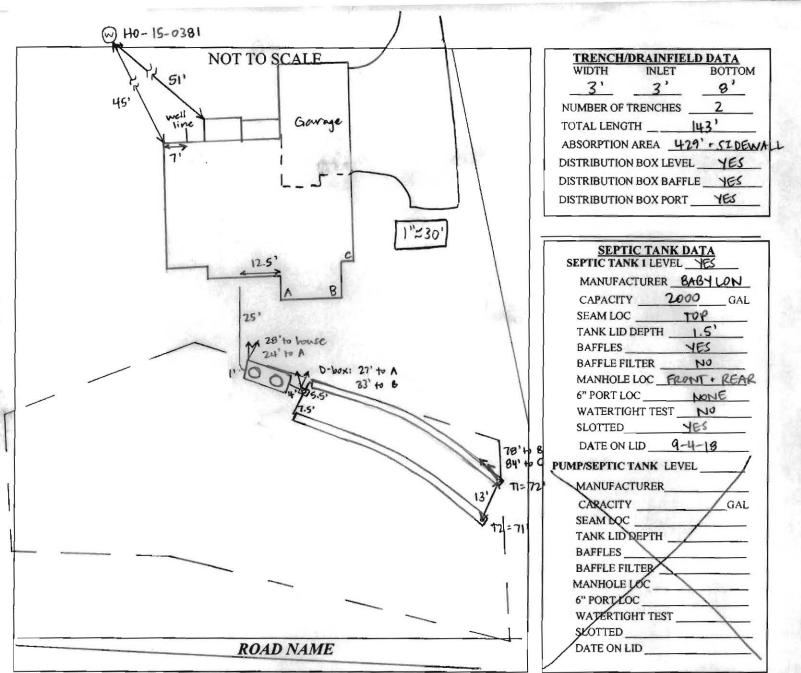
N	oward County ealth Department	8: T	930 Stanford Bould Main: 410-313-26 DD 410-313-2323 <u>www.</u> Facebook: www.fa	vironmental Hea ivard, Columbia, MD 540   Fax: 410-313-20   Toll Free 1-866-313 hchealth.org acebook.com/hocohe	21045 648 6300 ealth
RECEIPT	DATE: 9/18/18 ON	SITE SEWAGE DISPOSA	L SYSTEM	Р	364008
APPROVAL I	DATE: 10/15/18 SEC	PERMIT: CONST	RUCTION	А	0
PROPERTY A				-	
SUBDIVISION	: Fairlane Farms		LOT: 32	TAX ID:	
CONTRACTO	R: South Carroll Backh	000	EMAIL: <u>s</u>	cbackhoe@comc	ast.com
CONTRACTOR	ADDRESS: 4410 Salem	Bottom Road, Westminster, M	D 21157	PHONE:	410-596-3618
PROPERTY O	WNER: NV Homes		EMAIL:		
	ESS: 9720 Patuxent Wo	ods Drive, Columbia, MD 210	46	PHONE:41	10-379-5956
SEPTIC TANK S	IZE (GALLONS): 2000	TANK MANUFAC	TURER: Ba	bylon Vault or e	quivalent
PUMP MODEL	N/A	PUMP SIZE N/A			N/A
DISTRIBUTIO	N SYSTEM: 🛛 GRAVI	TY PRESSURE DOSED	BEDROOMS:	5 APPLICA	TION RATE 0.8
	LINEAR FEET REQUIRED:	1,33.88 HHH'		INLET DEPTH:	3
TRENCHES:	TRENCH WIDTH:	3	MAXIMUM	BOTTOM DEPTH:	8
	MINIMUM SPACE BETWEEN TRENCHES:	10 EFI	ECTIVE AREA BE	GINNING DEPTH:	5 3.5'
LOCATION:	PER APPROVED SITE PLAN	I. SEWAGE DISPOSAL AREA AND T CONSTRUCTION INSPECTION.			
	Install 2 trenches at 66-97	4 ft			
NOTES:	72				
1			aliation		aligha
ISSUED BY:	Hank Oswald	ISSUE DATE:	7/18/18	EXPIRATION DA	- poper
		A PRE-CONSTRUCTION INSPECTION AN INSPECTION AND GAIN APPROV			
	~ 이상 방법을 가지 않는 것은 것은 것은 것은 것을 가지 않는 것은 것은 것을 가지 않는 것을 수 있다. 이렇게 것을 것을 수 있는 것을 것을 것을 것을 수 있다. 것을	EALTH DEPARTMENT AND GRAVE			na - Takan Churtai Adalah (179) Anang Canada (2011)
NOTE: WAT	ERTIGHT TANKS REQUIRED				
Mercenana sources	WHEN AND TRACK AND A WAR SHARES IN AN	ALL BE AT LEAST 100 FEET DOWN		ANY WATER WELL	
AND AND A CASE OF A CASE OF		ALL SEPTIC TANKS AND PUMP CHA IRED FOR INSTALLATION OF ANY		PONENTS OF THE	SYSTEM
	A CONTRACTOR AND A CONTRACTOR OF A CONTRACT				
		KS, BAT, AND OTHER PRETREATM OT DISCHARGED TO THE DISPOSA			UENCY ADEQUATE
NEITHE		TY COUNCIL NOR THE HEAL			SIBLE FOR THE
×	an Andrewski state v metrijski politika i stratev jezer	SUCCESSFUL OPERATION OF NSIBLE FOR OBTAINING FIN			ИΤ.
		L 410-313-1771 TO SCHEDU			
		3			



### PRE-CONSTRUCTION:

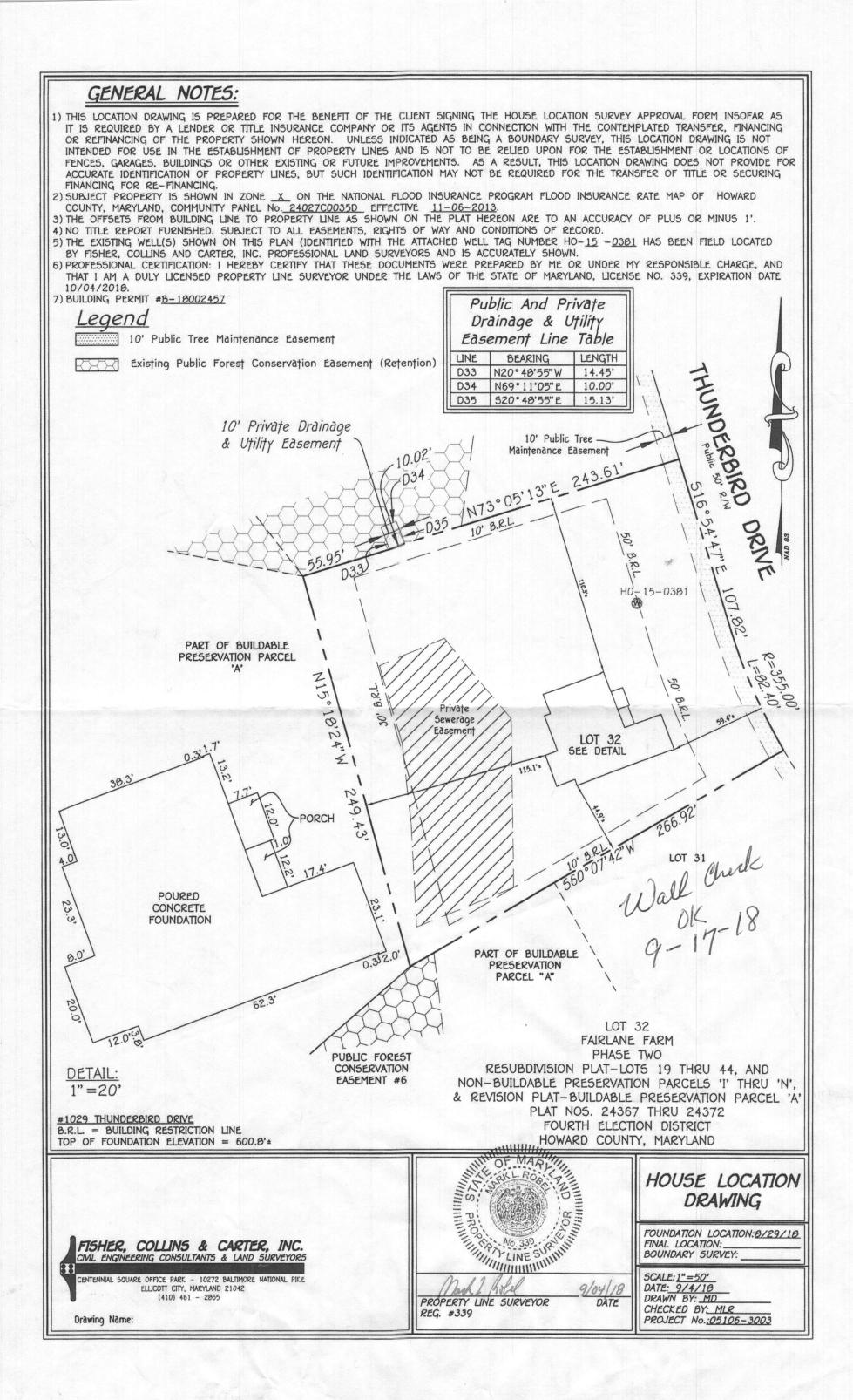
10/9/18 Met S. Canvill on site for layout. SDA conners staked. Shot contour + laid art 2×67' trenches per plan. Dug a test hole just below T2 to check depth of effective soil. Sich to 3.5', perc of 4:50 at 5.5'. Rate is still 0.8 9Pd/ft<sup>2</sup> when averaged with hole #751. Change effective sidewall to 4.5' (3.5' -> 8') - need 144' total. Adjust length of trenches to 2×72' and keep tank 20' off house. (SC)

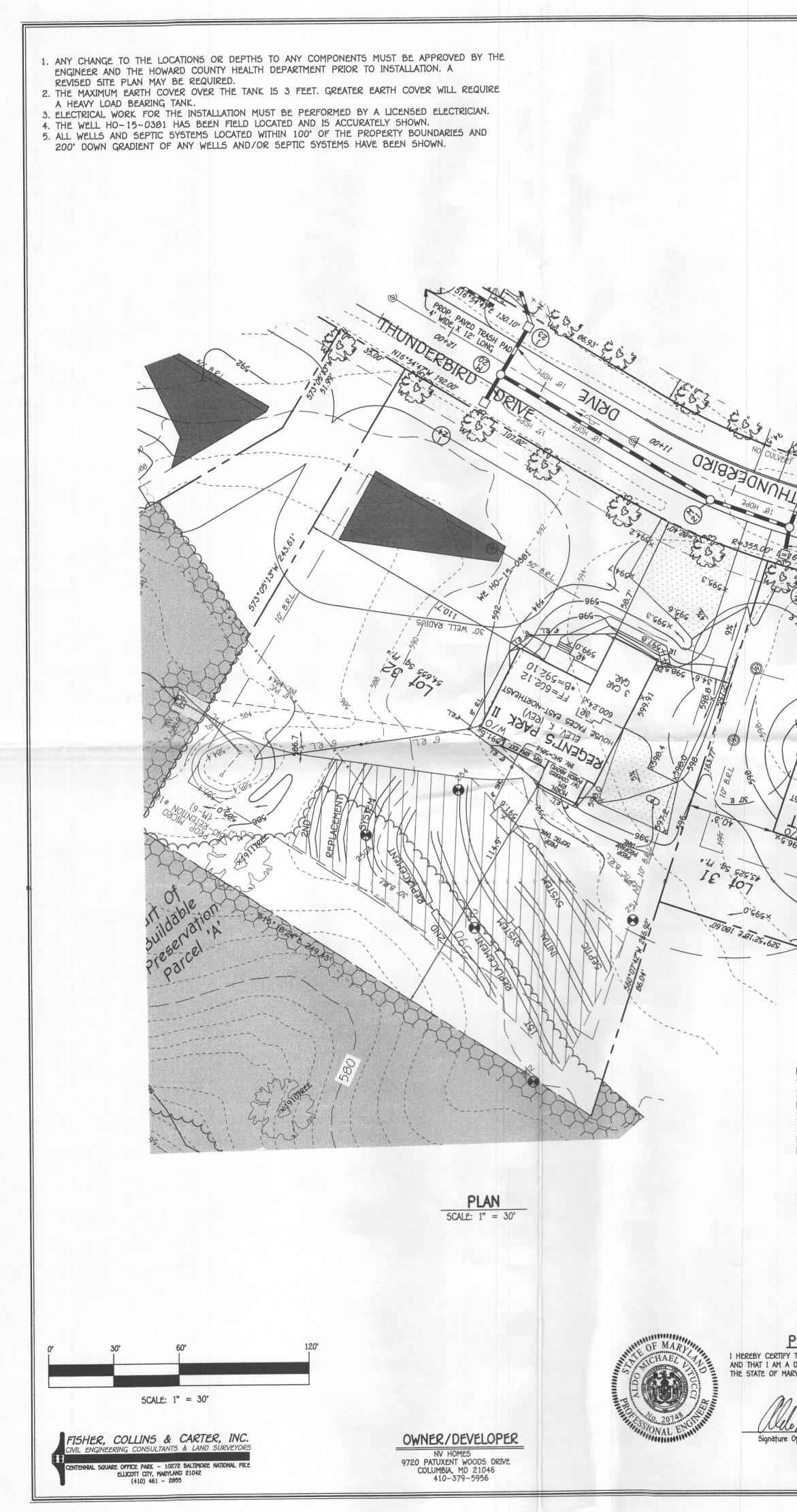
INSTALLATION: 10/10/18 Tank set. Pipe non from house to tank. Sewer line coming out of the house under the footer but does not have fall. Plumber must fix pipe before hense connection is made. [Corrective action.] @ 10/12/18 House connection made, pipe out of house has fall. [Corrective action completed.] S. Carroll adding stone to T2. 3' wide, 3.3.5' inlet. 8' bottom. @ 10/15/18 TI Anished and left open for inspectron, 3' wide + 3' to stone D-box installed + connected to trenches + tank. Leveled speed levelers in D-box. So

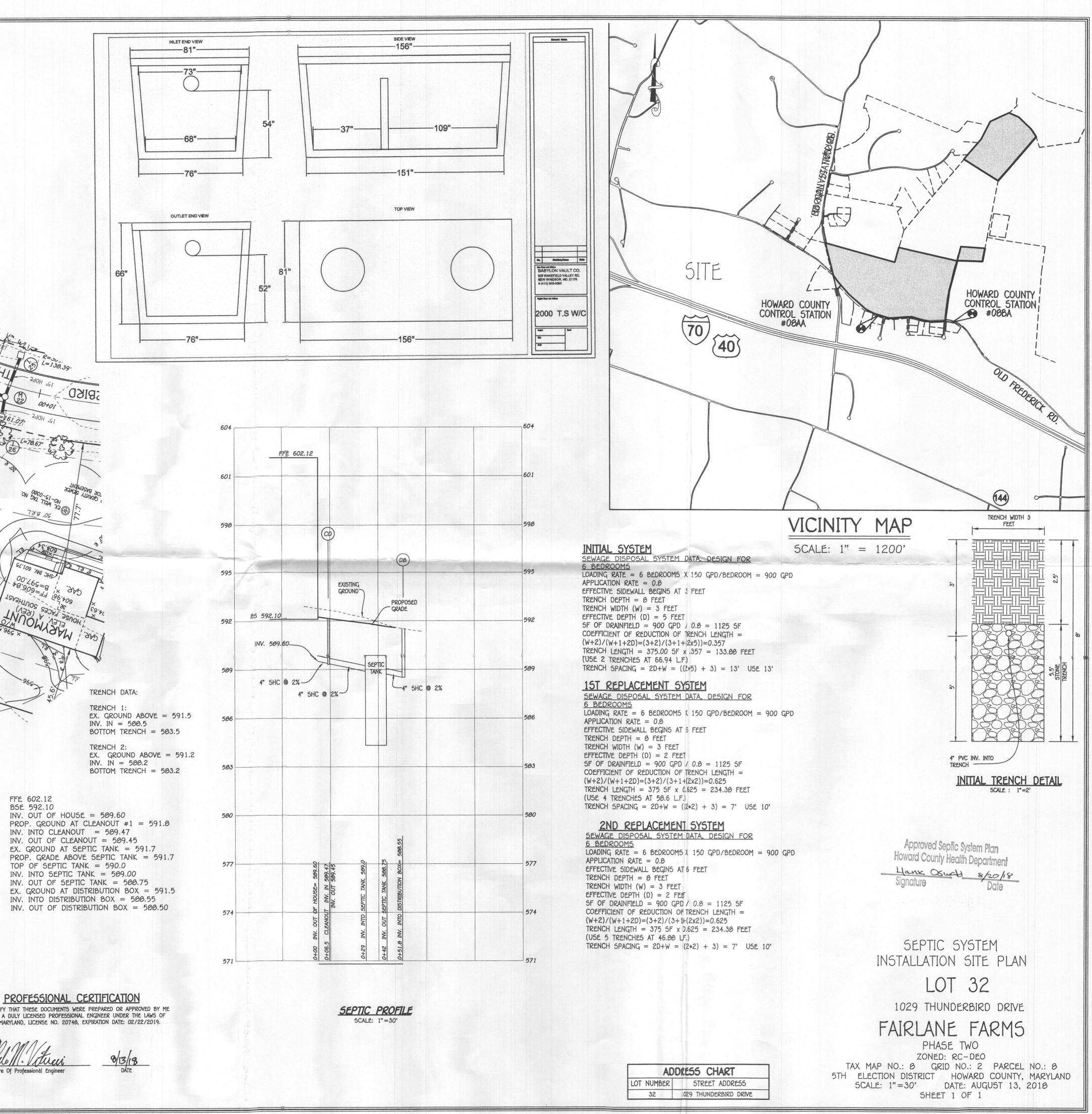
FINAL INSPECTOR

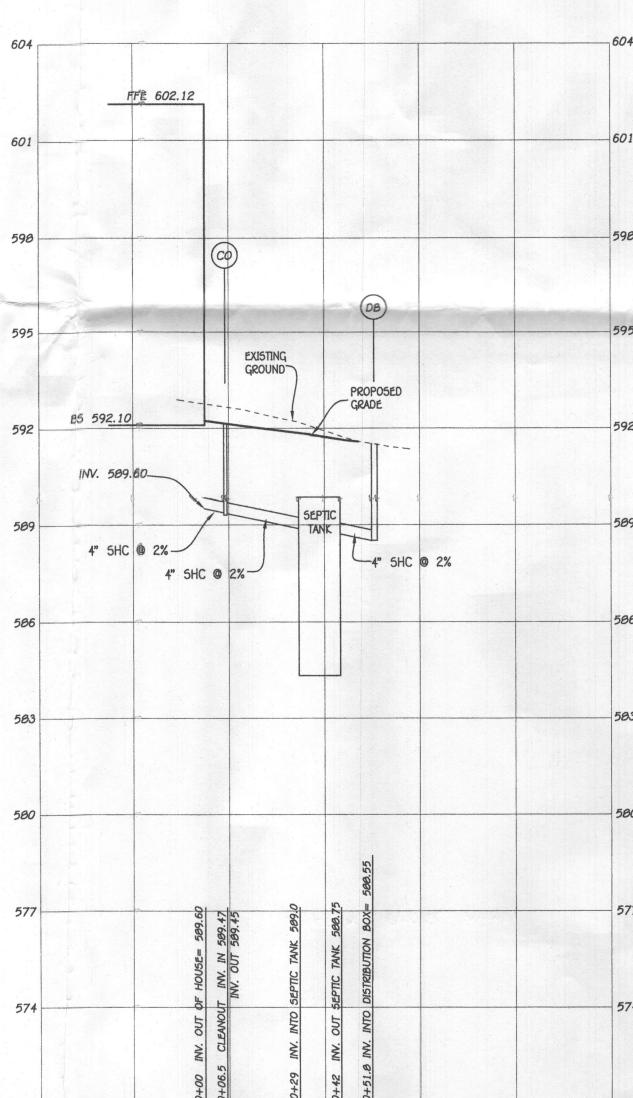
Sarah Collins

. DATE OF APPROVAL \_\_\_\_\_\_\_\_\_







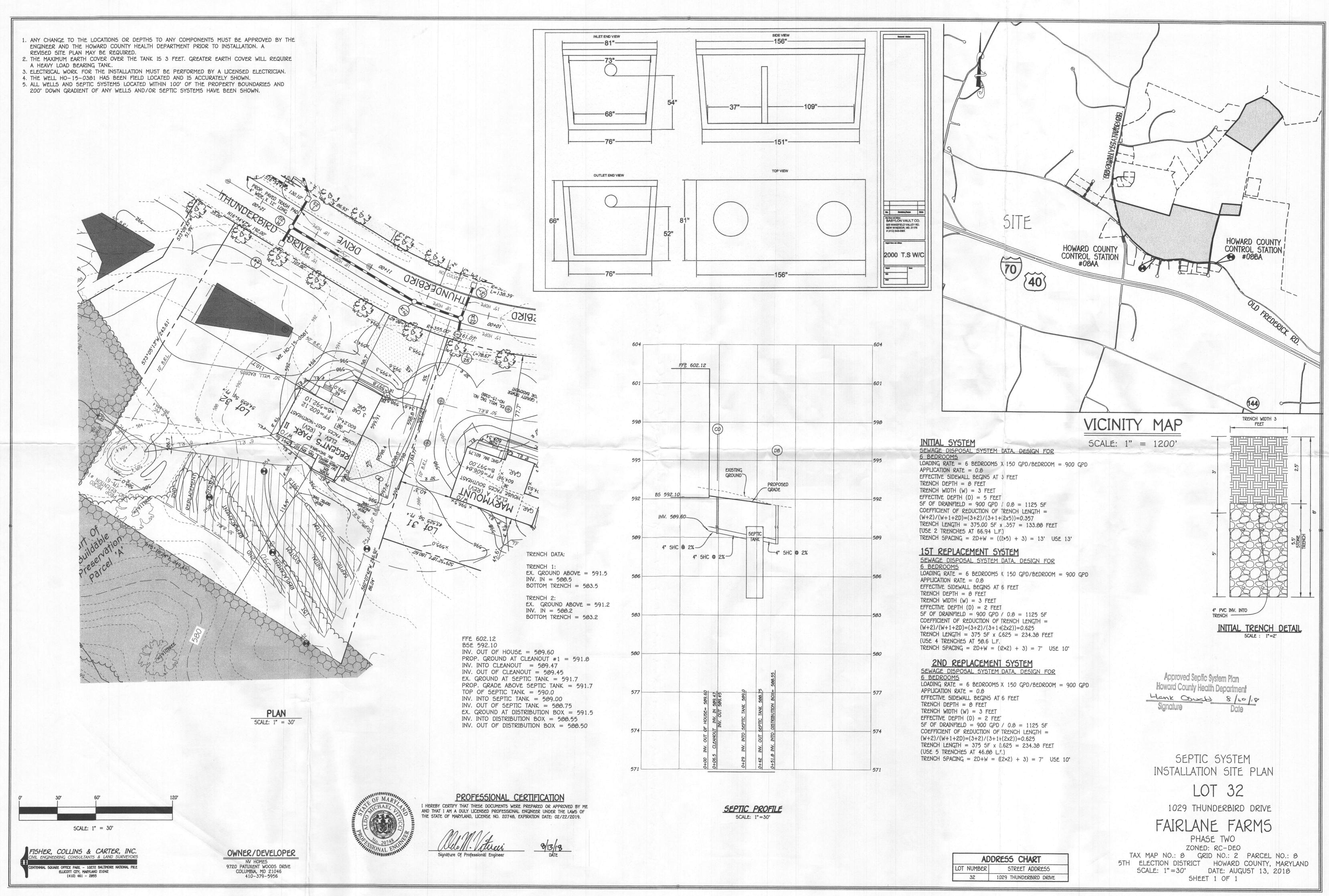


FFE 602.12 BSE 592.10 INV. OUT OF HOUSE = 589.60PROP. GROUND AT CLEANOUT #1 = 591.8INV. INTO CLEANOUT = 589.47 INV. OUT OF CLEANOUT = 589.45EX. GROUND AT SEPTIC TANK = 591.7 PROP. GRADE ABOVE SEPTIC TANK = 591.7 TOP OF SEPTIC TANK = 590.0 INV. INTO SEPTIC TANK = 589.00 INV. OUT OF SEPTIC TANK = 588.75 EX. GROUND AT DISTRIBUTION BOX = 591.5 INV. INTO DISTRIBUTION BOX = 588.55 INV. OUT OF DISTRIBUTION BOX = 588.50

20, 8.6.7

## 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: 02/22/2019.

nature Of Professional Engineer





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 Twitter: HowardCoHealthDep

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET Address: Subdivision: Fairlane Farm Lot: 32 Initial system: Application rate: 0,8 Effective area beginning depth: 3 Bottom maximum depth: 8 1<sup>st</sup> Replacement: Application rate: 0, 9 Effective area beginning depth: 6 Bottom maximum depth: 8 2<sup>nd</sup> Replacement: Application rate: 0, 8 Effective area beginning depth: 6 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: W + 2W + 1 + 2D X 100 = Percent of length of standard trench where W=trench width and D= depth between effective area beginning double and trench where W=trench width and D= depth between 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' Additional requirements:

Approved:	Hank	Osward	Date:	31	18

# Transmittal

Via:	🗌 Fax 🗌 Mail	🛛 Messenger	🗌 E-Mail	To Be Picked Up
	Fax (original to follow via U.S. N	Nail)		
To:	Bureau of Environmental Heal	ith	Attn: Ha	nk
	8930 Stanford Blvd.		Fax:	
	Columbia, Maryland 21046-45	544	Phone: 41	0-313-2640
	- <u>n</u>			<u> </u>
From:	Dave Harward		CC:	
Re:	Fairlane Farms, Lot 32		W.O.# 05	106-3003
Date:	Aug. 13, 2018		Pages: 0	Page(s) Including this cover

We are forwarding:	Prints	Copy of Letter	Specifications	Shop drawings Other
	Urgent	For your use	As requested	For Review & Comment

Remarks:

Re: Fairlane Farm, Lot 32, 1029 Thunderbird Drive.

Here are 3 new copies of the OSDS for Lot 32 for your review. Per our correspondence last Friday (8/10/18), we've moved the septic tank to the new location as was shown. Since the distance is considerably closer to the house, it can have gravity sewer for the basement, so this works out better. Please let me know if you have any questions.

Thank You for your help on this Hank,

Dave.

Fisher, Collins, & Carter, Inc. Ph. 410-461-2855

#### CONFIDENTIALITY NOTICE

This transmission contains confidential information which may be legally privileged, and is intended only for the use of the individual named above. If you are not the intended recipient, you are hereby notified that any distribution ( except to the intended recipient), copying, or disclosure of this transmission is strictly prohibited.

	ð	S		<b>***</b>	alle a	ĺź	
 -		were addition, where	1000		-0000		e. Néranyoéti

ked Up	To Be Picked Up	🗌 E-Mail	Messenger	🗌 Mail	🗌 Fax	Via:
			U.S. Mail)	ginal to follow via L	🗌 Fax (orig	
	nk	Attn: Ha	Health	invironmental	Bureau of E	To:
		Fax:		ord Blvd.	8930 Stanfo	
	0-313-2640	Phone: 41	46-4544	Aaryland 2104	Columbia, N	
		CC:		8	Tony Fertitt	From:
	106-3003	W.O.# 05		ms, Lot 32	Fairlane Far	Re:
ding this cover	Page(s) Including	Pages: 0		8	July 25, 201	Date:
ding t						Date:

We are forwarding:	Prints	Copy of Letter	Specifications	Shop drawings Other	
	Urgent	For your use	As requested	S For Review & Comment	

Remarks:

Re: Fairlane Farm, Lot 32, 1029 Thunderbird Drive.

Here are 3 new copies of the OSDS for Lot 32 for your review. We've moved the SWM Bio outsideo fhte 100 ft. well radius and moved the septic tank to be 20 ft. from the morning room. Please let me know if you have any questions.

Thank You,

Tony.

Fisher, Collins, & Carter, Inc. Ph. 410-461-2855

#### CONFIDENTIALITY NOTICE

This transmission contains confidential information which may be legally privileged, and is intended only for the use of the individual named above. If you are not the intended recipient, you are hereby notified that any distribution ( except to the intended recipient), copying, or disclosure of this transmission is strictly prohibited.

& CARTER, INC.	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 A
Via: Fax Mail Messenger	E-Mail To Be Picked Up
To: Bureau of Environmental Health 8930 Stanford Blvd. Columbia, Maryland 21046-4544	Attn: <b>Hank</b> Fax: Phone: <b>410-313-2640</b>
From: Tony Fertitta	CC:
Re: Fairlane Farms, Lot 32 Date: June 11, 2018	W.O.# 05106-3003 Pages: 0 Page(s) Including this cover
	Specifications Shop drawings Other As requested For Review & Comment
Remarks: Re: Fairlane Farm, Lot 32, 1029 Thunderbird Drive.	

Thank You,

Tony.

Fisher, Collins, & Carter, Inc. Ph. 410-461-2855

#### CONFIDENTIALITY NOTICE

This transmission contains confidential information which may be legally privileged, and is intended only for the use of the individual named above. If you are not the intended recipient, you are hereby notified that any distribution ( except to the intended recipient ), copying, or disclosure of this transmission is strictly prohibited.

CENTENNIAL SQUARE OFFICE PARK + 10272 BALTIMORE NATIONAL PIKE + ELLICOTT CITY, MARYLAND 21042 + PHONE (410) 461-2855 FAX (410) 750-3784

LENGIN	R, COLL RTER, IN DEERING CONS URVEYORS	C.				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
Via:	🗌 Fax	Mail Mail	🛛 Messe via U.S. Mail)	nger 🔲 E	-Mail	🗍 To Be Picked Up
To:	Bureau of E	Environme	ntal Health	Attn:	Ha	ank
	8930 Stanfo	ord Blvd.		Fax:		
	Columbia, I	Maryland 2	21046-4544	Phor	ne: <b>4</b> *	10-313-2640
From:	Tony Fertiti	la		CC:		
Re	Fairlane Fa	rms, Lot 32		0.W	# 05	106-3003
Date:	July 24, 201	18		Page	es: 0	Page(s) Including this cover
We are	e forwarding:	Prints	Copy of Letter	Specificati	ons	Shop drawings Other
		Urgent	For your use	As reques	ted	Sor Review & Comment
We an						······

Here are 3 new copies of the OSDS for Lot 32 for your review. Please let me know if you have any questions.

Thank You,

Tony.

Fisher, Collins, & Carter, Inc. Ph. 410-461-2855

#### CONFIDENTIALITY NOTICE

This transmission contains confidential information which may be legally privileged, and is intended only for the use of the individual named above. If you are not the intended recipient, you are hereby notified that any distribution ( except to the intended recipient), copying, or disclosure of this transmission is strictly prohibited.

