



Howard County
Health Department

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

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

RECEIPT DATE: 2/16/23 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 872790

APPROVAL DATE: 3/10/23 **PERMIT: CONSTRUCTION**

A

PROPERTY ADDRESS: 625 Weller Drive

SUBDIVISION: Patapsco Overlook

LOT: 16

TAX ID: 04-344758

CONTRACTOR: J & A Construction Services

EMAIL: pjacobs@j&aconstruction.net

CONTRACTOR ADDRESS: 7991 Bennett Branch Road, Mount Airy, MD 20771

PHONE: 410-635-2484

PROPERTY OWNER: Dejaune & Charlotte Savoy

EMAIL:

OWNER ADDRESS: 12803 Forest Creek Court

PHONE:

SEPTIC TANK SIZE (GALLONS): 2000

TANK MANUFACTURER: TBD

PUMP MODEL: N/A

PUMP SIZE

N/A

PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM: ☒ GRAVITY ☐ PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED:	<u>188</u>	INLET DEPTH:	<u>2.5 3'</u>
	TRENCH WIDTH:	<u>3</u>	MAXIMUM BOTTOM DEPTH:	<u>7</u>
	MINIMUM SPACE BETWEEN TRENCHES:	<u>11</u>	EFFECTIVE AREA BEGINNING DEPTH:	<u>4</u>
	LOCATION: PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.			
NOTES:				

ISSUED BY: Wank Oswald ISSUE DATE: 2/16/23 EXPIRATION DATE: 2/16/24

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 DOWNGRADE 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 N/A

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

See Separate Sheet
for A-S-BWL

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH 3' INLET 3' BOTTOM 7'

NUMBER OF TRENCHES 3

TOTAL LENGTH 189'

ABSORPTION AREA 567 sq ft.

DISTRIBUTION BOX LEVEL yes

DISTRIBUTION BOX BAFFLE yes

DISTRIBUTION BOX PORT yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes

MANUFACTURER Babylon

CAPACITY 2600 GAL

SEAM LOC top

TANK LID DEPTH 1.5' to 2.5'

BAFFLES front 6" / back 4"

BAFFLE FILTER -

MANHOLE LOC front / back

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED yes

DATE ON LID 1/24/23

PUMP/SEPTIC TANK LEVEL -

MANUFACTURER -

CAPACITY - GAL

SEAM LOC -

TANK LID DEPTH -

BAFFLES -

BAFFLE FILTER -

MANHOLE LOC -

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED -

DATE ON LID -

PRE-CONSTRUCTION:

3/8/23 - laid out 3x63' trenches on contour, contractor confirmed minimum fall of 1% will be achieved for sewer line to tank & dbox. Should be alright on fall for Trench 1, Trench 2/3 - no problem w/ fall. OK to continue w/ install. (RP)

INSTALLATION: 3/9/23 - site inspection, contractor on site, most of the work has been completed, working on last trench during site visit, tank installed, fall to tank & trenches ok, attempted to level the dbox but the hole for T2 pvc is leaking, trenches look good, stone not great but acceptable, requested that contractor use a quarry that does a better job w/ washing the stone, geotextile fabric in place & soil looks really good at trenches - can't read the perc notes to compare soils to perc #5 & 8, reinspect for dbox (RP) 3/10/23 - dbox repaired and leveled w/ levelers, no leaking observed. OK to continue & backfill. (RP) 3/14/23 - qps'd well & as built well, stc confirmed (sewer line under footer). (RP)

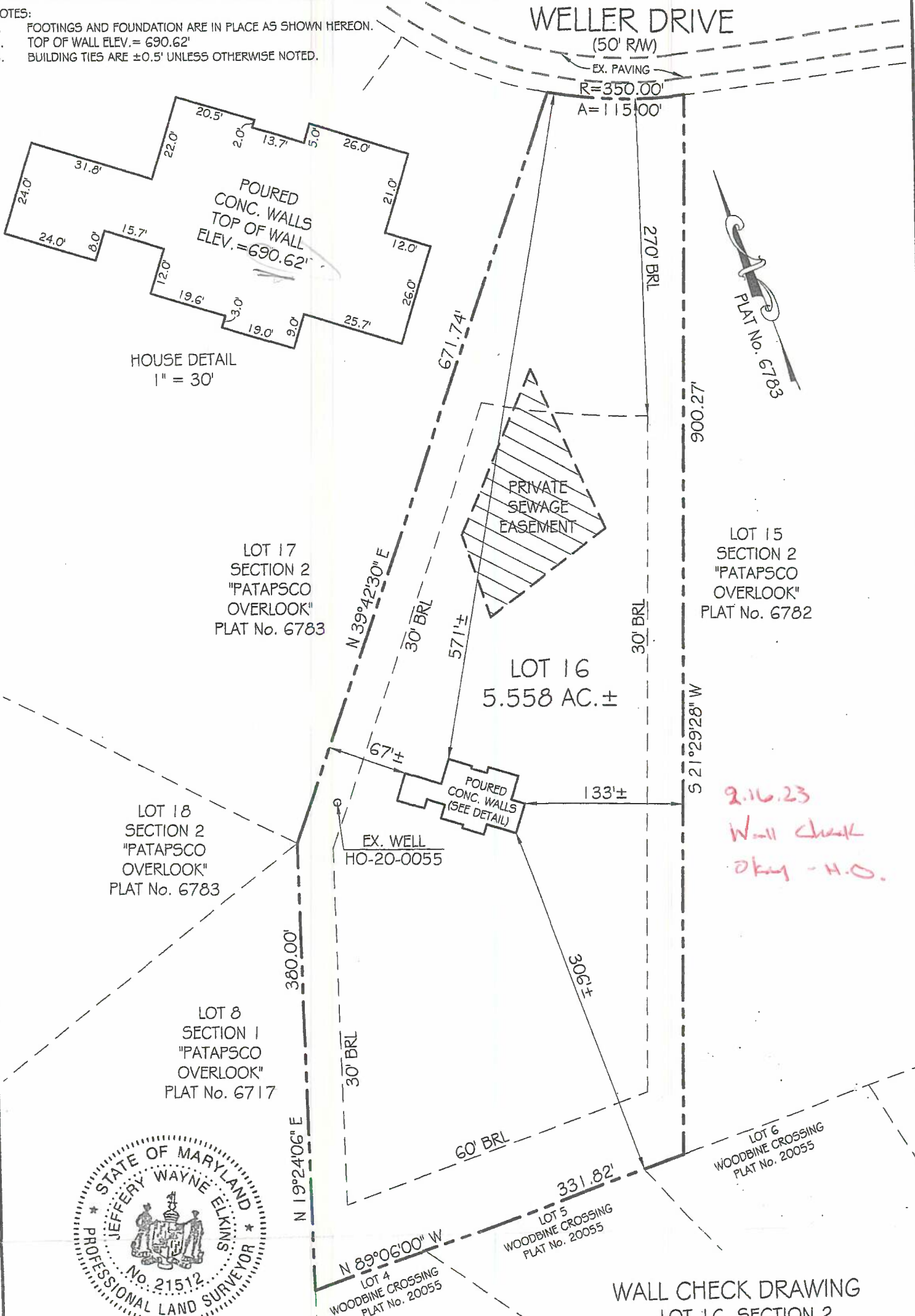
FINAL INSPECTOR

R. Rappaport

DATE OF APPROVAL

3/10/23

- NOTES:
1. FOOTINGS AND FOUNDATION ARE IN PLACE AS SHOWN HEREON.
 2. TOP OF WALL ELEV. = 690.62'
 3. BUILDING TIES ARE $\pm 0.5'$ UNLESS OTHERWISE NOTED.



PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21512, EXPIRATION DATE AUGUST 4, 2023, IN ACCORDANCE WITH COMAR 09.13.06.12.

Jeffery W. Elkins 2/9/2023
For VanMar Associates, Inc. Date
Jeffery W. Elkins, Prof. Land Surveyor

WALL CHECK DRAWING
LOT 16, SECTION 2
PATAPSCO OVERLOOK
PLAT No. 6783
625 WELLER DRIVE
ELECTION DISTRICT NO. 4
HOWARD COUNTY, MARYLAND
SCALE: 1"=100' FEBRUARY, 2023

I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

REFERENCE

PLAT No. 6783

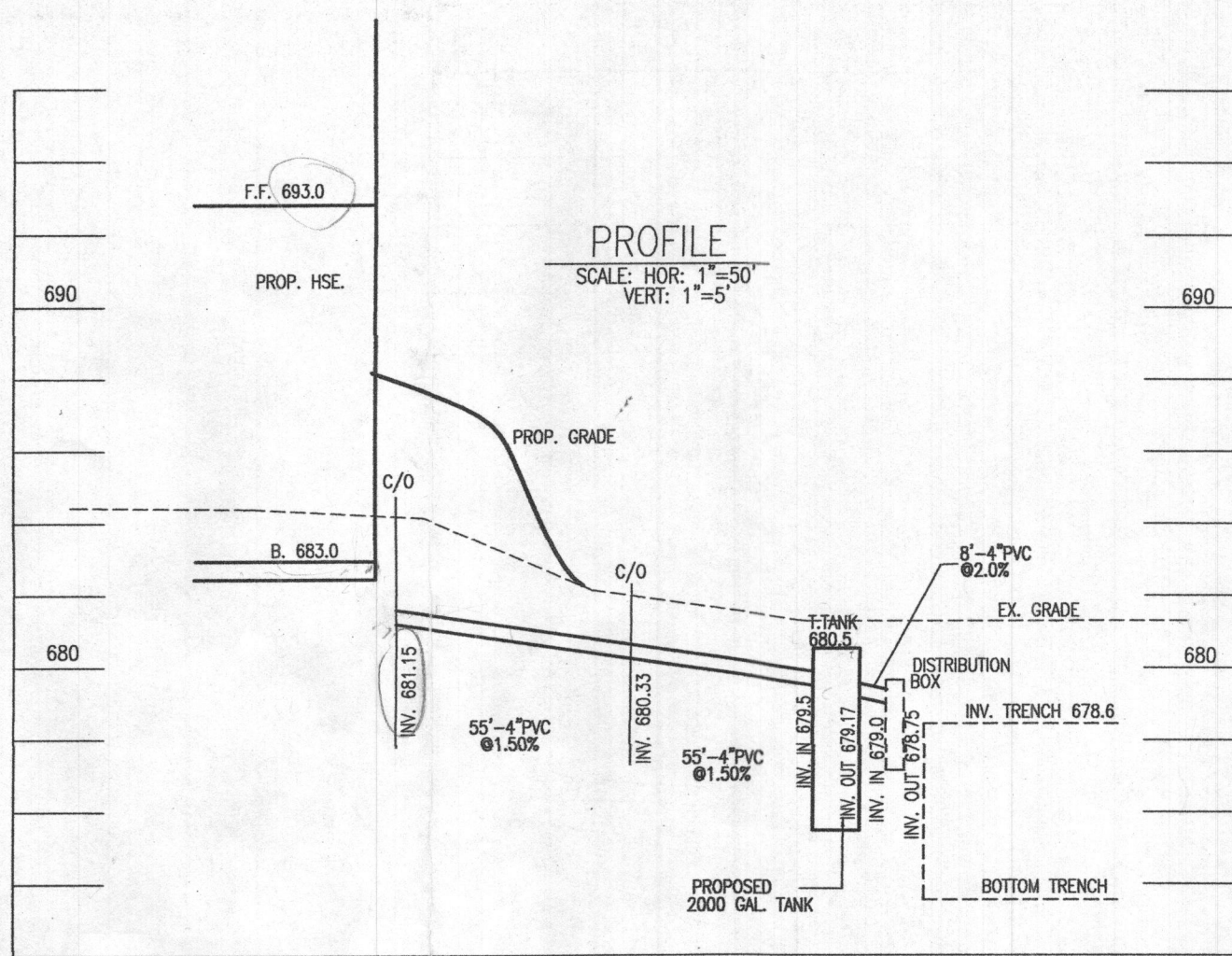
JOB NO.

CO-5971

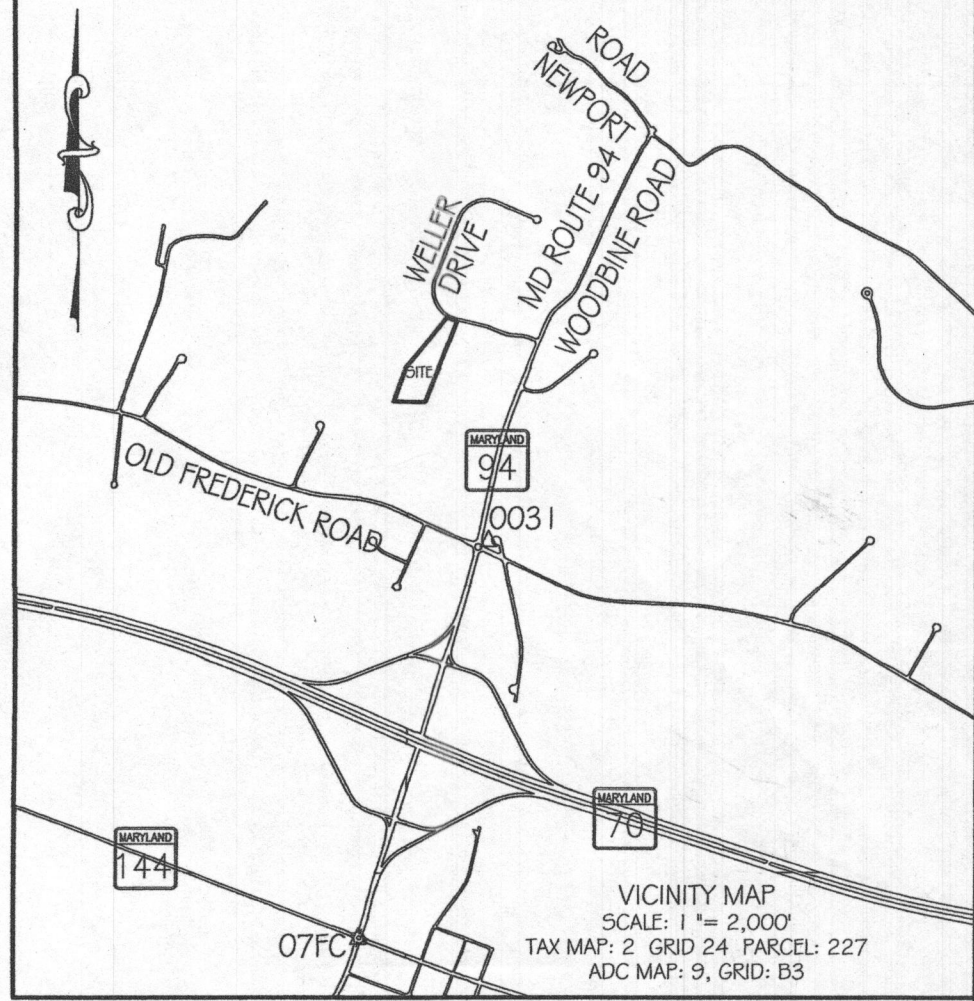


VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners

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



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
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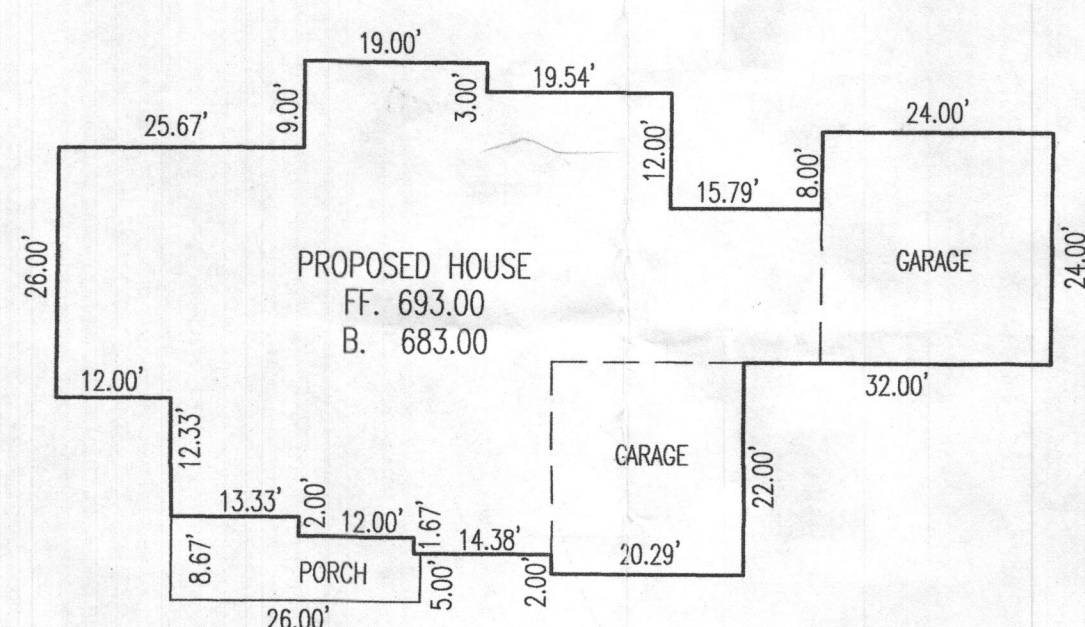
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- THE EX. WELL HO-20-0055 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

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 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:



HOUSE DETAIL
SCALE: 1"=20'

Approved Septic System Plan
Howard County Health Department
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

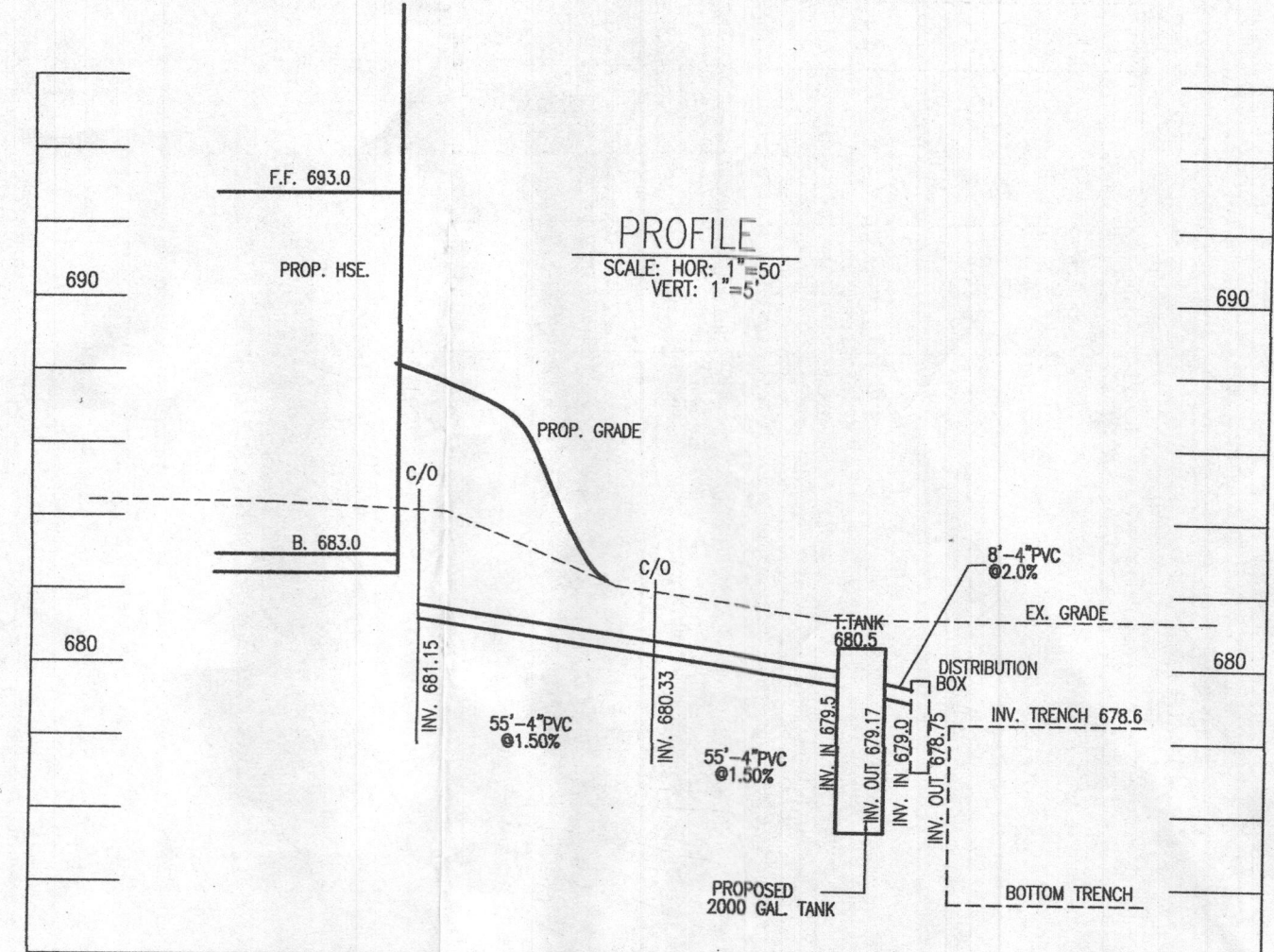
SCALE: 1"=50'
DATE: NOVEMBER, 2021
SHEET 1 OF 1

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APPROVED
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

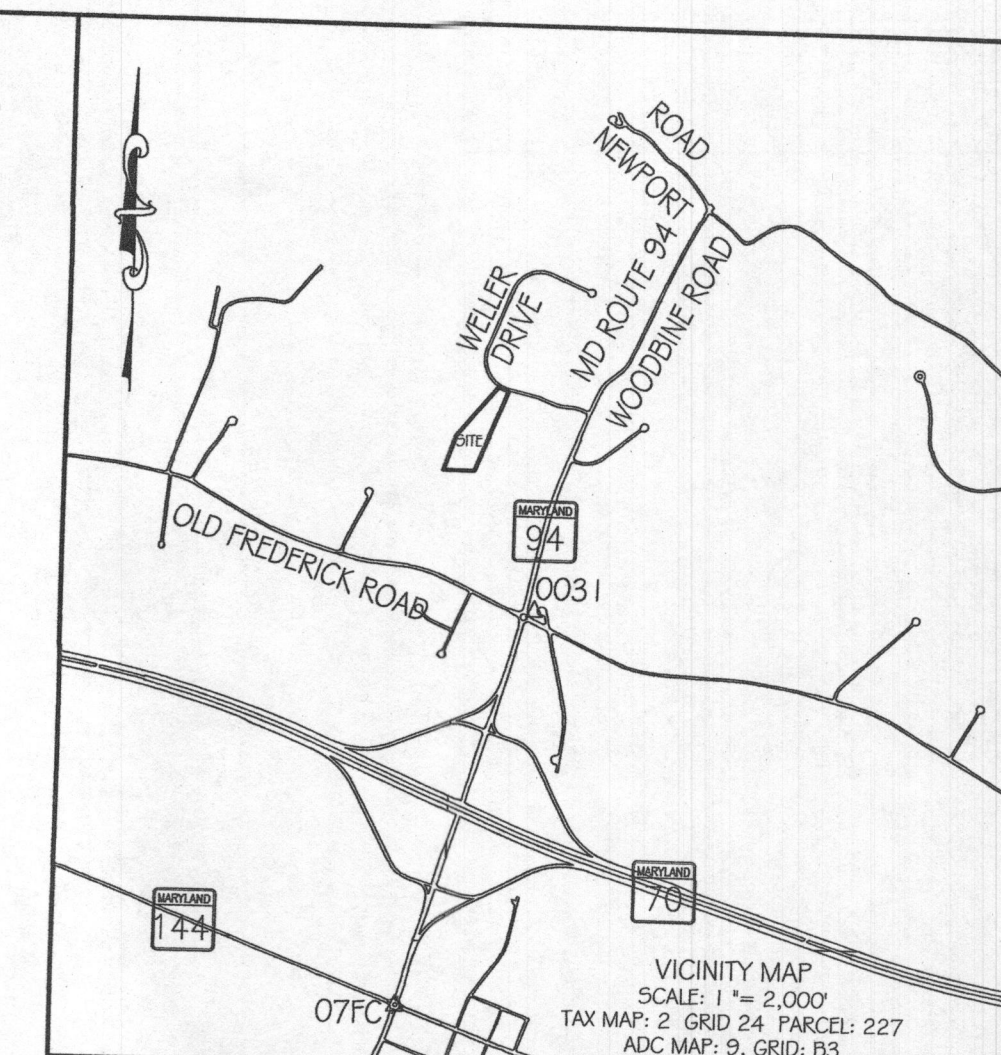
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

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%
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HOWARD COUNTY SOILS MAP NO. 27



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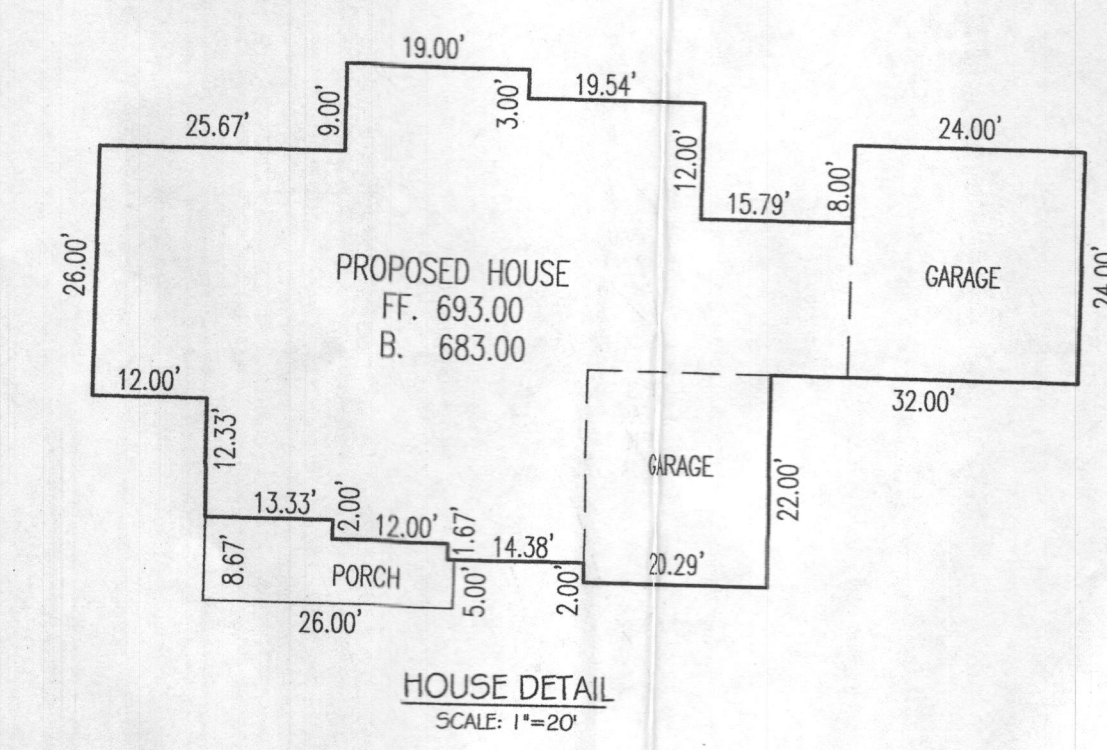
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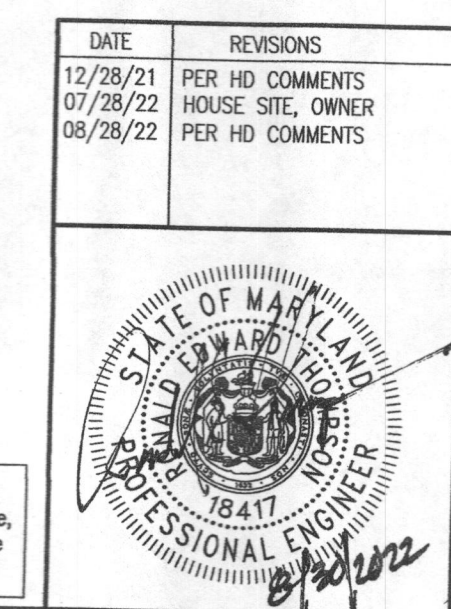
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EX. WELL:

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Howard County Health Department
Signature:
Date: 9/15/22

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

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GRID NO: 227
PARCEL NO: 227

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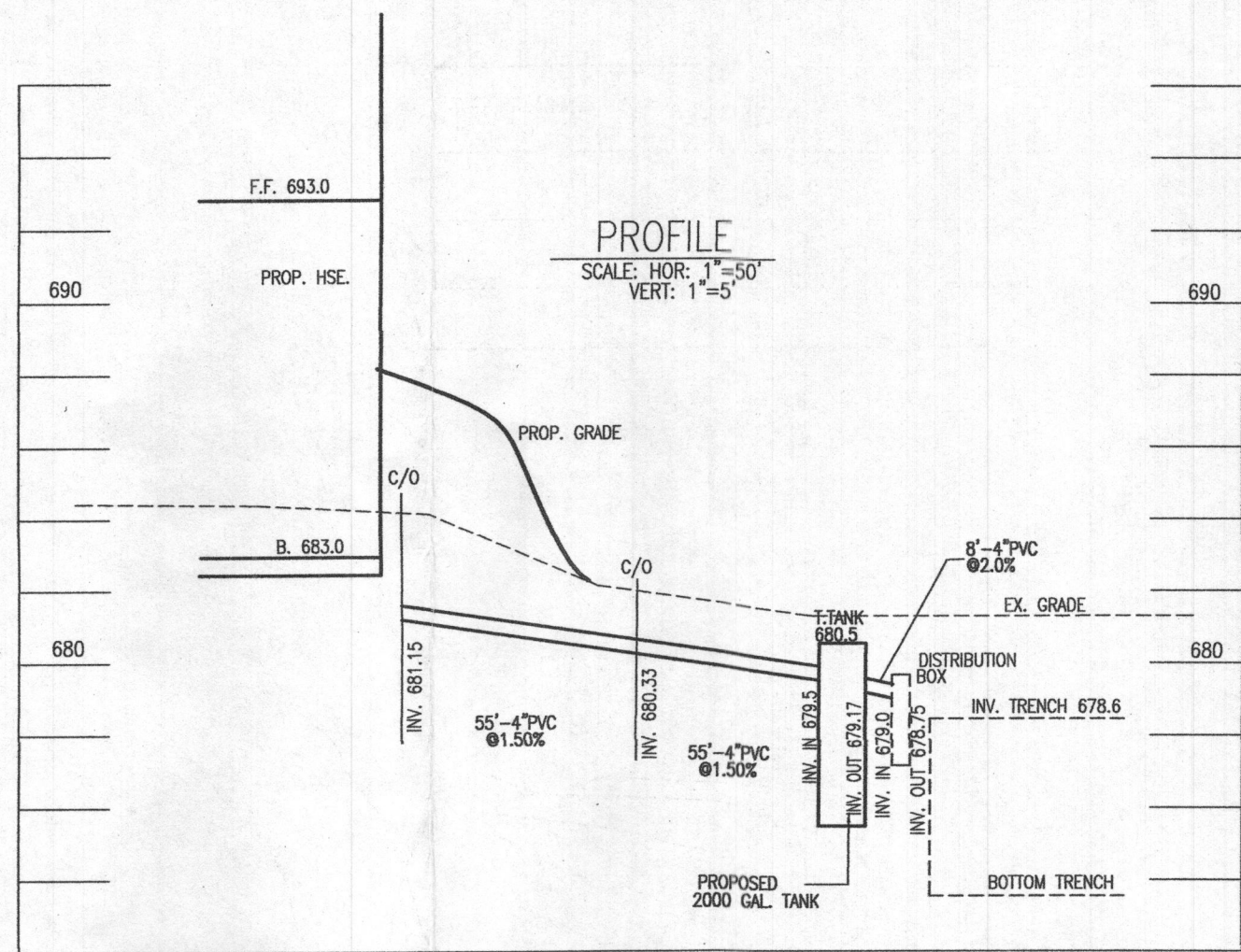
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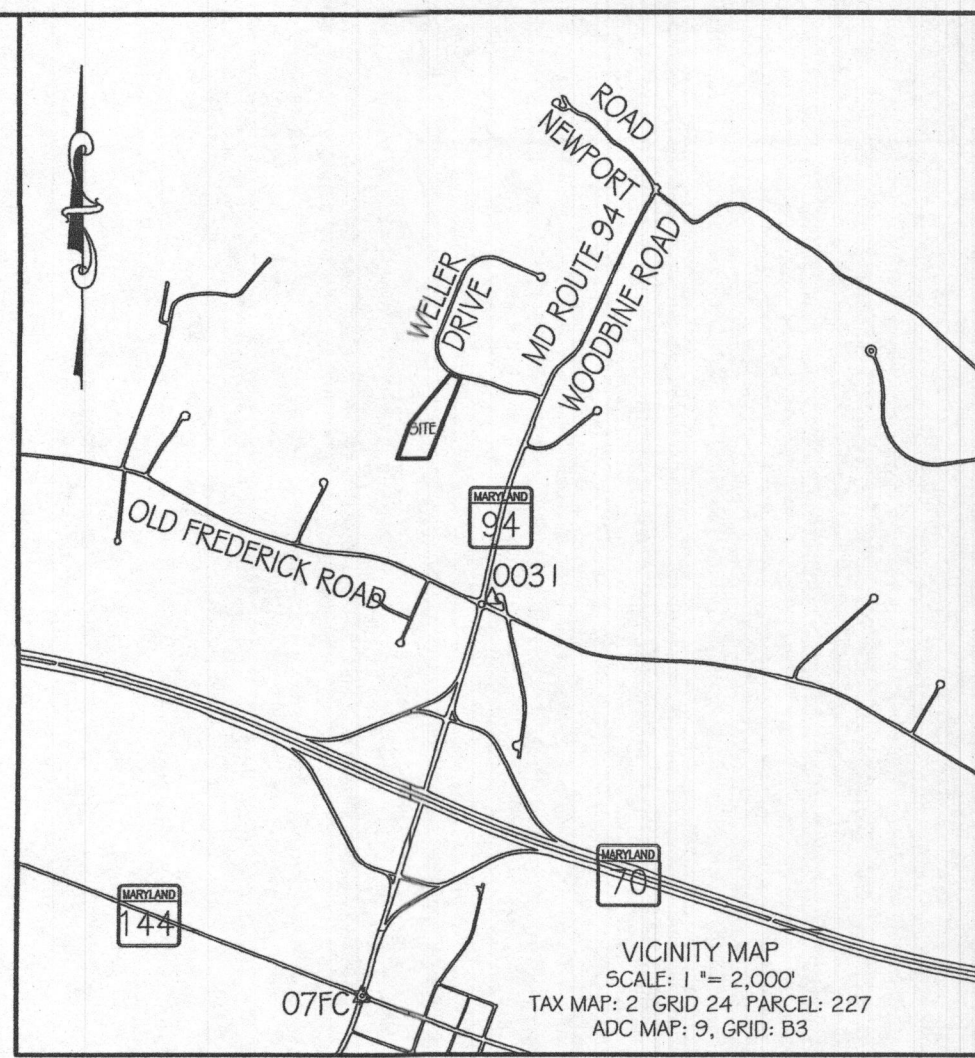
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CHIEF, DIVISION OF LAND DEVELOPMENT DATE

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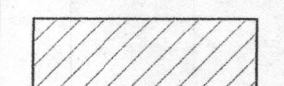
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08/28/22	PER HD COMMENTS



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

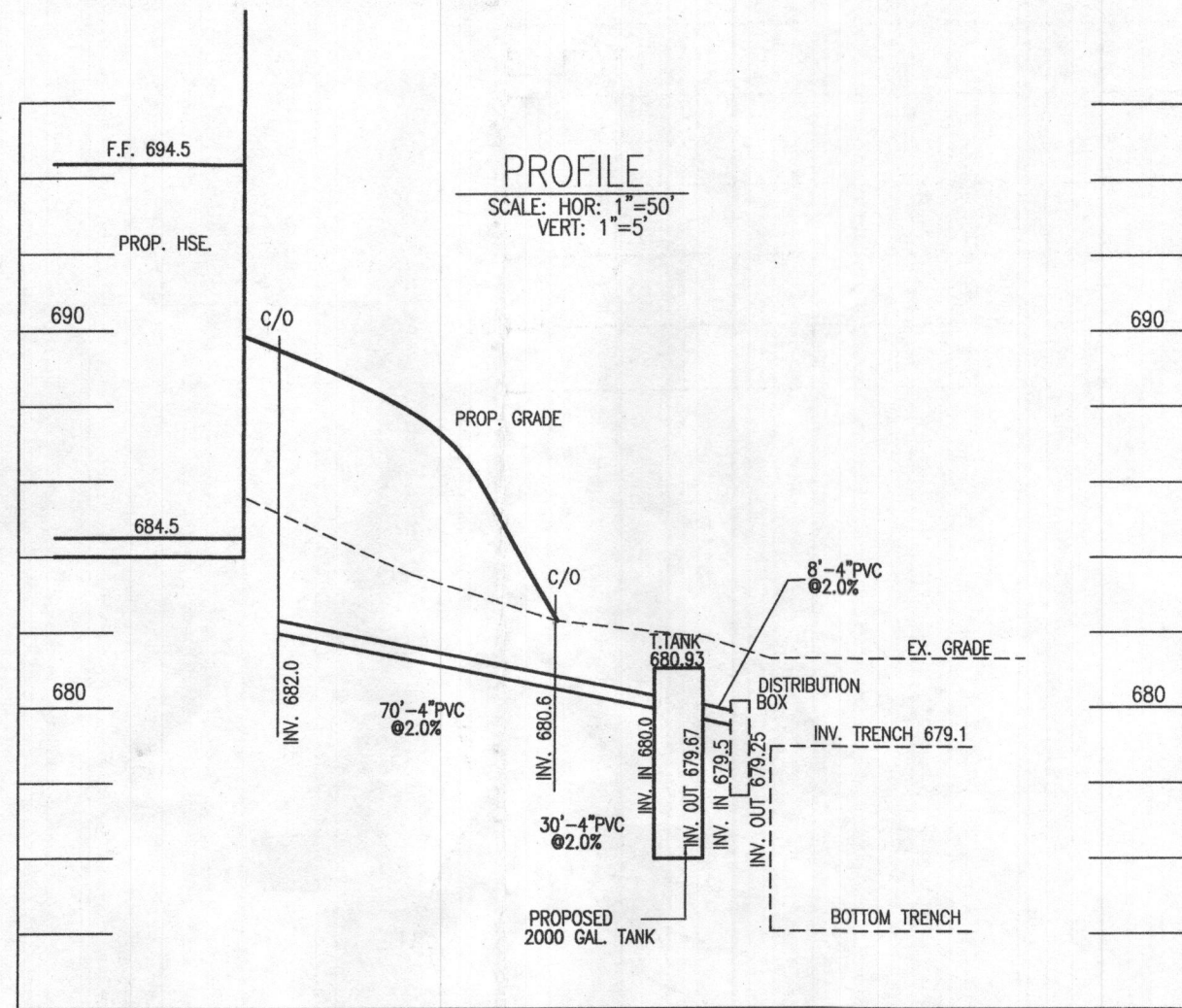


VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2880 (301) 831-5015 (410) 549-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown

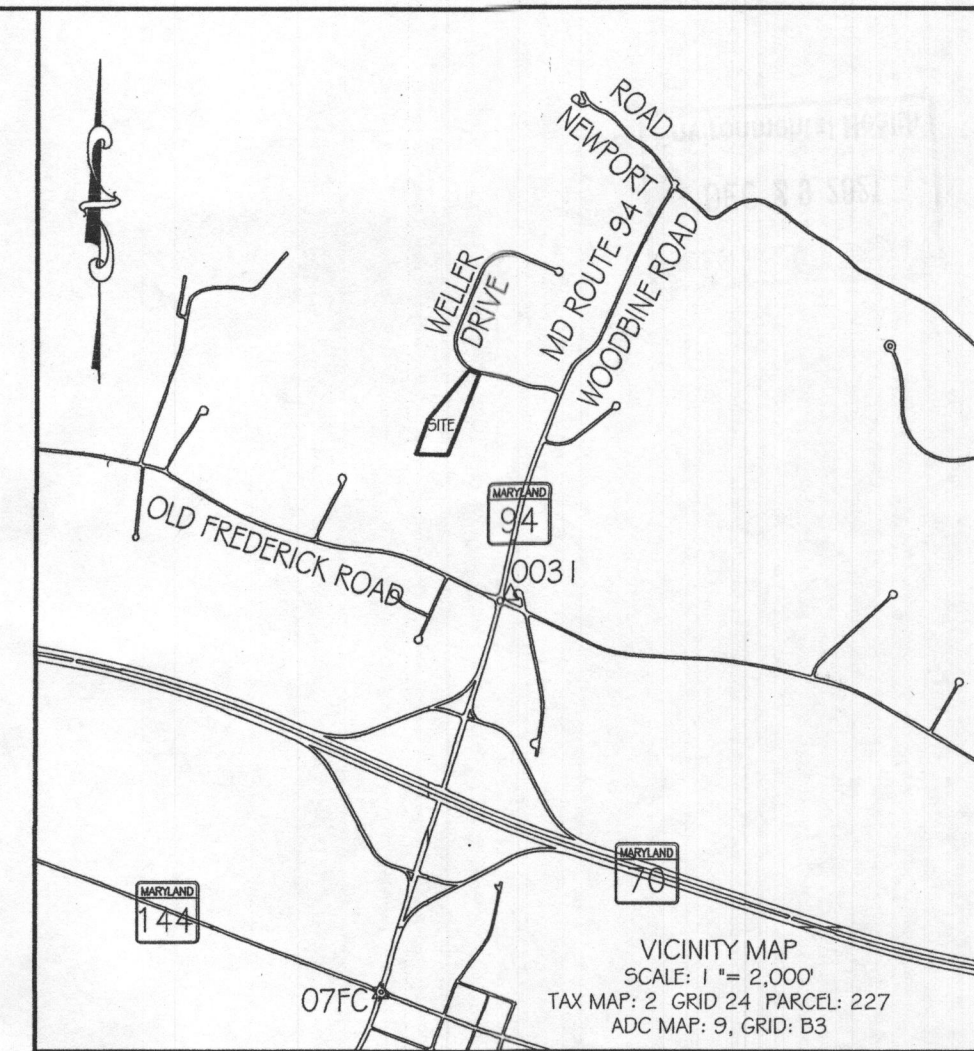
APPROVED
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

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	0.28	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=679.1 -B. TRENCH=674.6
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.
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 T2-1 EX. GRD=676.0 -INV. TRENCH=673.5 -B. TRENCH=669.0
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
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:

- 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.
- 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-20-00055 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.

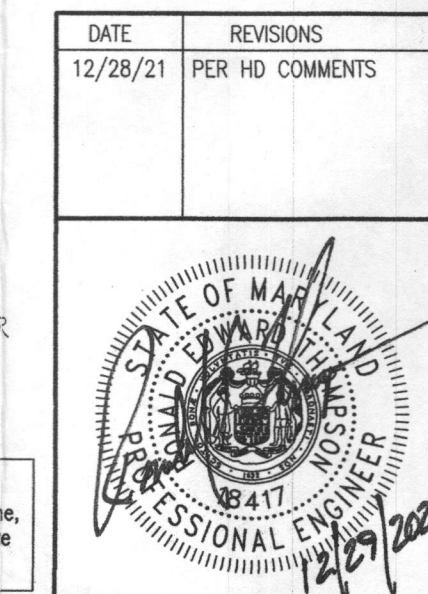
Approved Septic System Plan
Howard County Health Department
2000-gallon Septic Tank
to Gravity Drainfield
for 6-bed room residence
Signature: [Signature]
Date: 11/6/2022

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

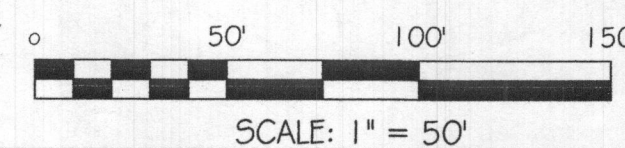
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OWNER:
GUY FOWL AND DONNA GANGER
3212 PARLIAMENT PLAZA
WEST FRIENDSHIP, MD 21794
443-418-4573

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

Ron Thompson

To: Silvast, Zackary
Subject: RE: regarding OSDS plan for 625 Weller Drive

Ronald E. Thompson, PE*
VANMAR ASSOCIATES
310 South Main Street PO Box 328
Mount Airy, Maryland 21771
O 301-829-2890 / C 443-421-2164 / F 301-831-5603

*(*licensed in MD, VA, DE, DC, SC, GA, FL, NC, MA)*

From: Silvast, Zackary <zsilvast@howardcountymd.gov>
Sent: Tuesday, August 23, 2022 12:42 PM
To: Ron Thompson <ron@vanmar.com>
Cc: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: regarding OSDS plan for 625 Weller Drive

Hello Ron,

I understand that Mr. Bricker had previously approved this OSDS plan, but now the house has shifted & its entire foundation has changed. Robert had made red-line revisions to your previous OSDS plan and now that everything has been re-opened we would like you to address these comments.

1. **I'm asking that 10' separation from all septic trench lines be shown. The trench layout can be altered/shifted slightly so that the trenches are more aligned with one another while still holding the contour lines. Thus they can be positioned a certain way in the SDA where all the lines maintain minimum 10' separation and they are aligned and straight.** There is a 10 ft separation between all the trenches. Trenches are straight and aligned with the contours
2. **Label tank on site plan as "2,000 GAL septic tank"** Labeled as '2000 gal septic tank'
3. **Label "existing 10,000 sf SDA" on site plan.** 'Ex 10,000 SF SDA' labeled.
4. **Label "neighboring existing SDAs"** labeled

We look forward to your re-submittal. Thank you.

- ZS

Zack Silvast (LEHS)
Plan Review Supervisor - Water & Sewer Division
410-313-1777
Environmental Health Bureau
Howard County Health Department

Silvast, Zackary

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Zack Silvast (LEHS)

Plan Review Supervisor - Water & Sewer Division

410-313-1777

Environmental Health Bureau

Howard County Health Department



VANMAR ASSOCIATES, INC.

ENGINEERS • SURVEYORS • PLANNERS
310 SOUTH MAIN STREET, MT. AIRY, MARYLAND 21771
PHONE 301-829-2890, FAX 301-831-5603

MEMORANDUM

TO: HOWARD COUNTY HEALTH DEPARTMENT

FROM: RONALD THOMPSON

SUBJECT: PATAPSCO OVERLOOK LOT 16

DATE: 8/1/2022

VMA #: 5971

Enclosed is the Patapsco Overlook Lot 16 Onsite Sewage Disposal System Design Plan. This plan shows a revised location for the house. The Bedrooms remain at 6 as per the previously approved plan. The purpose of this submission is to provide an updated OSDS Plan that will match the Plot Plant.

Please contact me with any questions you may have.

Ronald E. Thompson, PE
VANMAR ASSOCIATES
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Mount Airy, Maryland 21771
301-829-2890 (O)
443-421-2164 (C)
301-831-5603 (F)