

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

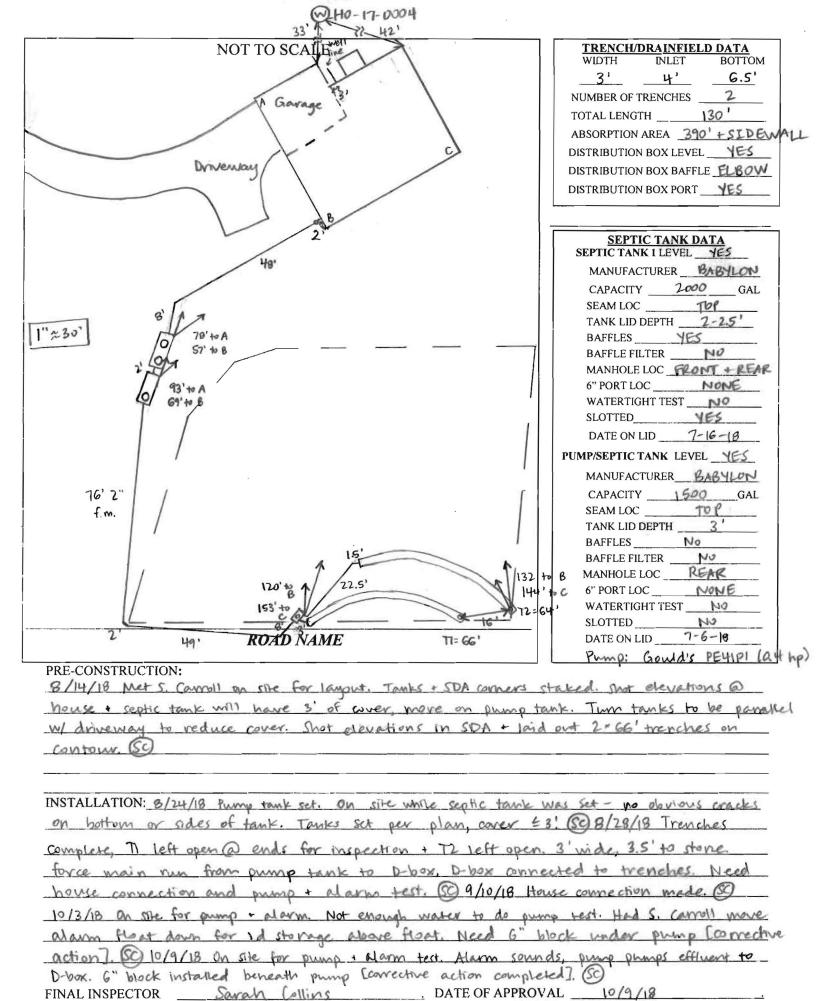
Facebook: www.facebook.com/hocohealth

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

RECEIPT	DATE: 8/5/18 ONSITE SEWAG	E DISPOSAL SYST	EM P <u>563970</u>					
APPROVAL	DATE: 10/9/18 SEC PERMIT:	CONSTRUCTI	ON A					
PROPERTY A								
SUBDIVISION	: Fairlane Farm	LOT: <u>_</u> 3	9 TAX ID:					
CONTRACTO	R: South Carroll Backhoe	EMAIL	: scbackhoe@comcast.com					
CONTF 1CTOR	CONTF 1 CTOR ADDRESS: 4410 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-596-3618							
PROPERTY O	WNER: NV Homes	EMA	L:					
OWNFR ADDR	ESS: 9720 Patuxent Woods Drive, Colun	nbia, MD 21046	PHONE: 410-379-5956					
SEPTIC TANK S	IZE (GALLONS): 2000 TA	NK MANUFACTURER:	Babyln					
PUMP MODEL	. Zoeller PUMP SIZE	D.4 HP PUM	P TANK CAPACITY: 1500					
DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 1.2								
	LINEAR FEET REQUIRED: 131		INLET DEPTH: 4					
TRENCHES:	TRENCH WIDTH: 3 MAXIMUM BOTTOM DEPTH: 6.5							
	MINIMUM SPACE		TA DECIMALING DEPTH. A.E.					
	BETWEEN TRENCHES: 10 PER APPROVED SITE PLAN. SEWAGE DISPOS		EA BEGINNING DEPTH: 4.5					
LOCATION:	SURVEYOR PRIOR TO PRE-CONSTRUCTION II		TIONS WIDST BE STAKED BY LICENSED					
NOTES:								
ISSUED BY:	Hank Oswald	SSUE DATE: 8/5/18	EXPIRATION DATE: 8/5/19					
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 18003072								
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.



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

Via:	☐ Fax ☐ Mail ☑ Messeng ☐ Fax (original to follow via U.S. Mail)				□ Е-Ма	iil [☐ To Be Picked Up	•	
То:	8930 Stanfo	Environmental F ord Blvd. Maryland 21046			Attn: HANK Fax: Phone: 410-313-2640				
From:	Tony Fertit	ta			CC:				
Re:	Fairlane Fa	rms, Lot 39		W.O.# 05106-3003					
Date:	MAY 16, 20	18			Pages: () Pa	ge(s) Including	this cover	
limine.		- Parish on and The Parish worth and be a World and be a facility of the second and a second and			and the second s			M	
We a	re forwarding:	⊠ Prints □ C	Copy of Letter	Spe	Specifications		Shop drawings	Other	
		☐ Urgent ☐ F	or your use	☐ As re	equested	\boxtimes	For Review & Cor	mment	
Here	Fairlane Farn	n, Lot 39, 1028 Th			review.	Pleas	e let me know if	you have	
	Thank You,								
Tony				_					
Fishe	er, Collins, &	Carter, Inc. Ph.	410-461-285	5					

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TECHNICAL BROCHURE

BPE R1



FEATURES

Corrosion resistant construction

Cast iron body

Thermoplastic impeller and cover.

Upper sleeve and lower heavy duty ball bearing construction.

Motor is permanently lubricated for extended service life.

Powered for continuous operation.

All ratings are within the working limits of the motor.

Quick disconnect power cord, 20' standard length, heavy duty 16/3 SJTW with 115 or 230 volt grounding plug.

Complete unit is heavy duty, portable and compact.

Mechanical seal is carbon, ceramic, BUNA and stainless steel.

Stainless steel fasteners

PF

SUBMERSIBLE EFFLUENT PUMP





APPLICATIONS

Specially designed for the following uses:

- Mound Systems
- Effluent/Dosing Systems
- Low Pressure Pipe Systems
- Basement Draining
- Heavy Duty Sump/Dewatering

SPECIFICATIONS

Pump - General:

- Discharge: 1½" NPT
- Temperature: 104°F (40°C) maximum, continuous when fully submerged.
- Solids handling: ½" maximum sphere.
- Automatic models include a float switch.
- Manual models available.
- Pumping range: see performance chart or curve.

PE31 Pump:

Maximum capacity: 53 GPM
Maximum head: 25' TDH

PE41 Pump:

Maximum capacity: 61 GPM
Maximum head: 29' TDH

PE51 Pump:

Maximum capacity: 70 GPM
Maximum head: 37' TDH

MOTOR

General:

- Single phase
- 60 Hertz
- 115 and 230 volts
- Built-in thermal overload protection with automatic reset.
- Class B insulation
- · Oil-filled design
- High strength carbon steel shaft

PE31 Motor:

- .33 HP, 3000 RPM
- 115 volts
- Shaded pole design

PE41 Motor:

- .40 HP, 3400 RPM
- 115 and 230 volts
- PSC design

PE51 Motor:

- .50 HP. 3400 RPM
- 115 and 230 volts
- PSC design

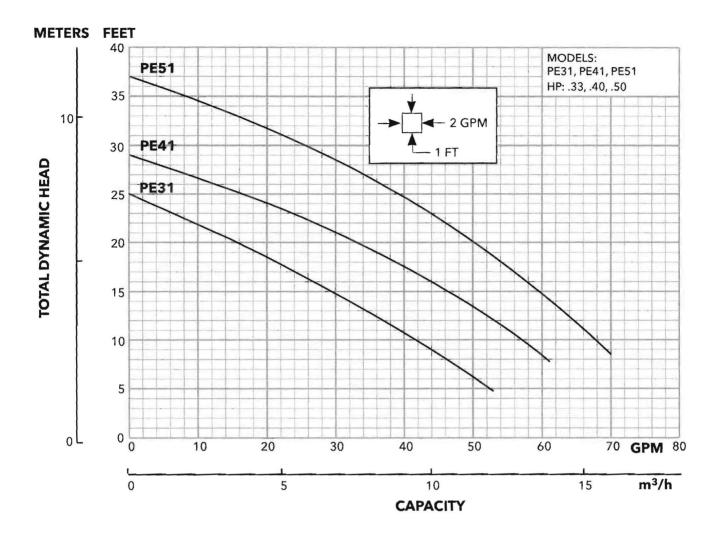
AGENCY LISTINGS



Tested to UL 778 and CSA 22.2 108 Standards By Canadian Standards Association File #LR38549

PUMP INFORMATION

Order No.	НР	Volts	Amps	Minimum Circuit Breaker	Phase	Float Switch Style	Cord Length	Discharge Connection	Minimum Basin Diameter	Maximum Solids Size	Shipping Weight Ibs/kg						
PE31M	0.33		12	20		Manual / No Switch											
PE31P1	0.33	115	12	20		Piggyback Float Switch											
PE41M		115] 113	113	7.5	15		Manual / No Switch									
(PE41P1)			7.5	15		Piggyback Float Switch	20'	1.5"	18"	(5")	31 / 14.1						
PE42M	0.4	230	3.7	10] ,	Manual / No Switch											
PE42P1		230	3.7	10	'	Piggyback Float Switch	20	1.5	10	(3)	317 14.1						
PE51M			115 9.5	0.5	0.5	0.5	0.5	0.5	0.5	20	}	Manual / No Switch					
PE51P1				20		Piggyback Float Switch											
PE52M	0.5		220	020	020	000	4.7	10		Manual / No Switch							
PE52P1	1	230	4./	10		Piggyback Float Switch											



PERFORMANCE RATINGS

PE31

Total Head (feet of water)	GPM	
5	52	
10	42	
15	29	
20	16	
25	0	

PE41

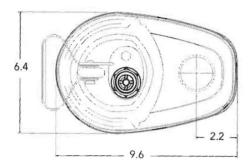
Total Head (feet of water)	GРM		
8	61		
10	57		
15	46		
20	33		
25	16		

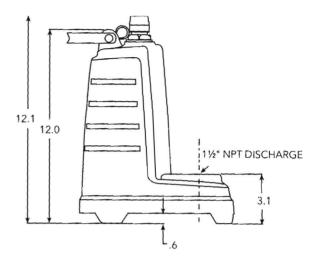
PE51

Total Head (feet of water)	GPM		
10	67		
15	59		
20	50		
25	39		
30	26		
35	8		

DIMENSIONS

(All dimensions are in inches. Do not use for construction purposes.)







Xylem Inc.

2881 East Bayard Street Ext., Suite A

Seneca Falls, NY 13148 Phone: (866) 325-4210 Fax: (888) 322-5877

www.gouldswatertechnology.com

Goulds is a registered trademark of Goulds Pumps, Inc. and is used under license.

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Oswald, Hank

From:

Oswald, Hank

Sent:

Monday, May 14, 2018 9:24 AM

To:

'Tony Fertitta'

Subject:

OSDS Plan 1028 Thunderbird Drive Lot 39

Attachments:

OSDS Memo To FCC_2018.pdf

Hi Tony:

Attached, please find a memo pertaining to the OSDS Plan for 1028 Thunderbird Drive, Lot 39.

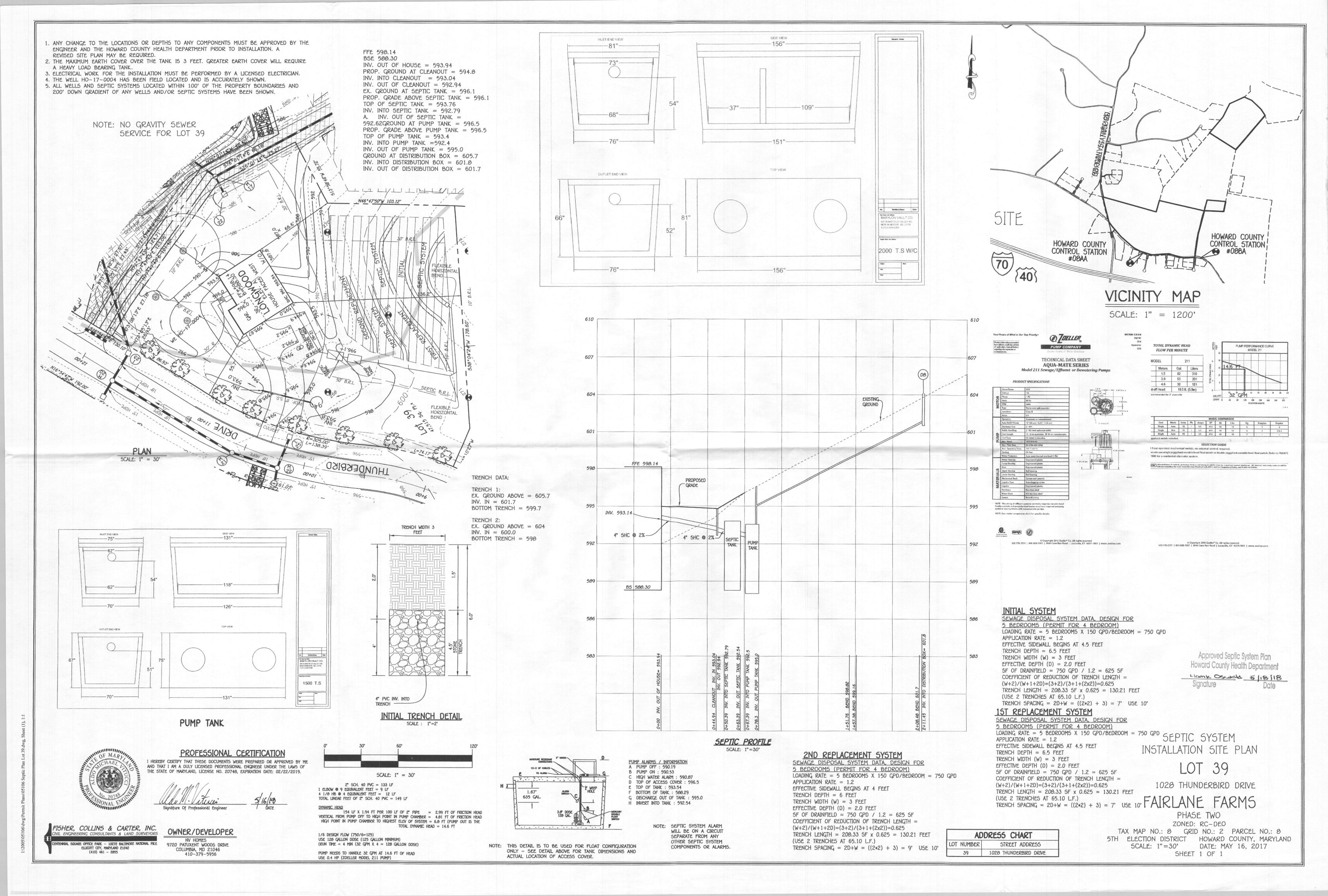
Thanks,

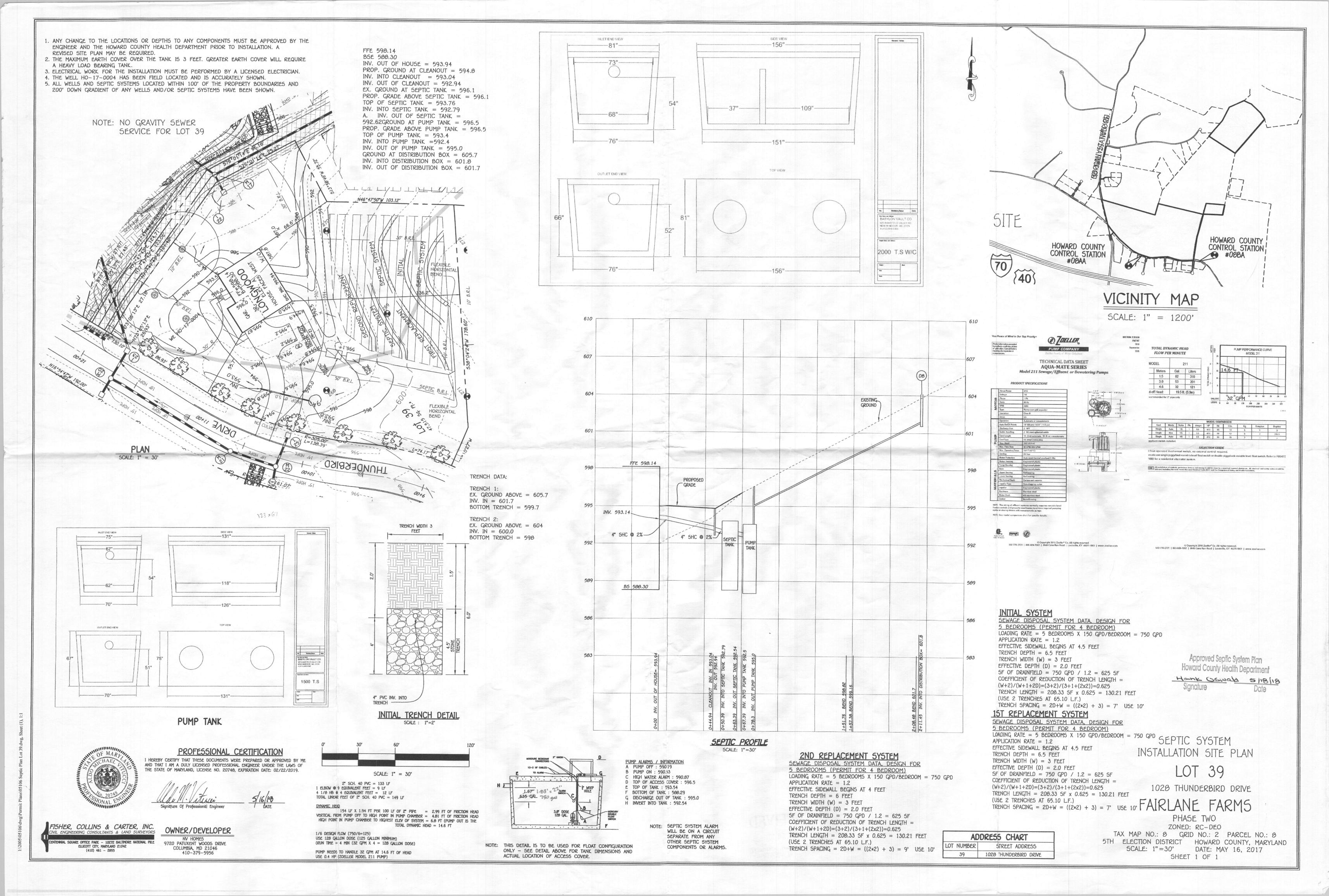
Hank

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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Transmittal

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Via:	☐ Fax	☐ Mail ginal to follow via	⊠ Messen a U.S. Mail)	ger	☐ To Be Picked Up		
To:	Bureau of E	Environmenta	ıl Health	Attn: H/	ANK		
	8930 Stanfo	ord Blvd.		Fax:			
	Columbia, I	Maryland 210	046-4544	Phone: 4	10-313-2640		
****					Y		

From:	Tony Fertiti	ta		CC:			
Re:	Fairlane Fa	rms, Lot 39		W.O.# 0 5	106-3003		
Date:	MAY 10, 20	18		Pages: 0	Page(s) Including this cover		
<u> </u>							
We ar	re forwarding:	⊠ Prints	Copy of Letter	Specifications	☐ Shop drawings ☐ Other		
		Urgent [For your use	☐ As requested			
Re: Fairlane Farm, Lot 39, 1028 Thunderbird Drive. Here are 3 new copies of the OSDS for Lot 39 for your review. Please let me know if you have any questions. Thank You, Tony. Fisher, Collins, & Carter, Inc. Ph. 410-461-2855							

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