

**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](http://www.hchealth.org)  
 Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 12/28/17 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 562377

APPROVAL DATE: 4/25/18 SEC **PERMIT: CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 17751 Hardy Road

SUBDIVISION: Woodcamp Farms LOT: 24 TAX ID: 04-354591

CONTRACTOR: Utilities Unlimited Inc. EMAIL: andrew@utilitiesunlimitedinc.com

CONTRACTOR ADDRESS: 1771 Underwood Road, Sykesville, MD 21784 PHONE: 301-672-2788

PROPERTY OWNER: Andrew and Kristen Farina EMAIL: \_\_\_\_\_

OWNER ADDRESS: 17400 Nursery Court, Mount Airy, MD 21771 PHONE: 410-442-1755

SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: \_\_\_\_\_

PUMP MODEL: \_\_\_\_\_ PUMP SIZE \_\_\_\_\_ PUMP TANK CAPACITY: \_\_\_\_\_

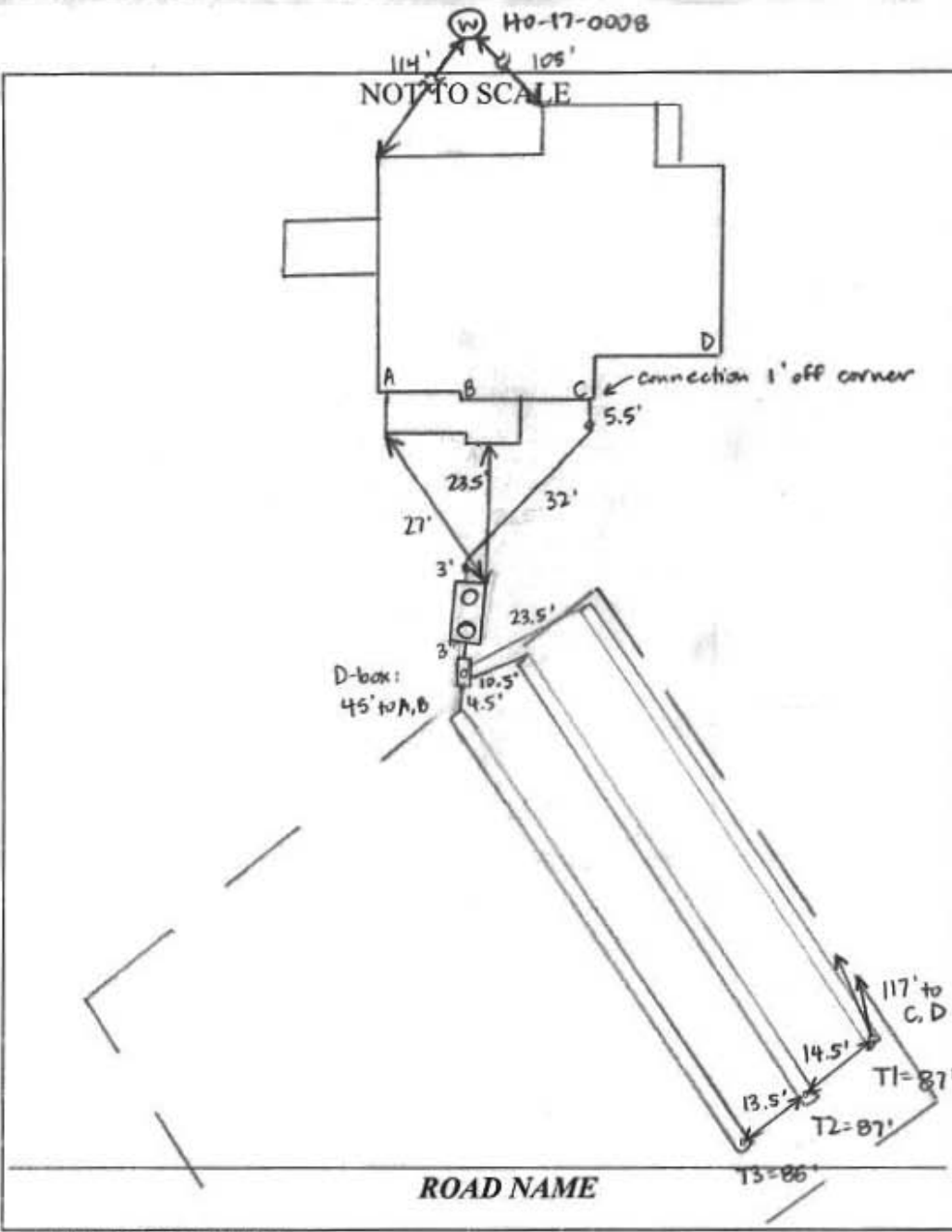
DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>260</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>7</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Use 3 87' trenches	

ISSUED BY: Hank Oswald ISSUE DATE: 1/24/2018 EXPIRATION DATE: 12/28/2018

- 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 DOWNGRAIDENT 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 \_\_\_\_\_
- 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.**



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4-4.5'	8'
NUMBER OF TRENCHES	3	
TOTAL LENGTH	260'	
ABSORPTION AREA	480' + SIDEWALL	
DISTRIBUTION BOX LEVEL	YES	
DISTRIBUTION BOX BAFFLE	YES	
DISTRIBUTION BOX PORT	YES	

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	2.5-3'
BAFFLES	
BAFFLE FILTER	NO
MANHOLE LOC	FRONT - REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	YES
DATE ON LID	2-27-18

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	

**PRE-CONSTRUCTION:**

4/4/18 Met owner/contractor on site for layout. Lower SDA corner stakes present, upper SDA corner stakes replaced after being knocked over. Moved tank slightly farther from house per owner's request to eliminate bends in sewer line from house. Owner previously shot contour + staked out trenches per plan. (SC)

**INSTALLATION:**

4/9/18 Tank + D-box set. Contractors adding stone to T3 - 3' wide 4' inlet, 8' bottom. Using laser to check depths. Need house connection. (SC) 4/10/18 Trenches complete, T1 left open for inspection, T2 + T3 covered. T1 is 3' wide 4' to stone. D-box outlet pipes sealed w/ hydraulic cement. Levelled speed levelers in D-box. Need house connection + baffles in tank. (SC) 4/16/18 Baffles installed in tank. Sewer line run to tank from house, covered. Got measurements of pipe between clo's. Need house connection. (SC) 4/25/18 House connection made, pit at house is flooded but contractor sent pictures. (SC)

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 4/25/18

(COMAR 09-13-06.06 AND .12)  
 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.  
 License expires March 29, 2018  
 Dennis E. Meckley Property Line Surveyor No. 10844  
 Date: 1/2/18



DRAWN BY:	JLW
DESIGN BY:	DEM
REVIEW BY:	DEM
DATE:	12-5-17
SCALE:	1" = 100'
JOB NO.:	2017144
SHEET:	1 OF 1

1751 HARDY ROAD  
 TAX ACCOUNT NO.: 5438581  
 TAX MAP: 6 - BLOCK: 6 - PARCEL: 485  
 AN ELECTION DISTRICT - HOWARD COUNTY, MARYLAND  
 PLAT NUMBER WMA 22075

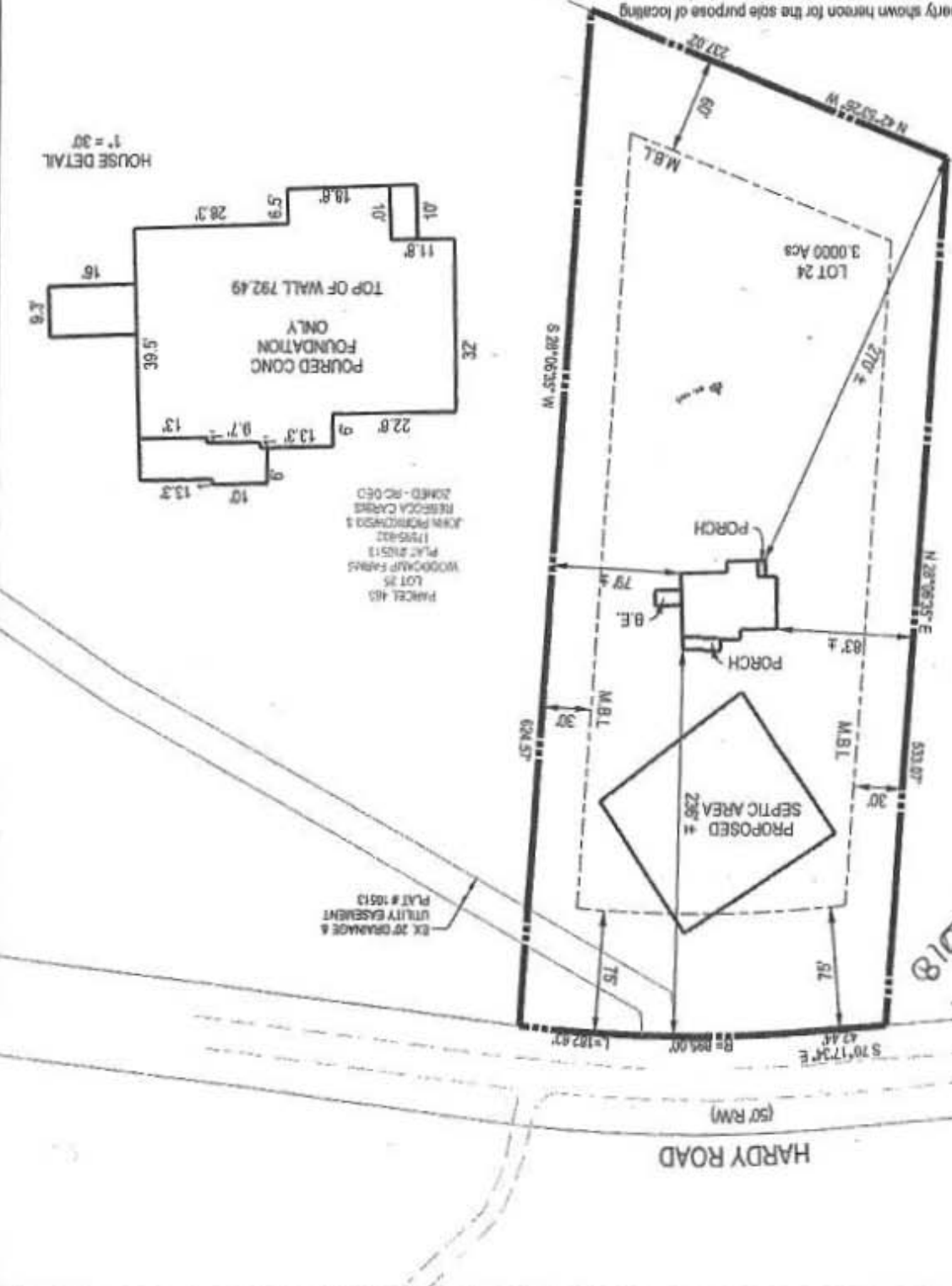
**LOT 24 WOODCAMP FARMS**  
 FOUNDATION CERTIFICATION

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 life insurance company or its agent in connection with contemplated transfer, branching 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.



PARCEL 48  
 1751 RD  
 CONRAD B. HANTZ  
 BOWNE S. HANTZ  
 ZONED - RC-D20

*Wood Camp OK  
 1/24/2018*



HOUSE DETAIL  
 1" = 30'

HARDY ROAD  
 (50' RM)





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Twitter: [HowardCoHealthDep](https://twitter.com/HowardCoHealthDep)

Maura J. Rossman, M.D., Health Officer

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September 12, 2017

CLSI  
439 East Main Street  
Westminster, MD 21157  
Attn: Linda Alexander

*Sent via email to: [lalexander@clsimail.com](mailto:lalexander@clsimail.com)*

**RE: OSDS Plan  
17751 Hardy Road**

Hi Linda:

The OSDS Plan for 17751 Hardy Road has been reviewed with the following comments:

- 1.) Show well box on plan
- 2.) Show 10 foot separation between each trench (spacing is measured edge to edge).

Should you have any questions, please don't hesitate to ask.

Respectfully,

*Hank Oswald*

Hank Oswald, L.E.H.S  
Bureau of Environmental Health  
Well & Septic Program

## Oswald, Hank

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**From:** Oswald, Hank  
**Sent:** Tuesday, September 12, 2017 1:37 PM  
**To:** lalexander@clsimail.com  
**Subject:** OSDS\_17751 Hardy Road  
**Attachments:** OSDS Memo\_17751 Hardy Road\_2017.pdf

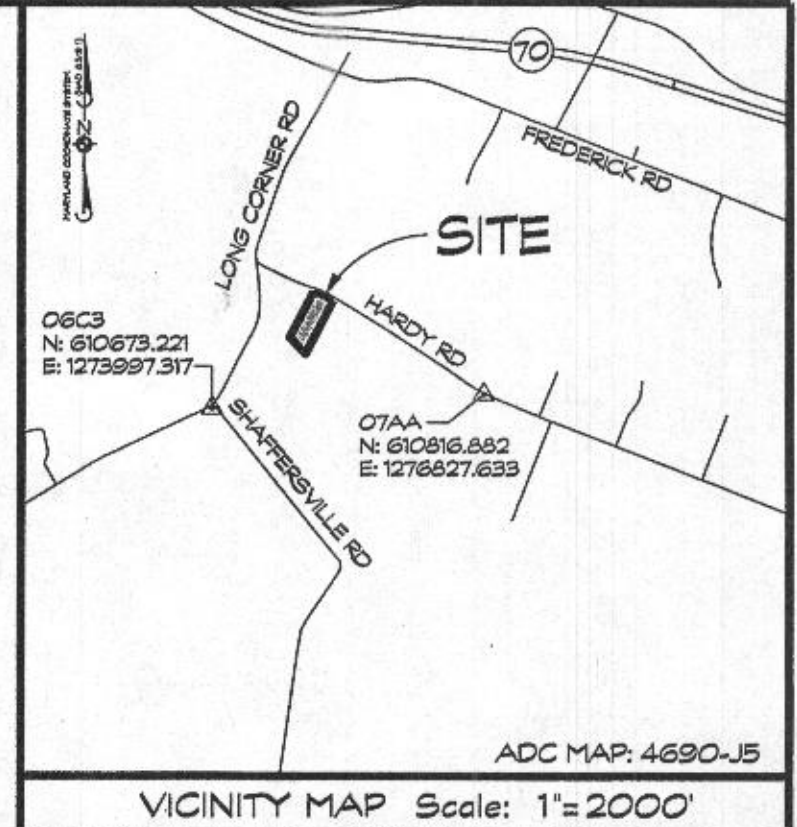
Hi Linda:

Please see attached memo regarding the OSDS plan for 17751 Hardy Road. Should you have any questions, please don't hesitate to ask.

Respectful,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
410.313.2648 (Fax)



**SEPTIC SYSTEM TRENCH DESIGN:**

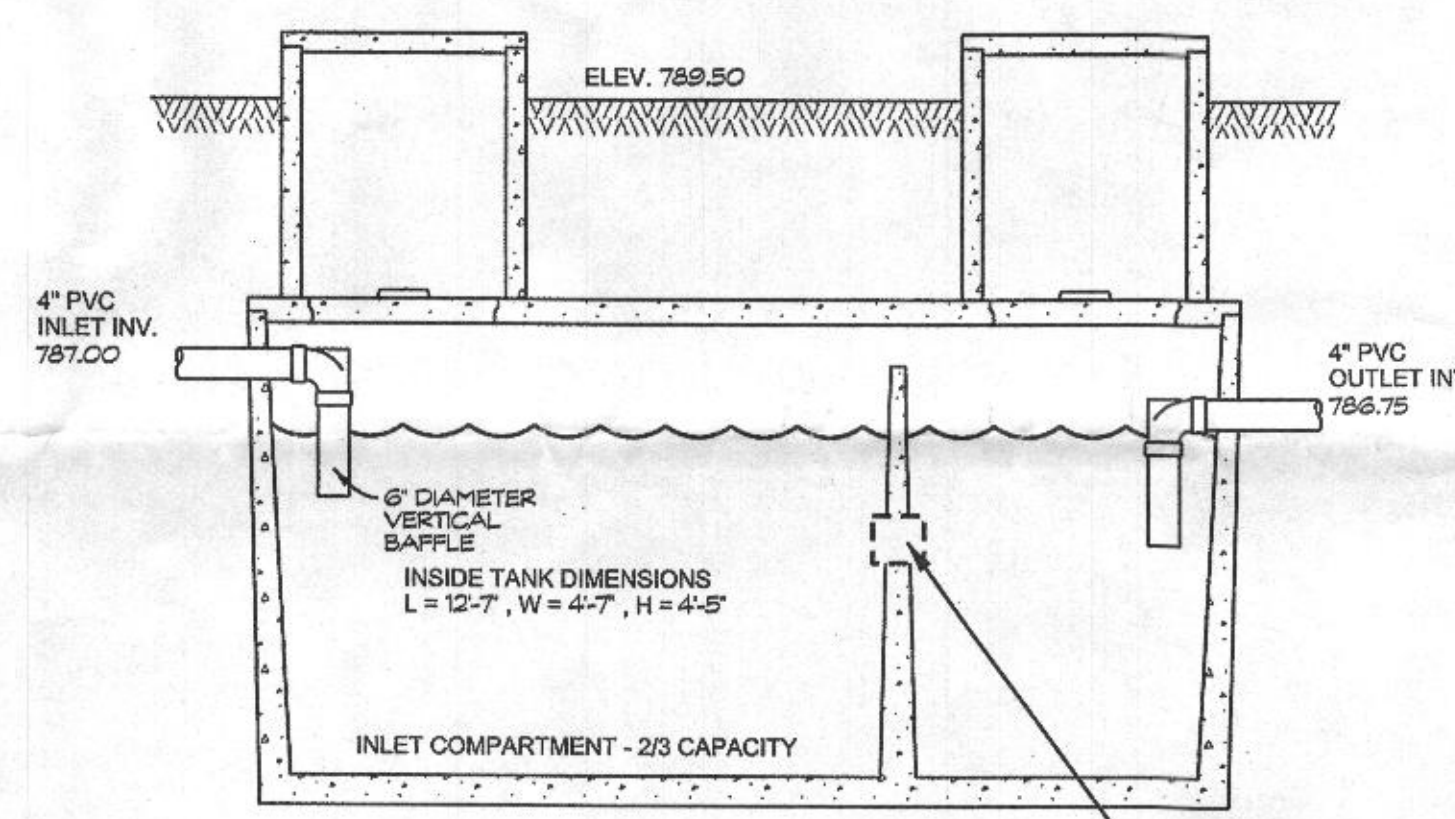
PROPOSED NUMBER OF BEDROOMS =	5
AVERAGE PERCOLATION TEST TIME =	0.8
APPLICATION RATE =	750 GAL/DAY
DESIGN FLOW: 150 GALS x 5 BEDROOM =	750 GAL/DAY
750 GAL/DAY x 0.8 GAL./DAY/SQ. FT. =	593.75 SQ. FT.
938 SQ. FT. / 3 FT. = 312.6 USE 313 LF. OF TRENCH	
313 LF. x 0.85 =	266 LF.
USE 3 - 87 LF. OF TRENCH FOR INITIAL SYSTEM	
USE 3 - 87 LF. OF TRENCH FOR EACH REPLACEMENT SYSTEM	

**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. THE WELL (TAG # HO-17-0008) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
4. IF A BUILDING PERMIT IS SUBMITTED ANY TIME 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 3.80 (B).
5. TANK MEASUREMENTS AND ELEVATIONS ARE BASED ON SEPTIC TANKS AS MANUFACTURED BY HAYES BROS., ELKRODSE, MD 410-795-1434.
6. 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 STORM-WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY ROOFTOP & NON-ROOFTOP DISCONNECT.
2. THERE ARE NO STREAMS, PONDS, FLOODPLAINS, OR WETLANDS ON THIS LOT.
3. THERE ARE NO 20% OR GREATER SLOPES ON THIS LOT.



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

NOTE: SLOT IS 2" HIGH BY 4" LONG IN CENTER OF LIQUID DEPTH

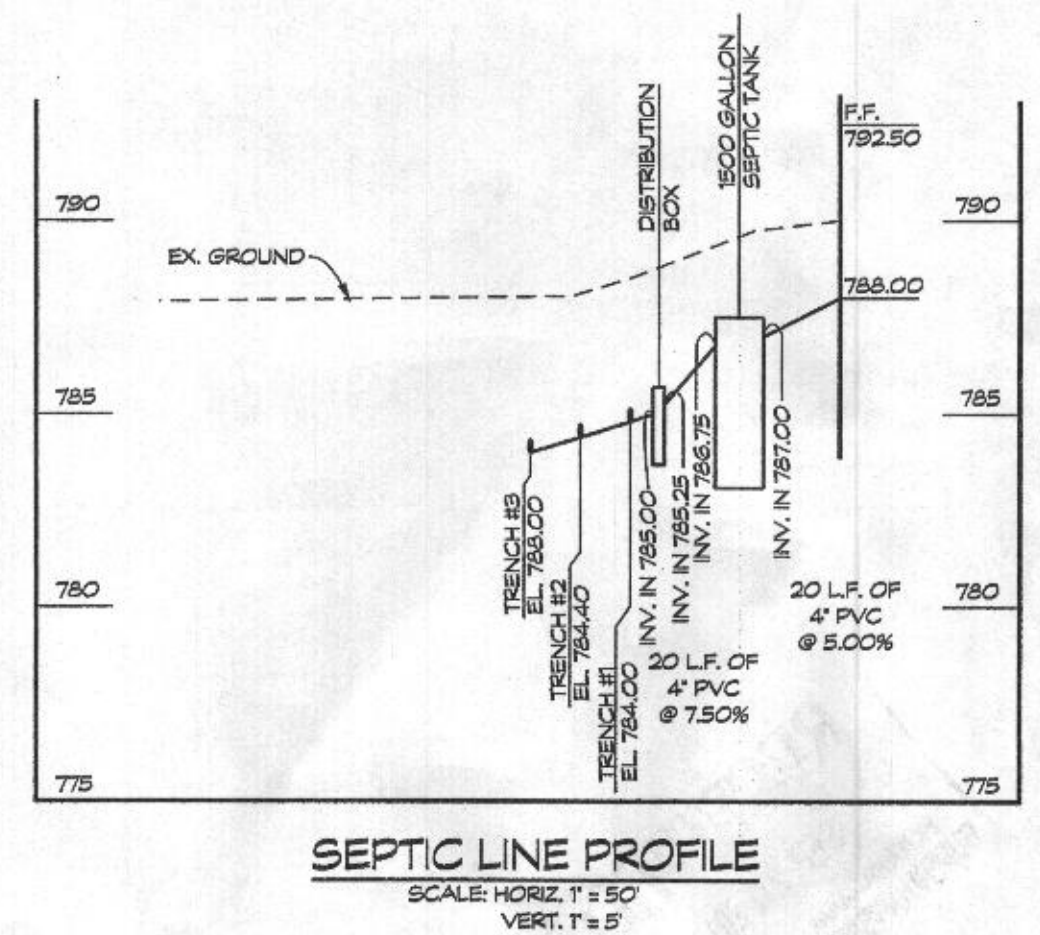
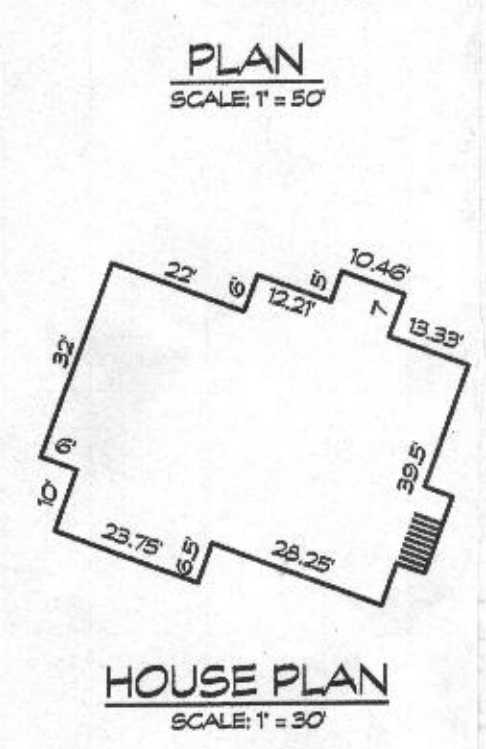
Approved Septic System Plan  
Howard County Health Department  
Henry Oswald 9/21/17  
Signature Date



LOD DENOTES LIMIT OF DISTURBANCE  
TOTAL AREA = 26,800 S.F.

**LEGEND**

	SOIL LINE / SOIL DESIGNATION
	EXISTING TREE LINE
	EXISTING WELL
	EXISTING SEPTIC AREA
	LIMIT OF DISTURBANCE
	APPROVED PERC TEST
	PROP. SEPTIC AREA
	PROP. SEPTIC TRENCH



**SOILS CHART**

SOIL SYMBOL	SOIL SERIES	SOIL HSG	ERODIBLE (K FACTOR x 35)	HYDRIC
GgA	GLENELG LOAM	B	-	-
GgB	GLENELG LOAM	B	-	-
GgC	GLENELG LOAM	B	-	-
GhB	GLENVILLE-BAILE	C/D	+	-

**TRENCH CHART**

TRENCH	EX. GROUND	INV. ELEV.	BOTTOM OF TRENCH
1	788.80	784.80	780.80
2	788.40	784.40	780.40
3	788.00	784.00	780.00

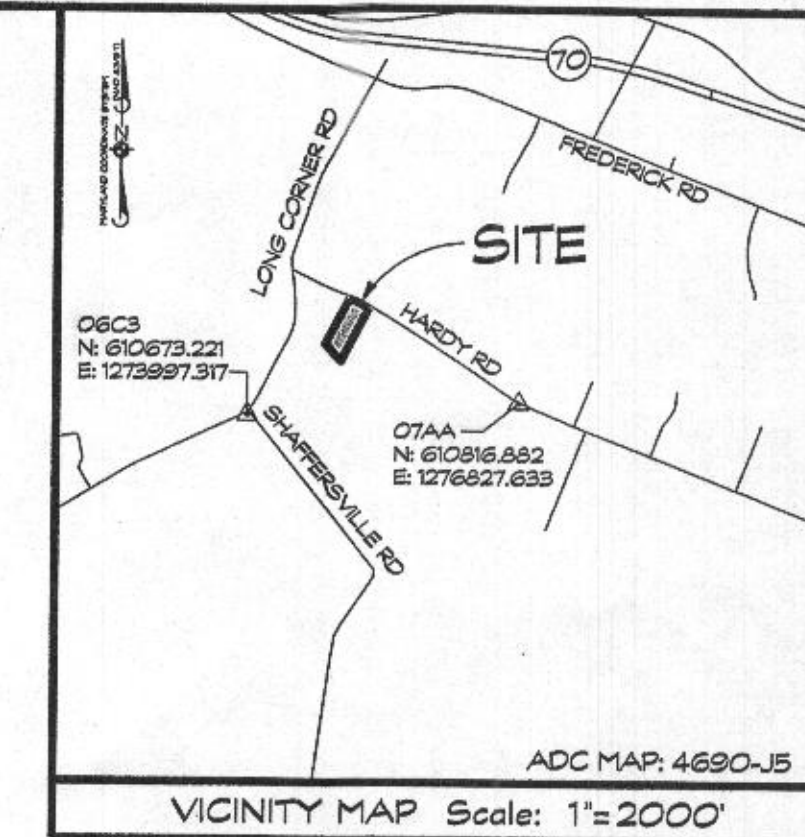
**ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN**  
**LOT 24 WOODCAMP FARMS**  
17751 HARDY ROAD

TAX ACCOUNT NO.: 04354591  
TAX MAP: 6 BLOCK: 6 PARCEL: 485  
4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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

OWNER / DEVELOPER  
ANDREW & KRISTEN FARINA  
17400 NURSERY CT.  
MT. AIRY, MD 21771  
(410) 442-1755

Date	Revisions	Drawn By:	VP
9/14/17	REVISED PER HOCD LETTER DATED 8/12/17	Designed By:	LDA
		Reviewed By:	LDA
		Date:	JUNE, 2017
		Scale:	1" = 50'
		Job No.:	2017144
		Sheet:	1 of 1



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PROPOSED NUMBER OF BEDROOMS = 5  
 AVERAGE PERCOLATION TEST T<sub>10</sub>-15 =  
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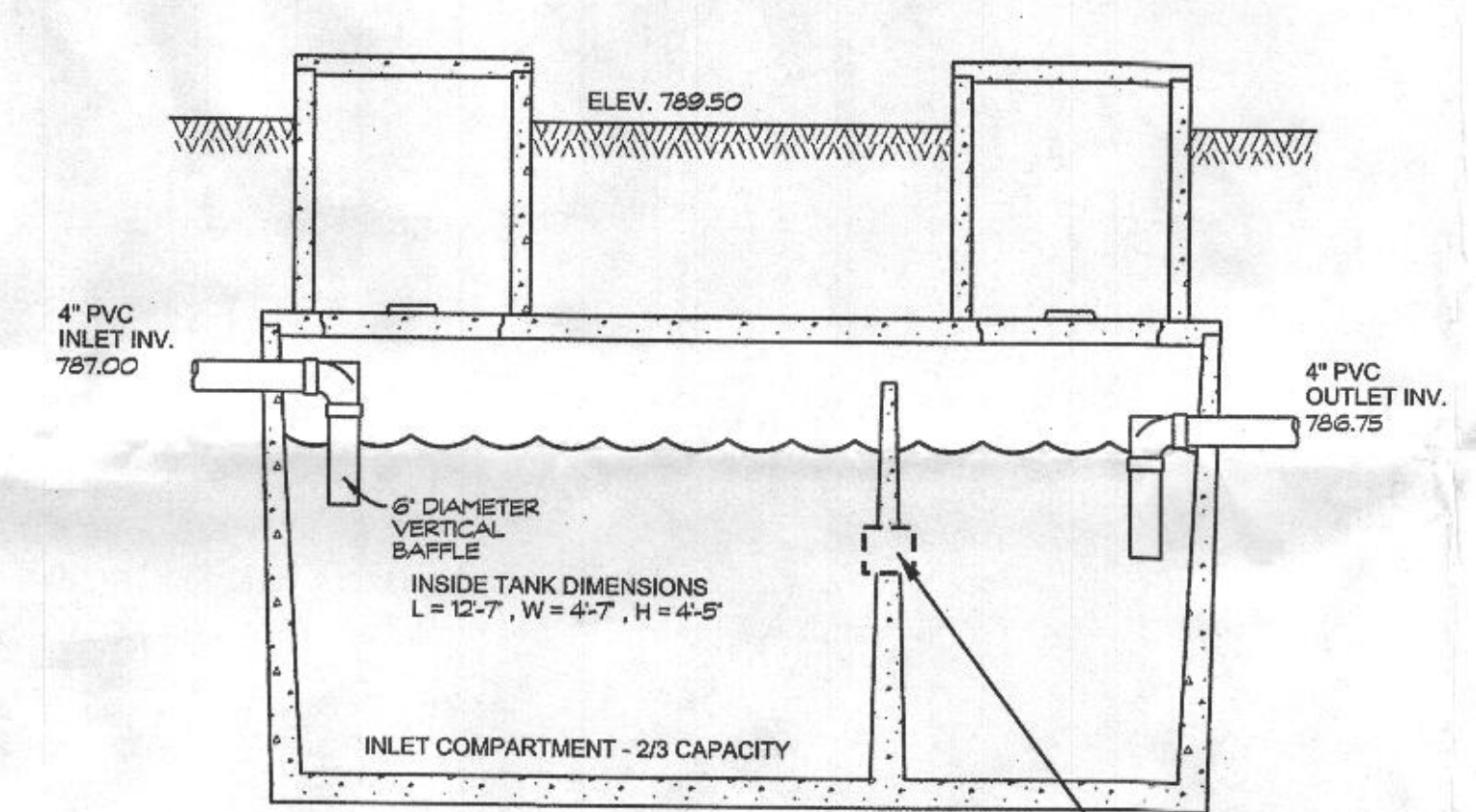
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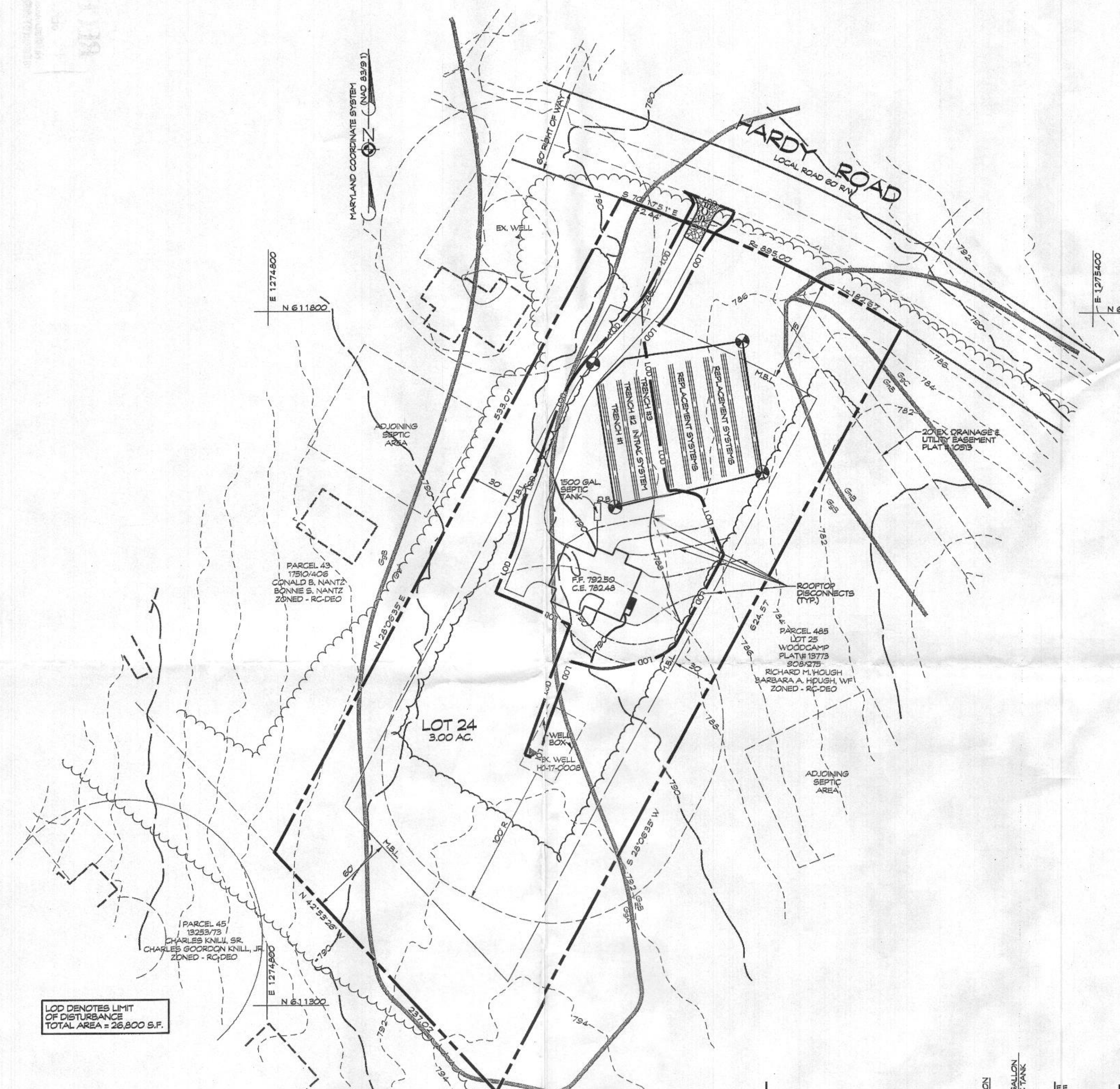
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 Signature Date



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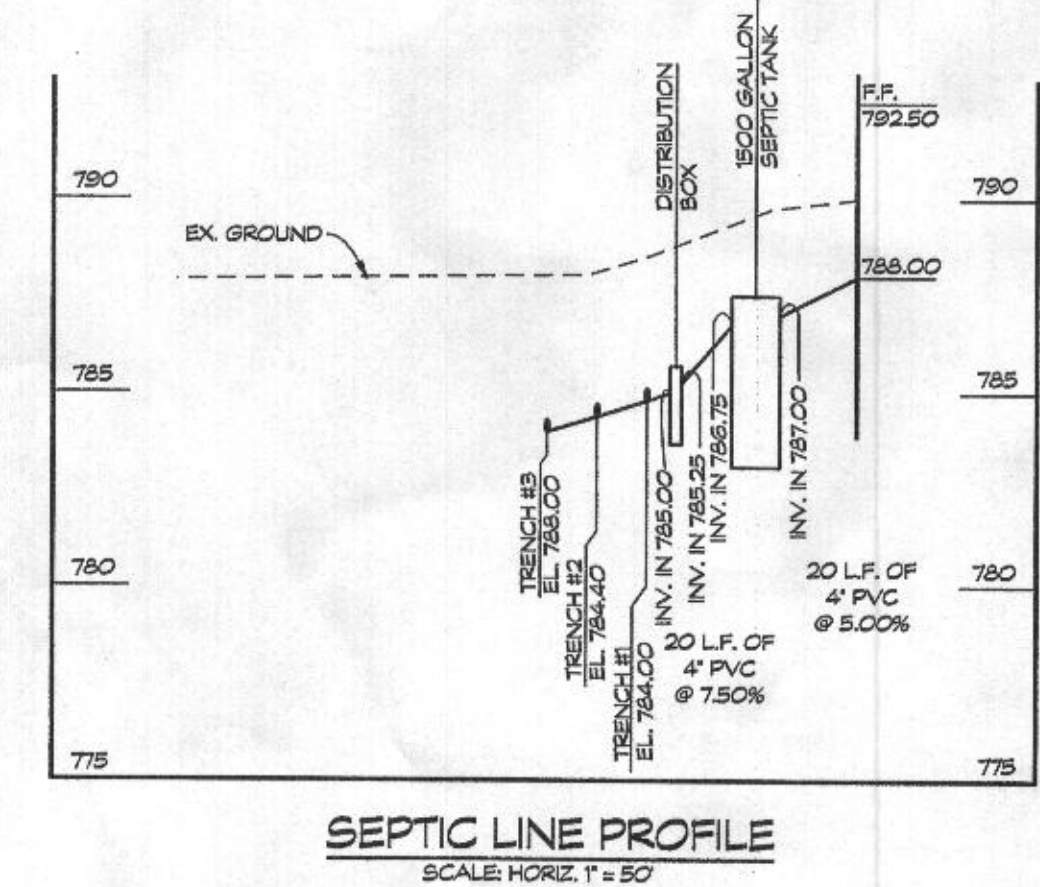
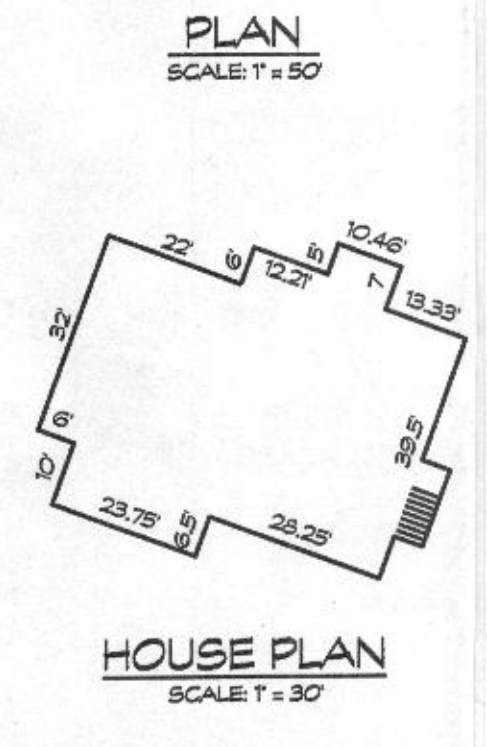
**TOP SEAM  
1500 GAL SEPTIC TANK**  
(NOT TO SCALE)

NOTE: SLOT IS 2" HIGH BY 4" LONG IN CENTER OF LIQUID DEPTH



LOD DENOTES LIMIT OF DISTURBANCE  
 TOTAL AREA = 26,800 S.F.

- LEGEND**
- SOIL LINE / SOIL DESIGNATION
  - EXISTING TREE LINE
  - EXISTING WELL
  - EXISTING SEPTIC AREA
  - LIMIT OF DISTURBANCE
  - APPROVED PERC TEST
  - PROP. SEPTIC AREA
  - PROP. SEPTIC TRENCH



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

**SOILS CHART**

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Signature: *Linda D. Alexander* 9/13/17  
 Date: 9/13/17

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