

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: 7-10-23 **ONSITE SEWAGE DISPOSAL SYSTEM** P 574942
 APPROVAL DATE: 8/4/2023 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 10918 Tompkins Way
 SUBDIVISION: Preserve at Waverly Glen LOT: 7 TAX ID: 3342468
 CONTRACTOR: _____ EMAIL: _____
 CONTRACTOR ADDRESS: _____ PHONE: _____
 PROPERTY OWNER: Michael Pfau EMAIL: tkeane@trinityhomes.com
 OWNER ADDRESS: 3675 Park Avenue Ellicott City, MD 21043 PHONE: 443-324-9806
 SEPTIC TANK SIZE (GALLONS): 1500 GAL TANK MANUFACTURER: Mayer Bros
 PUMP MODEL: N/A PUMP SIZE N/A PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: _____ APPLICATION RATE: _____

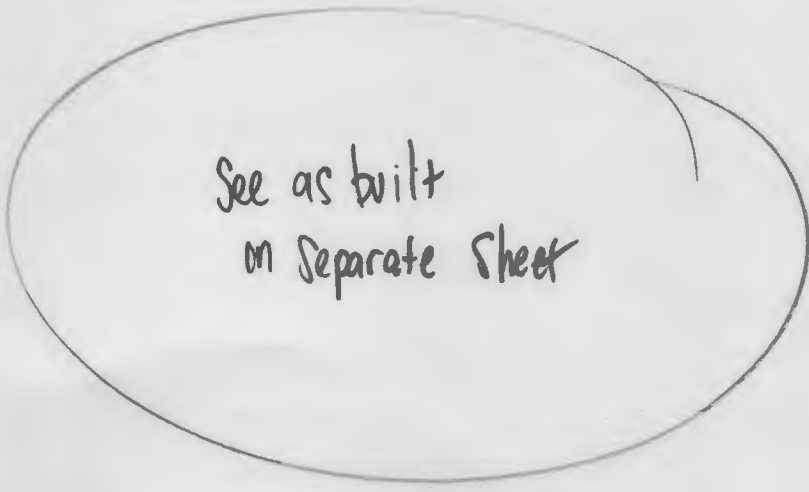
TRENCHES:	LINEAR FEET REQUIRED: <u>76' (2 @ 38')</u>	INLET DEPTH: <u>3' (gravel 2.5')</u>
	TRENCH WIDTH: <u>3'</u>	MAXIMUM BOTTOM DEPTH: <u>8'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>N/A (center-feed)</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3'</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	***Trench 1 shown exactly 10' off property line.*** *Space between trenches end to end 5' to allow two lines from dbx to start of trenches*	

ISSUED BY: Zack Silvast ISSUE DATE: 7-11-23 EXPIRATION DATE: 7-10-24

- 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



ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		77
ABSORPTION AREA		231 ft'
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes
 MANUFACTURER 13 by 100
 CAPACITY 1500 GAL
 SEAM LOC Top
 TANK LID DEPTH 1.5'
 BAFFLES 4" back & 6" front
 BAFFLE FILTER _____
 MANHOLE LOC Front & back
 6" PORT LOC _____
 WATERTIGHT TEST —
 SLOTTED yes
 DATE ON LID 6/14/2023

PUMP/SEPTIC TANK LEVEL N/A

MANUFACTURER _____
 CAPACITY _____ GAL
 SEAM LOC _____
 TANK LID DEPTH _____
 BAFFLES _____
 BAFFLE FILTER _____
 MANHOLE LOC _____
 6" PORT LOC _____
 WATERTIGHT TEST _____
 SLOTTED _____
 DATE ON LID _____

PRE-CONSTRUCTION:

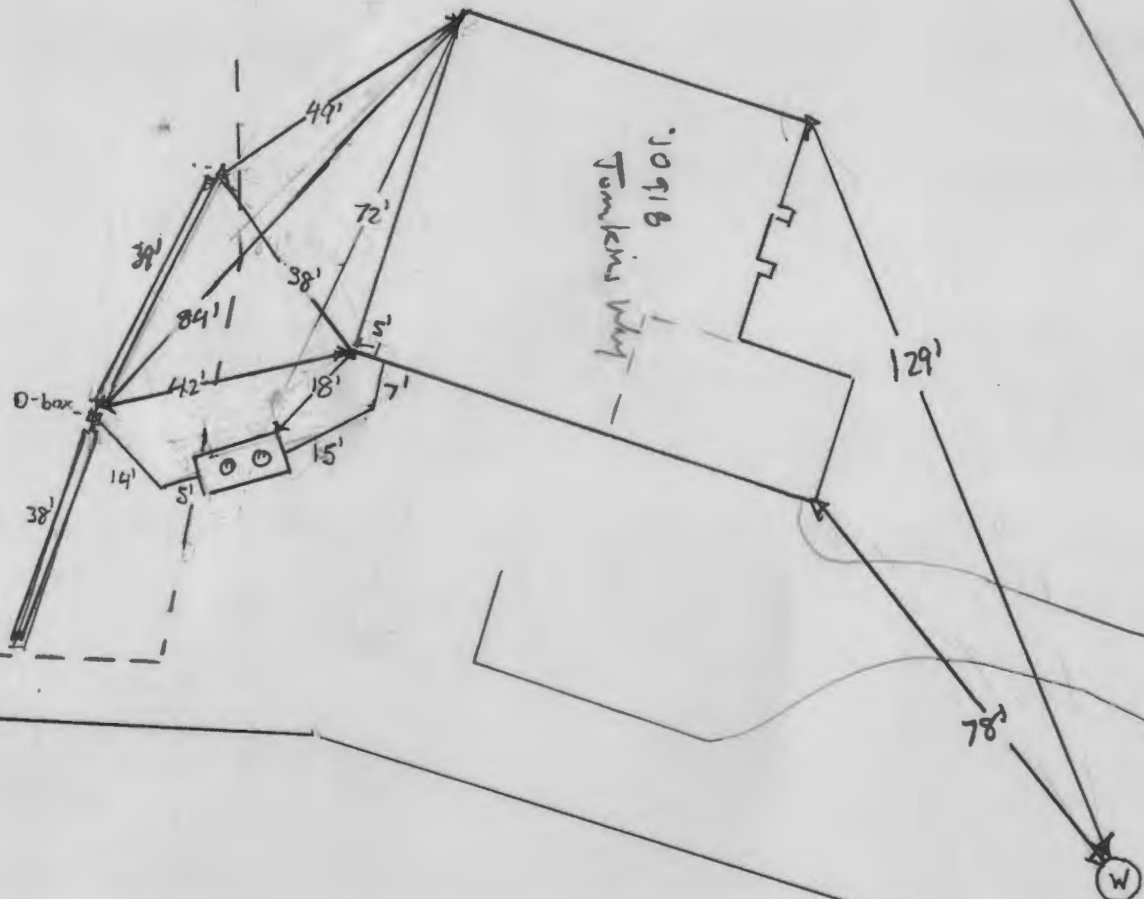
8/3/2023 SDA + trenches staked per plan. Elevations staked in field. Trenches confirmed in field. Tank staked. Hung over need to keep tank 3' deep max (K)

INSTALLATION: 8/3/2023 - Sewer not coming out of house. Reinspect for c/o. Adequate fall @ line to inlet & adequate fall @ line from outlet. SMD 90 PVC used. Tank set 1.5' of cover on tank, back baffle installed. D-box set. Reinspect to see both trenches. 8/4/2023 - D-box connected to 2 trenches. D-box leveled while onsite. trench lengths @ 39' & 38'. Saw obs parts @ end of trench. Inlet & width @ 3' per plan. (K)

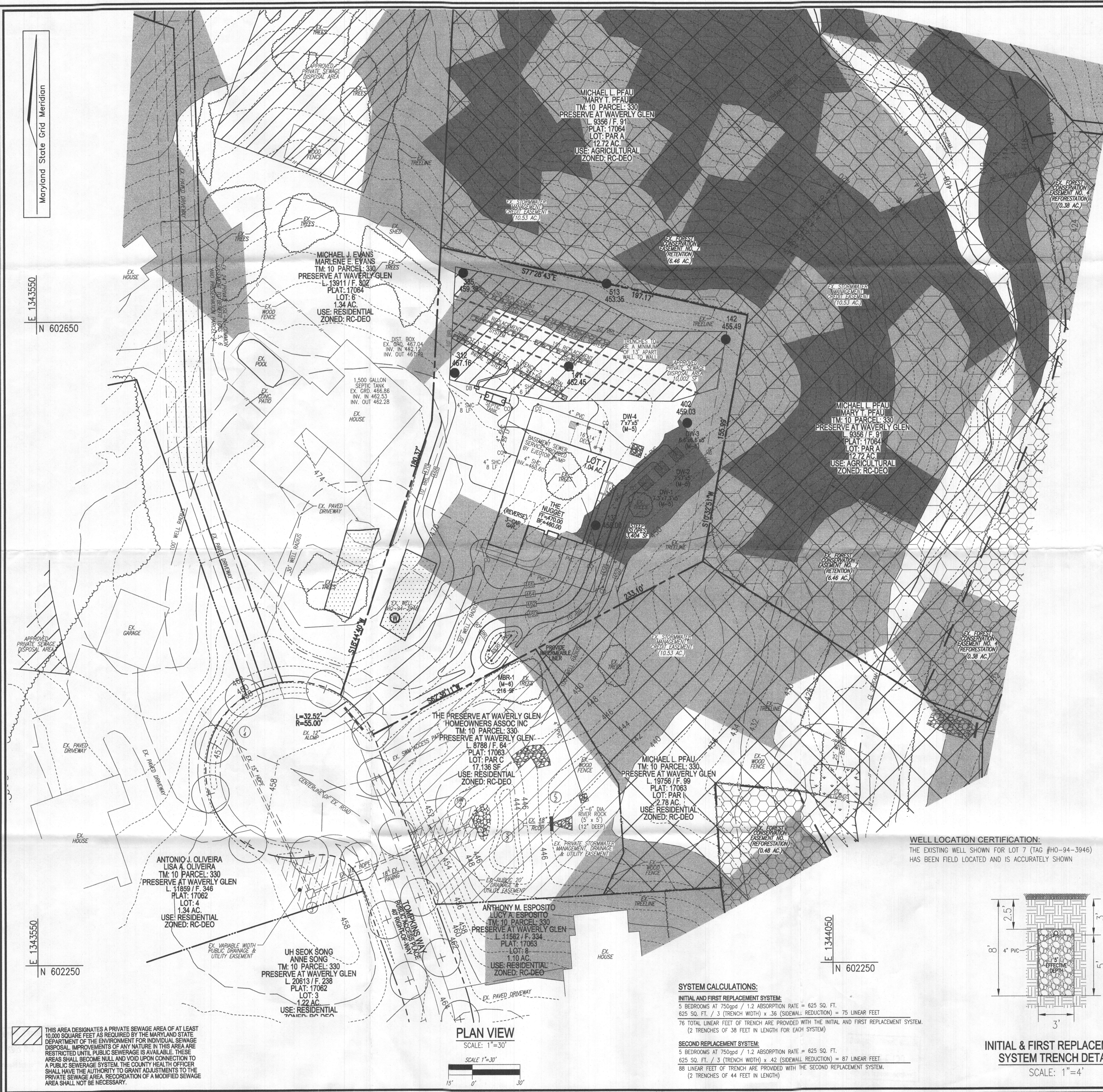
FINAL INSPECTOR S. Page DATE OF APPROVAL 8/14/2023

NOT TO SCALE

1" = 30'



HO-94-3946



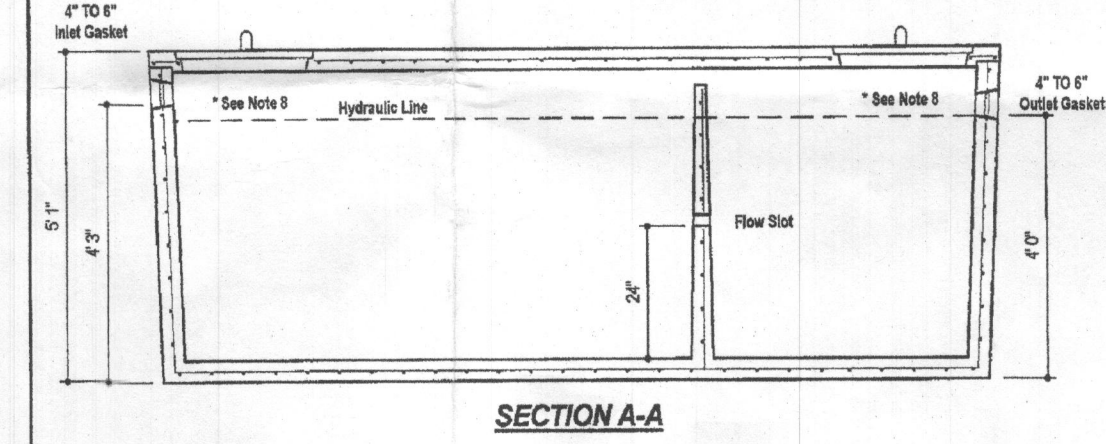
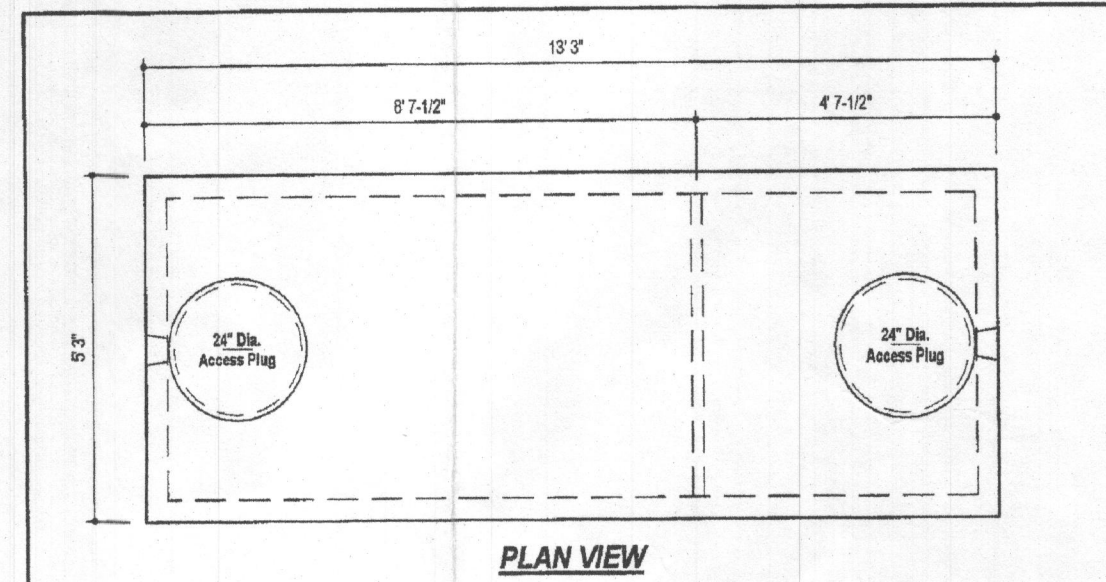
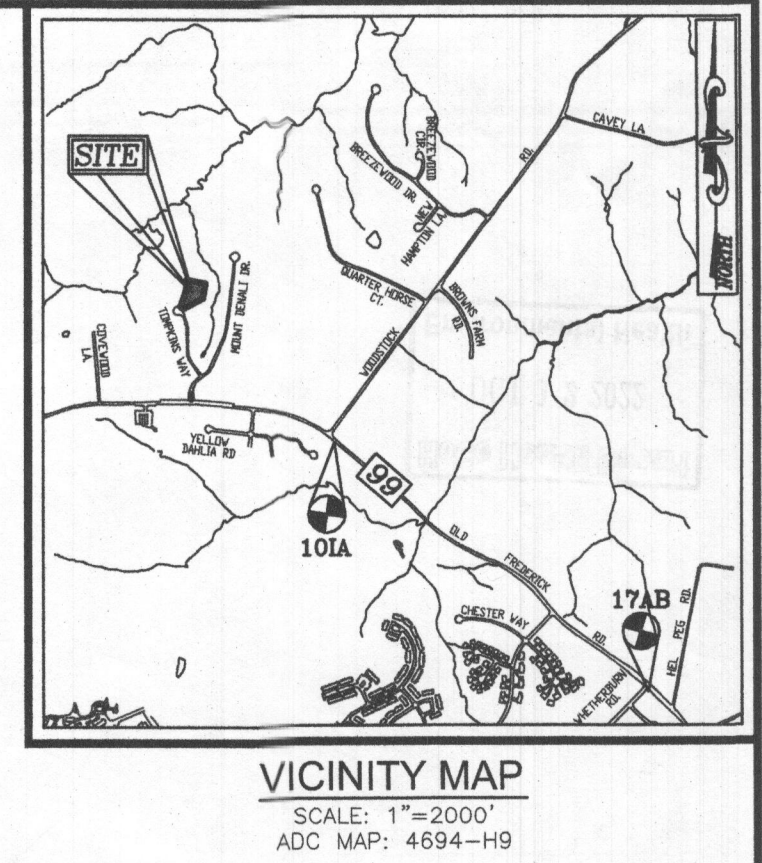
INITIAL SYSTEM TRENCH INFO

TRENCH	LENGTH	INTO TRENCH	BOTTOM OF TRENCH	EXISTING GROUND
1	38'	451.72	455.72	454.72
2	38'	451.68	456.68	454.68

BENCHMARKS

HOWARD COUNTY BENCHMARK 101A (CONC. MON.)
 N 600995.13 E 1345340.39 ELEV. 441.90
 LOCATION: CORNER RT-99 & WOODSTOCK ROAD

HOWARD COUNTY BENCHMARK 17AB (CONC. MON.)
 N 598435.30 E 1348615.30 ELEV. 508.40
 LOCATION: CORNER RT-99 & WETHERBURN ROAD



DESIGN DATA & GENERAL NOTES

- Concrete strength: 4000 psi @ 28 days, Density = 149 pcf.
- Concrete: Normal Type II per ACI 308.1R-08.
- Reinforcing: per ACI 308.1R-08, Min. 1/2" cover.
- The job must comply with local codes.
- Use 1/2" rebar.
- See drawings for use of rebar, steel & outlet details may be required by code.

1,500 GALLON TANK (Non-Traffic) 2-Compartment

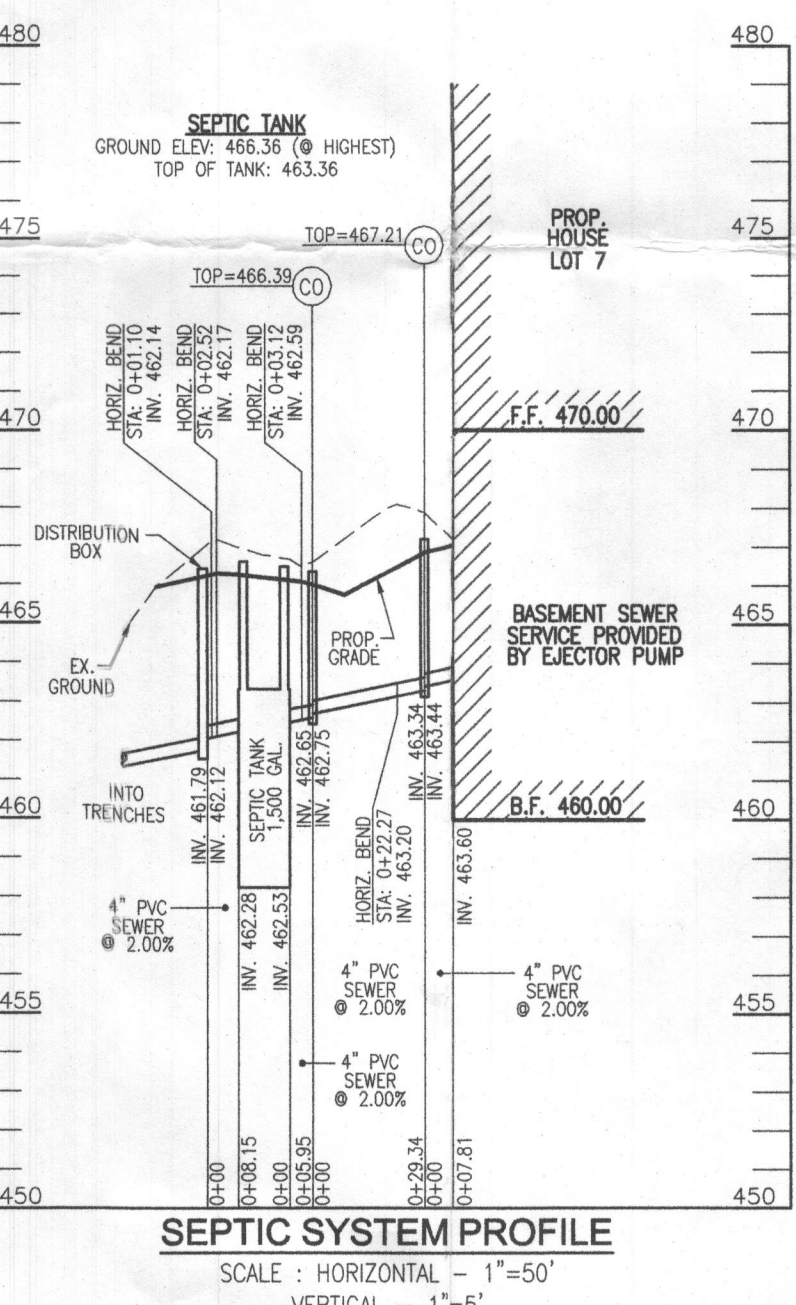
Stock Item

Weight = 16,750 lbs.

MB Mayer Bros, Inc. 8304 Green Road, Ellicott City, Maryland 21043, Tel: 410.798.1404, Fax: 410.798.1408, www.maybroscorp.com

Dep. No. 1600-02 No Scale Aug. 11, 2008

- LEGEND:**
- PROPERTY LINE
 - ADJACENT PROPERTY LINE
 - RIGHT-OF-WAY LINE
 - EXISTING EDGE OF PAVING
 - EXISTING WELL
 - EXISTING TREELINE
 - APPROVED PRIVATE SEWAGE DISPOSAL AREA
 - EXISTING FOREST CONSERVATION EASEMENT (REFORESTATION)
 - EXISTING FOREST CONSERVATION EASEMENT (RETENTION)
 - EXISTING 24" PRIVATE USE-IN-COMMON EASEMENT TO BENEFIT LOTS 5, AND PRESERVATION PARCEL 'A'
 - EXISTING PUBLIC DRAINAGE & UTILITY EASEMENT
 - EXISTING PRIVATE STORMWATER MANAGEMENT, DRAINAGE & UTILITY EASEMENT
 - EXISTING STORMWATER MANAGEMENT CREDIT EASEMENT
 - EXISTING 10' CONTOUR
 - EXISTING 2' CONTOUR
 - MODERATE SLOPES (15%-24.99% SLOPES)
 - STEEP SLOPES (25%-100% SLOPES)
 - PROPOSED 10' CONTOUR
 - PROPOSED 2' CONTOUR
 - PASSED PERC. TEST



Approved Septic System Plan
 Howard County Health Department

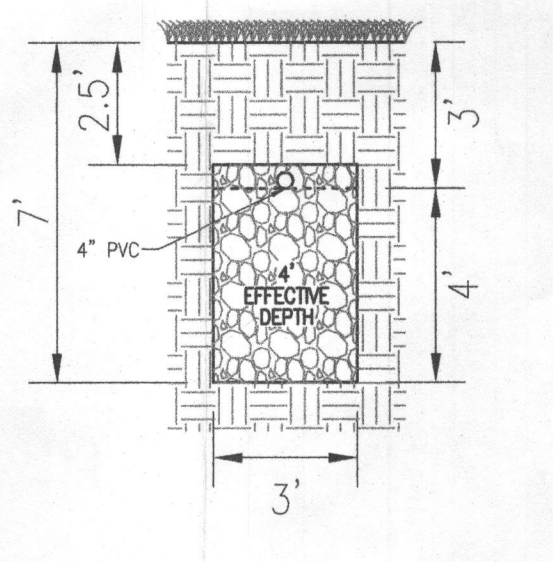
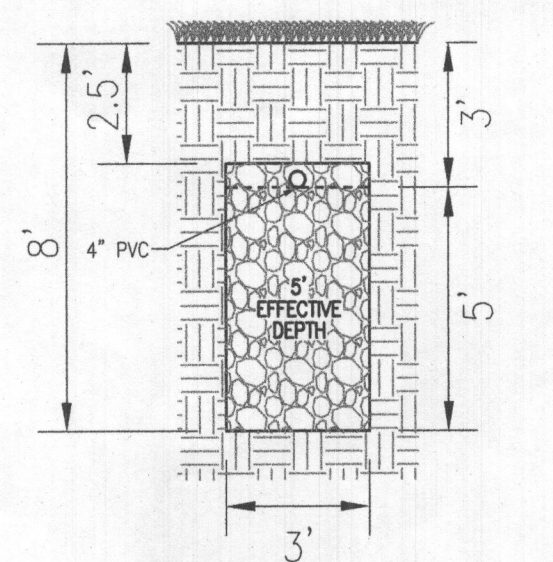
Mark Oswald 10/13/22
 Signature Date

- GENERAL 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.
 - THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
 - ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
 - THE WELL (HO-94-3946) 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.
 - ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - THE EXISTING TOPOGRAPHY SHOWN HEREON IS BASED ON AN AERIAL PREPARED BY POTOMAC AERIAL SURVEYS, DATED APRIL 14, 2001.

OWNER
 MICHAEL L. PFAUF
 MARY T. PFAUF
 3675 PARK AVENUE, SUITE 301
 ELLICOTT CITY, MD 21043
 (410) 480-0023

DEVELOPER
 TRINITY HOMES MARY LAND, LLC
 3675 PARK AVENUE, SUITE 301
 ELLICOTT CITY, MD 21043
 (410) 480-0023

WELL LOCATION CERTIFICATION:
 THE EXISTING WELL SHOWN FOR LOT 7 (TAG #HO-94-3946) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN



SYSTEM CALCULATIONS:

INITIAL AND FIRST REPLACEMENT SYSTEM:
 5 BEDROOMS AT 750gpd / 1.2 ABSORPTION RATE = 625 SQ. FT.
 625 SQ. FT. / 3 (TRENCH WIDTH) x 36 (SIDEWALL REDUCTION) = 75 LINEAR FEET
 76 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE INITIAL AND FIRST REPLACEMENT SYSTEM.
 (2 TRENCHES OF 38 FEET IN LENGTH FOR EACH SYSTEM)

SECOND REPLACEMENT SYSTEM:
 5 BEDROOMS AT 750gpd / 1.2 ABSORPTION RATE = 625 SQ. FT.
 625 SQ. FT. / 3 (TRENCH WIDTH) x 42 (SIDEWALL REDUCTION) = 87 LINEAR FEET
 88 LINEAR FEET OF TRENCH ARE PROVIDED WITH THE SECOND REPLACEMENT SYSTEM.
 (2 TRENCHES OF 44 FEET IN LENGTH)

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECOGNITION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

THE PRESERVE AT WAVERLY GLEN - LOT 7
 10918 TOMPKINS WAY
 WOODSTOCK, MD 21163
 (1.04 AC.)

PLAT: 17064
 L. 9709 / F. 63
 3RD ELECTION DISTRICT
 TAX MAP: 10 GRID: 23

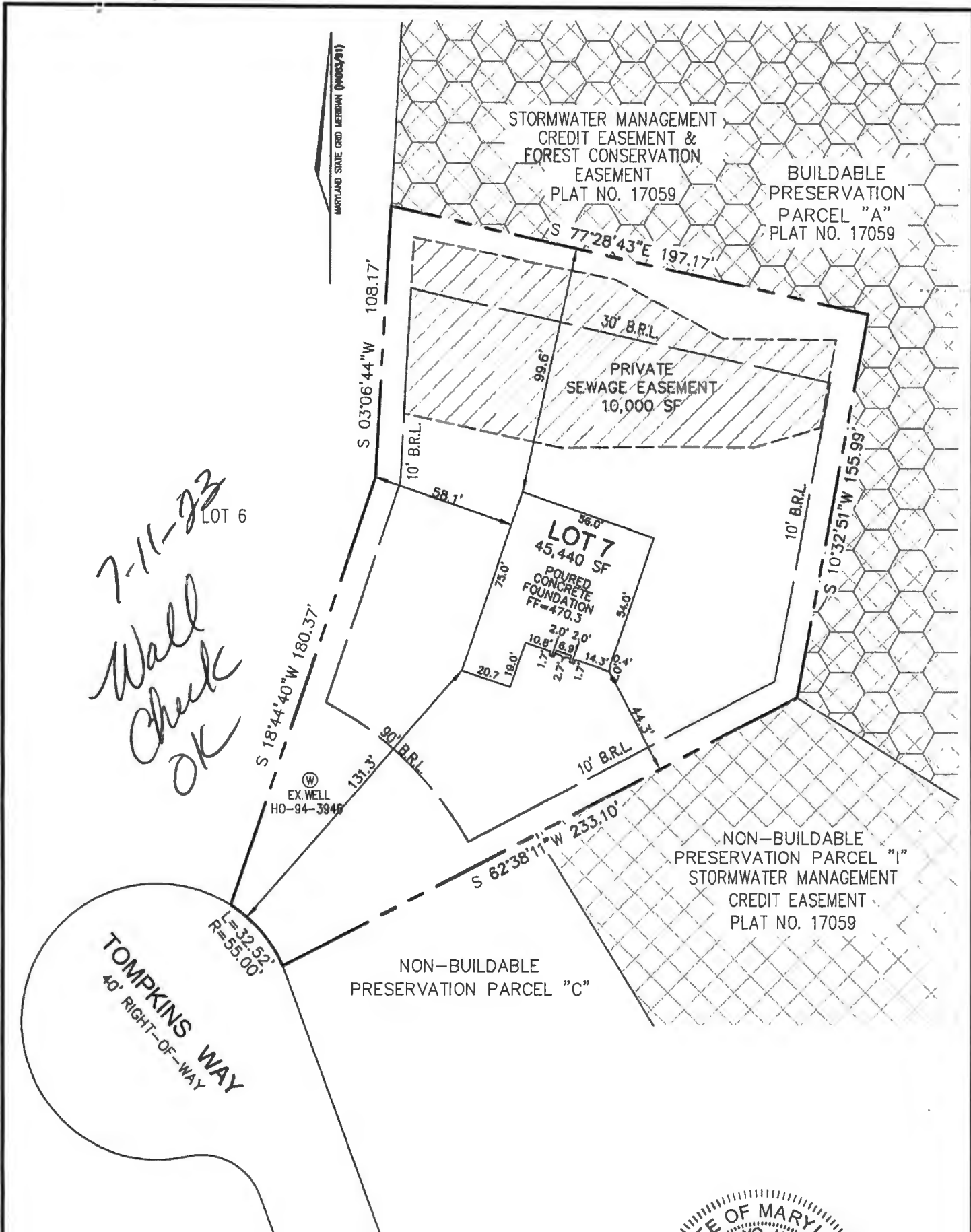
PARCEL: 330
 ZONED: RC-DEO
 HOWARD COUNTY, MARYLAND

VOGEL ENGINEERING
 +
TIMMONS GROUP
 3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043
 P: 410.461.7666 F: 410.461.8961 www.timmons.com

DESIGN BY: RHY
 DRAWN BY: JMR
 CHECKED BY: RHY
 DATE: OCTOBER 2022
 SCALE: AS SHOWN
 W.O. NO.: 2017139

PROFESSIONAL CERTIFICATE
 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. 16193, EXPIRATION DATE: 09-27-2024

1 SHEET OF 1



7-11-23
Wall
Check
OK

LOT 6



I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THAT THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN; THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND.



Thomas M. Hoffman Jr.
THOMAS M. HOFFMAN JR.,
PROPERTY LINE SURVEYOR
LICENSE NO. 267
EXP. DATE: JULY 28, 2024

5/17/23
DATE

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'

SCALE 1"=50'	DATE 05/15/2023	VOGEL ENGINEERING TIMMONS GROUP <small>3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043 P: 410.461.7666 F: 410.461.8961 www.timmons.com</small>	WALL CHECK DRAWING LOT 7 10918 TOMPKINS WAY THE PRESERVE AT WAVERLY GLEN PLAT No. 17063 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DRAWN BY B.D.A.	CHECKED BY T.M.H.		
PLAT NUMBER 17059-17069	JOB NUMBER 00-139.02		