



Howard County
Health Department

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: 10/12/23 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 575667

APPROVAL DATE: 10/23/2023 **PERMIT: NEW CONSTRUCTION**

A _____

PROPERTY ADDRESS: 13919 Forsythe Road

SUBDIVISION: Poling Property

LOT: _____ TAX ID: _____

CONTRACTOR: J & A Construction EMAIL: jacobse@jandaconstruction.net

CONTRACTOR ADDRESS: P.O. Box 870 Mont Airy, MD 21771 PHONE: 301-607-8480

PROPERTY OWNER: Michael and Jana Boling EMAIL: _____

OWNER ADDRESS: 1050 Harbor Court, Eldersburg, MD 21784 PHONE: _____

SEPTIC TANK SIZE (GALLONS): 1500 GAL TANK MANUFACTURER: N/A

PUMP MODEL: N/A PUMP SIZE: N/A PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM: ☒ GRAVITY ☐ PRESSURE DOSED BEDROOMS: 4 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>100'</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>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:	2 50' Trenches	

ISSUED BY: Zack Silvast MRE ISSUE DATE: 10/12/23 EXPIRATION DATE: 10/12/24

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

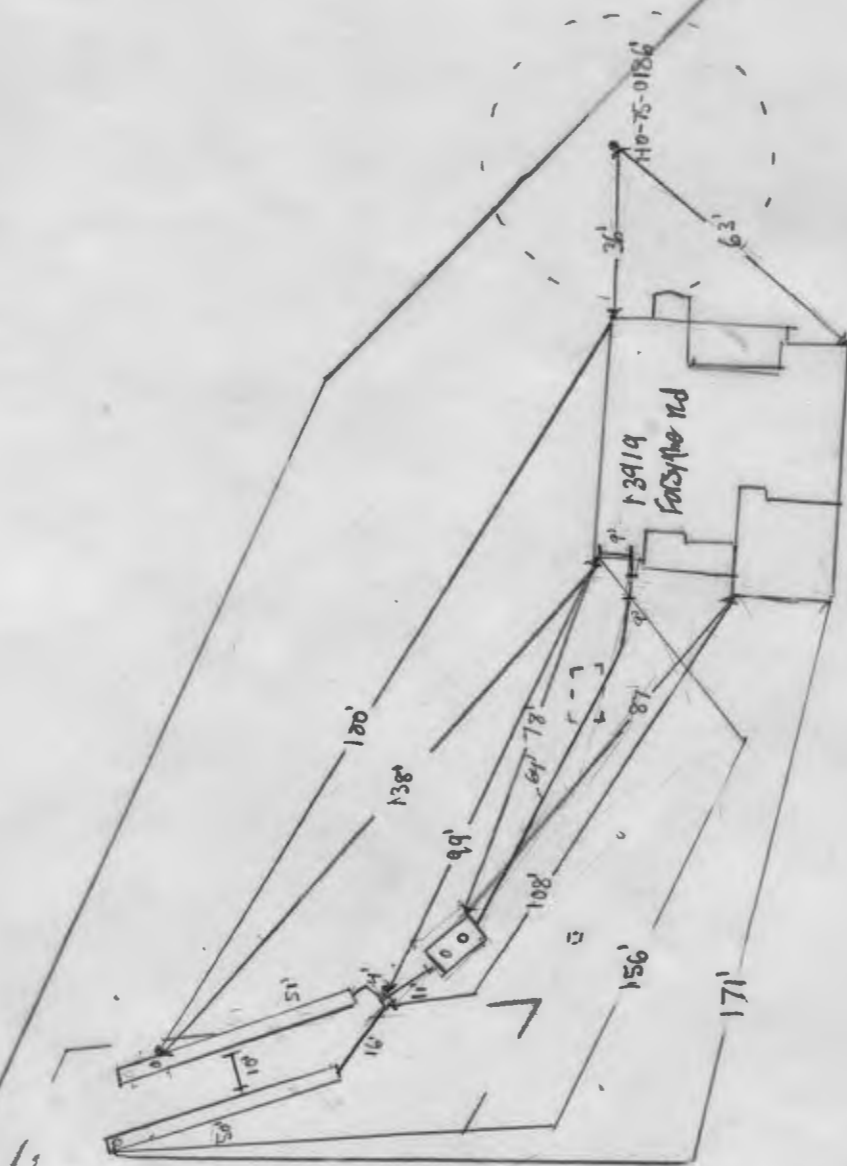
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

1" ≈ 40'





(pics of old ST abandonment 10/23/23)



Silvast, Zackary

From: Silvast, Zackary
Sent: Monday, March 6, 2023 12:36 PM
To: Matt Shipley
Cc: Linda D. Alexander; Williams, Jeffrey
Subject: regarding OSDS plan for 13919 Forsythe Road
Attachments: specs for 13919 Forsythe Rd.pdf

Hello everyone,

I have reviewed the following OSDS plan and have the following revision comments. See below.

1. The 1st and 2nd replacement information is not shown. This loading rate is different and will need to be adjusted accordingly to the drainfields currently displayed (0.8 rate).
2. We are missing a trench detail showing effective depth, max bottom depth, depth of gravel, trench inverts vs. ground elevations for all drainfield lines.
3. I see there are existing cleanouts being shown & being listed as abandoned.
 - a. Need to show the existing septic system serving the house.
 - b. Need to be labeled as to be abandoned.
 - c. If there is an existing tank being removed, there should be a note added that the tank will be disconnected, pumped out, and properly abandoned.
4. Trench spacing detail missing.
5. There is no reason that the drainfields cannot all be aligned with one another.
 - a. Currently, there are two trenches shown with a spacing distance of 13' on one end and over 20' on the other end.
 - b. These can be aligned a different way to keep the spacing the same throughout while staying on contour.

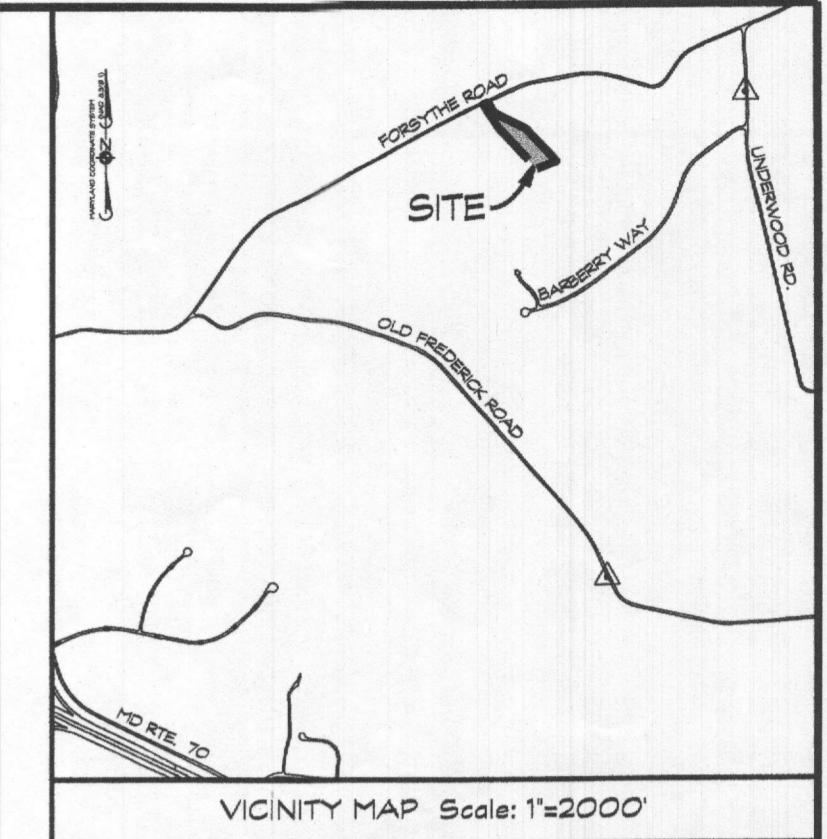
We look forward to your resubmittal and swift approval. I have attached an updated spec sheet. Thank you!

Zack Silvast (LEHS)

Plan Review Supervisor - Water & Sewer Division

410-313-1777

Environmental Health Bureau
Howard County Health Department



1. THE PROPERTY SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
2. THERE ARE OTHER EXISTING WELLS OR OTHER SEPTIC AREAS WITHIN 100 FEET OF THIS PROPERTY OR OTHERWISE SHOWN, FROM FIELD INSPECTION BY CLS, INC.
3. THE EXISTING WELL SHOWN IS IDENTIFIED WITH WELL TAG NUMBER 70-0758 HAVE BEEN LOCATED AND ARE ACCURATELY SHOWN.
4. THE TOPIC ELEVATIONS SHOWN ON THIS PLAN ARE HOWARD COUNTY 2004 TOPOGRAPHY. THE HORIZONTAL DATUM IS THE MARYLAND COORDINATE SYSTEM NAD 83S AND VERTICAL DATUM IS BASED ON NAVD83.
5. ANY NEW SEPTIC SYSTEM OR DISCHARGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
6. 0.15 ACRES OF WOODS TO BE CLEARED.
7. ANY CHANGE TO THE SEPTIC SYSTEM WITH ITS ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO THE CONSTRUCTION. A REVIEW OF THE SEPTIC SYSTEMS IS THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
8. ANY ELECTRICAL WORK FOR THE INSTALLATION OF A SEPTIC SYSTEM MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
9. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARY SHALL BE IDENTIFIED AS EXISTING WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

AREA OF WETLANDS: 0.00 AC.
AREA OF WETLANDS BUFFER: 0.00 AC.
AREA OF FLOODPLAIN: 0.00 AC.
AREA OF FLOODPLAIN BUFFER: 0.00 AC.
AREA OF EXISTING FOREST: 1.81 AC.
AREA OF FOREST TO REMAIN: 1.66 AC.
AREA OF STEEP SLOPES:
25% OR GREATER: 0.23 AC.
15% - 25% N/A
AREA OF ERODIBLE SOIL AREA: 0.54 AC.
AREA OF LIMIT OF DISTURBANCE: 0.57 AC.
AREA OF EXISTING IMPERVIOUS: 0.11 AC.
AREA OF PROPOSED IMPERVIOUS: 0.09 AC.
TOTAL AREA OF IMPERVIOUS: 0.18 AC.
AREA OF GREEN OPEN AREA: 1.31 AC.
TOTAL AREA OF PROPOSED RESIDENTIAL USE: 3.15 AC.
TOTAL AREA OF SITE: 3.15 AC.

1. ZONING DISTRICT: RC-DEO (RURAL CONSERVATION)
2. SOILS MAP NO.: NRCS SOIL INFO
3. AREA OF LOT: 3.15 ACS ±
4. TOTAL NET TRACT AREA OF PLAN: 3.15 AC.

OWNER/DEVELOPER
MICHAEL D. & JANA S. POLING
1050 HARBOR COURT
ELDERSBURG, MD 21784
(443) 223-5143

ALSO KNOWN AS 13919 FORSYTHE ROAD
TAX MAP: 9 * BLOCK: 01 * PARCEL: 162
4th ELECTION DISTRICT * HOWARD COUNTY, MD

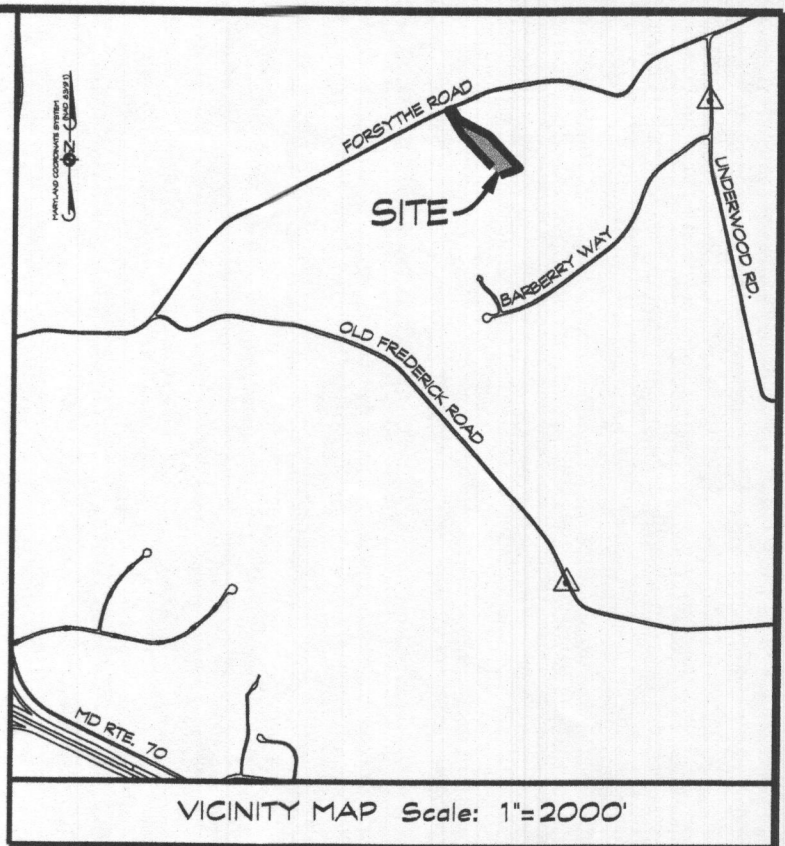
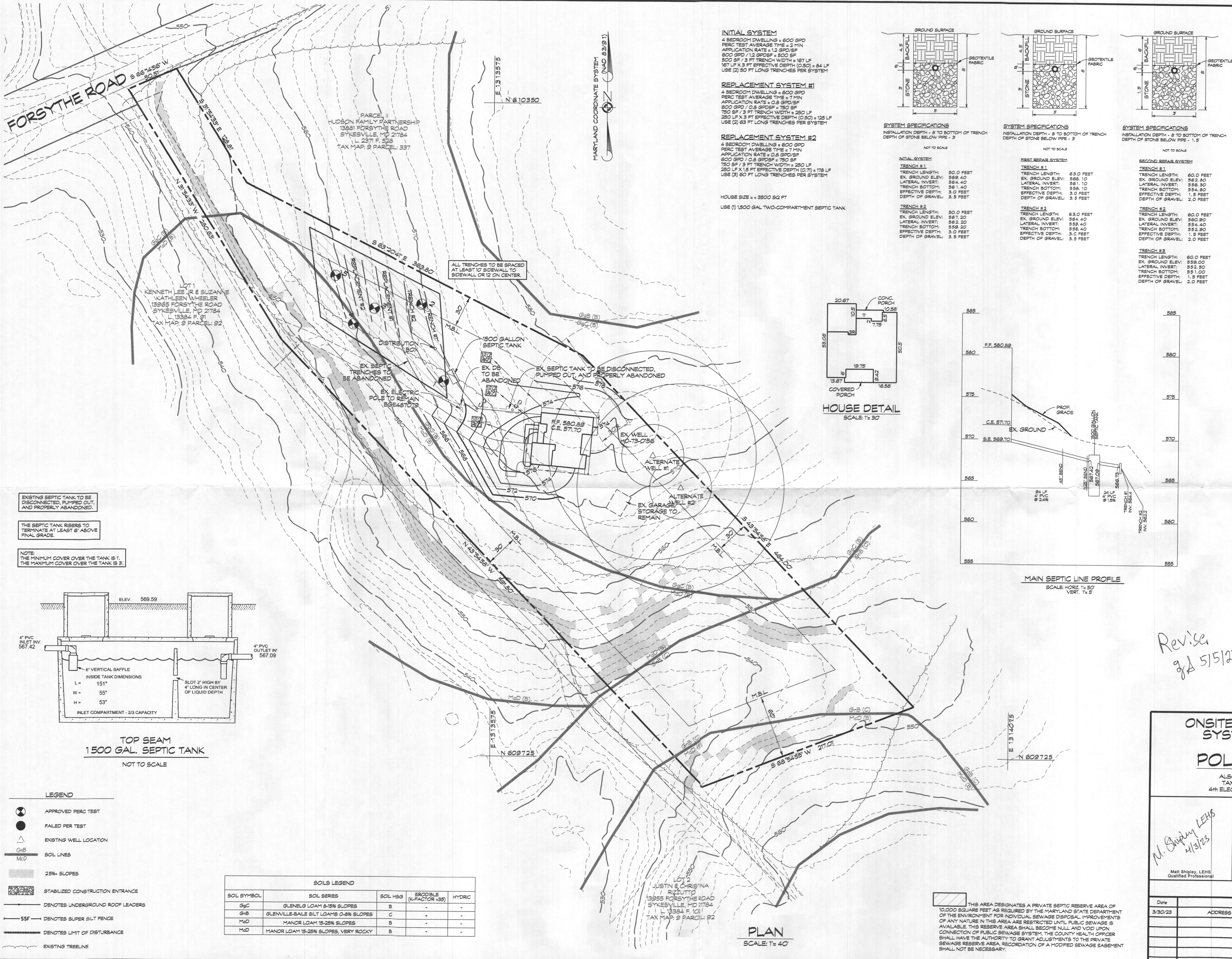
M Shipley LEHS
5/10/23

CLSI
Engineers • Surveyors
Lead Planning & Environmental Consultants
www.clsi-civileng.com

439 East Main Street Westminster, MD 21157-5539
(410) 648-1790 FAX (410) 648-1791

Matt Shipley, LEHS
Qualified Professional

Date	Revisions	Drawn By:	BH
3/30/23	ADDRESS HEALTH DEPARTMENT COMMENTS	Designed By:	BH
5/8/23	ADDRESS HEALTH DEPARTMENT COMMENTS	Reviewed By:	MS
		Date:	DECEMBER, 2022
		Scale:	AS SHOWN
		Job No.:	2006137
		Sheet:	1 OF 1



GENERAL NOTES:

1. THE PROPERTY SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
2. THERE ARE NO OTHER EXISTING WELLS AND/OR SEPTIC AREAS WITHIN 100 FEET OF THIS PROPERTY OR OTHERWISE SHOWN, FROM FIELD INSPECTION BY CLSI INC.
3. THE EXISTING WELL SHOWN HEREON, IDENTIFIED WITH WELL TAG NUMBER HO-73-0156, HAVE BEEN LOCATED AND ARE ACCURATELY SHOWN.
4. ALL EXISTING TOPO ELEVATIONS SHOWN ON THIS PLAN ARE HOWARD COUNTY 2004 TOPOGRAPHY. THE HORIZONTAL DATUM IS THE MARYLAND COORDINATE SYSTEM NAD 1983 AND VERTICAL DATUM IS BASED ON NAVD 1988.
5. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
6. 0.15 ACRES OF WOODS TO BE CLEARED.
7. 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.
8. THE MINIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
9. ANY ELECTRICAL WORK FOR THE INSTALLATION OF A SEPTIC SYSTEM MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
10. 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.

SITE ANALYSIS DATA SHEET

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DATA TABULATIONS

1. ZONING DISTRICT: RC-DEO (RURAL CONSERVATION)
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3. AREA OF LOT: 3.15 ACS ±
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OWNER/DEVELOPER
MICHAEL D. & JANA S. POLING
10501 HARBOR COURT
ELDERSBURG, MD 21784
(443) 223-5143

ONSITE SEWAGE DISPOSAL
SYSTEM DESIGN PLAN
PARCEL I
POLING PROPERTY

ALSO KNOWN AS 13919 FORSYTHE ROAD
TAX MAP: 9 * BLOCK: 01 * PARCEL: 162
44th ELECTION DISTRICT * HOWARD COUNTY, MD



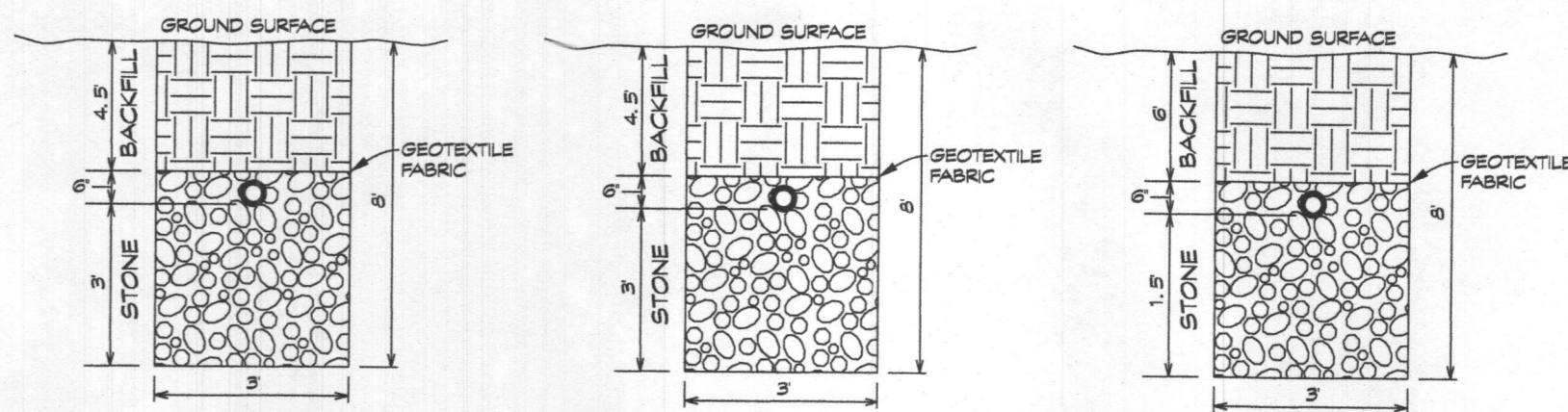
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M. Shipley LEHS
4/3/23

Matt Shipley, LEHS
Qualified Professional

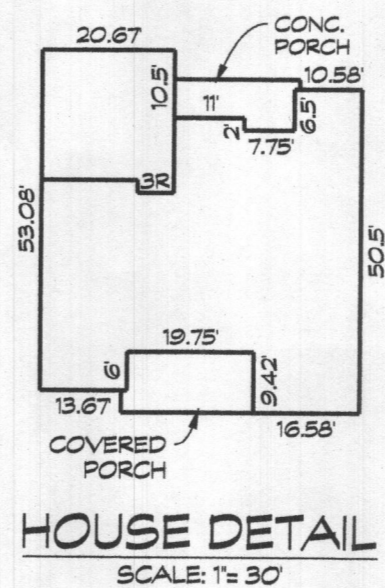
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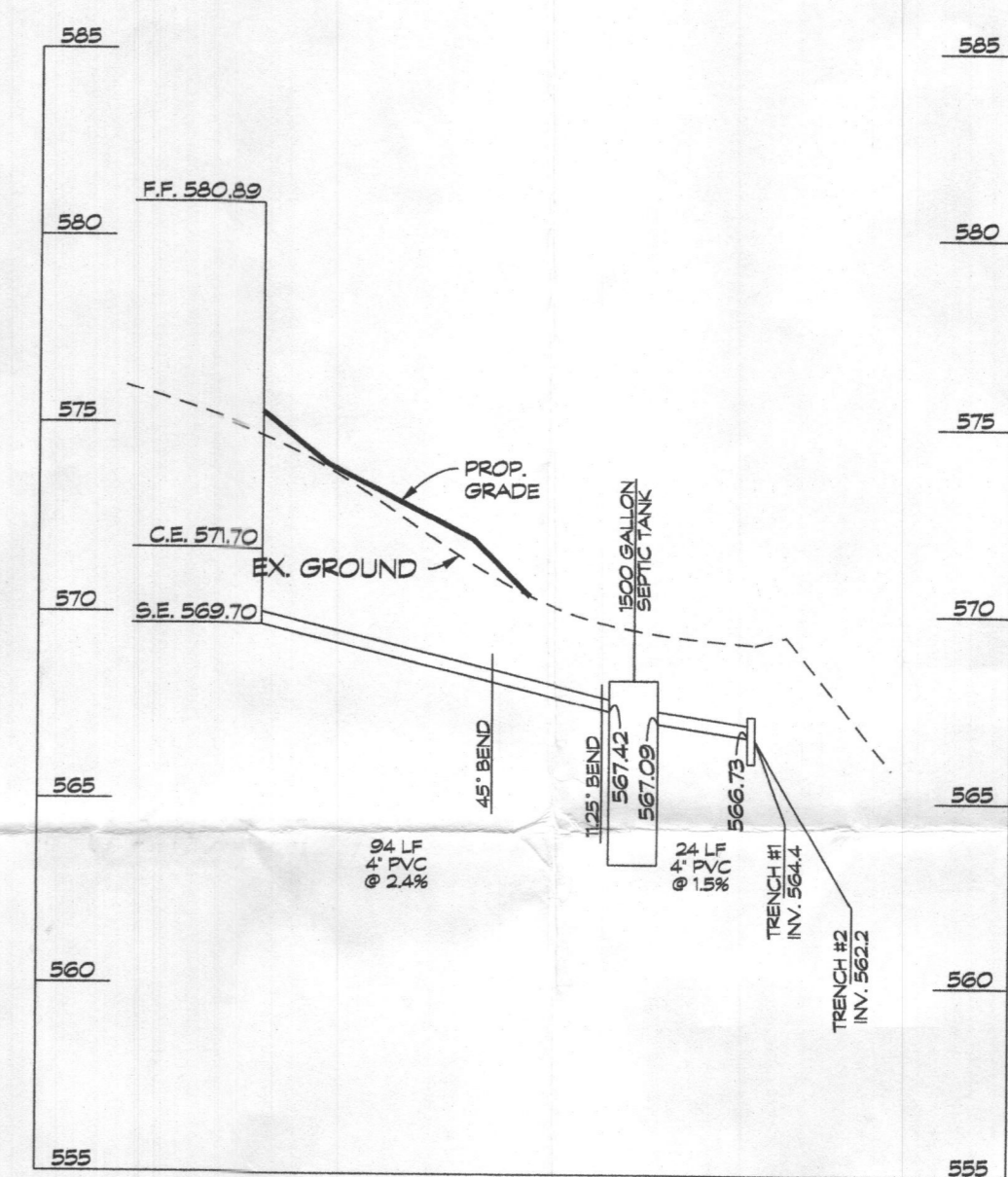


SYSTEM SPECIFICATIONS
INSTALLATION DEPTH - 8" TO BOTTOM OF TRENCH
DEPTH OF STONE BELOW PIPE - 3"

INITIAL SYSTEM	FIRST REPAIR SYSTEM	SECOND REPAIR SYSTEM
TRENCH #1 TRENCH LENGTH: 50.0 FEET EX. GROUND ELEV: 559.40 LATERAL INVERT: 561.10 TRENCH BOTTOM: 558.10 EFFECTIVE DEPTH: 3.0 FEET DEPTH OF GRAVEL: 3.5 FEET	TRENCH #1 TRENCH LENGTH: 63.0 FEET EX. GROUND ELEV: 558.10 LATERAL INVERT: 561.10 TRENCH BOTTOM: 558.10 EFFECTIVE DEPTH: 3.0 FEET DEPTH OF GRAVEL: 3.5 FEET	TRENCH #1 TRENCH LENGTH: 60.0 FEET EX. GROUND ELEV: 559.90 LATERAL INVERT: 558.80 TRENCH BOTTOM: 552.80 EFFECTIVE DEPTH: 1.5 FEET DEPTH OF GRAVEL: 2.0 FEET
TRENCH #2 TRENCH LENGTH: 50.0 FEET EX. GROUND ELEV: 557.20 LATERAL INVERT: 559.40 TRENCH BOTTOM: 558.40 EFFECTIVE DEPTH: 3.0 FEET DEPTH OF GRAVEL: 3.5 FEET	TRENCH #2 TRENCH LENGTH: 63.0 FEET EX. GROUND ELEV: 558.40 LATERAL INVERT: 559.40 TRENCH BOTTOM: 558.40 EFFECTIVE DEPTH: 3.0 FEET DEPTH OF GRAVEL: 3.5 FEET	TRENCH #2 TRENCH LENGTH: 60.0 FEET EX. GROUND ELEV: 559.90 LATERAL INVERT: 558.80 TRENCH BOTTOM: 552.80 EFFECTIVE DEPTH: 1.5 FEET DEPTH OF GRAVEL: 2.0 FEET
TRENCH #3 TRENCH LENGTH: 60.0 FEET EX. GROUND ELEV: 559.00 LATERAL INVERT: 552.80 TRENCH BOTTOM: 551.00 EFFECTIVE DEPTH: 1.5 FEET DEPTH OF GRAVEL: 2.0 FEET		



HOUSE DETAIL
SCALE: 1"=30'



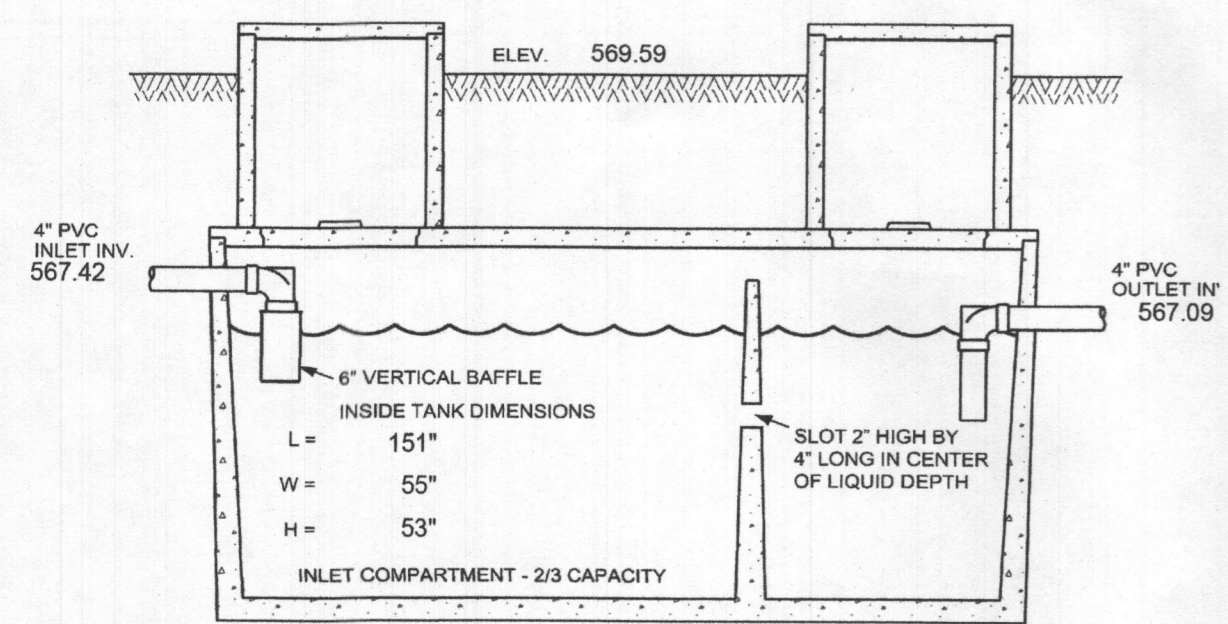
MAIN SEPTIC LINE PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'

SOILS LEGEND				
SOIL SYMBOL	SOIL SERIES	SOIL HSG	ERODIBLE (K-FACTOR x35)	HYDRIC
GpC	GLENNEL LOAM 8-15% SLOPES	B	-	-
GpB	GLENNEL-BALE SILT LOAMS 0-8% SLOPES	C	+	-
MdD	MANOR LOAM 15-25% SLOPES	B	-	-
MdD	MANOR LOAM 15-25% SLOPES, VERY ROCKY	B	-	-

EXISTING SEPTIC TANK TO BE DISCONNECTED, PUMPED OUT, AND PROPERLY ABANDONED.

THE SEPTIC TANK RISERS TO TERMINATE AT LEAST 6" ABOVE FINAL GRADE.

NOTE:
THE MINIMUM COVER OVER THE TANK IS 1'.
THE MAXIMUM COVER OVER THE TANK IS 3'.

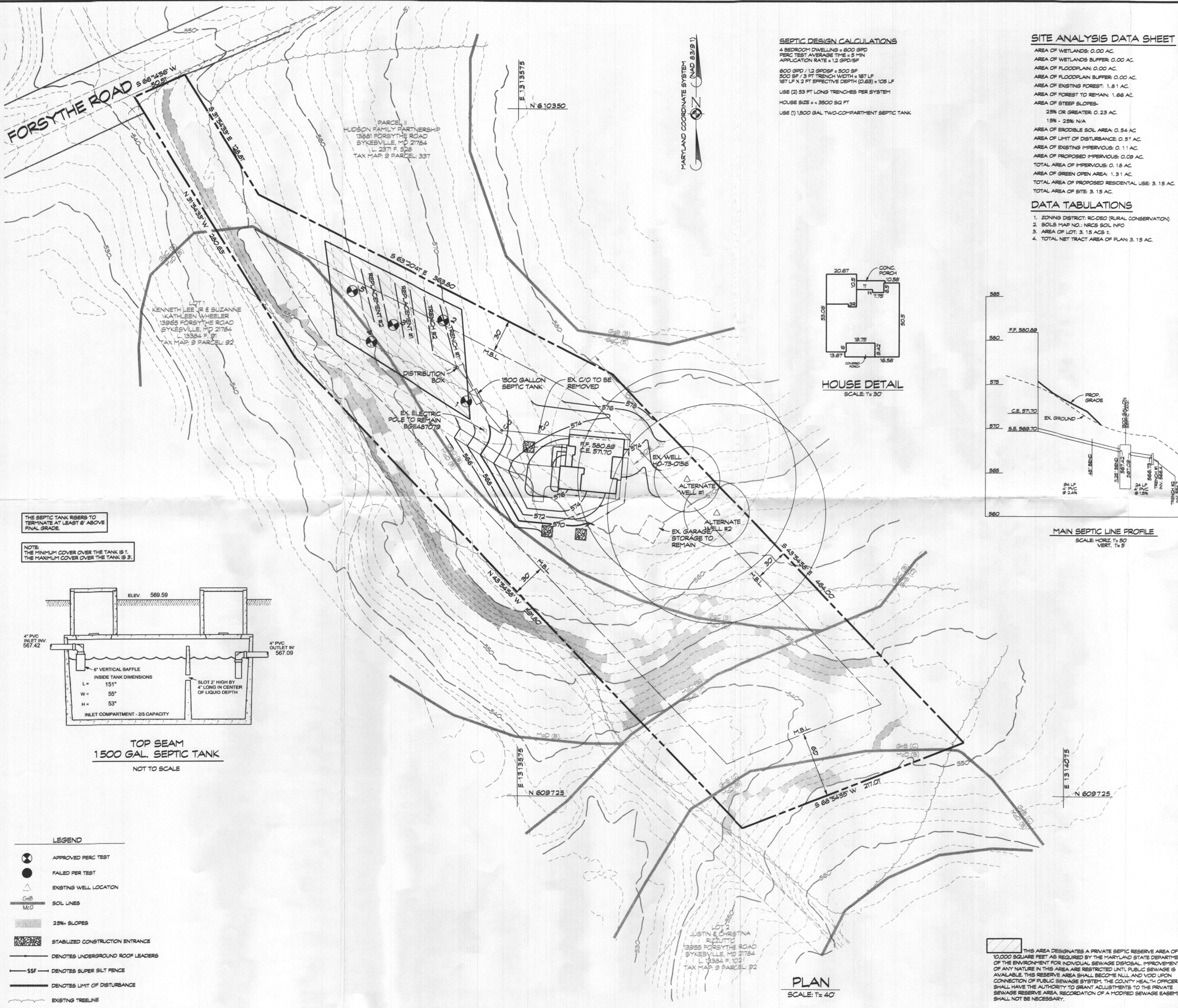


TOP SEAM
1500 GAL. SEPTIC TANK
NOT TO SCALE

- LEGEND
- APPROVED PERC TEST
 - FAILED PERC TEST
 - EXISTING WELL LOCATION
 - SOIL LINES
 - 25%+ SLOPES
 - STABILIZED CONSTRUCTION ENTRANCE
 - DENOTES UNDERGROUND ROOF LEADERS
 - SSF DENOTES SUPER BUILT FENCE
 - DENOTES LIMIT OF DISTURBANCE
 - EXISTING TREELINE

THIS AREA DESIGNATES A PRIVATE SEPTIC RESERVE AREA OF 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 SEWAGE IS AVAILABLE. THIS RESERVE AREA SHALL BECOME NULL AND VOID UPON CONNECTION OF PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE RESERVE AREA. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

PLAN
SCALE: 1"=40'



SITE ANALYSIS DATA SHEET

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TOTAL AREA OF SITE: 3.15 AC.

DATA TABULATIONS

1. ZONING DISTRICT: RC-050 (RURAL CONSERVATION)
2. SOILS MAP NO.: 1802S SOL. INFO
3. AREA OF LOT: 3.15 ACS ±
4. TOTAL NET TRACT AREA OF PLAN: 3.15 AC.

GENERAL NOTES:

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3. THE EXISTING WELL SHOWN HEREON, IDENTIFIED WITH WELL TAG NUMBER HD-73-056 HAVE BEEN LOCATED AND ARE ACCURATELY SHOWN.
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ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN PARCEL 1 POLING PROPERTY

ALSO KNOWN AS 13919 FORSYTHE ROAD
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M. Shipley LEHS
11/19/23
Qualified Professional

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