



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: 7/23/19

ONSITE SEWAGE DISPOSAL SYSTEM

P 565565

APPROVAL DATE: 08/02/2019

PERMIT: CONSTRUCTION

A

PROPERTY ADDRESS: 3100 Roxbury Mill Road

SUBDIVISION:

LOT:

TAX ID:

CONTRACTOR: Fogles Septic Clean Inc.

EMAIL: kim@foglesinc.com

CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784

PHONE: 410-795-5670

PROPERTY OWNER: 3100 NW. Roxbury Mill Road Investment LLC

EMAIL:

OWNER ADDRESS: 6100 SW. 76TH Street, Miami, FL

PHONE:

SEPTIC TANK SIZE (GALLONS): 1500

TANK MANUFACTURER: MBI

PUMP MODEL:

PUMP SIZE

PUMP TANK CAPACITY:

14

DISTRIBUTION SYSTEM:



GRAVITY



PRESSURE DOSED

BEDROOMS:

14

APPLICATION RATE: 0.6

TRENCHES:	LINEAR FEET REQUIRED: 200	INLET DEPTH: 3.5
	TRENCH WIDTH: 3	MAXIMUM BOTTOM DEPTH: 8
	MINIMUM SPACE BETWEEN TRENCHES: 10	EFFECTIVE AREA BEGINNING DEPTH: 5
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Trench 1 3 & 1 4 (& 1 2 if needed) should not exceed 100'. 12 must be inspected for defects.	

ISSUED BY: Hank Oswald

ISSUE DATE: 7/23/19

EXPIRATION DATE: 7/23/20

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

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 ATTACHED
AS BUILT

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3.5'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		200 F
ABSORPTION AREA		600 SF
DISTRIBUTION BOX LEVEL		SPEED
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL YES

MANUFACTURER BABYLON

CAPACITY 1500 GAL

SEAM LOC TOP

TANK LID DEPTH 3'

BAFFLES YES

BAFFLE FILTER NO

MANHOLE LOC FRONT/BACK

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED NO

DATE ON LID 06/28/2019

PUMP/SEPTIC TANK LEVEL YES

MANUFACTURER EXISTING

CAPACITY 1000 GAL

SEAM LOC NOT TOP SEAM

TANK LID DEPTH 2.5'

BAFFLES

BAFFLE FILTER

MANHOLE LOC

6" PORT LOC INLET

WATERTIGHT TEST

SLOTTED

DATE ON LID

PRE-CONSTRUCTION:

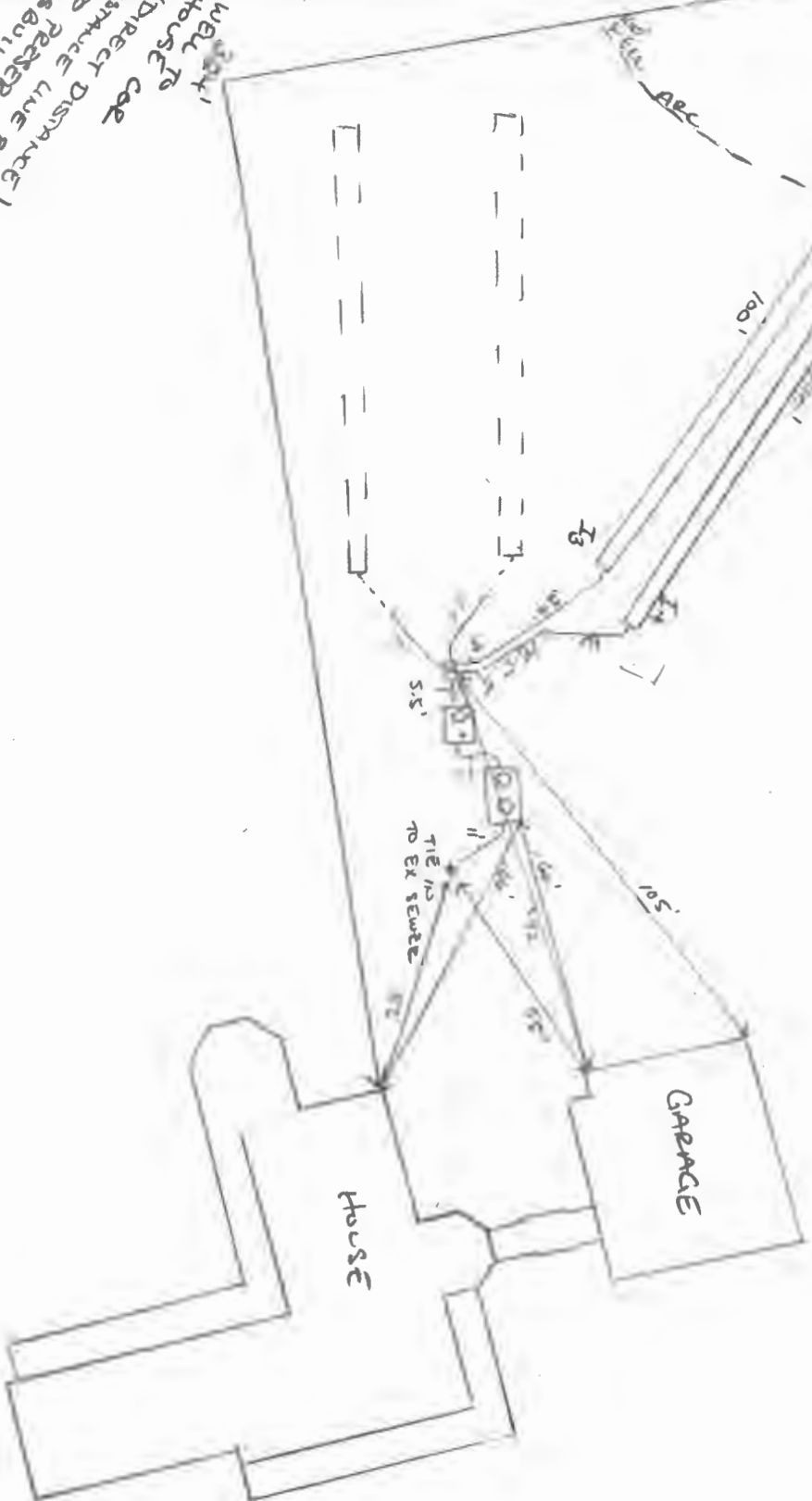
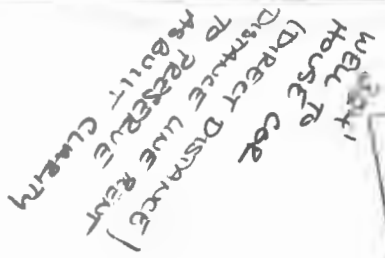
7/30/2019 TANK LAYOUT NEXT TO EXISTING TANK, BEST SIDE FOR FALL. I₃ AND I₄ CHECKED FOR CONTOUR. CONTOUR IS OK. TRENCHES MEET 100' SETBACK FROM EX WELL. REINSP. STATUS OF EX. I₂ AT TANK INSTALL (+)

INSTALLATION: 7/31/2019 INSTALLED AND CONNECTED NEW TANK EXISTING D BOX. (+) 08/01/2019 D BOX LEVELED W/ SPEED LEVELS. I₂ (EX) EXPOSED STONE APPEARS FREE FROM SIGNIFICANT BIOMAT ACCUMULATION. NO STANDING WATER VISIBLE FROM INV OF PERFORATED PIPE. DEPRESSION AT GRADE APPEARS TO BE FROM STONE DUST BACK FILL NEAR SURFACE. REPLACEMENT I₂ NOT REQUIRED AT THIS TIME. (+) 08/02/2019 TRENCHES COMPLETE. OK TO BACKFILL. (+)

FINAL INSPECTOR

DATE OF APPROVAL

08/02/2019



HOME LAND

ENVIRONMENTAL

p:443-995-5385 | info@homelandhealthyhomes.com | www.homelandhealthyhomes.com

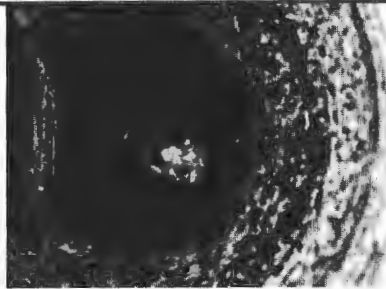
Date: 10/2/2018 Name of Evaluator: Drew Henderson Time: 10:00 Property Address: 3100 MD-97 Glenwood, MD 21738 Recent Weather Conditions: Normal		Ordered By: Lodestar Inspections Buyers: David Rezendes Homeowner Interview: The homeowner interview was not received prior to the evaluation.		Occupied: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Length of Time Vacant: ~ 1 Year # of People Living in Home: N/A # of People moving in: 14 + Property Age: 1830 System Age: 1985 & 2000 Last Date of Cleaning: Unknown Recomm'd Pumping Freq: Annually	
Liquid level in tank is: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Below Normal		Bottom Solids Depth: 10 Inches			
Depth of tank: 34 Inches		Type of Tank Access: Riser		Depth of tank access: At Grade	
Maintenance appears: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor		Depth to Distribution Box: ~40 Inches			
Effluent Filter present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Previous high liquid level: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Distance to well: 120 Feet	
Records Search: Records were received from Howard County prior to the evaluation.					
Were there any impermeable surfaces above the septic system (i.e. driveway)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Type of Tank		Tank Composition and Size		Type of Absorption System	
<input checked="" type="checkbox"/> Septic Tank (2 tanks)		<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Plastic		<input checked="" type="checkbox"/> Leaching Field <input type="checkbox"/> Raised Mound	
<input type="checkbox"/> Aeration System				<input type="checkbox"/> Drywell (Number of:) <input type="checkbox"/> Cesspool	
<input type="checkbox"/> Other:		Tank Size: 1,000 gallons (x2)		<input type="checkbox"/> Unknown:	
System Component		Condition		Comments	
Septic Tank		<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation		There are two 1,000 gallons concrete septic tanks in series. Per the county records the second septic tank was installed in 2000. Access to both tanks is a cleanout and riser at grade; the tanks are 34 inches below grade. The front and back baffles in both tanks are in place and composed of concrete. The liquid level is slightly high in the front of the first tank (above the invert of the inlet). This suggests the tank may have become un-level or the front line may have been installed too low. This is a potential future clogging point (see picture addendum). There is 5 feet of liquid depth with 16 inches of solids in the first tank indicating fair maintenance. The second tank has 5 feet of liquid depth with approximately 10 inches of solids. It is recommended that both tanks be cleaned annually due to high occupancy.	
Absorption System		<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation		Per the county records there are 2 drainfields, the second drainfield was installed in 2000. During the inspection 2 drainfields were located. Both drainfields were probed and found to be dry to a depth of at least 12 inches from the top of the stone. Approximately 500 gallons of water were introduced into the system with no sign of a backup. The older drainfield has some soil settling over the drainfield (see picture addendum).	

HOME LAND

ENVIRONMENTAL

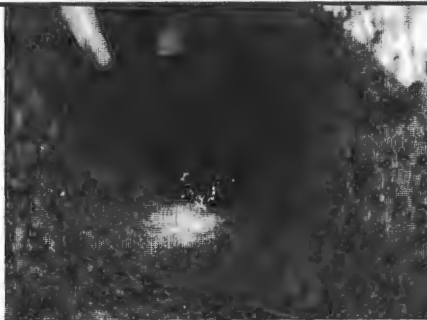
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Picture Addendum



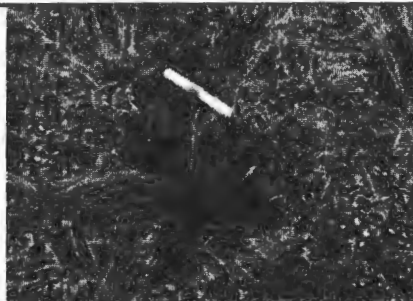
Picture 1:

Showing inside the 6 inch Clean out over the front of the first septic tank. The liquid level is slightly high in the front of the tank. No backup occurred into the front line during the hydraulic load test.



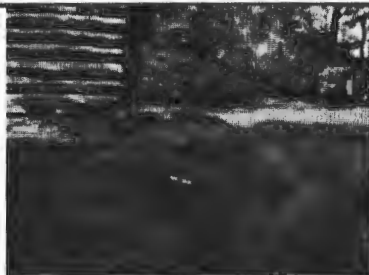
Picture 2:

Showing inside the 6 Inch Clean out on the second septic tank



Picture 3:

Showing the soil settling over the older drainfield



Picture 4:

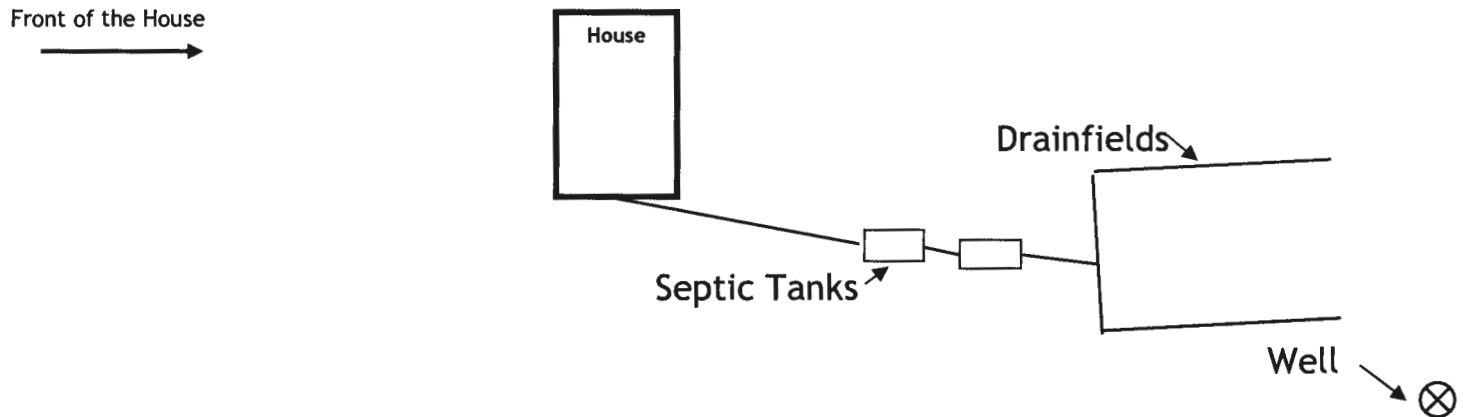
Showing the location of the older drainfield next to the old out building

HOME LAND

ENVIRONMENTAL

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Sketch of System



DISCLAIMERS

- This is a subjective and visual inspection only, the conclusions of which are based on the observed condition of the system components that could reasonably be accessed, and information known about the system at the time this report was completed. There may be unknown historical problems or unseen conditions which may compromise the conclusions stated in this report.
- Suggestions or recommendations for repairs or remediation may result in the need for further repair or remediation once the system components are fully excavated.
- A 'Satisfactory' evaluation does not mean the system will meet the local approving authority's criteria for determining compliance with state code: COMAR 26.04.02.02 D(4).
- The evaluation of the Sewage Disposal System as reported is based on the conditions observed on the day of the inspection.
- This report is neither a WARRANTY nor does it GUARANTEE continued acceptable functionality or performance of the Sewage Disposal Systems operations.
- If the house has been unoccupied the findings in this report may not be accurate, as limited or no use of the system may conceal or mask problems that may be revealed under typical sewage loading.
- If the general ground condition is excessively wet at the time of inspection, the findings in this report may not be accurate, as ground moisture may cover or hide septic effluent that may be on or near the ground surface.
- If the house is vacant or the conditions excessively wet during inspection, it is recommended that the system be reevaluated at a later date and/or alternate techniques be used to address those potential issues.
- Payment and/or use of this evaluation signify understanding and acceptances of the above clauses, as well as any noted faults with the system.

Representative's Signature:	<i>Rachel Henderson</i>	Date: 10/2/2018
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HOME LAND

ENVIR NMENTAL

03/31/2019 08:39:23

Location
3100 MD 97
Glenwood MD 21738

- notes based on
phone conv. with
Drew Henderson
4/9/19



Sunday, March 31, 2019

Camera Septic Inspection

This is a subjective and visual inspection only, based upon many unknown and unseen factors. This report does not WARRANT nor Guarantee continued functional septic system operations. Payment and/or use of this evaluation signify understanding and acceptances of the above clauses. Camera inspection was performed for the purpose of a real estate transaction. Refer to the Septic evaluation and video for additional information.

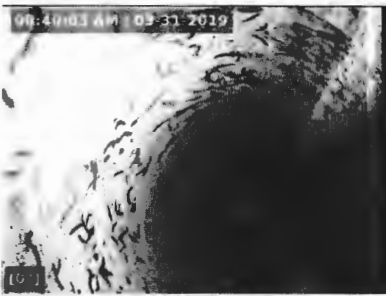


3/31/2019 8:39:36 AM

Start of video

1' 11"

- started in d-box

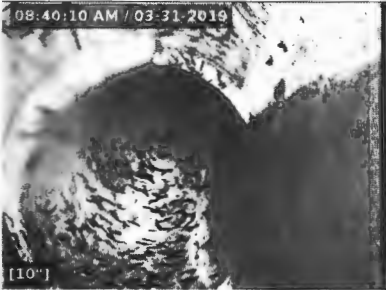


3/31/2019 8:40:03 AM

0' 0"

Inside older drainfield pipe (drainfield that had settling)

- upper pipe
- solid pipe leading to trench



3/31/2019 8:40:10 AM

0' 10"

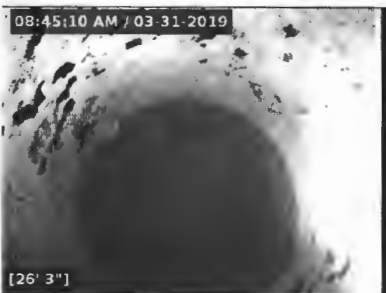
Bend in drainfield pipe



3/31/2019 8:40:41 AM

22' 9"

Bend in drainfield pipe



3/31/2019 8:45:11 AM

26' 4"

Break in drainfield pipe. The break in the drainfield pipe needs to be repaired by a licensed septic contractor. The point of the break was marked with pink spray paint and a white flag. Contractor onsite was shown where the break is.

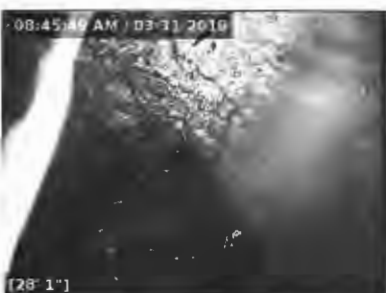


3/31/2019 8:45:27 AM

27' 7"

Break in drainfield pipe

- right at start of perf. pipe in stone



3/31/2019 8:45:50 AM

28' 2"

Break in drainfield pipe

- did not camera into perf. pipe beyond this 1st foot due to breaks- settling after this point along length of trench

08:51:10 AM / 03-31-2019

[0"]

3/31/2019 8:51:10 AM
Inside the newer drainfield.

0' -1"

08:51:31 AM / 03-31-2019

[22' 11"]

3/31/2019 8:51:32 AM
Bend in drainfield pipe

22' 11"

08:51:39 AM / 03-31-2019

[24' 2"]

3/31/2019 8:51:39 AM
Inside perforated drainfield pipe

24' 3"

08:52:50 AM / 03-31-2019

[79' 7"]

3/31/2019 8:52:51 AM
Could not push past this point in drainfield due to distance and bends in line.

79' 7"

09:06:39 AM / 03-31-2019

[0"]

3/31/2019 9:06:39 AM
Inside PVC front line from the house towards the septic tank

0' 0"

09:06:58 AM / 03-31-2019

[12' 10"]

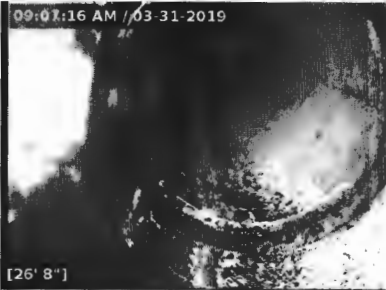
3/31/2019 9:06:58 AM
Bend in the front line

12' 11"



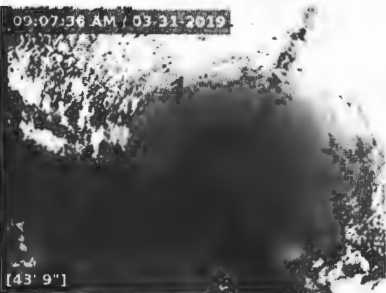
3/31/2019 9:07:07 AM
Bend in the front line

17' 5"



3/31/2019 9:07:17 AM
Bend in the front line

26' 8"



3/31/2019 9:07:37 AM
Bend in the front line

43' 9"



3/31/2019 9:07:59 AM
Y joint in the front line

58' 11"



3/31/2019 9:08:28 AM
Belly in the front line. This is a potential future clogging point.

77' 9"



3/31/2019 9:08:49 AM
Front line entering the septic tank.

81' 6"



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Dr. 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

Has the septic tank been pumped within the last month?

- ☐ Yes Date pumped: _____
- ☒ No

Was a visual inspection of the septic tank and/or drain fields conducted?

- ☐ Yes Explain observations: _____
- ☒ No

Was a visual inspection of the sewage line conducted?

- ☐ Yes Blockage leading to the tank
 - ☐ Yes Explain: _____
 - ☒ No

Blockage leading to the field

- ☐ Yes Explain: _____
- ☒ No

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 Regulation.

Septic Contractor: Fogles Septic Contractor's Phone: 410-745-5670

Contractor's Address: 580 Obrecht Rd Sykesville, Md 21781

Property Address: 3100 Roxbury Mills Rd County file: 343840

Subdivision: _____ Lot 2 Year Built: 1995

Owner's Name: 310 NW Roxbury Mills Rd Owner's Phone: _____

Name of previous owners: _____ Existing bedrooms: 3

Proposed bedrooms: 4

Has this request been previously discussed with a Sanitarian? (Name): NO

Public Sewer available/nearby: NO

*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 public sewer may be nearby, verify whether sewer is technically "available" through the Bureau of Engineering.

If sewer is available and the property is within the Metropolitan District, connection to sewer is required. If the owner believes reason for exemption exists, the owner should justify the request in writing.

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 situation exists.

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



HOWARD COUNTY HEALTH DEPARTMENT

65565

DATE 7/23/19

PS

Received From

Foyles Septic clear

PHONE #

410 795-5670

For

Septic Upgrade -

3100 Roxbury

Mill

Three hundred forty one

Dollars

☐ CASH

☒ CHECK

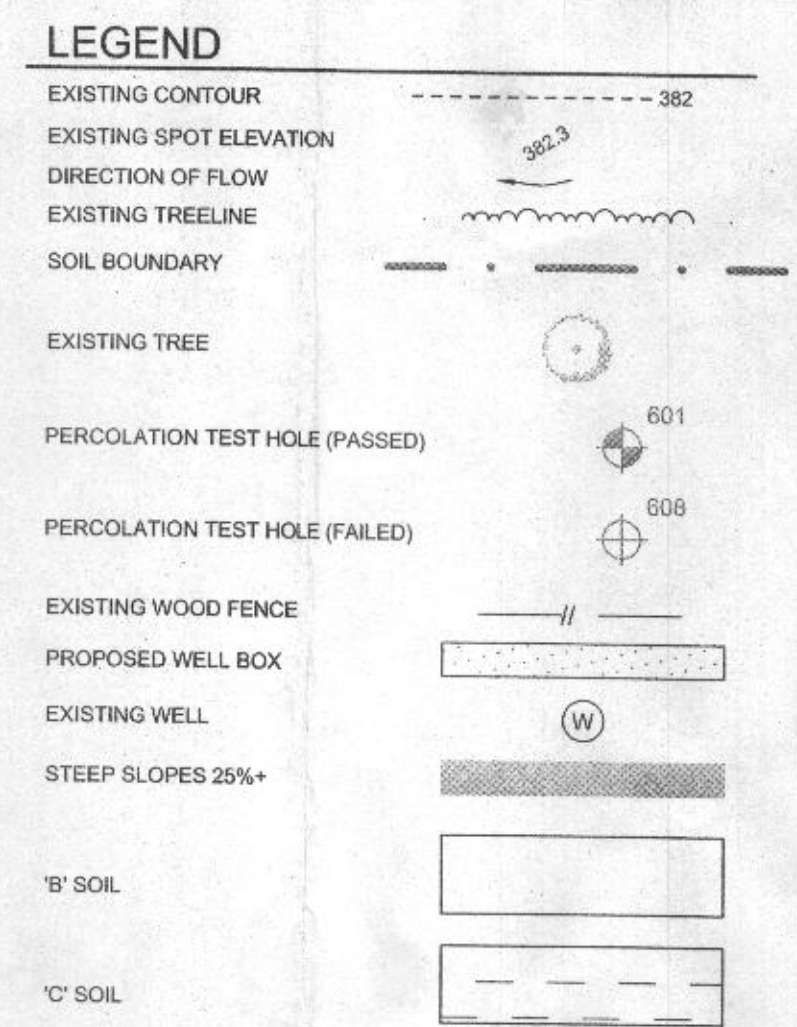
NO.

05123

\$ 341.00

Received By

J Kemp



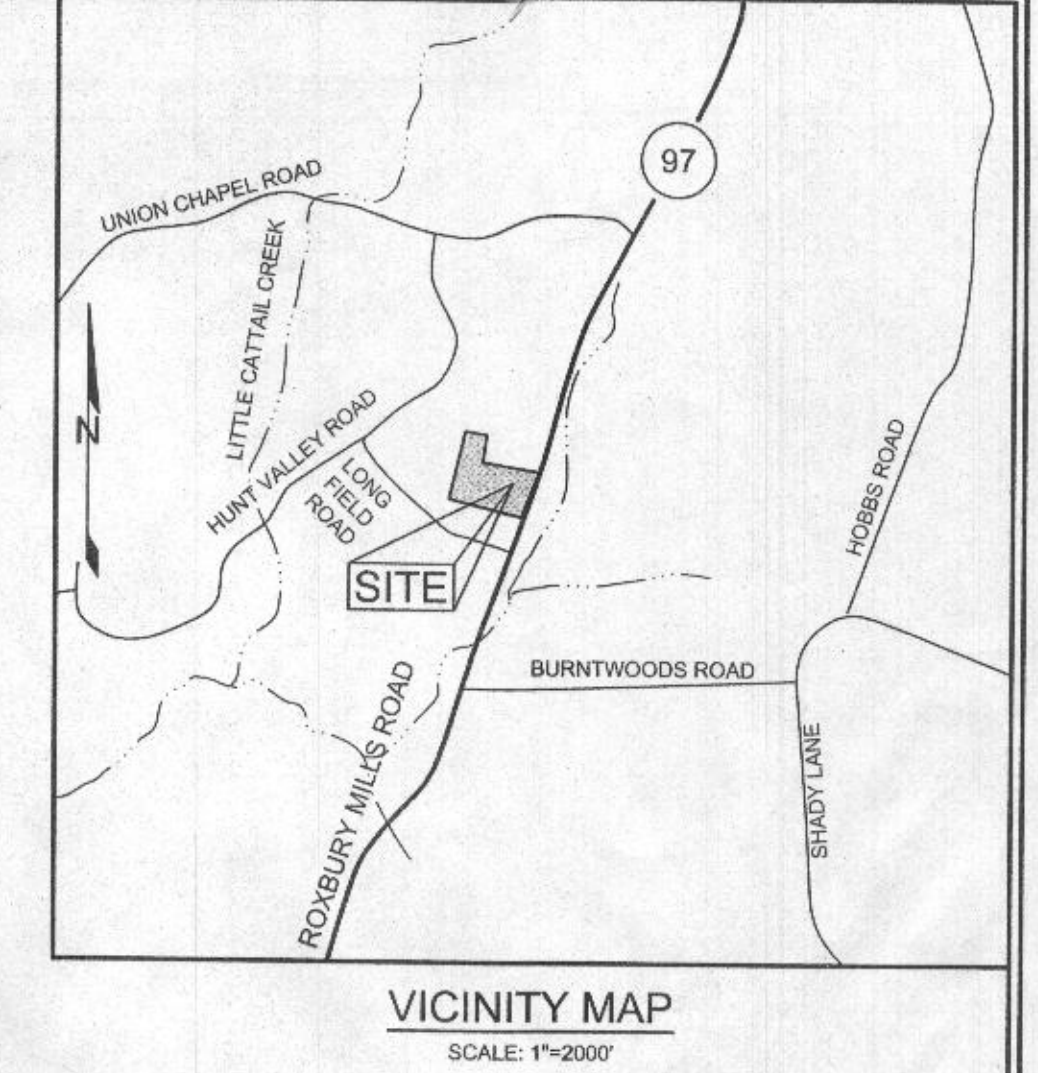
SEPTIC SYSTEM TRENCH DESIGN SPECIFICATIONS

INITIAL SYSTEM:
DESIGN FLOW:
- BEDS AT 100 GPD + EMPLOYEES AT 15 GPD
- 14X100 GPD = 1,400 GPD + 12X15 GPD 180 GPD
- 1,400 GPD + 180 GPD = 1,580 GPD
SQUARE FOOTAGE OF DRAIN FIELD REQUIRED:
- DESIGN FLOW (1,580 GPD) = 2,633 SF
APPLICATION RATE (0.6)
- THE INITIAL SYSTEM WILL UTILIZE THE TWO EXISTING TRENCHES ON SITE, WHICH ARE SIZED TO TREAT 854 GPD. THE REMAINING 726 GPD WILL BE TREATED WITH TWO NEW TRENCHES ADDED TO THE INITIAL SYSTEM.

TRENCH 13 & 14:
DESIGN FLOW:
- BEDS AT 100 GPD + EMPLOYEES AT 15 GPD
- 14X100 GPD = 1,400 GPD
- 12X15 GPD 180 GPD
- 1,400 GPD + 180 GPD = 1,580 GPD - 845 GPD = 726 GPD
SQUARE FOOTAGE OF DRAIN FIELD REQUIRED:
- DESIGN FLOW (726 GPD) = 1,210 SF
APPLICATION RATE (0.6)
SIDEWALL REDUCTION CREDIT:
- TRENCH WIDTH (W) = 3'
- TRENCH EFFECTIVE DEPTH (D) = 3'
- (W+2) / (W+1+2D) X 100 =
- (3+2) / (3+1+2*3) X 100 =
- 5/10 X 100 = 50%
LINEAR LENGTH OF TRENCH REQUIRED:
- DRAINFIELD SQUARE FOOTAGE X SIDEWALL CREDIT
- (1,210) X (50%) = 201.6
TRENCH WIDTH =
- (1,210) X (50%) = 201.6
LINEAR LENGTH OF TRENCH PROVIDED = 220 LF

REPLACEMENT SYSTEMS 11 & 12: FIVE TRENCHES AT 85':
DESIGN FLOW:
- BEDS AT 100 GPD + EMPLOYEES AT 15 GPD
- 14X100 GPD = 1,400 GPD
- 12X15 GPD 180 GPD
- 1,400 GPD + 180 GPD = 1,580 GPD
SQUARE FOOTAGE OF DRAIN FIELD REQUIRED:
- DESIGN FLOW (1,580 GPD) = 2,633 SF
APPLICATION RATE (0.6)
SIDEWALL REDUCTION CREDIT:
- TRENCH WIDTH (W) = 3'
- TRENCH EFFECTIVE DEPTH (D) = 3'
- (W+2) / (W+1+2D) X 100 =
- (3+2) / (3+1+2*3) X 100 =
- 5/10 X 100 = 50%
LINEAR LENGTH OF TRENCH REQUIRED:
- DRAINFIELD SQUARE FOOTAGE X SIDEWALL CREDIT
- (2,633) X (50%) = 439 LF
TRENCH WIDTH =
- (2,633) X (50%) = 439 LF
LINEAR LENGTH OF TRENCH PROVIDED = 445 LF

TRENCH	EX GRADE	INVERT
TRENCH 11:	53.00'	548.00'
TRENCH 12:	52.00'	547.00'
TRENCH 13:	51.50'	548.00'
TRENCH 14:	51.50'	548.00'
1ST REPLACEMENT SYSTEM		
TRENCH R1:	53.75'	551.75'
TRENCH R2:	53.50'	551.50'
TRENCH R3:	53.25'	551.25'
TRENCH R4:	53.00'	551.00'
TRENCH R5:	52.75'	550.75'
2ND REPLACEMENT SYSTEM		
TRENCH R1:	52.25'	550.25'
TRENCH R2:	52.00'	550.00'
TRENCH R3:	51.75'	549.75'
TRENCH R4:	51.50'	549.50'
TRENCH R5:	51.00'	549.00'



- ### GENERAL NOTES
- SUBJECT PROPERTY IS ZONED: RC-DEO PER THE 10/06/2013 COMPREHENSIVE ZONING PLAN.
 - TOTAL AREA OF PROPERTY = 7.840 AC ±
 - REFERENCE:
LIBER 18450, 221 FOLIO
PLAT NO. 11735
 - PROPERTY ADDRESS: 3100 ROXBURY MILLS ROAD, GLENWOOD 21738-00
 - PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
 - THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND 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. RECONSTRUCTION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
 - THE BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED BY NIT & ASSOCIATES, INC. IN OCTOBER 2018.
 - THE TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY NIT & ASSOCIATES, INC. IN OCTOBER 2018. OFFSITE TOPOGRAPHY IS BASED ON HOWARD COUNTY AERIAL TOPOGRAPHY FLOWN IN 2011 AND ARE SHOWN AT 2' CONTOUR INTERVALS.
 - THE SOILS SHOWN HAVE BEEN TAKEN FROM THE NRCS WEB SOIL SURVEY WEBSITE.
 - THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL, WHICH IS BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENTS, NUMBERS 34DMS AND 34DM7, WERE USED FOR THIS PROJECT.
 - THE LOTS 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 AREAS 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 EASEMENTS HAVE BEEN SHOWN.
 - ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - THE EXISTING WELL TAG NO. HO-81-2061 HAS BEEN FIELD LOCATED.
 - TBR = TO BE REMOVED
 - THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AND THE HOWARD COUNTY HEALTH DEPARTMENT MUST BE NOTIFIED PRIOR TO ANY WORK PERFORMED ON THE SPRING.
 - THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
 - THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
 - SEPTIC TANK TO BE THE MAYER BROTHERS 1,500 GALLON SINGLE COMPARTMENT SEPTIC TANK OR EQUIVALENT.
 - 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 ONSITE SEWAGE DISPOSAL SYSTEM PLAN MAY BE REQUIRED.
21. Trenches 13 & 14 (8.12 ft needed) should not exceed 100'.
- Approved Septic System Plan
Howard County Health Department
Mark Oswald 6/11/19
Signature Date

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	K ¹ FACTOR
GgA	GLENELG LOAM, 0 TO 3 PERCENT SLOPES	B	0.24
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	0.24
GnB	GLENVILLE-BAILE LOAM, 0 TO 8 PERCENT SLOPES	C	0.43
MmC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	0.28
MmD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B	0.28

NOTES:
1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE; NATURAL RESOURCES CONSERVATION SERVICE; WEB SOIL SURVEY.
2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR K¹ GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

ONSITE SEWAGE DISPOSAL SYSTEM PLAN

MONTE NIDO

TRUSTED INFORMATION, LOT 2
3100 ROXBURY MILLS ROAD

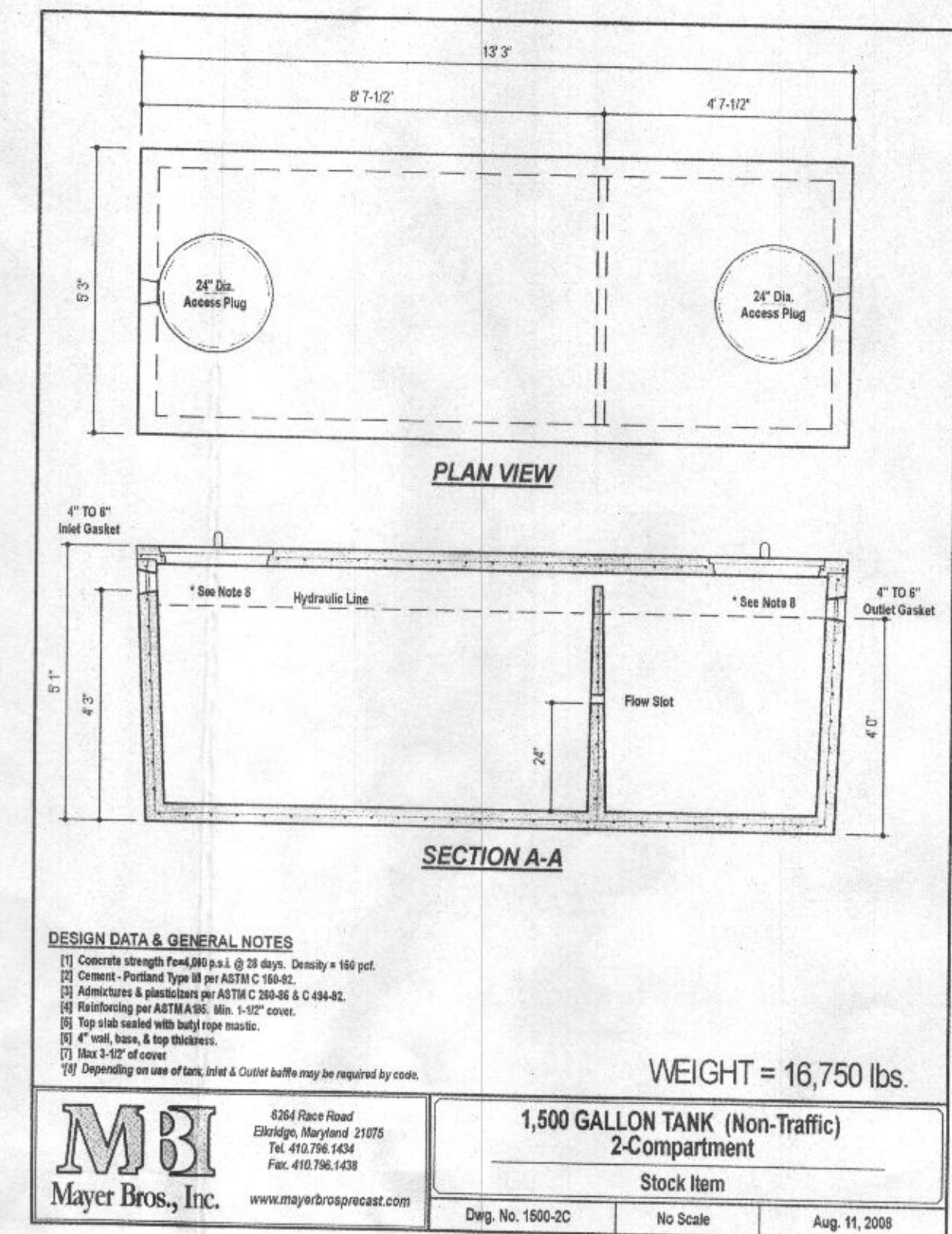
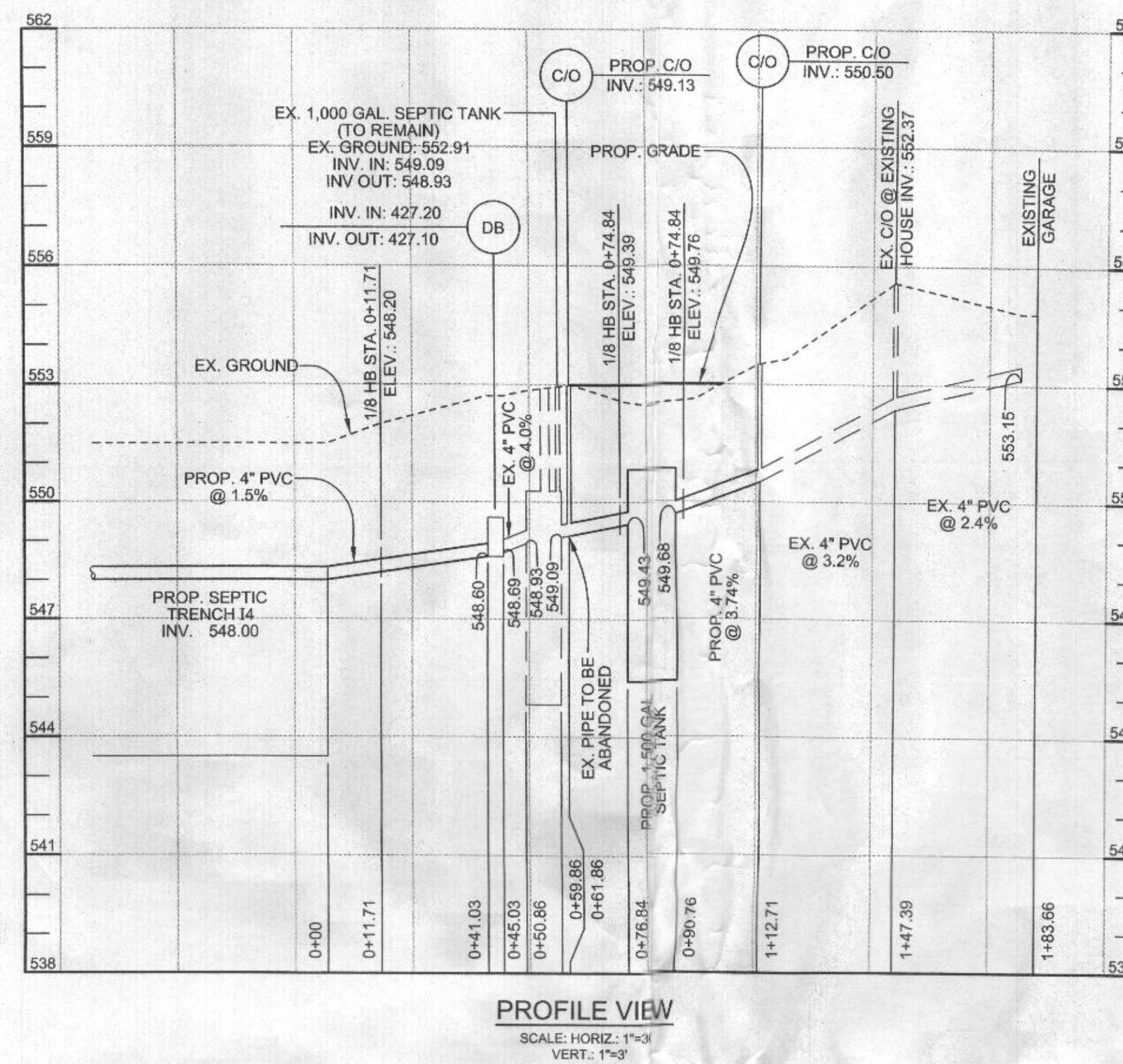
TAX MAP 14 GRID 22
4TH ELECTION DISTRICT

PARCEL 24
HOWARD COUNTY, MARYLAND

SILL ENGINEERING GROUP, LLC
11130 Dovedale Court, Suite 200
Marriottsville, Maryland 21104
Phone: 443.325.5076
Fax: 410.696.2022
Email: info@sillengineering.com
Civil Engineering for Land Development

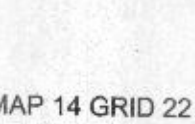
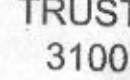
DESIGN BY: AEA
DRAWN BY: AEA
CHECKED BY: PS
SCALE: AS SHOWN
DATE: JUNE 10, 2019
PROJECT #: 18-082
SHEET #: 1 of 2

OWNER/DEVELOPER
3100 NW ROXBURY MILLS ROAD INVESTMENTS LLC.
C/O DAVID REZENDES
6100 SW 76TH STREET
MIAMI, FL 33146
1-866-964-6313



PROPOSED SEPTIC TANK DETAIL
NTS

OWNER/DEVELOPER
3100 NW ROXBURY MILLS ROAD INVESTMENTS LLC.
C/O DAVID REZENDES
6100 SW 76TH STREET
MIAMI, FL 33146
1-860-984-6311

<h1 style="margin: 0;">ONSITE SEWAGE DISPOSAL SYSTEM PROFILE AND DETAILS</h1> <h2 style="margin: 0;">MONTE NIDO</h2> <p style="margin: 0;">TRUSTED INFORMATION, LOT 2 3100 ROXBURY MILLS ROAD</p>		PARCEL 24 HOWARD COUNTY, MARYLAND
TAX MAP 14 GRID 22 4TH ELECTION DISTRICT	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 20%; text-align: center;">  </div> <div style="width: 30%; text-align: center;">  <p>SILL ENGINEERING GROUP, LLC</p> </div> <div style="width: 40%;"> <p>DESIGN BY: AEA</p> <p>DRAWN BY: AEA</p> <p>CHECKED BY: PS</p> <p>SCALE: AS SHOWN</p> <p>DATE: JUNE 10, 2019</p> <p>PROJECT #: 18-082</p> <p>SHEET #: 2 of 2</p> </div> </div>	
<p> 21310 Dovedale Court, Suite 200 Marriottsville, Maryland 21104 Phone: 443.325.5076 Fax: 410.696.2022 Email: info@sillengineering.com Civil Engineering for Land Development </p>		
<p>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. 35025, EXPIRATION DATE: JUNE 20, 2021</p>		