

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

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

RECEIPT DATE: 3/9/22 **ONSITE SEWAGE DISPOSAL SYSTEM** P 570989
 APPROVAL DATE: 7/18/2023 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 3408 Woodbine Road
 SUBDIVISION: Timberleigh Homesteads LOT: 26 TAX ID: 04-352610
 CONTRACTOR: Sems Creek EMAIL: _____
 CONTRACTOR ADDRESS: 2810 Sems Creek Road New Windsor PHONE: 443-821-493
 PROPERTY OWNER: William B Martin Family EMAIL: 113 2736
 OWNER ADDRESS: 17541 Timberleigh Way PHONE: _____
 SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: BABYLON OR EQ
 PUMP MODEL: _____ PUMP SIZE _____ PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 4 APPLICATION RATE: 0.6

TRENCHES:	LINEAR FEET REQUIRED: <u>208 LF</u>	INLET DEPTH: <u>2.5</u>
	TRENCH WIDTH: <u>3'</u>	MAXIMUM BOTTOM DEPTH: <u>6'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10'</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:	<ul style="list-style-type: none"> Install 4-52' trenches Dig 1 perc test hole in center of SDA 	

ISSUED BY: CABATHUG 001997 ISSUE DATE: 03/09/2022 EXPIRATION DATE: 03/09/2023

- 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 DOWNGRADIENT 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 _____
- 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 ATT.

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
<u>3</u>	<u>2.5'</u>	<u>6</u>
NUMBER OF TRENCHES	<u>3</u>	
TOTAL LENGTH	<u>210 F</u>	
ABSORPTION AREA	<u>330 SF + 2' SIDE WALL</u>	
DISTRIBUTION BOX LEVEL	<u>SPEED</u>	
DISTRIBUTION BOX BAFFLE	<u>CONC.</u>	
DISTRIBUTION BOX PORT	<u>YES</u>	

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	<u>YES</u>
MANUFACTURER	<u>Babylon</u>
CAPACITY	<u>1500</u> GAL
SEAM LOC	<u>top</u>
TANK LID DEPTH	<u>20"</u>
BAFFLES	<u>front 6", back 4"</u>
BAFFLE FILTER	<u>-</u>
MANHOLE LOC	<u>front/back</u>
6" PORT LOC	<u>-</u>
WATERTIGHT TEST	<u>-</u>
SLOTTED	<u>yes</u>
DATE ON LID	<u>2/6/23</u>
PUMP/SEPTIC TANK LEVEL	<u>_____</u>
MANUFACTURER	<u>_____</u>
CAPACITY	<u>_____</u> GAL
SEAM LOC	<u>_____</u>
TANK LID DEPTH	<u>_____</u>
BAFFLES	<u>_____</u>
BAFFLE FILTER	<u>_____</u>
MANHOLE LOC	<u>_____</u>
6" PORT LOC	<u>_____</u>
WATERTIGHT TEST	<u>_____</u>
SLOTTED	<u>_____</u>
DATE ON LID	<u>_____</u>

PRE-CONSTRUCTION:

03/21/2022 SEE PERC LAYOUT NOTES MOVE D BOX BY UPPER TRENCH. TI-4 STAKED.

3/19/2023 - House connection too close to driveway, needed to be moved down. Tank wasn't moved much, just more parallel w house. Tank outside of minimal 100' well etc. Reinspect for House to tank & tank to D-box.

INSTALLATION: 03/21/2022 3 x 70' OPEN TR INSP SHOWS NO LIMITING ROCK.

OK TO PROCEED. 03/22/2022 TRS COMPLETE. D BOX LEVELED W/ SPEED LEVELS. 3/10/23 - site inspection, Contractor onsite, no SHC yet, sewer line constructed and septic tank installed, pipe to the dbox from ST is complete, dbox leveled w/ levelers, ok to backfill, reinspect for SHC. SHC Confirmed.

FINAL INSPECTOR

K. Wang

DATE OF APPROVAL

7/18/2023

Howard County Health Department

Bureau of Environmental Health, Columbia, MD 21045 - 410-313-1771

SEWAGE DISPOSAL PERMIT NO. A- _____ P- 570989

RESIDENTIAL PERMIT
(NUMBER OF BEDROOMS: _____)

COMMERCIAL PERMIT
(DESIGN FLOW: _____ GPD)

PERMITEE:

LOCATION:

3408 Woodbine Road Timberleigh Harvestlands

****POST THIS CARD WHERE IT CAN BE SEEN FROM ROAD****

STOP ALL CONSTRUCTION ON SEWAGE DISPOSAL SYSTEM AND CONTACT HEALTH DEPARTMENT BEFORE CONTINUING

Inspector

Date

WORK IS SATISFACTORY, OK TO CONTINUE

Inspector

Date

COMMENTS:

FINAL INSPECTION MADE, OK TO COVER ALL WORK

Inspector

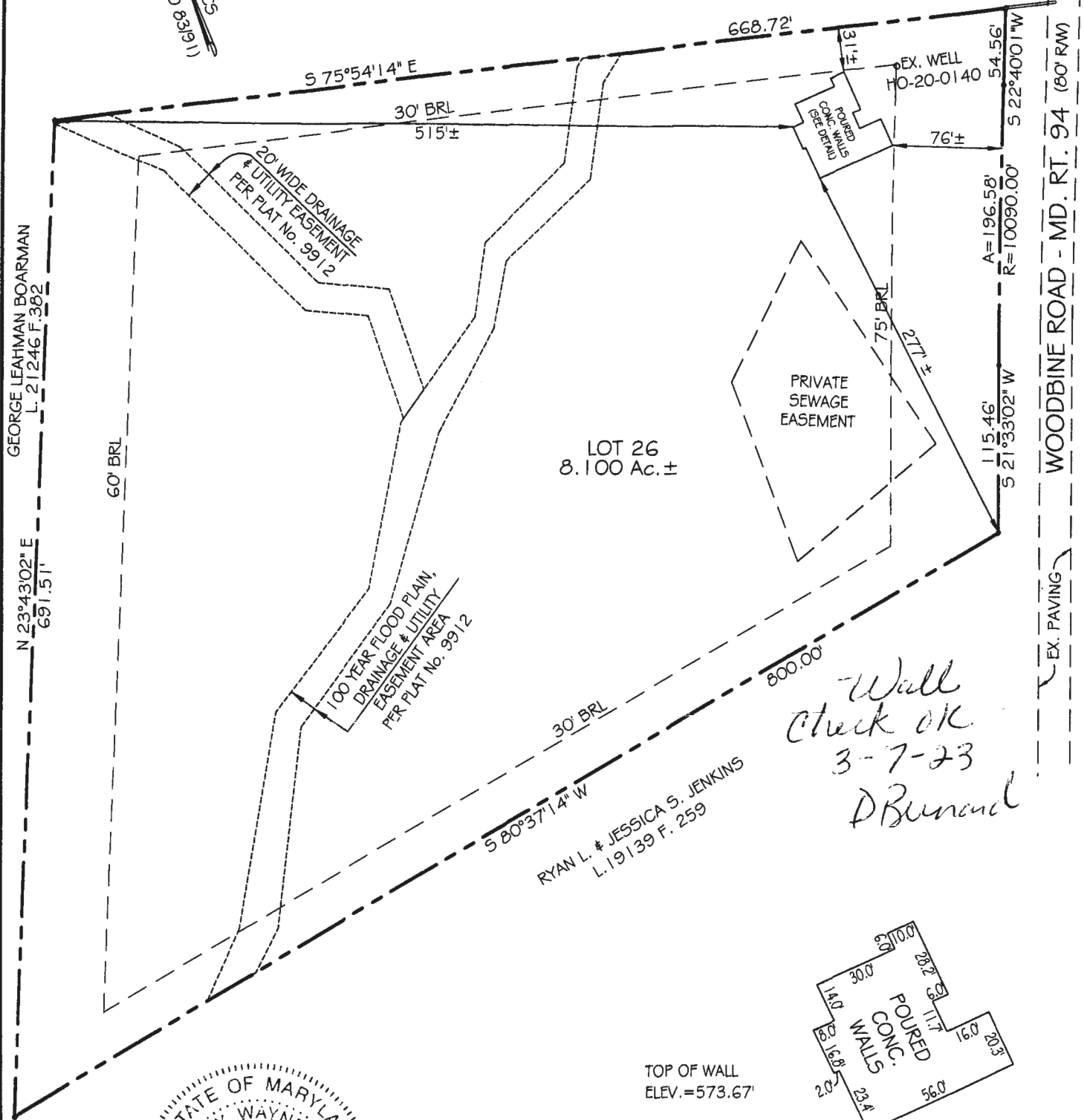
Date

NOTES:

1. REQUIRED BRLS: FRONT: 75' SIDE: 30' REAR: 60'
2. FOOTINGS AND FOUNDATION ARE IN PLACE AS SHOWN HEREON.
3. TOP OF WALL ELEV. = 573.67'
4. BUILDING TIES ARE ±0.5' UNLESS OTHERWISE NOTED.



GEORGE LEAHMAN BOARMAN
L. 21246 F.382



*Wall
check OK
3-7-23
D. Brunard*



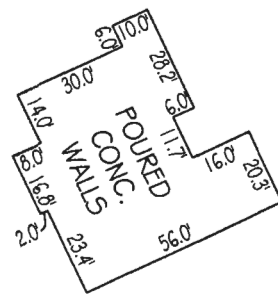
PROFESSIONAL CERTIFICATION:

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 11/17/2022
Date

For VanMar Associates, Inc.
Jeffery W. Elkins, Prof. Land Surveyor

TOP OF WALL
ELEV. = 573.67'



HOUSE DETAIL
SCALE: 1" = 50'

WALL CHECK DRAWING
LOT 26, SECTION I
**TIMBERLEIGH
HOMESTEADS**
PLAT NO. 9912
3408 WOODBINE ROAD
ELECTION DISTRICT NO. 4
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' NOVEMBER 2022

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 CARROLL COUNTY, MARYLAND, AS REFERENCED HEREON.



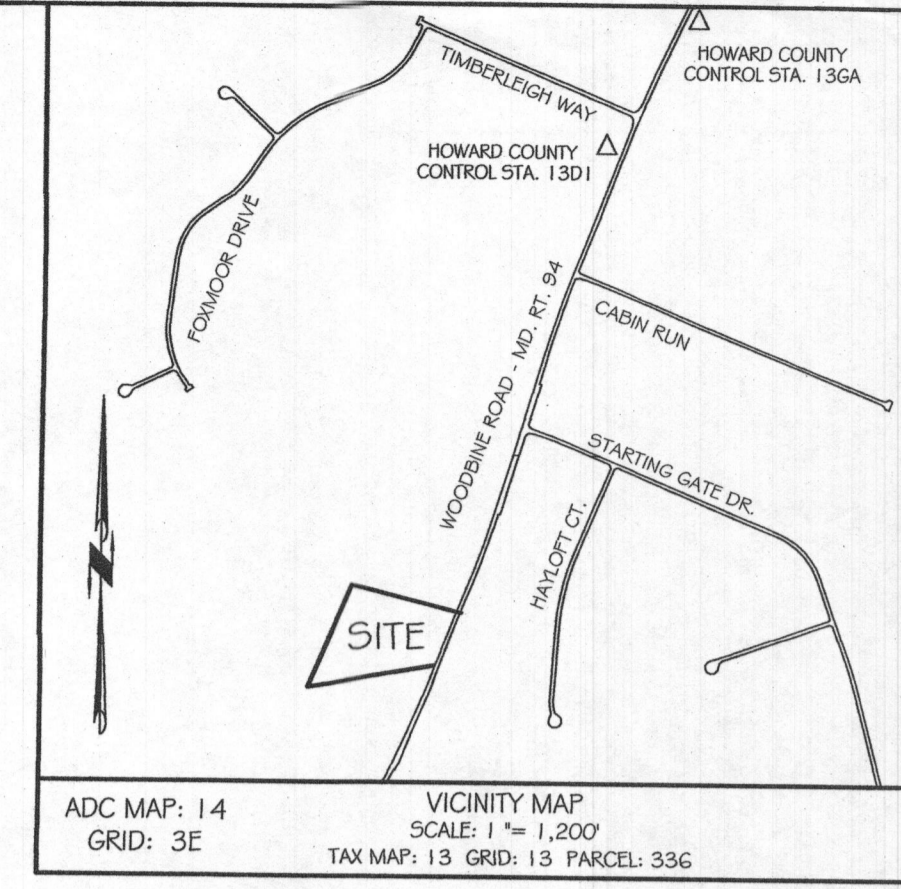
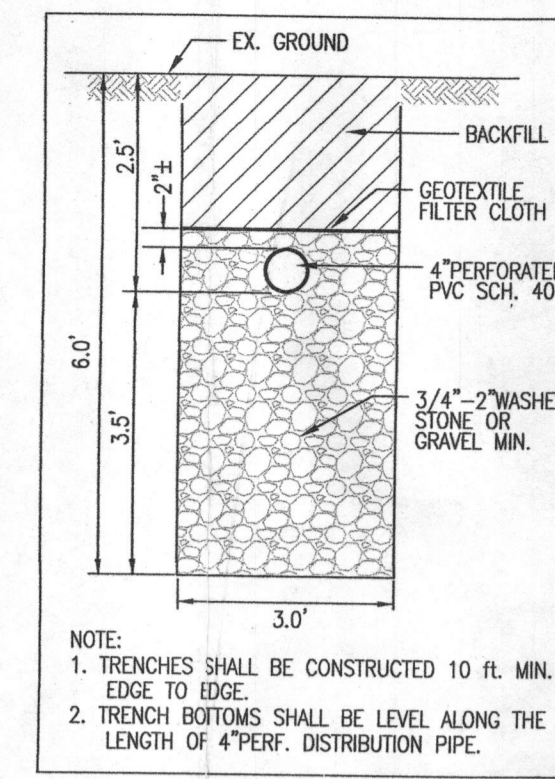
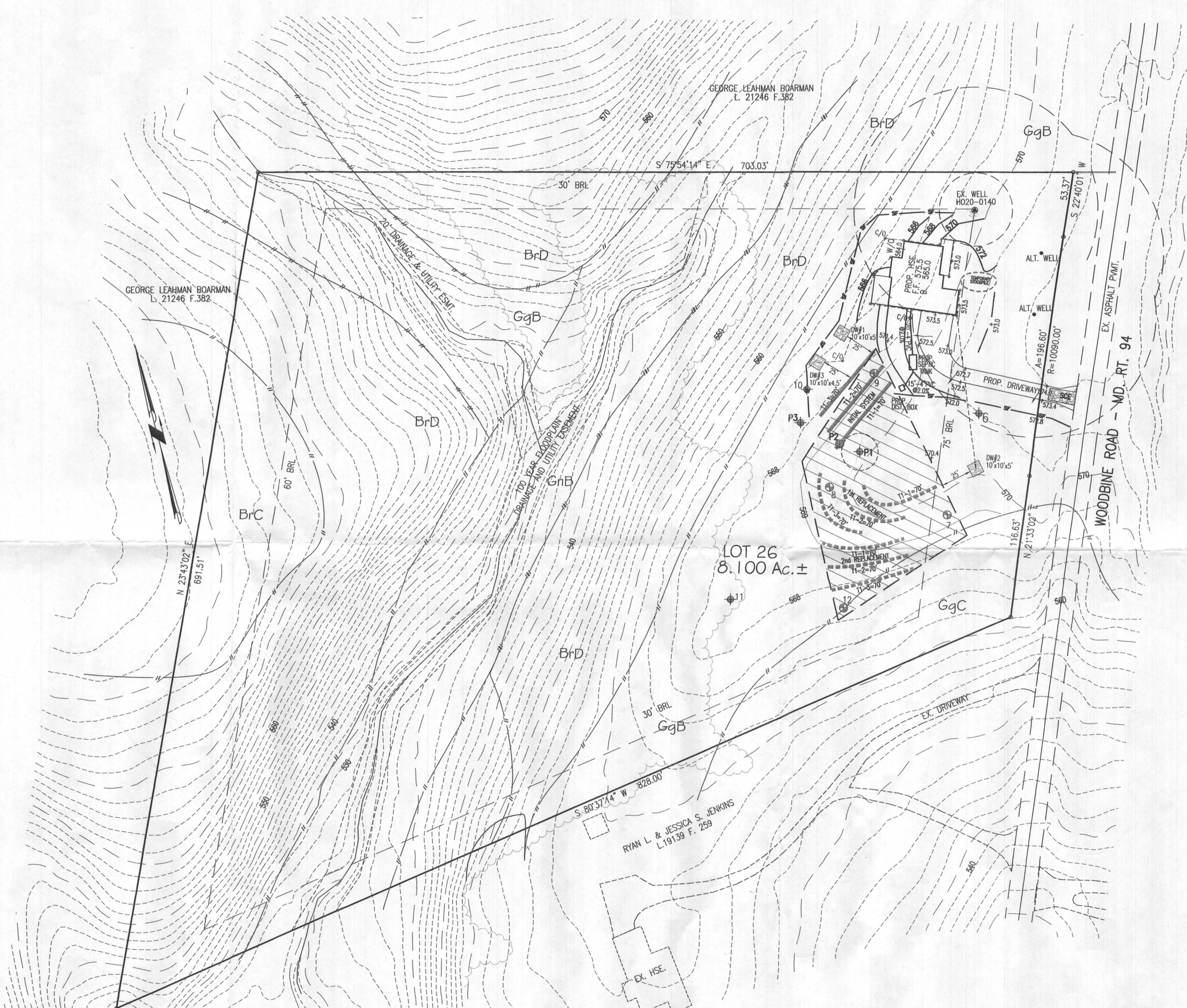
VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
©Copyright, Latest Date Shown

REFERENCE

JOB NO.

PLAT NO. 9912

C2-6238



GENERAL NOTES:

1. TOPOGRAPHY & PLANNING 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.
2. THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
3. ZONING DISTRICT: RC-DEO
4. LIMIT OF DISTURBANCE (LOD) = SQ.FT.
5. THERE ARE NO STREAMS, PONDS, FLOODPLANS OR WETLANDS ON THIS LOT.
6. 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 = 4
 APPLICATION RATE = 0.6 GPD / sq.ft.
 DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD
 600 GPD / 0.6 GPD/sq.ft. = 1000 sq.ft.
 1000 sq.ft. / 3 ft. WIDE TRENCH = 333.3 LF TRENCH
 333.3 LF TRENCH X 0.625 REDUCTION CREDIT = 210 LF TRENCH
 TRENCH T1-1 EX. GRD=569.5 -INV. TRENCH=567.0 -B. TRENCH=563.5
 TRENCH T1-2 EX. GRD=568.7 -INV. TRENCH=566.2 -B. TRENCH=562.7
 TRENCH T1-3 EX. GRD=568.0 -INV. TRENCH=565.5 -B. TRENCH=562.0

1st REPLACEMENT
 APPLICATION RATE = 0.6 GPD / sq.ft.
 DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD
 600 GPD / 0.6 GPD/sq.ft. = 1000 sq.ft.
 1000 sq.ft. / 3 ft. WIDE TRENCH = 333.3 LF TRENCH
 333.3 LF TRENCH X 0.625 REDUCTION CREDIT = 210 LF TRENCH
 TRENCH T2-1 EX. GRD=570.1 -INV. TRENCH=567.1 -B. TRENCH=564.1
 TRENCH T2-2 EX. GRD=569.8 -INV. TRENCH=566.8 -B. TRENCH=563.8
 TRENCH T2-3 EX. GRD=569.4 -INV. TRENCH=566.4 -B. TRENCH=563.4

2nd REPLACEMENT
 APPLICATION RATE = 0.6 GPD / sq.ft.
 DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD
 600 GPD / 0.6 GPD/sq.ft. = 1000 sq.ft.
 1000 sq.ft. / 3 ft. WIDE TRENCH = 333.3 LF TRENCH
 333.3 LF TRENCH X 0.625 REDUCTION CREDIT = 210 LF TRENCH
 TRENCH T3-1 EX. GRD=569.1 -INV. TRENCH=566.1 -B. TRENCH=563.1
 TRENCH T3-2 EX. GRD=568.5 -INV. TRENCH=565.5 -B. TRENCH=562.5
 TRENCH T3-3 EX. GRD=567.9 -INV. TRENCH=564.9 -B. TRENCH=561.9

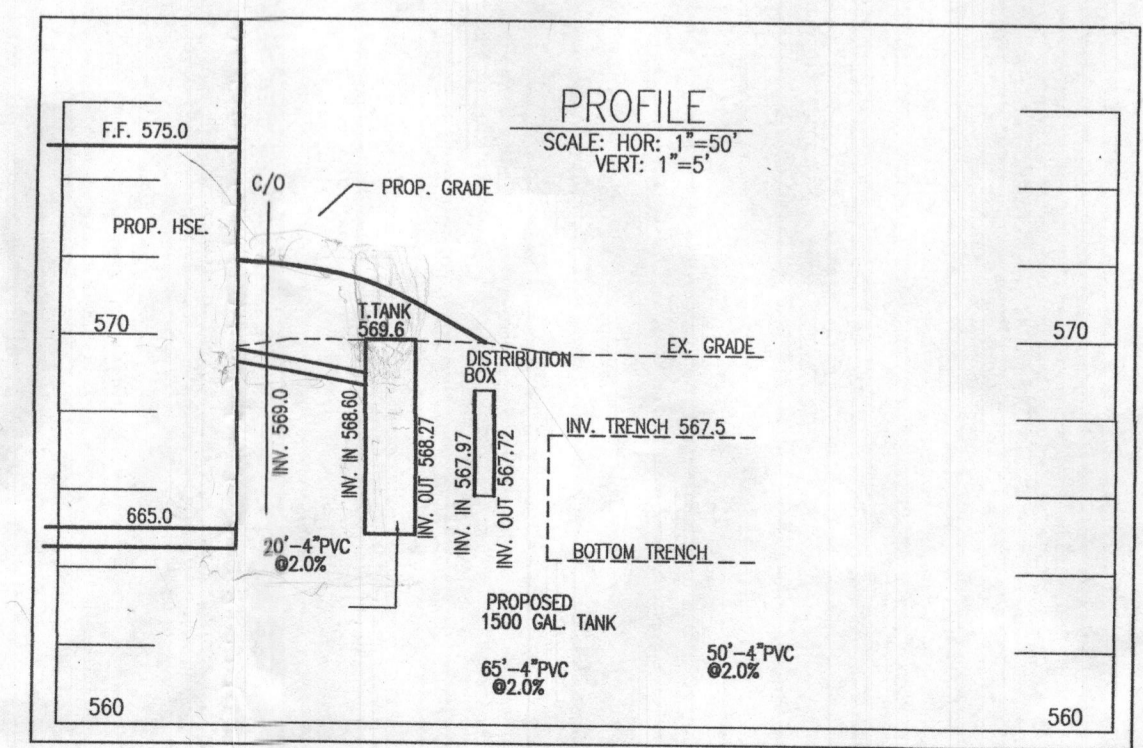
SITE PLAN NOTES:

1. 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.
2. MAXIMUM COVER OVER THE TANK IS 3 FEET. GREATER DEPTH WILL REQUIRE A HEAVY LOAD BEARING TANK.
3. ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
4. THE EX. WELL HO-20-0140 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
5. 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: ⊙

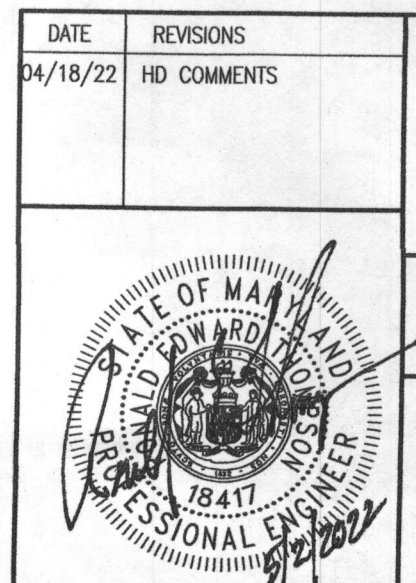
Approved Septic System Plan
 Howard County Health Department
 Hans Oswald 5/5/22
 Signature Date



OWNER: WILLIAM B. MARTIN FAMILY TRUST
 17541 TIMBERLEIGH WAY
 WOODBINE, MD. 21797

OWNER / DEVELOPER:
 VIKING CUSTOM HOMES
 815 WINDRIVER DRIVE
 SYKESVILLE, MD. 21762
 410-977-2188

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
04/18/22	HD COMMENTS

ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
 3408 WOODBINE ROAD
 LOT 26
 TIMBERLEIGH HOMESTEADS
 PLAT NO. 9912

TAX MAP: 13
 GRID NO: 13
 PARCEL NO: 336

ELECTION DISTRICT: No. 4
 HOWARD COUNTY, MARYLAND
 EX. ZONING: RC-DEO

SCALE: 1" = 50'
 DATE: MARCH, 2022
 SHEET 1 OF 1

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