

**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](http://www.hchealth.org)  
 Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

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

RECEIPT DATE: 7/5/18 **ONSITE SEWAGE DISPOSAL SYSTEM** P 563048  
 APPROVAL DATE: 7/26/18 gsc **PERMIT: CONSTRUCTION** A \_\_\_\_\_

PROPERTY ADDRESS: 1040 Fairlane Road

SUBDIVISION: Fairlane Farms LOT: 22 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

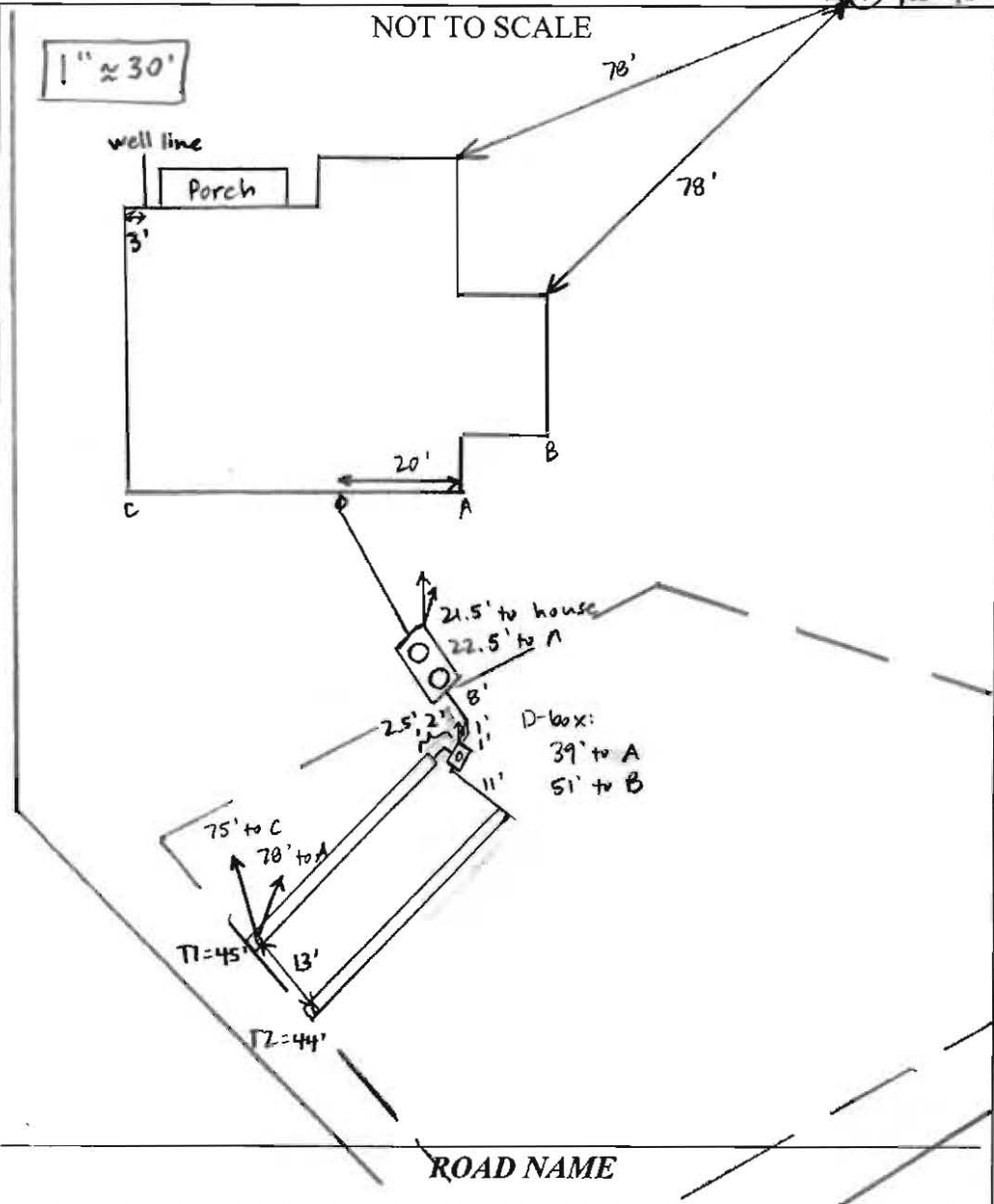
DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>87.50</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: Hank Oswald ISSUE DATE: 7/5/18 EXPIRATION DATE: 7/5/19

- 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 \_\_\_\_\_
- 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.**



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	3'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		89'
ABSORPTION AREA		267' + SIDEWALL
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

**SEPTIC TANK DATA**

SEPTIC TANK I LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	2000 GAL
SEAM LOC	TRP
TANK LID DEPTH	0.5 - 2'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT + REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	YES
DATE ON LID	5-8-18
<b>PUMP/SEPTIC TANK LEVEL</b>	
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

**PRE-CONSTRUCTION:**  
 7/12/18 Met S. Carroll on site for layout. Tank + SDA corners staked. Shot contour + laid out 2x44' trenches on contour. Found house connection under footer - will make fall to tank with < 3' cover and 3' trench inlet. (SC)

**INSTALLATION:** 7/13/18 House connection made. Tank + D-box set, connected with pipe. (SC)  
 7/26/18 T1 complete + left open at ends for inspection. 3' wide, 2.5' to stone. S. Carroll adding stone to T2, 3' wide + 3' inlet. leveled speed levelers in D-box. (SC)

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 7/26/18

## Oswald, Hank

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**From:** Oswald, Hank  
**Sent:** Monday, April 02, 2018 9:52 AM  
**To:** 'Tony Fertitta'  
**Subject:** OSDS Plan\_1040 Fairlane Road\_Storwater Management Device  
**Attachments:** OSDS Plan\_1040 Fairlane Road\_Storm Water Outflow Line.pdf

Hi Tony:

For the future storm water management pond next to Lot 22, we would like to see the 25 foot setback from the 580 line because that's where the outflow is located (See attachment). As a reminder, if you have to revise the SDA, then a revised perc cert will be required.

Let me know if you have any questions.

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](mailto:hoswald@howardcountymd.gov)

### CONFIDENTIALITY NOTICE

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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

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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:** 1040 Fairlane Road  
Fairlane Farms, Lot 22

**Date:** March 13, 2018

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The OSDS Plan for 1040 Fairlane Road has been reviewed with the following comments:

- 1.) For 5 foot of side wall credit, raise invert up to 3 feet, and change trench data plus trench detail to reflect.
- 2.) Change trench layout for 1<sup>st</sup> and 2<sup>nd</sup> replacement to reflect proper lengths on plan

## Oswald, Hank

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**From:** Oswald, Hank  
**Sent:** Tuesday, March 13, 2018 11:51 AM  
**To:** 'Tony Fertitta'  
**Subject:** OSDS Plan\_1040 Fairlane Road  
**Attachments:** OSDS Memo\_2018.pdf

Hi Tony:

Please see attached memo for OSDS Plan - 1040 Fairlane Road.

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](mailto:hoswald@howardcountymd.gov)

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# Transmittal

Via:  Fax  Mail  Messenger  E-Mail  To Be Picked Up  
 Fax (original to follow via U.S. Mail)

To: <b>Bureau of Environmental Health</b> <b>8930 Stanford Blvd.</b> <b>Columbia, Maryland 21046-4544</b>	Attn: <b>Hank</b> Fax: Phone: <b>410-313-2640</b>
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From: <b>Dave Harward</b>	CC:
---------------------------	-----

Re: <b>Fairlane Farms, Lot 22</b>	W.O.# <b>05106-3003</b>
Date: <b>March 8, 2018</b>	Pages: <b>0</b> Page(s) Including this cover

We are forwarding:	<input checked="" type="checkbox"/> Prints	<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Specifications	<input type="checkbox"/> Shop drawings	<input type="checkbox"/> Other
	<input type="checkbox"/> Urgent	<input type="checkbox"/> For your use	<input type="checkbox"/> As requested	<input checked="" type="checkbox"/> For Review & Comment	

Remarks:

**Re: Fairlane Farm, Lot 22, 1040 Fairlane Rd.**

**Here are 3 new copies of the OSDS for Lot 22. Please let me know if you have any questions.**

**If approved as is, please leave a copy up front for pickup.**

**Thank You !**

**Dave.**

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

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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: 22

Initial system: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 8

1<sup>st</sup> Replacement: Application rate: 0.8 Effective area beginning depth: 5 Bottom maximum depth: 8

2<sup>nd</sup> Replacement: Application rate: 0.8 Effective area beginning depth: 5 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:

$\frac{W + 2}{W + 1 + 2D} \times 100 =$  Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

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 Oswald Date: 12/14/17

# Transmittal

Via:  Fax  Mail  Messenger  E-Mail  To Be Picked Up  
 Fax (original to follow via U.S. Mail)

To: <b>Bureau of Environmental Health</b> <b>8930 Stanford Blvd.</b> <b>Columbia, Maryland 21046-4544</b>	Attn: <b>Hank</b> Fax: Phone: <b>410-313-2640</b>
---	---

From: <b>Tony Fertitta</b>	CC:
----------------------------	-----

Re: <b>Fairlane Farms, Lot 22</b>	W.O.# <b>05106-3003</b>
Date: <b>March 20, 2018</b>	Pages: <b>0</b> Page(s) Including this cover

We are forwarding: <input checked="" type="checkbox"/> Prints <input type="checkbox"/> Copy of Letter <input type="checkbox"/> Specifications <input type="checkbox"/> Shop drawings <input type="checkbox"/> Other <input type="checkbox"/> Urgent <input type="checkbox"/> For your use <input type="checkbox"/> As requested <input checked="" type="checkbox"/> For Review & Comment
---

Remarks:

Re: Fairlane Farm, Lot 22, 1040 Fairlane Rd.

Here are 3 new copies of the OSDS for Lot 22 with comments addressed, and ready for your approval. Please let me know if you have any questions.

Please leave a copy up front for pickup.

Thank You !

Tony.

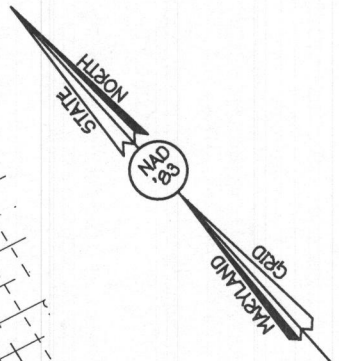
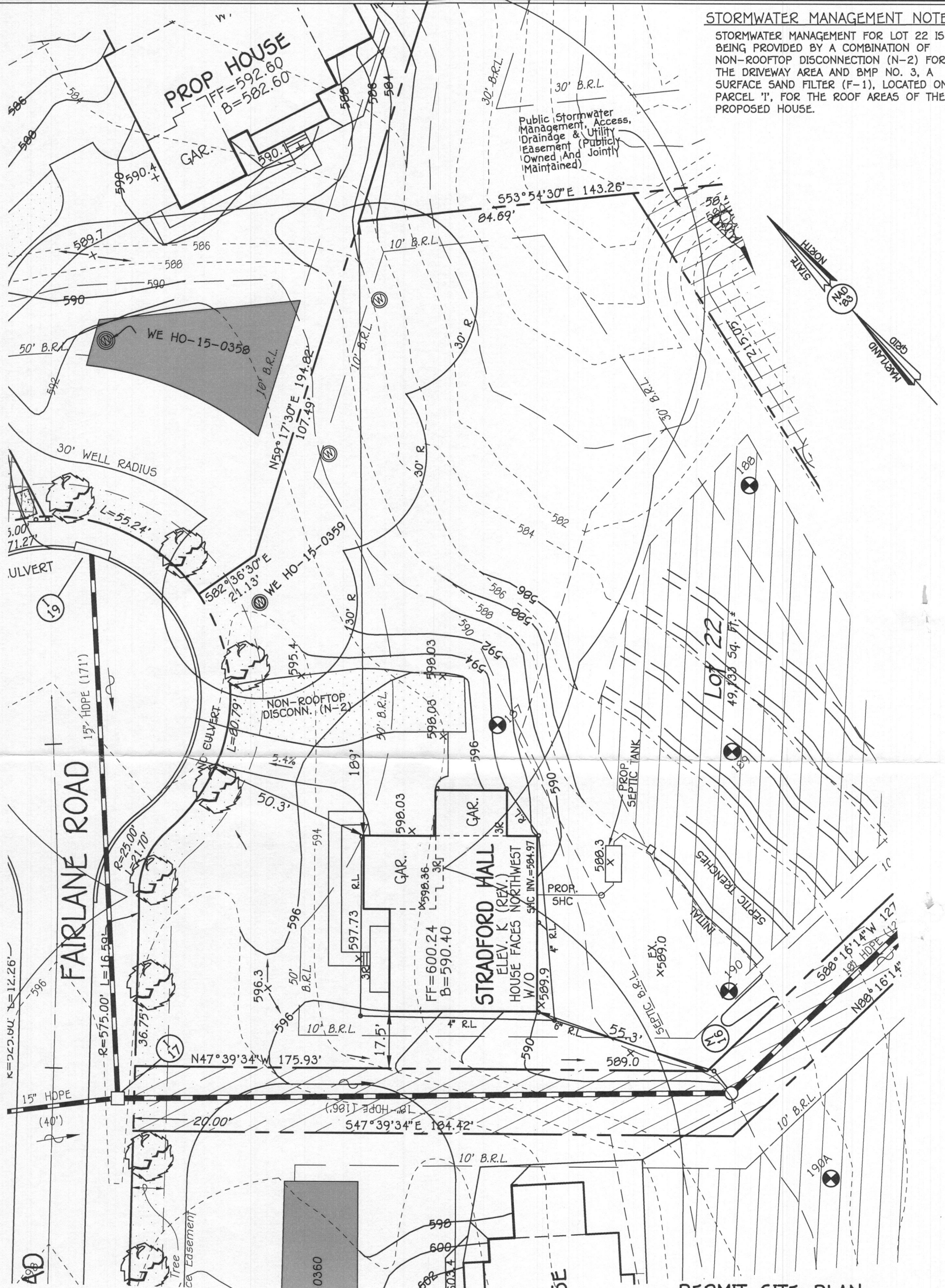
Fisher, Collins, & Carter, Inc. Ph. 410-461-2855

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**STORMWATER MANAGEMENT NOTES:**

STORMWATER MANAGEMENT FOR LOT 22 IS BEING PROVIDED BY A COMBINATION OF NON-ROOFTOP DISCONNECTION (N-2) FOR THE DRIVEWAY AREA AND BMP NO. 3, A SURFACE SAND FILTER (F-1), LOCATED ON PARCEL '1', FOR THE ROOF AREAS OF THE PROPOSED HOUSE.



**OWNER/DEVELOPER**

NV HOMES  
9720 PATUXENT WOODS DRIVE  
COLUMBIA, MD 21046  
410-379-5956

**PERMIT SITE PLAN  
LOT 22**

1040 FAIRLANE ROAD

**FAIRLANE FARMS**

PHASE TWO

ZONED: RC-DEO

**NOTE:** THE EXISTING WELL SHOWN ON THIS PLAN, HO-15-0358, HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21042  
(410) 461-2855

**PLAN**



SCALE: 1" = 30'

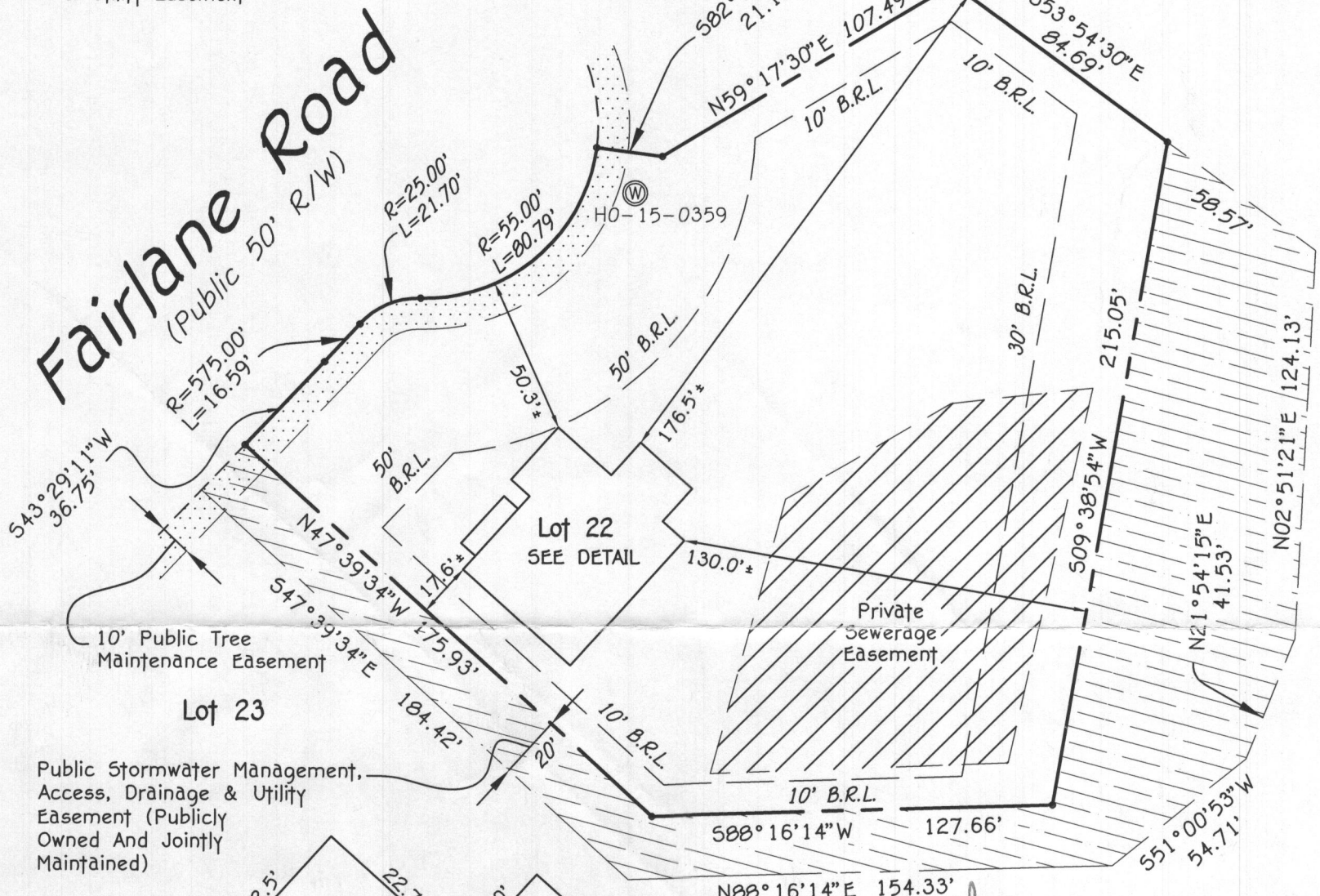
TAX MAP NO.: 8 GRID NO.: 2 PARCEL NO.: 8  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=30' DATE: MARCH 5, 2018  
SHEET 1 OF 1

**GENERAL NOTES:**

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INSOFAR AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE X ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 24027C0035D EFFECTIVE 11-06-2013.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 0.2'.
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-15-0359 HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.
- 6) PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 339, EXPIRATION DATE 10/04/2018.
- 7) BUILDING PERMIT #B-18000834

**Legend**

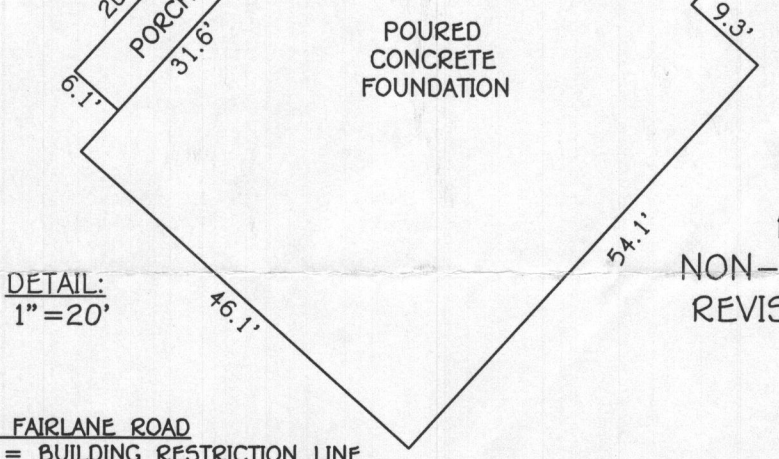
-  10' Public Tree Maintenance Easement
-  Public Stormwater Management, Access, Drainage & Utility Easement



**Fairlane Road**  
(Public 50' R/W)

10' Public Tree Maintenance Easement

Public Stormwater Management, Access, Drainage & Utility Easement (Publicly Owned And Jointly Maintained)



*Wall check OK DB 7-5-18*

NON-BUILDABLE PRESERVATION PARCEL 'I'

LOT 22  
FAIRLANE FARM  
PHASE TWO  
RESUBDIVISION PLAT-LOTS 19 Thru 44 AND  
NON-BUILDABLE PRESERVATION PARCELS 'I' THRU 'N',  
REVISION PLAT-BUILDABLE PRESERVATION PARCEL 'A'  
PLATS #24367 THRU #24372  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

#1040 FAIRLANE ROAD  
B.R.L. = BUILDING RESTRICTION LINE  
TOP OF FOUNDATION ELEVATION = 599.2'

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21042  
(410) 461 - 2855

Drawing Name:



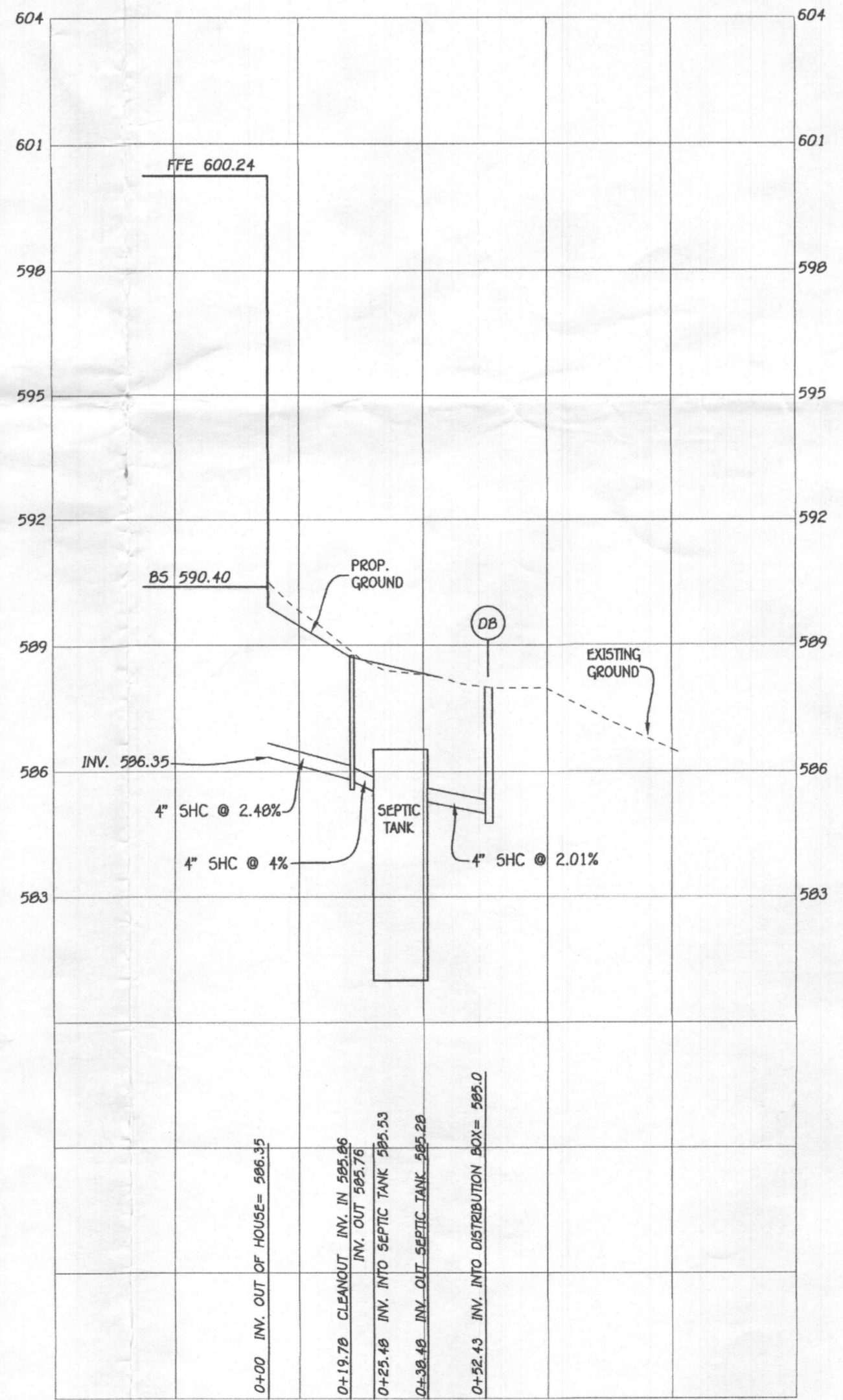
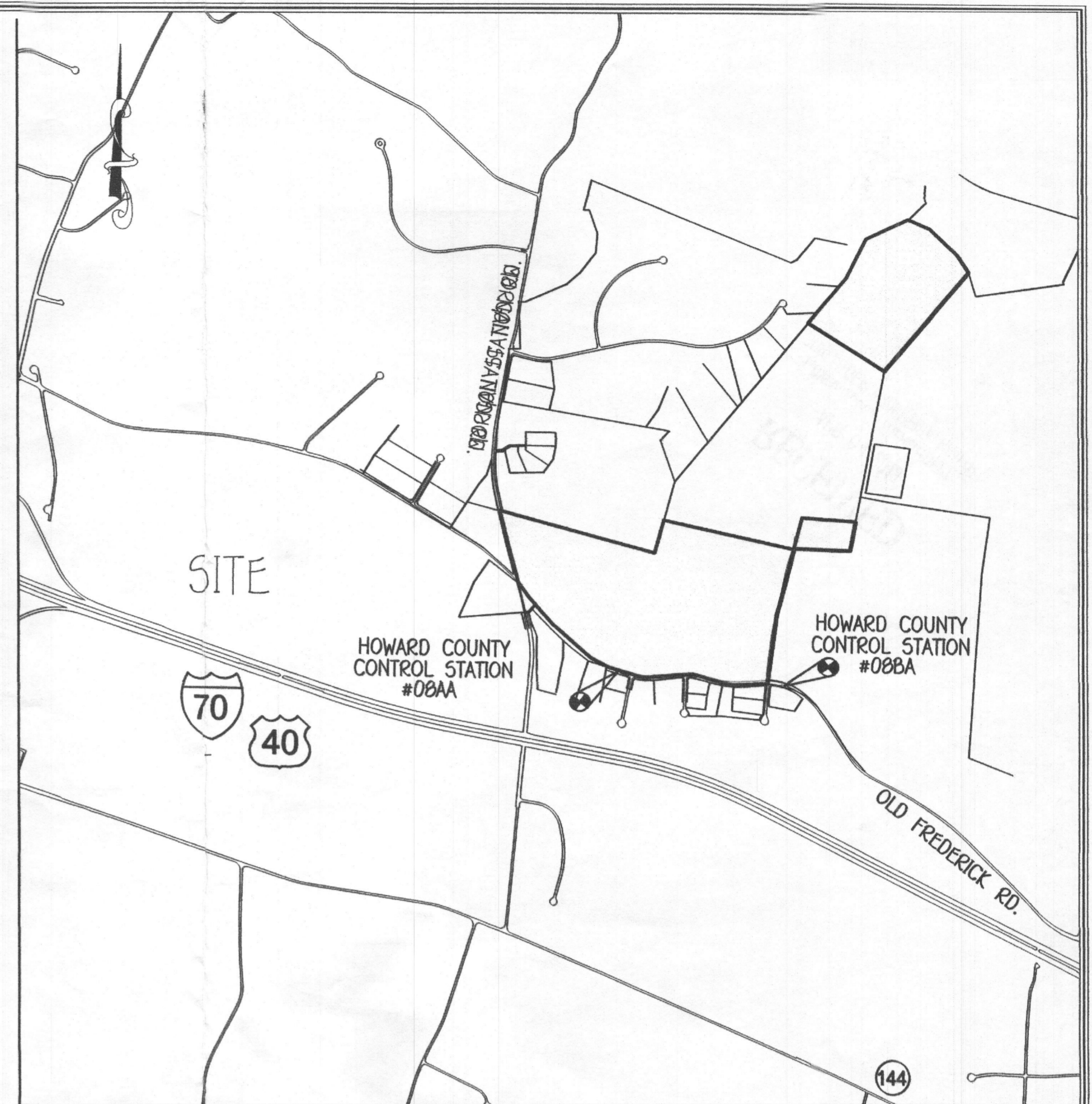
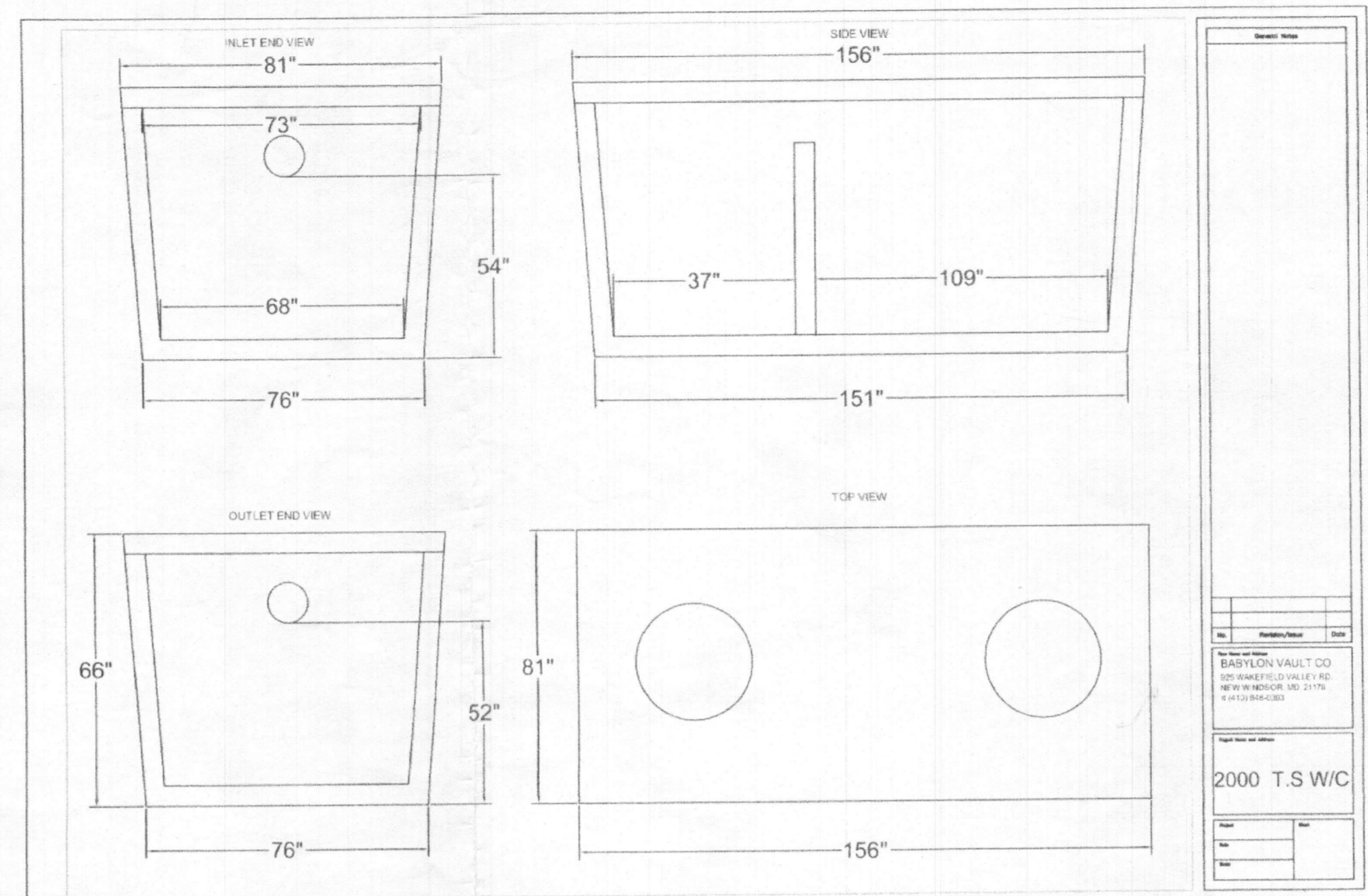
*Mark L. Robel* 6/19/18  
PROPERTY LINE SURVEYOR DATE  
REG. #339

**HOUSE LOCATION DRAWING**

FOUNDATION LOCATION: 6/18/18  
FINAL LOCATION: \_\_\_\_\_  
BOUNDARY SURVEY: \_\_\_\_\_

SCALE: 1"=50'  
DATE: 6/19/18  
DRAWN BY: MD  
CHECKED BY: MLR  
PROJECT No.: 05106-3003

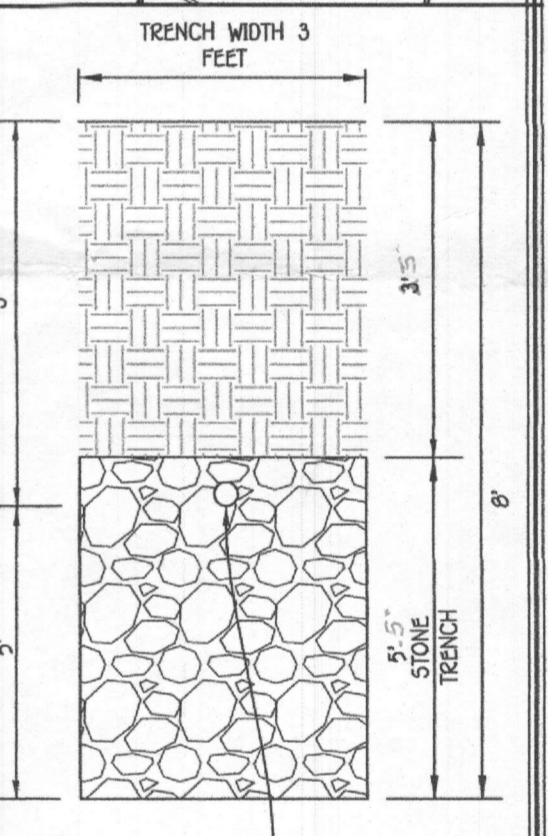
1. ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
2. THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
3. ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
4. THE WELL HO-15-0359 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
5. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.



FFE 600.24  
 BSE 590.40  
 INV. OUT OF HOUSE = 586.35  
 PROP. GROUND AT CLEANOUT #1 = 588.6  
 INV. INTO CLEANOUT = 585.86  
 INV. INTO SEPTIC TANK = 585.76  
 EX. GROUND AT SEPTIC TANK = 588.4  
 PROP. GRADE ABOVE SEPTIC TANK = 588.3  
 TOP OF SEPTIC TANK = 586.53  
 INV. INTO SEPTIC TANK = 585.53  
 INV. OUT OF SEPTIC TANK = 585.28  
 EX. GROUND AT DISTRIBUTION BOX = 587.9  
 INV. INTO DISTRIBUTION BOX = 585.0  
 INV. OUT OF DISTRIBUTION BOX = 584.9

**VICINITY MAP**  
 SCALE: 1" = 1200'

**TRENCH DATA:**  
**TRENCH 1:**  
 EX. GROUND ABOVE = 587.9  
 INV. IN = 584.9  
 BOTTOM TRENCH = 579.9  
**TRENCH 2:**  
 EX. GROUND ABOVE = 587.0  
 INV. IN = 584.0  
 BOTTOM TRENCH = 579.0

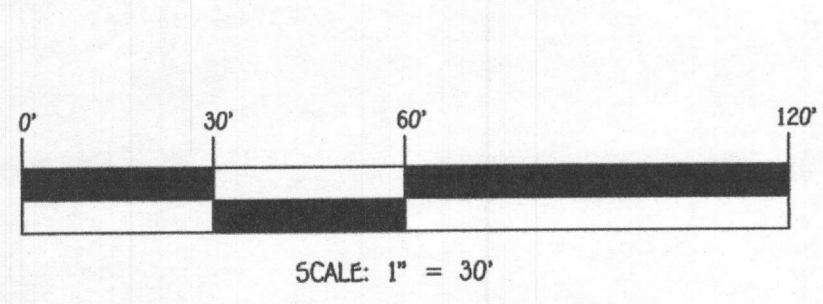


Approved Septic System Plan  
 Howard County Health Department  
 Mark Oswald  
 Signature  
 4/15/19  
 Date

**INITIAL SYSTEM**  
 SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 6 BEDROOMS  
 LOADING RATE = 6 BEDROOMS X 150 GPD/BEDROOM = 900 GPD  
 APPLICATION RATE = 1.2  
 EFFECTIVE SIDEWALL BEGINS AT 3 FEET  
 TRENCH DEPTH = 0 FEET  
 TRENCH WIDTH (W) = 3 FEET  
 EFFECTIVE DEPTH (D) = 5 FEET  
 SF OF DRAINFIELD = 900 GPD / 1.2 = 750 SF  
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x5)) = 0.35  
 TRENCH LENGTH = 250.00 SF x .35 = 87.50 FEET  
 (USE 2 TRENCHES AT 43.75 L.F.)  
 TRENCH SPACING = 2D+W = ((2x2) + 3) = 7' USE 10'

**1ST REPLACEMENT SYSTEM**  
 SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 6 BEDROOMS  
 LOADING RATE = 6 BEDROOMS X 150 GPD/BEDROOM = 900 GPD  
 APPLICATION RATE = 0.8  
 EFFECTIVE SIDEWALL BEGINS AT 5 FEET  
 TRENCH DEPTH = 0 FEET  
 TRENCH WIDTH (W) = 3 FEET  
 EFFECTIVE DEPTH (D) = 3 FEET  
 SF OF DRAINFIELD = 900 GPD / 0.8 = 1125 SF  
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x3)) = 0.5  
 TRENCH LENGTH = 375 SF x 0.5 = 187.50 FEET  
 (USE 2 TRENCHES AT 93.75 L.F.)  
 TRENCH SPACING = 2D+W = ((2x2) + 3) = 7' USE 10'

**2ND REPLACEMENT SYSTEM**  
 SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 6 BEDROOMS  
 LOADING RATE = 6 BEDROOMS X 150 GPD/BEDROOM = 900 GPD  
 APPLICATION RATE = 0.8  
 EFFECTIVE SIDEWALL BEGINS AT 5 FEET  
 TRENCH DEPTH = 0 FEET  
 TRENCH WIDTH (W) = 3 FEET  
 EFFECTIVE DEPTH (D) = 3 FEET  
 SF OF DRAINFIELD = 900 GPD / 0.8 = 1125 SF  
 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x3)) = 0.5  
 TRENCH LENGTH = 375 SF x 0.5 = 187.50 FEET  
 (USE 2 TRENCHES AT 93.75 L.F.)  
 TRENCH SPACING = 2D+W = ((2x2) + 3) = 7' USE 10'



**PLAN**  
 SCALE: 1" = 30'



**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.

*Michael J. Decker*  
 Signature Of Professional Engineer  
 4/15/19  
 DATE

**SEPTIC PROFILE**  
 SCALE: 1" = 30'

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 10272 PATUXENT NATIONAL PARK  
 COLUMBIA, MARYLAND 21046  
 410-379-5996

**OWNER/DEVELOPER**  
 NN HOMES  
 9720 PATUXENT WOODS DRIVE  
 COLUMBIA, MD 21046  
 410-379-5996

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
22	1040 FAIRLANE ROAD

**SEPTIC SYSTEM INSTALLATION SITE PLAN**  
**LOT 22**  
 1040 FAIRLANE ROAD  
**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: MARCH 8, 2018  
 SHEET 1 OF 1