

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: 10-25-23 **ONSITE SEWAGE DISPOSAL SYSTEM** P 575679

APPROVAL DATE: 2/7/2024 **PERMIT: New CONSTRUCTION** A _____

PROPERTY ADDRESS: 1961 Old Annapolis Road

SUBDIVISION: Sartorio Property LOT: 5 TAX ID: _____

CONTRACTOR: South Carroll Backhoe EMAIL: Sebeckhoe@a.com

CONTRACTOR ADDRESS: 4410 Selam Battery Rd, Westminster, MD 21157 PHONE: 410-598-3018

PROPERTY OWNER: Ryan and Kim Earle EMAIL: _____

OWNER ADDRESS: 3405 O'Donnell Street, Baltimore, MD 21224 PHONE: 443-640-5948

SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: _____

PUMP MODEL: _____ PUMP SIZE _____ PUMP TANK CAPACITY: _____

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

TRENCHES:	LINEAR FEET REQUIRED: <u>88</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4</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 (1) 88LF trench	

ISSUED BY: H. Oswald ISSUE DATE: 10-28-23 EXPIRATION DATE: 10-25-24

- 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.

Contractor onsite - Drew Schissler
w/ South Carroll Backhoe.

Contractor is on MDF septic installer list.

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	4'-4.5'	8'
NUMBER OF TRENCHES 1		
TOTAL LENGTH 88'		
ABSORPTION AREA 264 ft ³		
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	1'-2'
BAFFLES	6" front & 4" back
BAFFLE FILTER	
MANHOLE LOC	Front & back
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	yes
DATE ON LID	12/26/2023
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:

1/26/24 - pre con w/ contractor onsite, hung sewer, will easily make fall to the septic tank & trenches. Septic tank & ends of trench staked. We laid out one trench @ 88' along contour using a laser transit, added more stakes to trench layout (no paint because of rain), the trench had some minor contour changes in elevation, primarily from the builder removing trees that were located in the SDA. OK to start installation. (R)

INSTALLATION: 2/1/2024 - Contractor onsite during inspection. Septic tank installed. 6" front & 4" back baffle installed, tank slotted. Inlet line has adequate fall & pipe is SCHD 40, same for outlet.

After set, w/ that part of baffle trench is 88' long 3' wide, same is ok, also part @ end of trench. OK to backfill. (R)

2/7/2024 - Saw SCHD 40 PVC running to house. Saw c/c next to foundation. OK to backfill. (R)

FINAL INSPECTOR

S. Page

DATE OF APPROVAL

2/7/2024

MO-95-0479

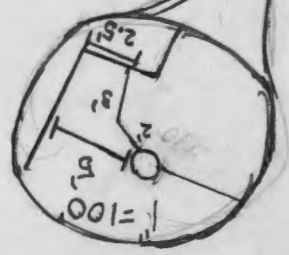
(M)

168'

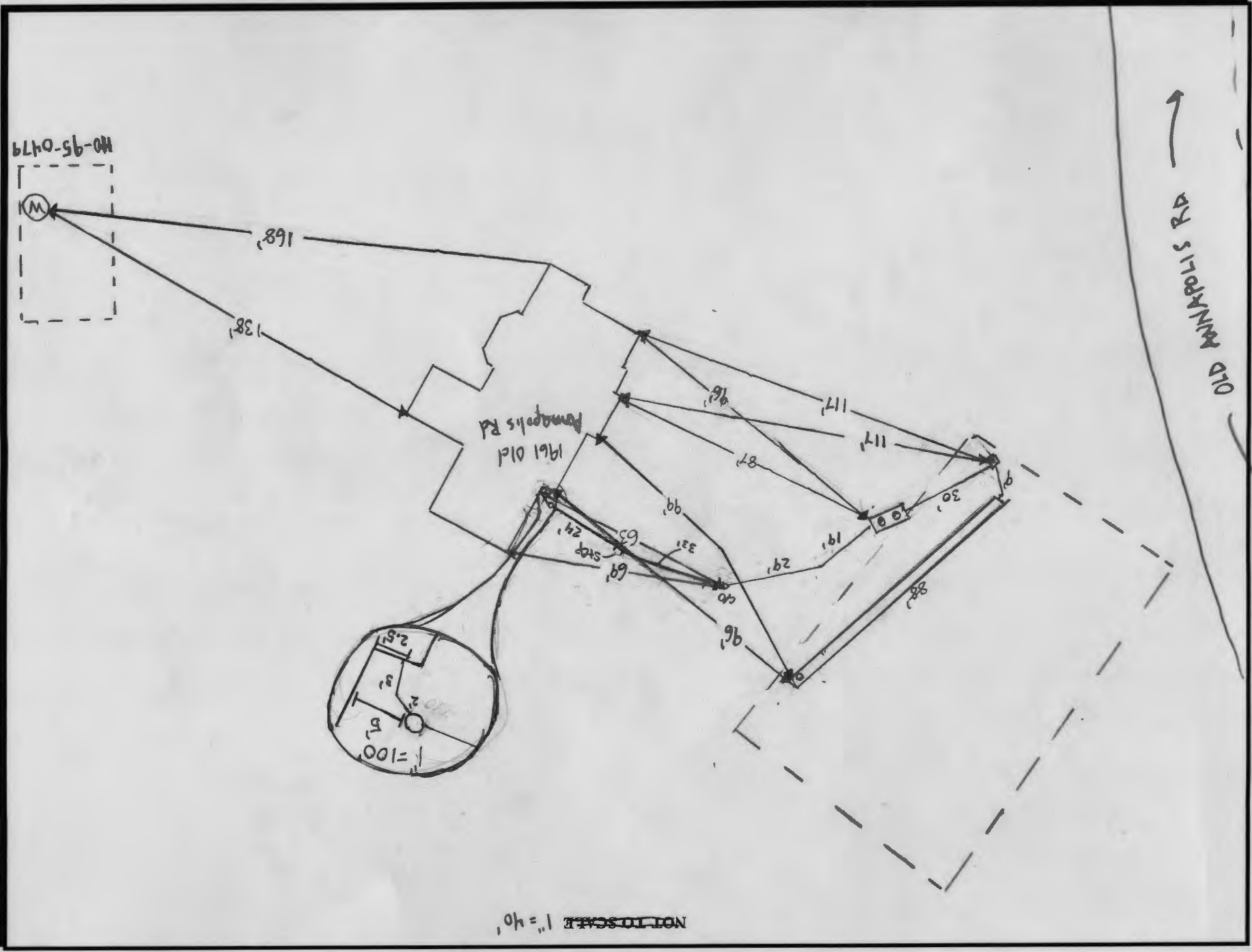
138'

1961 Old
Pompano's Rd

OLD POMPANO'S RD



NOT TO SCALE 1" = 40'



NOTES:
 1- FOR GENERAL NOTES SEE PLAT 18520.
 2- M.B.L. DENOTES MINIMUM BUILDING LINE

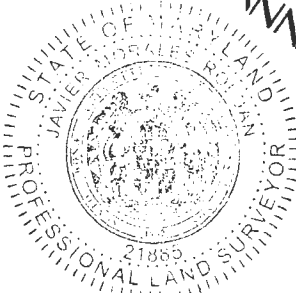
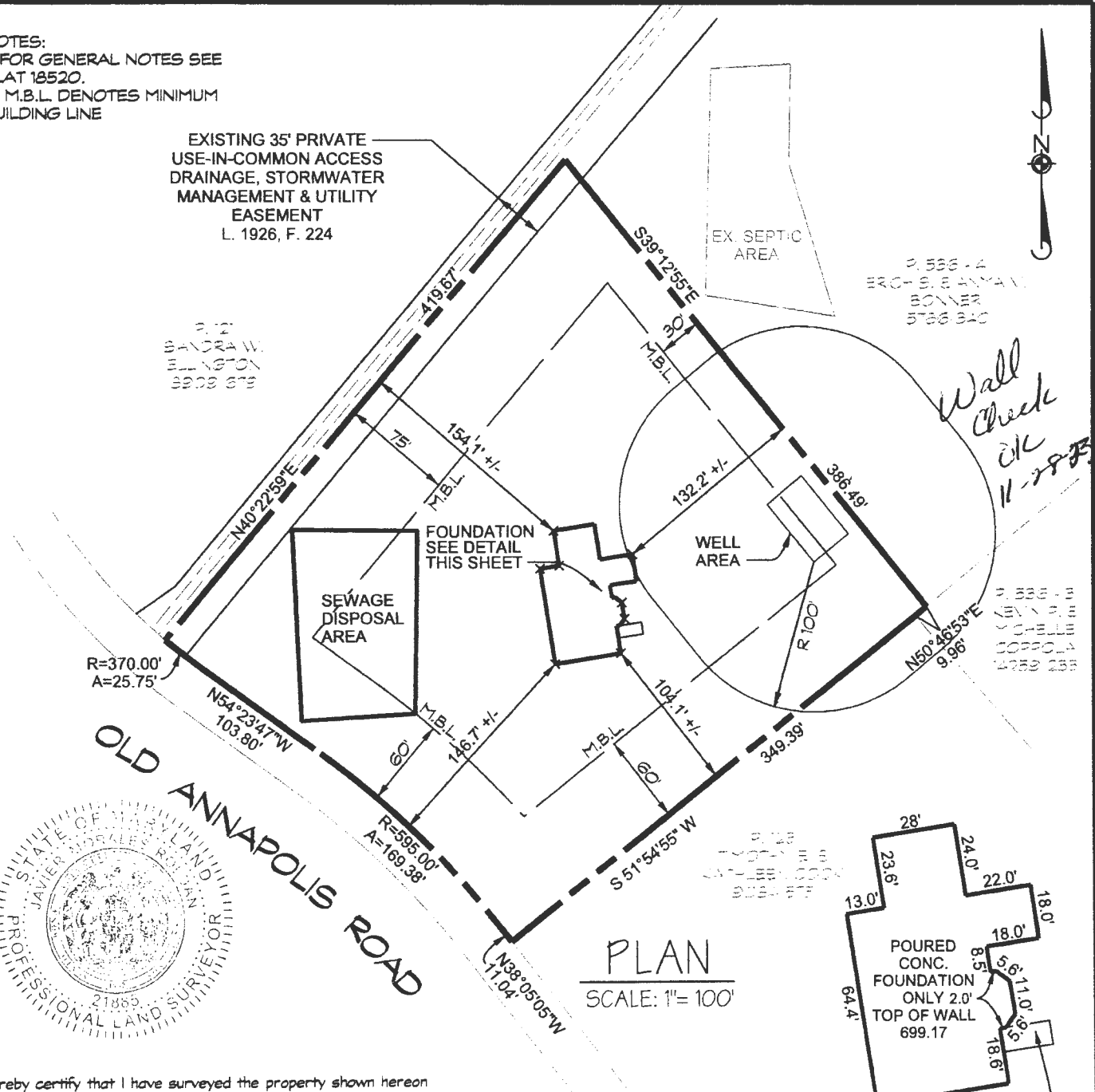
EXISTING 35' PRIVATE USE-IN-COMMON ACCESS DRAINAGE, STORMWATER MANAGEMENT & UTILITY EASEMENT
 L. 1926, F. 224

21885 SANDRA W. BELLINGTON 8908 878

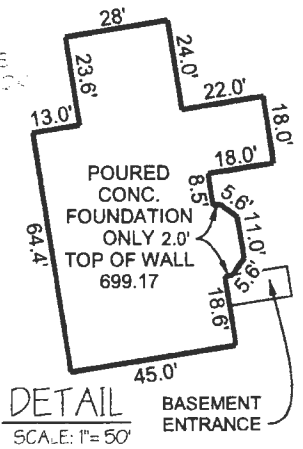
21586-4 ERIC S. BANYAN BONNER 5786 340

21586-8 ERIC S. BANYAN YOCHELLE COPPOLA 14259 288

Wall Creek c/c 11-28-23



PLAN
 SCALE: 1" = 100'



DETAIL
 SCALE: 1" = 50'

I hereby certify that I have surveyed the property shown hereon for the sole purpose of locating the improvements. This plan is a benefit to the customer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing or refinancing. It is not to be relied upon for the establishment of boundary, easement or right-of-way lines for any reason, such as the location of fences, garages, buildings, or other existing or future improvements. Offsets of buildings to property lines are to the nearest foot (1) unless otherwise noted, and has an accuracy of +/- 1 foot.

FOUNDATION CERTIFICATION
SARTORIO PROPERTY

LOT 5 - RECORDED IN PLAT No. 18520
 1961 OLD ANNAPOLIS ROAD ACCOUNT # 371186
 TAX MAP: 7 BLOCK: 21 PARCEL: 536 LOT: 5
 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

By: *Javier Morales Roldán* Date: *11/20/23*
 Javier Morales Roldán Professional Land Surveyor No. 21885
 License expires August 09, 2025

A licensed Maryland Surveyor either personally prepared this Foundation Certification, or was in responsible charge over its preparation and the surveying work reflected in it, in compliance with the Maryland Minimum Standards of Practice for Land Surveyors. (COMAR 09-13-06.07 AND .12)



439 East Main Street Westminster, MD 21157-5539
 (410) 848-1790 FAX (410) 848-1791

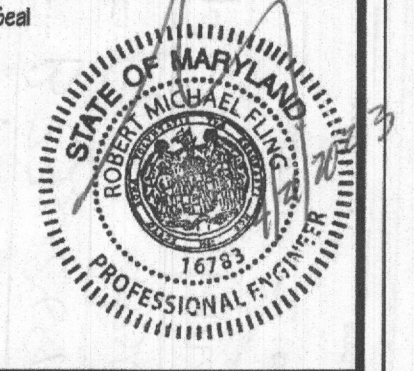
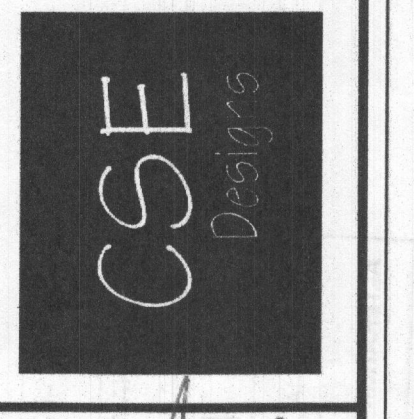
DRAWN BY:	JS
DESIGN BY:	
REVIEW BY:	JMR
DATE:	11-20-2023
SCALE:	AS SHOWN
JOB NO.:	2018208
SHEET:	1 OF 1

Revisions

Product Name
JMB Homes
The Earle Residence

Sheet Title
Second Floor Plan

CSE Designs, Inc.
7371 Atlas Walk Way,
Suite 110,
Chantrelle, Virginia, 20155
Ph: 703-969-2272
Fax: 703-969-2271



Drawing No.
A-3

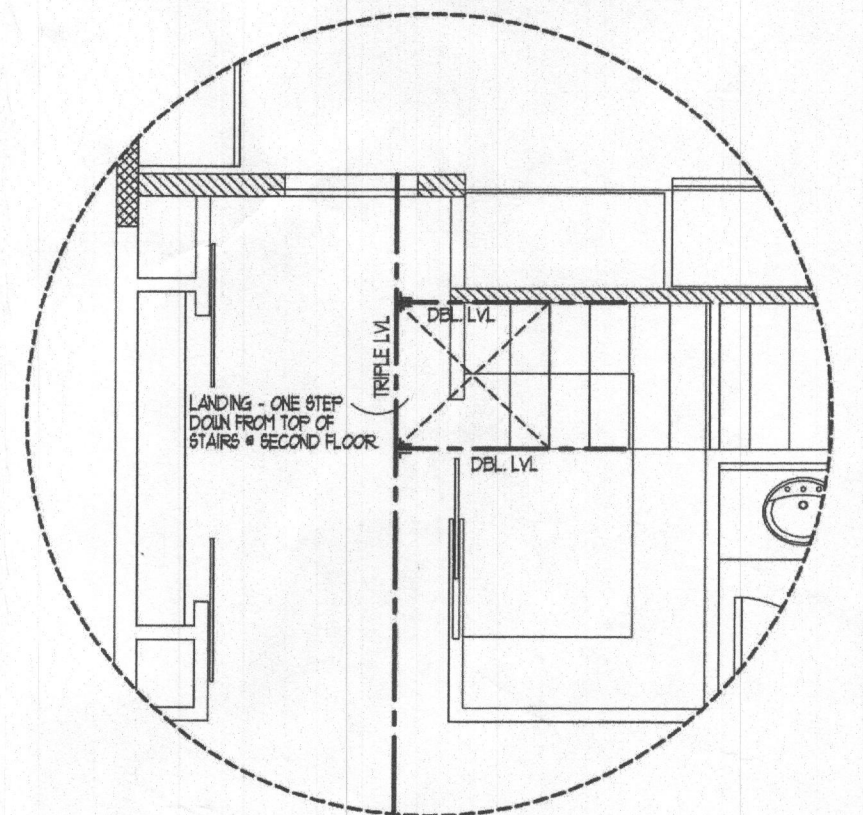
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- CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL LOCAL BUILDING CODES AND ORDINANCES. CSE Designs, Inc. MAY NOT BE HELD RESPONSIBLE FOR THE SITE CONDITIONS OR FOR THE USE OF THESE DRAWINGS DURING CONSTRUCTION.
- THE OWNER AND BUILDER AGREE TO HOLD THE AUTHOR OF THESE DRAWINGS HARMLESS FOR ANY AND ALL ERRORS, OMISSIONS OR OTHER PROBLEMS ARISING FROM THE USE OF THESE PLANS.
- THESE DRAWINGS ARE ABREVIATED AND ARE NOT INTENDED TO SPECIFY ALL STRUCTURAL DETAILS, MATERIAL SIZES OR CONDITIONS NECESSARY FOR CONSTRUCTION. THE BUILDER AND/OR THE OWNER WILL MAKE ANY AND ALL DECISIONS AND SELECTIONS NECESSARY FOR CONSTRUCTION.
- EXACT SIZE AND REINFORCEMENT OF ALL CONCRETE FOOTINGS MUST BE DETERMINED BY LOCAL SOIL CONDITIONS AND ACCEPTABLE PRACTICES OF CONSTRUCTION. VERIFY DEPTH WITH LOCAL ENGINEER.
- VERIFY ALL STRUCTURAL ELEMENTS FOR DESIGN AND SIZE WITH LOCAL ENGINEER AND BUILDING OFFICIALS.
- BOTTOM OF ALL FOOTINGS SHALL EXTEND BELOW FROST-LINE. VERIFY DEPTH.
- ALL CONSTRUCTION IS TO COMPLY WITH THE LATEST EDITIONS OF THE APPLICABLE BUILDING CODES AND ALL OTHER APPLICABLE REGULATIONS (FEDERAL, STATE AND LOCAL).

PLAN and FRAMING NOTES:
RECORDED: PLEASE SEE ALL PLAN and FRAMING NOTES ON SHEET A-0 FOR ADDITIONAL CODE COMPLIANCE INFORMATION NOT SHOWN ON THIS SHEET. THE NOTES ON SHEET A-0 (AS APPLICABLE) MUST BE USED IN CONJUNCTION WITH THESE DRAWINGS TO ENSURE CODE COMPLIANCE.

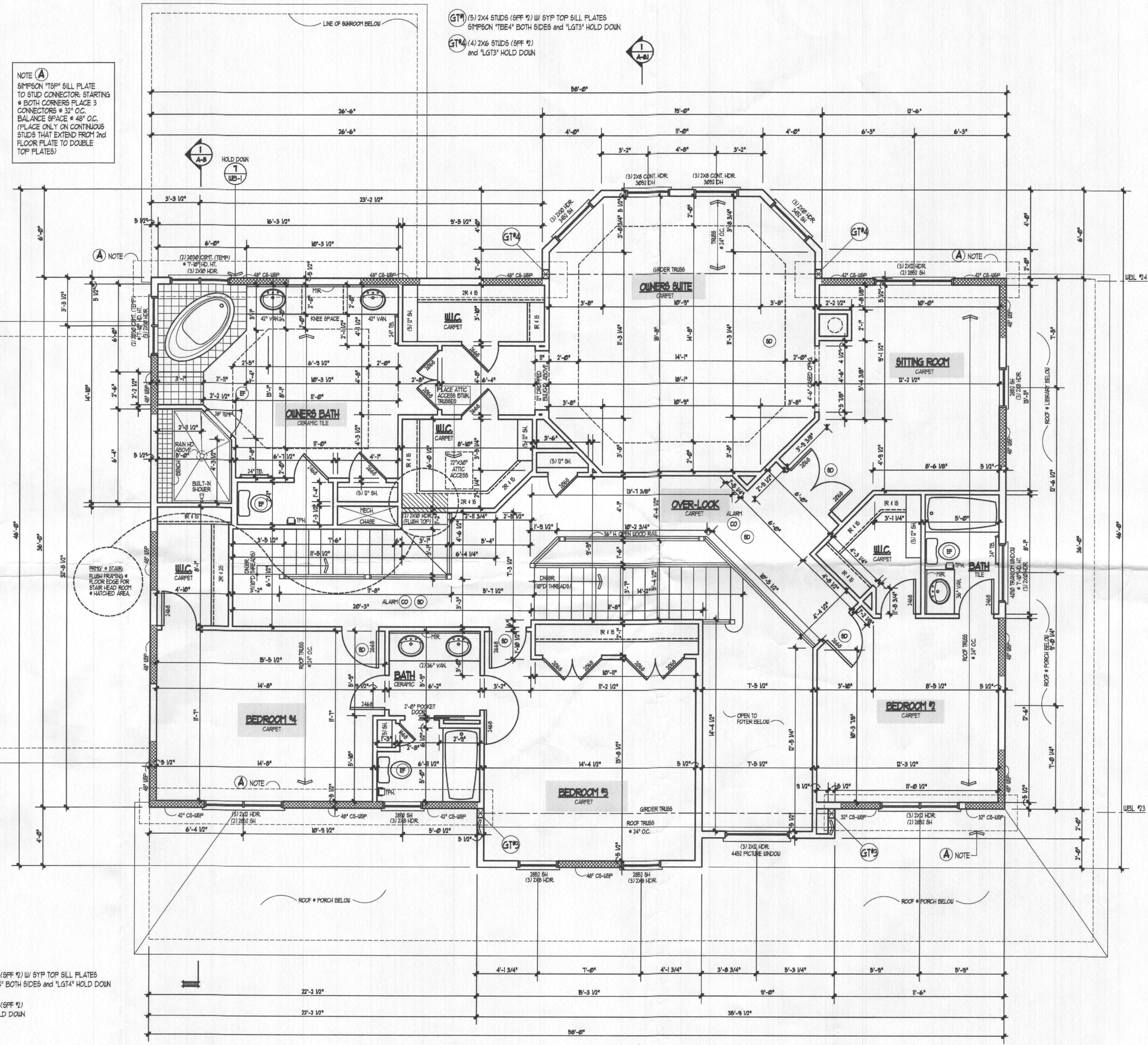
SEE ATTACHED MANUFACTURERS FLOOR AND ROOF FRAMING LAYOUT FOR MORE INFORMATION.

UPLIFT LOAD (NOT TO EXCEED)	FASTENER (SIMPSON OR EQUAL)		
	ITEM #	TO RAFTERS/ TRUSS	TO PLATES/ STUDS
100 LBS.		2 - 16d TOE NAILS - PER CODE	
340 LBS.	H25	5 - 8d	5 - 8d
600 LBS.	(2) H25	10 - 8d	10 - 8d
800 LBS.	MT82	7 - 10d	7 - 10d
1250 LBS.	(2) L782	12 - 10d	12 - 10d
1484 LBS.	(2) H10	16 - 8d X 1-1/2	16 - 8d X 1-1/2
1640 LBS.	(2) MT82	TO WALL FRAMING	TO TRUSS
		4 - 10d	4 - 10d
GREYER TRUSSES			
1785 LBS.	LGT2 (2-PLY)	16 - 16d	14 - 16d
2695 LBS.	LGT3 (3-PLY)	12 - SD6 1/2X2 1/2	26 - 16d
2925 LBS.	LGT4 (4-PLY)	12 - SD6 1/2X3	30 - 16d
USE 16d SINKERS			
* LOADS MODIFIED FOR SPRUCE PINE FRAMING MATERIAL			



FRM'G. STAIR LANDING
(SEE FIRST FLOOR PLAN - SH1, A2) SCALE: 1/4" = 1'-0"

HEALTH DEPT PLANS



NOTE (A)
SIMPSON "15P" BILL PLATE TO STUD CONNECTOR, STARTING @ BOTH CORNERS PLACE 3 CONNECTORS @ 32" O.C. BALANCE SPACE @ 48" O.C. (PLACE ONLY ON CONTINUOUS STUDS THAT EXTEND FROM 2nd FLOOR PLATE TO DOUBLE TOP PLATES)

G17 (5) 2X4 STUDS (6FF #2) W/ SYP TOP BILL PLATES SIMPSON "TBE4" BOTH SIDES and "LGT4" HOLD DOWN
G18 (5) 2X6 STUDS (6FF #2) and "LGT3" HOLD DOWN

SECOND FLOOR PLAN
2846 SQ. FT. SCALE: 1/4" = 1'-0"

CAD Drawing File Name: c:\3019\201908\0508\0508.dwg SHEET\0508.dwg

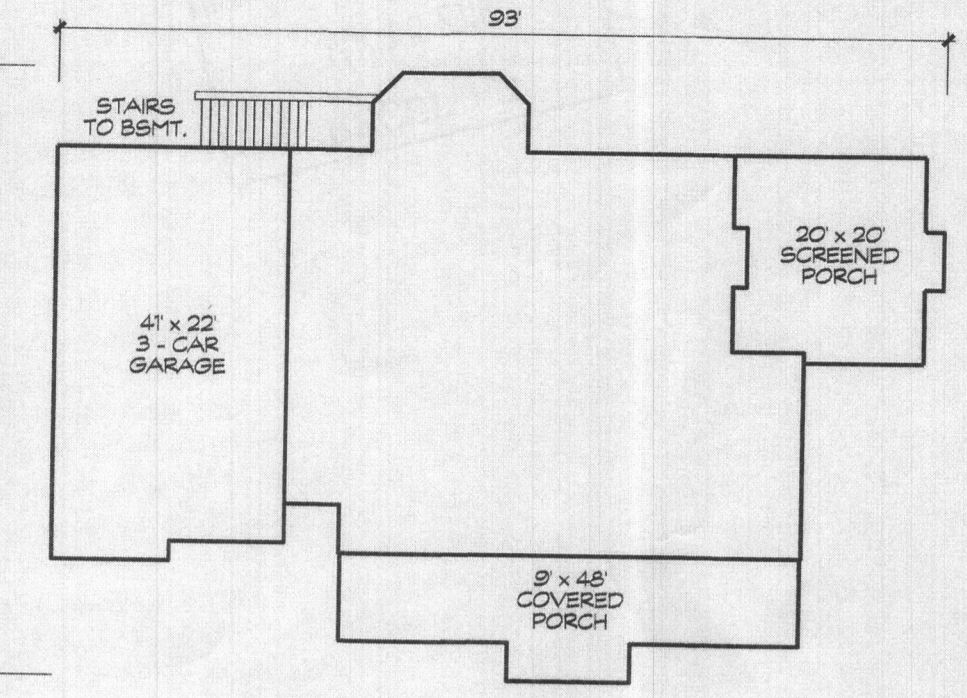
MARYLAND COORDINATE SYSTEM (NAD 83/91)

E 1282700
N 601700

E 1282700
N 601700

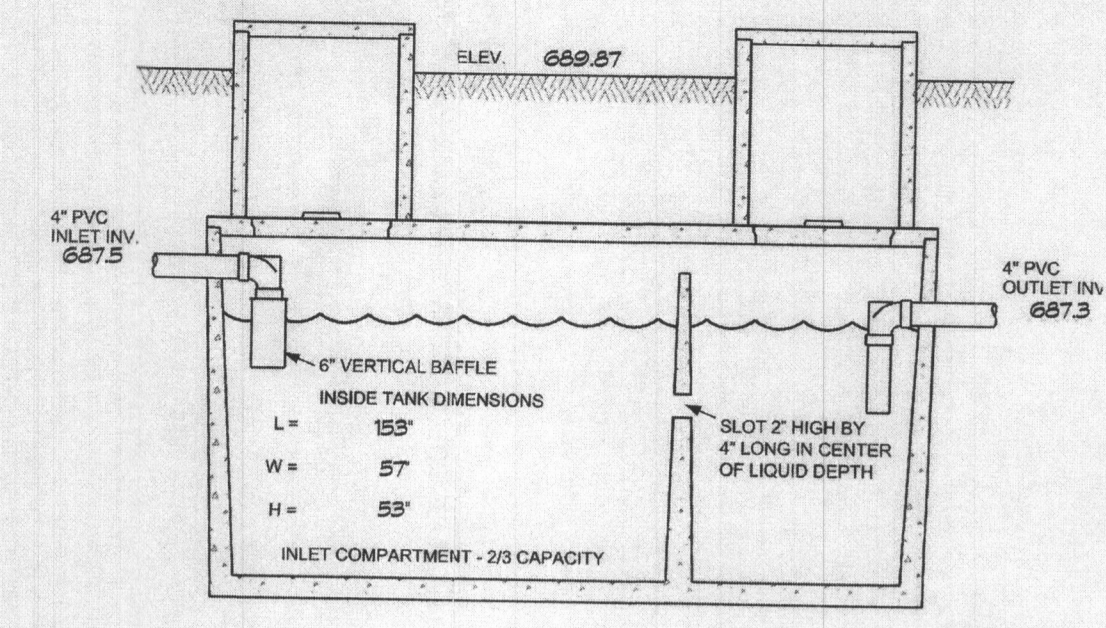
EXISTING 35' PRIVATE USE-IN-COMMON ACCESS DRAINAGE, STORMWATER MANAGEMENT & UTILITY EASEMENT FOR LOT 1 & 3 - S. L. 1926, P. 224

EXISTING 16' PRIVATE USE-IN-COMMON DRIVEWAY

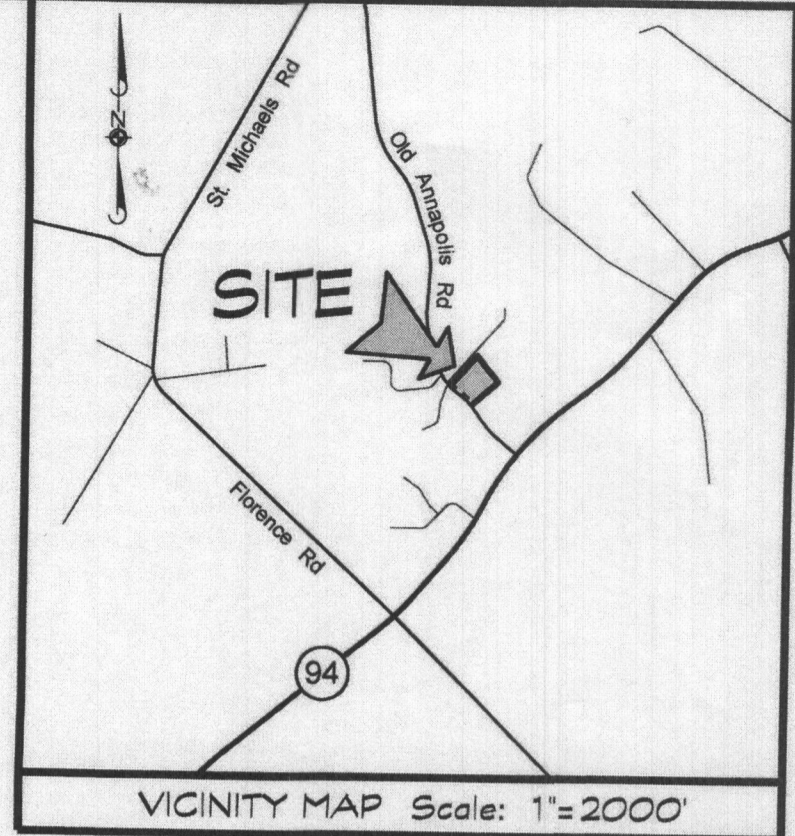


HOUSE PLAN
SCALE: 1" = 20'

NOTE: THE SEPTIC TANK RISERS TO TERMINATE AT LEAST 6" ABOVE FINIAL GRADE.



TOP SEAM
1500 GAL SEPTIC TANK
(NOT TO SCALE)



SEPTIC SYSTEM TRENCH DESIGN:
 PROPOSED NUMBER OF BEDROOMS = 5
 INITIAL SYSTEM:
 APPLICATION RATE = 1.2
 DESIGN FLOW: 150 GALS x 5 BEDROOMS = 750 GAL/DAY
 750 GAL/DAY / 12 GAL / DAY/SQ. FT. = 625 SQ. FT.
 SIDEWALL REDUCTION = 42%
 625 SQ. FT. x 42% / 3 FT. = 87.5 USE 88 LF. OF TRENCH
 INITIAL SYSTEM
 USE 88 LF. OF TRENCH
 REPLACEMENT SYSTEMS 1 & 2
 USE 88 LF. OF TRENCH

PLAN 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. IF A BUILDING PERMIT IS SUBMITTED ANYTIME IN THE FUTURE, A SEPTIC SYSTEM UPGRADE WILL BE REQUIRED TO FINISH THE AREA CURRENTLY IDENTIFIED AS THE BASEMENT. AT THAT TIME, A SEPTIC SYSTEM UPGRADE WILL BE REQUIRED, AS FINISHING THE BASEMENT COULD POSSIBLY CREATE A SIXTH BEDROOM, PER HOWARD COUNTY CODE 8.80.1(B).
4. TANK MEASUREMENTS AND ELEVATIONS ARE BASED ON SEPTIC TANKS AS MANUFACTURED BY MAYER BROS., ELK RIDGE, MD 410-798-1434.
5. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND 200 FEET DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

GENERAL NOTES

1. THE STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY ROOFTOP AND NON-ROOFTOP DISCONNECTION.
2. THERE ARE NO STREAMS, PONDS, FLOODPLAINS, OR WETLANDS ON THIS LOT.
3. THERE ARE NO 20% OR GREATER SLOPES ON THIS LOT.
4. THE EXISTING WELL (TAG # HO-95-0479) HAS BEEN FIELD LOCATED BY CLSI AND IS ACCURATELY SHOWN HEREON.

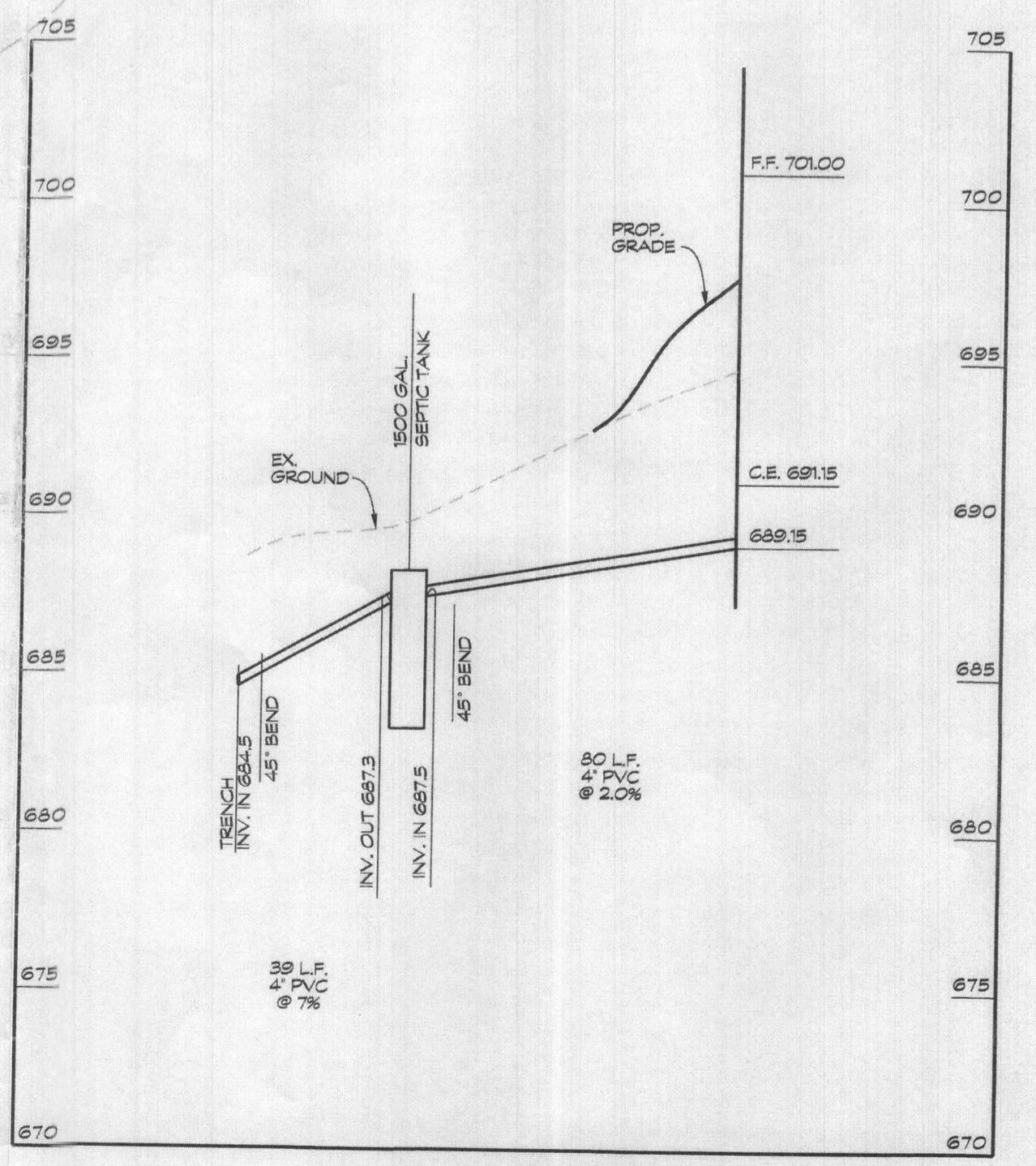
Approved Septic System Plan
 Howard County Health Department
 Signature: *Linda D. Alexander* 1/8/19
 Date

TRENCH CHART

TRENCH	EX. GROUND	INV. ELEV.	BOTTOM OF TRENCH
1	686.5	684.5	680.5

- LEGEND**
- ▲ EXISTING WELL LOCATION
 - SOLI LINES
 - APPROVED SEWAGE DISPOSAL AREA
 - ⊙ APPROVED PERCOLATION TESTS
 - FLOW DIRECTION
 - SF — SILT FENCE
 - ▣ STABILIZED CONSTRUCTION ENTRANCE
 - LOD — LIMIT OF DISTURBANCE

PLAN
SCALE: 1" = 40'



SEPTIC LINE PROFILE
SCALE: HORIZ. 1" = 40'
VERT. 1" = 5'

OWNER/DEVELOPER
 STEVEN P. & LINDSEY PORTER
 7774 WOODBINE ROAD
 WOODBINE, MD 21797
 (410) 552-6210

ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
SARTORIO PROPERTY, LOT 5
 1961 OLD ANNAPOLIS ROAD ACCOUNT # 371186
 TAX MAP: 7 BLOCK: 21 PARCEL: 536 LOT: 5
 4th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND

Linda D. Alexander
 Linda D. Alexander
 Qualified Professional

CLSI
 Engineers • Surveyors • Landscape Architects
 www.clsi-chileng.com
 439 East Main Street Westminster, MD 21157-5539
 (410) 848-1790 FAX (410) 848-1791

Date	Revisions	Drawn By:
1/9/19	add well note to General Notes	
		Designed By:
		Reviewed By:
		Date: NOVEMBER, 2018
		Scale: AS SHOWN
		Job No.: 2018208
		Sheet: 1 of 1

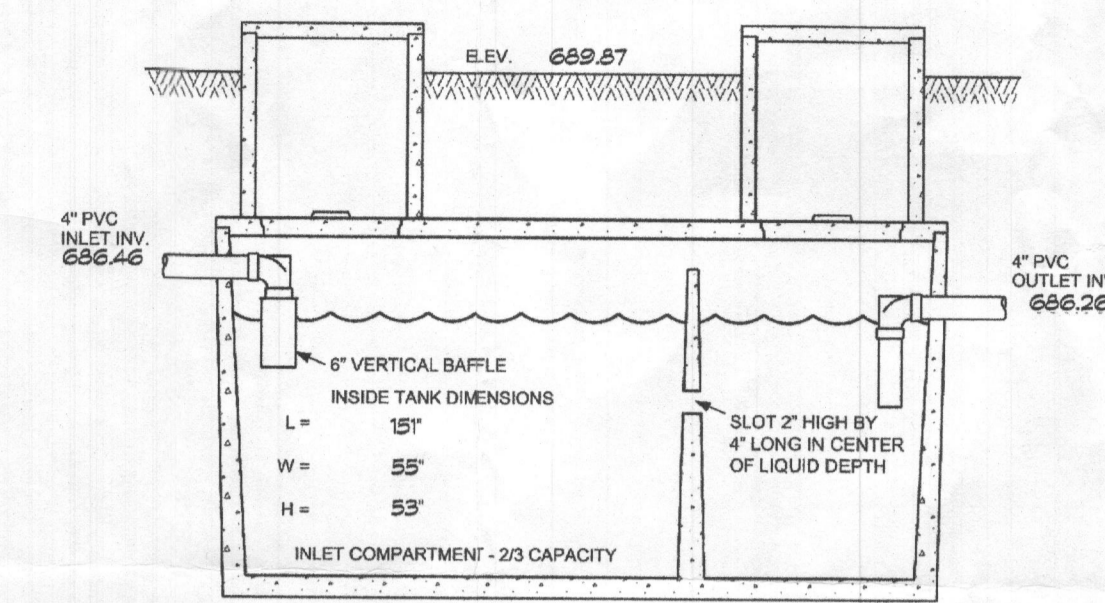
SEPTIC SYSTEM DESIGN CRITERIA:

TOTAL BEDROOMS - 5 (750 GPD)

INITIAL AND REPLACEMENT SYSTEMS

APPLICATION RATE = 1.2 GPD/SQ. FT.
EFFECTIVE DEPTH IS 4'
TRENCH WIDTH = 3'
150 GAL. x 5 BEDROOMS = 750 GAL/DAY
750 GAL/DAY / 1.2 GAL/DAY/SQ. FT. = 625 SQ. FT.
625 SQ. FT. / 3' = 208.33 L.F.
208.33 L.F. x 4.2' = 875 L.F. OF DEEP TRENCH
INSTALL (1) 88 L.F. TRENCH PER SYSTEM

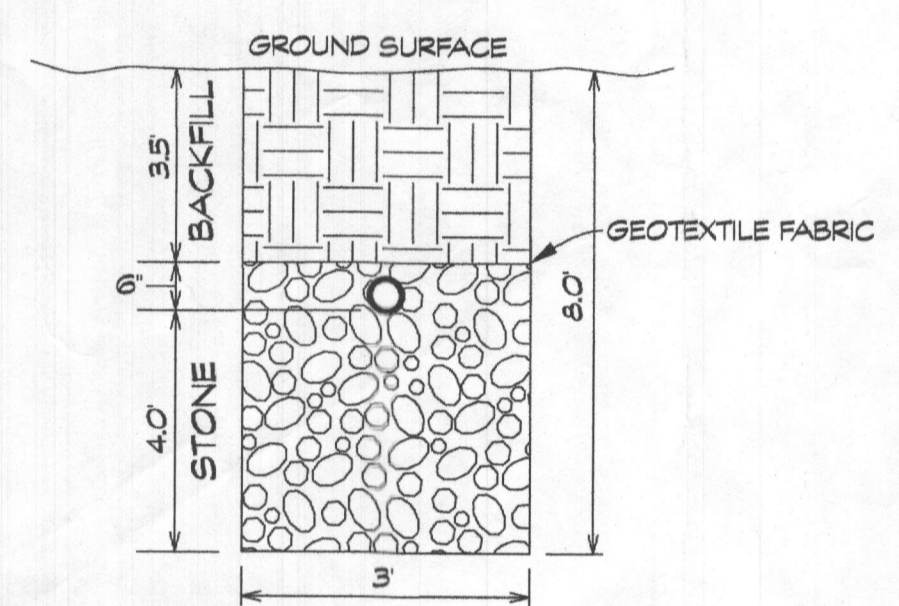
SQUARE FOOTAGE OF HOUSE - 1,501 - 3,500 SQ. FT.
USE (1) 1,500 GALLON SEPTIC TANK



**TOP SEAM
1500 GAL SEPTIC TANK**
(NOT TO SCALE)

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'.



SYSTEM SPECIFICATIONS
INSTALLATION DEPTH - 6' TO BOTTOM OF TRENCH
DEPTH OF STONE BELOW PIPE - 4'

NOT TO SCALE

PLAN NOTES

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- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND 200 FEET DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

GENERAL NOTES

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- THERE ARE NO 20% OR GREATER SLOPES ON THIS LOT.
- THE EXISTING WELL (TAG # HO-95-0479) HAS BEEN FIELD LOCATED BY CLSI AND IS ACCURATELY SHOWN HEREON.

INITIAL SYSTEM

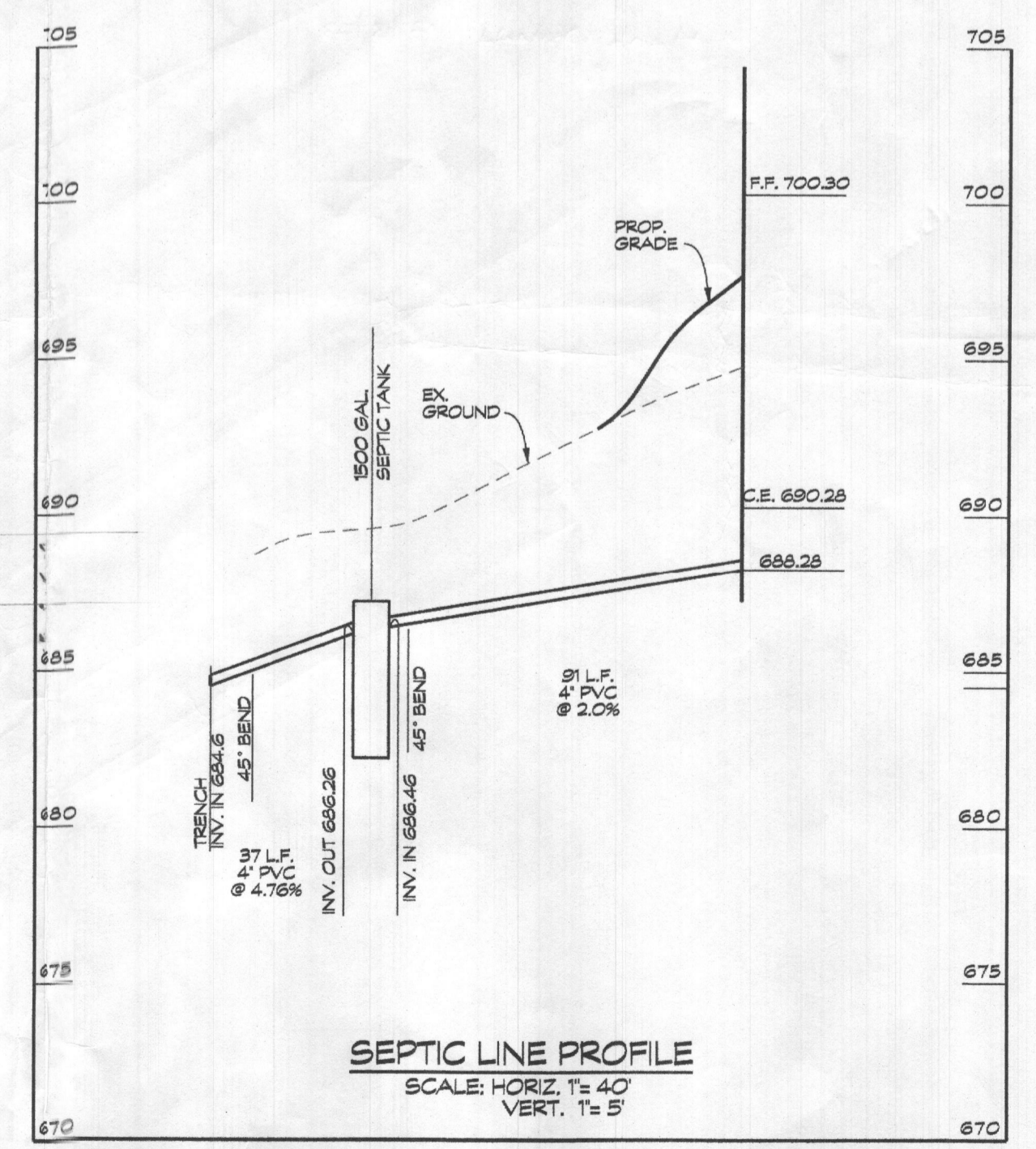
TRENCH #1
TRENCH LENGTH: 88.0 FEET
EX. GROUND ELEV: 686.6
LATERAL INVERT: 684.6
TRENCH BOTTOM: 680.6
EFFECTIVE DEPTH: 4.0 FEET
DEPTH OF GRAVEL: 4.5 FEET

FIRST REPAIR SYSTEM

TRENCH #1
TRENCH LENGTH: 88.0 FEET
EX. GROUND ELEV: 687.6
LATERAL INVERT: 683.6
TRENCH BOTTOM: 679.6
EFFECTIVE DEPTH: 4.0 FEET
DEPTH OF GRAVEL: 4.5 FEET

SECOND REPAIR SYSTEM

TRENCH #1
TRENCH LENGTH: 88.0 FEET
EX. GROUND ELEV: 686.5
LATERAL INVERT: 682.5
TRENCH BOTTOM: 678.5
EFFECTIVE DEPTH: 4.0 FEET
DEPTH OF GRAVEL: 4.5 FEET



SEPTIC LINE PROFILE
SCALE: HORIZ. 1"=40'
VERT. 1"=5'

OWNER/DEVELOPER
RYAN & KIM EARLE
3405 O'DONNELL STREET
BALTIMORE, MD 21224
(443) 640-5948
(856) 905-4777

Approved Septic System Plan
Howard County Health Department
Hank Oswald 8/3/23
Signature Date

**ONSITE SEWAGE DISPOSAL
SYSTEM DESIGN PLAN**
SARTORIO PROPERTY, LOT 5
1961 OLD ANNAPOLIS ROAD ACCOUNT # 371186
TAX MAP: 7 BLOCK: 21 PARCEL: 536 LOT: 5
4th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND

CLSI
Civil Engineering & Environmental Consultants
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439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 848-1791

Linda D. Alexander
Qualified Professional

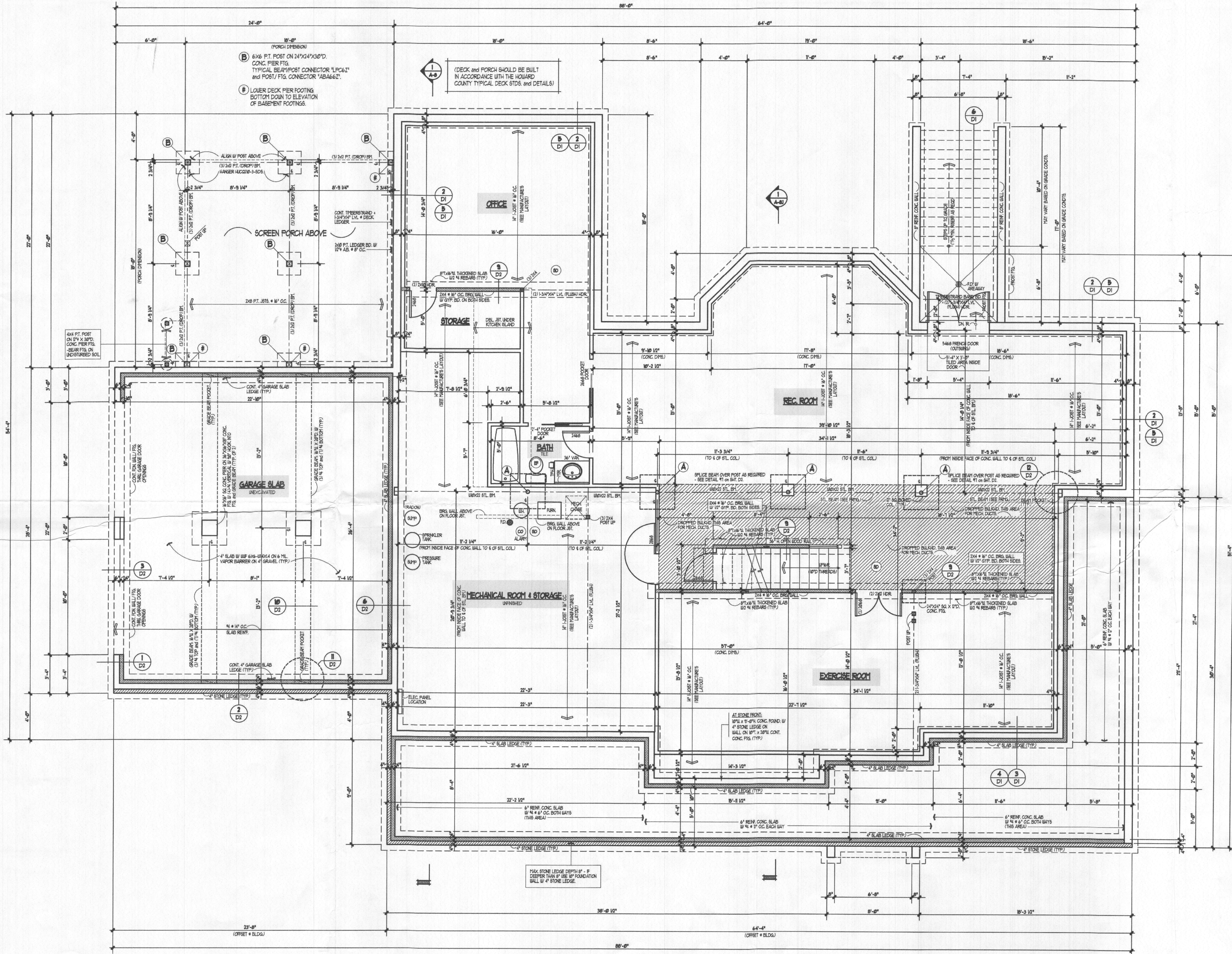
Date	Revisions	Drawn By:	BH
		Designed By:	LA
		Reviewed By:	
		Date:	NOVEMBER, 2018
		Scale:	AS SHOWN
		Job No.:	2078208
		Sheet:	1 of 1

LEGEND

- ▲ EXISTING WELL LOCATION
- G9a SOIL LINES
- G9c SOIL LINES
- APPROVED SEWAGE DISPOSAL AREA
- 604 APPROVED PERCOLATION TESTS
- FLOW DIRECTION
- SF SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- LOD LIMIT OF DISTURBANCE

PLAN
SCALE: 1"=40'

CAD Drawing File Name: G:\2018\01\03\08\OSDS\OSDS SHEET\01\OSDS.dgn



FOUNDATION and BASEMENT PLAN
 2675 SQ. FT. SCALE: 1/4" = 1'-0"

HEALTH DEPT PLANS

Date: April 21, 2023

Revisions:

Product Name: **The Earle Residence**

Sheet Title: **Foundation & Basement Plan**

CSE Designs, Inc.
 7371 Atlas Walk Way,
 Suite 110,
 Gaithersville, Virginia 20155
 Ph: 703-969-2878
 Fax: 703-754-9317

Seal:

Drawing No.: **A-1**