

#### **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: 4/24/19 ONSITE SEWAGE DISPOSAL SYSTEM P 565451							
APPROVAL DATE: CONSTRUCTION A							
ROPERTY ADDRESS: 12541 Westland Court							
UBDIVISION: Westland Farm Estates LOT: 8 TAX ID:							
ONTRACTOR: Hatfield's Equipment EMAIL: ken@hatfieldsequipment.com							
ONTRACTOR ADDRESS: P.O. Box 519, Annapolis Junction, MD 21701 PHONE: 301-490-4289							
ROPERTY OWNER: Williamsburg Group Westland Farm LLC EMAIL: billmcbride@williamsburgllc.com	n						
WNER ADDRESS: 5485 Harpers Farm Road, Columbia, MD 21044 PHONE: 410-997-8800							
EPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Babylon Vault or Equivalent							
UMP MODEL: N/A PUMP SIZE N/A PUMP TANK CAPACITY: N/A							
STRIBUTION SYSTEM:  GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 0.	.8						
LINEAR FEET REQUIRED: 195.3 INLET DEPTH: 4							
RENCHES: TRENCH WIDTH: 3 MAXIMUM BOTTOM DEPTH: 7							
MINIMUM SPACE							
BETWEEN TRENCHES: 10 EFFECTIVE AREA BEGINNING DEPTH: 5							
OCATION: PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.							
NOTES:							
SSUED BY: Hank Oswald ISSUE DATE: 4/24/19 EXPIRATION DATE: 4/24/20							
OTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION							
OTE: 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							
OTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM							
ELECTRICAL PERMIT ISSUED E	TE						
IOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATO 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
	NUMBER OF TRENCHES 4
	TOTAL LENGTH 2001
1 Ja	ABSORPTION AREA 260' + Jidewall
My !	DISTRIBUTION BOX LEVEL YES
13.5.0	DISTRIBUTION BOX BAFFLE NO DISTRIBUTION BOX PORT Ves
	DISTRIBUTION BOXTON 40-
A S	
	SEPTIC TANK DATA SEPTIC TANK I LEVEL MES
	MANUFACTURER LABITION
	CAPACITY 2000 GAL
	TANK LID DEPTH 315 46 4
71-30	BAFFLES 6 1 4" Dack
12 MitoB 22	BAFFLE FILTER VO
255.5 400	MANHOLE LOC FRONT BACK 6" PORT LOC NET
25° 60	WATERTIGHT TEST
WO'XO S	SLOTTED YES
We LEX	DATE ON LID 3/22/2019
Since 7 well line	PUMP/SEPTIC TANK LEVEL
FAMILE & Skeeved under	MANUFACTURERGAL
L'oricie L'drivenay	SEAM LOC
Se May 1	TANK LID DEPTH
A XX	BAFFLESBAFFLE FILTER
	MANHOLE LOC
	6" PORT LOC
	SLOTTED
WESTLAND COURT HO-15-0163	DATE ON LID
PRE-CONSTRUCTION:	
4/30/2019 TRENCHES STAKED BY SURVEYOR, CON	TOUR ACCURATE. HOUSE
OUT ESTIMATED. USING BF, ESTIMATED ~3' COVER	
START P	
INSTALLATION: 5/1/2019 SHC INSTALLED. SEWER OUT	FULL OF SEWAGE.
TANK SET AND CONNECTED IN. ( 5/2/19- SHE IN	spectia, contractor onsite
line from tank to abox already covered trenches = stone look good	4' inlet 3' wide 7' death
all trenches were backfilled except the ands which were	left open for inspection.
OK to continue ok to backfill system abox level levelers	good installation complet
6k to final (ex)	
FINAL INSPECTOR Ryan Repagor DATE OF APPROV	AL 5/2/19
FINAL INSPECTOR Ryante papert DATE OF APPROV	AL ZIT



5485 Harpers Farm Road • Suite 200 • Columbia, Maryland 21044 (410) 997-8800 • Fax (410) 997-4358

March 26, 2018

Mr. Michael Davis, Assistant Director Bureau of Environmental Health Howard County Health Department 8930 Stanford Blvd Columbia, Maryland 21046

Attn: Mr. Jeff Williams

Re:

Westland Farm Estates, Lot 8

12541 Westland Court

Waiver Request

Dear Mr. Williams:

On behalf of our client, WBG Westland Farm LLC, and pursuant to emails with Hank Oswald this past week, we are requesting a waiver to the 10-foot Septic easement to Lot Line distance as required by the current Well and Septic Program and the Howard County Code, Section 3.808 (C) Distance to 5-foot off the property line.

Please note that there are no structures proposed to be constructed adjacent to this lot line on Lot 7.

In closing, we respectfully request approval of this waiver and should you require additional information, please contact Stephanie Tuite at 410-461-2855.

Very truly yours,

Mr. Bob Corbett

WBG Westland Farm LLC

WO #05062-3003



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:

**Westland Farm Estates** 

Phase 2, Lot 8

Date:

April 4, 2018

The amended perc cert plan for Westland Farm Estates, Lot 8 has been reviewed with the following comments:

- 1.) Match legend symbol for existing well with wells on plan
- 2.) Match legend symbol for failed perc with symbol on plan
- 3.) Add well field location note with tag number
- 4.) Add SDA field location/stake note prior to septic permit issuance
- 5.) Request a waiver to the 5 foot setback to property line (Required for new construction)

### Stephanie Tuite, RLA, PE, LEED AP BD&C FISHER, COLLINS & CARTER, INC.

From: Oswald, Hank < hoswald@howardcountymd.gov>

Sent: Monday, March 19, 2018 2:17 PM

To: Stephanie Tuite < Stephanie@fcc-eng.com>

Subject: RE: Westland Farm Estates (Lot 8) - Westland Court - but previously Lime Kiln Road address

Hi Stephanie:

Attached, please find a copy of the septic specs for Westland Farms Lot 8

#### Hank

From: Stephanie Tuite [mailto:Stephanie@fcc-enq.com]

Sent: Monday, March 19, 2018 1:13 PM

To: Oswald, Hank

Subject: Westland Farm Estates (Lot 8) - Westland Court - but previously Lime Kiln Road address

Importance: High

Hank,

You sent me septic specs a while back for Westland Farm Estates Lot 8. You gave me the initial and first replacement. I want to be sure I have enough septic area for all three systems. Can you take another look and let me know the design for all three?

#### Steph



From:

Stephanie Tuite <Stephanie@fcc-eng.com>

Sent:

Monday, March 26, 2018 9:29 AM

To:

Oswald, Hank

Williams, Jeffrey

Cc: Subject:

RE: Westland Farm Estates (Lot 8) - Westland Court - but previously Lime Kiln Road

address

Thanks very much. Trying not to do a LPD system, but it may be our only option. I will see what we have with this additional area and see where it goes.

Steph

Stephanie Tuite, RLA, PE, LEED AP BD&C FISHER, COLLINS & CARTER, INC.

From: Oswald, Hank < hoswald@howardcountymd.gov>

Sent: Monday, March 26, 2018 9:09 AM

To: Stephanie Tuite <Stephanie@fcc-eng.com>

Cc: Williams, Jeffrey <jewilliams@howardcountymd.gov>

Subject: RE: Westland Farm Estates (Lot 8) - Westland Court - but previously Lime Kiln Road address

Hi Stephanie:

Please keep in mind that the setback to a swale is 25 feet. We would allow some additional area around hole# 521 (See attachment) but that's it. There is area at the top of the SDA that isn't being utilized. Have you considered a LPD design?

Hank

From: Stephanie Tuite [mailto:Stephanie@fcc-eng.com]

Sent: Friday, March 23, 2018 11:57 AM

**To:** Oswald, Hank **Cc:** Williams, Jeffrey

Subject: FW: Westland Farm Estates (Lot 8) - Westland Court - but previously Lime Kiln Road address

Importance: High

I have attached my prior markup and a new one. Had you thought about my request below. Can I get any additional area below the current septic easement, maybe the area I proposed around and to the right of hole 521? See attached.

Steph

Stephanie Tuite, RLA, PE, LEED AP BD&C FISHER, COLLINS & CARTER, INC.

From: Stephanie Tuite

Sent: Tuesday, March 20, 2018 10:39 AM

To: 'Oswald, Hank' < hoswald@howardcountymd.gov>

Subject: RE: Westland Farm Estates (Lot 8) - Westland Court - but previously Lime Kiln Road address

How much area will you let me add, anything at all? Enough to get one or two trenches to the right side? Steph

Stephanie Tuite, RLA, PE, LEED AP BD&C FISHER, COLLINS & CARTER, INC.

From: Oswald, Hank < hoswald@howardcountymd.gov >

Sent: Tuesday, March 20, 2018 8:08 AM

To: Stephanie Tuite < Stephanie@fcc-eng.com >

Subject: RE: Westland Farm Estates (Lot 8) - Westland Court - but previously Lime Kiln Road address

#### Hi Stephanie:

We will need a waiver request for the 5 foot setback to the property line and a note added to the plan about staking the property line prior to septic system installation. We can't approve the additional area down the hill, especially to the left of 521 without additional testing. It gets right into the middle of the swale.

#### Hank

From: Stephanie Tuite [mailto:Stephanie@fcc-eng.com]

Sent: Monday, March 19, 2018 2:47 PM

To: Oswald, Hank

Subject: RE: Westland Farm Estates (Lot 8) - Westland Court - but previously Lime Kiln Road address

Yikes. Just wanted to be sure. Not much credit.

Can you run a modification to the septic by Jeff and let me know if Health might entertain a modification to the septic area. See attached. I have shown two areas in red. One being an addition to the low side of the septic and the other putting the septic 5 feet from the property line. Helps give me more length at the upper portion of septic. Let me know if we could do one or both. A potential buyer is looking for 6 bedrooms and I would need more area based on the specs. Thanks.

Steph

Stephanie Tuite, RLA, PE, LEED AP BD&C FISHER, COLLINS & CARTER, INC.

From: Oswald, Hank < hoswald@howardcountymd.gov >

Sent: Monday, March 19, 2018 2:41 PM

To: Stephanie Tuite < Stephanie@fcc-eng.com >

Subject: RE: Westland Farm Estates (Lot 8) - Westland Court - but previously Lime Kiln Road address

Hole 522 perc'd at 5.5 ft. but had heavy loam to 6 feet. Hole 521 perc'd at 5.3 ft. I went over the specs with Jeff before I sent them to you.

From: Stephanie Tuite [mailto:Stephanie@fcc-eng.com]

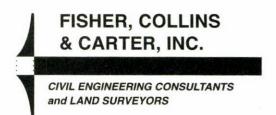
Sent: Monday, March 19, 2018 2:36 PM

To: Oswald, Hank

Subject: RE: Westland Farm Estates (Lot 8) - Westland Court - but previously Lime Kiln Road address

Only 0.5 foot?

Steph



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	Messer	nger 🔲 E	-Mail	☐ To Be Picked Up
	Fax (ori	ginal to follow	via U.S. Mail)			
To:	Howard Co	unty Healtl	n Department	Attn:	Jeff	
	8930 Stanfo	ord Blvd		Fax:		
	Columbia,	MD 21046		Phon	e:	
	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
From:	Tony Fertit	ta		CC:		
Re:	Lot 8 West	and Farm		W.O.	# 050	62-
Date:	October 16	, 2014		Page	s: <b>3</b>	Page(s) Including this cover
We a	re forwarding:	□ Prints	Copy of Letter	Specificati	ons	☐ Shop drawings ☐ Other
		☐ Urgent	For your use	As request	ed	For Review & Comment
Rema	arks:					
1 dat	Enclosed pl ed March 27,	ease find 2 2017, Perc	Copies and a may Certification Plan	ylar - " Lot 8 V	Vestlaı	nd Farms Estates" Sheet 1 of
	If we may be	of any furt	her assistance to	you, please de	on not	hesitate to call.
				Thank y	ou,	

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Via: ☐ Fax ☐ Mail ☐ Messenger ☐ Fax (original to follow via U.S. Mail)	☐ E-Mail ☐ To Be Picked Up
To: Bureau of Environmental Health 8930 Stanford Blvd	Attn: Hank Oswald Fax: (410) 313-2648
Columbia, MD 21046-4544	Phone: (410) 313-2640
From: Stephanie Tuite	CC:
Re: Westland Farm Estates Lot 8 - Septic Plan	W.O.# 05062-3003
Date: 12/07/18	Pages: Page(s) Including this cover

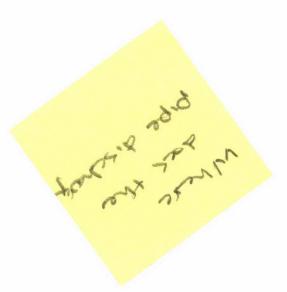
#### **CONFIDENTIALITY NOTICE**

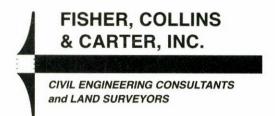
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### RECEIVED

010 07 2018

HOWARD COUNTY HEALTH DEPT. FOOD PROTECTION PROGRAM





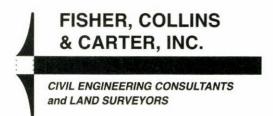
Terrell A. Fisher, P.E., L.S. Earl D. Collins, P.E. Charles J. Crovo, Sr., P.E., L.S.

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 ginal to follow w	☐ Messen	ger	☐ To Be Picked Up
То:	Howard County Health Department 8930 Stanford Blvd Columbia, MD 21046			Attn: <b>Ha</b> Fax: Phone:	ınk
From:	Tony Fertit	ta		CC:	
Re:	Lot 8 Westl	and Farm		W.O.# <b>05</b>	062-
Date:	April 4, 201	8		Pages: 3	Page(s) Including this cover
Rema	Enclosed pleed April 4, 20	ease find 2 ( 18, Perc Cer	tification Plan.	Specifications As requested  /lar - " Lot 8 Westl	Shop drawings Other For Review & Comment  and Farms Estates" Sheet 1 of the bit hesitate to call.
				Thank you,	

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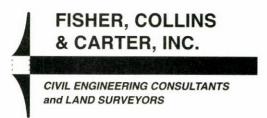
Terrell A. Fisher, P.E., L.S. Earl D. Collins, P.E. Charles J. Crovo, Sr., P.E., L.S.

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

Via:	☐ Fax	☐ Mail ginal to follow	☐ Messen	nger 🔲 I	E-Mail	☐ To Be Picked Up
To:	Howard Co	unty Health	n Department	Attn	: Je	eff
	8930 Stanfo	rd Blvd		Fax		
	Columbia, I	MD 21046		Pho	ne:	
From:	Tony Fertitt	a		CC:		
Re:	Lot 8 Westl	and Farm		W.C	.# 05	5062-
Date:	October 16,	2014		Pag	es: 3	Page(s) Including this cover
We ar	e forwarding:	☐ Prints☐ Urgent	Copy of Letter For your use	Specificat		Shop drawings Other For Review & Comment
1 date	Enclosed ple ed March 27,	ease find 2 2017, Perc	Copies and a may Certification Plan	/lar - "Lot 8	West	land Farms Estates" Sheet 1 of
	If we may be	of any furti	her assistance to	you, please c	lon no	ot hesitate to call.
	Thank you,					

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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	ger	☐ E-M	lail	To Be Picked U	Jp
		ginal to follow via						
To:		Environmental	Health		Attn:	Hank	Oswald	
	8930 Stanfo	ord Blvd			Fax:	(410)	313-2648	
	Columbia, I	MD 21046-454	4		Phone:	(410)	313-2640	1
From:	Stephanie 7	Γuite			CC:			
Re:	Westland F	arm Estates L	ot 8 - Septic P	lan	W.O.#	0506	2-3003	
Date:	12/07/18				Pages:	P	age(s) Including	this cover
				***************************************				
We ar	e forwarding:	⊠ Prints □	Copy of Letter	Spec	ification	s [	Shop drawings	Other
		Urgent	For your use	As re	equested	d [	For Review & Co	omment
Rema	rks:							
		<b>6</b> 1 4						
West	land Farm Es	states, Lot 8.	pies of the r Building Permi	evised \$ t #180038	Septic 348 .	Plan 1	or 12541 Westl	and Court,
Pleas	e call with ar	ny questions.						
	· · · · · · · · · · · · · · · · ·	., -	Stephani	e Tuite. F	RLA, PE	, LEE	D AP BD&C	
			Fisher, C		and the same			

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Via:	☐ Fax	☐ Mail		☐ E-Mail	☐ To Be Picked Up	
То:	Bureau of I 8930 Stanfo	Environment	tal Health	Fax: <b>(4</b>	ank Oswald 10) 313-2648 10) 313-2640	
From:	Stephanie '	Tuite		CC:		
Re: Date:	Westland F 01/08/19	arm Estates	Lot 8 - Septic Plan	W.O.# <b>05</b> Pages:	6062-3003 Page(s) Including this cover	
We ar	re forwarding:	☑ Prints ☐ Urgent		Specifications As requested	☐ Shop drawings ☐ Other ☐ For Review & Comment	
	ched please		copies of the revise Building Permit #18		n for 12541 Westland Court,	
Pleas	Please call with any questions.  Stephanie Tuite, RLA, PE, LEED AP BD&C Fisher, Collins & Carter, Inc.					

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From:

Oswald, Hank

Sent:

Thursday, December 20, 2018 9:33 AM

To:

Stephanie Tuite (Stephanie@fcc-eng.com)

Cc:

'MARINAMORRIS@WILLIAMSBURGLLC.COM'

Subject:

OSDS Plan\_12541 Westland Court

#### Hi Stephanie:

As I stated before, there is a slope greater than 25% within 25 feet of the tanks and SDA. I cannot approve the septic plan and building permit for 12541 Westland Court until this is corrected.

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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Via: ☐ Fax ☐ Fax (orig	☐ Mail inal to follow via U	☑ Messenger	☐ E-Mail	☐ To Be Picked U	Jp
8930 Stanfo	nvironmental H rd Blvd ID 21046-4544	Health	Fax: <b>(4</b> 1	nk Oswald (0) 313-2648 (0) 313-2640	
From: Stephanie T	uite		CC:		
Re: Westland Fa	arm Estates Lo	t 8 - Septic Plan	W.O.# <b>05</b>	062-3003	
Date: 12/17/18			Pages:	Page(s) Including	g this cover
We are forwarding:  Remarks:  Attached please Westland Farm Es  Please call with an	Urgent F	ies of the revisuilding Permit #15			

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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:

12541 Westland Court

Westland Farm, Lot 8

Date:

November 26, 2018

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

- 1.) Eliminate any steep slopes closer than 25 feet to the septic tank or SDA (See attachment highlight in yellow)
- 2.) Eliminate swale directed towards SDA (See attachment highlight in green).
- 3.) Septic Profile doesn't seem to match grading on plan and list of elevations. There appears to be more than 3 feet of cover over a portion of the septic tank. The d-box cannot be 5 feet in ground.

Website: www.hchealth.org Facebook: www.facebook.com/hocohealth Twitter: @HoCoHealth

From:

Oswald, Hank

Sent:

Monday, November 26, 2018 10:12 AM

To:

Stephanie Tuite (Stephanie@fcc-eng.com)

Subject:

OSDS Plan 12541 Westland Court

Attachments:

Westland Farm\_Lot 8.pdf; OSDS Memo To FCC\_2018.pdf

Hi Stephanie:

Attached, please find comments pertaining to the review of the OSDS Plan for Westland Court, Lot 8.

Respectfully,

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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From:

Oswald, Hank

Sent:

Wednesday, December 12, 2018 9:53 AM

To:

Stephanie Tuite (Stephanie@fcc-eng.com)

Cc:

'MARINAMORRIS@WILLIAMSBURGLLC.COM'

Subject:

OSDS Plan\_12541 Westland Court

Attachments:

Well and Septic Setbacks to Residential Stormwater Devices.pdf

Hi Stephanie:

Attached, please find a copy of our storm water device setbacks. Both inlet and outlet must be at least 25 feet from the SDA. Please label the outfall/outlet and pvc pipe. Does it need a rip rap?

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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Oswald, Hank

Sent:

Thursday, January 10, 2019 8:40 AM

To:

'Stephanie Tuite'

Subject:

RE: Westland Lot 8 septic plan

Hi Steph:

Thanks. The septic plan has been approved.

Hank

**From:** Stephanie Tuite [mailto:Stephanie@fcc-eng.com]

Sent: Thursday, January 10, 2019 8:34 AM

To: Oswald, Hank

Subject: RE: Westland Lot 8 septic plan

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

you know the sender.

The square is a sign along the common driveway. I was waiting for the septic plan to be approved/signed then I was going to drop off a copy to DILP.

Steph

Stephanie Tuite, RLA, PE, LEED AP BD&C FISHER, COLLINS & CARTER, INC.

From: Oswald, Hank < hoswald@howardcountymd.gov>

Sent: Thursday, January 10, 2019 8:30 AM
To: Stephanie Tuite < Stephanie@fcc-eng.com >
Subject: RE: Westland Lot 8 septic plan

Hi Stephanie:

Yes, I have it. Two follow-up questions. What is the small square next to the well box? Has the building permit site plan been updated to match the OSDS Plan elevations and inlet in swale etc.?

Thanks.

Hank

**From:** Stephanie Tuite [mailto:Stephanie@fcc-eng.com]

Sent: Wednesday, January 09, 2019 9:52 PM

To: Oswald, Hank

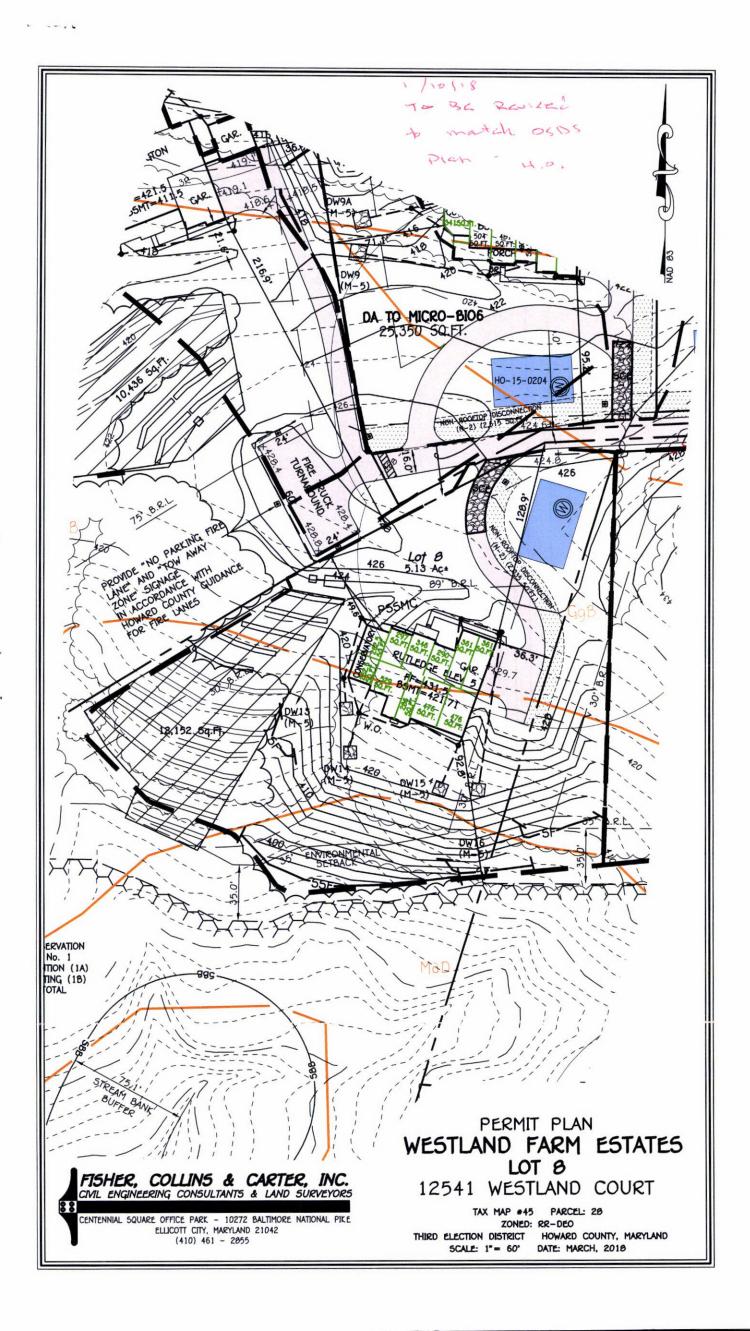
Subject: Westland Lot 8 septic plan

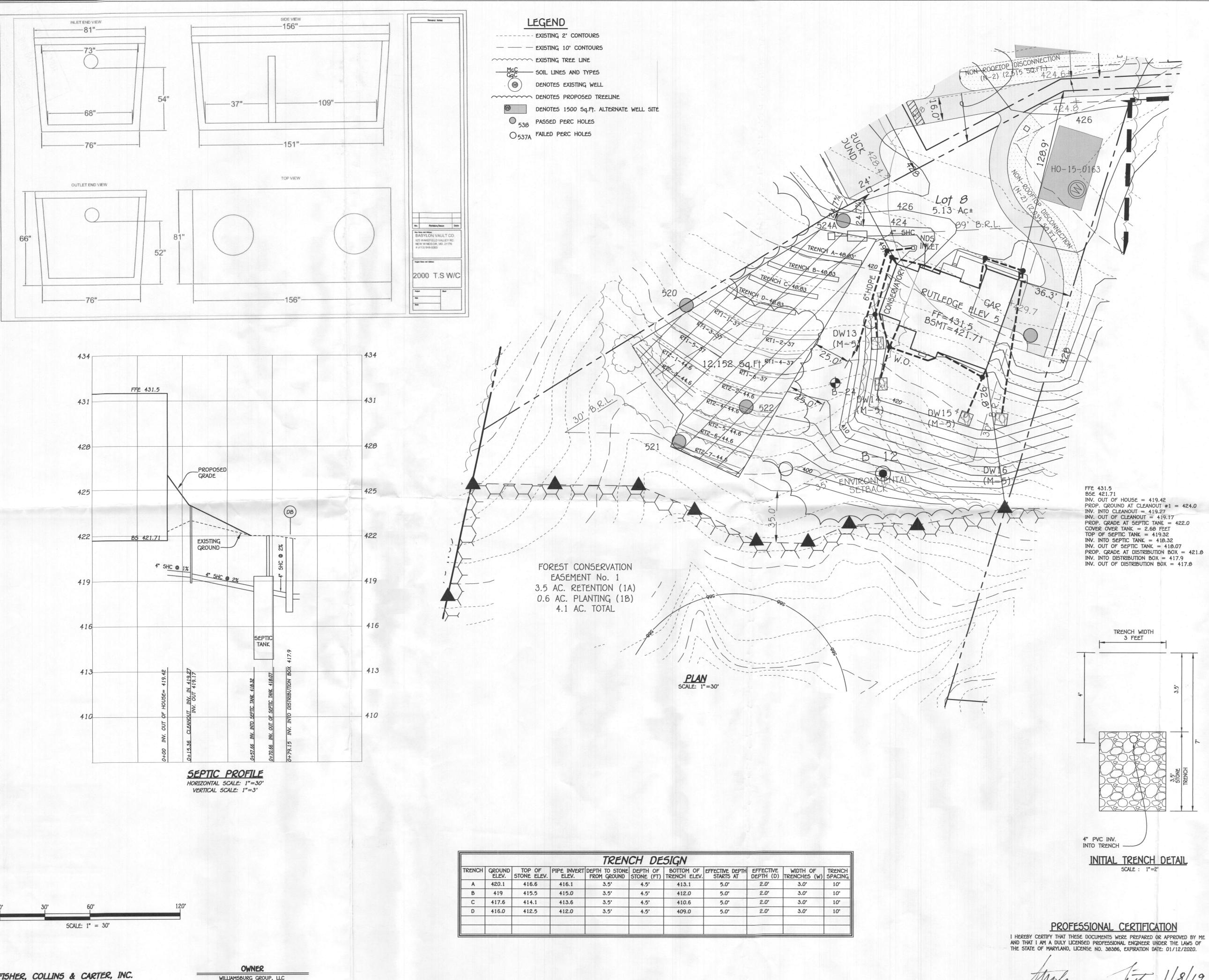
[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

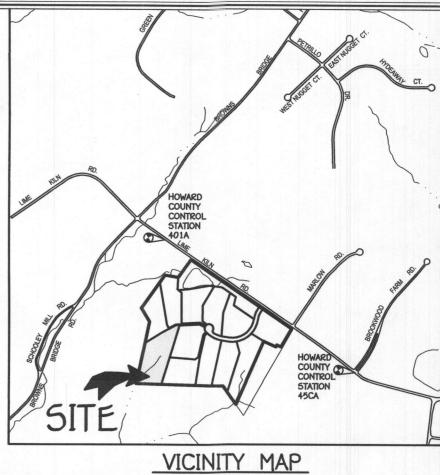
Tuesday afternoon we dropped off Lot 8, just wanted to be sure you received it.

### Steph









SCALE : 1" = 1200'

GENERAL NOTES:

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.

4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN

SHOWN FROM THE BEST AVAILABLE INFORMATION. 5. TOPOGRAPHIC CONTOURS BASED ON HARFORD AERIAL SURVEYS, INC. DATED JANUARY 2006 AND SUPPLEMENTED WITH FIELD RUN TOPOGRAPHY BY FISHER, COLLINS & CARTER, INC ON OR ABOUT APRIL, 2006 AND JANUARY, 2015

6. BOUNDARY OF LOT BASED ON PLAT #23986 AND FIELD SURVEY BY FISHER, COLLINS & CARTER, INC. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION

8. PLAT REFERENCE: 23895 THRU 23987. SUBJECT PROPERTY ZONED: RR-DEO

TOTAL AREA OF PROPERTY: 5.13 AC. WETLANDS, STREAMS, THEIR BUFFERS, FLOODPLAIN, AND STEEP SLOPES DO NOT EXIST ON THIS LOT. 12. SOILS SHOWN HEREON ARE BASED ON NRCS WEB SOIL SURVEY AND HOWARD COUNTY SOILS MAP 3. 13. ANY ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN. 14. ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE

ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED. 15. THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A

HEAVY LOAD BEARING TANK." (IF NOT A LOAD BEARING SEPTIC TANK) 16. THE WELL HO-15-0163 HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC.

MAY BE REQUIRED.

1. ANY CHANGES TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN

2. THE MAXIMUM COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.

3. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND 200 FEET DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

> Approved Septic System Plan Howard County Health Department Hank Oswald 1/10/19 Signature

<u>SEWAGE DISPOSAL SYSTEM DATA - INITIAL SYSTEM</u>
<u>5 BEDROOMS</u>

LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD APPLICATION RATE = 0.8 EFFECTIVE SIDEWALL BEGINS AT 5 FEET TRENCH DEPTH = 7 FEET TRENCH WIDTH (W) = 3 FEET EFFECTIVE DEPTH (D) = 2 FEET 5F OF DRAINFIELD = 750 GPD / 0.8 = 937.5 5F COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D)=(3+2)/(3+1+(2x2)=0.625

TRENCH LENGTH =  $937.5 \text{ SF } \times 0.625 / 3 = 195.3 \text{ SF}$ 

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

(4 TRENCHES AT 40.03

SEWAGE DISPOSAL SYSTEM DATA - REPLACEMENT SYSTEM LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD APPLICATION RATE = 0.8 EFFECTIVE SIDEWALL BEGINS AT 4.5 FEET TRENCH DEPTH = 6 FEET TRENCH WIDTH (W) = 3 FEET EFFECTIVE DEPTH (D) = 1.5 FEET 5F OF DRAINFIELD = 750 GPD / 0.8 = 937.5 5F COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D)=(3+2)/(3+1+(2x1.5)=0.71TRENCH LENGTH = 937.5 SF x 0.71 / 3 = 221.00 SF

(6 TRENCHES AT 36.98) TRENCH SPACING = 2D+W = ((2\*1.5) + 3) = 6' USE 10' SEWAGE DISPOSAL SYSTEM DATA - REPLACEMENT SYSTEM 5 BEDROOMS LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD

APPLICATION RATE = 0.8 EFFECTIVE SIDEWALL BEGINS AT 5.5 FEET TRENCH DEPTH = 6 FEET TRENCH WIDTH (W) = 3 FEET EFFECTIVE DEPTH (D) = .5 FEET 5F OF DRAINFIELD = 750 GPD / 0.8 = 937.5 5F COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D)=(3+2)/(3+1+(2x.5)=1TRENCH LENGTH =  $937.5 \, \text{SF} \times 1 \, / \, 3 = 312.5 \, \text{SF}$ (7 TRENCHES AT 44.64)

Signature Of Professional Engineer

TRENCH SPACING = 20+W = ((2\*1.5) + 3) = 6' USE 10'

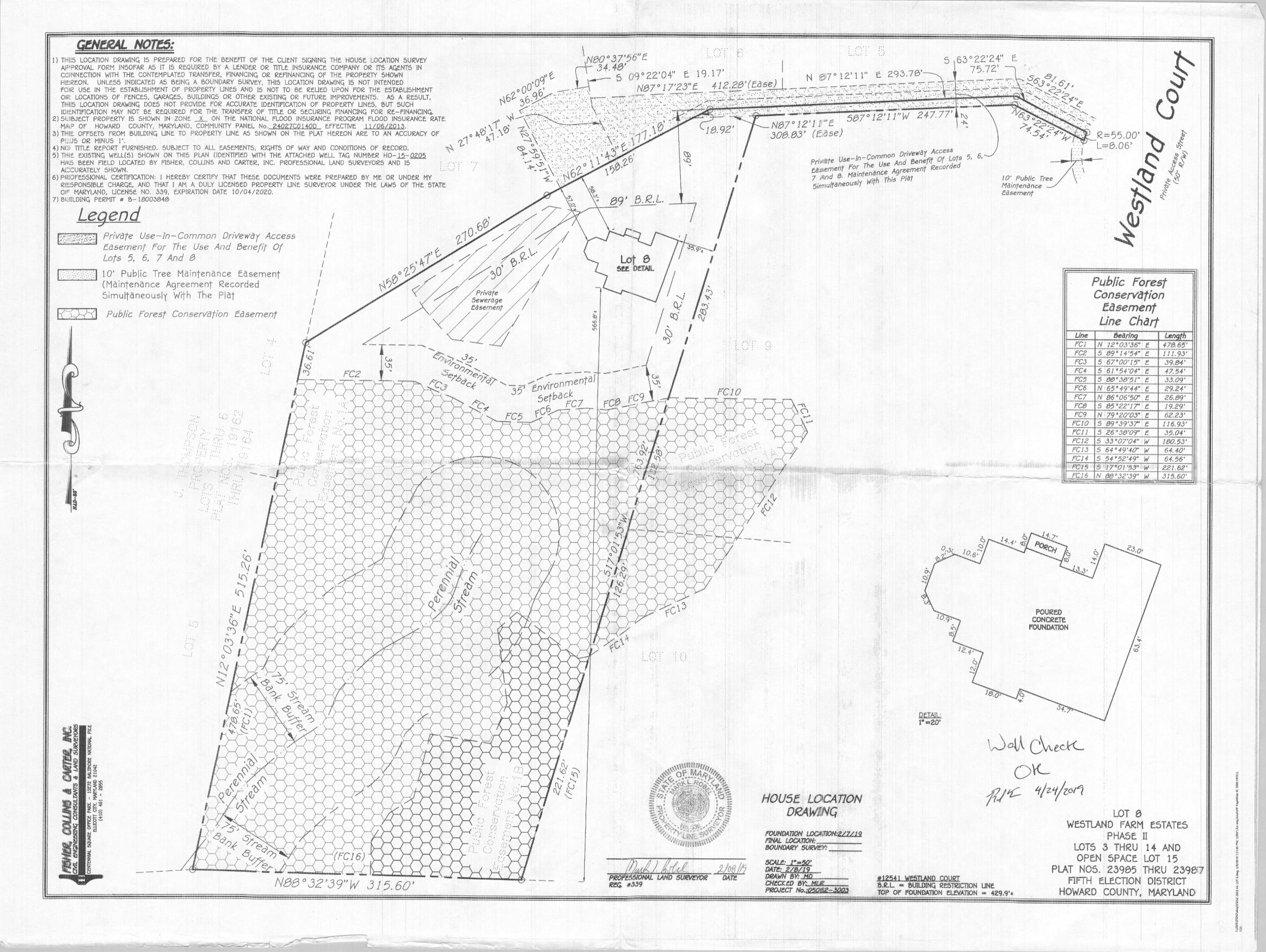
SEPTIC PLAN WESTLAND FARM ESTATES LOT 8

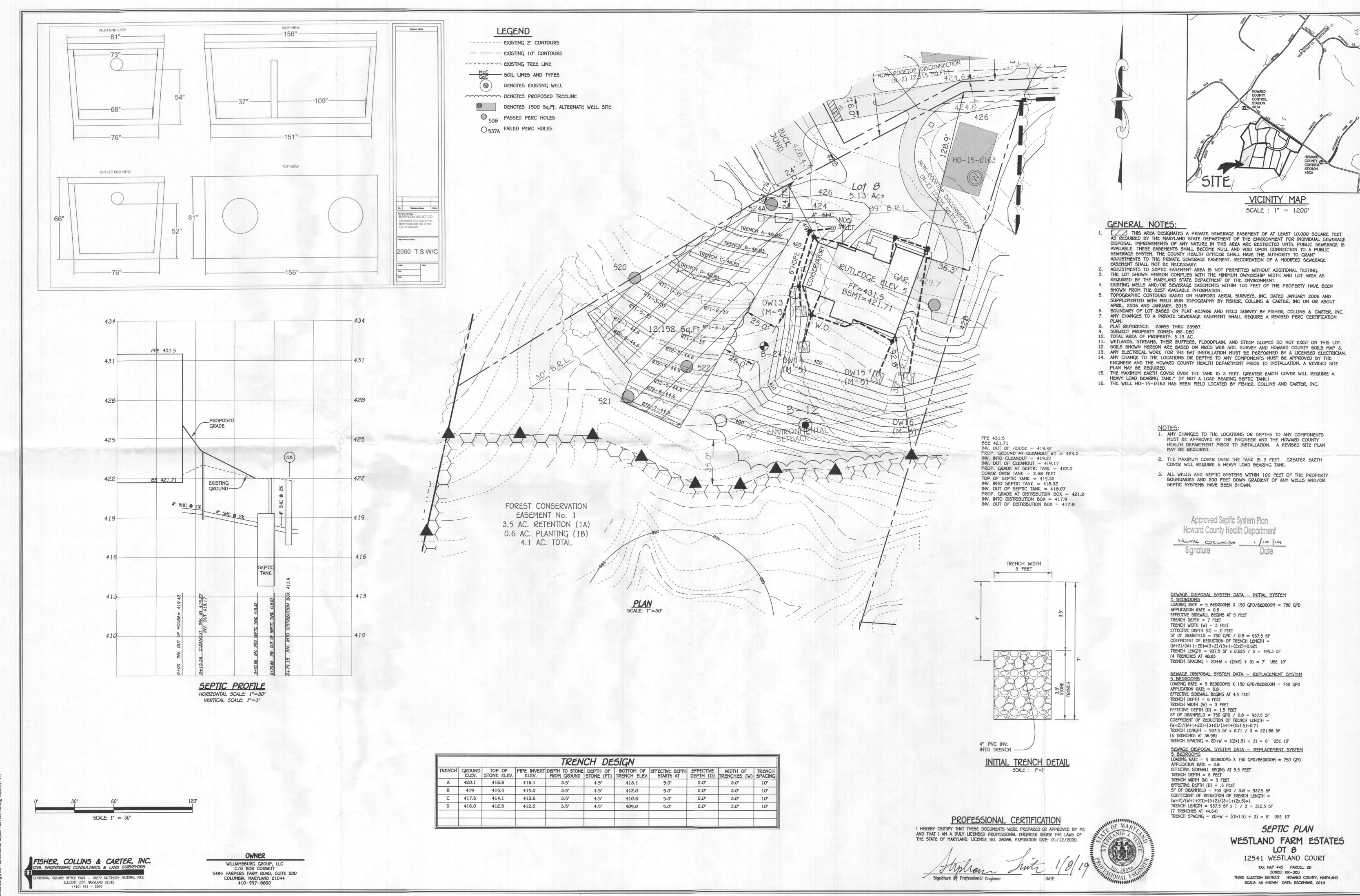
12541 WESTLAND COURT TAX MAP #45 PARCEL: 28 ZONED: RR-DEO THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: DECEMBER, 2018

FISHER, COLLINS & CARTER, INC. QUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE

WILLIAMSBURG GROUP, LLC C/O BOB CORBETT 5485 HARPERS FARM ROAD, SUITE 200 COLUMBIA, MARYLAND 21044 410-997-8600

(410) 461 - 2055





5062) dwg Plot Plans (05062 Sentic Plan Lot & dwg Lavout 111