

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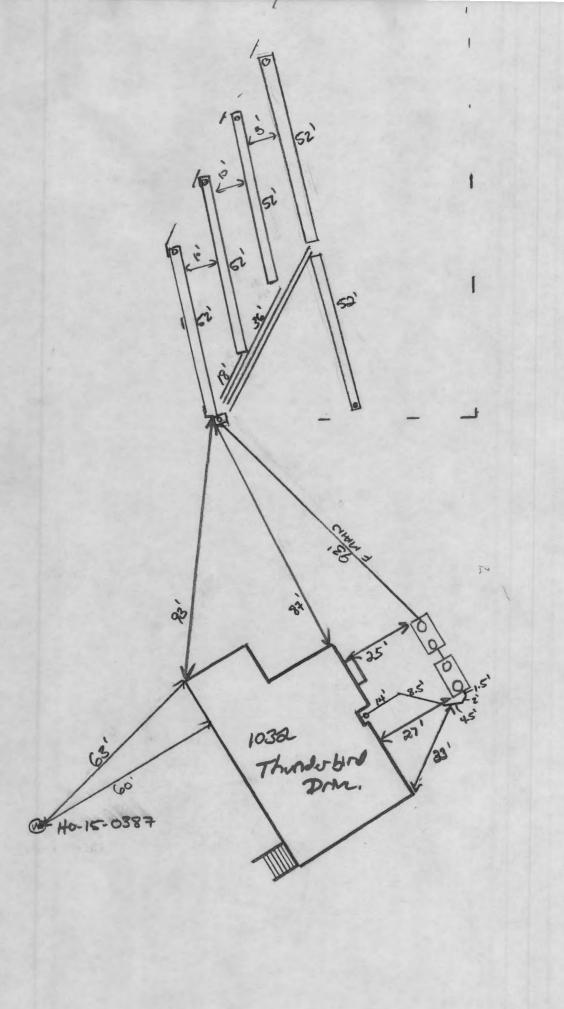
Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 5-15-19 ONSITE SEWAGE DISPOSAL SYSTEM P 545491
APPROVAL DATE: 5-15-19 PERMIT: CONSTRUCTION A
PROPERTY ADDRESS: 1032 Thunderbird Drive
SUBDIVISION: Fairlane Farms LOT: 38 TAX ID:
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 ADDRESS: 9720 Patuxent Woods Drive, Columbia, MD 21046 PHONE: 410-379-5956
SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Babylon Vault or equivalent PUMP MODEL: N/A PUMP SIZE N/A PUMP TANK CAPACITY: N/A
DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE 0.8
TRENCHES: TRENCH WIDTH: 3 MAXIMUM BOTTOM DEPTH: 4 MINIMUM SPACE BETWEEN TRENCHES: 10 EFFECTIVE AREA BEGINNING DEPTH: 3 LOCATION: PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION. SX SZ' TRENCHES
SSUED BY: Hank Oswald ISSUE DATE: 5-15-19 EXPIRATION DATE: 5-15 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 ADEQUAT 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	TRENCH/DRAINFIELD DATA WIDTH INLET, BOTTOM 3' / 4' NUMBER OF TRENCHES TOTAL LENGTH ABSORPTION AREA DISTRIBUTION BOX LEVEL DISTRIBUTION BOX BAFFLE
SEE ATTACHED AS BUILT	SEPTIC TANK DATA SEPTIC TANK I LEVEL YES MANUFACTURER GAL SEAM LOC GAL SEAM LOC TANK LID DEPTH 20 BAFFLES
15 00	BAFFLE FILTER MANHOLE LOC 6" PORT LOC WATERTIGHT TEST SLOTTED DATE ON LID PUMP/SEPTIC TANK LEVEL MANUFACTURER CAPACITY SEAM LOC BAFFLE FILTER MANUFACTURER GAL GAL
ROAD NAME PRE-CONSTRUCTION: ROAD NAME PRE-CONSTRUCTION:	TANK LID DEPTH BAFFLES BAFFLE FILTER MANHOLE LOC 6" PORT LOC WATERTIGHT TEST SLOTTED DATE ON LID 229/19
5/28/2019 TANKS AND SDA STAKED. LAID OUT DL 70 PULL 18' CTC FOR THIRD TRENCH - LAYOUT A	TWO UPPER TRENEH.
INSTALLATION: 5/25/19 Take set presents date. Top for plan up 10' edge to edge. Told continuer to on 1-st 2 louder. OK to continue Raw 5/28/20 COMPLETE. SEWER LINE INSTALLED TO TANK REINSP S/3/2007 PM INSTALLED INTO D BOX (2)/ TURN DOWN PLAR P 6/4/19 SHC confirmed (RIM)	SHC, F.M., AND D BOX. P
FINAL INSPECTOR DATE OF APPROV	AL



December 28, 2018

Mr. Jeff Williams Howard County Health Department Bureau of Environmental Health 8930 Stanford Blvd Columbia, Maryland 21045

Re: Fairlane Farms: Lot 38
Percolation Certification Plat

Waiver Request

Dear Mr. Williams,

We are requesting a variance for the proposed septic easement on Lot 38 for the above referenced project. The variance we are requesting is for a reduction from 10' off the property line to 5', to enable the required septic trenches to fit on this lot.

Thank you for your consideration of this request.

Sincerely Decusioned by:

David J. Cooper

Homebuyer of Lot 38 (1032 Thunderbird Drive)

WO #05106-3003



Transmittal

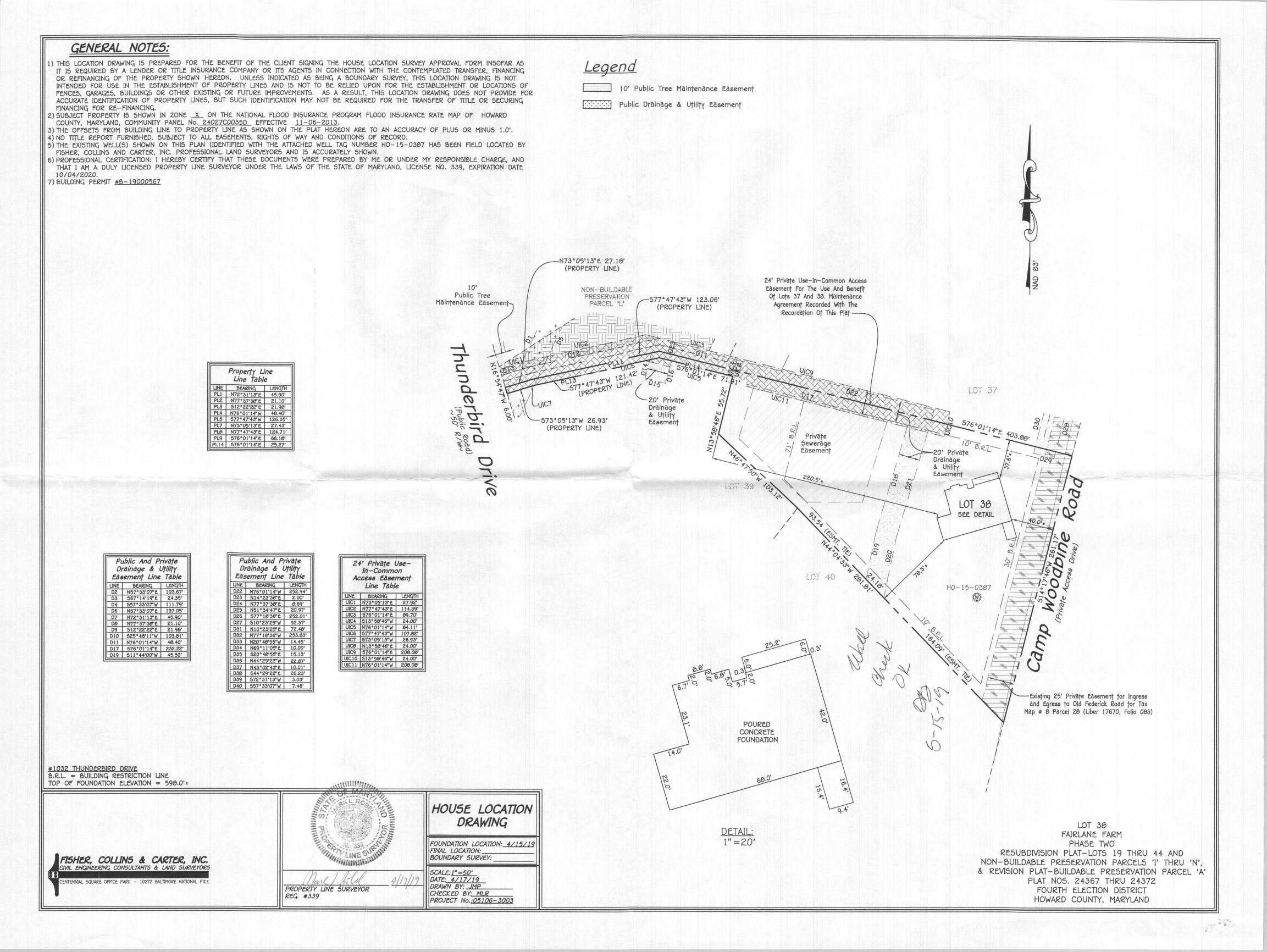
Terrell A. Fisher, P.E., L.S. Earl D. Collins, P.E. Charles J. Crovo, Sr., P.E., L.S.

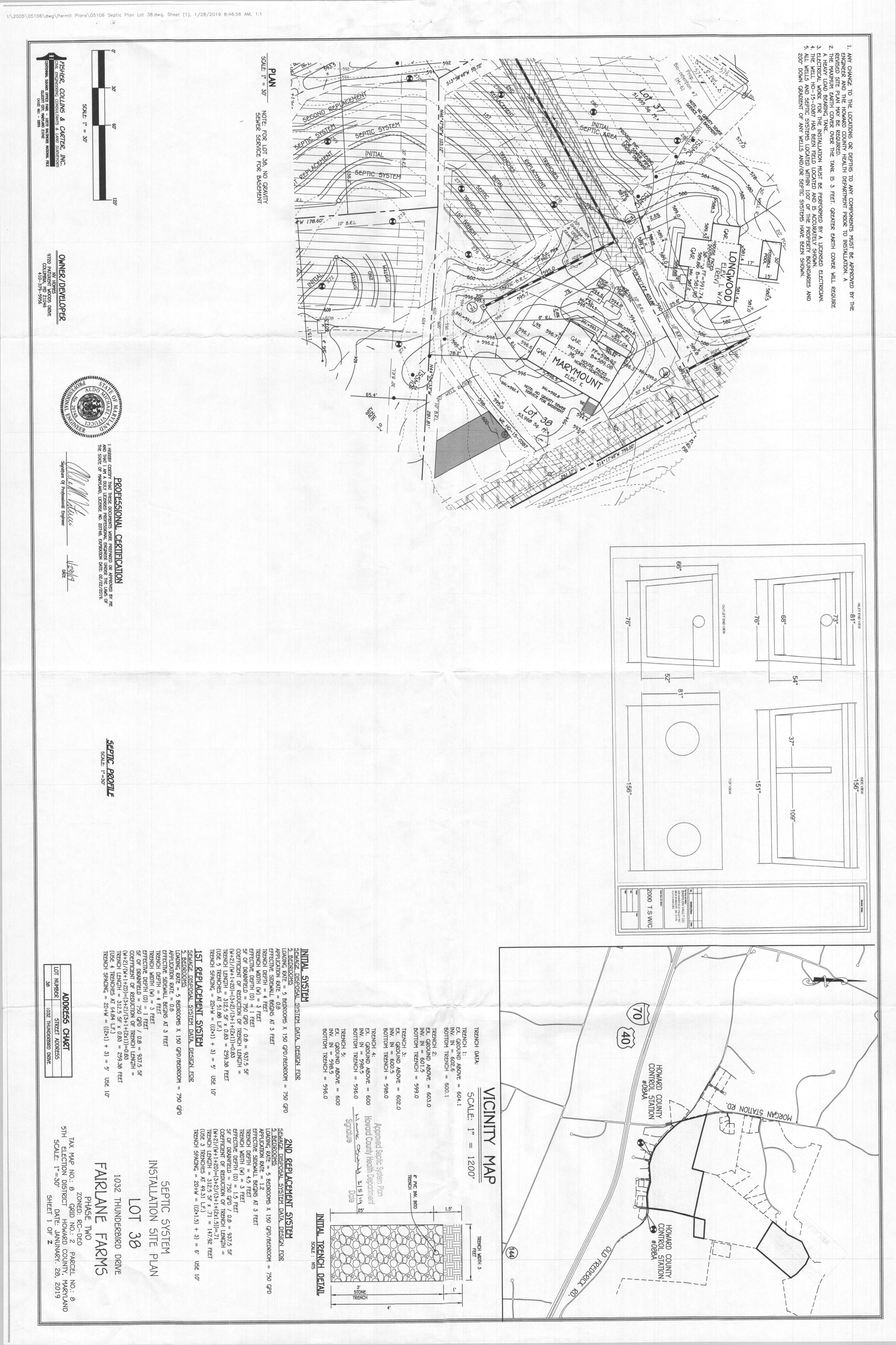
Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.
Frank Manalansan II, L.S.
Stephanie Tuite, RLA, P.E., LEED AP BD&C

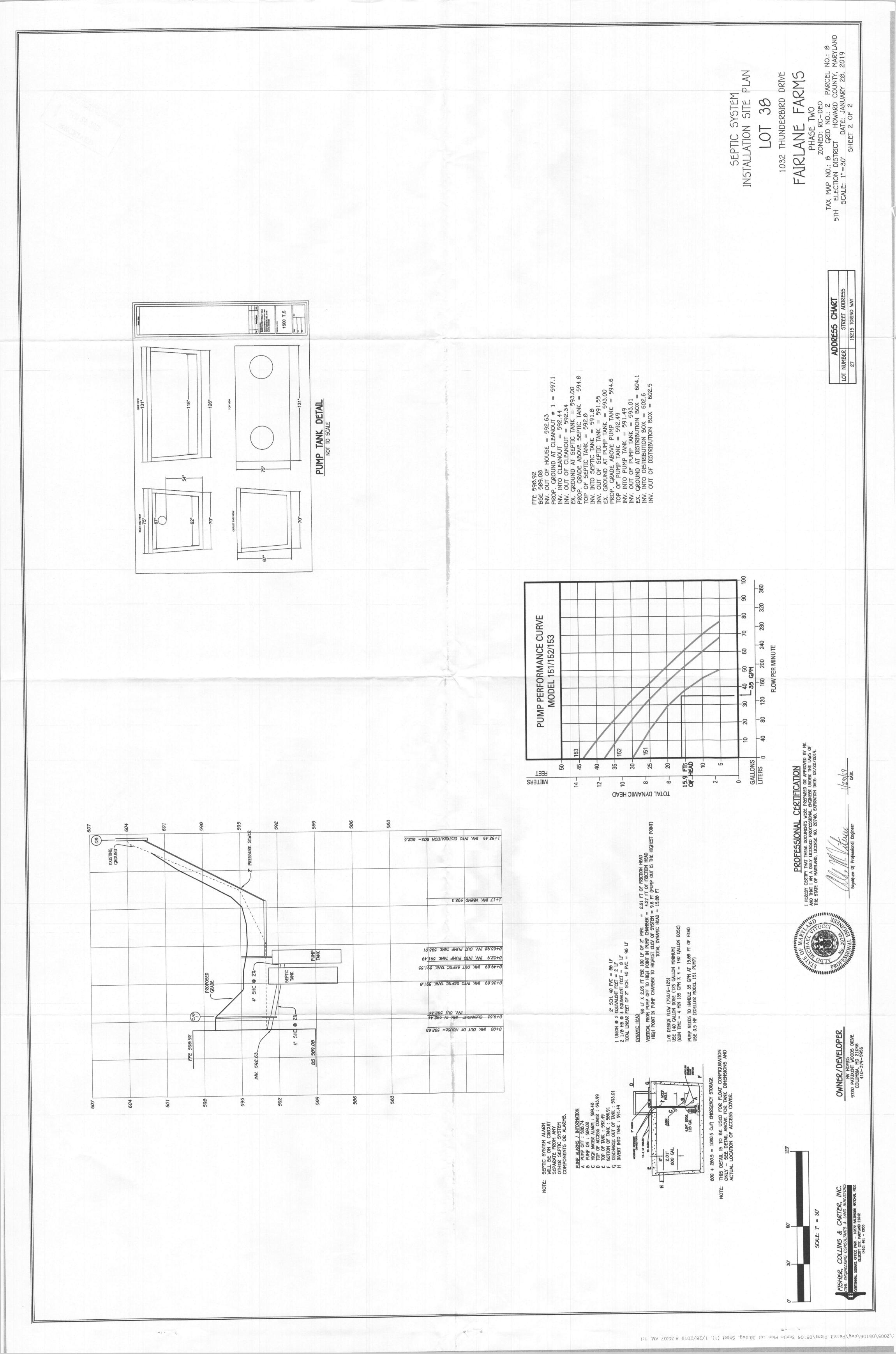
Via:	Fax	☐ Mail		ger 🔲 E-M	/lail	☐ To Be Picked Up		
	☐ Fax (ori	ginal to follow v	ia U.S. Mail)					
То:	Bureau of Environmental Health			Attn:	Attn: Hank			
	8930 Stanfo	ord Blvd.		Fax:				
	Columbia,	Maryland 21	1046-4544	Phone	: 41	0-313-2640		
From:	Tony Fertit	ta		CC:				
Re:	Fairlane Fa	rms, Lot 38		W.O.#	W.O.# 05106-3003			
Date:	January 28	, 2019		Pages	: 0	Page(s) Including this cover		
We are forwarding: ☐ Prints ☐ Copy of Letter ☐ Spe			Specification	ns	☐ Shop drawings ☐ Other			
		☐ Urgent	For your use	As requeste	d	For Review & Comment		
-								
Rema								
Re: Fairlane Farm, Lot 38, 15215 Torino Way. Here are 3 new copies of the OSDS for Lot 38 for your review. Please let me know if you have any questions.								
Than	k You,							
Tony	·.							
Fisher, Collins, & Carter, Inc. Ph. 410-461-2855								

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VICINITY MAP TRENCH DATA: TRENCH WIDTH 3 SCALE: 1" = 1200"FEET TRENCH 1: EX. GROUND ABOVE = 604.1 INV. IN = 602.6BOTTOM TRENCH = 600.1 TRENCH 2: EX. GROUND ABOVE = 603.0 INV. IN = 601.5BOTTOM TRENCH = 599.0 4" PVC INV. INTO TRENCH -TRENCH 3: EX. GROUND ABOVE = 602.0 INV. IN = 600.5BOTTOM TRENCH = 598.0 TRENCH 4: Howard County Health Department EX. GROUND ABOVE = 600 INV. IN = 598.51 ank 05 wat 2/5/19 BOTTOM TRENCH = 596.0 TRENCH 5: EX. GROUND ABOVE = 600 INV. IN = 598.5BOTTOM TRENCH = 596.0

INITIAL SYSTEM

SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR

5 BEDROOMS LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD APPLICATION RATE = 0.8 EFFECTIVE SIDEWALL BEGINS AT 3 FEET TRENCH DEPTH = 4 FEET TRENCH WIDTH (W) = 3 FEET EFFECTIVE DEPTH (D) = 1 FEET SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D)=(3+2)/(3+1+(2x1))=0.83TRENCH LENGTH = 312.5 SF x 0.83 = 259.38 FEET (USE 5 TRENCHES AT 51.88 L.F.) TRENCH SPACING = 2D+W = ((2*1) + 3) = 5' USE 10'

15T REPLACEMENT SYSTEM SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD APPLICATION RATE = 0.8 EFFECTIVE SIDEWALL BEGINS AT 3 FEET TRENCH DEPTH = 4 FEET TRENCH WIDTH (W) = 3 FEET EFFECTIVE DEPTH (D) = 1 FEET SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+20)=(3+2)/(3+1+(2x1))=0.83TRENCH LENGTH = 3125 SF x 0.83 = 259.38 FEET (USE 4 TRENCHES AT 61.84 L.F.) TRENCH SPACING = 2D+W = ((2*1) + 3) = 5' USE 10'

STREET ADDRESS

2ND REPLACEMENT SYSTEM

SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR

5 BEDROOMS LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD

APPLICATION RATE = 1.2 EFFECTIVE SIDEWALL BEGINS AT 3 FEET TRENCH DEPTH = 4.5 FEET TRENCH WIDTH (W) = 3 FEET EFFECTIVE DEPTH (D) = 1.5 FEET SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D)=(3+2)/(3+1+(2x1.5))=.71TRENCH LENGTH = 312.5 SF x .71 = 147.92 FEET(USE 3 TRENCHES AT 49.31 L.F.) TRENCH SPACING = 2D+W = ((2*1.5) + 3) = 6' USE 10'

> SEPTIC SYSTEM INSTALLATION SITE PLAN

INITIAL TRENCH DETAIL

1032 THUNDERBIRD DRIVE

FAIRLANE FARMS

PHASE TWO ZONED: RC-DEO

TAX MAP NO .: 8 GRID NO .: 2 PARCEL NO .: 8 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: 1"=30' DATE: JANUNARY. 28, 2019 SHEET 1 OF Z

