

## **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

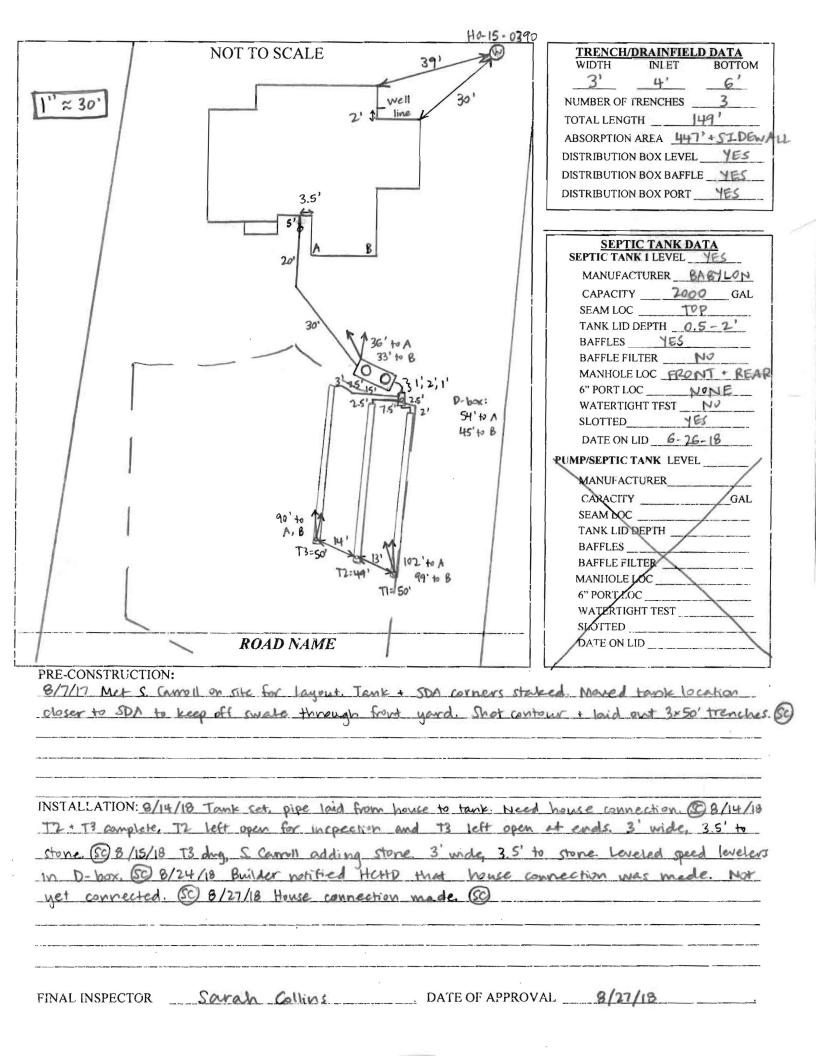
Facebook: www.facebook.com/hocohealth

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

	W. W.		GE DISPOSA		F	56397	5			
APPROVAL DAT	E: 8/27/18 SEC	ERMIT:	CONST	RUCTION	ļ	A				
PROPERTY ADDRESS: 1012 Thunderbird Drive										
SUBDIVISION:	Fairlane Farms			LOT: <b>42</b>	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 S	YSTEM: 🛛 GRAVI	TY 🗆 P	RESSURE DOSED	BEDROOMS:	5 APPLI	CATION RATE	1.2			
LI	INEAR FEET REQUIRED:	147.92			INLET DEPTH	: 4				
TRENCHES:	TRENCH WIDTH:	3		MAXIMUM BOTTOM DEPTH: 6						
<b>&gt;</b> -	MINIMUM SPACE BETWEEN TRENCHES:	10	EFF	EFFECTIVE AREA BEGINNING DEPTH: 4.5						
I OCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED									
NOTES:					,					
ISSUED BY:	lank Oswald	,	ISSUE DATE:	8-2-18	EXPIRATION (	DATE: 8-2	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										
Bernard .	ELECTRICAL PERMIT ISSUED		/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.





## **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

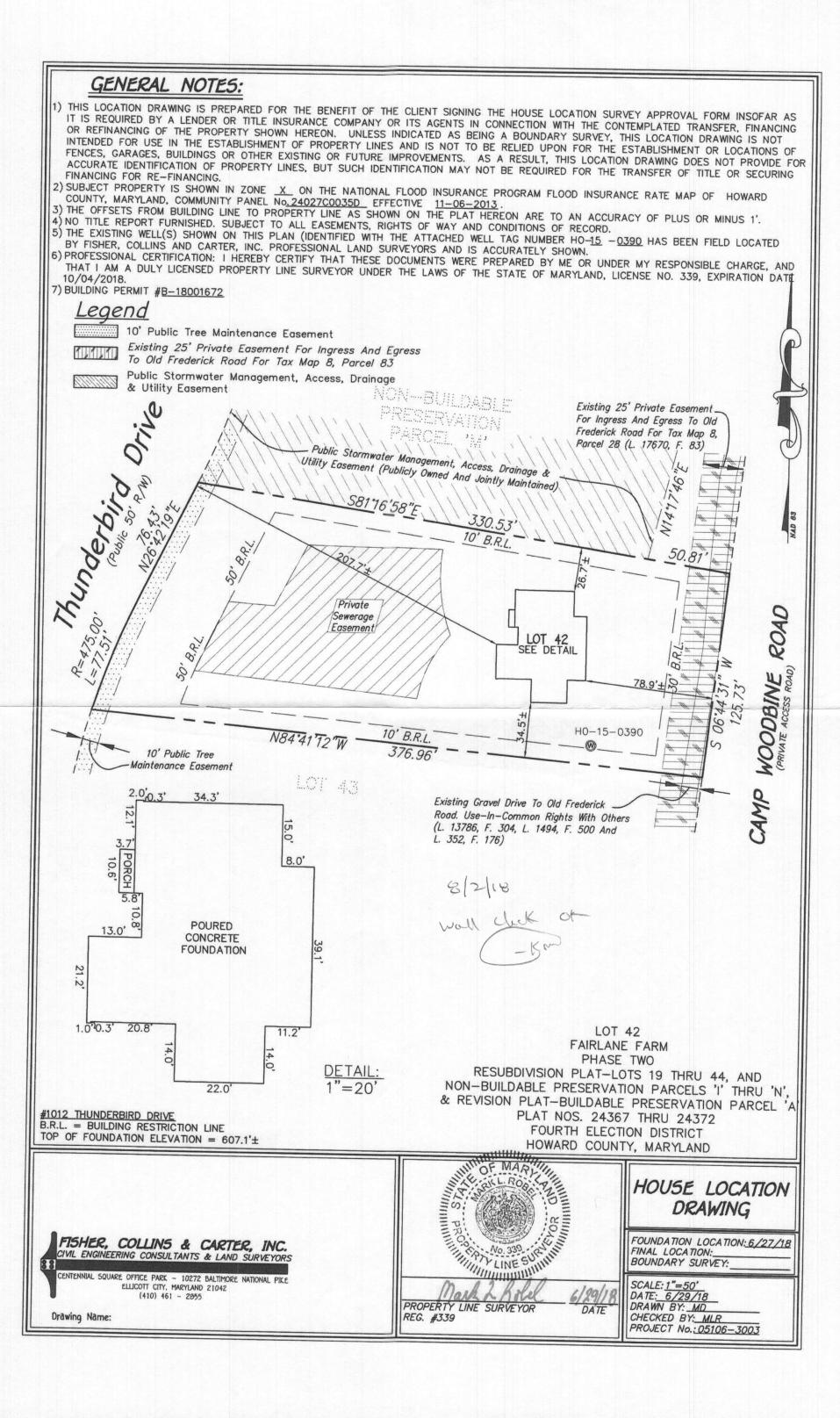
Via:	☐ Fax	Mail	Messen	nger [	E-Mail	☐ To Be Picked Up			
	☐ Fax (ori	ginal to follow	via U.S. Mail)						
To:	Bureau of I	Environmen	ital Health	,	Attn: Hank				
	8930 Stanford Blvd.				Fax:				
	Columbia,	Maryland 2	1046-4544	F	Phone: 41	10-313-2640			
From:	Tony Fertit	ta		(	CC:				
Re:	Fairlane Farms, Lot 42				W.O.# 05106-3003				
Date:	April 27, 20	18		F	Pages: 0	Page(s) Including this cover			
		<del></del>							
We ar	re forwarding:	□ Prints	Copy of Letter	Speci	fications	☐ Shop drawings ☐ Other			
		☐ Urgent	☐ For your use	☐ As red	uested				
Rema		n Lot 42 10	12 Thunderhird D	erivo.					
Here	Re: Fairlane Farm, Lot 42, 1012 Thunderbird Drive.  Here are 3 new copies of the OSDS for Lot 42 for your review. Please let me know if you have any questions.								
Than	k You,								
Tony	' <u>.</u>								
Fisher, Collins, & Carter, Inc. Ph. 410-461-2855									

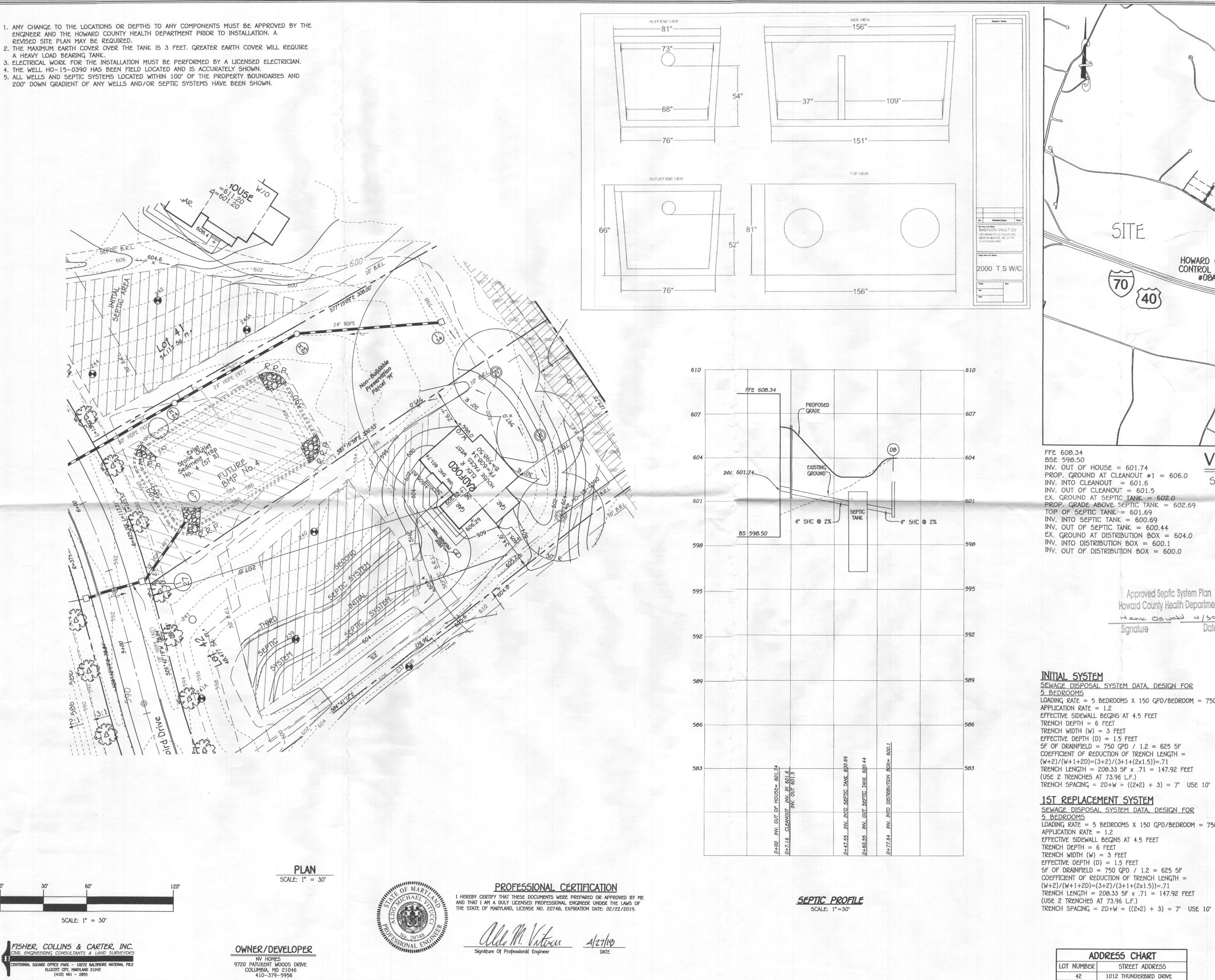
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NOTE: THE EXISTING WELL SHOWN ON THIS PLAN, HO-15-0390, HAS OWNER/DEVELOPER BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., STORMWATER MANAGEMENT NOTES: PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN. NV HOMES 9720 PATUXENT WOODS DRIVE COLUMBIA, MD 21046 410-379-5956 STORMWATER MANAGEMENT TREATMENT OF ALL IMPERVIOUS AREA FOR LOT 42 IS BEING PROVIDED BY BMP NO. 4. Thunderbird Drive STATE (§ g NORTH GRID Lot 42 48,477 5q. Ft. 600 50, B.R.L. 604 207. (70) DM 604 40 100 90 恒 584 604.4 SEPTIC B.R.J 610 PROPANE TANK 0 8.408 606.29 GAR. INV 5HC 602.4 3R + RADFORD 605.1 ELEV. R GAR. HOUSE FACES WEST FK=608.34 26.7 W/0/ B=598.50 0.866+ 597.0 PERMIT SITE PLAN LOT 42 B.R.L. 1012 THUNDERBIRD DRIVE FAIRLANE FARMS PHASE TWO ZONED: RC-DEO FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS TAX MAP NO .: 8 GRID NO .: 2 PARCEL NO .: 8 HOWARD COUNTY, MARYLAND 5TH ELECTION DISTRICT CENTENNIAL SQUARE OFFICE PARK — 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 (410) 461 — 2*0*55 DATE: APRIL 26, 2018 5CALE: 1"=30" 5CALE: 1" = 30'

SHEET 1 OF 1





HOWARD COUNTY HOWARD COUNTY CONTROL STATION #08AA CONTROL STATION #08BA TRENCH WIDTH 3 VICINITY MAP FEET SCALE: 1" = 1200"TRENCH DATA: TRENCH 1: EX. GROUND ABOVE = 604.0 INV. IN = 600.0BOTTOM TRENCH = 598.0 Howard County Health Department TRENCH 2: EX. GROUND ABOVE = 602.2 Hank Oswald 4/30/18 INV. IN = 598.2BOTTOM TRENCH = 596.2 4" PVE INV. INTO INITIAL TRENCH DETAIL 2ND REPLACEMENT SYSTEM
SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR

5 BEDROOMS

APPLICATION RATE = 1.2

TRENCH DEPTH = 6 FEET TRENCH WIDTH (W) = 3 FEET

EFFECTIVE DEPTH (D) = 1.5 FEET

(USE 3 TRENCHES AT 49.31 L.F.)

EFFECTIVE SIDEWALL BEGINS AT 4.5 FEET

SF OF DRAINFIELD = 750 GPD / 1.2 = 625 SF

(W+2)/(W+1+2D)=(3+2)/(3+1+(2x1.5))=.71

COEFFICIENT OF REDUCTION OF TRENCH LENGTH =

TRENCH LENGTH = 208.33 SF x .71 = 147.92 FEET

TRENCH SPACING = 2D+W = ((2\*2) + 3) = 7' USE 10'

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

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

SEPTIC SYSTEM INSTALLATION SITE PLAN

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

1012 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: APRIL 27, 2018 SHEET 1 OF 1