

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

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

RECEIPT I	DATE: 8.218 ONSITE SEWAGE DISPOSAL SYSTEM P 563910					
APPROVAL I	DATE: 9/10/18 SEC PERMIT: CONSTRUCTION A					
PROPERTY A	DDRESS: 1024 Thunderbird Drive					
SUBDIVISION	SUBDIVISION: Fairlane Farms LOT: 40 TAX ID:					
CONTRACTO	CONTRACTOR: South Carroll Backhoe EMAIL: scbackhoe@comcast.com					
CONTRACTOR ADDRESS: 4410 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-596-3618						
PROPERTY OWNER: NV Homes EMAIL:						
OWNER ADDR	DDRESS: 9720 Patuxent Woods Drive, Columbia, MD 21046 PHONE: 410-379-5956					
SEPTIC TANK S	ANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Babylon Vault or equivalent					
PUMP MODEL	DEL: N/A PUMP SIZE N/A PUMP TANK CAPACITY: N/A					
DISTRIBUTIO	N SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE 1.2					
	LINEAR FEET REQUIRED: 87.50 INLET DEPTH: 4					
TRENCHES:	TRENCH WIDTH: 3 MAXIMUM BOTTOM DEPTH: 8					
	MINIMUM SPACE BETWEEN TRENCHES: 10 EFFECTIVE AREA BEGINNING DEPTH: 4					
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:	Hank Oswald ISSUE DATE: 8-2-18 EXPIRATION DATE: 8-2-18					
NOTE: CONT	TRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION					
NOTE: CONT	CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING					
	STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.					
	WATERTIGHT TANKS REQUIRED					
	ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL 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.

	W HO-15-0398			
	PH 51'			
	NOT TO SCALE	/		TRENCH/DRAINFIELD DATA WIDTH INLET BOTTOM
1''≈30'	54'	<u> </u>		3' 4' 8'
		/		NUMBER OF TRENCHES 2
	*			TOTAL LENGTH 89'
	>	\sim	Driveway	ABSORPTION AREA 267' + SIDEWA
		11/	J	DISTRIBUTION BOX LEVEL YES
		1		DISTRIBUTION BOX BAFFLE YES
	>	Garage		DISTRIBUTION BOX PORT YES
		>	> \	
				SERTIC TANK DATA
		/ /		SEPTIC TANK DATA SEPTIC TANK I LEVEL
	K 12'	Porch		MANUFACTURER BABYLON
	well 8	ζ' 'β	ſ	CAPACITY 2000 GAL
	line Å 2	7		SEAM LOC
	/			TANK LID DEPTH 1.5-2'
	MA/2	1		BAFFLES YES BAFFLE FILTER
	23'+0 A		ļ	MANHOLE LOC FRONT + REAR
	33' to 8			6" PORT LOC NONE
	101		ì	WATERTIGHT TEST
	1' (6.5'_	_ ^ _		SLOTTED YES
	101-3	5.5'	1	DATE ON LID 6-18-17
	لرسائد	//	1	RUMP/SEPTIC TANK LEVEL
	42 to A 2,3,1.5'		4	MANUFACTURER
	// //		12	CAPACITYGAL SEAM LOC
	11 11		. 1	TANK LIID DEPTH
	84'	Ho C		BAFFLES
	T2=4		1	BAFFLE FILTER
	93' to A \ 12'	5	N .	MANHOLE LOC
	120' to C			WATERTIGHT TEST
				SVOTTED
	- ROAD NAM	\boldsymbol{E}		DATE ON LID
PRE-CONSTRUCTION:		<u> </u>		
		Tank + SDA	comers stake	ed. Shot contour - differs
				house are closer, shapes
of trenches are	different. Laid of	at 2 × 44' to	renches at 1	highest part of SDA. Keep
	house to avoid			
		0-7-11	1	
INSTALLATION: 8/31	/18 On site while tank	was set. No	obvious cracks	s on bottom or sides of tank (
9/4/18 Trenches	complete + left open	for inspection	1. 3' wide 3-	3.5' to stone. Pipe laid from
				s in Dbox 60 9/10/18 House
connection made,				
WITH THE	<u> </u>			
FINAL INSPECTOR	Sarah Collins	1	DATE OF APPROV	AL 9/10/19
THANKI HASI FOLOK	DOUGHT COLLINS.		MALI OF MEROV	



Bureau of Environmental Health 8930 Stanford Blvd | Columbia, MD 21045 410.313.2640 - Voice/Relay 410.313.2648 - Fax 1.866.313.6300 - Toll Free

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

MEMORANDUM

TO:

Fisher, Collins & Carter, Inc.

10272 Baltimore National Pike Ellicott City, MD 21042

FROM:

Hank Oswald, L.E.H.S.

Well & Septic Program

RE:

1024 Thunderbird Drive

Fairlane Farms, Lot 40

Date:

April 24, 2018

The OSDS Plan for 1024 Thunderbird Drive has been reviewed with the following comments:

- 1.) Application rates are incorrect. Should be 1.2 not 0.8. Please review septic specs and make changes to calculations as necessary.
- 2.) Initial trench detail and trench elevations are incorrect (i.e. bottom trench elevation 603.8?)
- 3.) Septic profile elevations do not match adjacent list of elevations
- 4.) Move d-box to center and split trenches. Adjust trench lengths according to new calculations.

Oswald, Hank

From:

Oswald, Hank

Sent:

Wednesday, April 25, 2018 1:48 PM

To:

'Tony Fertitta'

Subject:

OSDS Plan_1024 Thunderbird Drive

Attachments:

OSDS Memo To FCC_2018.pdf

Hi Tony:

Please see attached memo regarding the OSDS Plan for 1024 Thunderbird Drive. Please contact me with any questions.

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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FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS and LAND SURVEYORS

Transmittal

Terrell A. Fisher, P.E., L.S. Earl D. Collins, P.E. Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.
Frank Manalansan II, L.S.
Stephanie Tuite, RLA, P.E., LEED AP BD&C

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Other							
ment							
Re: Fairlane Farm, Lot 40, 1024 Fairlane Rd. Here are 3 new copies of the OSDS for Lot 24 for your review. Please let me know if you have any questions.							

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Bureau of Environmental Health

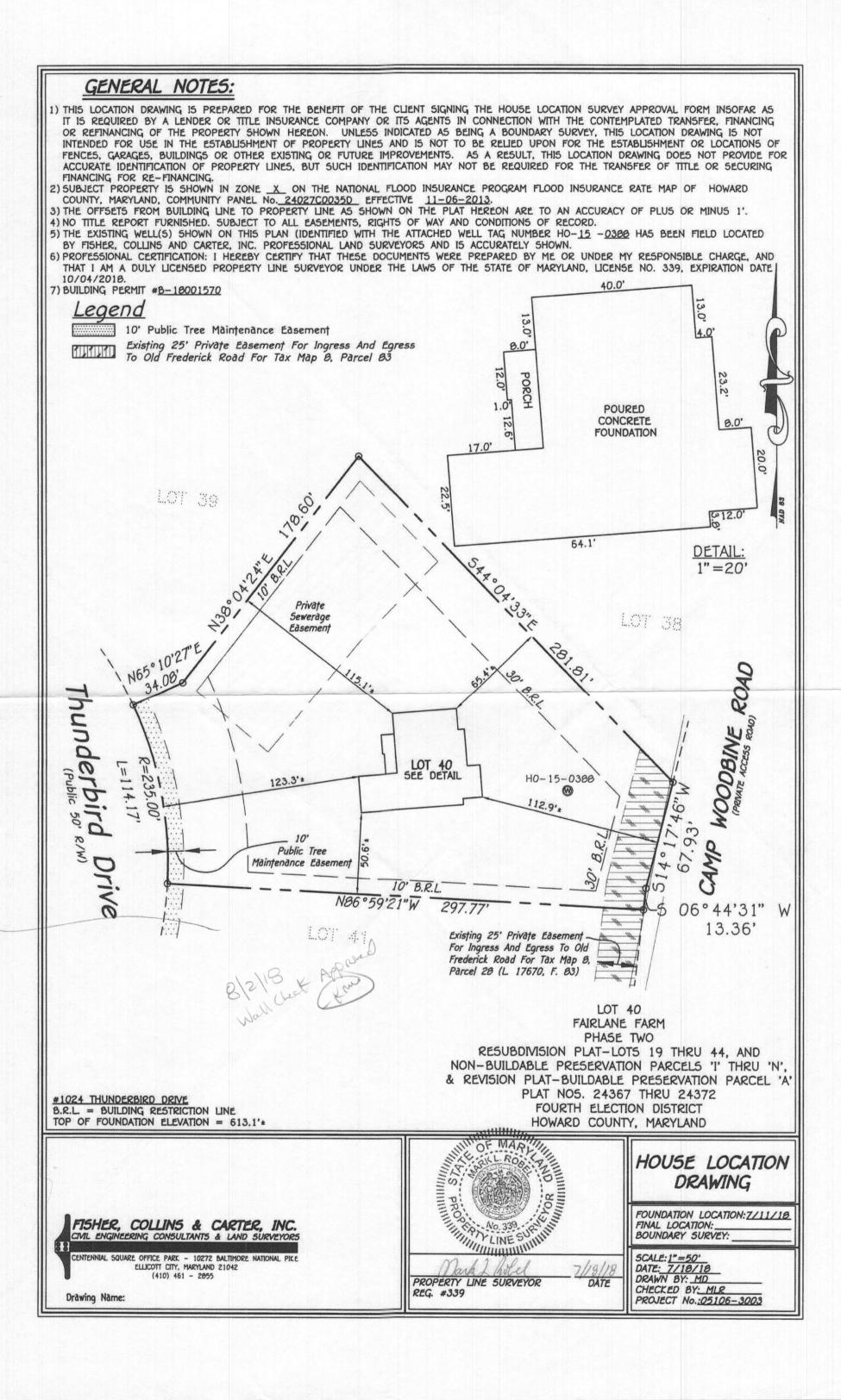
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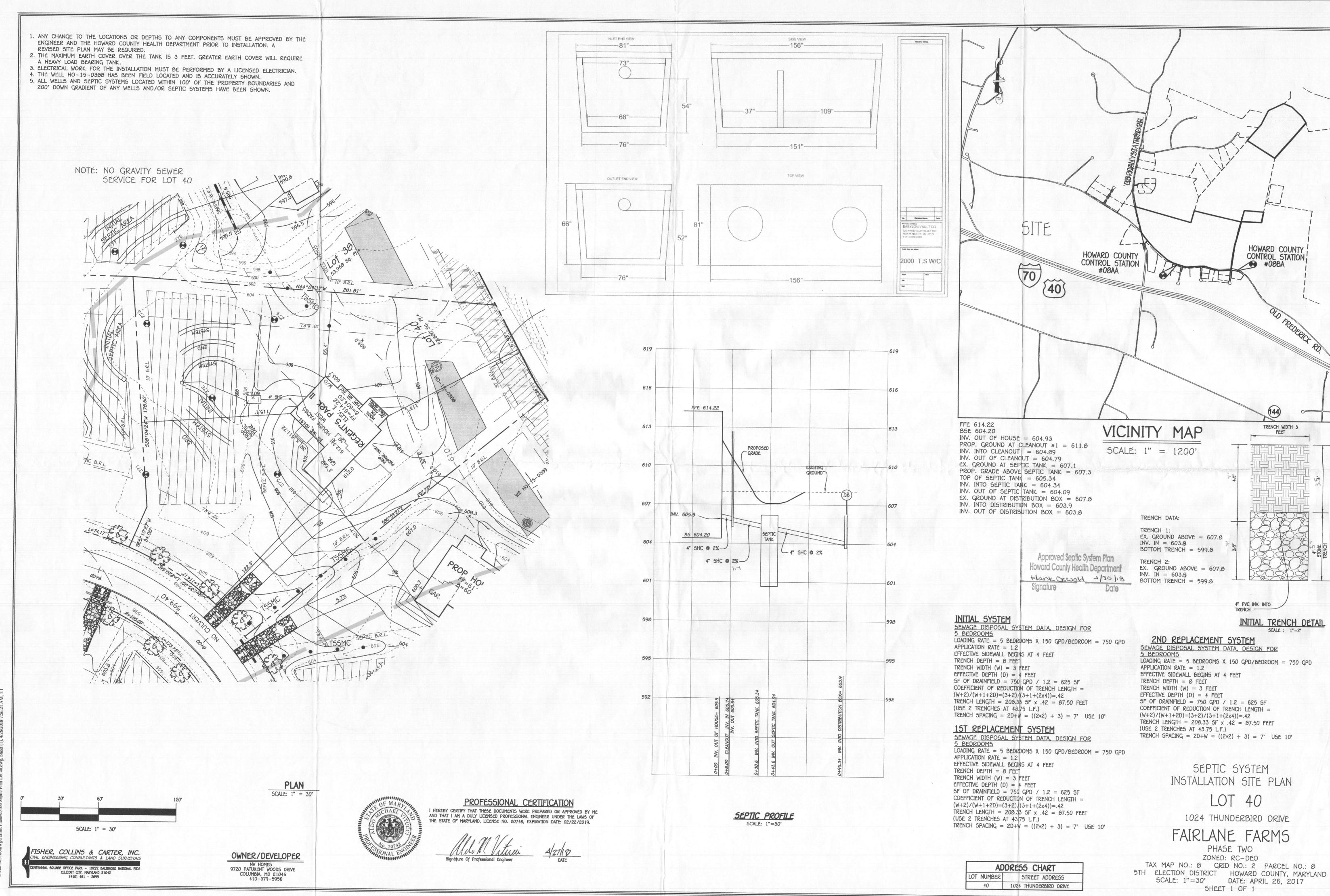
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Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET							
Address: Thunderbird Dr							
Address: Thunderbird Dr Subdivision: Fairlane Farm Lot: 40							
Initial system: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 8 1st Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 8 2nd Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 8							
Design Flow = 150 gallons per day per bedroom							
Design flow ÷ application rate = square footage of drainfield required							
Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width							
Sidewall reduction credit formula: $\frac{W+2}{W+1+2D} \times 100 = \frac{\text{Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.}$							
 Standard design requirements: All trenches must be equal length unless low pressure dosed All trenches must be on contour Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D +W up to a maximum spacing of 18'. Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge) Maximum trench length is 100' Maximum pipe depth is 4' 							

Approved: Hank Osuald Date: 1/30/18





TRENCH WIDTH 3 FEET