

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: 8/2/18 **ONSITE SEWAGE DISPOSAL SYSTEM** P 563969

APPROVAL DATE: 4/23/19 SEC **PERMIT:** **REPAIR** A _____

PROPERTY ADDRESS: 14305 Fox Creek Court

SUBDIVISION: Monticello LOT: 43 TAX ID: 04-363892

CONTRACTOR: Farm and Home Excavating EMAIL: _____

CONTRACTOR ADDRESS: 901 Driver Road, Marriottsville, MD 21104 PHONE: 410-442-2139

PROPERTY OWNER: Marco Torres EMAIL: _____

OWNER ADDRESS: 14305 Fox Creek Court, Cooksville, MD 21723 PHONE: 206-902-7562

SEPTIC TANK SIZE (GALLONS): 1250 (ex) PUMP CHAMBER CAPACITY (GALLONS): N/A PUMP SIZE: N/A

NUMBER OF BEDROOMS: 5 4 HOUSE SQ. FT. _____ APPLICATION RATE: 1.2

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: _____	INLET DEPTH: _____
	TRENCH WIDTH: _____	MAXIMUM BOTTOM DEPTH: _____
	MINIMUM SPACE BETWEEN TRENCHES: _____	EFFECTIVE AREA BEGINNING DEPTH: _____

LOCATION: **TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.**

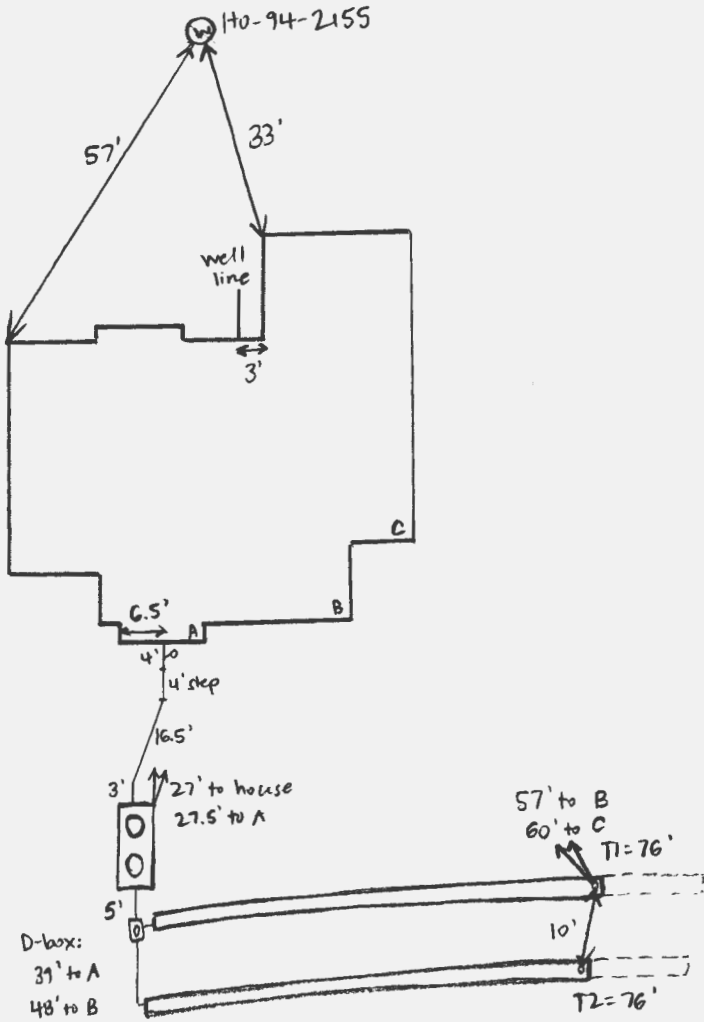
NOTES: Replace existing tank with a 1500-gallon, two-compartment, slotted tank. Pump and abandon old tank. Contractor exposed start of the first trench and found only 10' of perforated pipe. Determine if second trench also does not have enough pipe and dig up trench(es) to add perforated pipe to 90'. Add observation ports at the trench ends.

ISSUED BY: Sarah Collins ISSUE DATE: 10/18/18 EXPIRATION DATE: 10/18/18

- 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 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: **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



ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2.5'	6'
NUMBER OF TRENCHES		2
TOTAL LENGTH		152' +
ABSORPTION AREA		456' +
DISTRIBUTION BOX LEVEL		YES
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	1-1.5'
BAFFLES	REAR ✓
BAFFLE FILTER	NO
MANHOLE LOC	FRONT + REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	YES
DATE ON LID	8-17-18

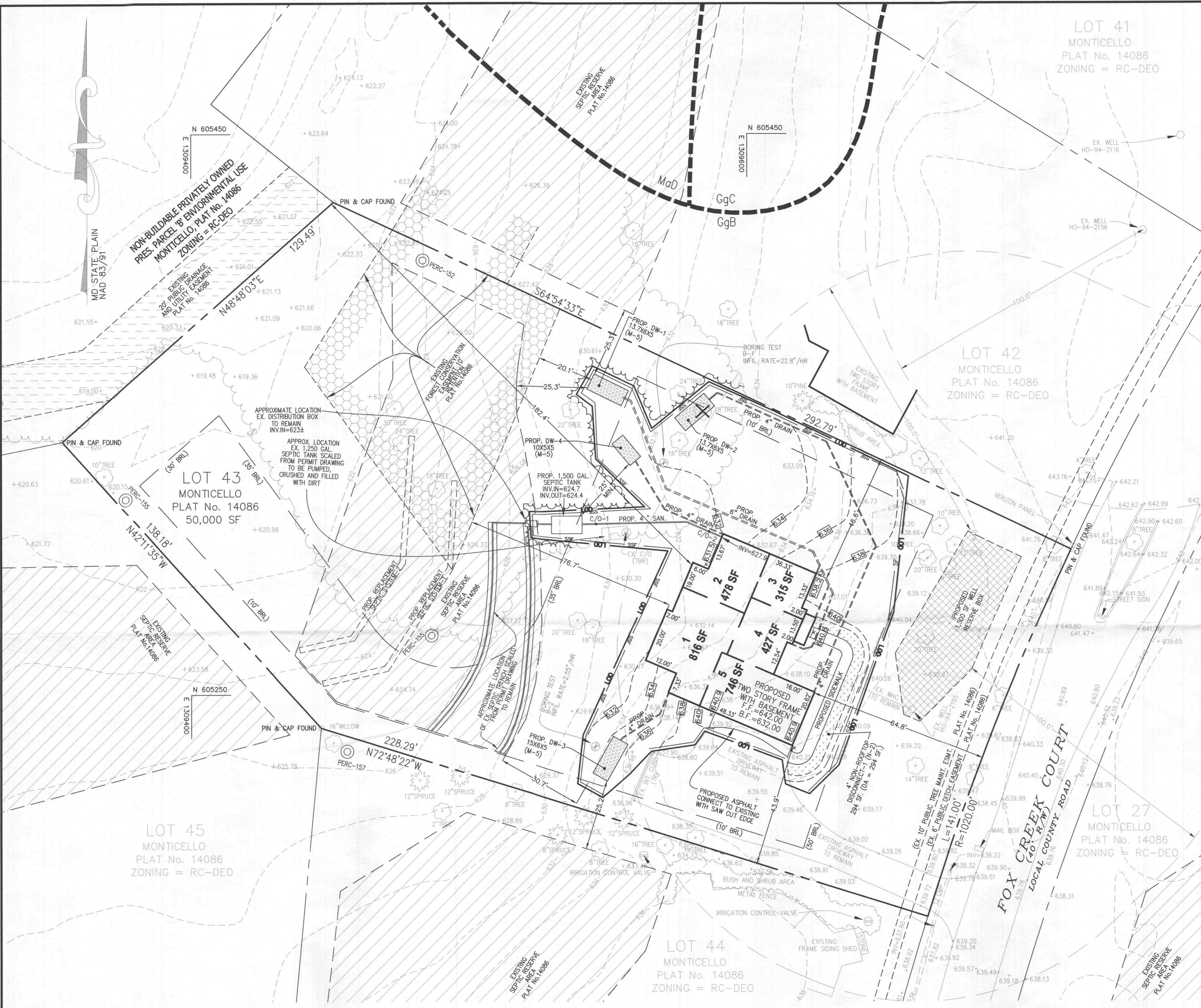
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION:

INSTALLATION: 10/18/18 New 1500-gal tank set, old tank pumped + filled with stone. Bill Ingram poured 5 gal water into the D-box and liquid came back out of the first trench into the D-box. Put small pipe into 1st trench perforated pipe and hit a blockage 12.5' out of D-box. He hand dug in that area and small pipe is visible at top of stone. No cloth or paper, perforated pipe likely only runs 10' out of D-box. He will dig up T1 end to see condition of stone + if deep enough (same for T2). (SC)

4/18/19 House connection made. Need to verify pipe in trenches. (SC) 4/23/19 Bill dug at start of trenches, only one piece of pipe in each. Dug up whole trench to trees and added perforated pipe + standpipe. Trenches continue to/past trees. Trenches 3' wide, 2' to stone. (SC)

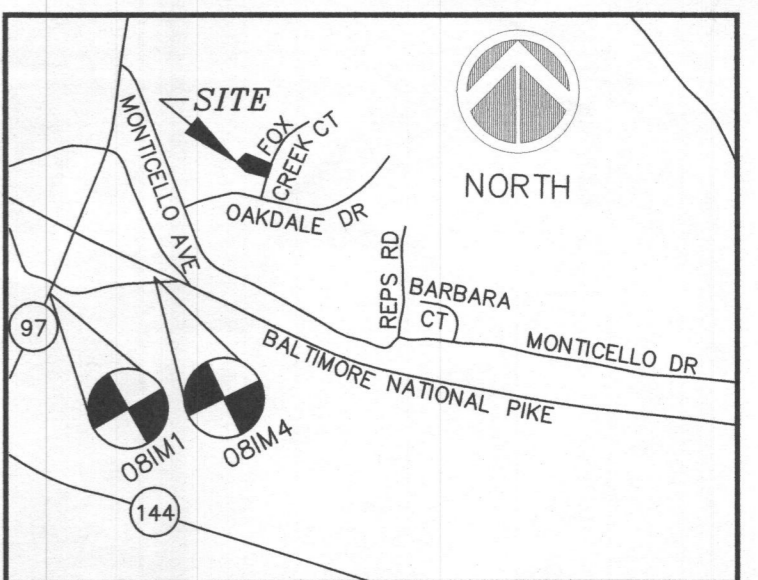
FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 4/23/19



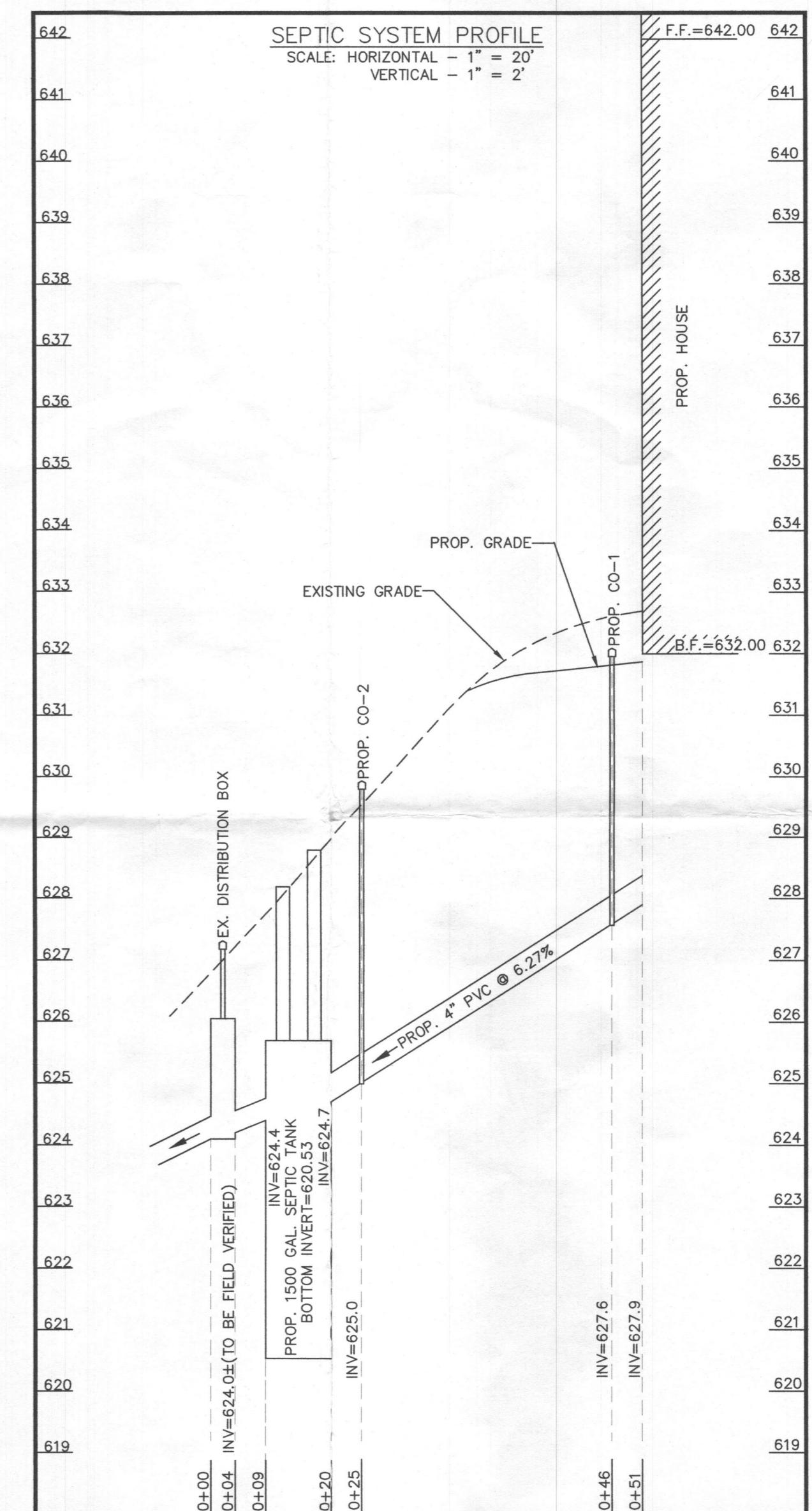
SOIL TABLE			
SYMBOL	NAME/DESCRIPTION	TYPE	HYDRIC
GgB	Glenn Loam, 3% to 8% Slopes	B	No

SEPTIC SYSTEM CALCULATIONS:
 DRAINFIELD AREA: 4 BEDROOMS AT 600 gpd / 1.2 ABSORPTION RATE=500 SQ. FT.
 SIDEWALL REDUCTION CREDIT: $\frac{WIDTH+2}{2+2} = \frac{2+2}{2+2} = 0.36$
 LENGTH OF TRENCHES: $\frac{500 \text{ SQ. FT.} \times 0.36}{2} = 90 \text{ LINEAR FEET}$
 MINIMUM TRENCH SPACING: $2(DEPTH) + WIDTH = 2(4)+2 = 10 \text{ FEET}$

- SEWAGE DISPOSAL SYSTEM NOTES:**
- 1- THE TWO PROPOSED REPLACEMENT SYSTEMS CONTAIN ONE TRENCH OF 98' LENGTH WITH MINIMUM OF 10 FOOT SPACED EACH.
 - 2- THE EXISTING DISTRIBUTION BOX AND THE ENDS OF THE EXISTING SEPTIC SYSTEM TRENCHES SHALL BE EXPOSED AND EVALUATED FOR GOOD WORKING ORDER. OBSERVATION WELLS SHALL BE INSTALLED AT THE ENDS OF THE EXISTING TRENCHES.
 - 3- ALL PROPOSED SEPTIC COMPONENTS ARE TO BE CONSTRUCTED AFTER THE EXISTING DISTRIBUTION BOX IS EXPOSED AND MEASURED FOR INVERT ELEVATION. ADJUSTMENTS SHOULD BE MADE TO INSURE SUFFICIENT POSITIVE SLOPE TOWARDS THE EXISTING DISTRIBUTION BOX.



VICINITY MAP
 SCALE: 1" = 2000'
 ADC MAP - 10
 GRID - C7



Approved Septic System Plan
 Howard County Health Department
 Mark Oswald, 8/11/18
 Signature Date

PLAN PREPARED BY:
NJR & ASSOCIATES
 Land Surveying and Planning
 2770 STATE ROUTE 32
 WEST FRIENDSHIP, MD 21794
 TEL: (240) 508-3500

REVISIONS
 1-REVISED PER 7/10/18 HD
 COMMENTS ON 7/14/18.

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE # 11049, EXPIRATION DATE: 2/10/2019.
 AUG. 14, 2018
 DATE

MISS-UTILITY NOTE:
 1. CONTACT MISS-UTILITY 72 HOURS BEFORE ANY TRENCHING,
 (800) 257 - 7777.

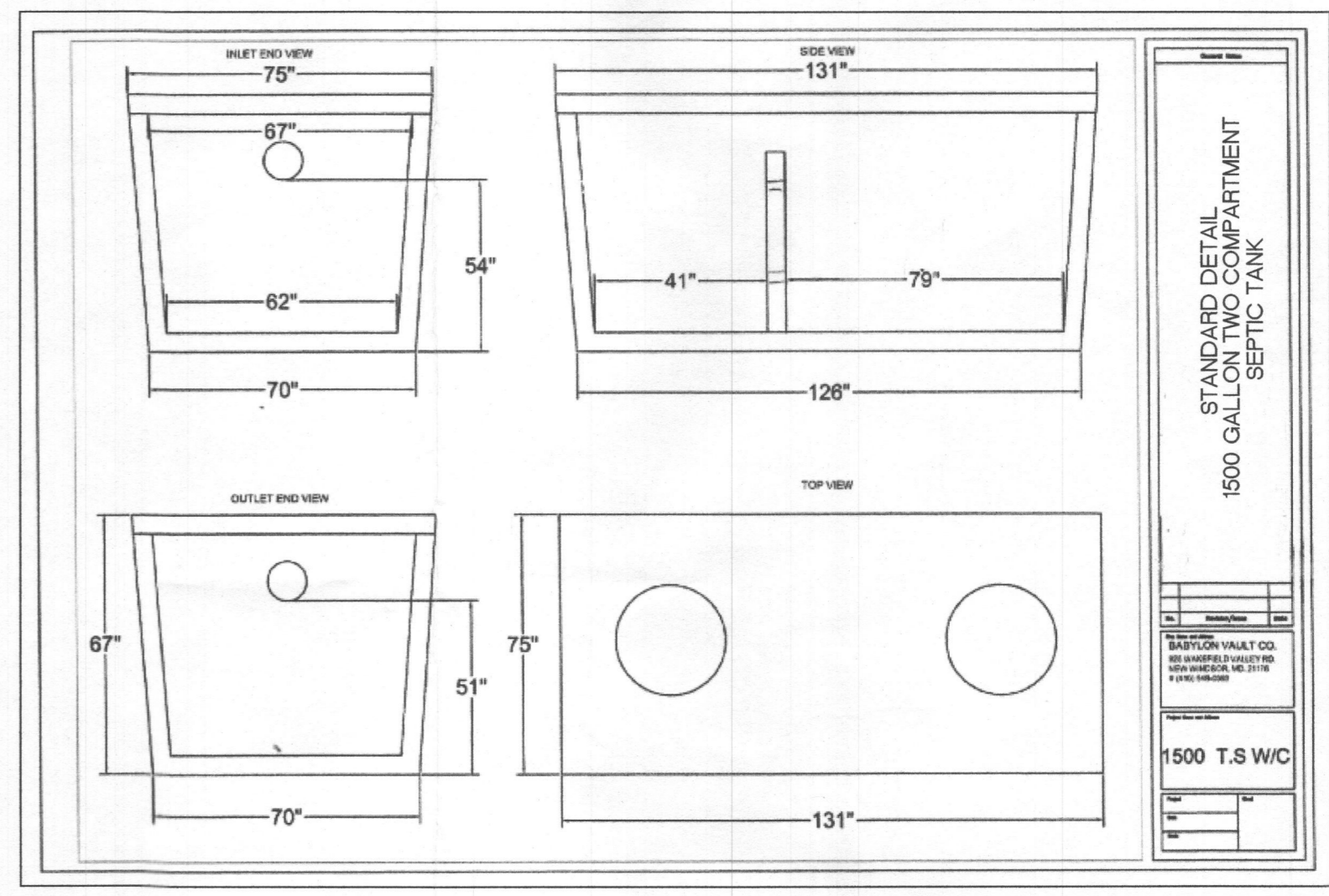
LEGEND	
	EX. PUBLIC DRAINAGE AND UTILITY EASEMENT
	EX. FOREST CONSERVATION EASEMENT
	EX. SEPTIC RESERVE AREA
	PROP. WELL RESERVE BOX
	EX. EVERGREEN TREE
	EX. DECIDUOUS TREE
	EX. DECORATIVE BUSH
	PROP. SPOT ELEVATION
	EX. CONTOUR
	EX. EDGE WOODED AREA
	PROP. SUPER SILT FENCE
	PROP. SILT FENCE
	PROP. LIMIT OF DISTURBANCE
	EX. TREE TO BE REMOVED
	EX. TREE TO REMAIN
	EX. TREE TO BE REMOVED

DEVELOPER
 CARUSO HOMES
 2120 BALDWIN AVENUE, SUITE-200
 CROFTON, MD 21144
 (301) 261-0277

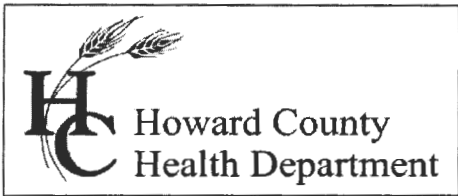
OWNER
 MARCO TORRES
 3053 MULINEAUX LANE
 ELLICOTT CITY, MD 21042
 (206) 902-7562

- GENERAL NOTES:**
- 1- ANY CHANGES 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.
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 - 7- HEALTH DEPARTMENT WILL REQUIRE TREE CLEARING INSIDE THE FOREST CONSERVATION EASEMENT IN ORDER TO MAKE REPAIRS WITHIN THE SEWAGE DISPOSAL AREA.
 - 8- THIS SURVEY IS TIED TO MARYLAND STATE PLANE NAD 83/91 COORDINATE SYSTEM AND NAVD 88 ELEVATIONS.
 - 9- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT ARE AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

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



GRAPHIC SCALE 1"=20'
 DATE: AUG. 5, 2018
 JOB NUMBER: 3457
 FILE NUMBER: 3457-SITE
 PLOTTED: AUG. 14, 2018
 DRAWN BY: NR
ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
 SHEET 1 OF 1



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 Facebook: www.facebook.com/hocohealth

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

RECEIPT DATE: 8/2/18

ONSITE SEWAGE DISPOSAL SYSTEM

P 563969

INSTALLATION APPROVAL DATE: _____

PERMIT

A _____

TANK REPLACEMENT

PROPERTY ADDRESS: 14305 Fox Creek Court

SUBDIVISION: Monticello LOT: 43 TAX ID: 04-363892

CONTRACTOR: L&A Construction Services Farm & Home Excavating EMAIL: _____

CONTRACTOR ADDRESS: 901 Driver Rd, Marriottsville, 21104 PHONE: 410 442 2139

PROPERTY OWNER: Marco Torres EMAIL: _____

OWNER ADDRESS: 14305 Fox Creek Court, Cooksville, MD 21723 PHONE: 206-902-7562

NUMBER OF BEDROOMS: _____ SEPTIC TANK SIZE: 1500g DRAINFIELD SIZE/TYPE: MF

LOCATION:	<u>Location TBD in field.</u>
NOTES:	<u>Expose Empty Tanks, D box for field ventheader w/ h.e.t.s.</u>

ISSUED BY: H. Oswald 10/12/18 ISSUE DATE: 8/2/18 EXPIRATION DATE: 8/2/19

Re-issued to Farm & Home Excavating per builder

- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
- 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 FOR INSPECTION OF SEPTIC SYSTEM.

NOT TO SCALE

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

SEPTIC TANK DATA

SEPTIC TANK I 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 _____

ROAD NAME

PRE-CONSTRUCTION:

INSTALLATION:

FINAL INSPECTOR _____ DATE OF APPROVAL _____

FLOOD INSURANCE NOTE: By graphics plotting only, this property is in ZONE "X" of the Flood Insurance Rate Map, Community Panel No. 24027C0060 D effective date of 11/06/2013. Exact designations can only be determined by an Elevation Certificate. Based on the above information, this property IS NOT in a Special Flood Hazard Area.

LOT 2
"BOYER PROPERTY"
PLAT No. 5113

LOT 7A
245,100 S.F. OR 5.6267 AC.
W.A.R. 18396/166

PATTIE OVERBY WEBB
9252/507

EX. WELL
HA-15-0046

GENERAL NOTES

The plat is a benefit to the consumer only insofar as it is required by the lender or a title insurance company or its agent in connection with contemplated transfer, financing or refinancing.

The plat is not to be relied upon for the establishment or location of fences, garages, buildings, or other existing or future improvements.

The plat does not provide for the accurate identification of property lines, but such identification may not be required for the transfer of title or securing financing or refinancing.

(ACCURACY OF SETBACKS: 1'±)

Michael V. Moskunas
Professional Land Surveyor #21175
License Expires: 6/25/2019

FOUNDATION DRAWING

#1386 DRIVER ROAD

LOT 7A TAX ACCT.#298825
TAX MAP: 10 - GRID: 10 - PARCEL: 128
DEED REFERENCE: W.A.R. 18396/166
3rd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

Scale: 1" = 50'	Date: 01/21/2019	JOB #10683
Drawn: M.V.M.	Checked: B.L.M.	SURVEY'D: M.V.M.

N 24°59'14" W 6.61'

R=380'
A=45.76'
BRG=N 28°26'15" W
CH=45.74'

MARRIOTTSVILLE ROAD
(PUBLIC RIGHT OF WAY)

N 49°56'46" W

60' B.R.L.

71.66'

30' B.R.L.

S 48°33'14" W

962.72' (N.T.S.)

N 49°47'16" E

30' B.R.L.

1087.02' (N.T.S.)

EXISTING SEPTIC

RESERVE AREA

103'±

20'

75' B.R.L.

LOT 1, SECTION 2
"DRIVER PROPERTY"
PLAT No. 3335

249.04'

S 16°04'46" E

DRIVER ROAD
(PUBLIC RIGHT OF WAY)

98'±

EXIST. PRIVATE ACCESS ROAD (ASPHALT)

#1386
CONCRETE FOUNDATION WALLS

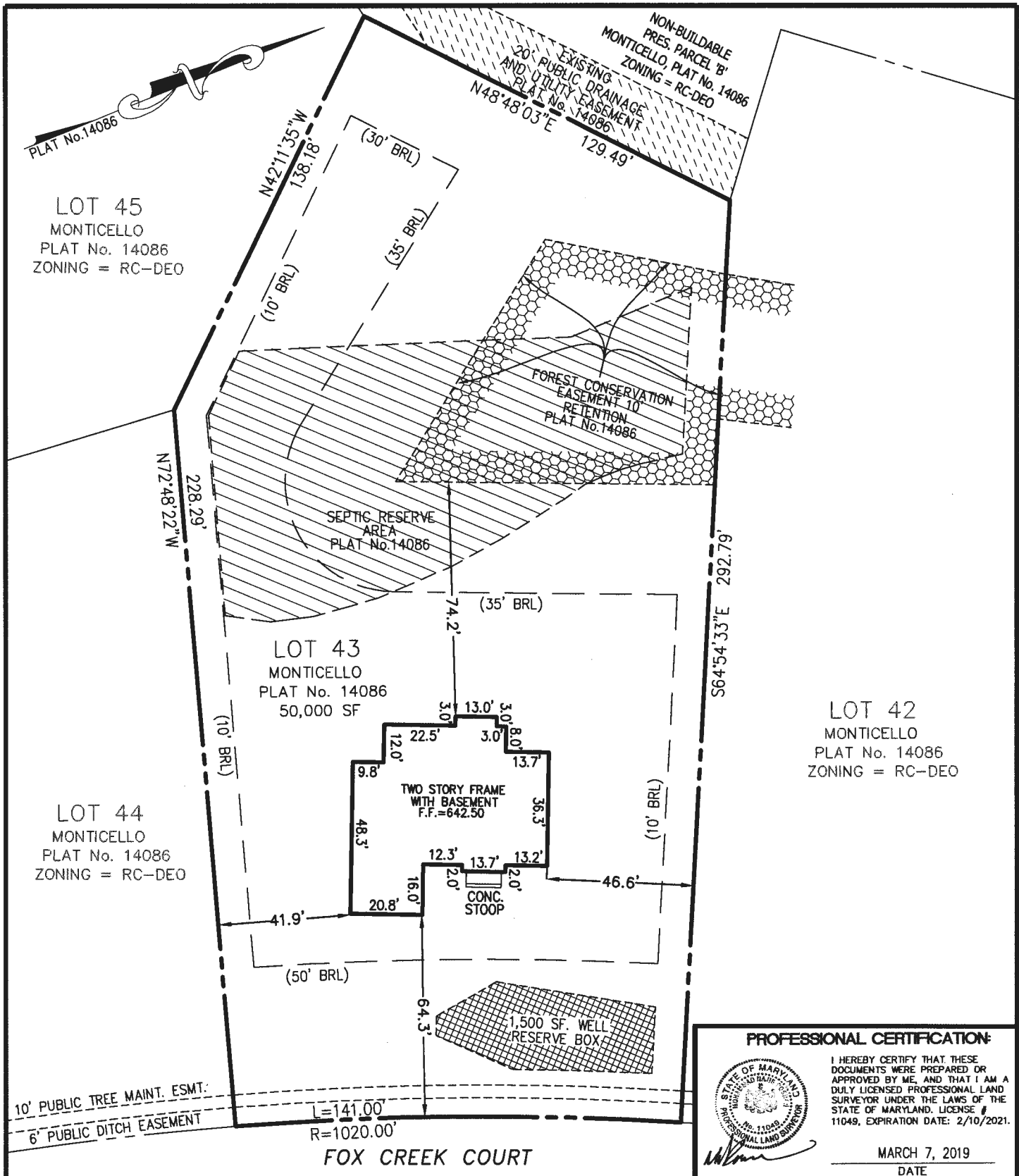
TOP OF CONCRETE FOUNDATION WALL: 5515'±

GRAPHICAL SCALE: 1" = 50'




T: (410)828-9060
F: (410)828-9066

200 E. JOPPA RD
SUITE 101
TOWSON, MD 21286



PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE # 11049, EXPIRATION DATE: 2/10/2021.



MARCH 7, 2019
DATE

WALL CHECK SURVEY
LOT 43
MONTICELLO
PLAT No. 14086
14305 FOX CREEK COURT, COOKSVILLE
TAX MAP 8, GRID 18, PARCEL 110
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DESIGNED BY: NJ
CHECKED BY: MR
SCALE: 1" = 40'
DATE: MARCH 7, 2019
PROJECT No. 3457
SHEET: 1 OF 1

PREPARED BY: 

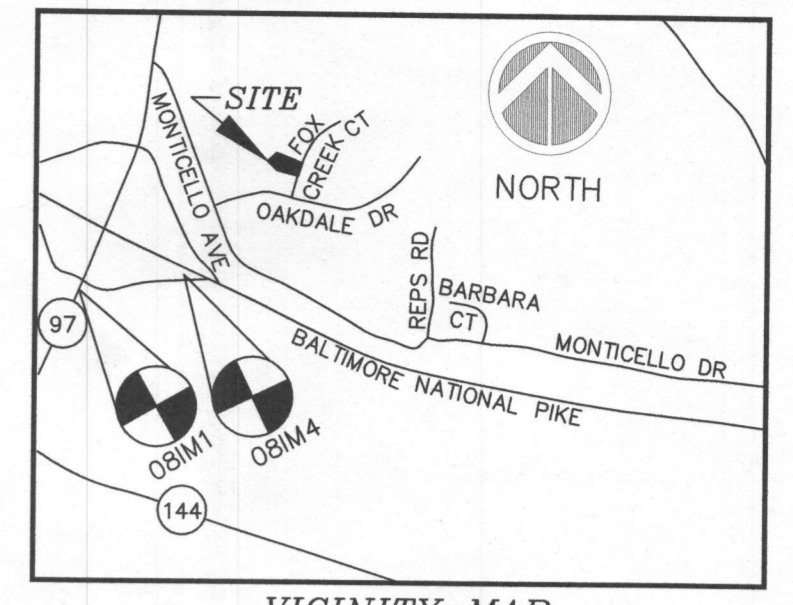
NJR & ASSOCIATES, LLC.
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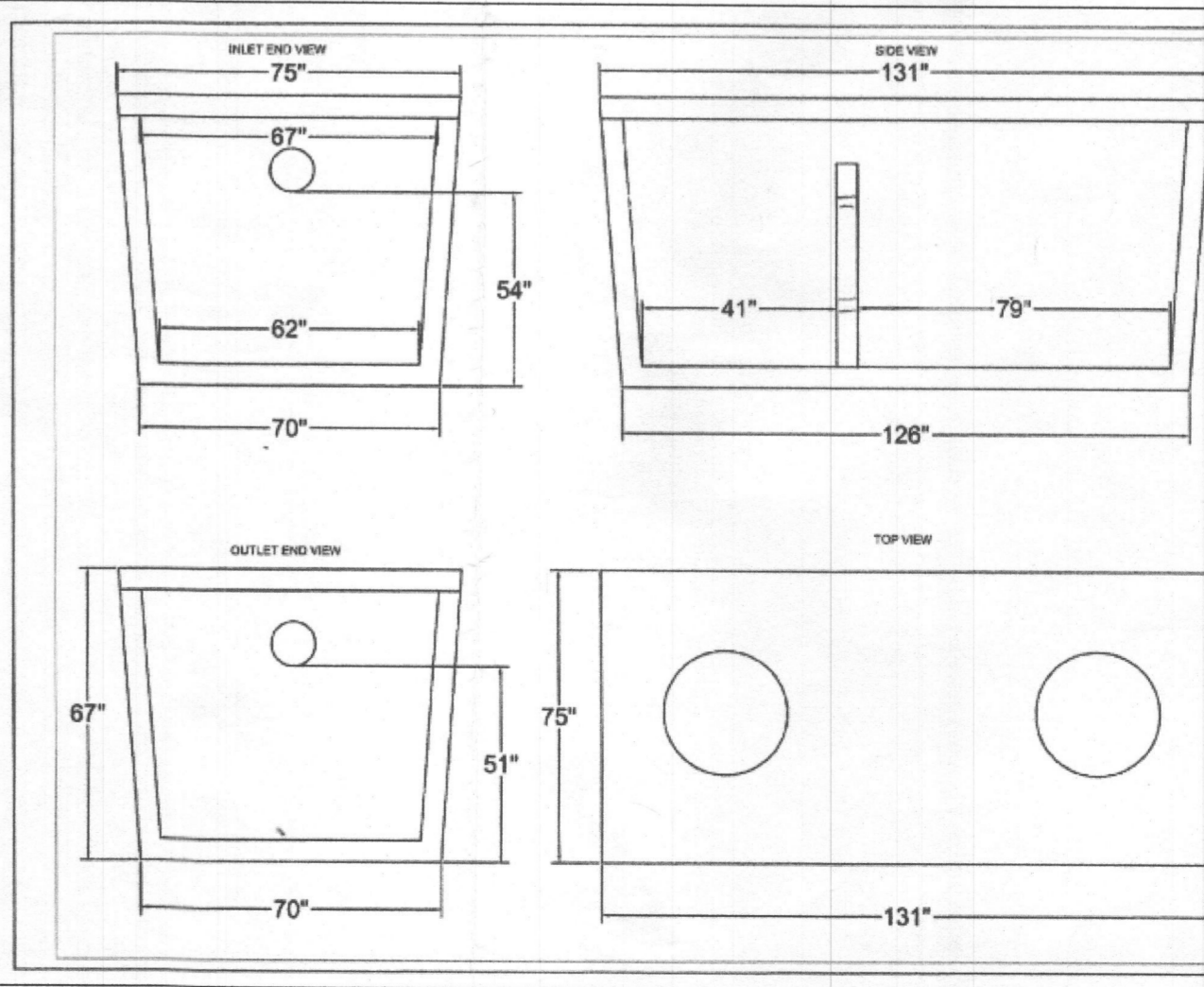
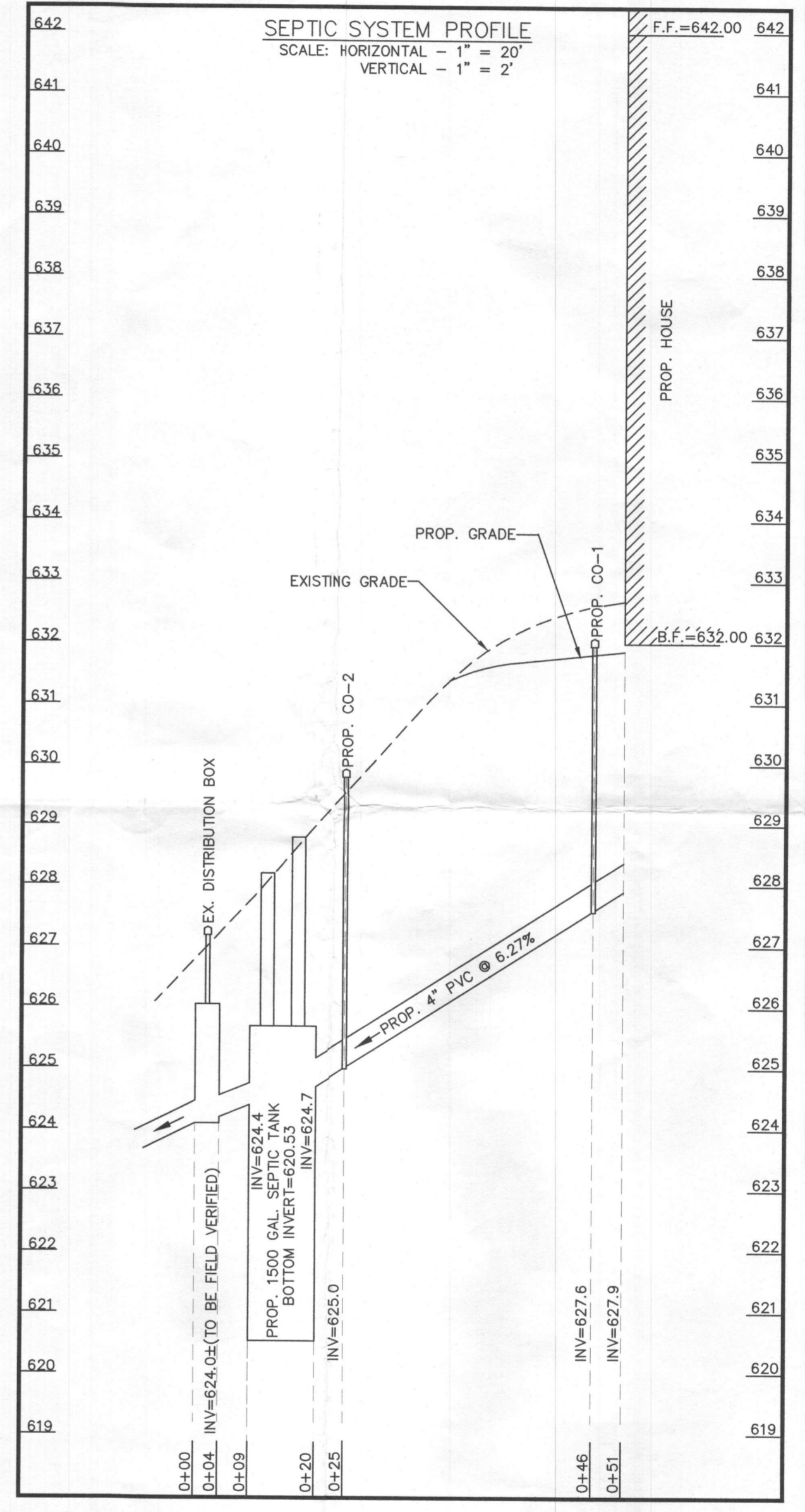
SOIL TABLE			
SYMBOL	NAME/DESCRIPTION	TYPE	HYDRIC
GgB	Glenn Loam, 3% to 8% Slopes	B	No

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 DRAINFIELD AREA: 4 BEDROOMS AT 600 gpd / 1.2 ABSORPTION RATE=500 SQ. FT.
 SIDEWALL REDUCTION CREDIT: $\frac{WIDTH+2}{2+2} = \frac{2+2}{2+2} = 0.36$
 $\frac{WIDTH+1+2(DEPTH)}{2+1+2(4)} = \frac{2+1+2(4)}{2+1+2(4)} = 0.36$
 LENGTH OF TRENCHES: $500 \text{ SQ. FT.} \times 0.36 = 90 \text{ LINEAR FEET}$
 $\frac{2}{2} = 1$
 MINIMUM TRENCH SPACING= 2(DEPTH) + WIDTH = 2(4)+2 = 10 FEET

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VICINITY MAP
 SCALE: 1" = 2000'
 ADC MAP - 10
 GRID - C7



Approved Septic System Plan
 Howard County Health Department
 Hank Osawa & J. J. B. Dora
 Signature

MONTICELLO
 LOT 43
 PLAT No. 14086
 14305 FOX CREEK COURT, COOKSVILLE
 TAX MAP 8, GRID 18, PARCEL 110
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 ZONING = RC-DEO

PLAN PREPARED BY:
NJR & ASSOCIATES
 Land Surveying and Planning
 2770 STATE ROUTE 92
 WEST FRIENDSHIP, MD 21794
 TEL. (240) 608-3200

REVISIONS
 1-REVISED PER 7/10/18 HD
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 JOB NUMBER: 3457
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 DRAWN BY: NR
ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
 SHEET 1 OF 1

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LEGEND	
[Symbol]	EX. EVERGREEN TREE
[Symbol]	EX. DECIDUOUS TREE
[Symbol]	EX. DECORATIVE BUSH
[Symbol]	PROP. SPOT ELEVATION
[Symbol]	EX. CONTOUR
[Symbol]	PROP. CONTOUR
[Symbol]	EX. EDGE WOODED AREA
[Symbol]	PROP. EDGE WOODED AREA
[Symbol]	PROP. SUPER SILT FENCE
[Symbol]	PROP. SILT FENCE
[Symbol]	PROP. LIMIT OF DISTURBANCE
[Symbol]	EX. TREE TO BE REMOVED
(TR)	DENOTES (TO REMAIN)
(TBR)	DENOTES (TO BE REMOVED)
[Symbol]	EX. PUBLIC DRAINAGE AND UTILITY EASEMENT
[Symbol]	EX. FOREST CONSERVATION EASEMENT
[Symbol]	EX. SEPTIC RESERVE AREA
[Symbol]	PROP. WELL RESERVE BOX

DEVELOPER
 CARUSO HOMES
 2120 BALDWIN AVENUE, SUITE-200
 CROFTON, MD 21144
 (301) 261-0277

OWNER
 MARCO TORRES
 3053 MULLINEAUX LANE
 ELLICOTT CITY, MD 21042
 (206) 902-7562

- GENERAL NOTES:**
- 1- ANY CHANGES 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.
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APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT. DATE

Oswald, Hank

From: Oswald, Hank
Sent: Friday, August 10, 2018 1:45 PM
To: roshannj@aol.com
Cc: 'MARCO.TORRES@ALHOCONCRETE.COM'; 'ROLIFF@CARUSOHOMES.COM'
Subject: OSDS Plan_14305 Fox Creek Court_Plan Review Comments

Good Afternoon. The OSDS Plan for 14305 Fox Creek Court has been reviewed with the following comments:

- 1.) Show test hole locations and #s on the plan
- 2.) Add note: Health Department will require tree clearing inside the forest conservation area in order to make repairs within the sewage disposal area.
- 3.) Trench lengths cannot exceed 100 feet.

Thanks,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov

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