

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: 6-27-22 **ONSITE SEWAGE DISPOSAL SYSTEM** P 512062

APPROVAL DATE: 6-29-22 (SP) **PERMIT:** Upgrade A _____

PROPERTY ADDRESS: 835 Day Rd. Sykesville, MD 21784

SUBDIVISION: Talley Property LOT: 3 TAX ID: 1403297268

CONTRACTOR: Jeff Allen Backhoe EMAIL: jeffallensbackhoeservice@yahoo.com

CONTRACTOR ADDRESS: 15100 Frederick Rd, Woodbine, MD 21797 PHONE: 410-489-7520

PROPERTY OWNER: Kazam & Farah Ali EMAIL: kazamali70@hotmail.com

OWNER ADDRESS: 835 Day Rd. Sykesville, MD 21784 PHONE: _____

SEPTIC TANK SIZE (GALLONS): 2000 PUMP CHAMBER CAPACITY (GALLONS): n/a PUMP SIZE: n/a

NUMBER OF BEDROOMS: 5 HOUSE SQ. FT. n/a APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>110</u>	INLET DEPTH: <u>2</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>13</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>2</u>
LOCATION:	TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:	Existing OSDS must be pumped out and abandoned. The existing pit well must be abandoned with the original well abandonment report sent to the Health Dept. The pit itself may remain to serve as a holding place for the equipment serving existing well HO-92-0067.	

ISSUED BY: Robert Freemon ISSUE DATE: 6-27-22 EXPIRATION DATE: 6-27-23

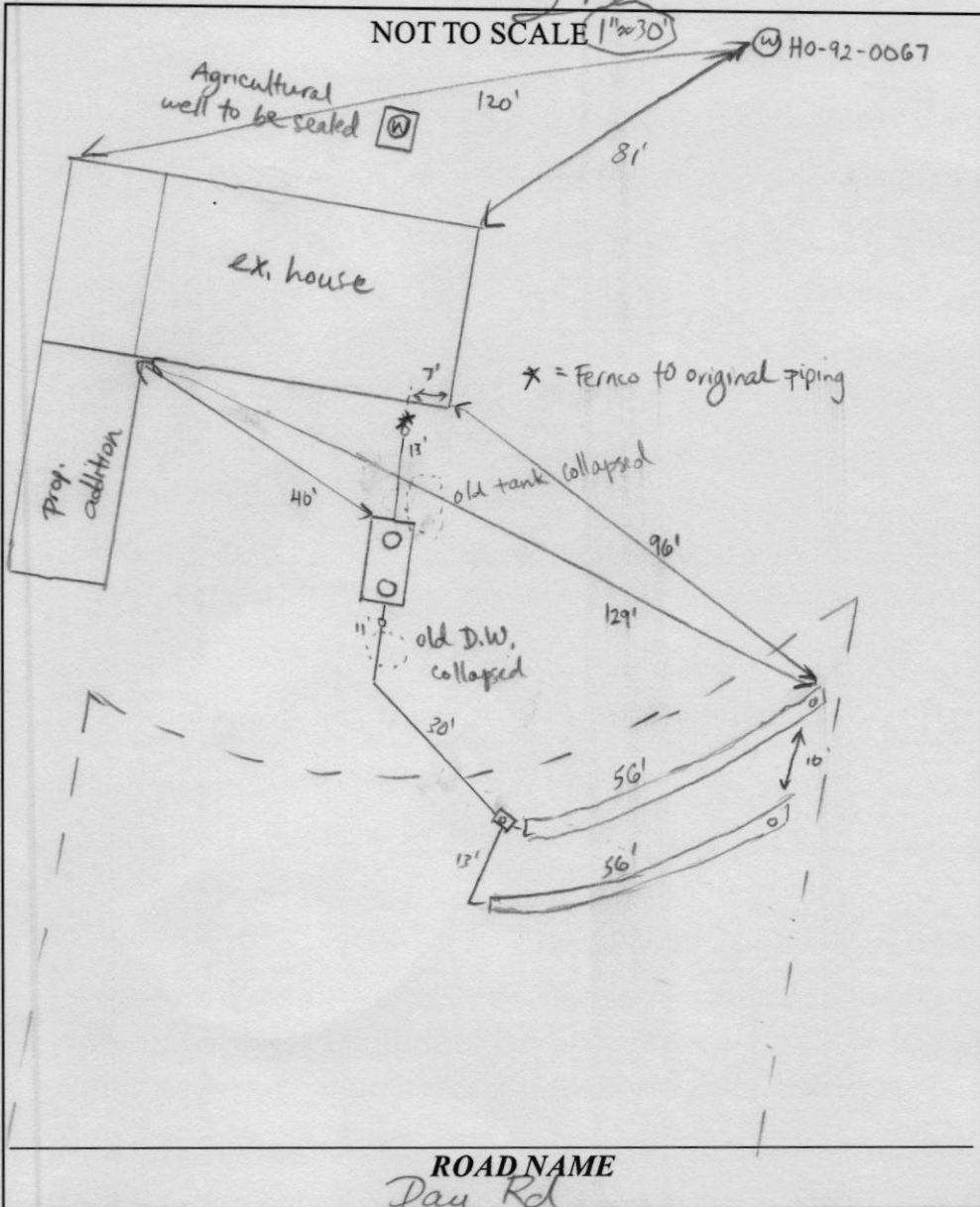
- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRAIENT 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: THE HCHD DOES NOT WARRANT ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.
- 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.**

835 Day Rd

NOT TO SCALE 1"=30'

HO-92-0067



ROAD NAME
Day Rd

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	2'	7'
NUMBER OF TRENCHES		2
TOTAL LENGTH		112'
ABSORPTION AREA		336 sqft + sidewalk
DISTRIBUTION BOX LEVEL		Speed
DISTRIBUTION BOX BAFFLE		concrete
DISTRIBUTION BOX PORT		PVC

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	top
TANK LID DEPTH	2'
BAFFLES	inlet + outlet
BAFFLE FILTER	-
MANHOLE LOC	inlet + outlet
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	yes
DATE ON LID	5-23-22
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:

6/28/22 Laid out 2x56' trenches on contour and stated d-box location (ST)

INSTALLATION:

6/29/22 SL connected to existing ST via Ferno. Old tank and old drywell pumped and collapsed. Tank set and d-box set and leveled. 2x56' trenches installed. (ST)

FINAL INSPECTOR

Susan Thomas

DATE OF APPROVAL

6/29/22

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

INFORMATION FORM - SEPTIC SYSTEM REPAIR/UPGRADE

Reason for Request:

- Failing System
- System relocation for proposed addition
- System upgrade for proposed addition
- Inadequate treatment zone
- Collapsed septic tank
- Collapsed drywell

Existing system design

- Drywell
- Trench
- Mound
- Unknown
- Other: _____

Is discharge surfacing on the ground?

- Yes
- No

Additional Comments:

*For REPAIRS, are the owners proposing, or do they plan to add in the future any additions or modifications to the property, i.e. pools, living space additions, garages, etc? This information must be disclosed at the time of this application. The Health Department will not be able to accommodate requests in the field for property modifications unrelated to the repair request. Such requests may require an additional fee, testing, and submittal of a Percolation Certification Plan, if the property does not meet current Code and Regulations.

Septic Contractor: Jeff Allen's Backhoe Service Contractor's Phone: (410) 707-9028

Contractor's Address: 15100 Frederick Rd. Woodbine, Md 21797

Property Address: 835 Day Rd. County File: Howard

Subdivision: _____ Lot: 3 Year Built: _____

Owner's Name: _____ Existing bedrooms: _____

Name of previous owners: _____ Existing bedrooms: _____

Proposed bedrooms: _____

*A Sanitarian will be in contact within three business days, depending upon the urgency of the situation, to coordinate the scheduling/review of the repair or upgrade.

Prior to scheduling inspections, scaled plans should be submitted to clarify the nature of the addition.

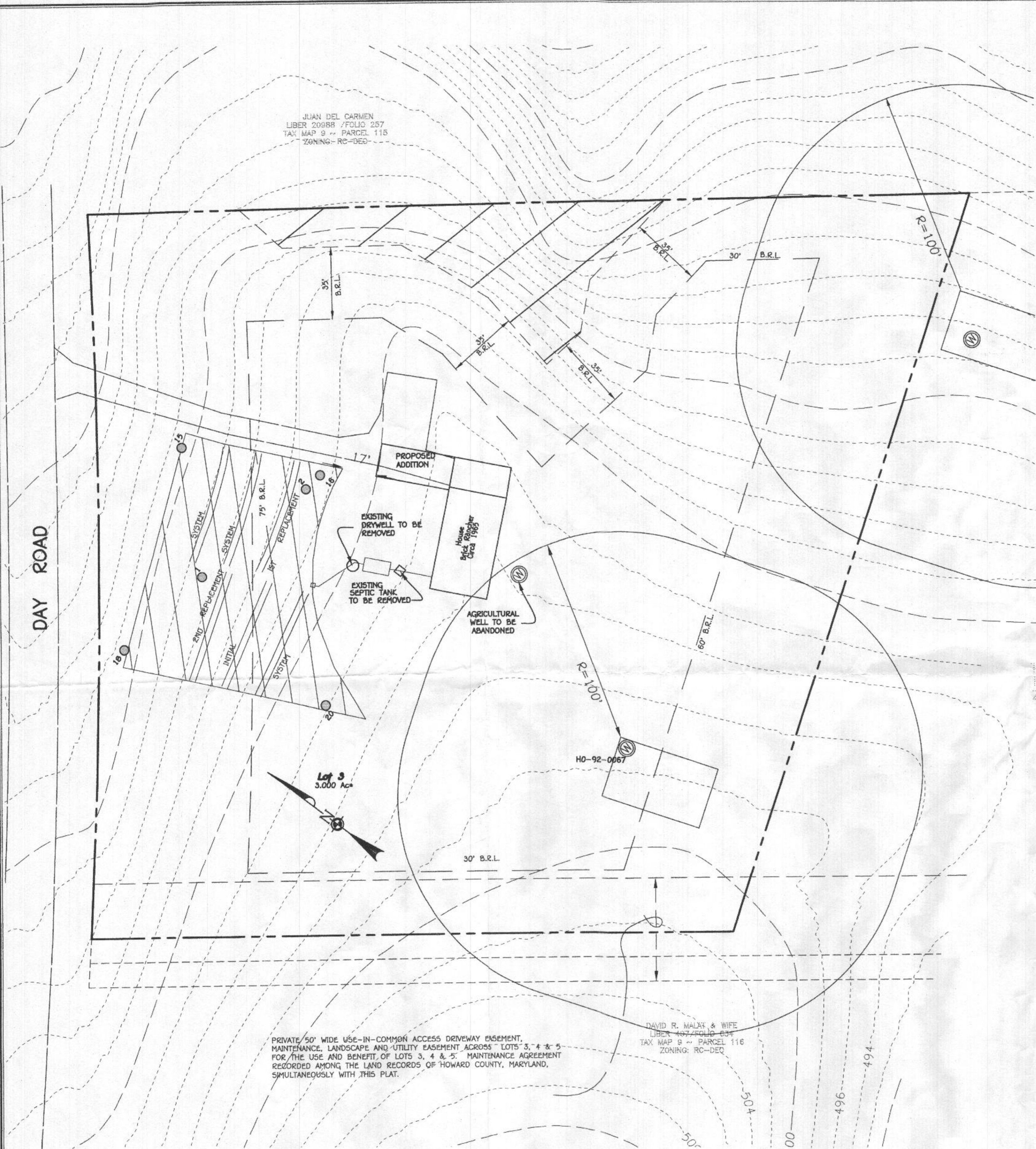
Print out a copy of Real Property Data via Dept. of Taxation website _____ Indexed file found _____

If soil/site conditions are limited and sewer and/or Metro District status is not conducive to connection, the Sanitarian may recommend pursuit of Emergency Sewer Extension or Emergency Metro District Inclusion. The Owner should contact the Bureau of Utilities for details.

No permit is to be issued nor inspection to be scheduled without prior fee collection at the office unless an emergency exists.

The contractor is to notify the office of the emergency as soon as possible.

JUAN DEL CARMEN
LIBER 20688 / FOLIO 257
TAX MAP 9 -- PARCEL 115
ZONING: RC-DEO



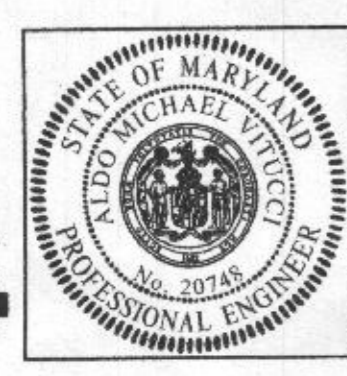
PRIVATE 50' WIDE USE-IN-COMMON ACCESS DRIVEWAY EASEMENT, MAINTENANCE, LANDSCAPE AND UTILITY EASEMENT ACROSS LOTS 3, 4 & 5 FOR THE USE AND BENEFIT OF LOTS 3, 4 & 5. MAINTENANCE AGREEMENT RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, SIMULTANEOUSLY WITH THIS PLAT.

DAVID R. MALAK & WIFE
LIBER 107 FOLIO 83
TAX MAP 9 -- PARCEL 116
ZONING: RC-DEO

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 HO-92-0067 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
4. 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.

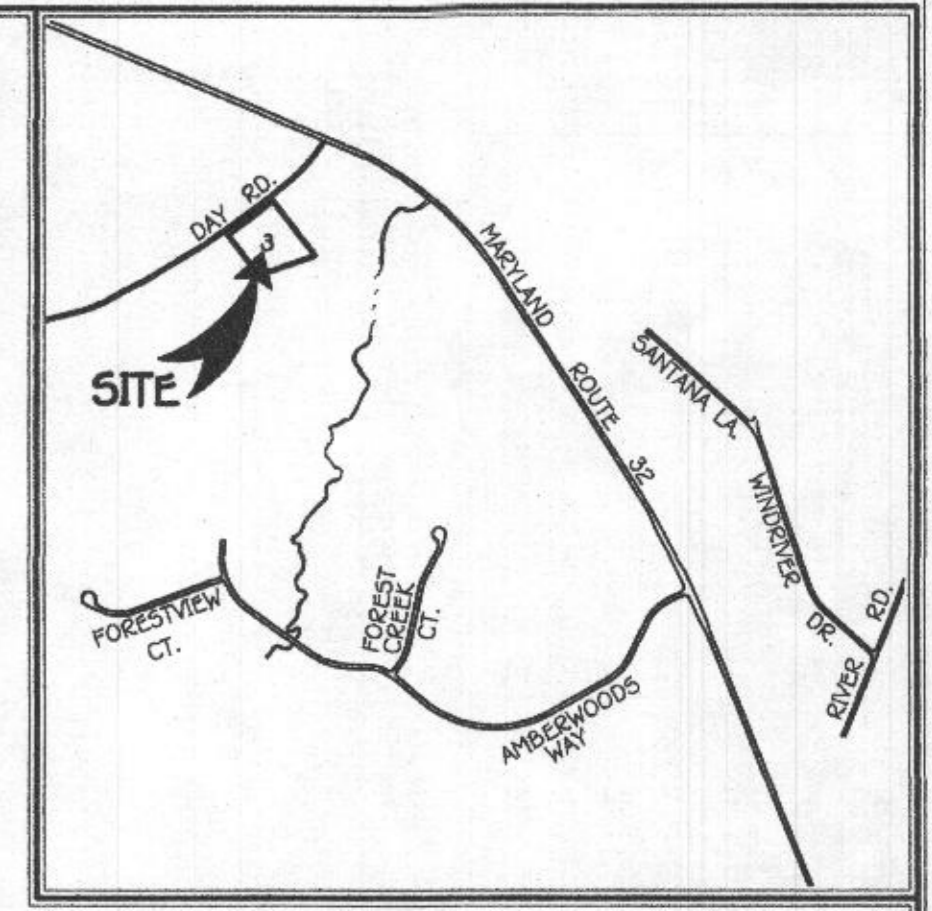
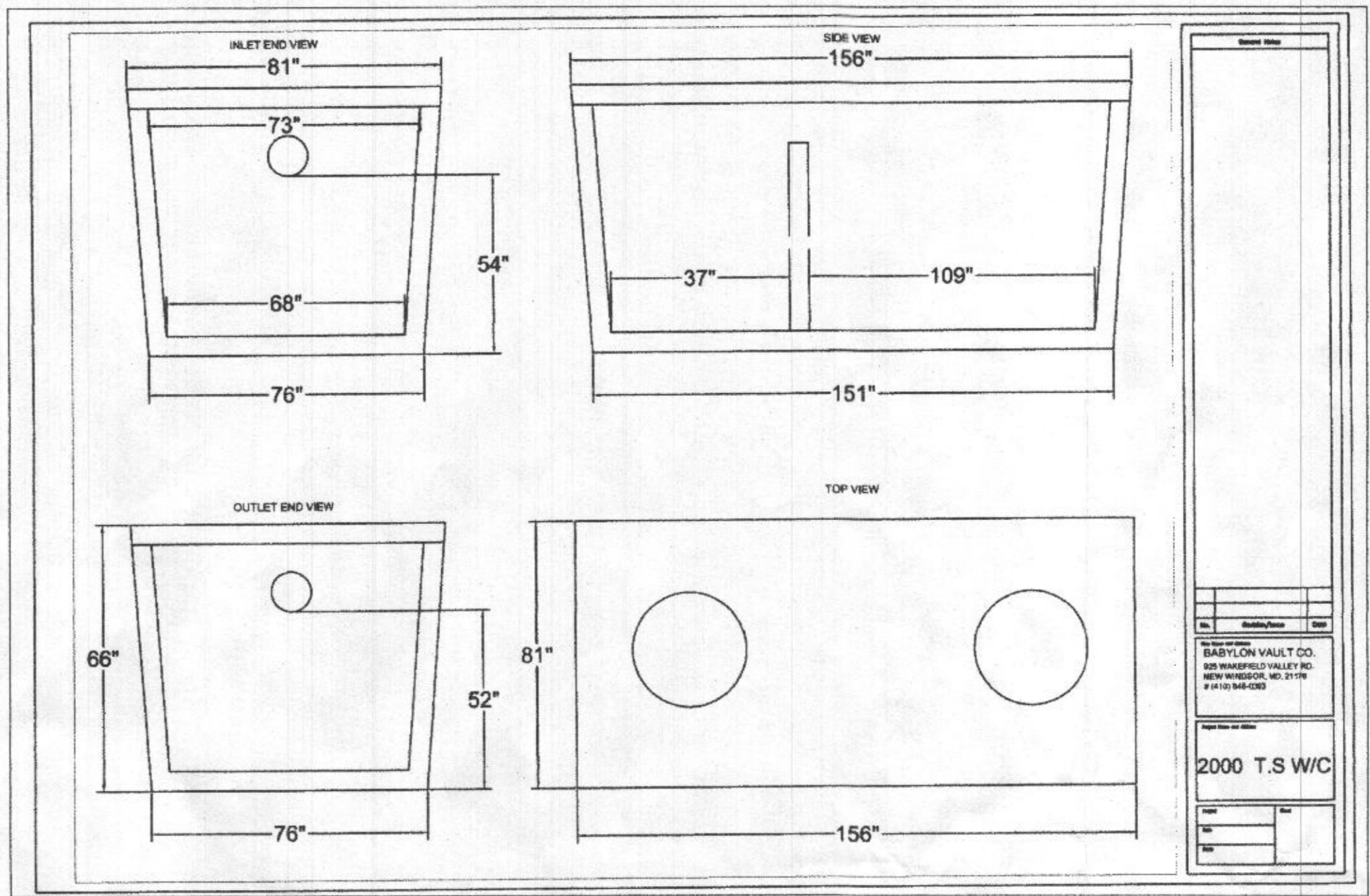
PROFESSIONAL CERTIFICATION

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. 20748, EXPIRATION DATE: 02/22/2023.



Signature of Professional Engineer
DATE: 6/20/22

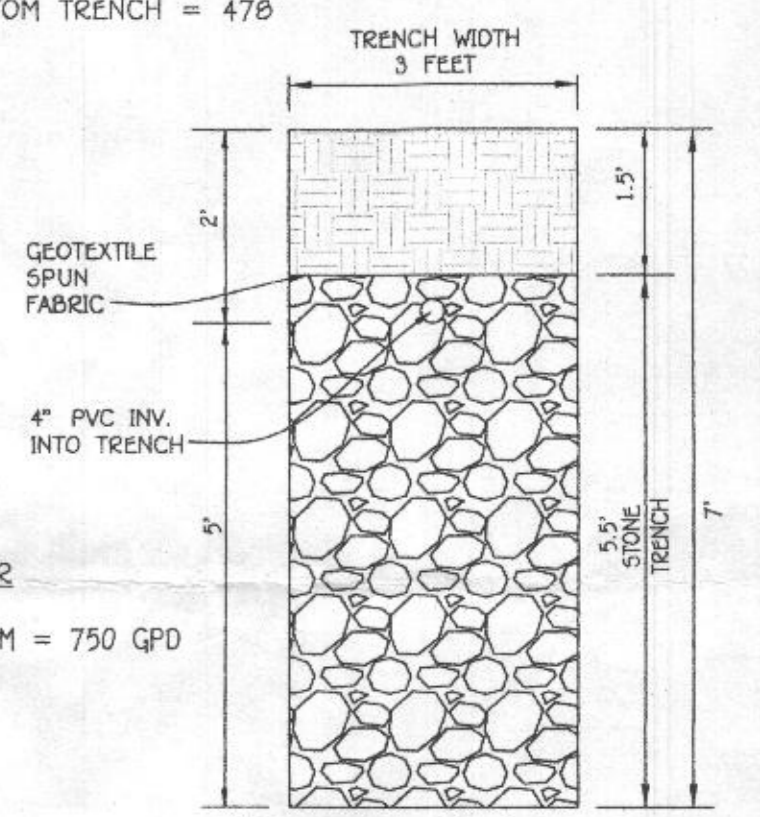
EXISTING PIPE AT EXISTING TANK TO BE REMOVED = 480.2
EX. GROUND AT SEPTIC TANK = 491
PROP. GRADE ABOVE SEPTIC TANK = 491
TOP OF SEPTIC TANK = 489
INV. INTO SEPTIC TANK = 480
INV. OUT OF SEPTIC TANK = 487.75
EX. GROUND AT DISTRIBUTION BOX = 489.15
INV. INTO DISTRIBUTION BOX = 487.25
INV. OUT OF DISTRIBUTION BOX = 487.15



VICINITY MAP
SCALE: 1" = 1200'

TRENCH DATA:

TRENCH 1:
EX. GROUND ABOVE = 489.15
INV. IN = 487.25
BOTTOM TRENCH = 482.15
TRENCH 2:
EX. GROUND ABOVE = 487
INV. IN = 483
BOTTOM TRENCH = 478



INITIAL TRENCH DETAIL
SCALE: 1" = 2'

INITIAL SYSTEM

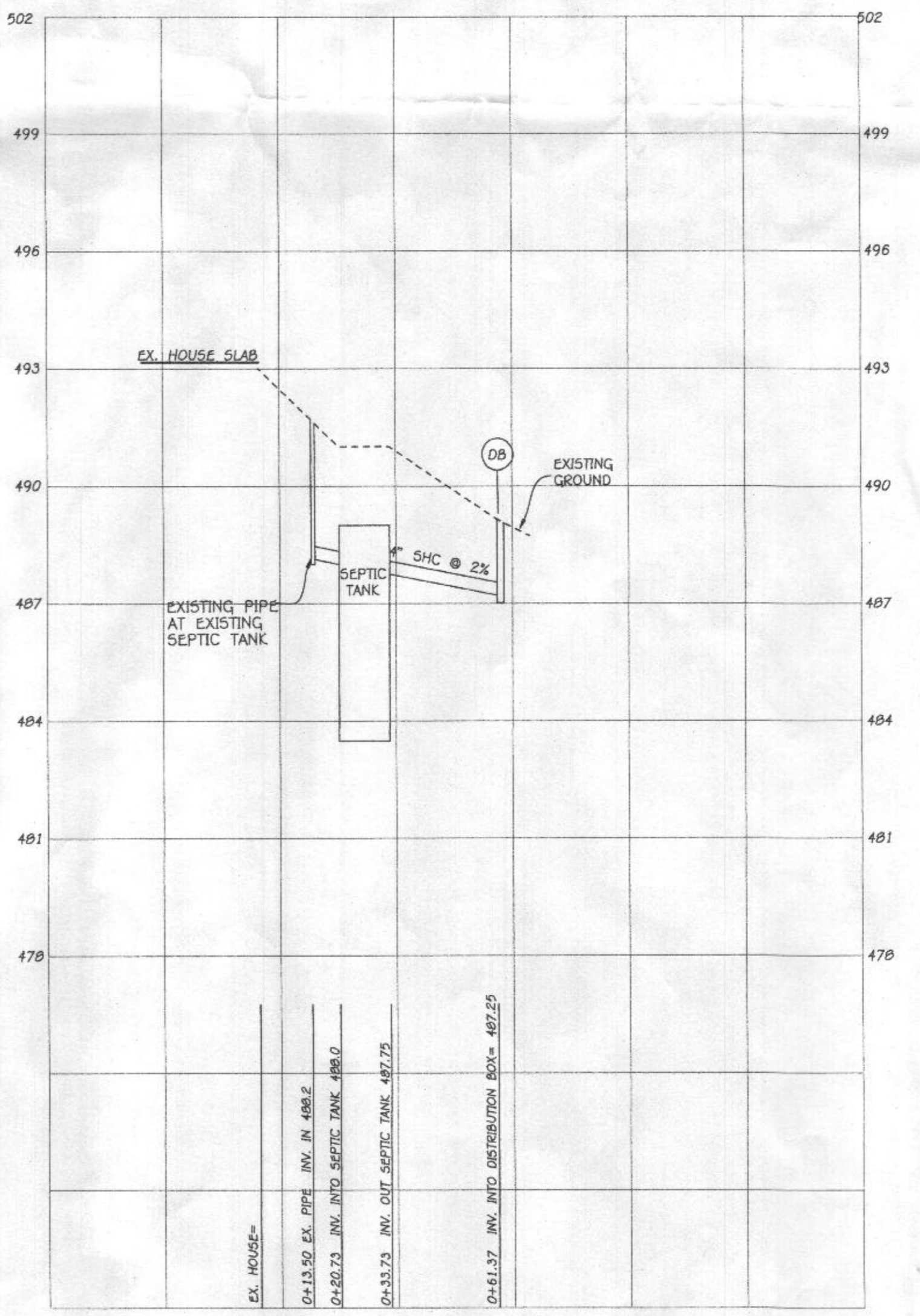
SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 5 BEDROOMS
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
APPLICATION RATE = 0.8
EFFECTIVE SIDEWALL BEGINS AT 2 FEET
TRENCH DEPTH = 7 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 5 FEET
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x5)) = 0.357
TRENCH LENGTH = 312.50 SF x 0.357 = 111.61 FEET
(USE 2 TRENCHES AT 55.80 L.F.)
TRENCH SPACING = 20+W = ((2x5) + 3) = 13' USE 13'

1ST REPLACEMENT SYSTEM

SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 5 BEDROOMS
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
APPLICATION RATE = 0.8
EFFECTIVE SIDEWALL BEGINS AT 2 FEET
TRENCH DEPTH = 7 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 5 FEET
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x5)) = 0.357
TRENCH LENGTH = 312.50 SF x 0.357 = 111.61 FEET
(USE 2 TRENCHES AT 55.80 L.F.)
TRENCH SPACING = 20+W = ((2x5) + 3) = 13' USE 13'

2ND REPLACEMENT SYSTEM

SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 5 BEDROOMS
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
APPLICATION RATE = 0.8
EFFECTIVE SIDEWALL BEGINS AT 2 FEET
TRENCH DEPTH = 7 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 5 FEET
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x5)) = 0.357
TRENCH LENGTH = 312.50 SF x 0.357 = 111.61 FEET
(USE 2 TRENCHES AT 55.80 L.F.)
TRENCH SPACING = 20+W = ((2x5) + 3) = 13' USE 13'



SEPTIC PROFILE
SCALE: 1" = 30'

Approved Septic System Plan
Howard County Health Department
Signature: [Signature] Date: [Date]

**SEPTIC SYSTEM
INSTALLATION SITE PLAN
TALLEY PROPERTY**

LOT 3
835 DAY ROAD
TAX MAP NO.: 9 PARCEL NO.: 316 GRID NO.: 4
THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: JUNE 20, 2022
SHEET 1 OF 1