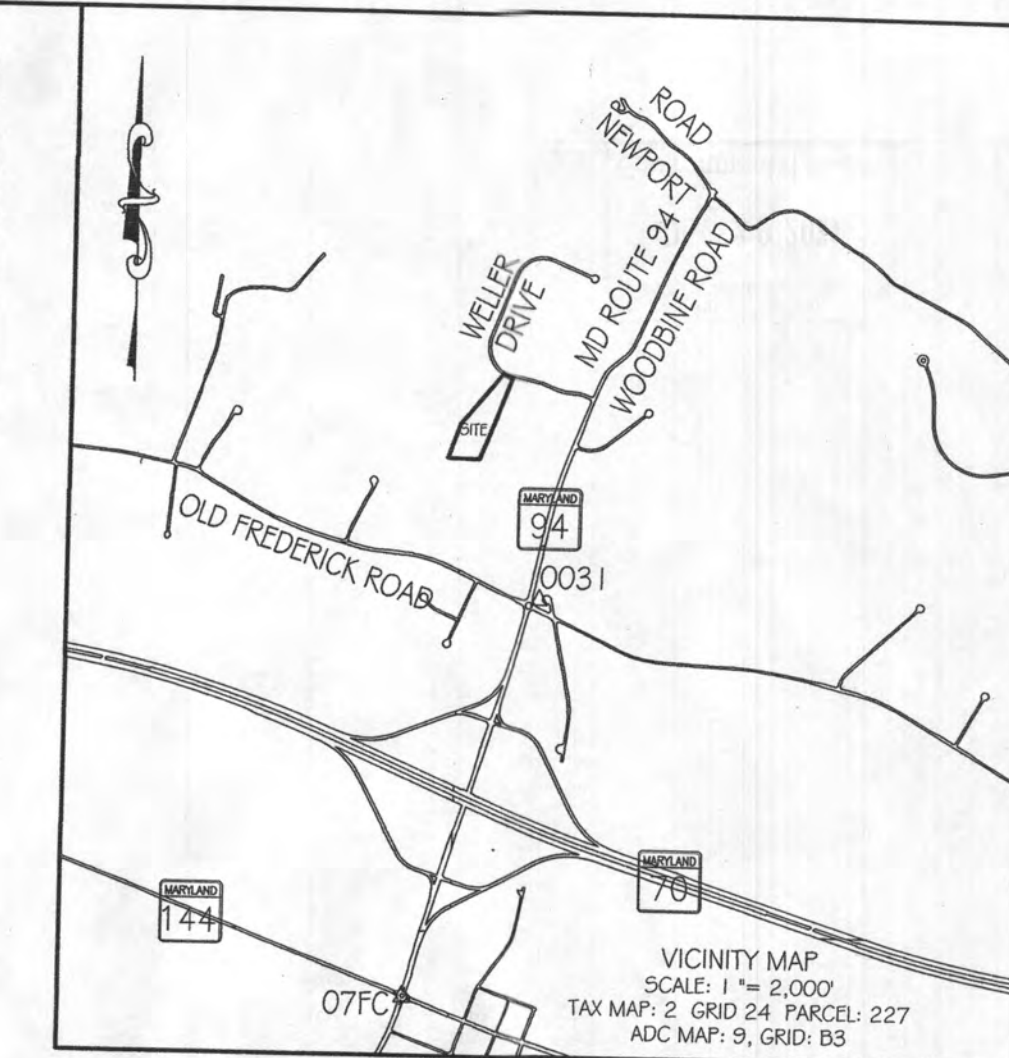
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE



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HOWARD COUNTY SOILS MAP NO. 27

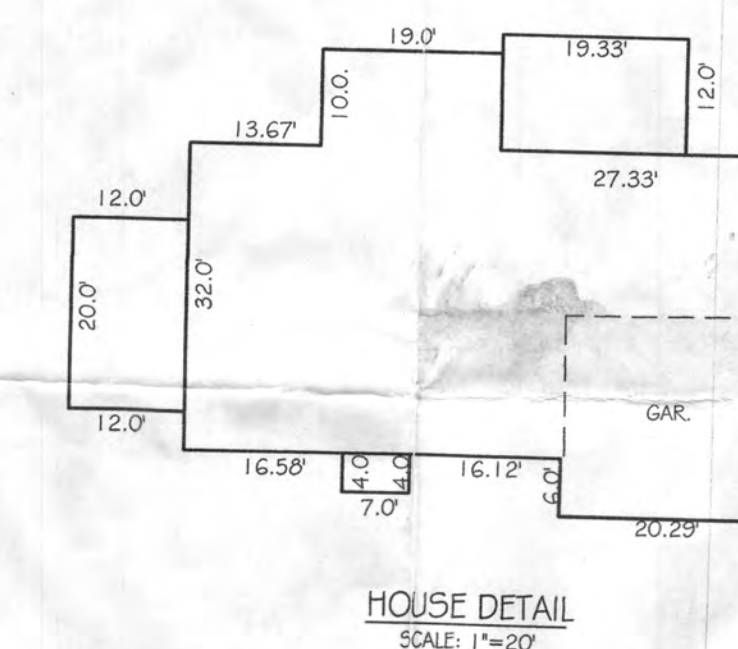


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SEPTIC SYSTEM TRENCH DESIGN

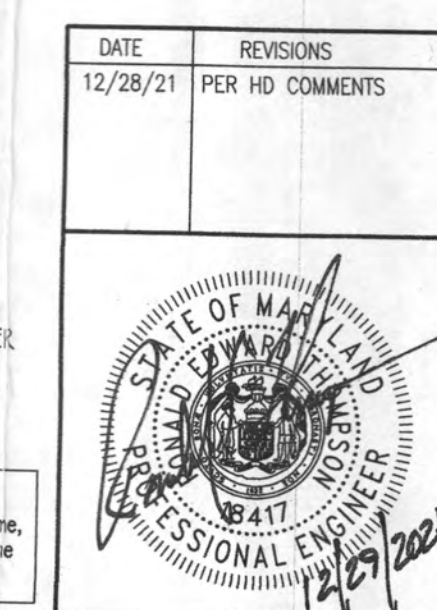
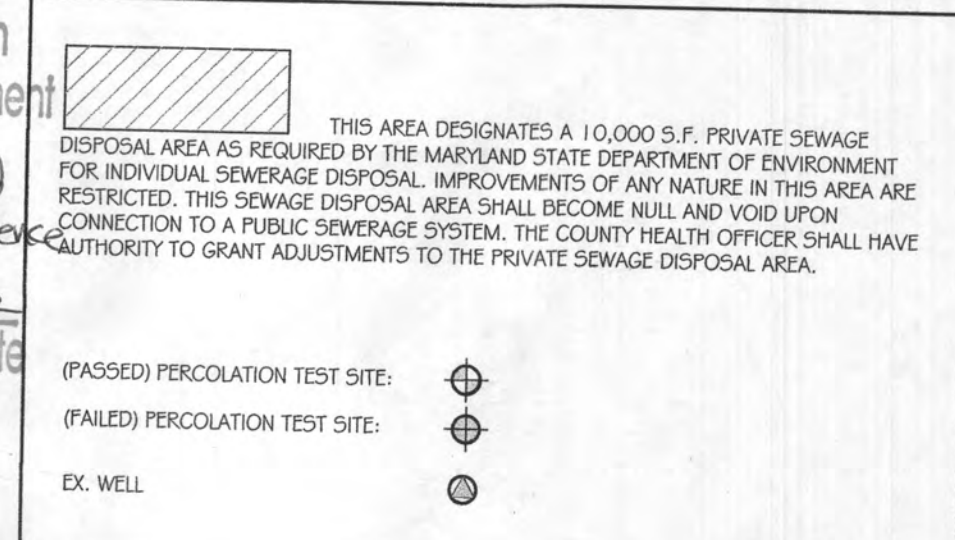
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Approved Septic System Plan
 Howard County Health Department
 2000 gallon Septic Tank
 to Gravity Drain Field
 for 6 Bedroom residence
 Signature: [Signature] Date: 10/29/2021



ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 16
PATAPSCO OVERLOOK
 PLAT No. 6783
 625 WELLS DRIVE

TAX MAP: 2
 GRID NO: 24
 PARCEL NO: 227

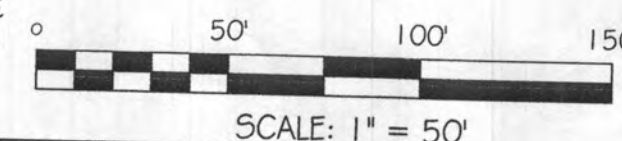
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 Fax (301) 831-5603 ©Copyright, Latest Date Shown

OWNER:
 GUY FOMI, AND DONNA SANGER
 3212 PARLIAMENT PLAZA
 WEST FRIENDSHIP, MD 21794
 443-418-4573

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 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 18417, Expiration Date: 8-18-23



APPROVED
 HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE