



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: 2-4-22 **ONSITE SEWAGE DISPOSAL SYSTEM** P 5709249
APPROVAL DATE: 4/29/22 **PERMIT: CONSTRUCTION** A _____
PROPERTY ADDRESS: 3011 SKYE MEADOW WAY, WEST FRIENDSHIP, MD 21794
SUBDIVISION: ROVER MILL ESTATES LOT: 4 TAX ID: 03-602724
CONTRACTOR: WTC Contractors EMAIL: _____
CONTRACTOR ADDRESS: 3833 Selem Bottom Rd, Westminster, MD 21157 PHONE: 410-458-7024
PROPERTY OWNER: CBI HOMES LLC EMAIL: _____
OWNER ADDRESS: 112 S MAIN STREET, MT AIRY, MD 21771 PHONE: (410)465-4244
SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: MAYER BROS., INC.
PUMP MODEL: n.a. PUMP SIZE n.a. PUMP TANK CAPACITY: n.a.

DISTRIBUTION SYSTEM: ☒ GRAVITY ☐ PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>96</u>	INLET DEPTH: <u>3.5</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4.5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	INSTALL AT LEAST ONE CLEANOUT IN SHC NEAR FOUNDATION.	

ISSUED BY: R BRICKER ISSUE DATE: 2-4-22 EXPIRATION DATE: 2-4-23

- 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.

3011 Skye Meadow Way
NOT TO SCALE 1"=30'

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3.5'	8'
NUMBER OF TRENCHES		3
TOTAL LENGTH		99'
ABSORPTION AREA		297' + sidewalk
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL		yes
MANUFACTURER		Babylon
CAPACITY	1500	GAL
SEAM LOC	top	
TANK LID DEPTH	2.5'	
BAFFLES	6" front / 4" back	
BAFFLE FILTER	-	
MANHOLE LOC	front/back	
6" PORT LOC	-	
WATERTIGHT TEST	-	
SLOTTED	yes	
DATE ON LID	3/23/22	

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		

ROAD NAME

Skye Meadow Way

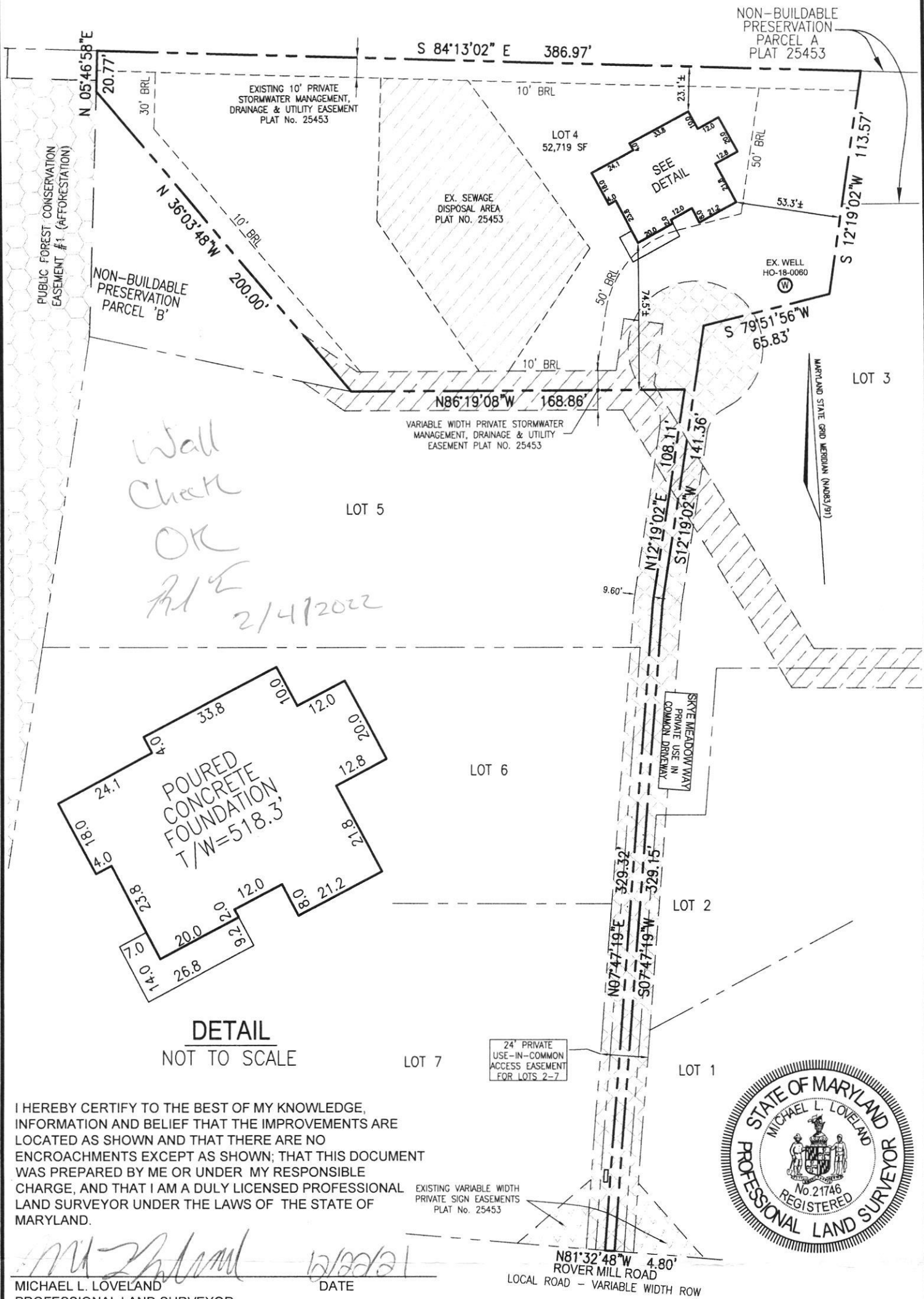
PRE-CONSTRUCTION:

4/27/22 3x33' trenches staked out on contour. (ST)

INSTALLATION: 4/28/22 - contractors on site, st to tank installed, no stc yet, contractors working on line to dbox. ok to continue work. (RE) 4/29/22 - contractors completed work, 3 trenches have obs. parts at both ends. dbox level, levelers set in place, 3 trenches @ 33' each look good, stone ok, fabric in place, soil consistent w/ perc results. ok to backfill. (RE)

FINAL INSPECTOR R. Rappaport DATE OF APPROVAL 4/29/22

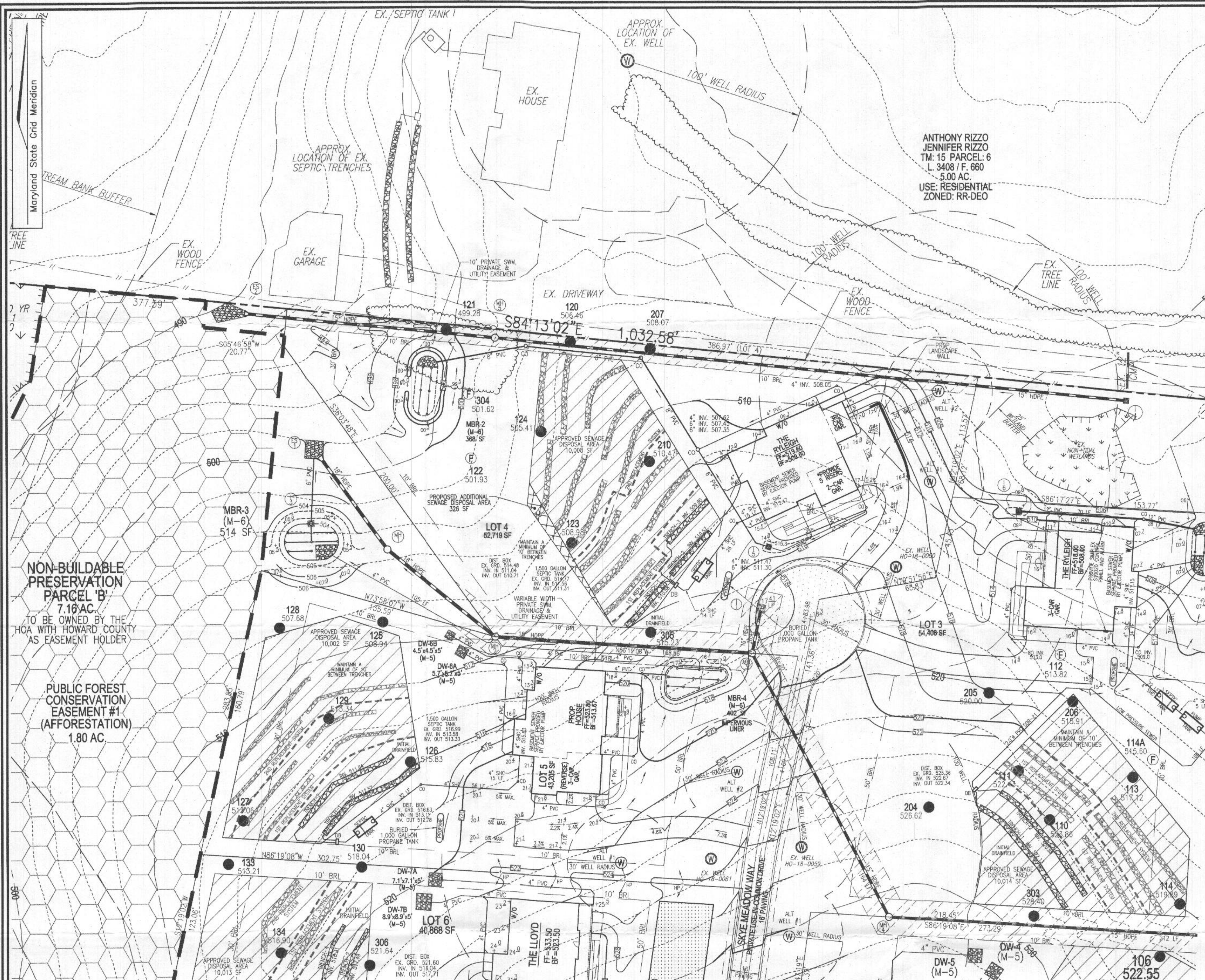
THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'



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 PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND.

Michael L. Loveland
MICHAEL L. LOVELAND
PROFESSIONAL LAND SURVEYOR
LICENSE NO. 21746
EXP. DATE: DECEMBER 11, 2023
DATE: 12/20/2021

SCALE 1"= 60'	DATE 12/20/2021	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	WALL CHECK DRAWING 3011 SKYE MEADOW WAY LOT 4 ROVER MILL ESTATES PLAT NO. 25607 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DRAWN BY B.D.A.	CHECKED BY M.L.L.		
PLAT NUMBER 25607-25608	JOB NUMBER 15-36		



GENERAL 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. THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
3. ELECTRICAL WORK FOR THIS INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
4. THE WELL (HO-18-0000) 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.
6. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
7. THE EXISTING TOPOGRAPHY SHOWN HEREON IS TAKEN FROM FIELD RUN SURVEY WITH 2' CONTOUR INTERVALS PREPARED BY ROBERT H. VOGEL ENGINEERING, INC., DATED OCTOBER 2017. INFORMATION IS SUPPLEMENTED WITH HOWARD COUNTY GIS DATA.

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. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

SYSTEM CALCULATIONS:

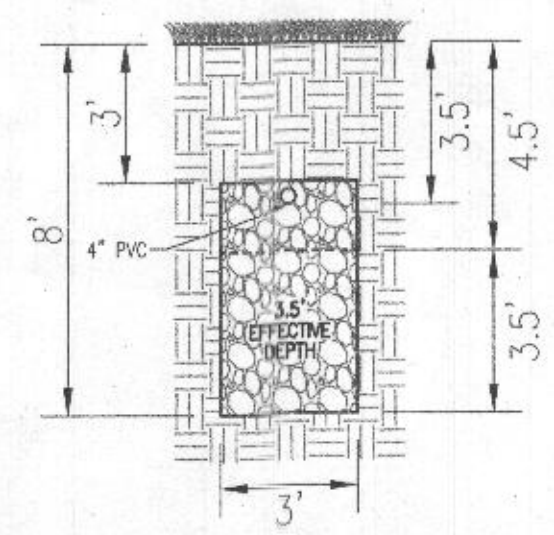
INITIAL SYSTEM:
 5 BEDROOMS AT 750gpd / 1.2 ABSORPTION RATE = 625 SQ. FT.
 625 SQ. FT. / 3 (TRENCH WIDTH) x .45 (SIDEWALL REDUCTION) = 94 LINEAR FEET
 96 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE INITIAL SYSTEM.
 (3 TRENCHES OF 32 FEET IN LENGTH)

FIRST REPLACEMENT SYSTEM:
 5 BEDROOMS AT 750gpd / 0.8 ABSORPTION RATE = 938 SQ. FT.
 938 SQ. FT. / 3 (TRENCH WIDTH) x .63 (SIDEWALL REDUCTION) = 197 LINEAR FEET
 200 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE FIRST REPLACEMENT SYSTEM.
 (5 TRENCHES OF 40 FEET IN LENGTH)

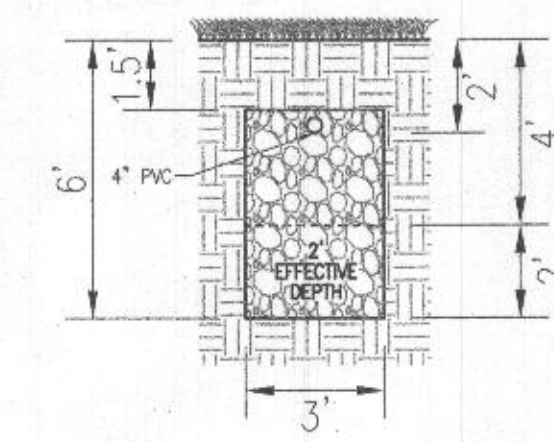
SECOND REPLACEMENT SYSTEM:
 5 BEDROOMS AT 750gpd / 0.6 ABSORPTION RATE = 1,250 SQ. FT.
 1,250 SQ. FT. / 3 (TRENCH WIDTH) x .83 (SIDEWALL REDUCTION) = 348 LINEAR FEET
 352 TOTAL LINEAR FEET OF TRENCH ARE PROVIDED WITH THE SECOND REPLACEMENT SYSTEM.
 (8 TRENCHES OF 44 FEET IN LENGTH)

OSDS PLAN VIEW
 SCALE: 1" = 30'

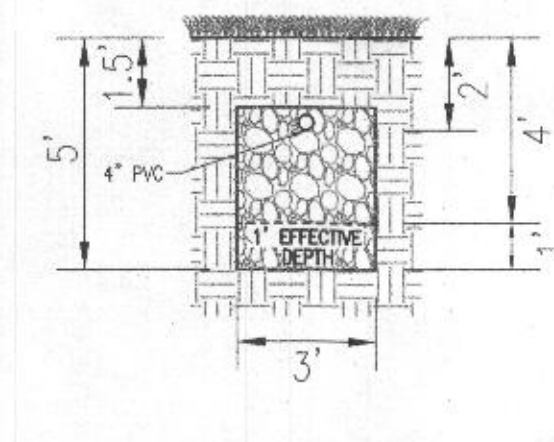
Approved Septic System Plan
 Howard County Health Department
 1500 Gallon Septic Tank
 to Gravity Distribution
 for 5-Bedroom SFD
 Signature: [Signature] 9/24/21 Date



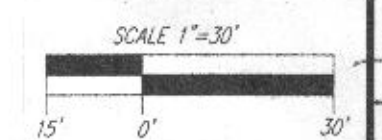
INITIAL SYSTEM TRENCH DETAIL
 NOT TO SCALE



FIRST REPLACEMENT SYSTEM TRENCH DETAIL
 NOT TO SCALE

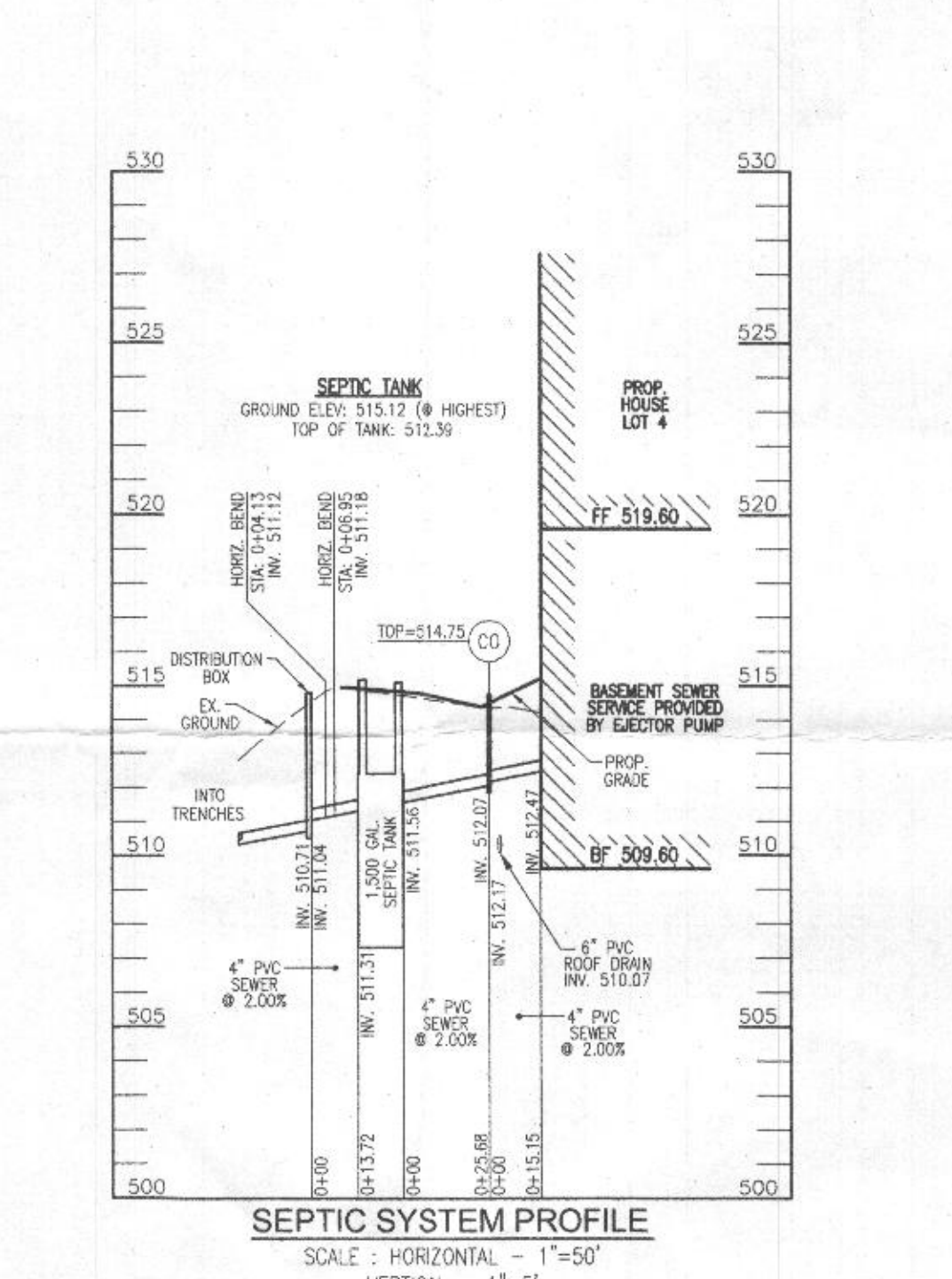
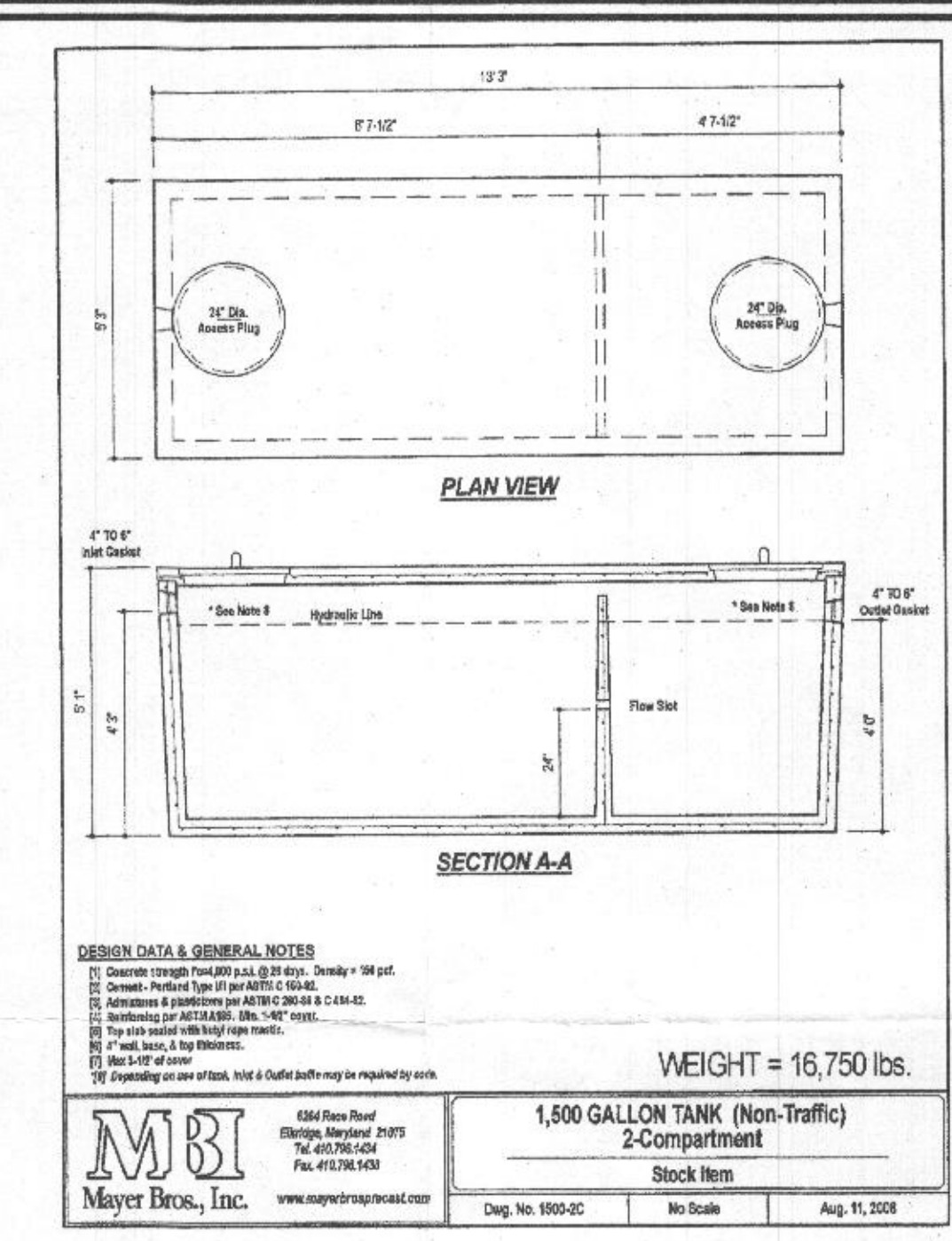


SECOND REPLACEMENT SYSTEM TRENCH DETAIL
 NOT TO SCALE

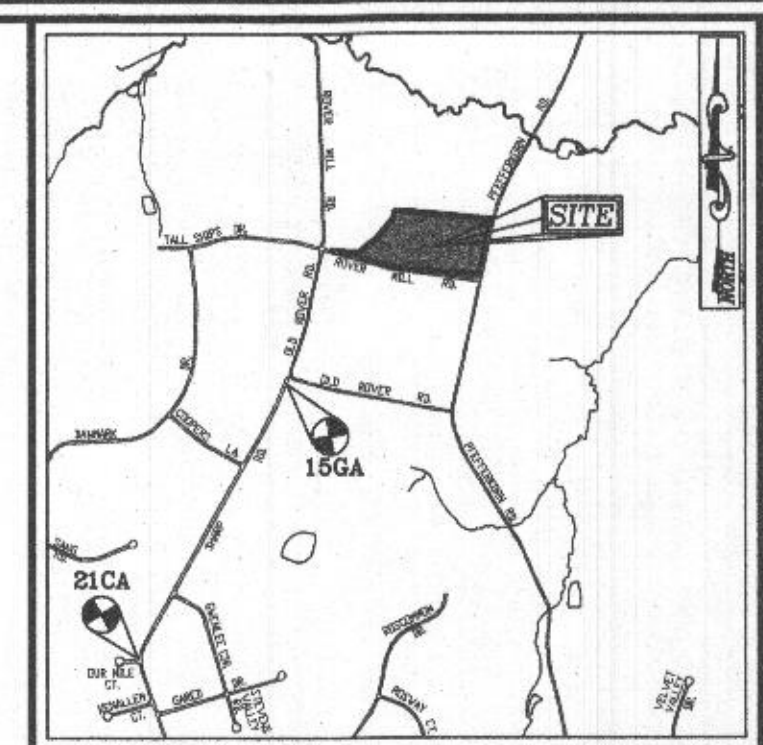


INITIAL SYSTEM TRENCH INFO.

TRENCH	LENGTH	GROUND	INT. WY. BOTTOM OF TRENCH
1	32'	514.08	510.58
2	32'	514.07	510.57
3	32'	513.10	509.60



SEPTIC SYSTEM PROFILE
 SCALE: HORIZONTAL - 1"=50'
 VERTICAL - 1"=5'



VICINITY MAP
 SCALE: 1"=2000'
 ADC MAP: PAGE: 17 BLOCK: D4 & E4

BENCHMARKS
 HOWARD COUNTY BENCHMARK 15GA (CONC. MON.)
 N 591743.48 E 1312790.80 ELEV. 587.64
 LOCATION: NEAR NORTH END OF SHARP ROAD
 (CUL. DE SAC)
 HOWARD COUNTY BENCHMARK 21CA (CONC. MON.)
 N 588897.36 E 1311235.79 ELEV. 612.60
 LOCATION: CORNER OF SHARP RD. & OUR MILE CT.

- LEGEND:**
- PROPERTY LINE
 - ADJACENT PROPERTY LINE
 - RIGHT-OF-WAY LINE
 - EXISTING EDGE OF PAVING
 - EXISTING STREAM
 - EXISTING STREAM BUFFER
 - EXISTING TREELINE
 - PROPOSED TREELINE
 - EXISTING WETLANDS
 - EXISTING WETLAND BUFFER
 - PUBLIC 100-YEAR FLOODPLAIN, DRAINAGE & UTILITY EASEMENT
 - PUBLIC FOREST CONSERVATION EASEMENT (AFFORESTATION)
 - EXISTING METAL FENCE
 - EXISTING 10' CONTOUR
 - EXISTING 2' CONTOUR
 - PROPOSED 10' CONTOUR
 - PROPOSED 2' CONTOUR
 - APPROVED SEWAGE DISPOSAL AREA
 - APPROVED WELL AREA
 - EXISTING WELL LOCATION
 - ALTERNATE WELL LOCATION
 - PASSED PERC. TEST
 - FAILED PERC. TEST
 - PROPOSED ADDITIONAL SEWAGE DISPOSAL AREA

OWNER
 SECURITY DEVELOPMENT, LLC
 8480 BALTIMORE NATIONAL PIKE, SUITE 415
 ELLICOTT CITY, MD 21104
 (410) 465-4244

BUILDER
 CATONSVILLE HOMES
 11175 STRATFIELD COURT
 MARROTTVILLE, MD 21104
 (410) 489-7800

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

ROVER MILL ESTATES - LOT 4
 3011 SKYE MEADOW WAY
 WEST FRIENDSHIP, MD 21794

PARCEL: 168 GRID: 14 ZONED: RR-DEO
 TAX MAP: 15 ELLICOTT CITY, MD 21104 L 19082 / F. 480
 3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

VOGEL ENGINEERING
 +
TIMMONS GROUP
 3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21104
 P: 410.461.7666 F: 410.461.8961 www.timmonsgroup.com

PROFESSIONAL CERTIFICATE

DESIGN BY: RHV
 DRAWN BY: JMR
 CHECKED BY: RHV
 DATE: SEPTEMBER 2021
 SCALE: AS SHOWN
 W.O. NO.: 15-36

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. EXPIRATION DATE: 09-27-2022

1 SHEET OF 1