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
Facebook: www.facebook.com/hocohealth

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

RECEIPT DATE: 3-4-20 **ONSITE SEWAGE DISPOSAL SYSTEM** P 567334

APPROVAL DATE: 03/23/2020 **PERMIT: CONSTRUCTION** A

PROPERTY ADDRESS: **14285 OLD FREDERICK ROAD**

SUBDIVISION: **TAX MAP 8 , PARCEL 268** LOT: **n.a.** TAX ID: **04-324838**

CONTRACTOR: **Fogles Septic Clean Inc.** EMAIL: **kim@foglesinc.com**

CONTRACTOR ADDRESS: **580 Obrecht Road, Sykesville, MD 21784** PHONE: **410-795-5670**

PROPERTY OWNER: **VICTOR and JESSICA WHITE** EMAIL: **vwhite@hogancompanies.com**

OWNER ADDRESS: **199 BAUGHMANS LANE, FREDERICK, MD 21702** PHONE: **(443)468-6442**

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: **1.2**

TRENCHES:	LINEAR FEET REQUIRED:	95	INLET DEPTH:	3.5
	TRENCH WIDTH:	3	MAXIMUM BOTTOM DEPTH:	8.0
	MINIMUM SPACE BETWEEN TRENCHES:	12	EFFECTIVE AREA BEGINNING DEPTH:	3.5
LOCATION:	**PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.**			
NOTES:	INSTALL A CLEANOUT IN SHC BETWEEN RESIDENCE FOUNDATION AND SEPTIC TANK.			

ISSUED BY: **R BRICKER** ISSUE DATE: 3-6-20 EXPIRATION DATE: 3-4-21

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.

~~279189279189~~

NOT TO SCALE

SEE ATTACHED
AS BUILT

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM

NUMBER OF TRENCHES _____

TOTAL LENGTH _____

ABSORPTION AREA _____

DISTRIBUTION BOX LEVEL SPEED *

DISTRIBUTION BOX BAFFLE _____

DISTRIBUTION BOX PORT _____

PRE-CONSTRUCTION:

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID _____

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 _____

* COVID-19 OUTBREAK
D BOX LEVELED BY CONTRACTOR.

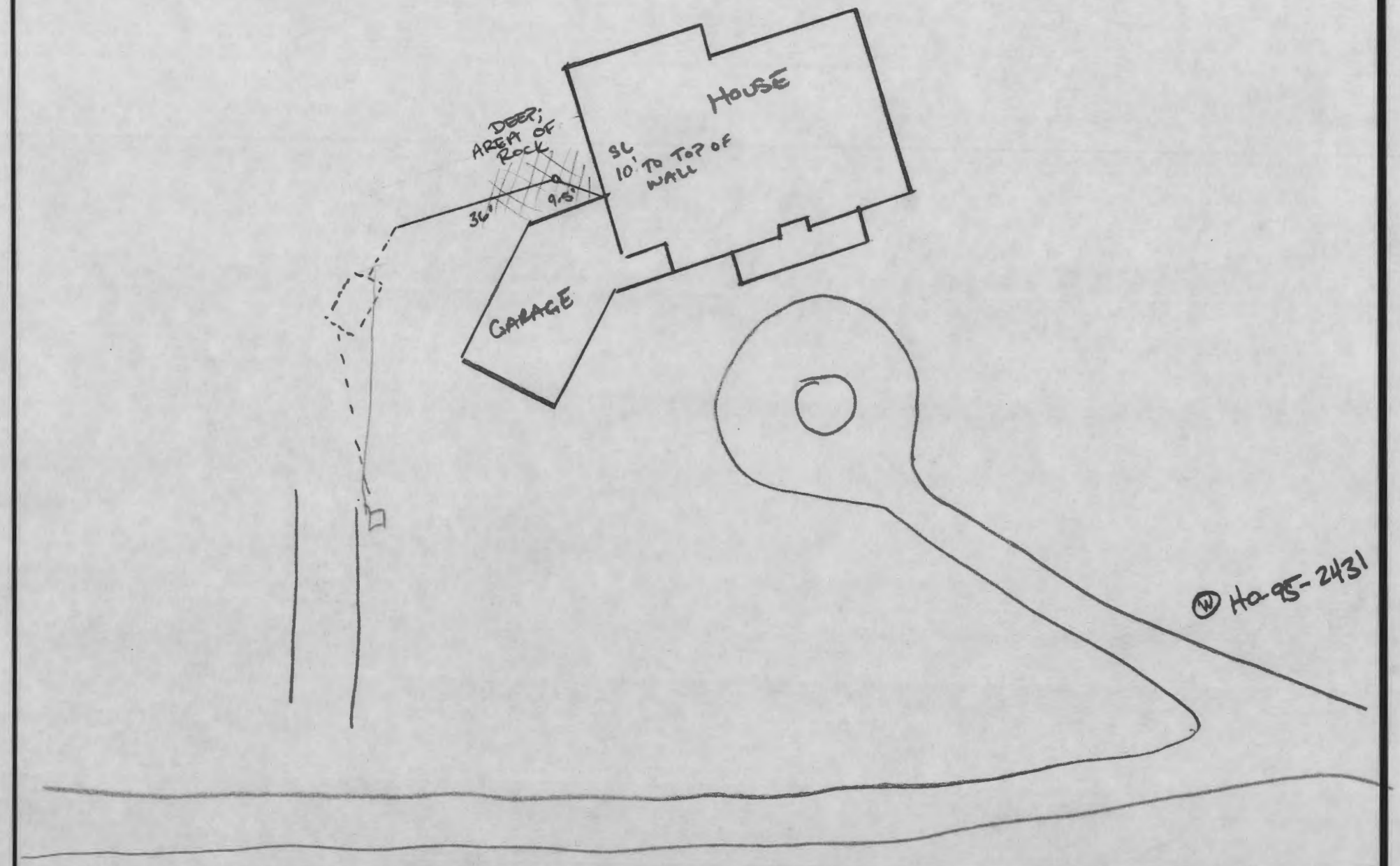
03/09/2020 TANK AND SDA STAKED. HOUSE RAISED BY ~1'. CONFIRMED CONTOUR OF 2 x 48' TRENCHES. OK TO START. (+)

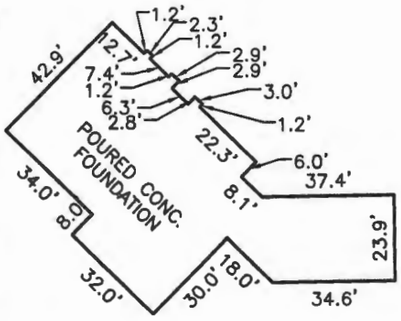
INSTALLATION: 03/18/2020 SL INSTALLED IN ROCK OUT CROP. BEDDED AND COVERED IN GRAVEL 10' BELOW TOP OF WALL. TANK FRIDAY? (+)

03/23/2020 NO INSPECTION; PHOTOS ONLY DUE TO COVID-19 OUTBREAK. OK TO BACKFILL. CONTRACTOR LEVELED D BOX W/ SPEED LEVELS (+)

FINAL INSPECTOR _____. DATE OF APPROVAL 03/23/2020 (+).

NOT TO SCALE


HOUSE
GARAGE
DEEP; AREA OF ROCK
SL
10' TO TOP OF WALL
36'
9.5'
Ⓦ Ha-95-2431



FOUNDATION DETAIL
SCALE: 1" = 50'

TOP OF FOUNDATION WALL = 577.6'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

SURVEYOR'S CERTIFICATE
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. 21320, EXPIRATION DATE 1-7-2021 AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 11/25/19.

STATE OF MARYLAND
DONALD ALAN MASON
No. 21320
PROFESSIONAL LAND SURVEYOR

Donald Mason

DONALD A. MASON
PROFESSIONAL LAND SURVEYOR
MARYLAND REG. No. 21320

11/26/19

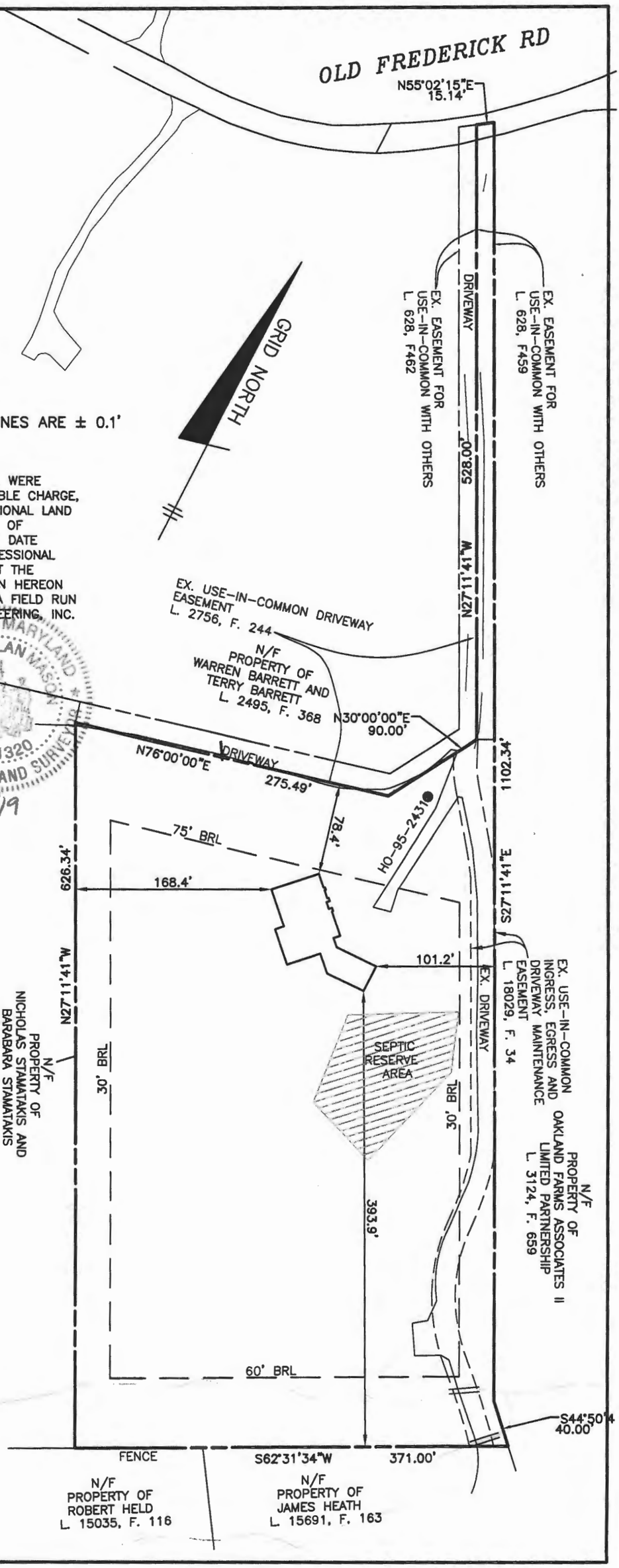
FEMA FIRM No. 24027C0035D
ZONE: X
DATED: 11/6/2013

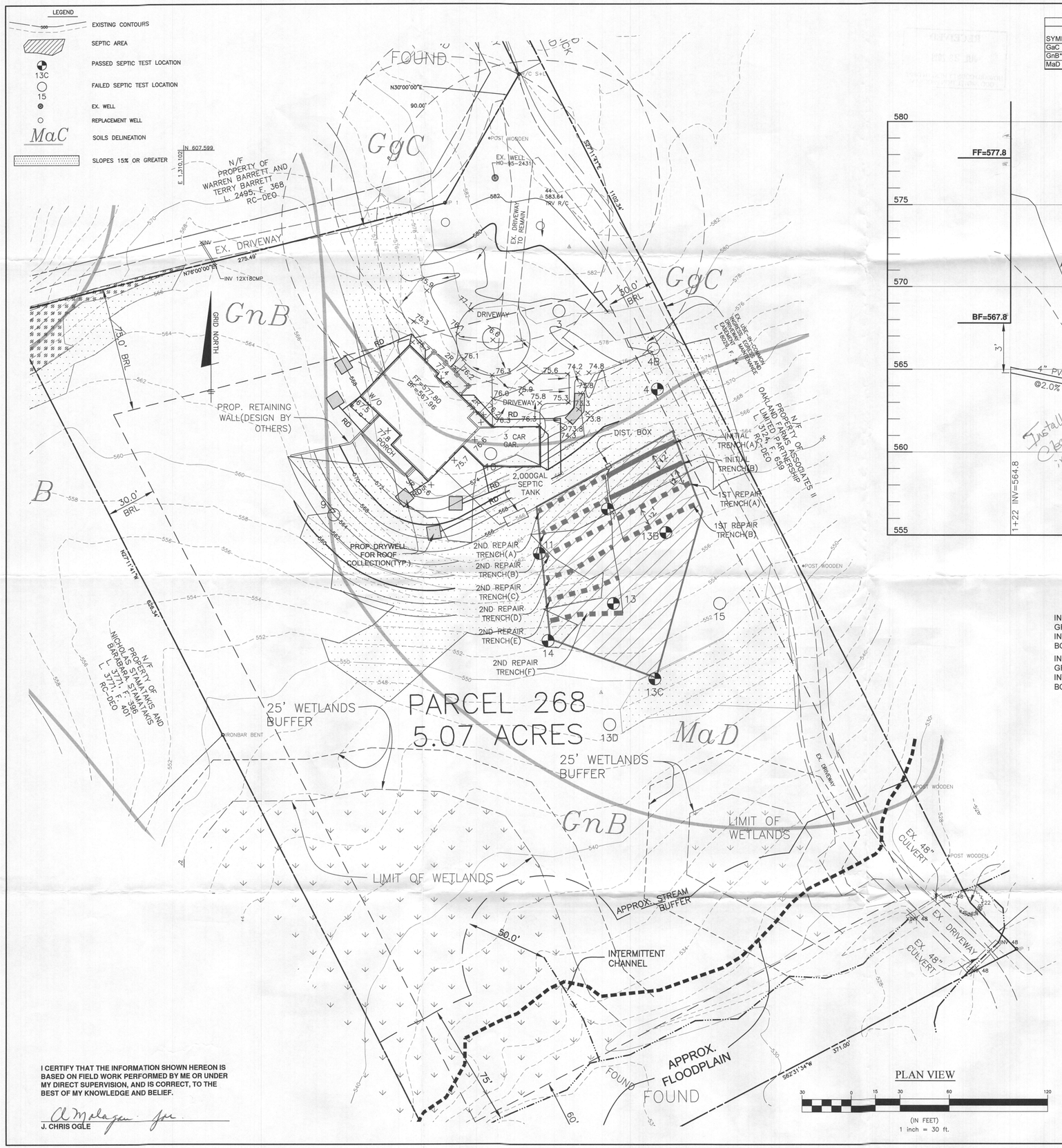
Wall Check
OK
RIT 3/6/2020

FIELD OBS. BY AS
COMP. BY DAM
DRAWN BY DAM

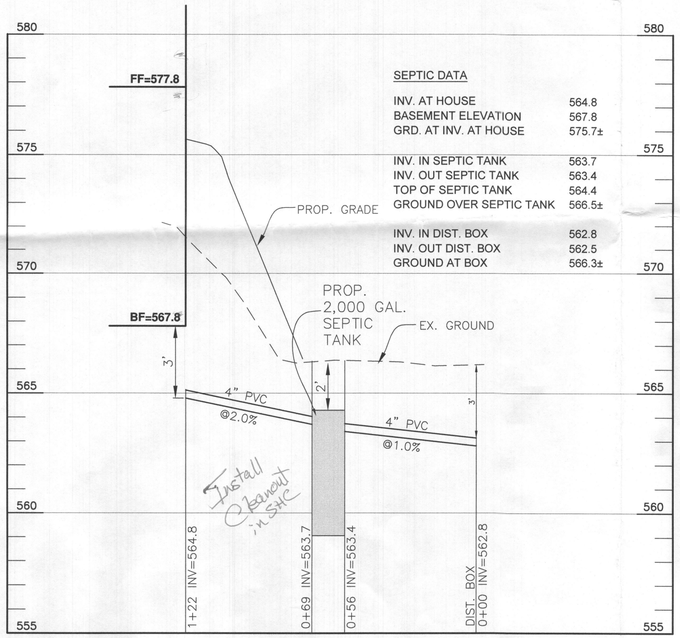
WALL CHECK
14285 OLD FREDERICK RD
TAX MAP NO. 8 PARCEL 268
L. 18282, F. 478
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' DATE: 11-26-19

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315
ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 ▲ (F) 410-465-6644
WWW.BEI-CIVILENGINEERING.COM

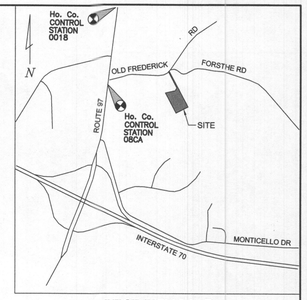




SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND					
SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME	k-VALUE
GaC		B		GAILA LOAM, 8 TO 15 PERCENT SLOPES	0.24
GnB*	YES	C	D	GLENVILLE-BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES	0.37/0.32
MaD		B		MANOR LOAM, 15 TO 25 PERCENT SLOPES	0.24



SEPTIC PROFILE
SCALE: HOR.: 1" = 30'
VERT.: 1"=3'



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES

1. THESE AREAS DESIGNATE A PRIVATE SEWAGE DISPOSAL AREA OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THESE AREAS ARE RESTRICTED UNTIL PUBLIC SEWER 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 PRIVATE SEWAGE DISPOSAL AREAS. RECORDATION OF A MODIFIED SEWAGE DISPOSAL AREA PLAT SHALL NOT BE NECESSARY.
2. THE EXISTING WELL (TAG # HO-95-2431) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. JULY 2016 AND IS ACCURATELY SHOWN.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
4. ANY CHANGES TO THE PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
5. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELL AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
6. EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
7. THE BOUNDARY IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED ON OR ABOUT APRIL 2018 BY BENCHMARK ENGINEERING, INC.
8. TOPOGRAPHY SHOWN IS BASED ON A FIELD SURVEY PREFORMED BY SHANABERGER & LANE DATED MARCH 2010. AND HOWARD COUNTY GIS.
9. ANY CHANGE 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.
10. THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.

Approved Septic System Plan
Howard County Health Department
2000-gal Septic Tank to gravity drainfield
RBrickler 7/25/19
Signature Date

INITIAL SYSTEM		
Number of Bedrooms	6	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	3.5	ft
Bottom Max Depth	8	ft
Design Flow	900	gpd
Drainage Field square footage	750	sf
Sidewall reduction credit	0.38	
Trench width	3	
Effective Area Depth	4.5	
Linear Length of trench Required	**95**	**lf**

1st REPAIR SYSTEM		
Number of Bedrooms	6	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	3.5	ft
Bottom Max Depth	8	ft
Design Flow	900	gpd
Drainage Field square footage	750	sf
Sidewall reduction credit	0.38	
Trench width	3	
Effective Area Depth	4.5	
Linear Length of trench Required	**95**	**lf**

2nd REPLACEMENT SYSTEM		
Number of Bedrooms	6	
Application Rate	0.8	gpd/sf
Effective Area Beginning Depth	1.5	ft
Bottom Max Depth	4.8	ft
Design Flow	900	gpd
Drainage Field square footage	1125	sf
Sidewall reduction credit	0.71	
Trench width	3	
Effective Area Depth	1.5	
Linear Length of trench Required	**266**	**lf**

TRENCH INFORMATION

INITIAL TRENCH LENGTH(A): 46'
GROUND ELEVATION: 565.4
INVERT ELEVATION: 561.9
BOTTOM ELEVATION: 557.4

INITIAL TRENCH LENGTH(B): 49'
GROUND ELEVATION: 563.2
INVERT ELEVATION: 559.7
BOTTOM ELEVATION: 555.2

1ST REPAIR TRENCH LENGTH(C): 48'
GROUND ELEVATION: 561.2
INVERT ELEVATION: 557.7
BOTTOM ELEVATION: 553.2

1ST REPAIR TRENCH LENGTH(B): 48'
GROUND ELEVATION: 557.7
INVERT ELEVATION: 554.2
BOTTOM ELEVATION: 549.7

2ND REPAIR TRENCH LENGTH(A): 45'
GROUND ELEVATION: 565.4
INVERT ELEVATION: 562.1
BOTTOM ELEVATION: 560.6

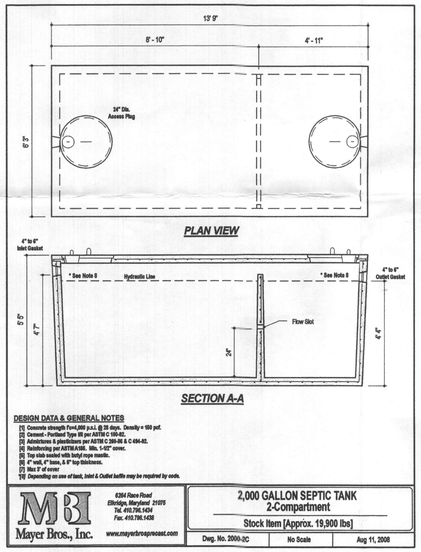
2ND REPAIR TRENCH LENGTH(B): 45'
GROUND ELEVATION: 563.0
INVERT ELEVATION: 559.7
BOTTOM ELEVATION: 558.2

2ND REPAIR TRENCH LENGTH(C): 45'
GROUND ELEVATION: 561.2
INVERT ELEVATION: 557.9
BOTTOM ELEVATION: 556.4

2ND REPAIR TRENCH LENGTH(D): 45'
GROUND ELEVATION: 559.5
INVERT ELEVATION: 556.2
BOTTOM ELEVATION: 554.7

2ND REPAIR TRENCH LENGTH(E): 45'
GROUND ELEVATION: 556.5
INVERT ELEVATION: 553.2
BOTTOM ELEVATION: 551.7

2ND REPAIR TRENCH LENGTH(F): 45'
GROUND ELEVATION: 554.7
INVERT ELEVATION: 551.4
BOTTOM ELEVATION: 549.9



I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

J. CHRIS OGLE

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315 ▲ ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644
WWW.BEI-CIVILENGINEERING.COM

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. 22397, Expiration Date: 6-30-2021.
STATE OF MARYLAND CHRISTOPHER ALAN OGLE No. 22397 PROFESSIONAL ENGINEER
7/27/19

OWNER:
VICTOR WHITE
199 BAUGHMANS LANE
FREDERICK, MARYLAND 21702
443.468.6442

DEVELOPER:
VICTOR WHITE
199 BAUGHMANS LANE
FREDERICK, MARYLAND 21702
443.468.6442

14285 OLD FREDERICK ROAD PROPERTY

TAX MAP: 8 – GRID: 17 – PARCEL: 268
ZONED: RESIDENTIAL
ELECTION DISTRICT NO. 4 – HOWARD COUNTY, MARYLAND

ONSITE SEWERAGE DISPOSAL SYSTEM DESIGN PLAN

DATE: JULY, 2019	BEI PROJECT NO. 2900
DESIGN: JCO DRAFT: JCO	SCALE: AS SHOWN SHEET 1 OF 1