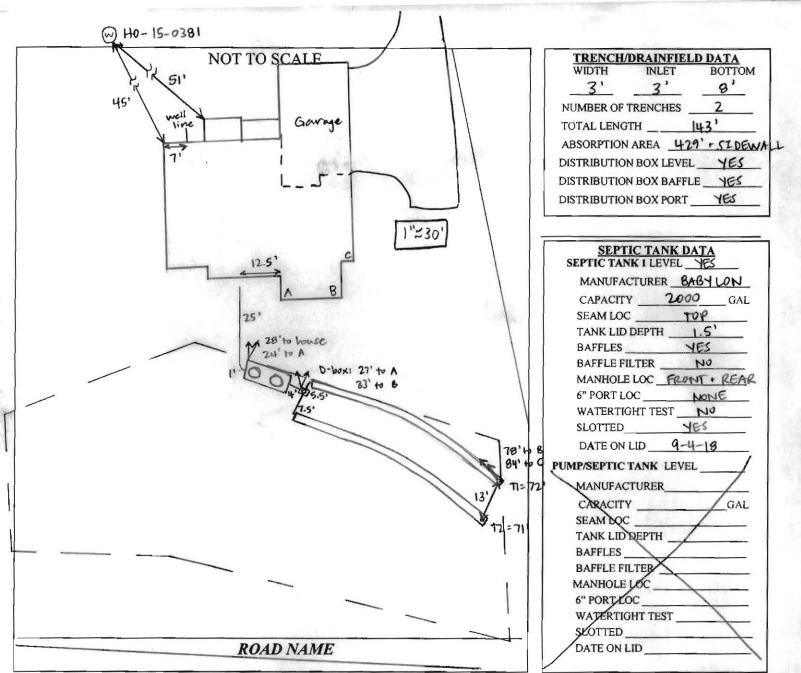
| N | oward County ealth Department | 8: T | 930 Stanford Bould Main: 410-313-26 DD 410-313-2323 <u>www.</u> Facebook: www.fa | vironmental Hea ivard, Columbia, MD 540 Fax: 410-313-20 Toll Free 1-866-313 hchealth.org acebook.com/hocohe | 21045 648 6300 ealth |
|-----------------------------|---|--|--|--|--|
| 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 | | | |
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PRE-CONSTRUCTION:

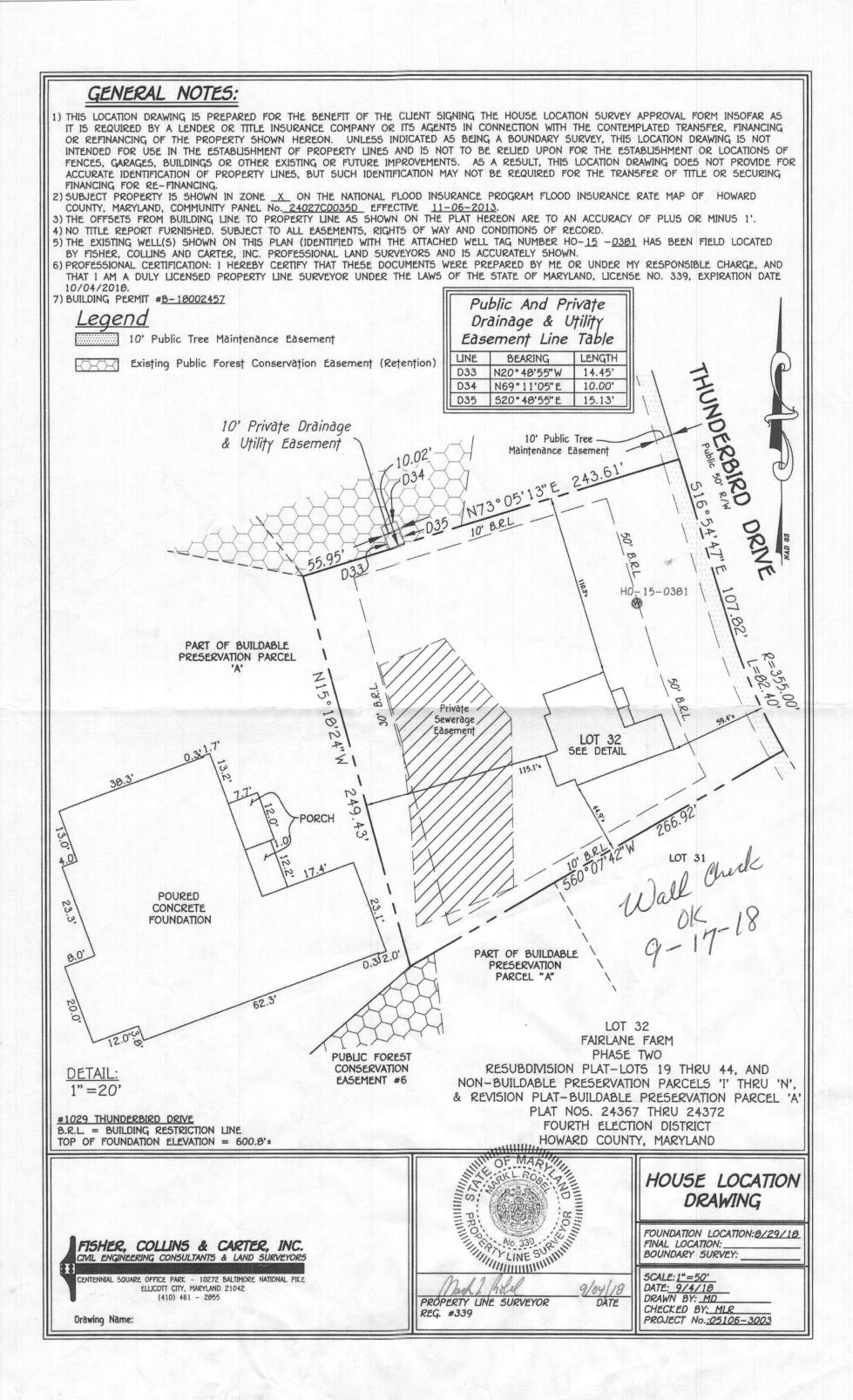
10/9/18 Met S. Canvill on site for layout. SDA conners staked. Shot contour + laid art 2×67' trenches per plan. Dug a test hole just below T2 to check depth of effective soil. Sich to 3.5', perc of 4:50 at 5.5'. Rate is still 0.8 9Pd/ft² when averaged with hole #751. Change effective sidewall to 4.5' (3.5' -> 8') - need 144' total. Adjust length of trenches to 2×72' and keep tank 20' off house. (SC)

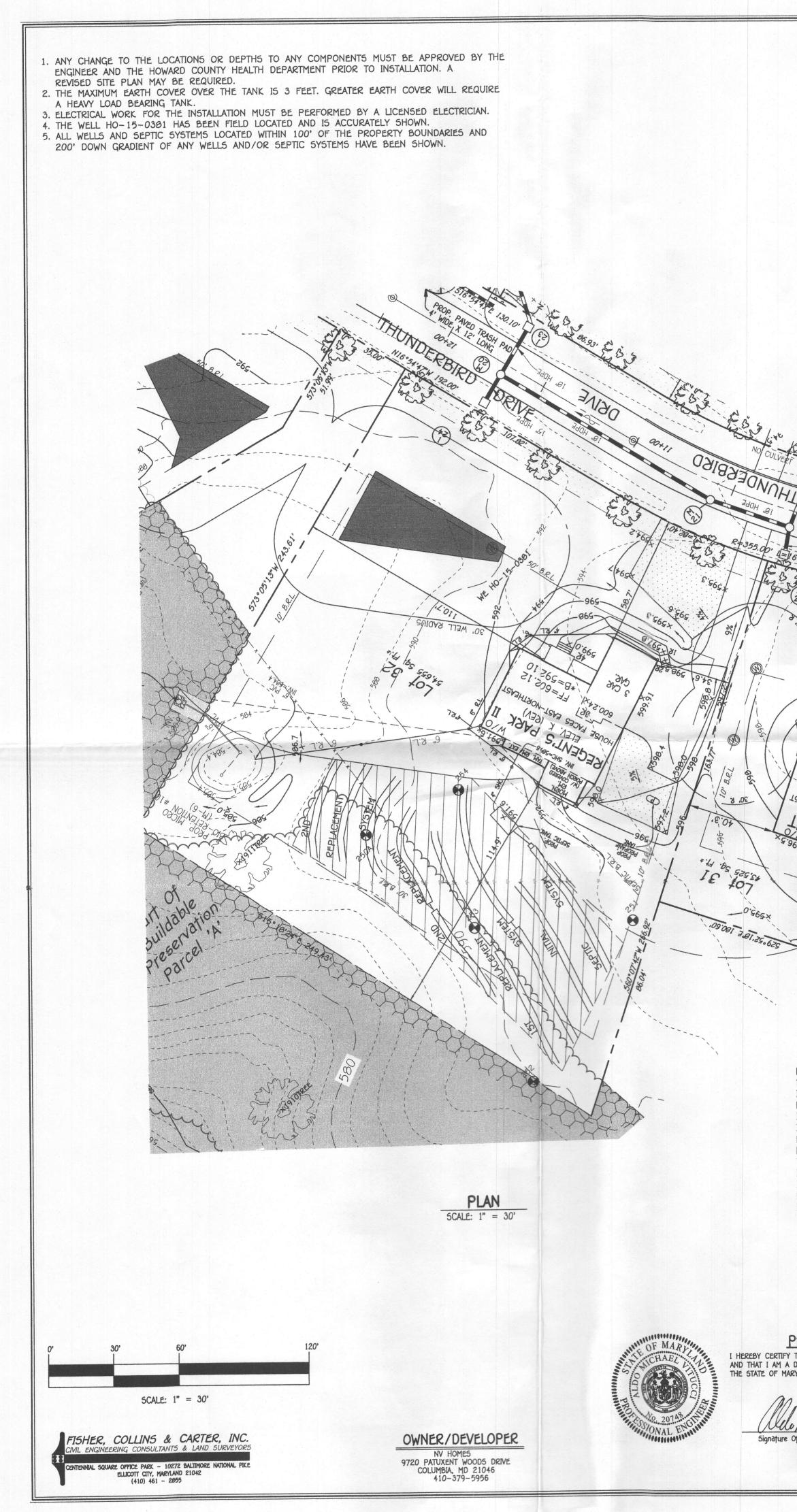
INSTALLATION: 10/10/18 Tank set. Pipe non from house to tank. Sewer line coming out of the house under the footer but does not have fall. Plumber must fix pipe before hense connection is made. [Corrective action.] @ 10/12/18 House connection made, pipe out of house has fall. [Corrective action completed.] 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

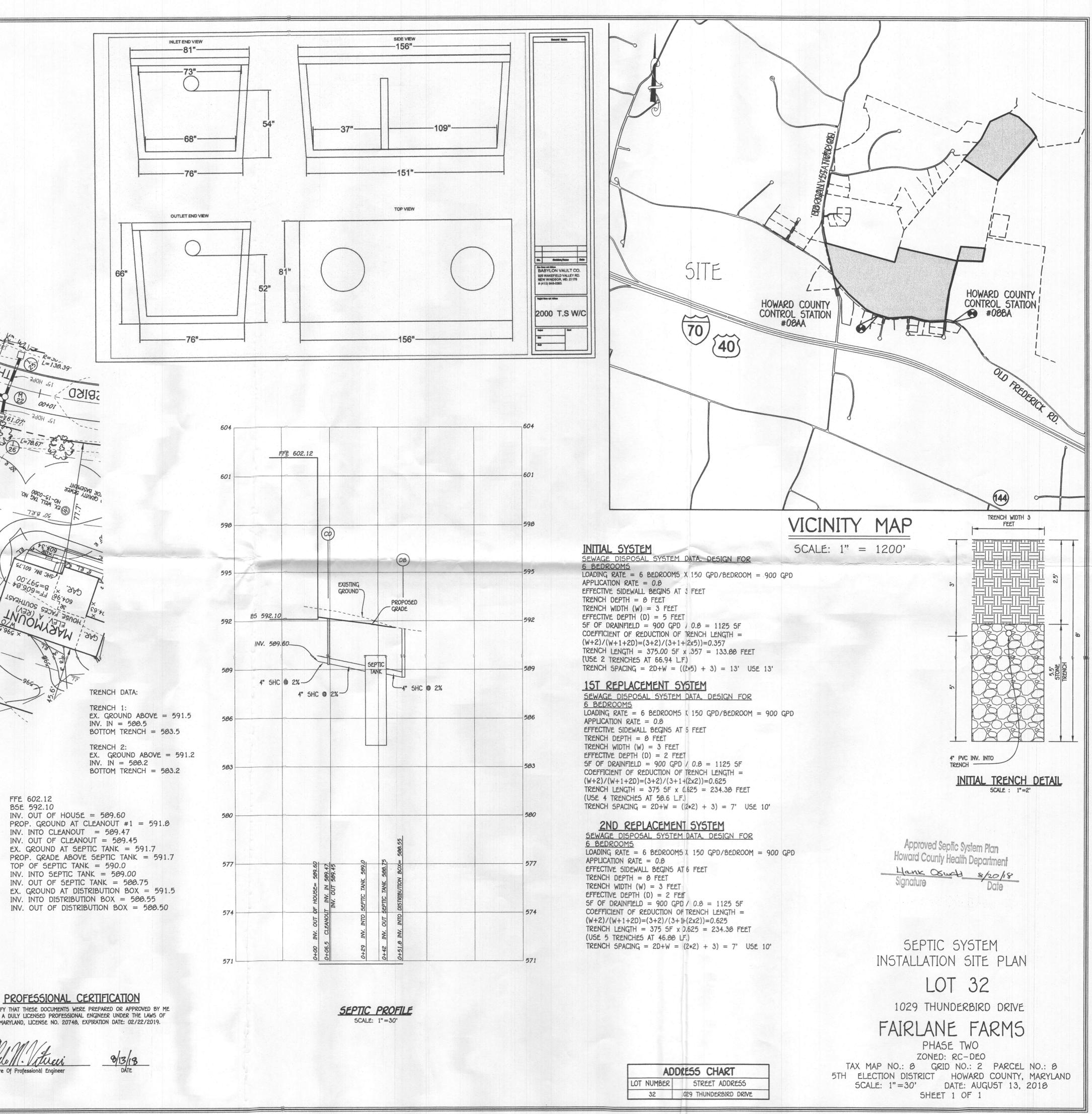
FINAL INSPECTOR

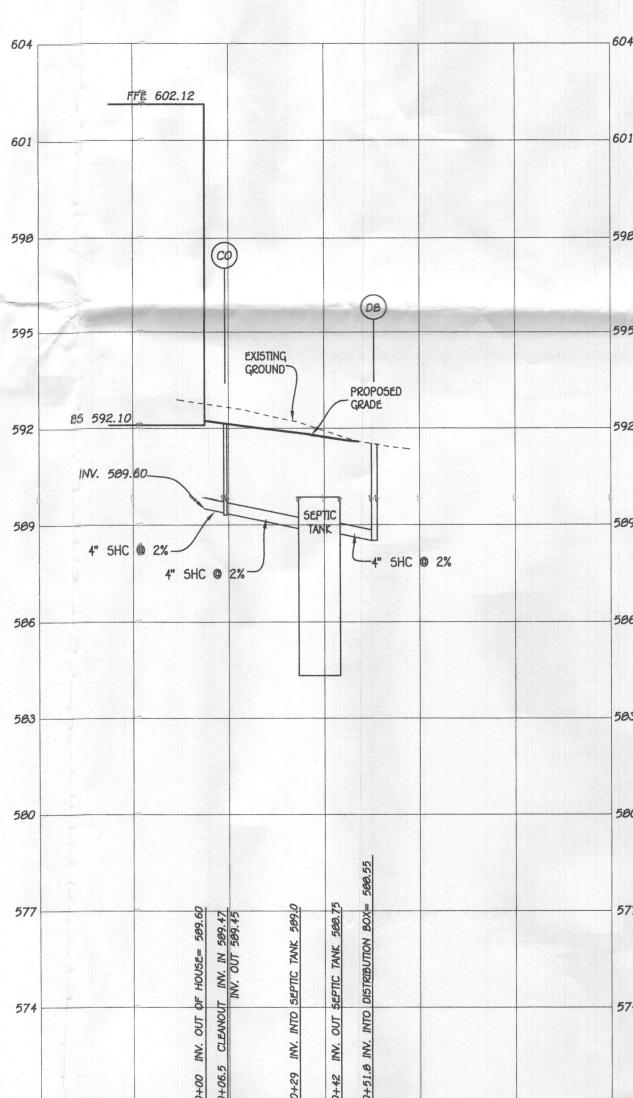
Sarah Collins

. DATE OF APPROVAL _________







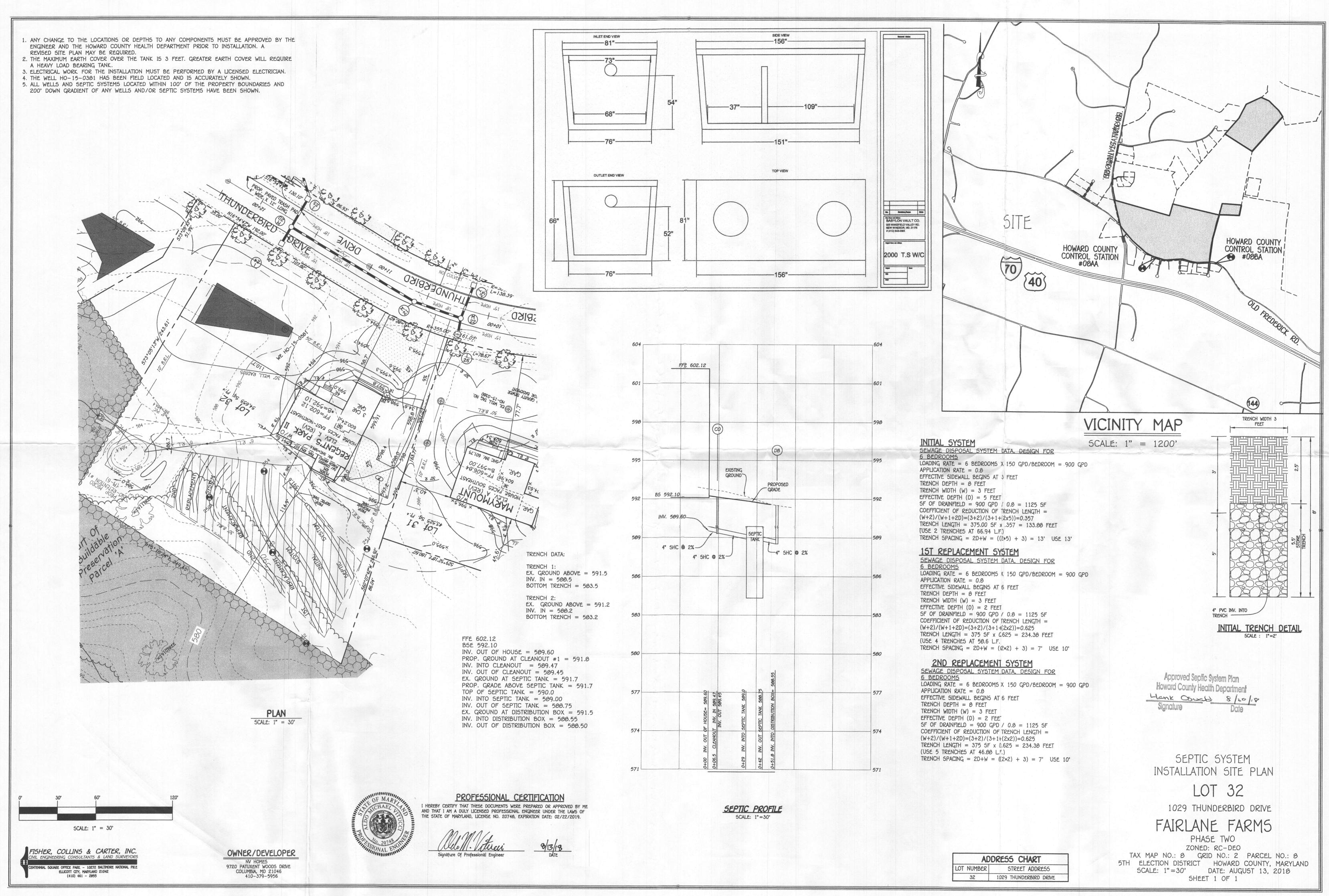


FFE 602.12 BSE 592.10 INV. OUT OF HOUSE = 589.60PROP. GROUND AT CLEANOUT #1 = 591.8INV. INTO CLEANOUT = 589.47 INV. OUT OF CLEANOUT = 589.45EX. GROUND AT SEPTIC TANK = 591.7 PROP. GRADE ABOVE SEPTIC TANK = 591.7 TOP OF SEPTIC TANK = 590.0 INV. INTO SEPTIC TANK = 589.00 INV. OUT OF SEPTIC TANK = 588.75 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 1st Replacement: Application rate: 0, 9 Effective area beginning depth: 6 Bottom maximum depth: 8 2nd 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 |
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| | 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

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| | 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

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|--|---|
| Via: Fax Mail Messenger | E-Mail To Be Picked Up |
| To: Bureau of Environmental Health 8930 Stanford Blvd. Columbia, Maryland 21046-4544 | Attn: Hank Fax: Phone: 410-313-2640 |
| 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

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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 |
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| | Columbia, I | Maryland 2 | 21046-4544 | Phor | ne: 4 * | 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 |
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| | | Urgent | For your use | As reques | ted | Sor Review & Comment |
| We an | | | | | | ······ |

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Thank You,

Tony.

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

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