



**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: 6-21-21 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 529570

APPROVAL DATE: 07/08/22 **PERMIT: CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 13025 GREENBERRY LANE, CLARKSVILLE, MD 21029

SUBDIVISION: GREENBERRY LOT: 26 TAX ID: 05-600804

CONTRACTOR: Holler Contracting EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 1017 Powell Road, Thurmont, MD 21788 PHONE: 240-753-4322

PROPERTY OWNER: NAJAF ALLY and ELLIA RAZA ALLY EMAIL: \_\_\_\_\_

OWNER ADDRESS: 2705 CORNET COURT, SILVER SPRING, MD 20704 PHONE: \_\_\_\_\_

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: MAYER BROS., INC.

PUMP MODEL: n.a. 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>234</u>	INLET DEPTH: <u>4.0</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>6.0</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 SHC WITH AT LEAST ONE CLEANOUT NEAR FOUNDATION DISTRIBUTION BOX MUST HAVE AT LEAST FIVE (5) OUTLETS	

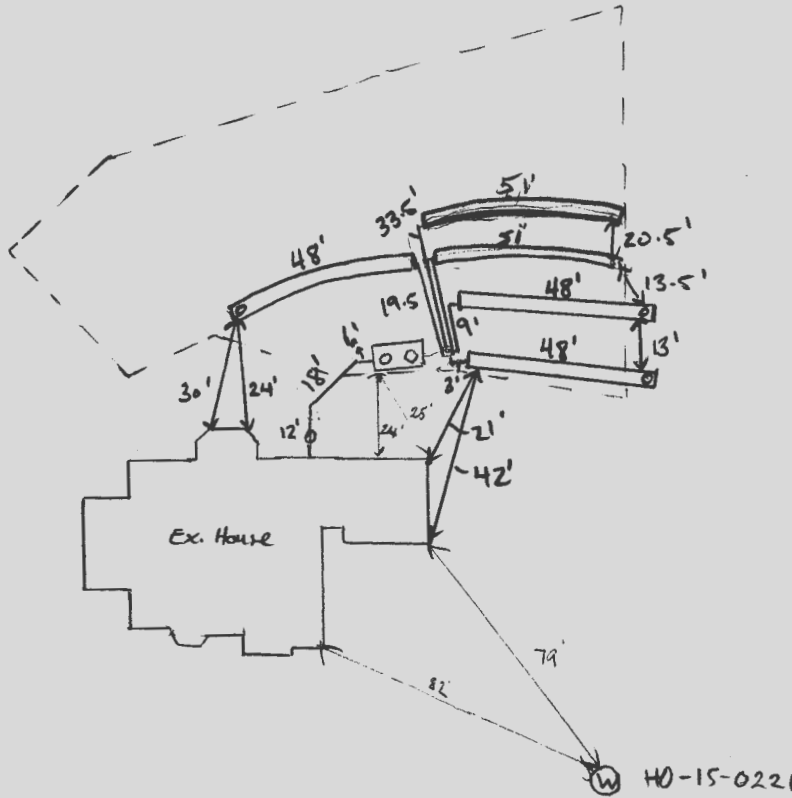
ISSUED BY: R BRICKER ISSUE DATE: 6-21-21 EXPIRATION DATE: 6-21-22

- 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.**

13023 Greenberry Ln

NOT TO SCALE 1" ≈ 50'



ROAD NAME  
Greenberry Ln

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	4'	8'
NUMBER OF TRENCHES		5
TOTAL LENGTH		246 F
ABSORPTION AREA		738 SF + 2' SIDE MAN
DISTRIBUTION BOX LEVEL		SPEED
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

**SEPTIC TANK DATA**

SEPTIC TANK I LEVEL yes  
 MANUFACTURER Babylon  
 CAPACITY 2000 GAL  
 SEAM LOC top  
 TANK LID DEPTH 2.5'  
 BAFFLES inlet + outlet  
 BAFFLE FILTER -  
 MANHOLE LOC inlet + outlet  
 6" PORT LOC -  
 WATERTIGHT TEST -  
 SLOTTED yes  
 DATE ON LID 4-26-21

**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:**

6/29/21 Laid out 5x47' trenches on contour, straightening trenches 1D and 1E somewhat. Tank staked out 20' from house. SHC below footer, verified fall to tank (S)

**INSTALLATION:**

6/30/21 Tank set and bottom trench complete. (S) 7/1/21 - SHC made from house to tank, looks good, ok to backfill and continue work (RV) 7/7/21 2nd and 3rd long trench complete. Baffles in tank, d-box set. (S) 07/08/2021 TRENCHES COMPLETED D BOX LEVELLED w/ SPEED LEVELS. OK TO BACKFILL. (P)

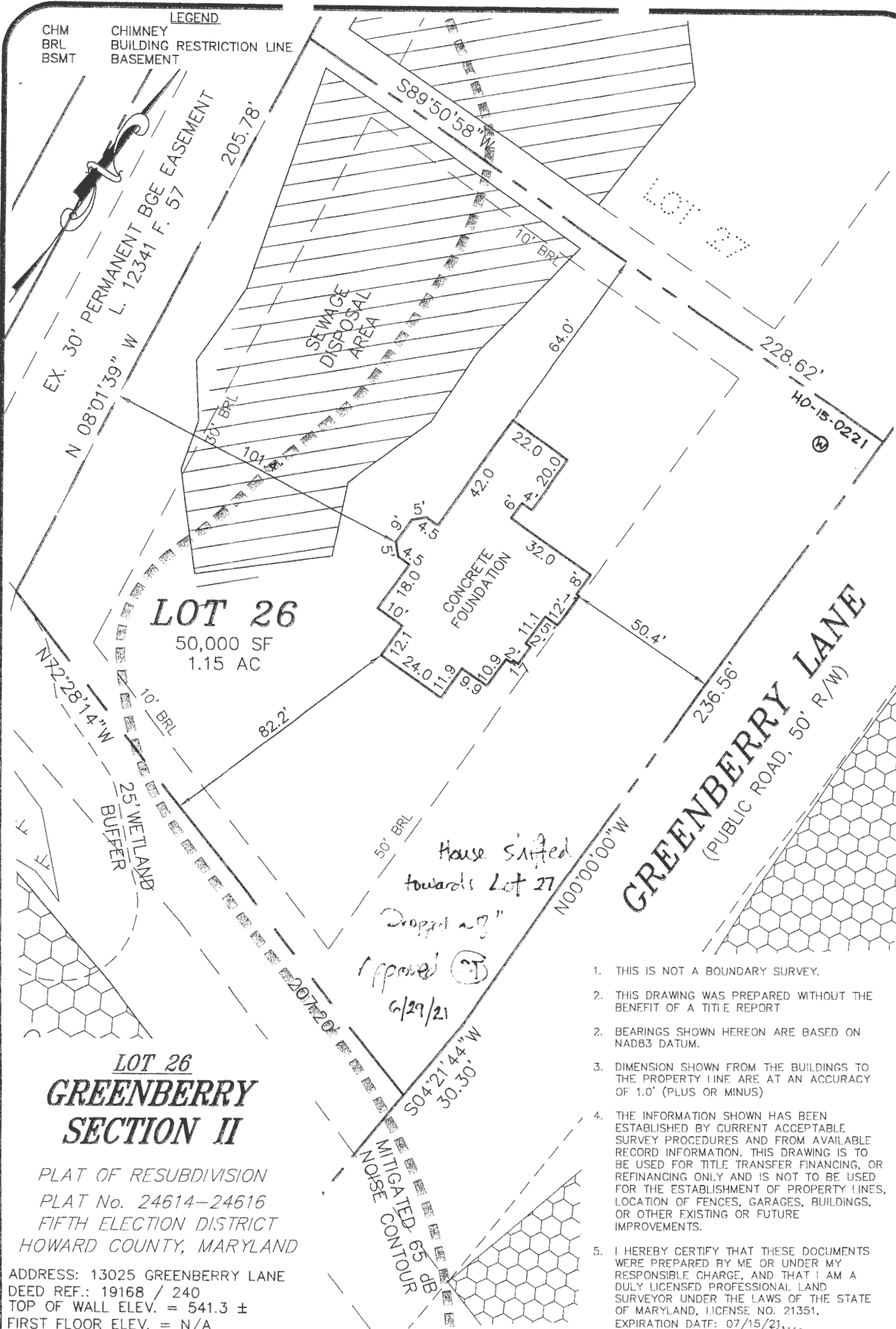
FINAL INSPECTOR

DATE OF APPROVAL

07/08/2021

CHM  
BRL  
BSMT

LEGEND  
CHIMNEY  
BUILDING RESTRICTION LINE  
BASEMENT



**LOT 26**  
50,000 SF  
1.15 AC

**LOT 26  
GREENBERRY  
SECTION II**

PLAT OF RESUBDIVISION  
PLAT No. 24614-24616  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

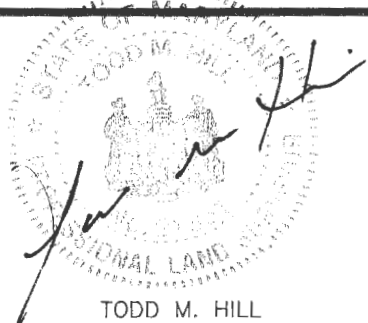
ADDRESS: 13025 GREENBERRY LANE  
DEED REF.: 19168 / 240  
TOP OF WALL ELEV. = 541.3 ±  
FIRST FLOOR ELEV. = N/A

*House shifted  
towards Lot 27  
Dropped 2' 8"  
Approved [Signature]  
6/29/21*

1. THIS IS NOT A BOUNDARY SURVEY.
2. THIS DRAWING WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT
2. BEARINGS SHOWN HEREON ARE BASED ON NAD83 DATUM.
3. DIMENSION SHOWN FROM THE BUILDINGS TO THE PROPERTY LINE ARE AT AN ACCURACY OF 1.0' (PLUS OR MINUS)
4. THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER FINANCING, OR REFINANCING ONLY AND IS NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.
5. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE 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. 21351, EXPIRATION DATE: 07/15/21.

**MILDENBERG  
BOENDER, & ASSOC., INC.**

Engineers Planners Surveyors  
7350-B Grace Drive, Columbia, MD 21044 (410) 997-0296 TEL. (410) 997-0298 FAX.

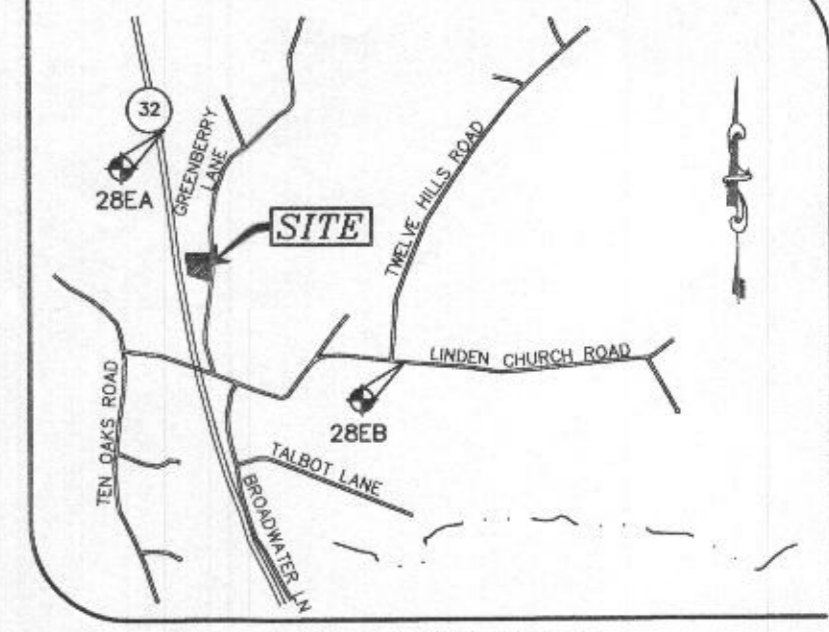
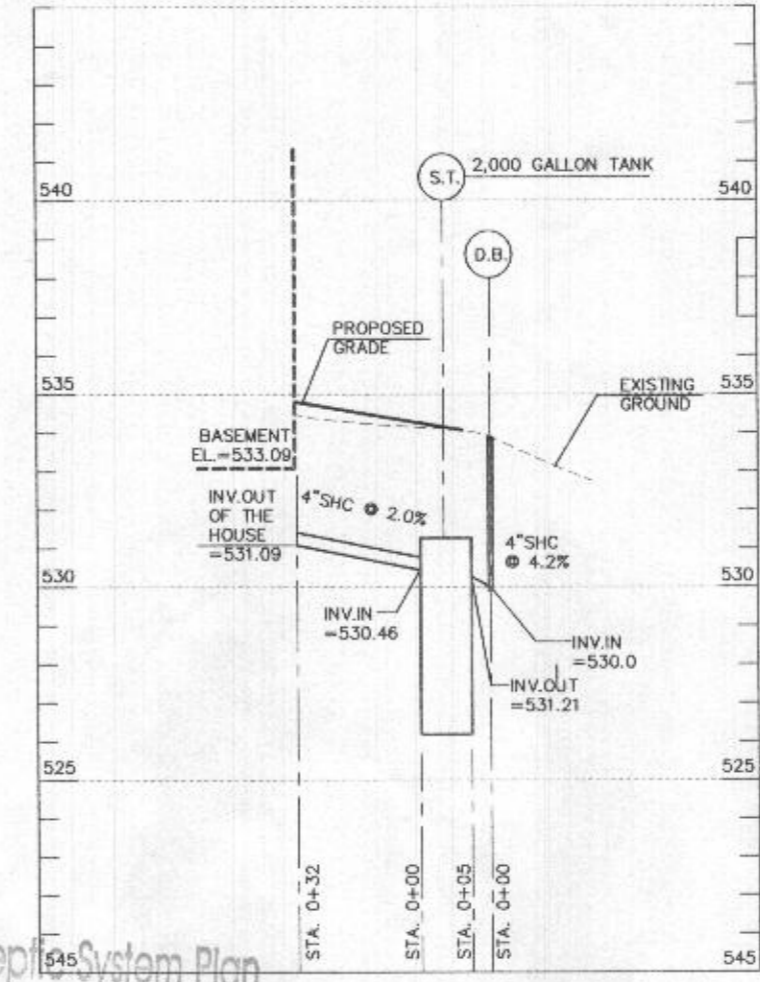
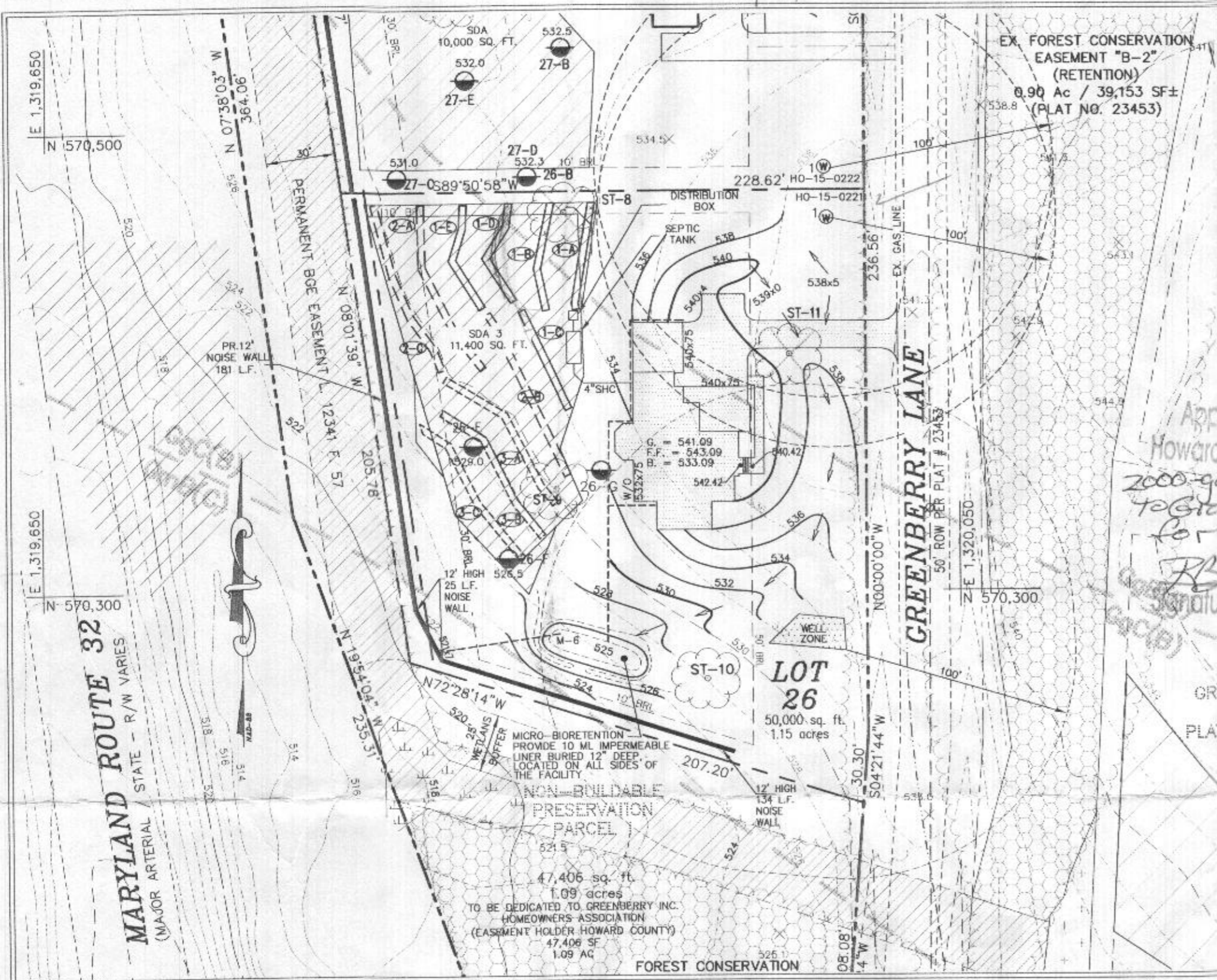


TODD M. HILL  
PROF. LAND SURVEYOR  
MARYLAND No. 21351

FOUNDATION	DATE: 03/15/21	FINAL LOCATION	DATE: N/A
DRAWN BY: MES	CHECKED BY: TMH	SCALE: 1" = 40'	
PROJECT NO.: 20-020	LOCATION DRAWING		

**SOILS TABLE**

SYMBOL	RATING	NAME	K FACTOR
GgB	(B)	GLENELG LOAM, 3-8% SLOPES.	.20
GgC	(B)	GLENELG LOAM, 8-15% SLOPES.	.20
GmB	(C)	GLENVILLE SILT LOAM, 3 TO 8% SLOPE	



**VICINITY MAP**  
SCALE: 1" = 2000'  
ADC MAP 24 GRID F6

**NOTES:**

- THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE 10/06/2013 COMPREHENSIVE ZONING PLAN.
- PARCEL BACKGROUND:**  
ADDRESS : 13025 GREENBERRY LA. CLARKSVILLE, MD 21029  
TAX MAP 28; PARCEL 48; LOT 26  
ELECTION DISTRICT : FIFTH  
DEED REFERENCE: 19168 /00240  
RECORD PLAT NO: 2614-16  
AREA : 1.15 ACRES  
TOTAL NUMBER OF UNITS : 1  
TYPE OF PROPOSED UNIT : SFD  
PROPOSED USE FOR SITE : RESIDENTIAL.
- PROJECT BOUNDARY IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT OCTOBER, 2018 BY MILDENBERG, BOENDER & ASSOC.
- TOPOGRAPHY SHOWN HERE WAS FIELD VERIFIED BY MILDENBERG, BOENDER & ASSOC. IN MAY 2020 TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
- HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM AS PROJECTED FROM HOWARD COUNTY CONTROL STATIONS NO. 28EA & 28EB  
STA. No. 28EA: N 572,158.965; E 1,319,400.682; EL. 485.012  
STA. No. 28EB: N 569,357.366; E 1,322,113.575; EL. 536.733
- 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.
- SOILS LOCATION AND CLASSIFICATION BASED ON HOWARD COUNTY GIS SOIL SURVEY
- WELL LOCATIONS SHOWN ARE BASED ON HEALTH DEPARTMENT RECORDS VERIFIED BY FIELD VISIT.
- ANY CHANGES TO THE LOCATION 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.
- ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- THE WELL (TAG # HO-15-0022) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE AREA 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
- ALL TRENCHES ARE FED BY GRAVITY FROM THE DISTRIBUTION BOX.

**ON-SITE SEWAGE DISPOSAL SYSTEM PLAN**

SCALE: 1"=50'

**SEPTIC TRENCH SIZING**

SYSTEM	APPLICATION RATE (GPD / SF)	MAXIMUM FLOW RATE (GPD)	AREA OF REQUIRED TRENCH (SF)	TRENCH WIDTH (FT)	LENGTH OF REQUIRED TRENCH (LF)	EFFECTIVE DEPTH BEGINS (FT)	TRENCH BOTTOM DEPTH (FT)	TRENCH REDUCTION FACTOR**	ADJUSTED LENGTH OF REQUIRED TRENCH (LF)	MINIMUM TRENCH SPACING (FT)	NUMBER OF TRENCHES	PROVIDED TRENCH LENGTH (FT)
PRIMARY	0.8	900	1,125	3	375	6.0	8.0	0.62	232.5	10.0	5	47
SECONDARY	0.8	900	1,125	3	375	6.0	8.0	0.62	232.5	10.0	3	78
TERTIARY	0.6	900	1,500	3	500	4.5	8.0	0.45	225.0	10.0	3	75

**SEPTIC TRENCH ELEVATIONS**

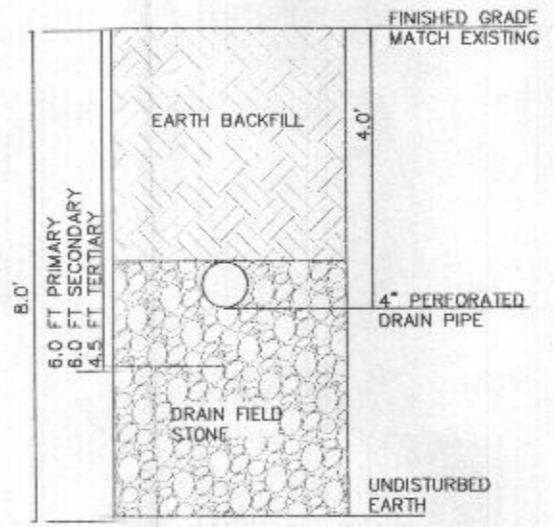
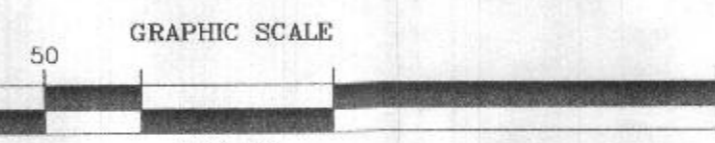
TRENCH	EX. GROUND ELEVATION	INVERT ELEVATION	BOTTOM OF TRENCH EL.
PRIMARY A	533.8	529.8	525.8
PRIMARY B	533.0	529.0	525.0
PRIMARY C	532.0	528.0	524.0
PRIMARY D	532.0	528.0	524.0
PRIMARY E	531.3	527.3	523.3
SECONDARY A	530.7	526.7	522.7
SECONDARY B	529.8	525.8	521.8
SECONDARY C	531.0	527.0	523.0
TERTIARY A	529.8	525.8	521.8
TERTIARY B	528.2	524.2	519.8
TERTIARY C	527.0	523.0	519.0

**SEWER SYSTEM ELEVATIONS**

DESCRIPTION	ELEVATION
BASEMENT ELEVATION	533.09
INVERT OUT OF HOUSE	531.09
INVERT INTO SEPTIC TANK	530.46
INVERT OUT OF SEPTIC TANK	530.21
FINISHED GRADE AT SEPTIC TANK	533.80
TOP OF THE TANK	531.29
INVERT INTO DISTRIBUTION BOX	530.0

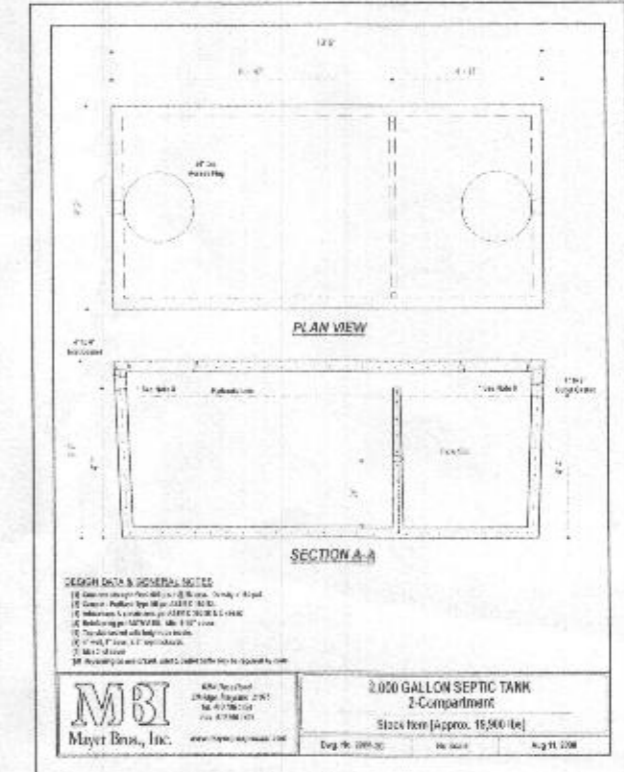
**OWNER**

NAJAF ALLY  
ELLIA RAZA ALLY  
2705 CORNET CT.  
SILVER SPRING, MA 20904



**LEGEND**

- 26-G TEST PIT LOCATION.
- W POTABLE WATER WELL
- S-B TRENCH DESIGNATION
- RESERVE POTABLE WATER WELL ZONE



APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
COUNTY HEALTH OFFICER  
HOWARD COUNTY HEALTH DEPARTMENT



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. 26859, EXP DATE 08/08/21  
DECEMBER 2020  
DATE: SAMER A. ALOMER P.E.

project	20-020	date	SEP 2020
illustration	MMM	engineering	MMM
scale	1"=50'	approval	MMM
revisions			

**GREENBERRY LOT 26**  
13025 GREENBERRY LANE, CLARKSVILLE, MD 21029  
TAX MAP 028, PARCEL 48, LOT 26  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY  
**ONSITE SEWAGE DISPOSAL SYSTEM PLAN**

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