



**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](http://www.hchealth.org)

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

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

RECEIPT DATE: 10-29-20 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 572837

APPROVAL DATE: 12/9/20 **PERMIT: CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 1611 OLD ANNAPOLIS ROAD, WOODBINE MD 21797

SUBDIVISION: VU PROPERTY

LOT: 1

TAX ID:

04-597876

CONTRACTOR: \_\_\_\_\_

EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: \_\_\_\_\_

PHONE: \_\_\_\_\_

PROPERTY OWNER: Bach Van and Heidi Dang Vu

EMAIL: \_\_\_\_\_

OWNER ADDRESS: 20316 Seabrook Dr., Montgomery Village, MD 20886

PHONE: (301)651-3036

SEPTIC TANK SIZE (GALLONS): 1500

TANK MANUFACTURER: Babylon Vault Co.

PUMP MODEL: n.a.

PUMP SIZE n.a.

PUMP TANK CAPACITY: n.a.

DISTRIBUTION SYSTEM:  GRAVITY

PRESSURE DOSED

BEDROOMS: 4

APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>105</u>	INLET DEPTH: <u>3.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4.0</u>
LOCATION:	<b>PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.</b>	
NOTES:	INSTALL CLEANOUT IN SHC WITHIN 70 FEET OF SEPTIC TANK INLET.	

ISSUED BY: R BRICKER

ISSUE DATE: 10-30-20

EXPIRATION DATE: 10-29-21

**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 attached

ROAD NAME

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	3'	8'

NUMBER OF TRENCHES 2

TOTAL LENGTH 106'

ABSORPTION AREA 318' + SIDE WALL

DISTRIBUTION BOX LEVEL SPEED

DISTRIBUTION BOX BAFFLE YES

DISTRIBUTION BOX PORT YES

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL \_\_\_\_\_

MANUFACTURER BABYLON

CAPACITY 1500 GAL

SEAM LOC TOP

TANK LID DEPTH 2' - 1 1/4"

BAFFLES YES

BAFFLE FILTER NO

MANHOLE LOC FRONT/BACK

6" PORT LOC \_\_\_\_\_

WATERTIGHT TEST -

SLOTTED YES

DATE ON LID 9/18/2020

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:**

12/1/2020 Laid out 2x53' trenches according to plan. Should be sufficient fall for SL coming out beneath footer. (S)

INSTALLATION: 12/09/2020 SHC, SL, TANK SET. D BOX INSTALLED, CONNECTED, LEVELED W/ SPEED LEVELS. 2x53' TR COMPLETE. OK TO BACKFILL (P)

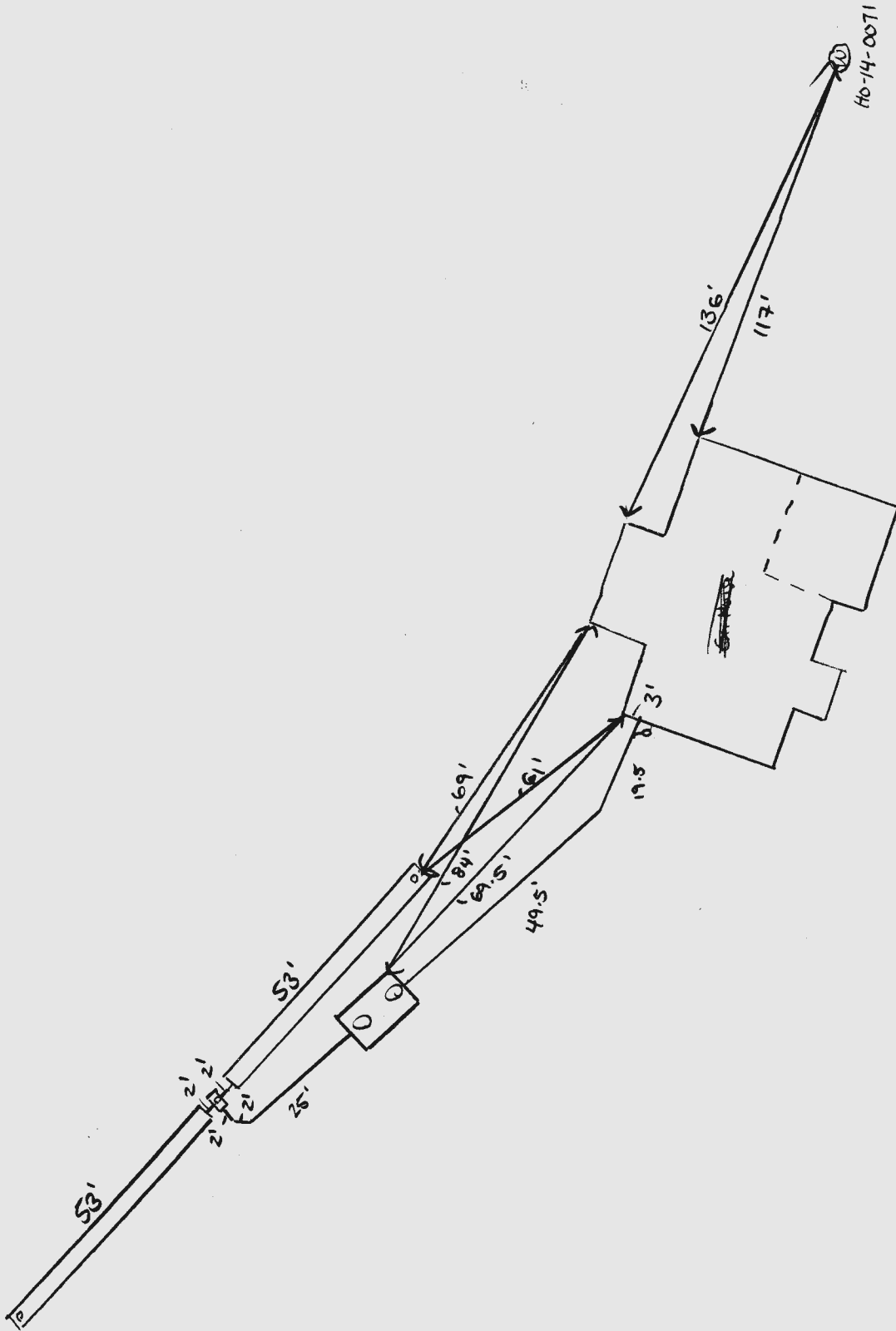
FINAL INSPECTOR

DATE OF APPROVAL

12/09/2020

1611 Old Annapolis Rd

NOT TO SCALE 1" = 30'

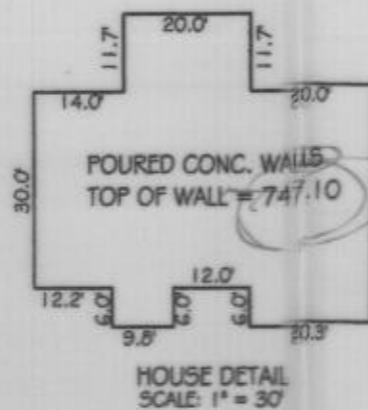


Driveway

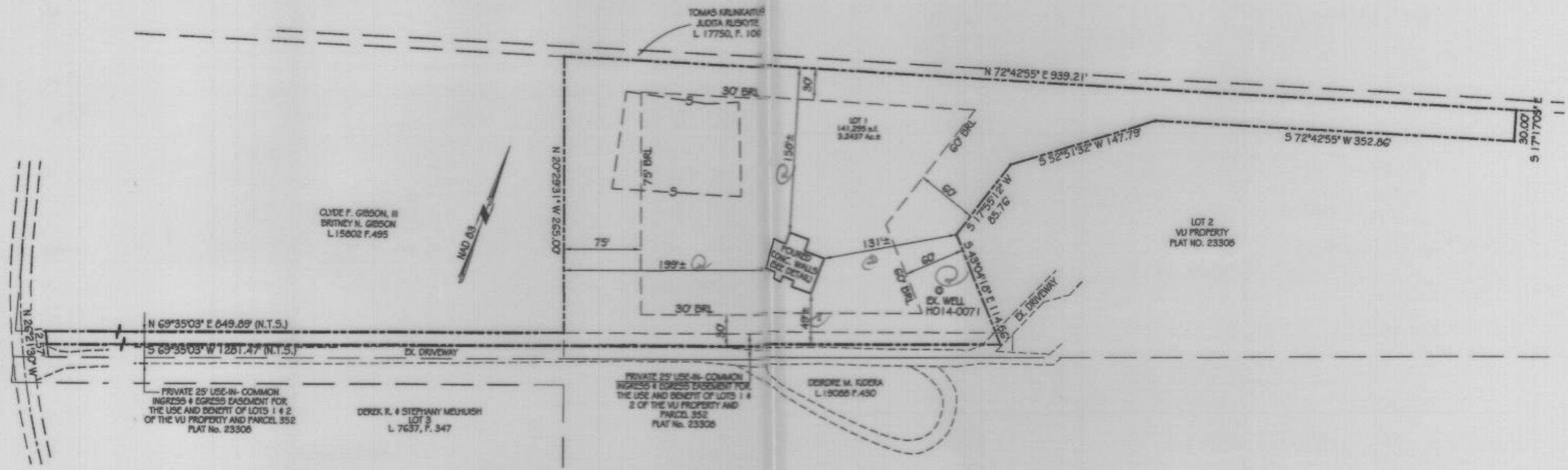
General Notes:

1. Footings and foundation are in place as shown hereon.
2. Building ties are  $\pm 0.5'$  unless otherwise noted.
3. Top of Wall = 747.10

APPROVED  
10/30/2020



OLD ANNAPOLIS ROAD  
PUBLIC LOCAL ROAD  
50' RW



PRIVATE 25' USE-IN-COMMON  
INGRESS & EGRESS EASEMENT FOR  
THE USE AND BENEFIT OF LOTS 1 & 2  
OF THE VU PROPERTY AND PARCEL 352  
PLAT No. 23306

DEREK R. & STEPHANY MELHUSH  
LOT 3  
L 7637, P. 347

PRIVATE 25' USE-IN-COMMON  
INGRESS & EGRESS EASEMENT FOR  
THE USE AND BENEFIT OF LOTS 1 &  
2 OF THE VU PROPERTY AND  
PARCEL 352  
PLAT No. 23306

DEBORAH M. EGGERA  
L 15068 P. 430

WALL CHECK DRAWING  
LOT 1  
VU PROPERTY  
PLAT No. 23306  
1611 OLD ANNAPOLIS ROAD  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 100' JULY, 2020



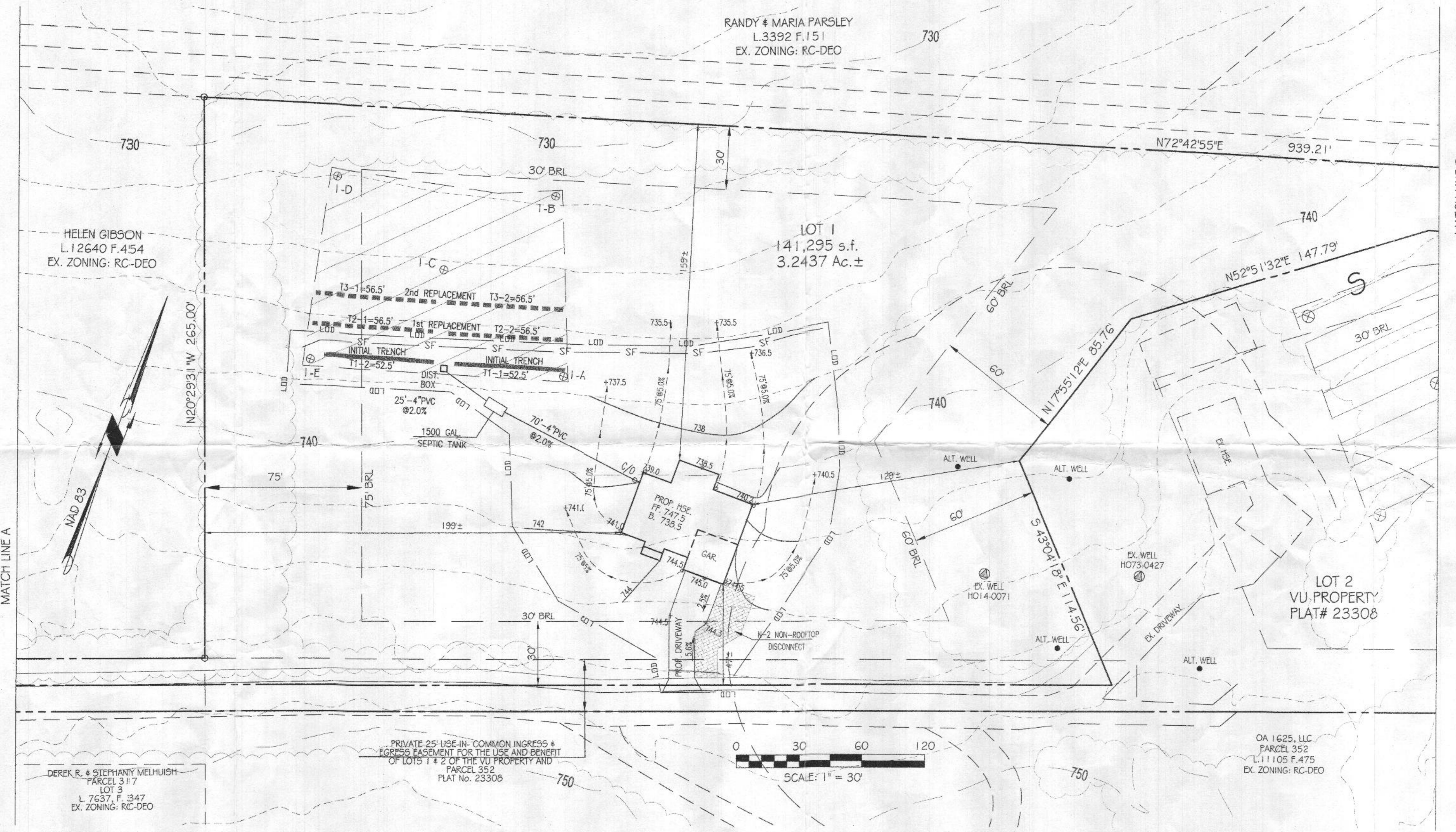
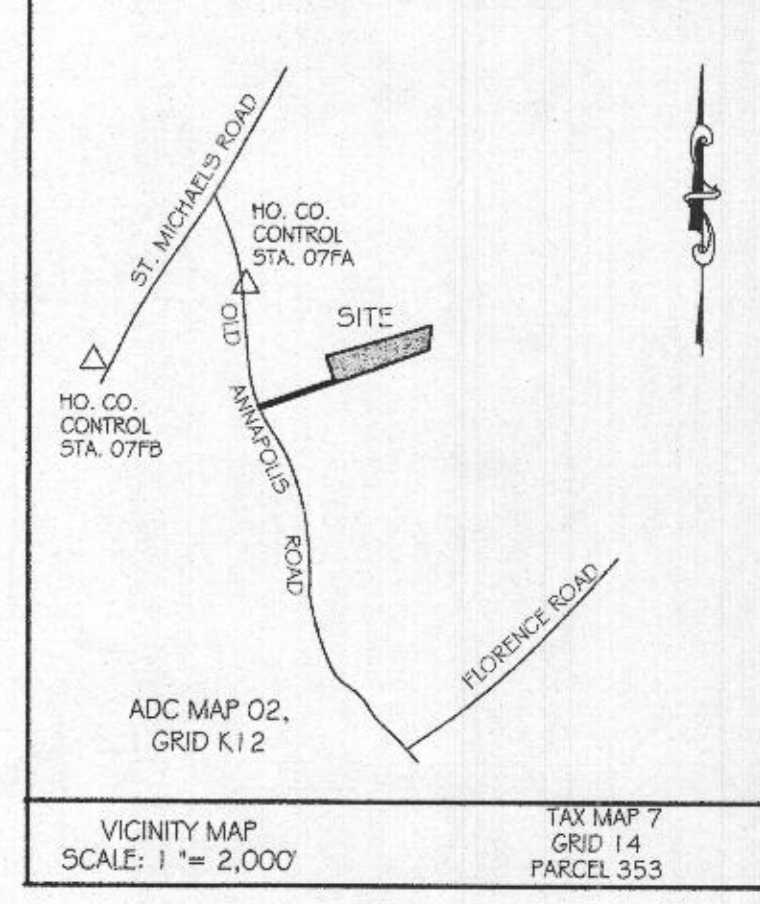
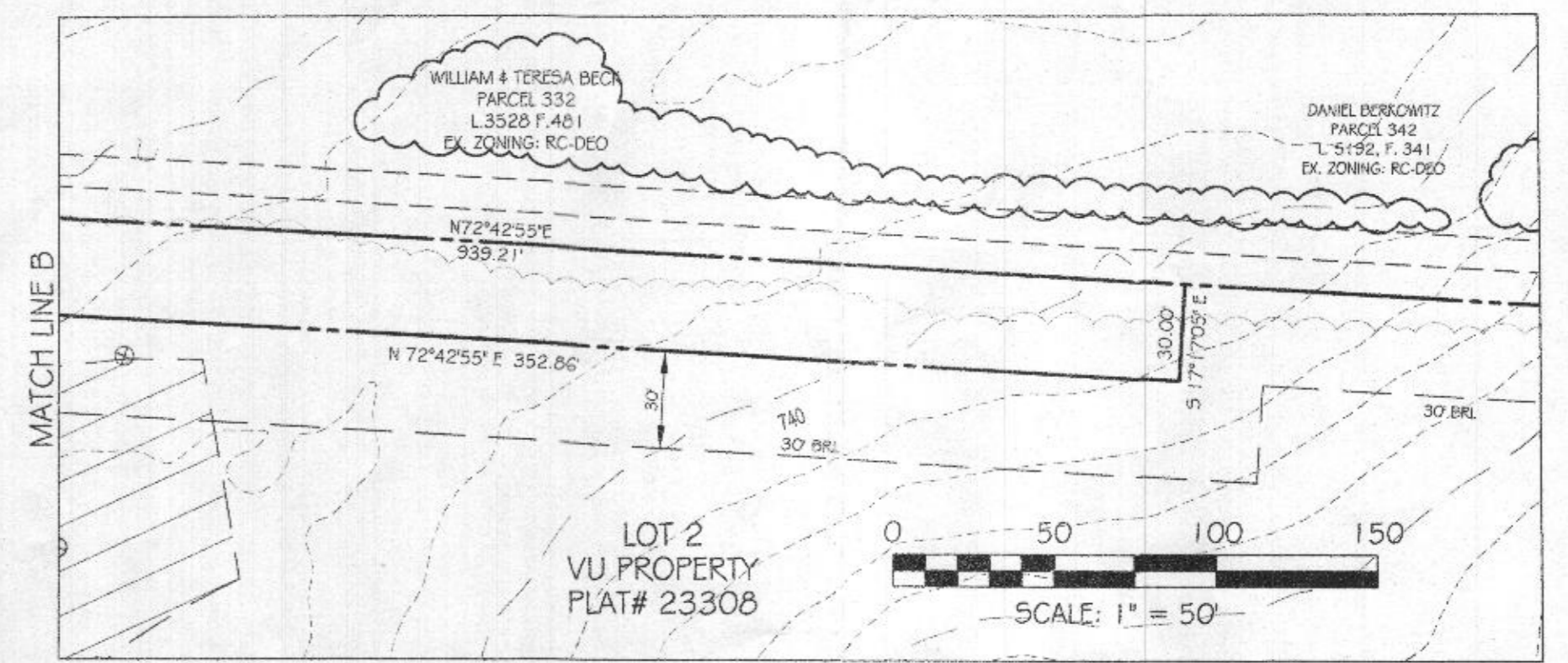
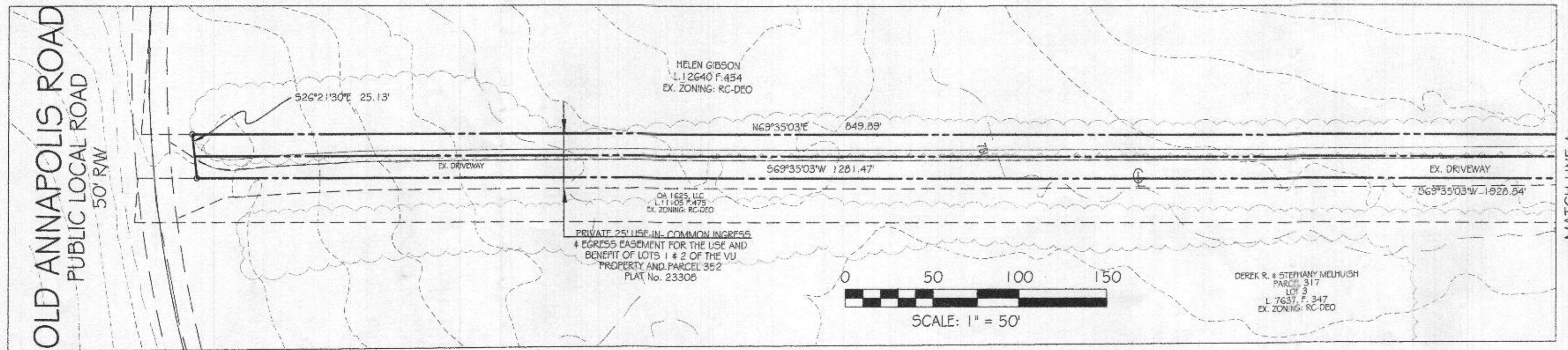
PROFESSIONAL CERTIFICATION:  
I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21512, EXPIRATION DATE AUGUST 4, 2021, IN ACCORDANCE WITH COMAR 09.13.06.12. I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

Jeffery W. Elkins 7/31/2020  
Date

For VanMar Associates, Inc.  
Jeffery W. Elkins, Prof. Land Surveyor



VANMAR ASSOCIATES, INC.  
Engineers Surveyors Planners  
310 South Main Street Mount Airy, Maryland 21771  
(301) 829-2890 (301) 831-5015 (410) 549-2751  
Fax (301) 831-5603 ©Copyright, Latest Date Shown



- GENERAL NOTES:**
- TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
  - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
  - ZONING DISTRICT: RC-DEO
  - LIMIT OF DISTURBANCE (LOD) = SQ.FT.
  - THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.
  - STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY N-2 NON-ROOFTOP DISCONNECTION AND N-1 ROOFTOP DISCONNECTION.

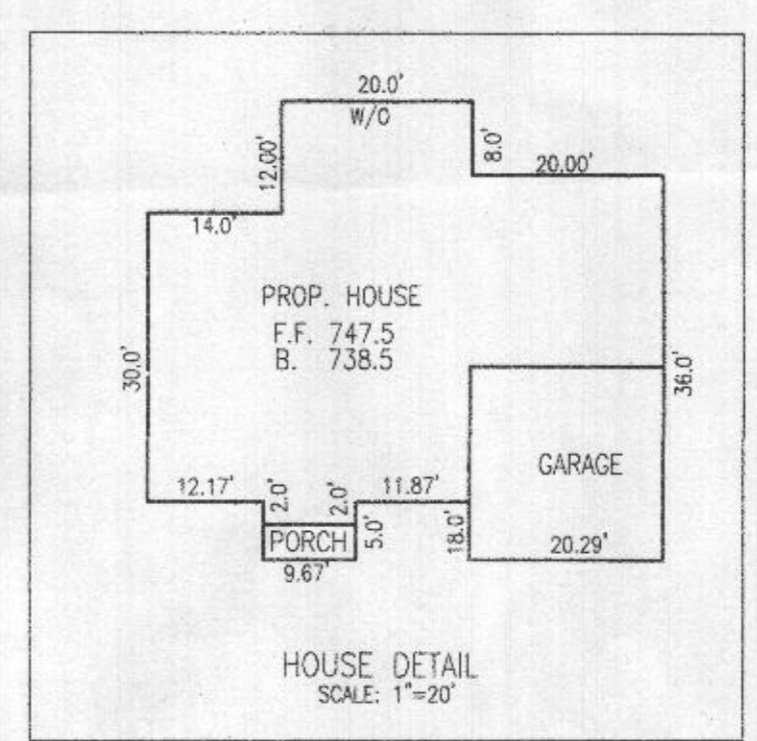
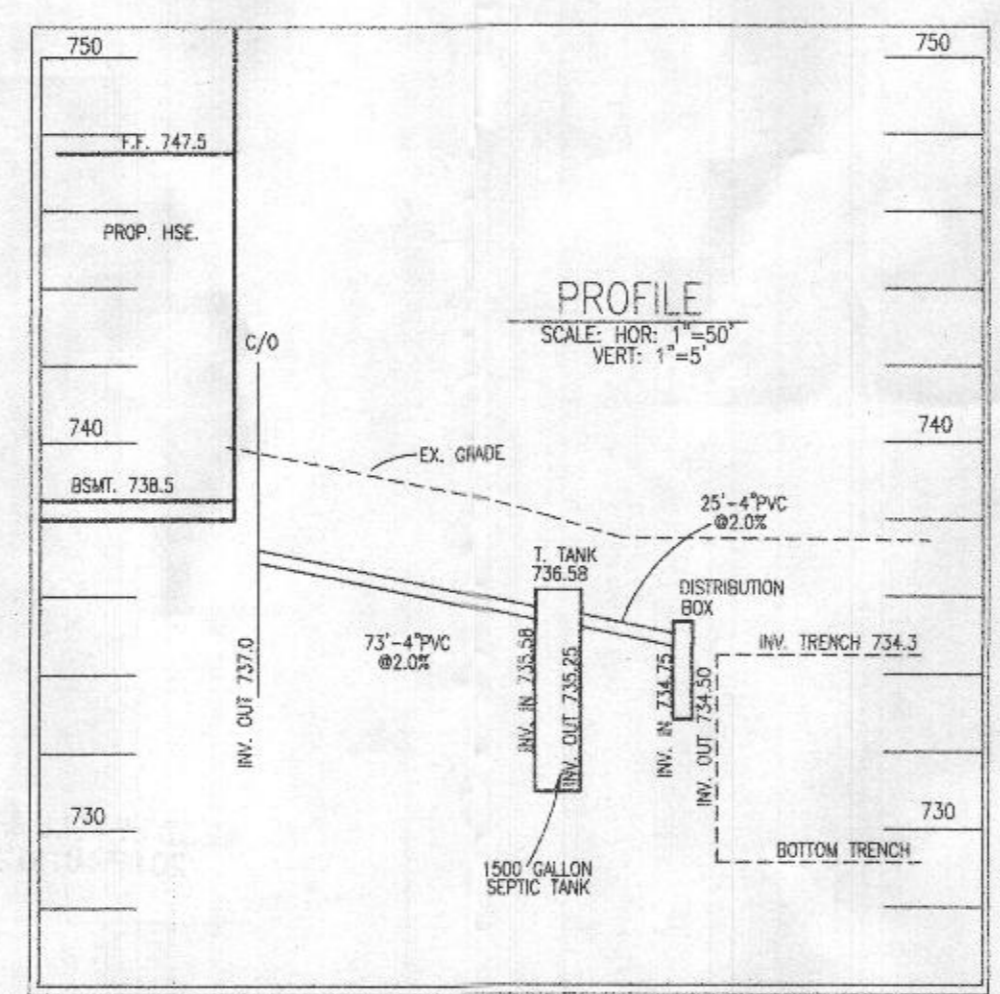
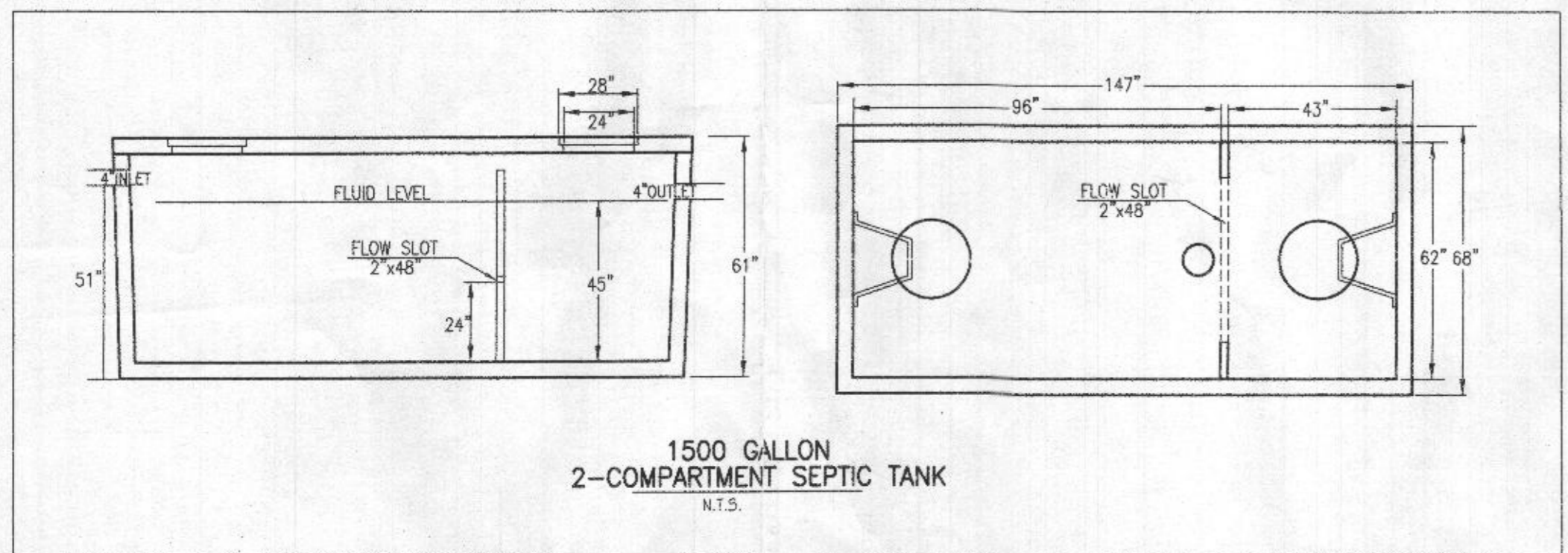
- SEPTIC SYSTEM TRENCH DESIGN**
- INITIAL NUMBER OF BEDROOMS = 4  
 APPLICATION RATE = 0.8 GPD / sq.ft.  
 DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD  
 600 GPD / 0.8 GPD/sq.ft. = 750 sq.ft.  
 750 sq.ft. / 3 ft. WIDE TRENCH = 250 LF TRENCH  
 250 LF TRENCH X 0.42 REDUCTION CREDIT = 105 LF TRENCH  
 TRENCH T-1 EX. GRD=737.3 -INV. TRENCH=734.3 -B. TRENCH=729.3  
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 TRENCH 2-1 EX. GRD=736.3 -INV. TRENCH=733.3 -B. TRENCH=728.8  
 TRENCH 2-2 EX. GRD=736.3 -INV. TRENCH=733.3 -B. TRENCH=728.8

- 2nd REPLACEMENT**
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 DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD  
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- SITE PLAN NOTES:**
- 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.
  - MAXIMUM COVER OVER THE TANK IS 3 FEET. GREATER DEPTH WILL REQUIRE A HEAVY LOAD BEARING TANK.
  - ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
  - THE WELL (TAG #HO-14-0071) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
  - ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADEMENT OF ANY WELLS AND OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

Approved Septic System Plan  
 Howard County Health Department  
 1500-gal Septic Tank to Gravity  
 Drainfield for 4-bedroom SFD  
 R. Builder  
 Signature Date 4/21/2020



**OWNER / DEVELOPER**  
 BACH VAN VU  
 HEIDI DANG VU  
 20316 SEABROOK DR.  
 MONTGOMERY VILLAGE, MD 20886  
 301-651-3036

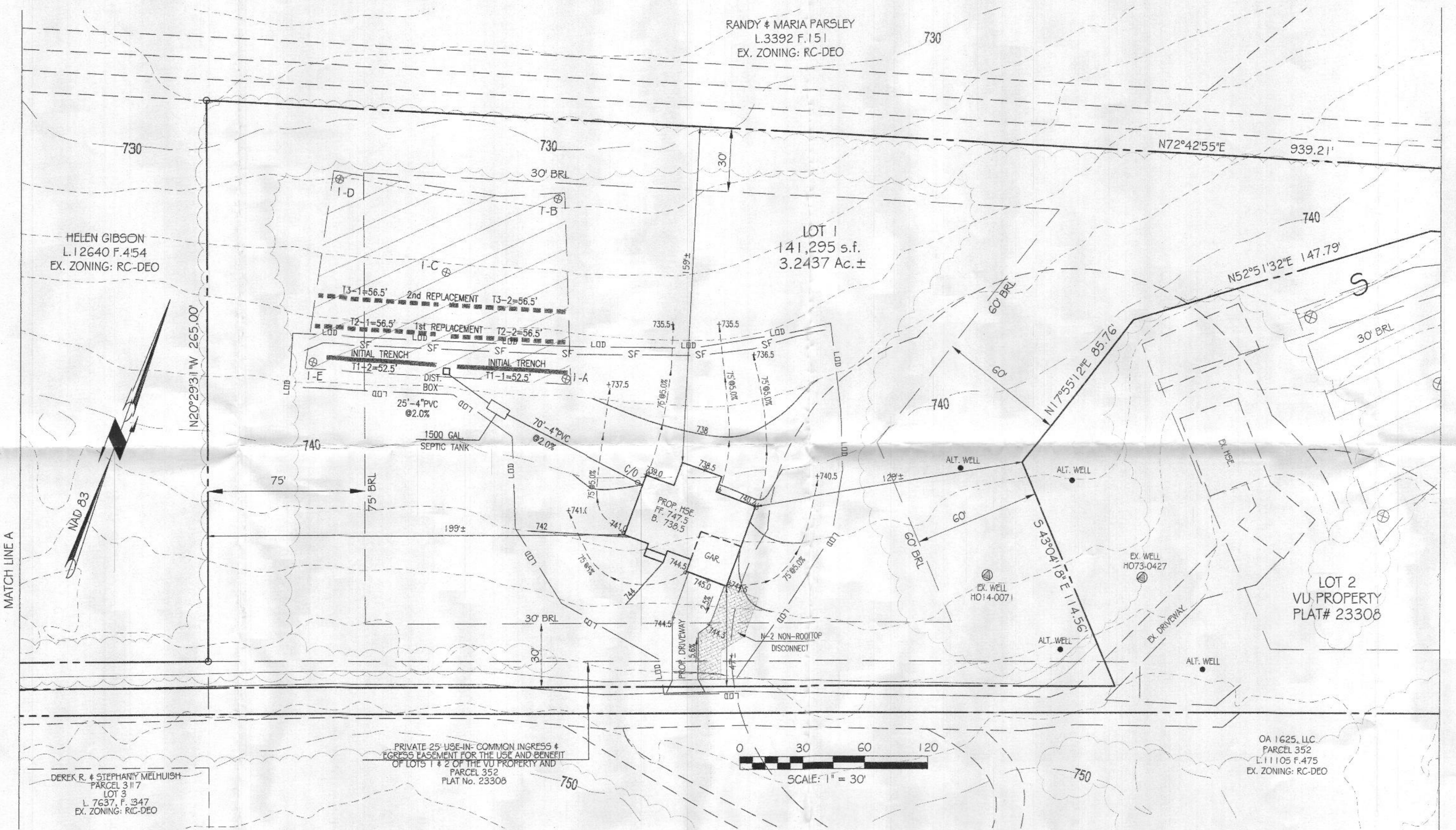
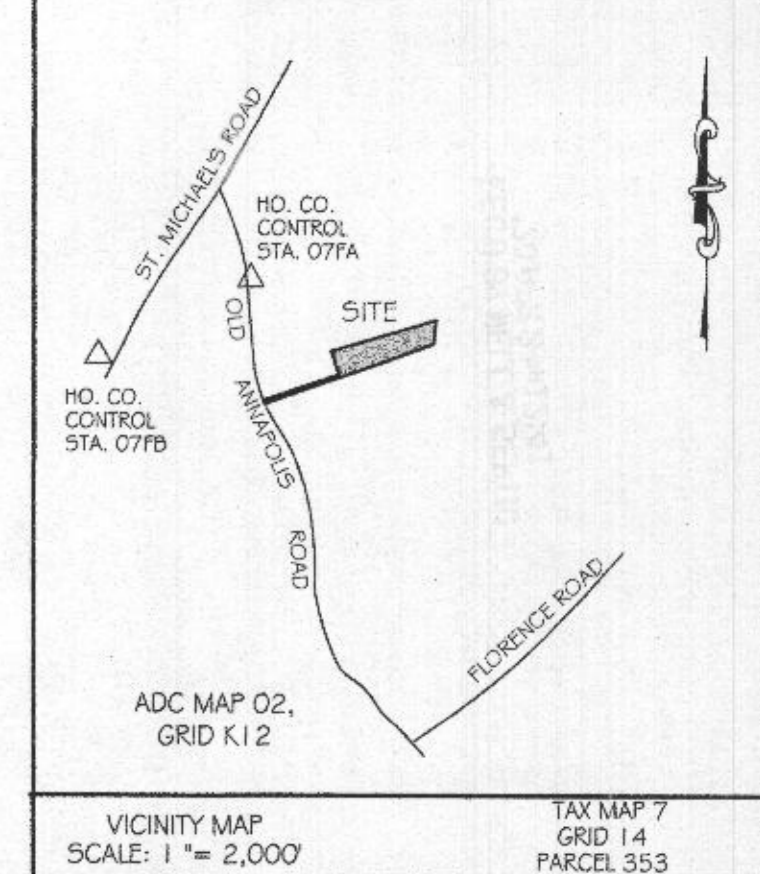
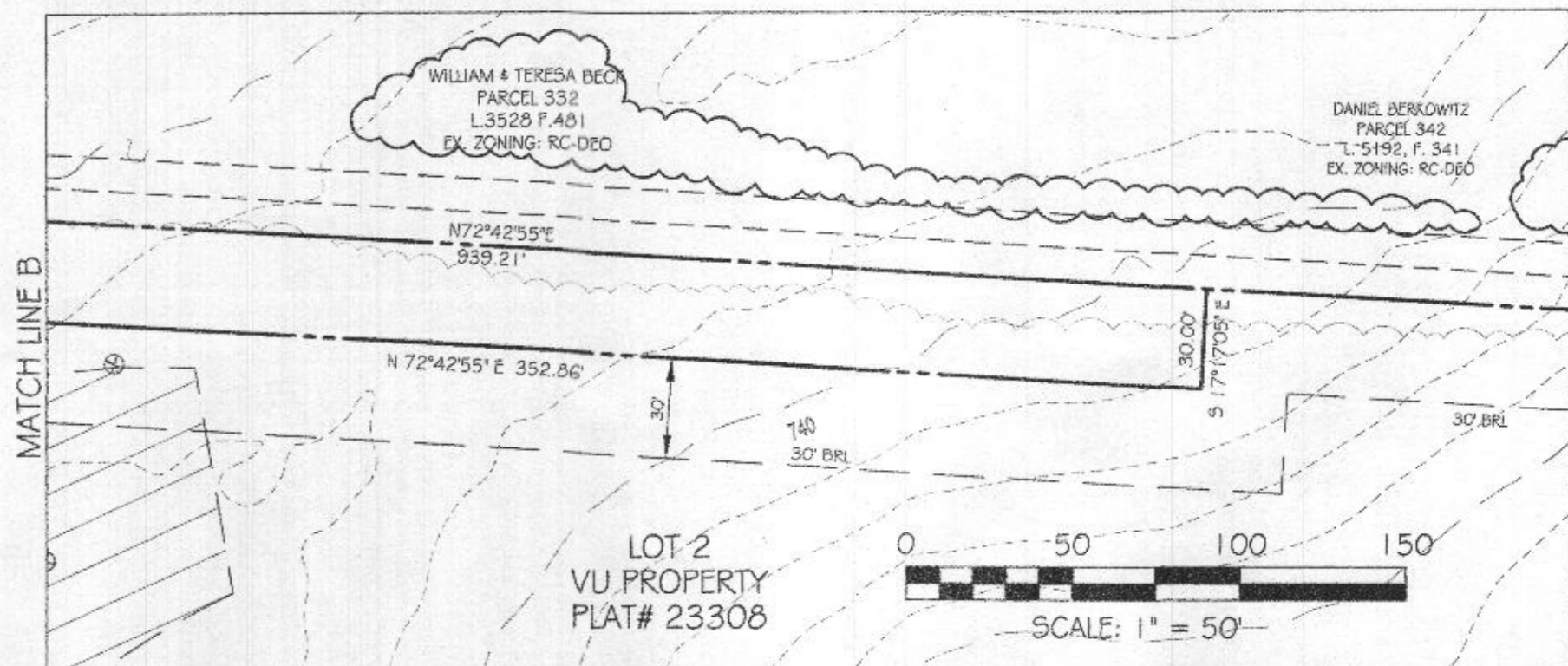
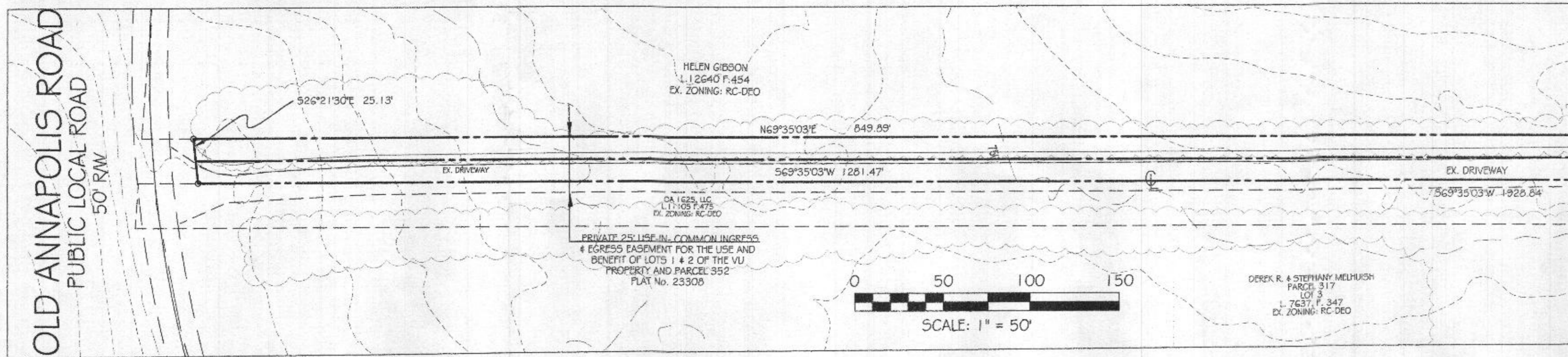
**PROFESSIONAL CERTIFICATION**  
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 18417, Expiration Date: 9-18-21.

DATE	REVISIONS

**ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN**  
 1611 OLD ANNAPOLIS ROAD  
 LOT 1  
**VU PROPERTY**  
 PLAT No. 23308  
 FOURTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN JANUARY, 2020



**VANMAR ASSOCIATES, INC.**  
 Engineers Surveyors Planners  
 310 South Main Street Mount Airy, Maryland 21771  
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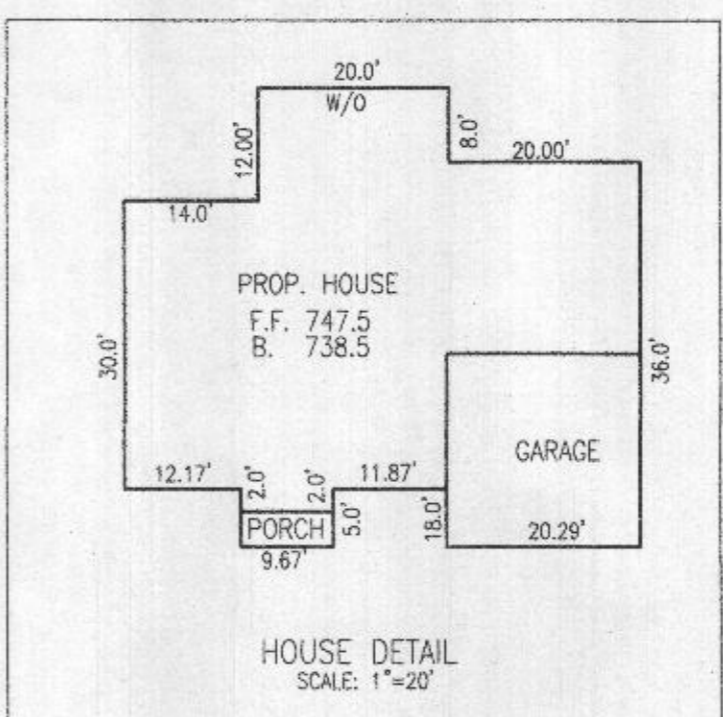
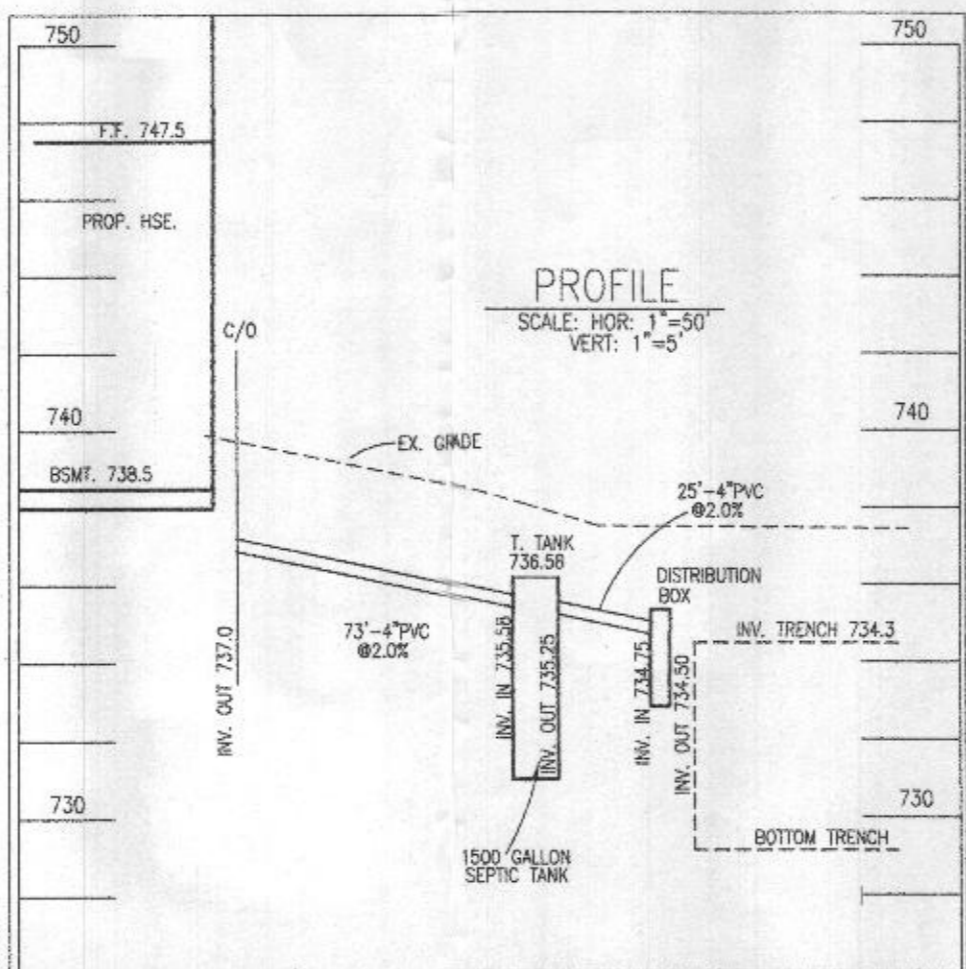
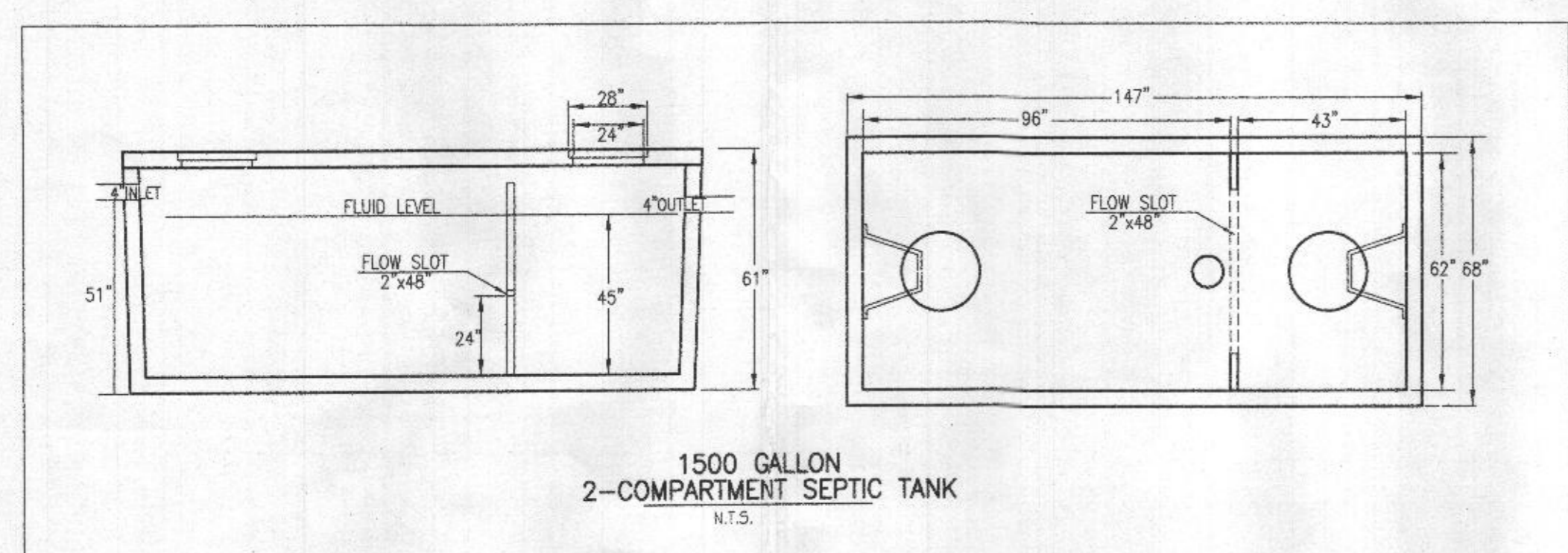
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*R. B. Smith* 4/21/2020  
 Signature Date



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