

Kevin,

Jim (301 514)
2808

Informed Jim over
phone he could make Initial
Trench 1 $\frac{1}{3}$ 2 ^(rightside) connect to
Reserve Trench 2A $\frac{1}{3}$ 2B
to be the initial system
redlined. Specs are very
similar for all systems.
He would just keep/continue Initial
specs for Reserve Trench
2A $\frac{1}{3}$ 2B and shorten them
by 2' to match initial trench
lengths. Told him to send PDF
to you and me since I will
be in training. He will try to
send tomorrow.

RSF 10/7 ↓

(410 693 7367)

Spoke to Dylan

Strother (owner)

informed him of
process moving forward
w/ install, PC/Testing

later. Seemed to
understand and be ok
w/ considering we
can't tell him he can't
move in due to this.

SOILS DATA TABLE

SYMBOL	SOIL	HYDRIC	K-FACTOR	ERODIBLE	GROUP
GgC	Glenela Loom, 2%-15% Slopes	NO	0.24	NO	B
McD	Manor Loom, 15%-25% Slopes	NO	0.37	YES	C
GgB	Glenville silt loam, 5%-8% Slopes	NO	0.24	NO	B
BrD	Brinklow Chan. Loom 15%-25% Slopes	NO	0.20	NO	C
Co	Cinderus & Hatboro SL, 0%-3% Slopes	YES	0.37	NO	C
GmB	Glenville Silt Loom, 3%-8% Slopes	YES	0.37	YES	C
OcC	Ocoquan Loom, 8%-15% Slopes	NO	0.37	YES	B

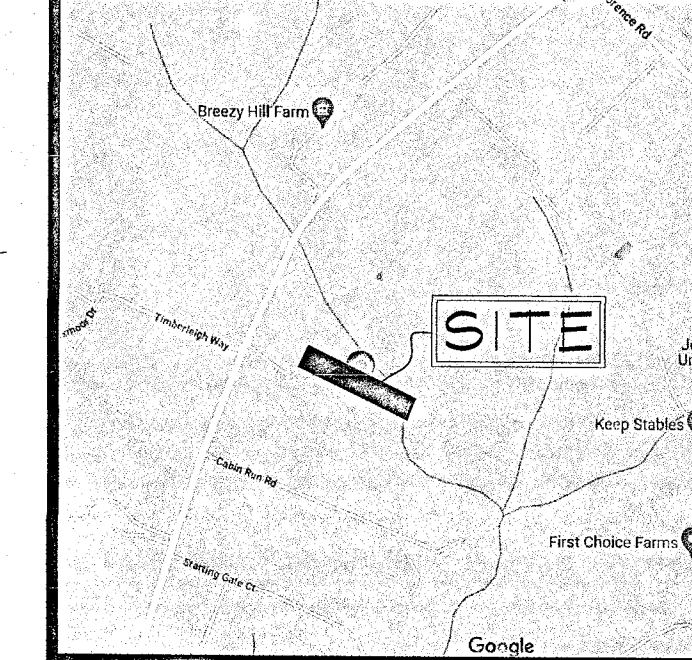
SOILS INFORMATION TAKEN FROM USDA WEB SOIL SURVEY WEBSITE
NOTE: HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15% OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR "K" GREATER THAN 0.35 WITH A SLOPE GREATER THAN 5 PERCENT.

ZONING DATA

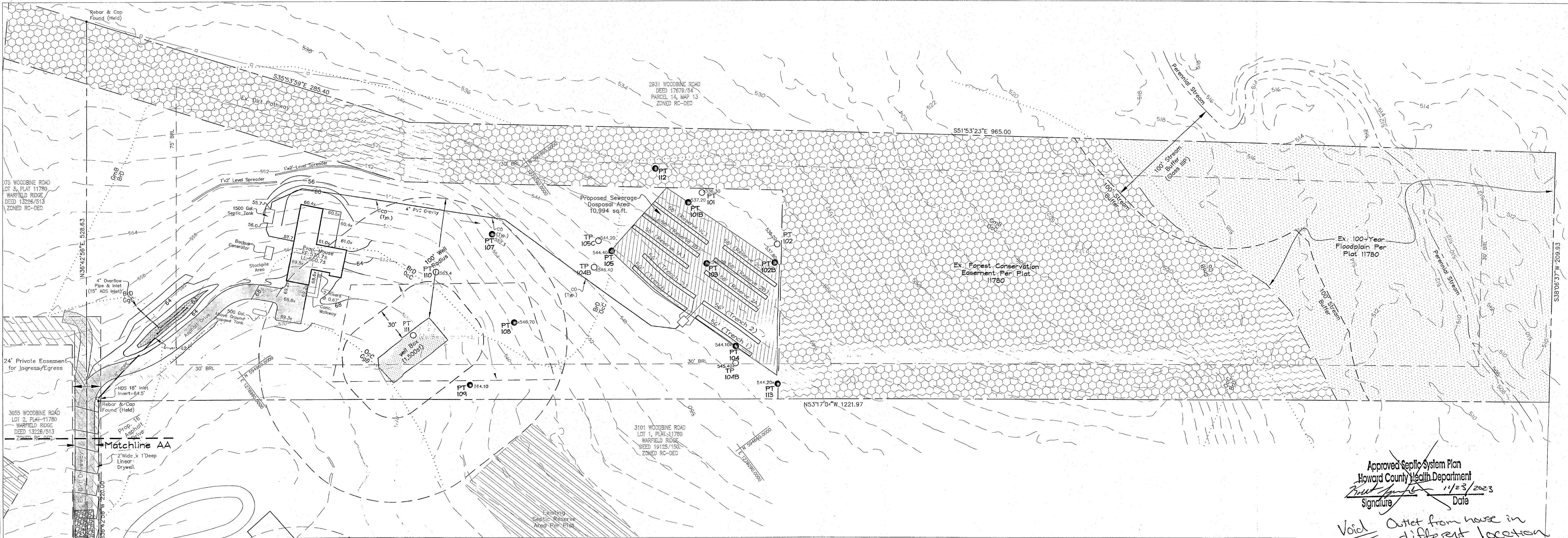
ZONING: RC-DEO
MIN. LOT AREA = 130,000 SQ FT (3 AC.)
MIN. LOT WIDTH AT R/W = 200 FT
MIN. LOT WIDTH AT B.R.L. = 200 FT
FRONT B.R.L. = 75 FT
REAR B.R.L. = 30 FT
SIDE B.R.L. = 60 FT

LEGEND

- EX. PROP. LINE
- EX. FENCE
- PROP. DRIVEWAY
- APPROVED SEWAGE DISPOSAL AREA (7/25/2023)
- SOIL BOUNDARY
- EX. 2' CONTOUR
- EX. 10' CONTOUR
- WELL BOX
- BUILDING RESTRICTION LINE
- PASSED PERC TEST
- FAILED PERC TEST



VICINITY MAP

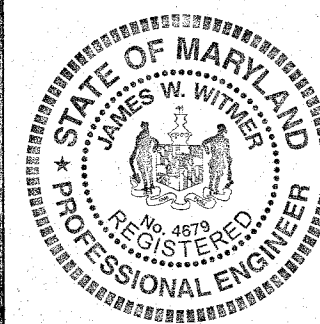


Approved Septic System Plan
Howard County Health Department
Signature: [Signature] Date: 11/23/2023

Void Outlet from house in different location

GENERAL NOTES

- THIS PROPERTY IS ZONED RR-DEO.
- THE PROPERTY BOUNDARY SHOWN IS BASED ON EXISTING PLATS OF RECORD AND A SURVEY CONDUCTED BY JNM ENGINEERING, LLC.
- DEED REFERENCE: LIBER 19125 FOLIO 150.
- THE EXISTING TOPOGRAPHY IS BASED ON A FIELD RUN SURVEY PREPARED BY JNM ENGINEERING, LLC. TOPOGRAPHY SHOWN OUTSIDE OF THE PROPOSED DEVELOPMENT AREA IS BASED ON HOWARD COUNTY GIS.
- ANY CHANGE TO A SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- ADJUSTMENTS TO THE SEWAGE DISPOSAL AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- SOIL TYPES SHOWN ON THIS PLAN ARE FROM THE USDA WEB SOIL SURVEY.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND SEWAGE EASEMENTS AND COMPONENTS WITHIN 200-FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
- ALL BUILDING SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- SEPTIC TANK COVER DEPTHS SHALL NOT EXCEED 3 FEET.
- ANY CHANGE TO THE LOCATION 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 WELL FOR THIS LOT SHALL BE DRILLED PRIOR TO BUILDING PERMIT APPROVAL IT IS THE DEVELOPERS RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO BUILDING PERMIT APPROVALS. IT WILL NOT BE CONSIDERED GOVERNMENTAL DELAY IF THE WELL DRILLING HOLDS UP HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT.



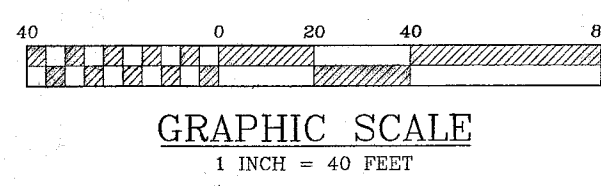
I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREIN IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JAMES W. WITMER
PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21931

6/11/23
DATE

OWNERS:

SARAH & DYLAN STROTHERS
3085 WOODBINE ROAD
WOODBINE, MARYLAND 21797
410-693-7367



NOTE: EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THEY ARE BASED UPON AVAILABLE RECORDS AND ARE SHOWN TO THE BEST OF OUR ABILITY. ALL UTILITY LOCATIONS MUST BE FIELD VERIFIED.

3085 WOODBINE ROAD
WOODBINE, MD 21797
PARCEL 223, MAP 13, 6.78 ACRES
PLAT 11780, WARFIELD RIDGE
ONSITE SEWAGE DISPOSAL DESIGN PLAN

DATE

1/2023

PROJECT

22-1202

BY

JWW

REVISION

ENGINEERING

JWW

ILLUSTRATION

JWW

APPROVAL

JWW

SCALE

1"=40'

3085 WOODBINE ROAD

WOODBINE, HOWARD COUNTY, MARYLAND

ONSITE SEWAGE DISPOSAL DESIGN PLAN

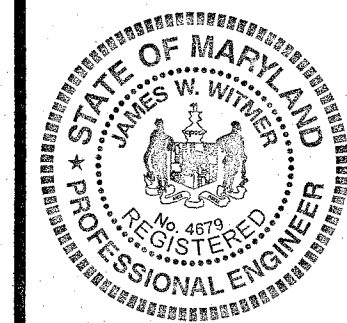
JNM ENGINEERING, LLC

CIVIL ENGINEERING, SURVEYING, LAND PLANNING, ENVIRONMENTAL, AGRICULTURE, LEED PROFESSIONALS

105 LEAFY HOLLOW CIRCLE, MOUNT AIRY, MD 21771

(301) 514-2808, JNMENGINEERINGLLC.COM

1 OF 2

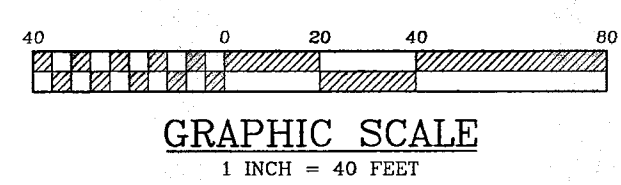


CERTIFICATION:
I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREIN IS BASED ON FIELD WORK
PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

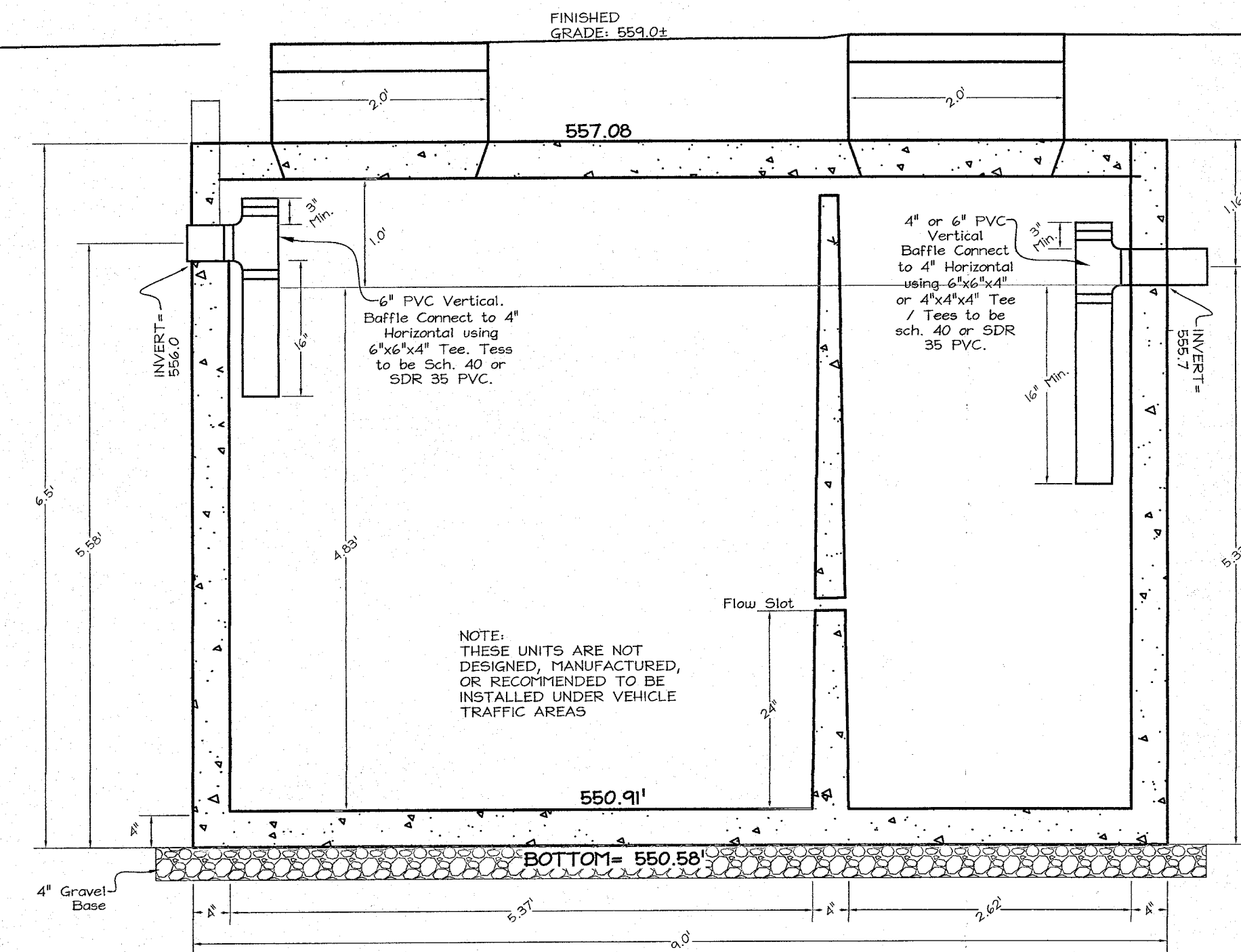
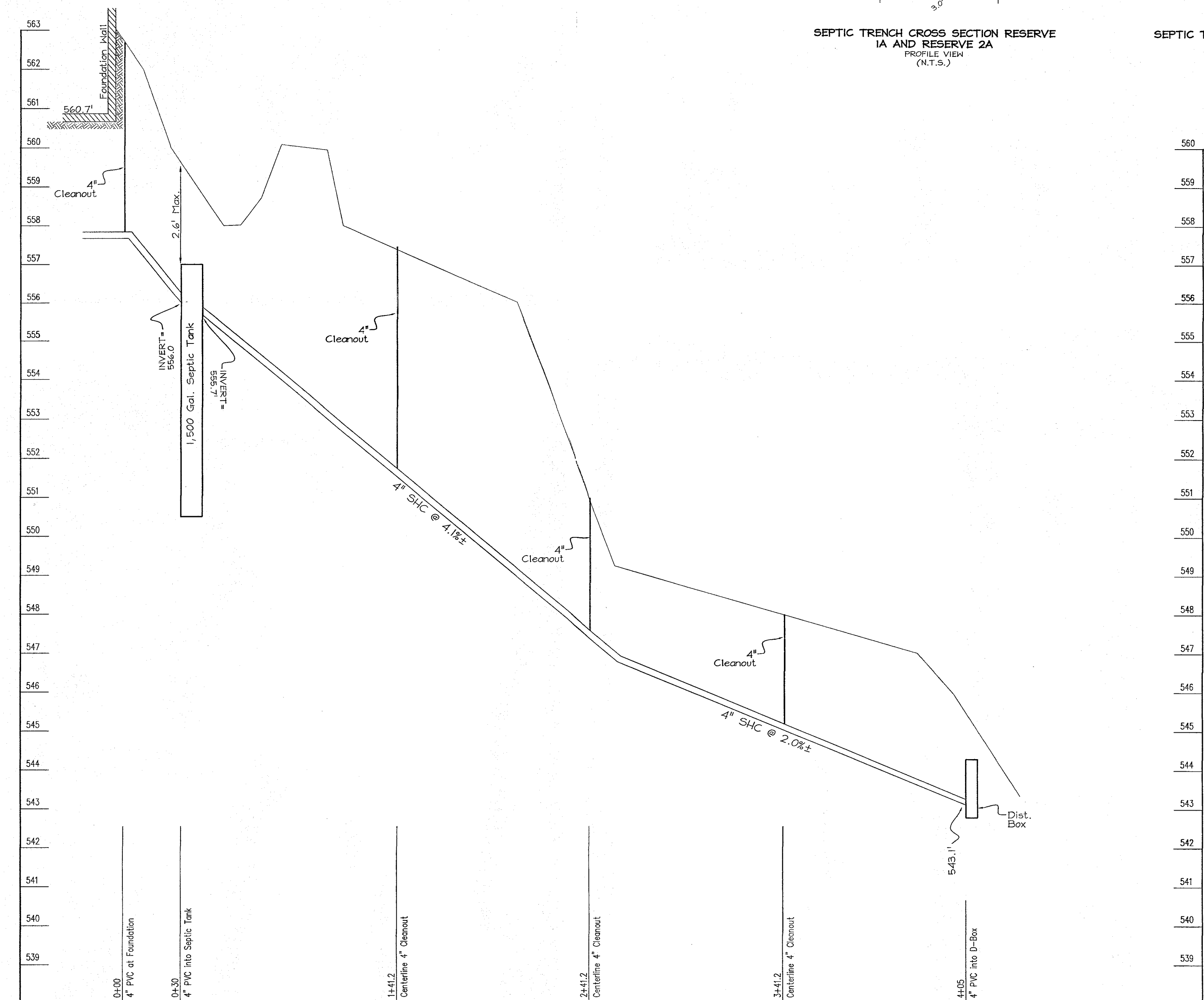
JAMES W. WITMER
PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21931

10/1/23
DATE

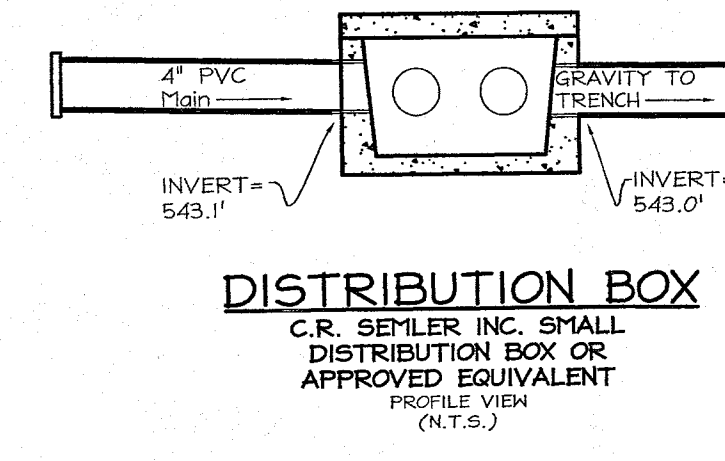
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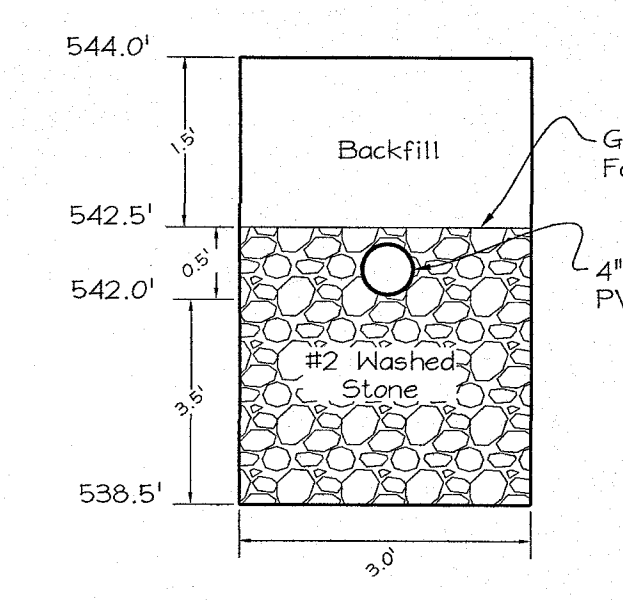
Septic System Profile
HOR.: 1"=40'
VERTICAL: 1"=2.5'



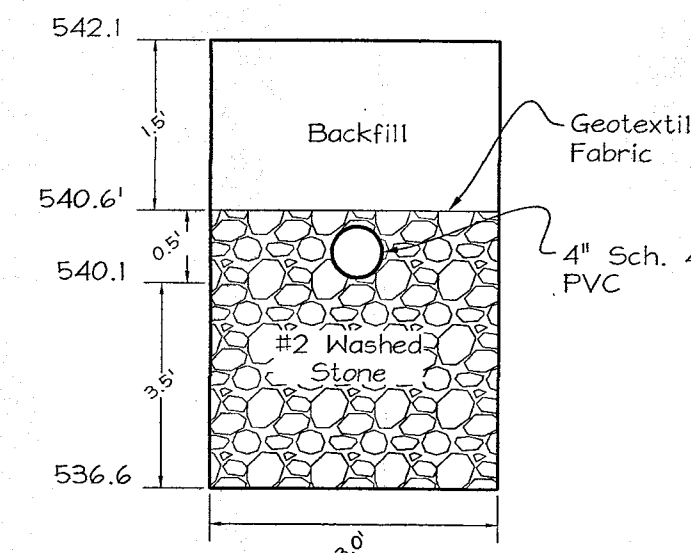
PROPOSED SEPTIC TANK
C.R. SEMLER INC. 1,500 GALLON, TOP
SEAM, TWO-COMPARTMENT SEPTIC
TANK OR APPROVED EQUIVALENT
PROFILE VIEW
(N.T.S.)



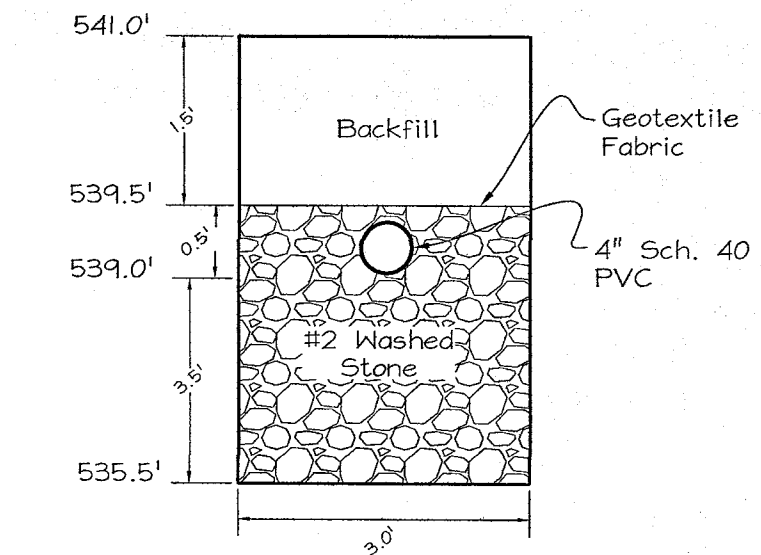
DISTRIBUTION BOX
C.R. SEMLER INC. SMALL
DISTRIBUTION BOX OR
APPROVED EQUIVALENT
PROFILE VIEW
(N.T.S.)



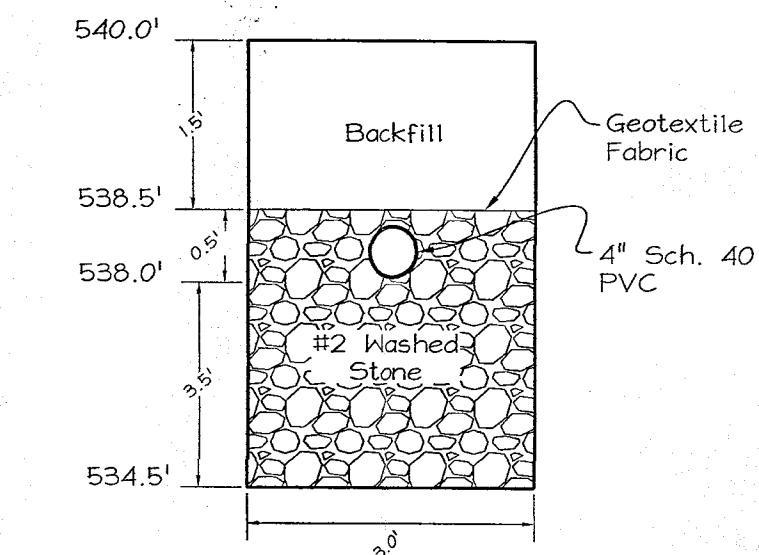
SEPTIC TRENCH CROSS SECTION 1
PROFILE VIEW
(N.T.S.)



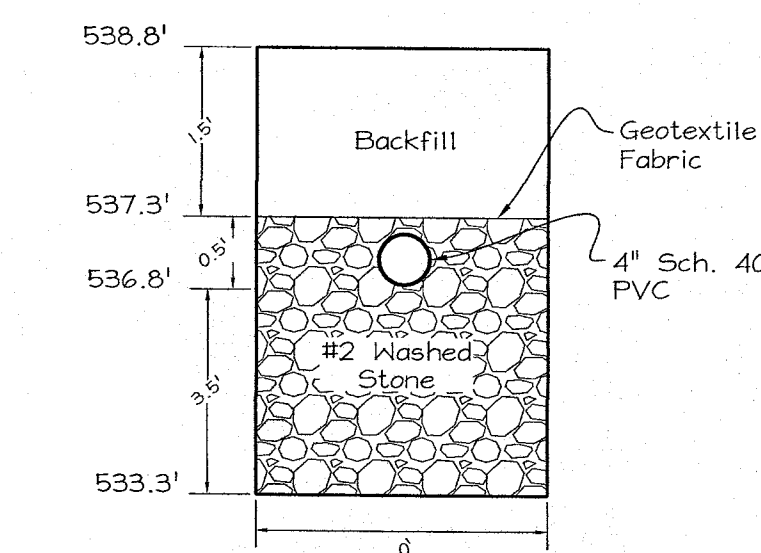
SEPTIC TRENCH CROSS SECTION 2
PROFILE VIEW
(N.T.S.)



SEPTIC TRENCH CROSS SECTION RESERVE 1A AND RESERVE 2A
PROFILE VIEW
(N.T.S.)



SEPTIC TRENCH CROSS SECTION RESERVE 1B AND RESERVE 2B
PROFILE VIEW
(N.T.S.)



SEPTIC TRENCH CROSS SECTION RESERVE 1C AND RESERVE 2C
PROFILE VIEW
(N.T.S.)

SEPTIC SIZING
System Requirements (1 Initial and 2 replacements).
Proposed Number of Bedrooms: 5
Design Load: 750 Gal/Day
Application Rate: 0.80

Initial System
Absorption Area Required: 750/0.8=937.5
937.5/3= 312.5H
(5/7) (1.5' Depth)= 222'
Total Trench Length Required: 222-feet (4 trenches at 56')

Reserve System 1
750 GPD
750/80= 937.5
937.5/3= 312.5H
312.5x0.55 (2.5' Sidewall)= 172LF Required
172/3= 58 ft. (Install 3- 58' long trenches)

Replacement System 2
750 GPD
750/80= 937.5
937.5/3= 312.5H
312.5x0.55 (2.5' Sidewall)= 172LF Required
172/3= 58 ft. (Install 3- 58' long trenches)

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WOODBINE, MD 21797
PARCEL 223, MAP 13, 6.78 ACRES
PLAT 11780, WARFIELD RIDGE
ONSITE SEWAGE DISPOSAL DESIGN PLAN

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1/2023			
22-1202			
ENGINEERING			
JWW			
ILLUSTRATION			
JWW			
SCALE			
1"=40'			

3085 WOODBINE ROAD
WOODBINE, HOKARD COUNTY, MARYLAND
ONSITE SEWAGE DISPOSAL DESIGN PLAN

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