



**Howard County  
Health Department**

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

**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)

RECEIPT DATE: 2-14-25 **ONSITE SEWAGE DISPOSAL SYSTEM** P 587960

APPROVAL DATE: 4-10-25 **PERMIT: UPGRADE** New Construction

PROPERTY ADDRESS: 2515 Daisy Road

SUBDIVISION: Weikel Property LOT: 2 TAX ID: 04-349121

CONTRACTOR: Sami's Creek EMAIL: sams.creek@aol.com

CONTRACTOR ADDRESS: 2800 Sami's Creek Rd. New Windsor MD PHONE: 443 821 4932

PROPERTY OWNER: Griffin N. and Megan M. Weikel Property EMAIL: \_\_\_\_\_

OWNER ADDRESS: 3307 Tray Lane, Baltimore, MD 21208 PHONE: 443-745-4594

SEPTIC TANK SIZE: 2000 Gal PUMP SIZE: N/A PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>237</u>	INLET DEPTH: <u>2</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>5</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	SYSTEM TO BE STAKED BY DESIGNER AND VERIFIED BY APPROVING AUTHORITY DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:	<u>Install 3x 79' Trenches</u>	

ISSUED BY: Robert [Signature] ISSUE DATE: 2-14-25 EXPIRATION DATE: 2-14-26

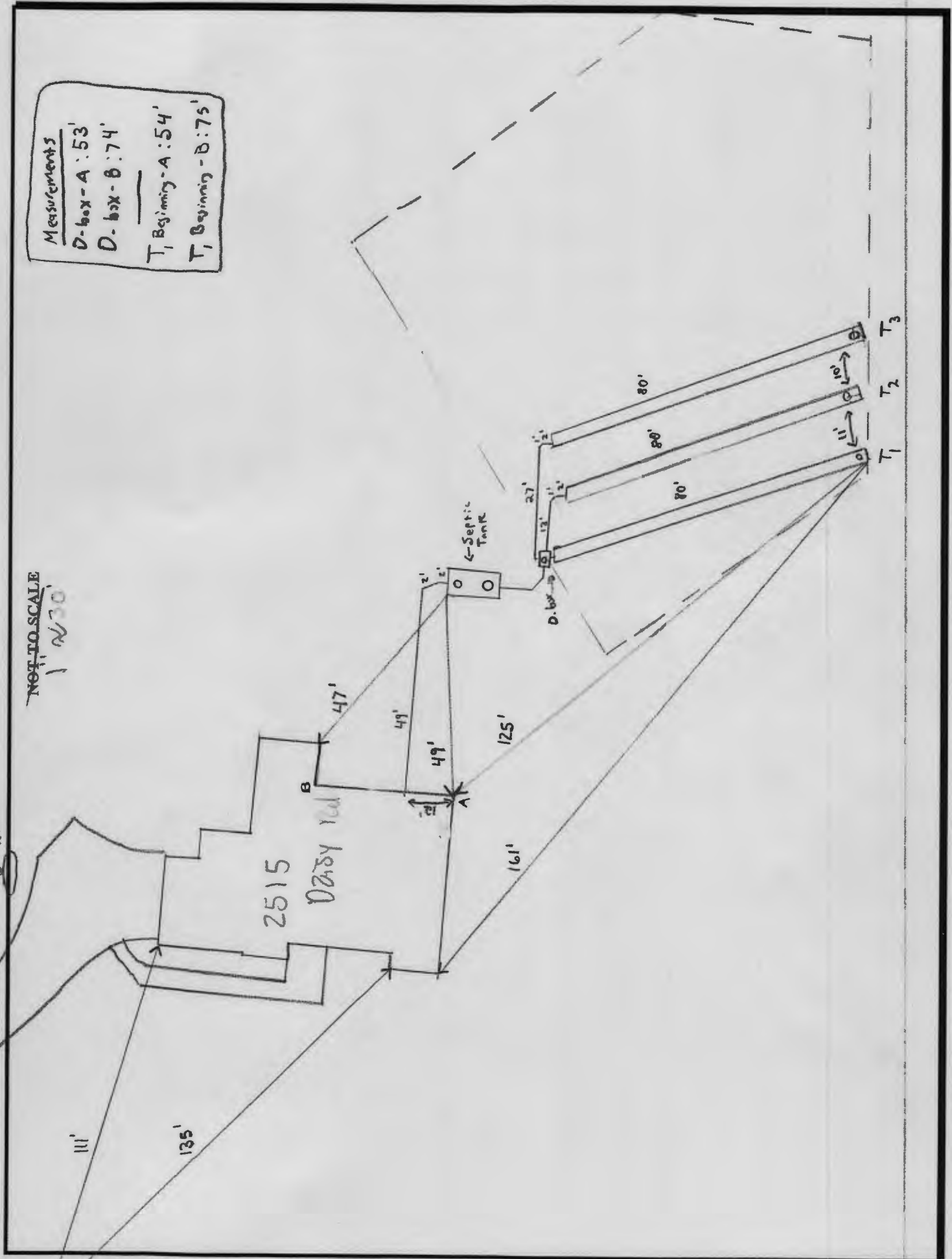
- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR REGISTERED WITH THE STATE OF MD ON-SITE WASTEWATER PROFESSIONALS BOARD: CONFIRMED
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- 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 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: THE HCHD DOES NOT WARRANTY 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: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.
- 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.**

Measurements  
 D-box - A : 53'  
 D-box - B : 74'  
 T<sub>1</sub> Beginning - A : 54'  
 T<sub>1</sub> Beginning - B : 75'

NOT TO SCALE  
 1" = 30'

Proposed  
Septic  
Tank



2515 Darcy Rd, W. Wa. Co. Md



Trench 1



Septic tank to d-box to trenches



# Howard County Health Department

Bureau of Environmental Health, Columbia, MD 21045 - 410-313-1771

SEWAGE DISPOSAL PERMIT NO. A- \_\_\_\_\_ P- \_\_\_\_\_

RESIDENTIAL PERMIT   
(NUMBER OF BEDROOMS: \_\_\_\_\_)

COMMERCIAL PERMIT   
(DESIGN FLOW: \_\_\_\_\_ GPD)

PERMITEE: \_\_\_\_\_

LOCATION: \_\_\_\_\_

**\*\*POST THIS CARD WHERE IT CAN BE SEEN FROM ROAD\*\***

STOP ALL CONSTRUCTION ON SEWAGE  
DISPOSAL SYSTEM AND CONTACT HEALTH  
DEPARTMENT BEFORE CONTINUING

\_\_\_\_\_  
Inspector

\_\_\_\_\_  
Date

WORK IS SATISFACTORY, OK TO  
CONTINUE

\_\_\_\_\_  
Inspector

\_\_\_\_\_  
Date

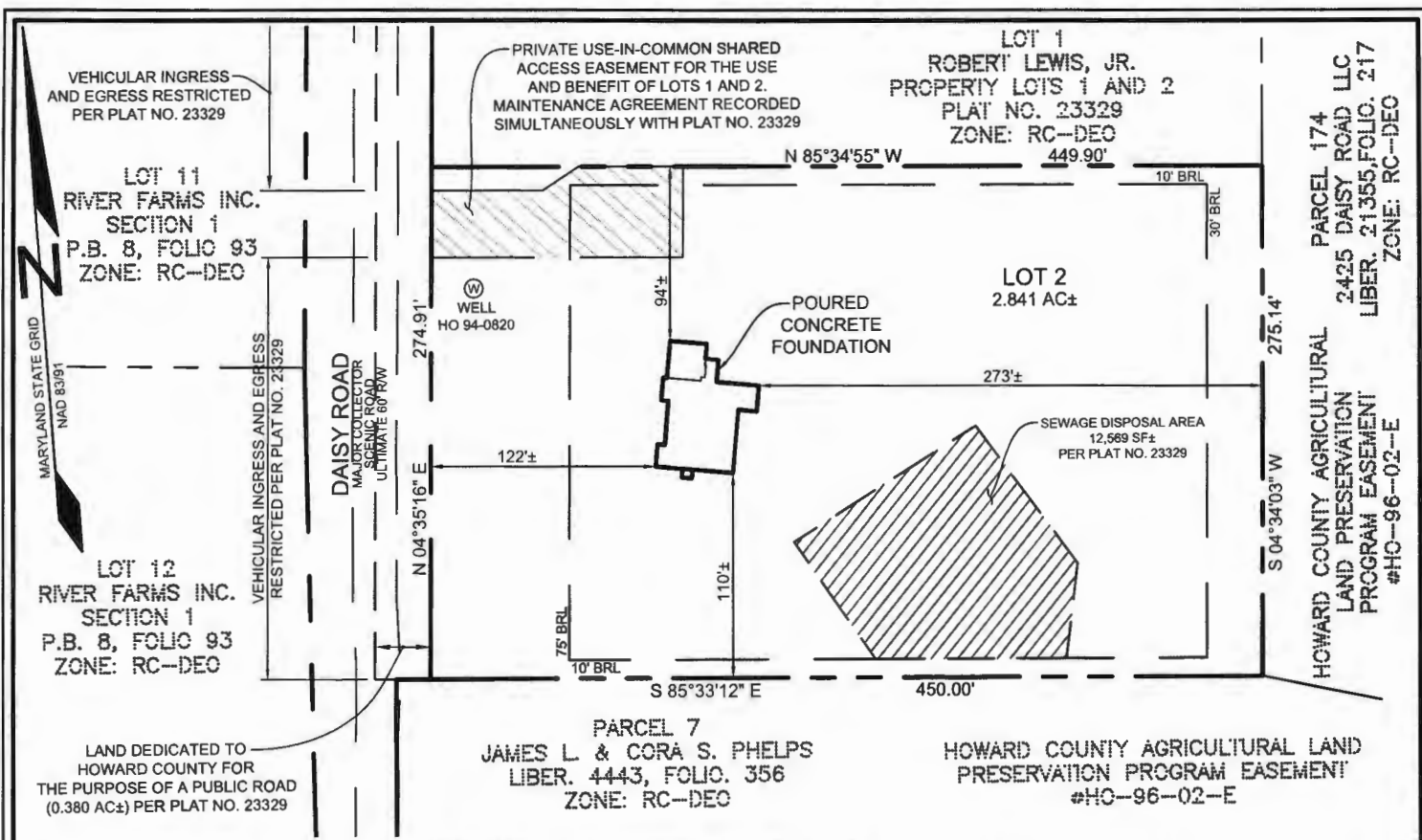
COMMENTS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

FINAL INSPECTION MADE, OK TO  
COVER ALL WORK

\_\_\_\_\_  
Inspector

\_\_\_\_\_  
Date



**PLAN VIEW**

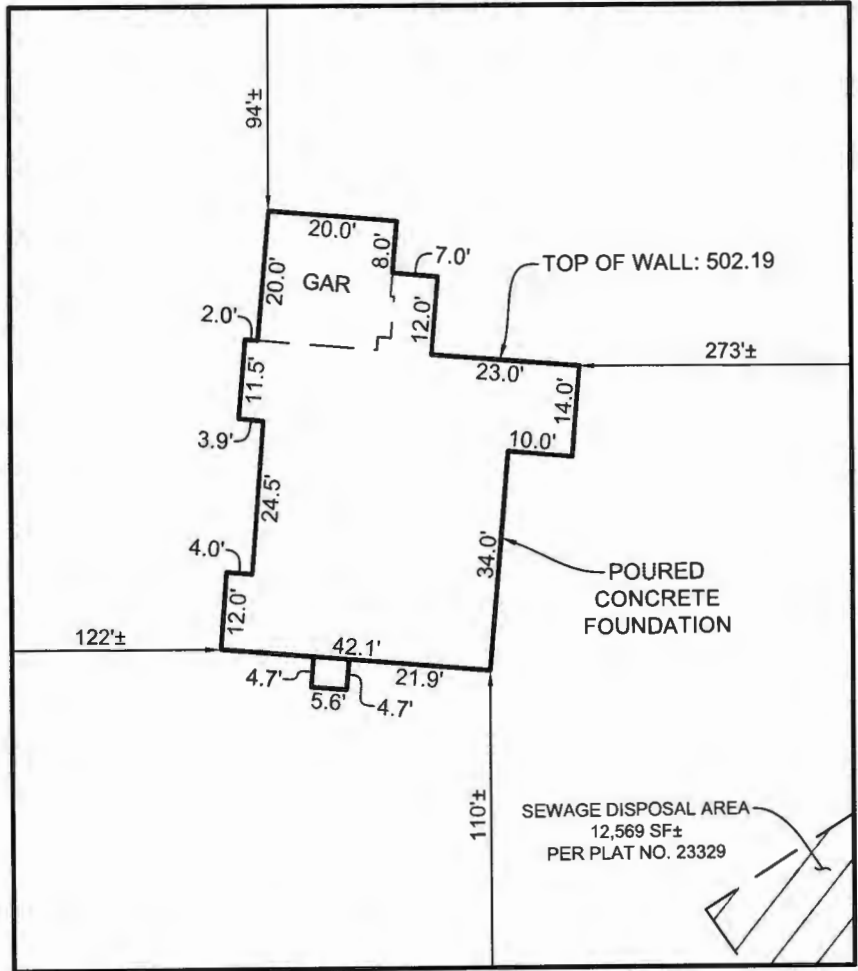
SCALE: 1"=100'

*Local Check OK 2/11/2025*



SEALED OCTOBER 30, 2024

THIS IS TO CERTIFY THAT AS OF THE DATE OF THIS DRAWING, THE APPROXIMATE LOCATION(S) OF THE IMPROVEMENTS IS/ARE SHOWN IN RELATION TO THE APPARENT PROPERTY LINES FOR THE PROPERTY KNOWN AS #2515 DAISY ROAD, IN THE 4TH ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND, ACCORDING TO MY MEASUREMENTS AND CALCULATIONS, AND TO THE REGULATIONS GOVERNING THE MARYLAND STANDARDS OF PRACTICE FOR PROFESSIONAL LAND SURVEYORS, EFFECTIVE DATE JANUARY 5, 2015. THIS DRAWING IS NOT INTENDED TO REPLACE AN EXAMINATION OF TITLE, OR DEPICT OR NOTE ALL MATTERS AFFECTING THE TITLE PERTAINING TO THE OWNERSHIP AND USE OF THIS PROPERTY. LICENSE NO. 21334, EXPIRATION DATE JANUARY 7, 2025.



**DETAILED PLAN VIEW**

SCALE: 1"=30'



Howard County Health Department  
Bureau of Environmental Health  
8930 Stanford Blvd.  
Columbia, MD 21045

410-313-1771

2515 Daisy Rd, Woolbine, MD 21797

# INSPECTION NOTICE

**APPROVED**

**DISAPPROVED**

Remarks: OSDS installed OK to backfill

Inspected by: MB Date: 4/10/25

**S.W. BARRICK - BARRICK QUARRY**

PH: (301) 845-6341

11609 Legore Bridge Road \* Woodsboro, MD 21798

Scale:1      TKT: 2005286

Cust#: SAMCRE      4/9/2025  
SAMS CREEK CONSTRUCTION      10:54:58AM  
Job#: DAIROA DAISY RD  
2515 DAISY RD, WOODBINE  
JOE 443.974.0250

**TRK#: 705A - S.ALBAUGH TRUCKNG**

Zone#: J-09 - BARRICK DELIVERY ZONE      Gross:      68180  
P.O.#:      Tare:      23340  
Proj#:      Net:      44840  
Mat'l#: 51-WASHED. 2'S(AASHTO#3)      TONS:      22.42

	Loads	Tons
Job/Daily:	4	86.38
Job/Total:	4	86.38

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**WEIGHMASTER:** Madison Diaz

We exercise No Control Over Delivery of Our Products & We Won't be Held Liabile for Any Damage to Person or Property.

*Material Safety Data Information Available Upon Request.*

**Have A Great Day. Please Drive Safely!**

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Job#: DAIROA DAISY RD  
2515 DAISY RD, WOODBINE  
JOE 443.974.0250

**TRK#: 703T - MAISEL TRUCKING**

\* P. T.  
Zone#: J-09 - BARRICK DELIVERY ZONE      Gross: 68680  
P.O.#:      \*      Tare: 26200  
Proj#:      Net: 42480  
Mat'l#: 51-WASHED. 2'S(AASHTO#3)      TONS: 21.24

	Loads	Tons
Job/Daily:	2	41.46
Job/Total:	2	41.46

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**GENERAL NOTES**

- SUBJECT PROPERTY ZONED RC-DEO PER 10-06-2013 COMPREHENSIVE ZONING PLAN.
- PROPERTY ADDRESSES: 2515 DAISY ROAD, WOODBINE, MD 21797
- REFERENCE: LIBER 21950, FOLIO 142
- PROJECT ACREAGE: PARCEL 332, 5.88 AC. LOT 2, 2.841 AC.
- PREVIOUS HOWARD COUNTY FILE NUMBERS: PLAT NO. 23329, F-14-101, ECP-14-063
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET (OR 10,000 SQUARE FEET PER LOT FOR SHARED DRAIN FIELDS ASSOCIATED WITH A SHARED SEWAGE DISPOSAL FACILITY) AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- THE BOUNDARY SHOWN HEREON IS BASED ON A BOUNDARY SURVEY PREPARED BY SEG LAND SURVEYING, LLC IN JUNE OF 2023.
- THE EXISTING TOPOGRAPHY SHOWN WITHIN THE DEVELOPED AREA IS BASED ON A FIELD RUN TOPOGRAPHIC SURVEY PREPARED BY SEG LAND SURVEYING, LLC IN JUNE OF 2023. TOPOGRAPHY OUTSIDE THE DEVELOPED AREA IS BASED ON HOWARD COUNTY GIS FLOWN IN 2018.
- THE EXISTING WELL HO-94-0820 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREA HAVE BEEN LOCATED.
- 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.
- THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.

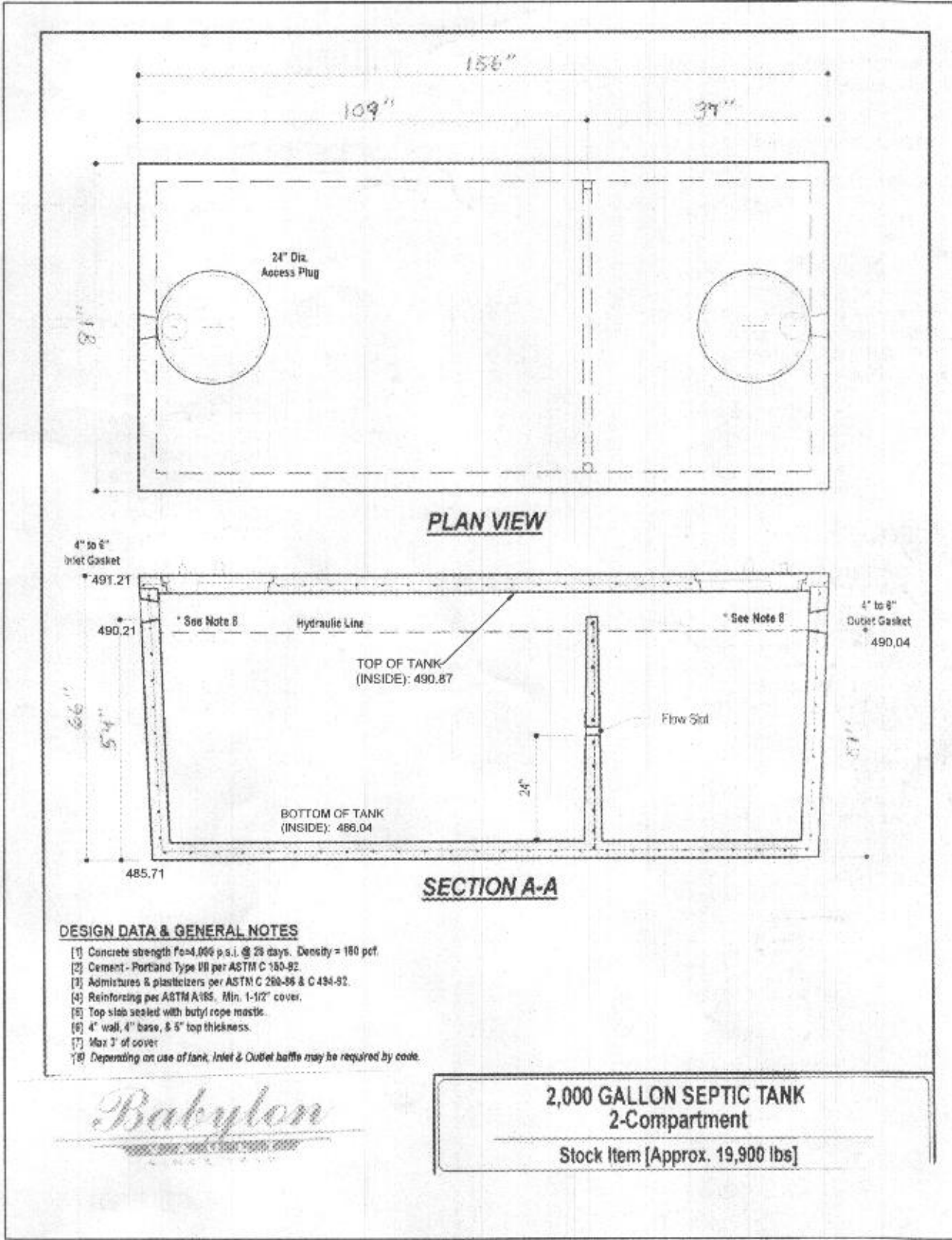
**SEPTIC SYSTEM TRENCH DESIGN SPECIFICATIONS**

- INITIAL SYSTEM**  
 - APPLICATION RATE: 0.8  
 - EFFECTIVE AREA BEGINNING DEPTH: 3.0'  
 - BOTTOM MAXIMUM DEPTH: 5.0'
- DESIGN FLOW**  
 - 6 BEDROOMS AT 150 GALLONS PER DAY (GPD)  
 - 6X150 GPD = 900 GPD
- 2. SQUARE FOOTAGE OF DRAIN FIELD REQUIRED:**  
 - DESIGN FLOW (900 GPD) / APPLICATION RATE (0.8) = 1,125 SF
- 3. SIDEWALL REDUCTION CREDIT:**  
 - TRENCH WIDTH (W) = 3.0'  
 - TRENCH EFFECTIVE DEPTH (D) = 2.0'  
 - (W+2) / (W+1+2D) X 100 = 62.5%
- 4. LINEAR LENGTH OF TRENCH REQUIRED:**  
 - DRAIN FIELD SQUARE FOOTAGE (1,125) X SIDEWALL REDUCTION CREDIT (62.5%) / TRENCH WIDTH (3.0') = 234.4'
- 5. LINEAR LENGTH OF TRENCH PROVIDED = 235'**  
 - FOUR TRENCHES AT 59 LF EACH
- 6. EXISTING GROUND:**  
 TRENCH I-1: 491.9  
 TRENCH I-1: 489.9  
 TRENCH I-2: 490.9  
 TRENCH I-2: 489.9  
 TRENCH I-3: 490.1  
 TRENCH I-3: 488.1
- SECOND REPLACEMENT SYSTEM**  
 - APPLICATION RATE: 0.8  
 - EFFECTIVE AREA BEGINNING DEPTH: 3.0'  
 - BOTTOM MAXIMUM DEPTH: 5.0'
- DESIGN FLOW**  
 - 6 BEDROOMS AT 150 GALLONS PER DAY (GPD)  
 - 6X150 GPD = 900 GPD
- 2. SQUARE FOOTAGE OF DRAIN FIELD REQUIRED:**  
 - DESIGN FLOW (900 GPD) / APPLICATION RATE (0.8) = 1,125 SF
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- 5. LINEAR LENGTH OF TRENCH PROVIDED = 235'**  
 - FOUR TRENCHES AT 59 LF EACH
- 6. EXISTING GROUND:**  
 TRENCH R2-1: 488.9  
 TRENCH R2-1: 484.9  
 TRENCH R2-2: 486.1  
 TRENCH R2-2: 484.1  
 TRENCH R2-3: 486.3  
 TRENCH R2-3: 484.3  
 TRENCH R2-4: 485.2  
 TRENCH R2-4: 483.2

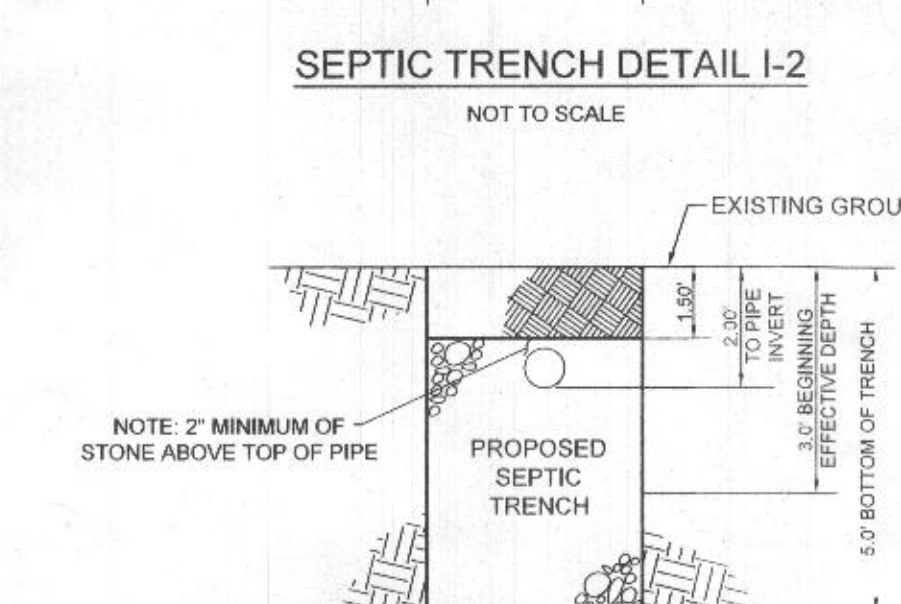
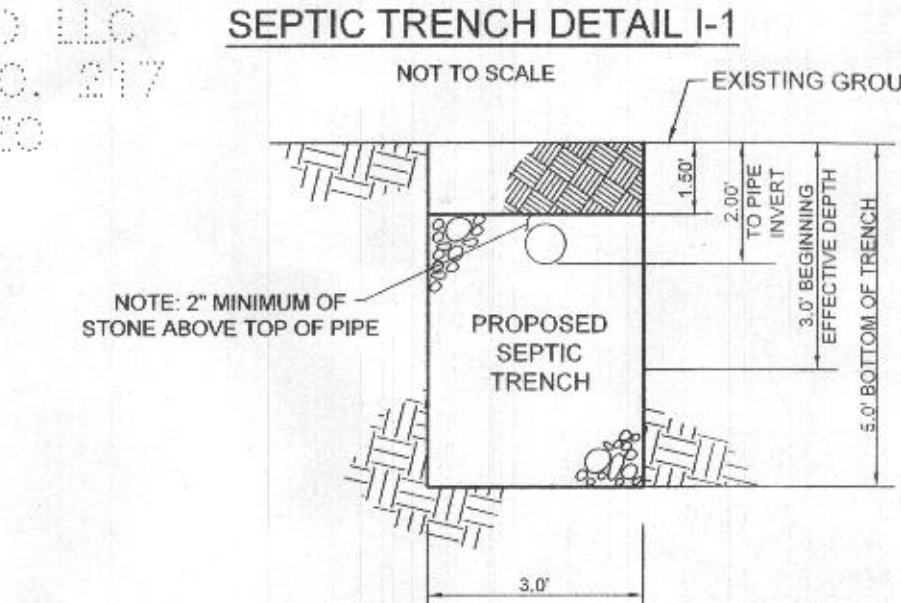
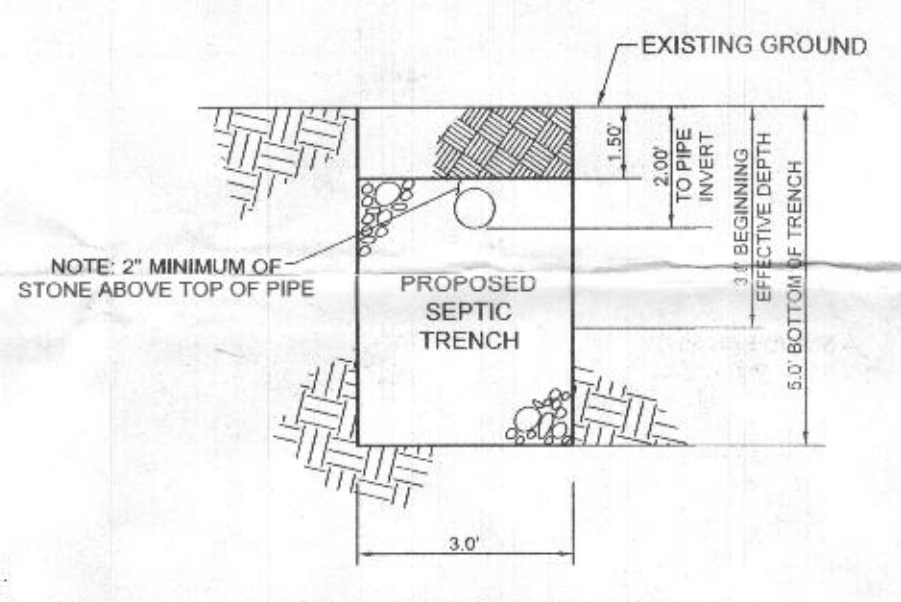
**SOILS LEGEND**

SYMBOL	NAME/DESCRIPTION	GROUP	"K" FACTOR
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	0.24
GmB	GLENEVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C/D	0.37

- NOTES:**
- SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.
  - HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL CREDIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.



**PROPOSED 2,000-GALLON SEPTIC TANK DETAIL**  
 NOT TO SCALE



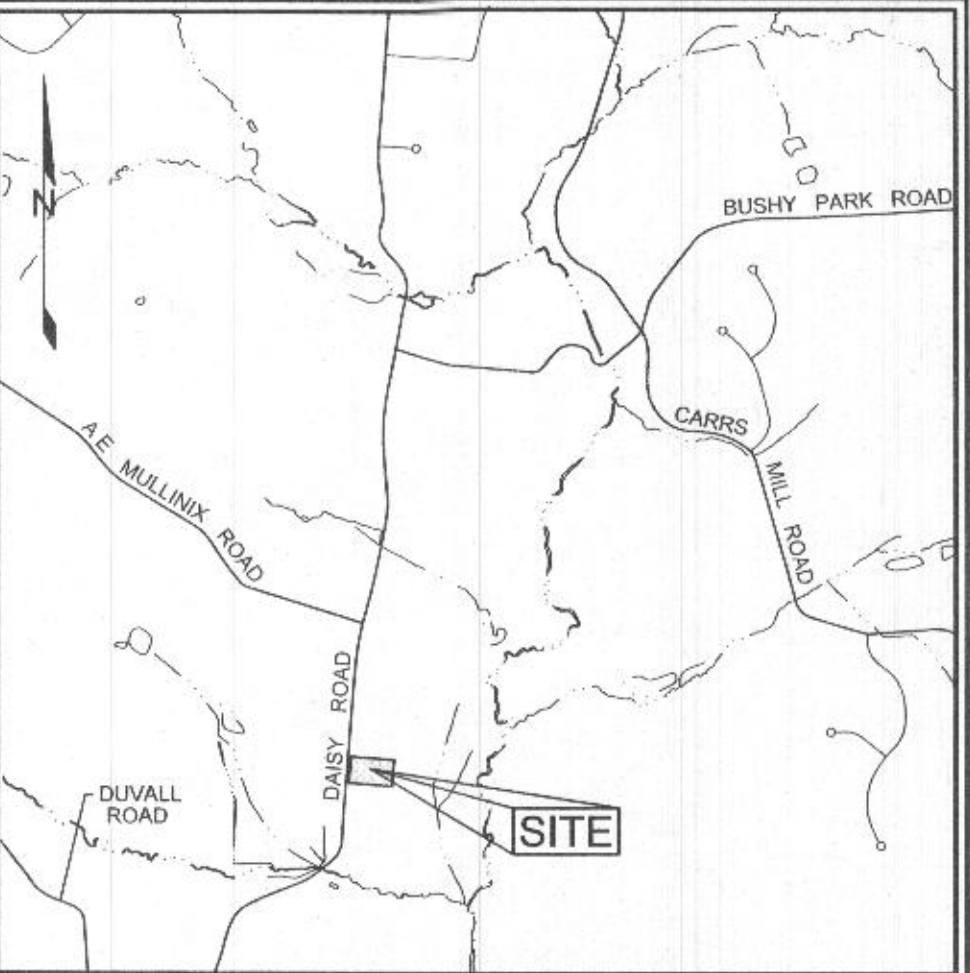
**LEGEND**

- EXISTING GIS CONTOUR
- EXISTING FIELD RUN CONTOUR
- PROPOSED CONTOUR
- SOIL BOUNDARY
- EXISTING FENCE
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING PERCOLATION TEST IN 1989 PER HOWARD COUNTY HEALTH RECORDS
- PROPOSED WELL LINE
- PROPOSED FUTURE WELL

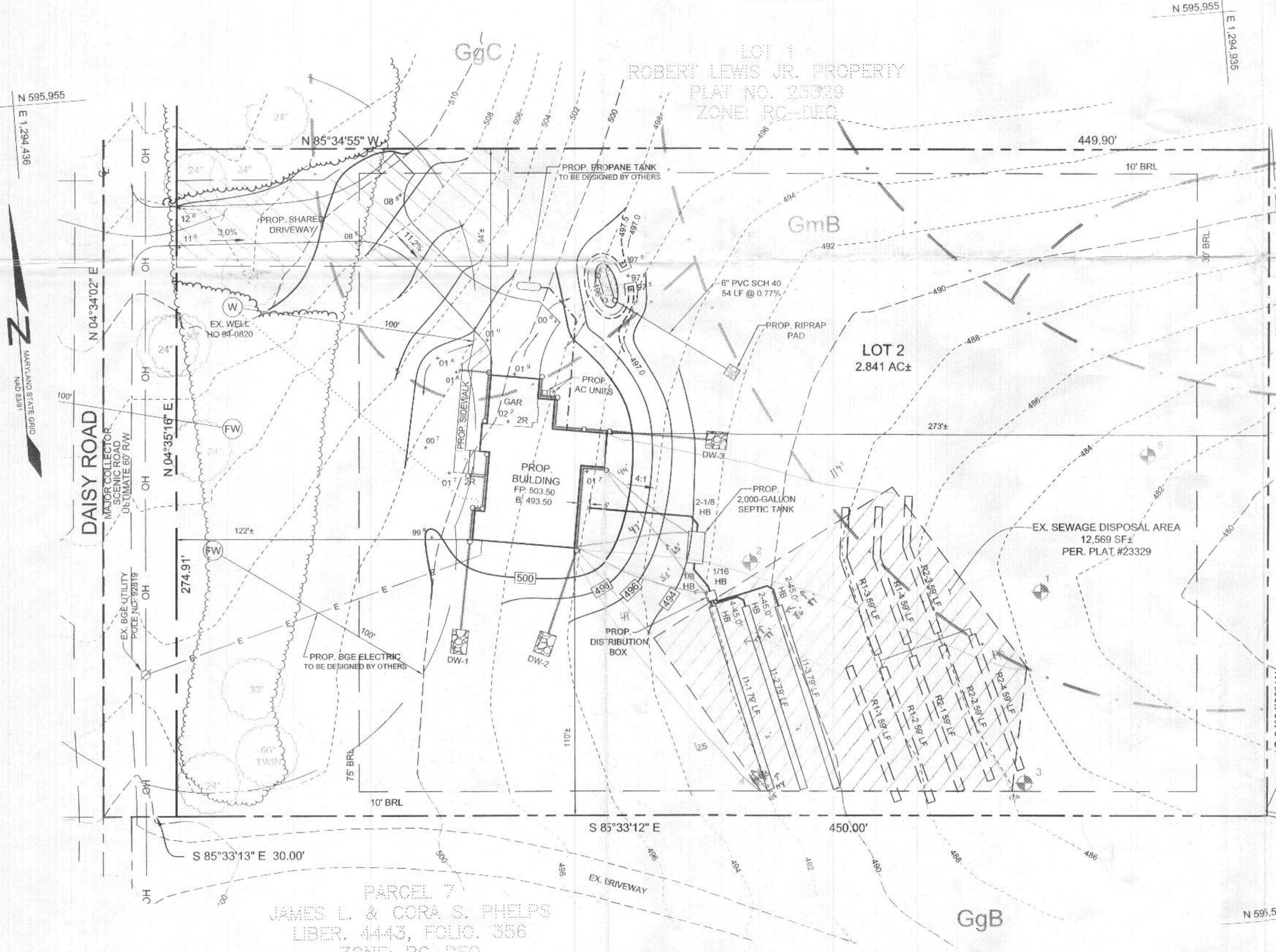
**PERCOLATION HOLE ELEVATIONS**

PERC HOLE	ELEVATION
1	483.04
2	490.76
3	485.62
4	492.16
5	482.86

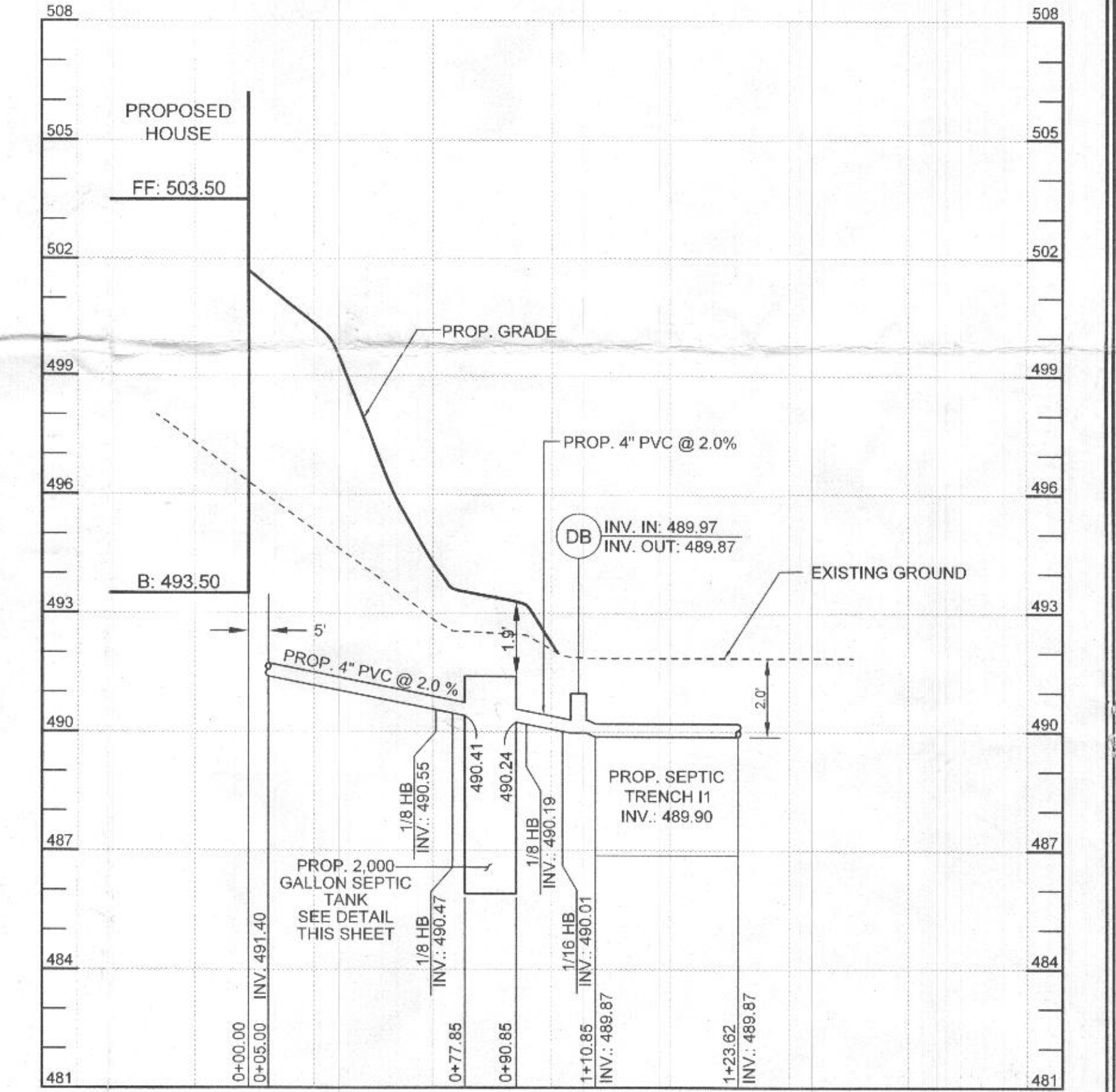
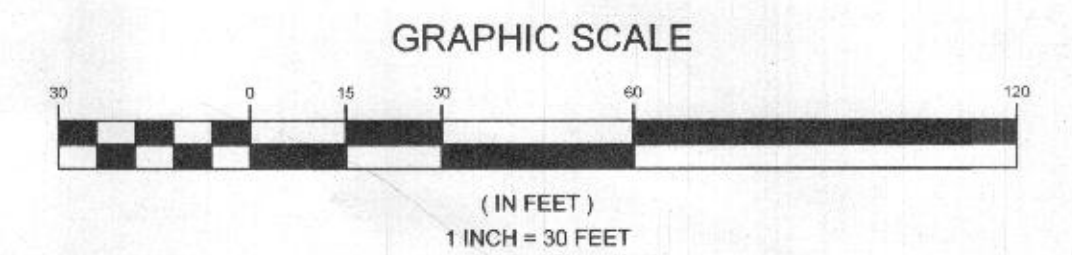
NOTE: PERCOLATION ELEVATIONS AND LOCATIONS ARE APPROXIMATE AND PER HOWARD COUNTY HEALTH RECORDS.



**VICINITY MAP**  
 SCALE: 1"=2000'



**PLAN VIEW**  
 SCALE: 1"=30'



**SEPTIC SYSTEM PROFILE**  
 HORIZONTAL SCALE: 1" = 30'  
 VERTICAL SCALE: 1" = 3'

**ONSITE SEWAGE DISPOSAL PLAN, PROFILE, NOTES & DETAILS WEIKEL PROPERTY - LOT 2 2515 DAISY ROAD**

**OWNER - LOT 2**  
 GRIFFIN N. & MEGAN M. WEIKEL  
 3307 TRAY LANE,  
 BALTIMORE, MD 21208  
 (443) 745-4594

**BUILDER - LOT 2**  
 CLASSIC HOMES OF MARYLAND  
 6116 EXECUTIVE BOULEVARD, SUITE 750,  
 NORTH BETHESDA, MD 20852  
 (301) 256-4110



**SILL ENGINEERING GROUP, LLC**  
 16005 Frederick Road, 2nd Floor  
 Woodbine, Maryland 21797  
 Phone: 443.325.5076  
 Fax: 410.696.2022  
 Email: info@sillengineering.com  
 Civil Engineering & Surveying for Land Development

DESIGN BY: PS  
 DRAWN BY: TB  
 CHECKED BY: PS  
 SCALE: AS SHOWN  
 DATE: MAY 7, 2024  
 PROJECT #: 23-044  
 SHEET #: 1 of 1

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. 32025, EXPIRATION DATE JUNE 20, 2025