

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

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

RECEIPT DATE: 8/23/23 ONSITE SEWAGE DISPOSAL SYSTEM

P 575003

APPROVAL DATE: 9/15/2023 PERMIT: CONSTRUCTION

A

PROPERTY ADDRESS: 1965 Long Corner Road, Mt. Airy, MD 21771

upside

SUBDIVISION: Kogan Trust Property

LOT: 13

TAX ID: 1404340515

CONTRACTOR: WTC Contractors

EMAIL:

CONTRACTOR ADDRESS: 3033 Salem Bottom Road, Westminster, MD 21157

PHONE: (410) 875-9771

PROPERTY OWNER: Michelle Mace Miller

EMAIL: Miller5251@verizon.net

OWNER ADDRESS: 1966 Long Corner Road, Mt. Airy, MD 21771

PHONE: (443) 306-3486

SEPTIC TANK SIZE (GALLONS): 2000

TANK MANUFACTURER:

PUMP MODEL: n/a

PUMP SIZE

n/a

PUMP TANK CAPACITY: n/a

DISTRIBUTION SYSTEM: GRAVITY

PRESSURE DOSED

BEDROOMS: 7

APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: 200 284' 100'	INLET DEPTH: 3.5 2.5
	TRENCH WIDTH: 2	MAXIMUM BOTTOM DEPTH: 7
	MINIMUM SPACE BETWEEN TRENCHES: 10	EFFECTIVE AREA BEGINNING DEPTH: 4
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: Hank Oswald

ISSUE DATE: 8/23/23

EXPIRATION DATE: 8/23/24

- 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 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 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 As built

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	2.5'-3'	7'
NUMBER OF TRENCHES 1		
TOTAL LENGTH 100		
ABSORPTION AREA 200'		
DISTRIBUTION BOX LEVEL YES		
DISTRIBUTION BOX BAFFLE YES		
DISTRIBUTION BOX PORT YES		

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	YES
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	2'-1.5'
BAFFLES	6" front & 4" back
BAFFLE FILTER	
MANHOLE LOC	Front & back
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	YES
DATE ON LID	7/13/2023
PUMP/SEPTIC TANK LEVEL	N/A
MANUFACTURER	
CAPACITY	
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION:

8/25/23 - Met contractor onsite, had already exposed the existing dbox and beginning of the 2 existing trenches approximately 2'-1.5' apart ETE, contractor had back hoe onsite trying to locate the ends of the 2 existing trenches, while digging to expose the upper trench they ripped out 10' of distribution pipe which will need to be replaced, while exposing the lower existing trench they discovered there was no geotextile fabric on top of the stone on either end of both existing trenches, stone looked ok, there was a horse watering trough on top of the line from the dbox to the existing trenches which needs to be removed. dbox to be replaced, septic tank staked

INSTALLATION: but the contractor wants to slightly change the orientation of the sewer line to the tank to accommodate the homeowner who wants to build a pool, ok to adjust sewer line, a 3" trench was laid out on contour according to plan @ 100' and 11' ETE with existing lower trench. ok to continue w/ installation. Add obs ports to ex trenches

8/29/2023 - Installer onsite for inspection, inspectal front line coming out of house. 3 c/o installed. SCLIP 40 PVC used.

Gene installer out to backfill front line, reinspect for connection to tank. Sept tank, tank in good condition.

8/29/2023 - 12th set, front has 2'-1.5' of cover. line from tank to D-box installed, 1 c/o + adequate fall.

Trimmed out c/o to house & tank to house. upper trench successfully repaired, distribution pipe, stone, & obs port installed. Installer called b' of next trench met & added obs port & cloth. Saw 9" back baffle & slot. ok to backfill.

FINAL INSPECTOR

S. Page

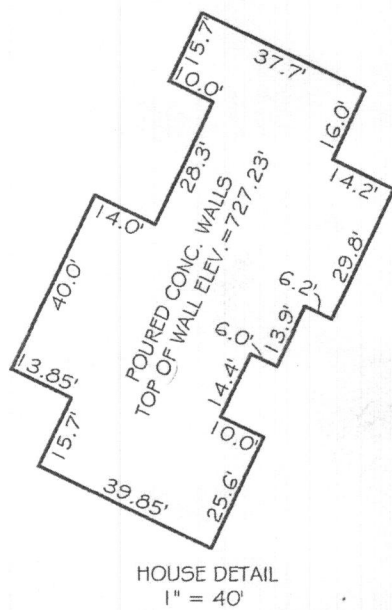
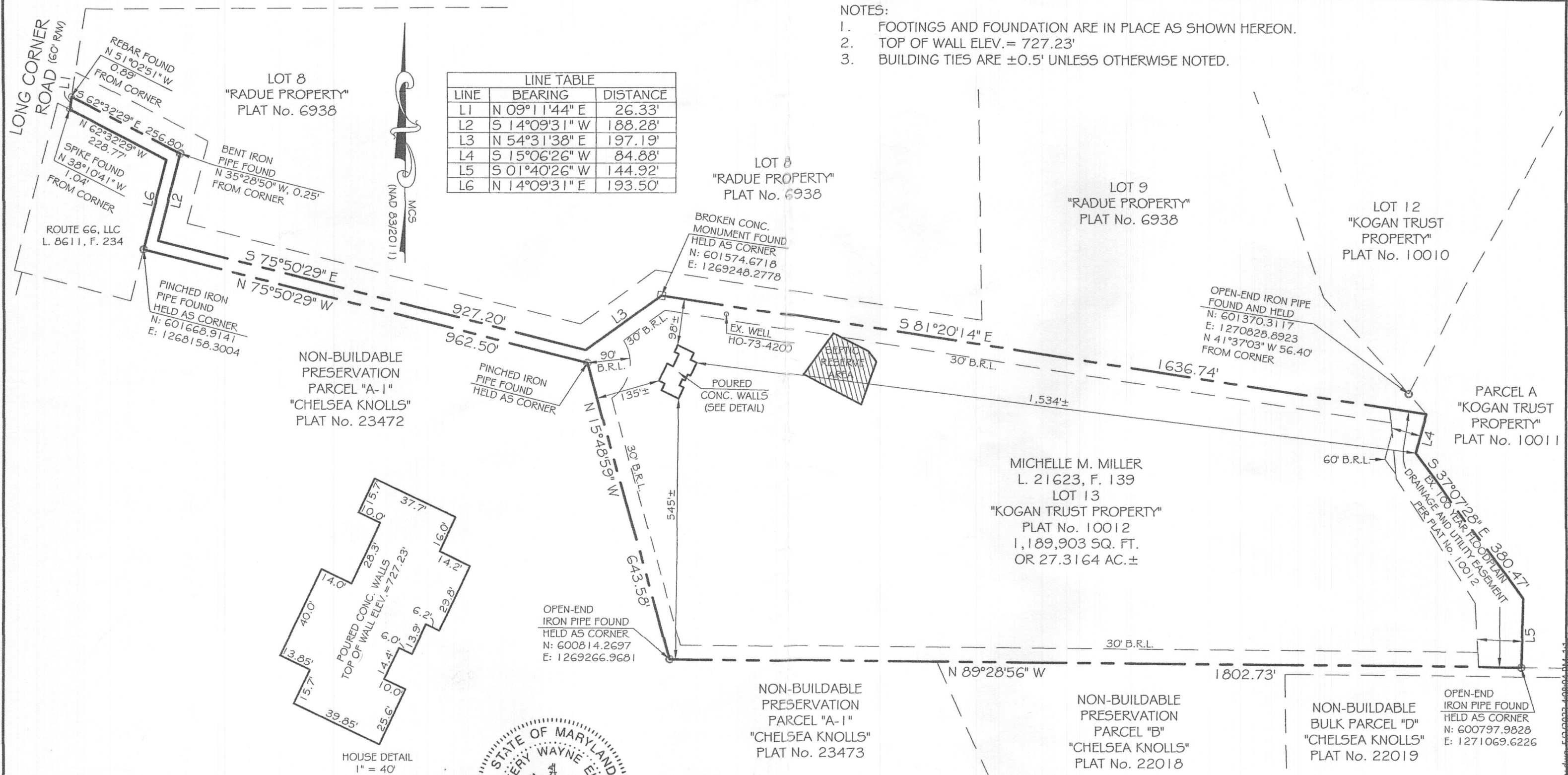
DATE OF APPROVAL

9/15/2023

8/30/2023 - saw 6" front baffle. field line onsite staked. 40' of new trench finished. stone & fabric ok.
9/15/2023 - leveled d-box. saw baffle & port. obs ports seen @ beginning & ends of all trenches new & existing. New trench length @ 100', inlet @ 2.5'-3'. ok to backfill.

- NOTES:
1. FOOTINGS AND FOUNDATION ARE IN PLACE AS SHOWN HEREON.
 2. TOP OF WALL ELEV. = 727.23'
 3. BUILDING TIES ARE ±0.5' UNLESS OTHERWISE NOTED.

LINE	BEARING	DISTANCE
L1	N 09°11'44" E	26.33'
L2	S 14°09'31" W	188.28'
L3	N 54°31'38" E	197.19'
L4	S 15°06'26" W	84.88'
L5	S 01°40'26" W	144.92'
L6	N 14°09'31" E	193.50'



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 5/2/2023
Date

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

WALLCHECK DRAWING
LANDS CONVEYED TO
MICHELLE M. MILLER
LIBER 21623, FOLIO 139
LOT 13, "KOGAN TRUST PROPERTY"
PLAT No. 10012
1965 LONG CORNER ROAD
ELECTION DISTRICT NO. 4
HOWARD COUNTY, MARYLAND
SCALE: 1"=200' MAY, 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	JOB NO.
L 21623, F. 139; PLAT No. 10012	C2-6347

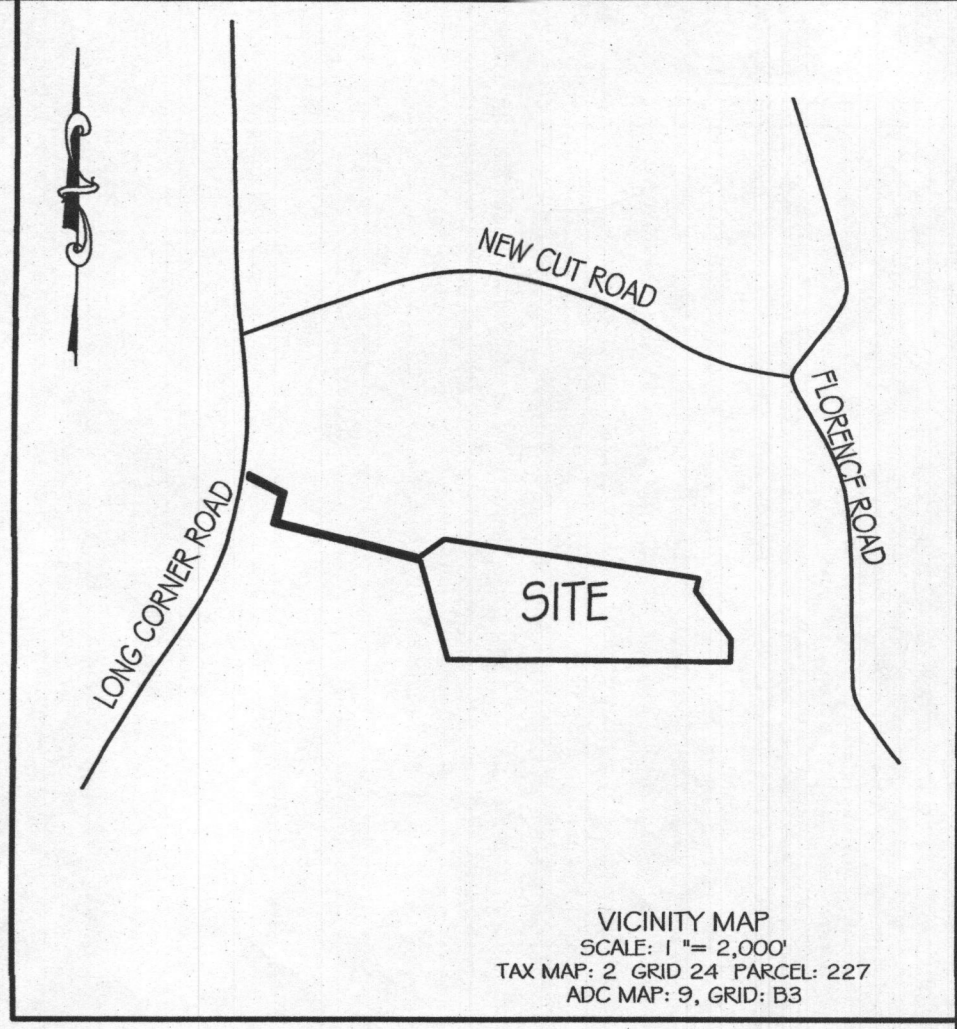


VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown

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SOIL LEGEND					
MAP SYMBOL	MAPPING UNIT	HYDROLOGIC SOIL GROUP	HYDRIC COMPONENTS	Kw	SLOPE
OcC	OCCOQUAN LOAM	B	NO	0.37	δ-15%
GgC	GLENELG LOAM	B	NO	0.24	δ-15%
GgB	GLENELG LOAM	B	NO	0.24	3-8%
GmB	GLENVILLE SILT	C	NO	0.37	3-8%
GnB	GLENVILLE BAILE SILT	C	NO	0.43	0-8%

WEB SOIL SURVEY

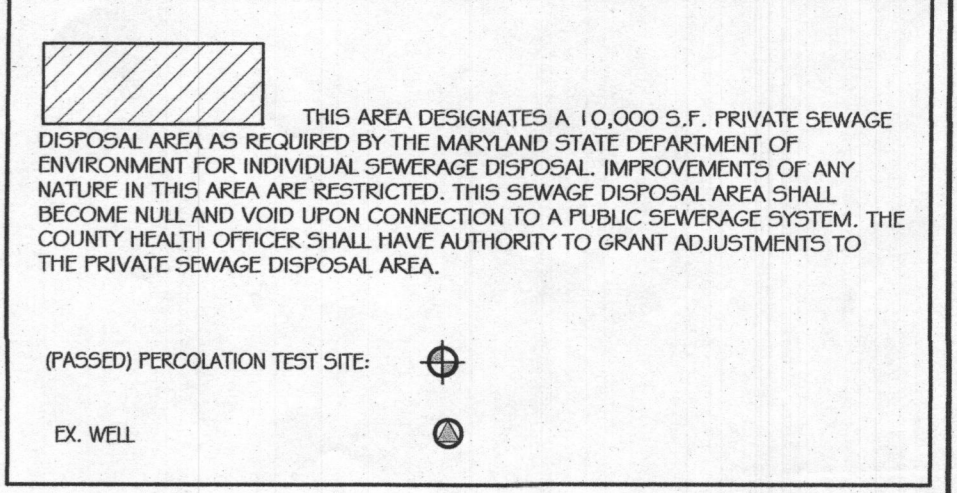


- GENERAL NOTES:**
- TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
 - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
 - ZONING DISTRICT: RC-DEO
 - LIMIT OF DISTURBANCE (LOD) = 24,500 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 N-3 SHEET FLOW TO CONSERVATION AREA.

- SEPTIC SYSTEM TRENCH DESIGN**
- INITIAL NUMBER OF BEDROOMS = 7
APPLICATION RATE = 0.8 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 7 BEDROOMS = 1050 GPD
1050 GPD / 0.8 GPD/sq.ft. = 1312.5 sq.ft.
1312.5 sq.ft. / 2 ft. WIDE TRENCH = 656.25 LF TRENCH
656.25 LF TRENCH X 0.44 REDUCTION CREDIT = 289 LF TRENCH
- EX. TRENCH T1-1 EX. GRD=711.0 -INV. TRENCH=708.5 -B. TRENCH=704.0
EX. TRENCH T1-2 EX. GRD=710.0 -INV. TRENCH=707.5 -B. TRENCH=703.0
PROP. TRENCH T1-3 EX. GRD=709.0 -INV. TRENCH=706.5 -B. TRENCH=702.0
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1125 sq.ft. / 3 ft. WIDE TRENCH = 437.5 LF TRENCH
437.5 LF TRENCH X 0.42 REDUCTION CREDIT = 183.75 LF TRENCH
- TRENCH T2-1 EX. GRD=708.0 -INV. TRENCH=705.5 -B. TRENCH=700.0
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- 2nd REPLACEMENT
APPLICATION RATE = 0.8 GPD / sq.ft.
DESIGN FLOW: 150 GPD X 7 BEDROOMS = 1050 GPD
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- SITE PLAN NOTES:**
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 - MAXIMUM COVER OVER THE TANK IS 3 FEET. GREATER DEPTH WILL REQUIRE A HEAVY LOAD BEARING TANK.
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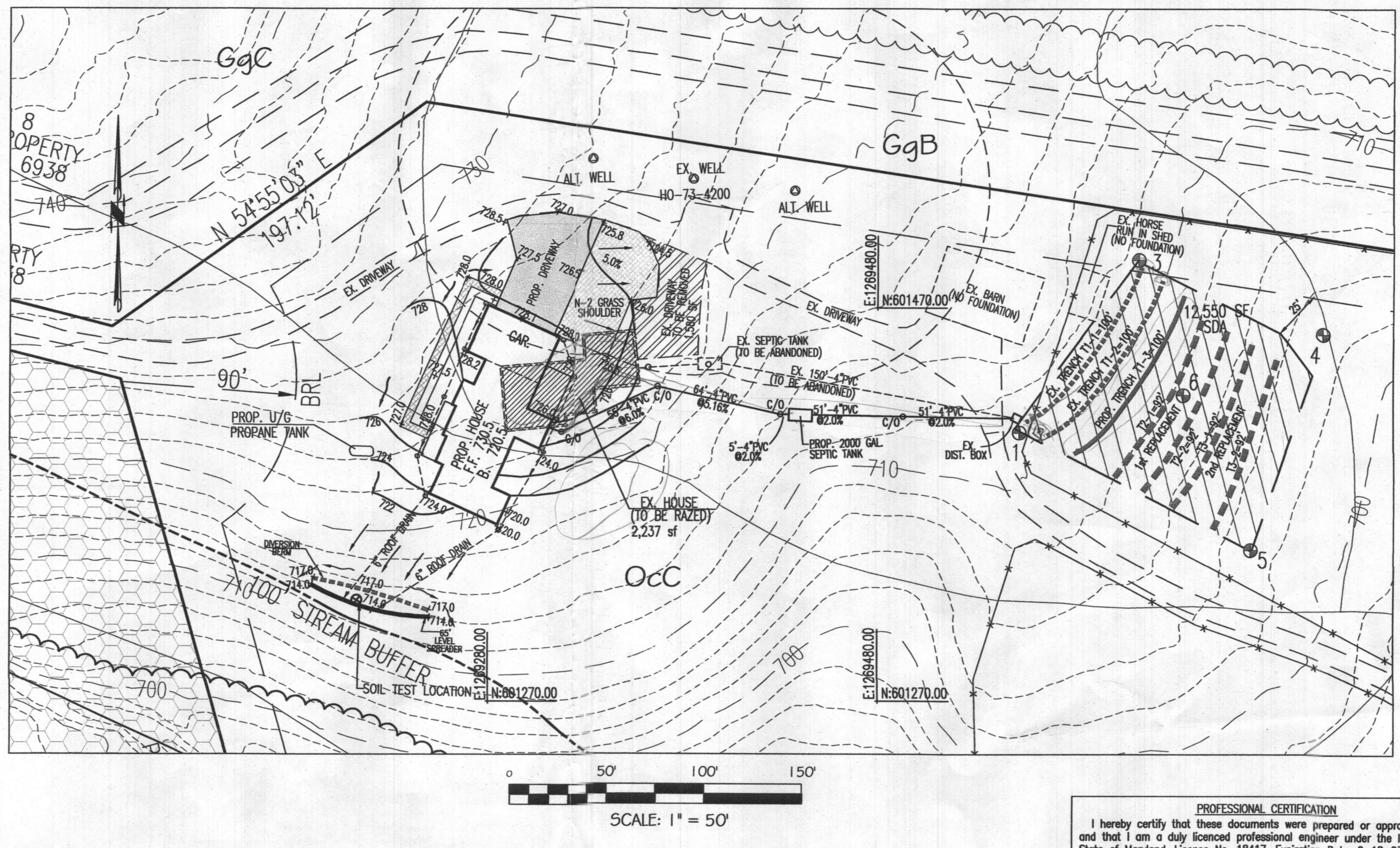
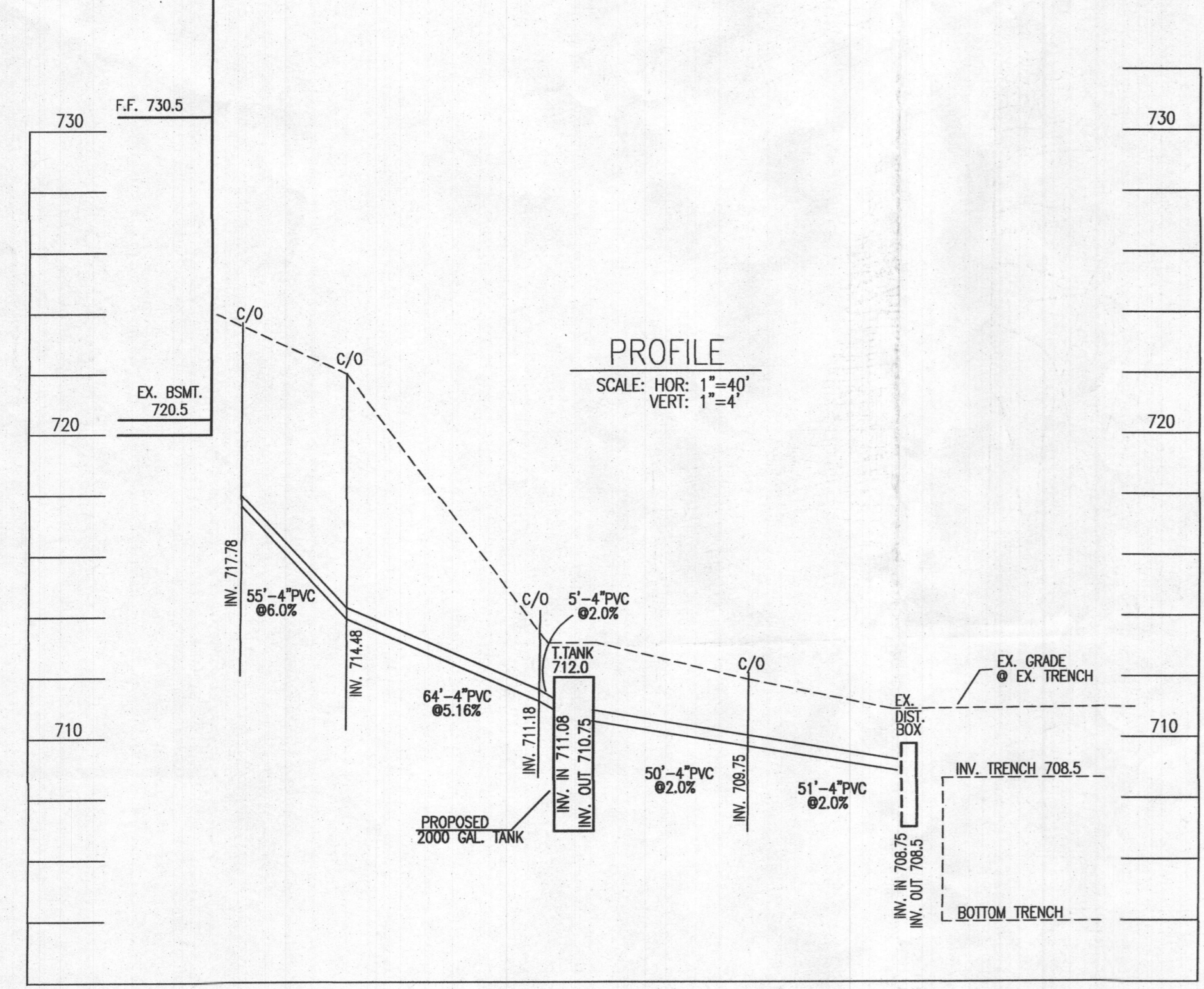
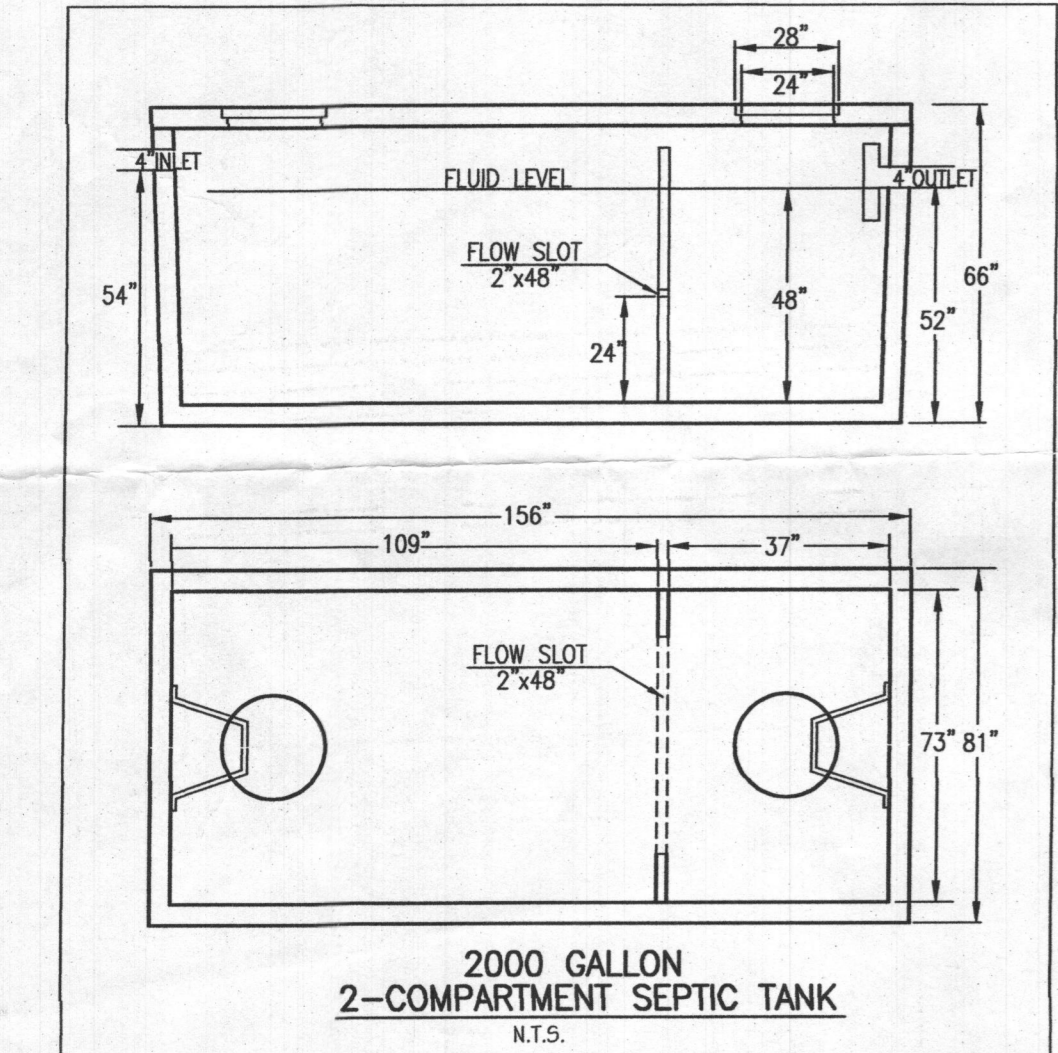
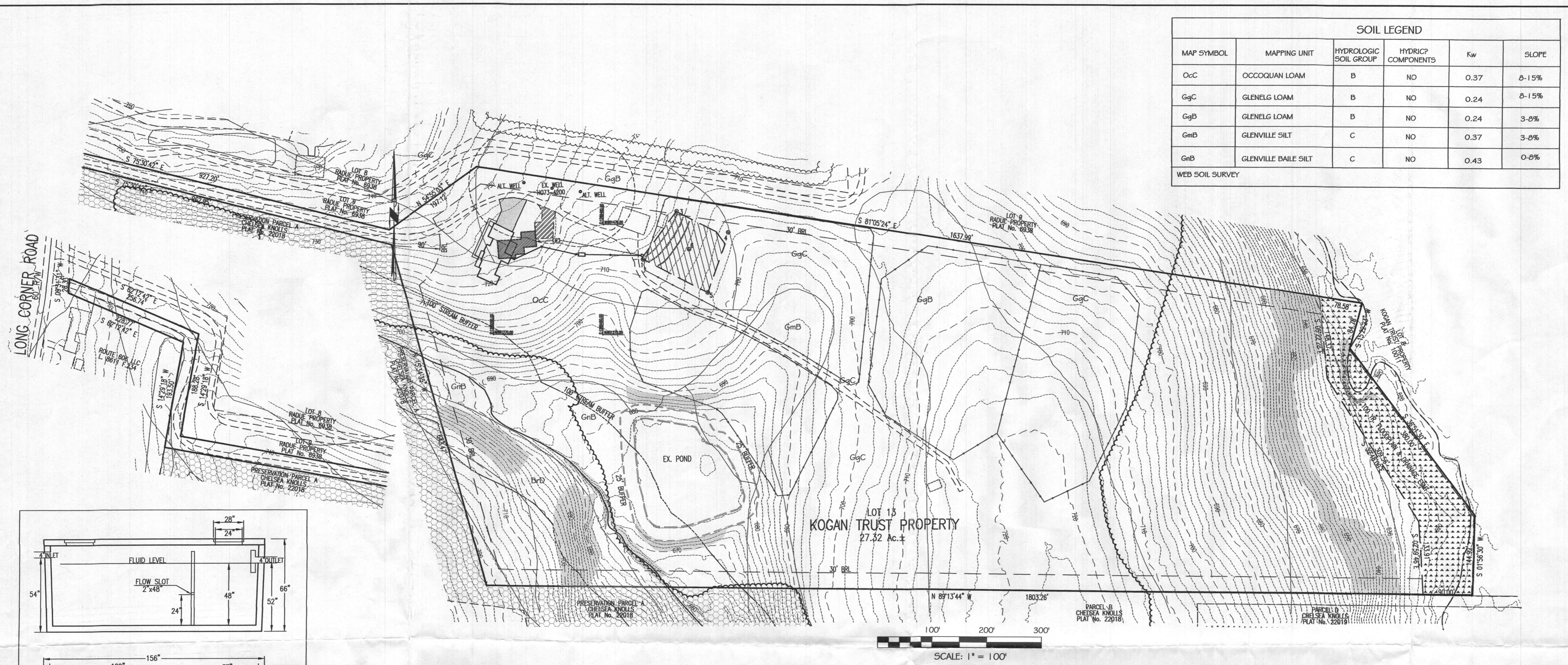
Approved Septic System Plan
Howard County Health Department
[Signature] 2/1/2023
Signature Date

OWNER:
MICHELLE MACE MILLER
1965 LONG CORNER ROAD
MT. AIRY, MD. 21771

ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 13
KOGAN TRUST PROPERTY
PLAT No. 10012
1965 LONG CORNER ROAD

TAX MAP: 6 ELECTION DISTRICT: FOURTH SCALE: 1"=50'
GRID NO: 23 HOWARD COUNTY, MARYLAND DATE: DECEMBER, 2022
PARCEL NO: 247 EX. ZONING: RCDEO SHEET 1 OF 1

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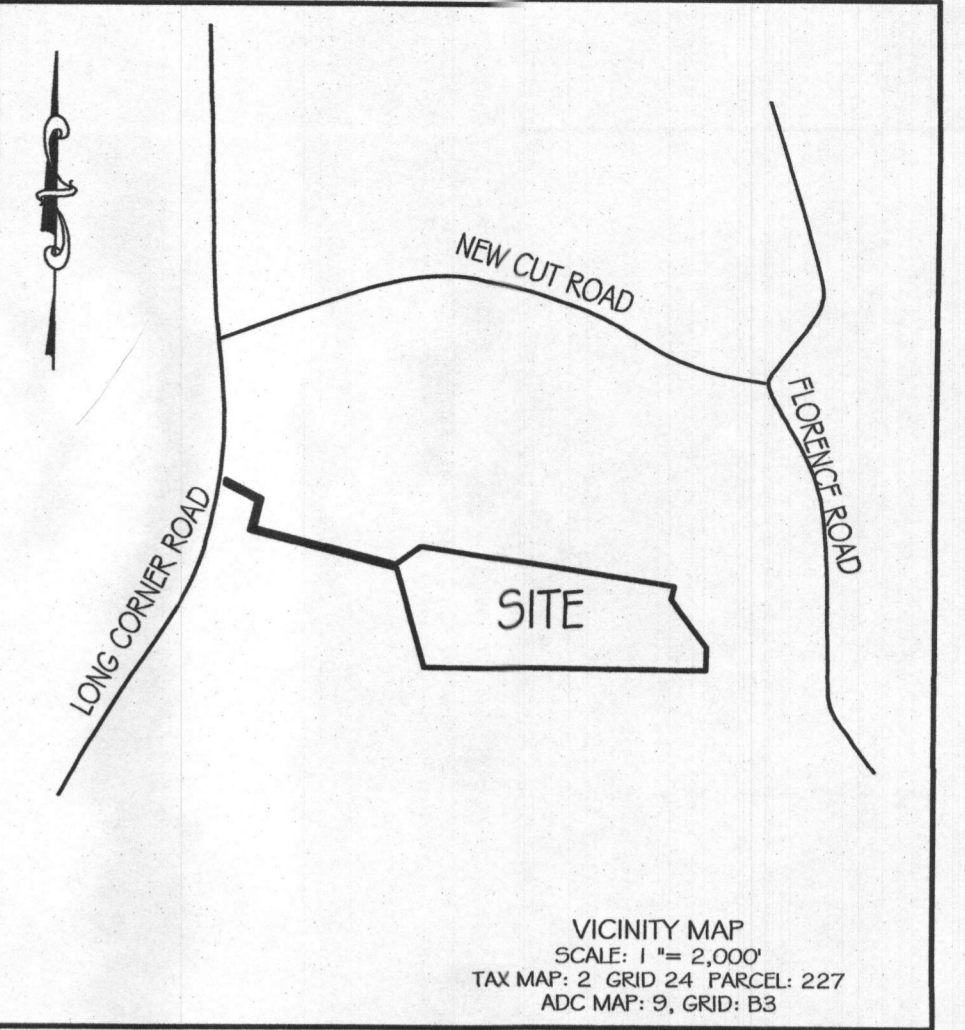
PROFESSIONAL CERTIFICATION
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 18412, Expiration Date: 9-18-23.



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SOIL LEGEND					
MAP SYMBOL	MAPPING UNIT	HYDROLOGIC SOIL GROUP	HYDRIC COMPONENTS	Kw	SLOPE
OcC	OCOQUAN LOAM	B	NO	0.37	0-15%
GgC	GLENELG LOAM	B	NO	0.24	0-15%
GgB	GLENELG LOAM	B	NO	0.24	3-8%
GmB	GLENVILLE SILT	C	NO	0.37	3-8%
GmB	GLENVILLE BAILE SILT	C	NO	0.43	0-8%

WED SOIL SURVEY



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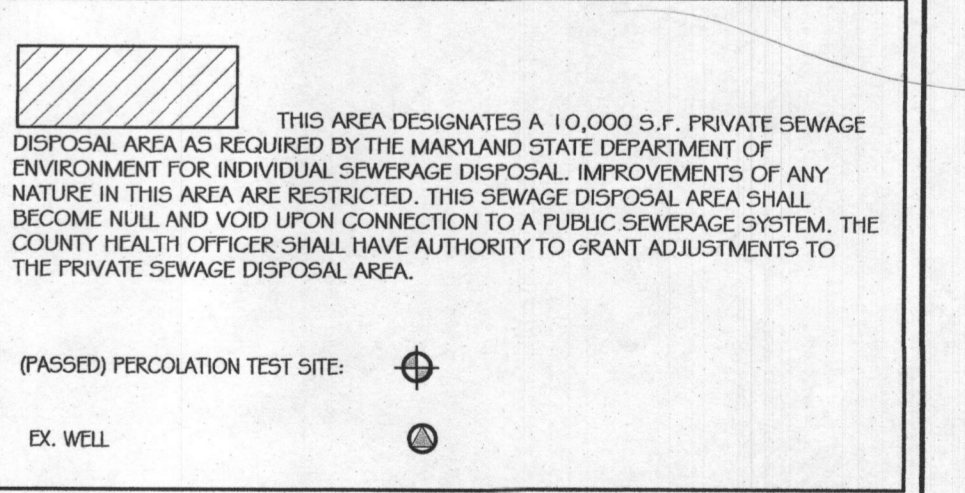
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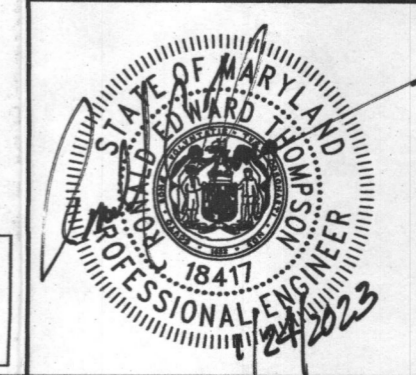
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OWNER:
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MT. AIRY, MD. 21771

ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
LOT 13
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TAX MAP: 6 GRID NO: 23 PARCEL NO: 247 ELECTION DISTRICT: FOURTH HOWARD COUNTY, MARYLAND EX. ZONING: RCDEO SCALE: 1"=50' DATE: DECEMBER, 2022 SHEET 1 OF 1

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PROFESSIONAL CERTIFICATION
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