

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: 5/6/21

ONSITE SEWAGE DISPOSAL SYSTEM

P 568894

APPROVAL DATE: 8/25/21

PERMIT: CONSTRUCTION

A _____

PROPERTY ADDRESS: 1785 Marriottsville Road

SUBDIVISION: Myers Property

LOT: 4

TAX ID: _____

CONTRACTOR: Hatfields Equipment

EMAIL: _____

CONTRACTOR ADDRESS: P.O. BOX 519, ANNAPOLIS JUNCTION, MD 20701

PHONE: 301-490-4289

PROPERTY OWNER: Riley and Stephanie Thompson

EMAIL: _____

OWNER ADDRESS: 3740 College Avenue, Ellicott City, MD 21043

PHONE: _____

SEPTIC TANK SIZE (GALLONS): 2000

TANK MANUFACTURER: Babylon Vault

PUMP MODEL: _____

PUMP SIZE _____

PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM: GRAVITY

PRESSURE DOSED

BEDROOMS: 4

APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>63.3</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: D. Bernard

ISSUE DATE: 5/6/21

EXPIRATION DATE: 5/6/22

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.

NOT TO SCALE

See diagram
on additional
Sheet

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		68'
ABSORPTION AREA		204 sq ft + sidewall
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL

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 7-20-21

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:

8/12/21 - layout not according to OSDS plan, due to contour issues onsite, laid out 2x32' trenches, discovered that the swale close to the house is deeper than noted on the plan but contractor shot w/ laser and fall will still be ok. See red line on OSDS plan. Trenches 12' CTC. (RN)

INSTALLATION: 8/25/21 SMC, St constructed, tank and d-box set. 2x39' trenches constructed. (RN)

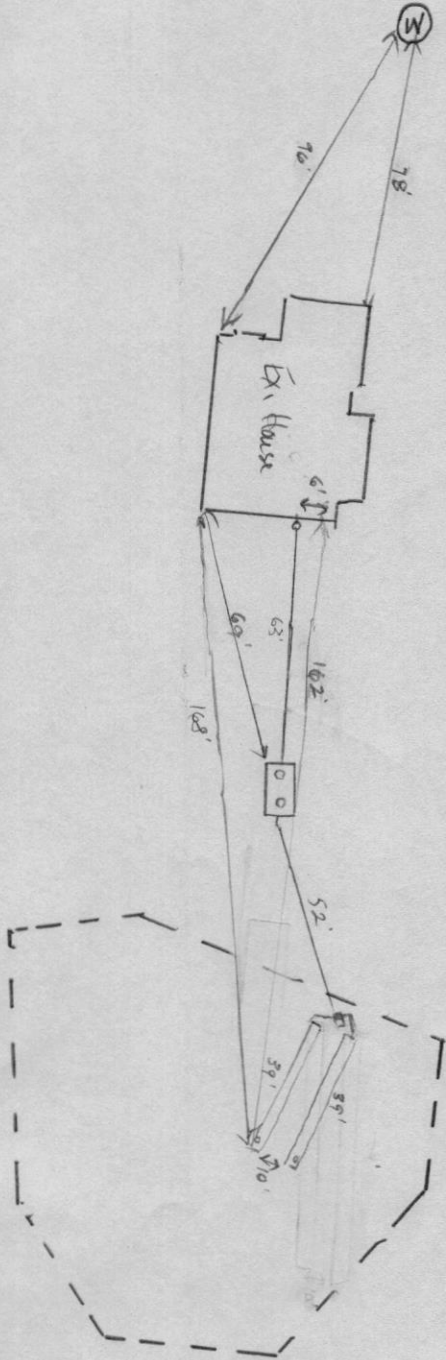
FINAL INSPECTOR

Susan Thomas

DATE OF APPROVAL

8/25/21

NOT TO SCALE (1:50)



Clerk of the Circuit Court for

Howard County

9250 Judicial Way
Ellicott City, MD 21043
410-313-2111

=====
LR - Agreement Recording Fee
1x 20.00 20.00

Name: thompson
Ref: 138

=====
LR - Agreement Surcharge
1x 40.00 40.00


=====
SubTotal: 60.00
Total: 60.00

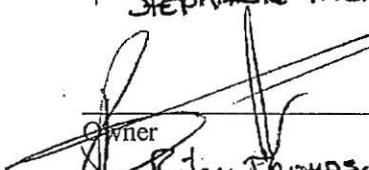
=====
CRD-Credit 60.00
Credit Card Confirmation : 07368g

10/26/2021 15:18 CC13-CH
#15565486/498/4
Thank you for visiting us today~

3. The Health Department shall issue a Certificate of Potability for the well once follow-up sampling shows acceptable gross alpha, gross beta (short and long term) and radium 226 / 228 levels.
4. The Owner agrees that there shall be no liability on part of the Health Department for any immediate or long term impacts to health or property, under any circumstance or including, but not limited to, treatment device failure, improper maintenance or installation, or defect. The Health Department does not warranty or guarantee that the device will adequately or properly function and the Owner agrees to implement and pay for any necessary changes or corrections.
5. The Owner acknowledges and agrees that neither the Health Department nor any of its agents or employees, either officially or individually, underwrites the operation of any system or treatment device.
6. This Agreement shall not be construed to limit any authority of the Health Department to protect the public health, safety or enjoyment of property or to issue any other orders to take any other action, which is now or may hereafter be within its authority.
7. This agreement contains the entire agreement and understanding between the Health Department and the Owner. There are no additional terms other than as contained in this Agreement. This Agreement may not be modified except in writing signed by each of the parties or their authorized representatives.
8. The Agreement shall run with the land and binds the Owner, his heirs, successors, and assigns. The owner agrees to provide a copy of this agreement to any purchaser or lessee of the property.
9. The laws of the State of Maryland govern the provisions of all transactions.

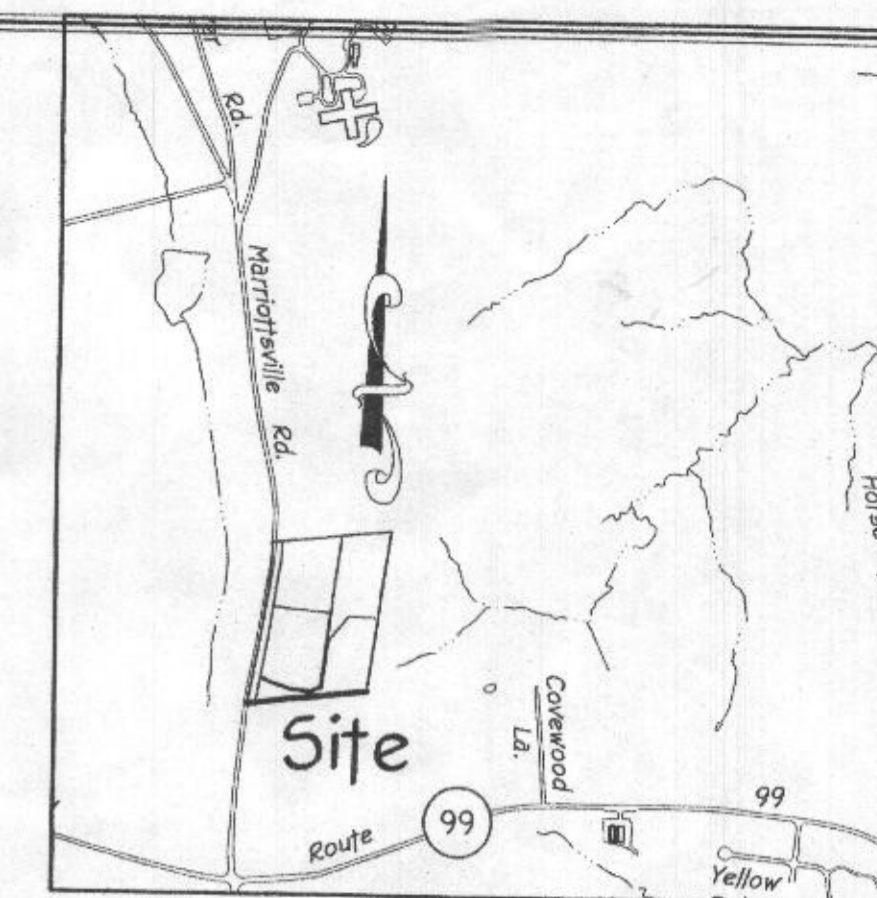
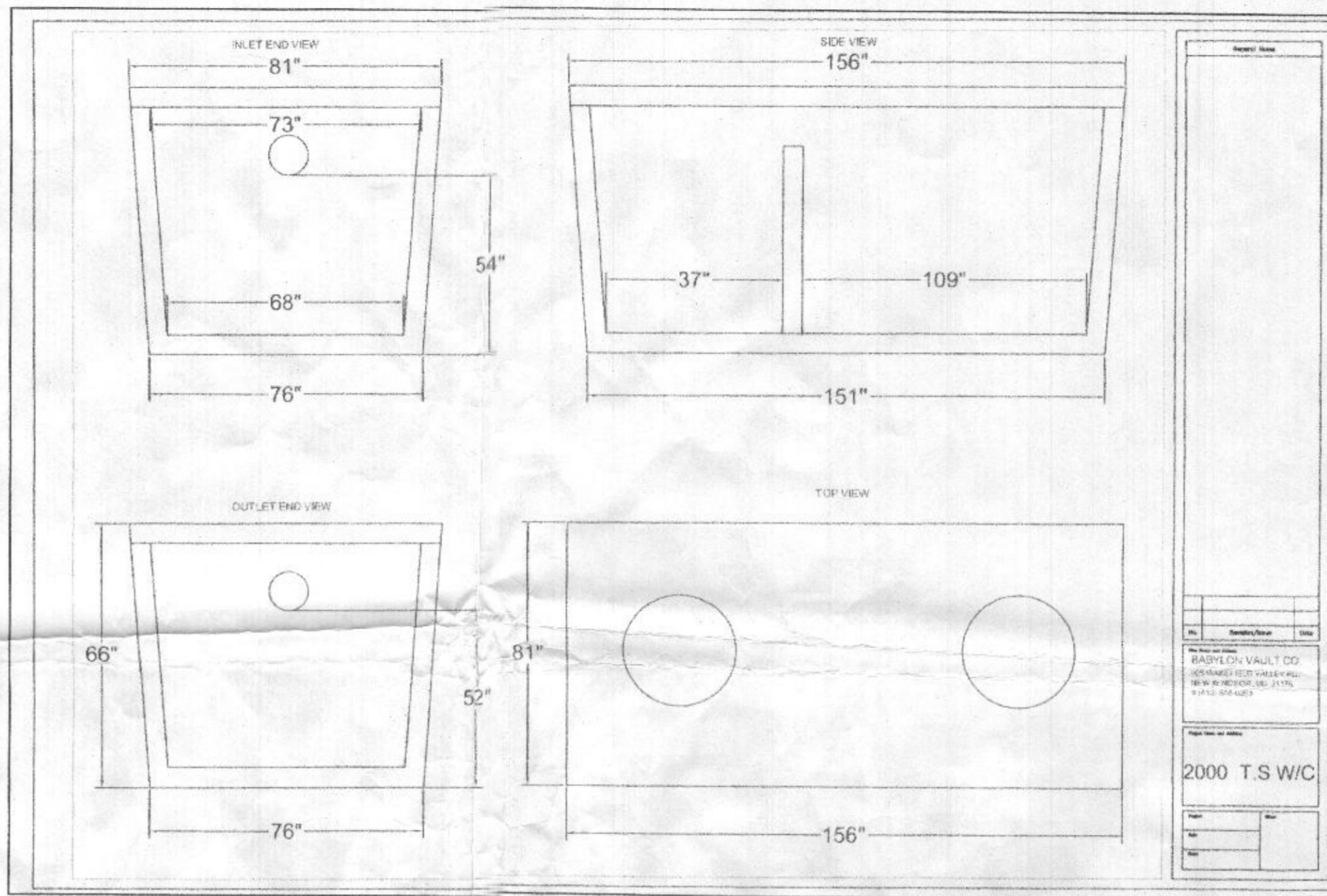
The parties have signed this Agreement on the dates set forth below.

 10/26/21
 Owner _____ Date _____
 Stephanie Thompson Buyer Date

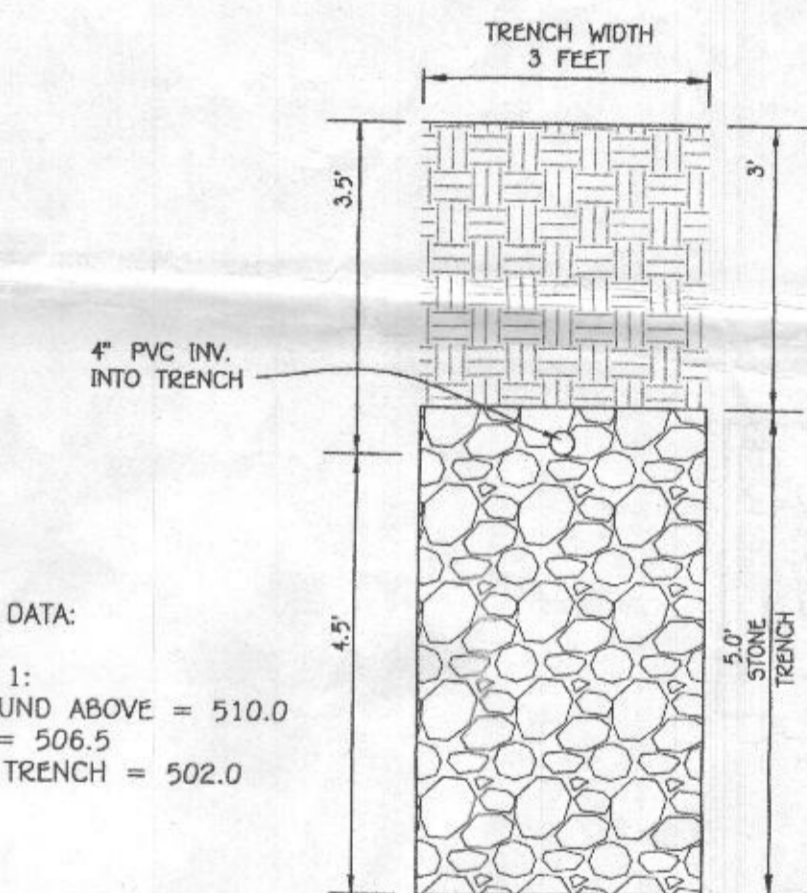
 10/26/21
 Owner _____ Date _____
 Ritey Thompson Buyer Date

 10/26/21
 Howard County Health Department _____ Date _____

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-14-0139 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.



FFE 518.68
 BSE 509.49
 INV. OUT OF HOUSE = 509.71
 PROP. GROUND AT CLEANOUT 1 = 511.8
 INV. INTO CLEANOUT 1 = 509.4
 INV. OUT OF CLEANOUT 1 = 508.76
 EX. GROUND AT SEPTIC TANK = 512.4
 PROP. GRADE ABOVE SEPTIC TANK = 511.61
 TOP OF SEPTIC TANK = 508.5
 INV. INTO SEPTIC TANK = 508.5
 INV. OUT OF SEPTIC TANK = 507.6
 EX. GROUND AT DISTRIBUTION BOX = 510.0
 INV. INTO DISTRIBUTION BOX = 506.6
 INV. OUT OF DISTRIBUTION BOX = 506.5



INITIAL SYSTEM

SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 4 BEDROOMS
 LOADING RATE = 4 BEDROOMS X 150 GPD/BEDROOM = 600 GPD
 APPLICATION RATE = 1.2
 EFFECTIVE SIDEWALL BEGINS AT 3.5 FEET
 TRENCH DEPTH = 8 FEET
 TRENCH WIDTH (W) = 3 FEET
 EFFECTIVE DEPTH (D) = 4 FEET
 SF OF DRAINFIELD = 600 GPD / 1.2 = 500 SF
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x4.5)) = 0.38
 TRENCH LENGTH = 166.67 SF x 0.5 = 63.33 FEET
 TRENCH SPACING = 2D+W = ((2x4.5) + 3) = 12' USE 12'

1ST REPLACEMENT SYSTEM

SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 4 BEDROOMS
 LOADING RATE = 4 BEDROOMS X 150 GPD/BEDROOM = 600 GPD
 APPLICATION RATE = 1.2
 EFFECTIVE SIDEWALL BEGINS AT 3.5 FEET
 TRENCH DEPTH = 8 FEET
 TRENCH WIDTH (W) = 3 FEET
 EFFECTIVE DEPTH (D) = 4 FEET
 SF OF DRAINFIELD = 600 GPD / 1.2 = 500 SF
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x4.5)) = 0.38
 TRENCH LENGTH = 166.67 SF x 0.5 = 63.33 FEET
 TRENCH SPACING = 2D+W = ((2x4.5) + 3) = 12' USE 12'

2ND REPLACEMENT SYSTEM

SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 4 BEDROOMS
 LOADING RATE = 4 BEDROOMS X 150 GPD/BEDROOM = 600 GPD
 APPLICATION RATE = 0.6
 EFFECTIVE SIDEWALL BEGINS AT 3.5 FEET
 TRENCH DEPTH = 8 FEET
 TRENCH WIDTH (W) = 3 FEET
 EFFECTIVE DEPTH (D) = 5 FEET
 SF OF DRAINFIELD = 600 GPD / 0.6 = 1000 SF
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x5)) = 0.357
 TRENCH LENGTH = 333.33 SF x 0.357 = 119.00 FEET (USE 2 TRENCHES AT 59.50 LF.)
 TRENCH SPACING = 2D+W = ((2x5) + 3) = 13' USE 13'

SEPTIC PROFILE
SCALE: 1"=30'

PLAN
SCALE: 1"=30'

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: *Michael J. Vitale*
 Date: 6/9/21
 Title: Professional Engineer

OWNER
 STEPHANE & GLEY THOMPSON
 1785 MARIOTTVILLE RD
 MARIOTTVILLE MD, 21163

GENERAL CONTRACTOR
 COLUMBIA BUILDERS, INC.
 P.O. BOX 999
 COLUMBIA, MD 21044

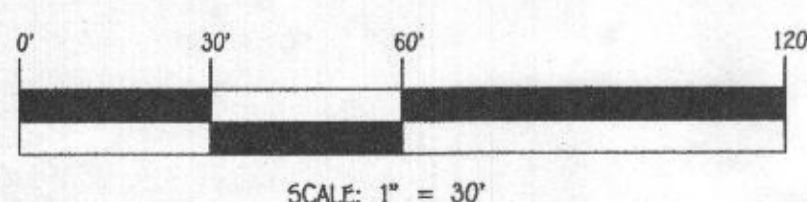
ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
4	1785 MARIOTTVILLE ROAD

Approved Septic System Plan
 Howard County Health Department
 Signature: *Donna Seaward* Date: 6-21-21
 Signature: *HBR* Date:

**SEPTIC SYSTEM
 INSTALLATION SITE PLAN**
 LOT 4
 1785 MARIOTTVILLE ROAD
 MYERS PROPERTY

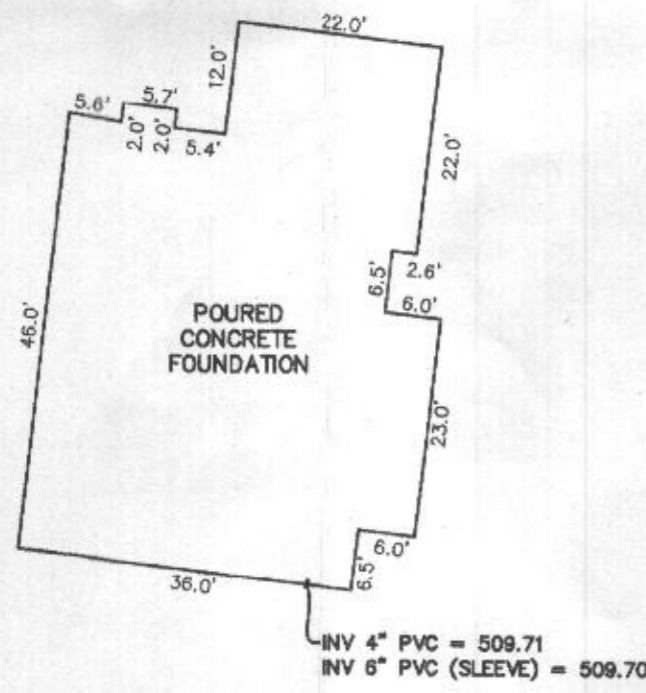
ZONED: RC-DEO
 TAX MAP NO.: 10 PARCEL NO. 32 GRID NO.: 22
 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: JUNE 10, 2021

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 1072 BALDWIN NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 410.661.8299



GENERAL NOTES:

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INSOFAR AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE X ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 24027C0060D EFFECTIVE 11/06/2013
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 1.0.'
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-NO NUMBER HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.
- 6) PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 339, EXPIRATION DATE 10/04/2022.
- 7) BUILDING PERMIT #B-20004451



Wall Check OK 525-21



Mark L. Robel
PROPERTY LINE SURVEYOR
REG. #339
DATE: 4/08/2021

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 4/6/21
FINAL LOCATION:
BOUNDARY SURVEY:
SCALE: 1"=50'
DATE: 4/8/2021
DRAWN BY: MD
CHECKED BY: MLR
PROJECT No.: 12027-6004

LOT 4
MYERS PROPERTY
LOTS 1 THRU 4,
(BEING A SUBDIVISION OF TAX MAP 10, PARCEL 32, RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 15751 AT FOLIO 176)
PLAT NOS. 23376 THRU 23379
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND