

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: 10/24/19 **ONSITE SEWAGE DISPOSAL SYSTEM** P 56648

APPROVAL DATE: _____ **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 12225 Hayland Farm Way

SUBDIVISION: Walnut Creek LOT: 161 TAX ID: 05-597894

CONTRACTOR: Freedom Septic EMAIL: casey@freedomseptic.com

CONTRACTOR ADDRESS: 2809 Liberty Road, Sykesville, MD 21784 PHONE: 410-795-2947

PROPERTY OWNER: BV Business Trust EMAIL: _____

OWNER ADDRESS: 1355 Beverly Road Suite 300, McClean VA, 22101 PHONE: _____

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Babylon or equivalent

PUMP MODEL: _____ PUMP SIZE _____ PUMP TANK CAPACITY: _____

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

TRENCHES:	LINEAR FEET REQUIRED: <u>105</u>	INLET DEPTH: <u>2</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4</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: Robert Freeman ISSUE DATE: 10/24/19 EXPIRATION DATE: 10/24/20

- 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.**

NOT TO SCALE

TRENCH/DRAINFIELD DATA

WIDTH INLET BOTTOM

3' 2' 8'

NUMBER OF TRENCHES 2

TOTAL LENGTH 105'

ABSORPTION AREA 315 sq ft + sidewalk

DISTRIBUTION BOX LEVEL yes

DISTRIBUTION BOX BAFFLE no

DISTRIBUTION BOX PORT yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes

MANUFACTURER Babylon

CAPACITY 2000 GAL

SEAM LOC top

TANK LID DEPTH 2'

BAFFLES front + back

BAFFLE FILTER -

MANHOLE LOC front + back

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED yes

DATE ON LID 9-18-19

PUMP/SEPTIC TANK LEVEL N/A

MANUFACTURER

CAPACITY GAL

SEAM LOC

TANK LID DEPTH

BAFFLES

BAFFLE FILTER

MANHOLE LOC

6" PORT LOC

WATERTIGHT TEST

SLOTTED

DATE ON LID

SEE ATTACHED
AS BUILT

ROAD NAME

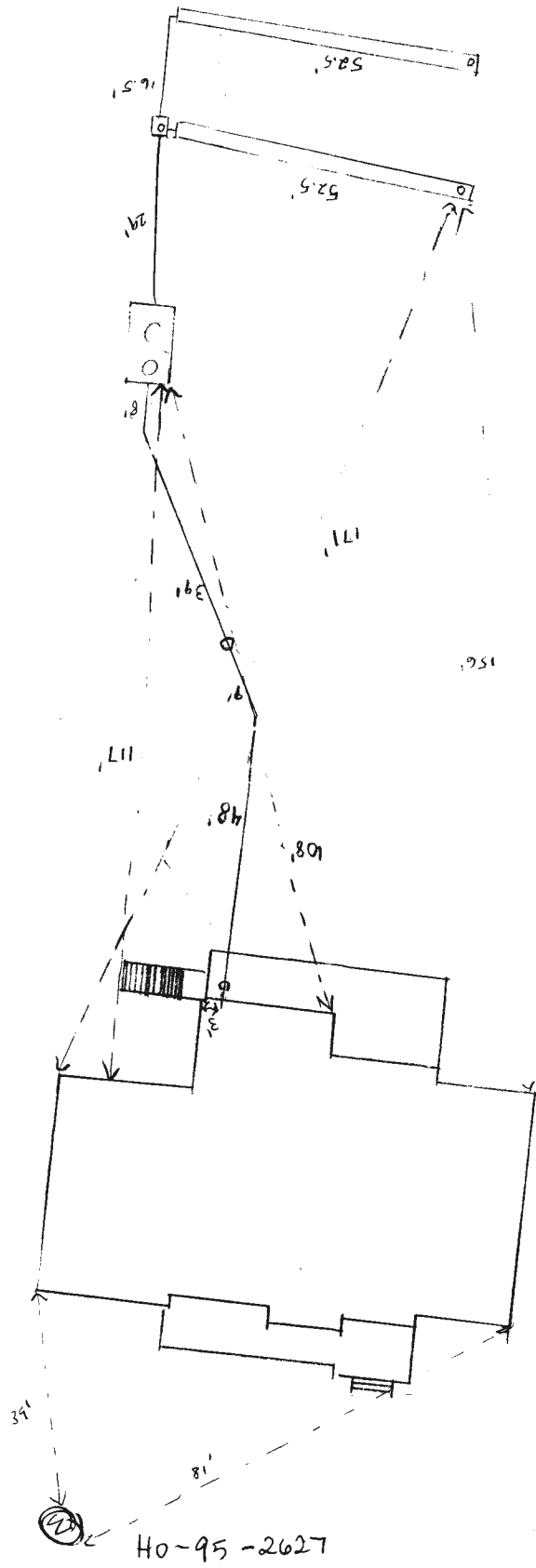
PRE CONSTRUCTION:

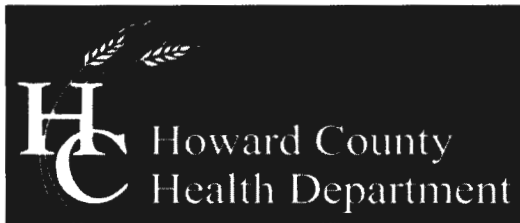
10/25/2019 layout COMPLETED PER PLAN. SDA, TRENCHES, TANK STAKED. CONFIRMED TRENCH CONTOUR 2x 53'. OK TO START. (+)

INSTALLATION: 10/29/19 SHC, tank and d-box installed. (ST) 10/30/19 Installed 2 trenches and leveled d-box. (ST)

FINAL INSPECTOR Susan Thomas DATE OF APPROVAL 10/30/19

NOT TO SCALE





Bureau of Environmental Health

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Facebook: www.facebook.com/hocohealth

Twitter: [HowardCoHealthDep](https://twitter.com/HowardCoHealthDep)

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

MEMORANDUM

TO: Jasmine Strain
Cairn Custom Homes
10548 Gorman Rd.
Laurel, MD 20723

FROM: Robert Freemon *RIF*
Well & Septic Program

RE: 12225 Hayland Farm Way
Ellicott City, MD 21042
"Before BP Approval"

DATE: 5/13/2019

I have reviewed the building permit B19001221 for 12225 Hayland Farm Way and here are my comments.

- Need a septic design plan showing a system that can accommodate the 6 bedroom house. Three systems (initial and two replacements) sized for the 6 bedroom house must fit inside the approved SDA.
- Building permit application needs to be revised. The description of work indicates 4BRs while the Residential Building Characteristics indicates 5 and the floor plans show 6 (Basement: Guestroom; 1st Floor: Office; 2nd Floor: 4BRs).

**FISHER, COLLINS
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

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

To: Bureau of Environmental Health 8930 Stanford Blvd. Columbia, Maryland 21046-4544	Attn: Jeff Williams Fax: Phone: 410-313-2640
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From: Dave Harward	CC:
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Re: Walnut Creek, Lot 161	W.O.# 04001-6022
Date: May 29, 2019	Pages: 0 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: Walnut Creek, Lot 161. Here are 3 copies OSDS Plan for your review & approval.

Thank You,

Tony

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

CONFIDENTIALITY NOTICE

This transmission contains confidential information which may be legally privileged, and is intended only for the use of the individual named above. If you are not the intended recipient, you are hereby notified that any distribution (except to the intended recipient), copying, or disclosure of this transmission is strictly prohibited.

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

Date: June 6, 2019

TO: Tony Fertitta.
Fisher, Collins & Carter, Inc.

FROM: Robert Bricker, REHS/R.S., L.E.H.S.
Environmental Sanitarian II, Well and Septic Program

RE: 12225 Hayland Farm Way, Walnut Creek Lot 161, OSDS Design Plan comments

The following issues were noted for revision during review of the submitted OSDS Design Plan. Building Permit Application B19001221 is 'On Hold' and shall remain 'On Hold' until these issues are resolved. When resolved, a revision of the Plot Plan must be submitted along with a formal revisions sheet at the Department of Inspections, Licenses, and Permits.

1. The septic tank is proposed against the upper boundary of the sewage disposal area.
 - a. Shift the septic tank location about 5 feet or so uphill.
 - b. Shift the Initial System trenches uphill several feet so that a portion of the upper trench is against the SDA boundary
2. The driveway encroaches on the 10-ft setback from the well zone, and the driveway is only about 8 to 9 feet from the existing well.
 - a. Typically, a revision of the Percolation Certification Plan is required to re-configure the well zone
 - b. The driveway should be moved enough to create a 10-ft setback to the existing well.
 - c. You may request to redline edit the current Percolation Certification Plan for Lot 161.

RB
Copy: file

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Tuesday, May 28, 2019 3:03 PM
To: 'Tony Fertitta'
Cc: Freemon, Robert
Subject: RE: Hyman Property

Thanks. Spencer had the building permit, but the file doesn't have an OSDS plan in it at all and I don't see the OSDS plan in our log. Can you send 3 copies of the OSDS plan and we'll review it quickly? Thanks
Jeff

From: Tony Fertitta <tonyf@fcc-eng.com>
Sent: Tuesday, May 28, 2019 2:46 PM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: RE: Hyman Property

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

From: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Sent: Tuesday, May 28, 2019 2:32 PM
To: Tony Fertitta <tonyf@fcc-eng.com>
Subject: Hyman Property

Hi Tony. I don't have Paul Kriebel's email. He signed some replacement sheets for the Hyman Property (Foxleigh) Water and Sewer Plan (50-4980-D). Do you have a signed copy of the original version of this plan that you can send to me?
Thanks

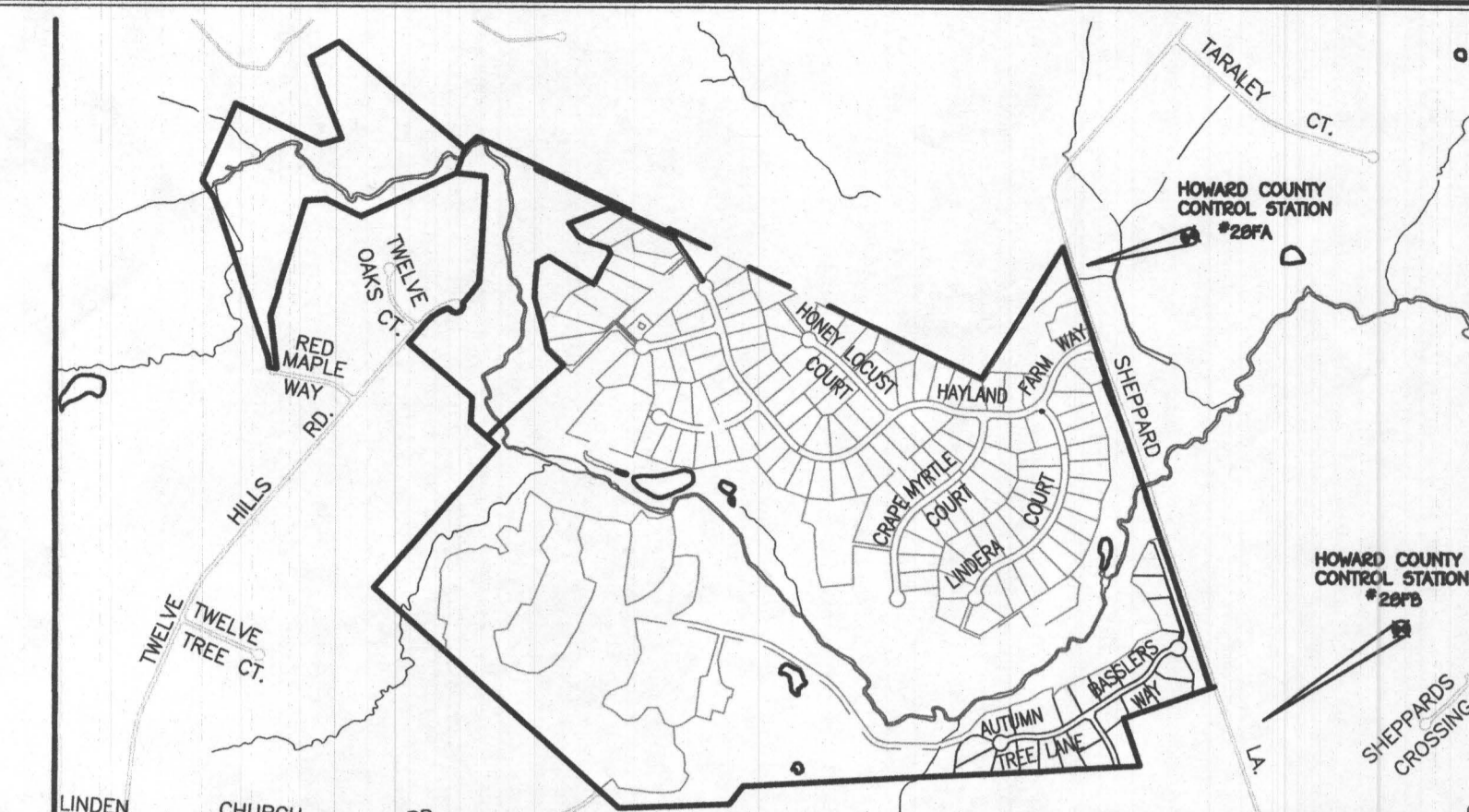
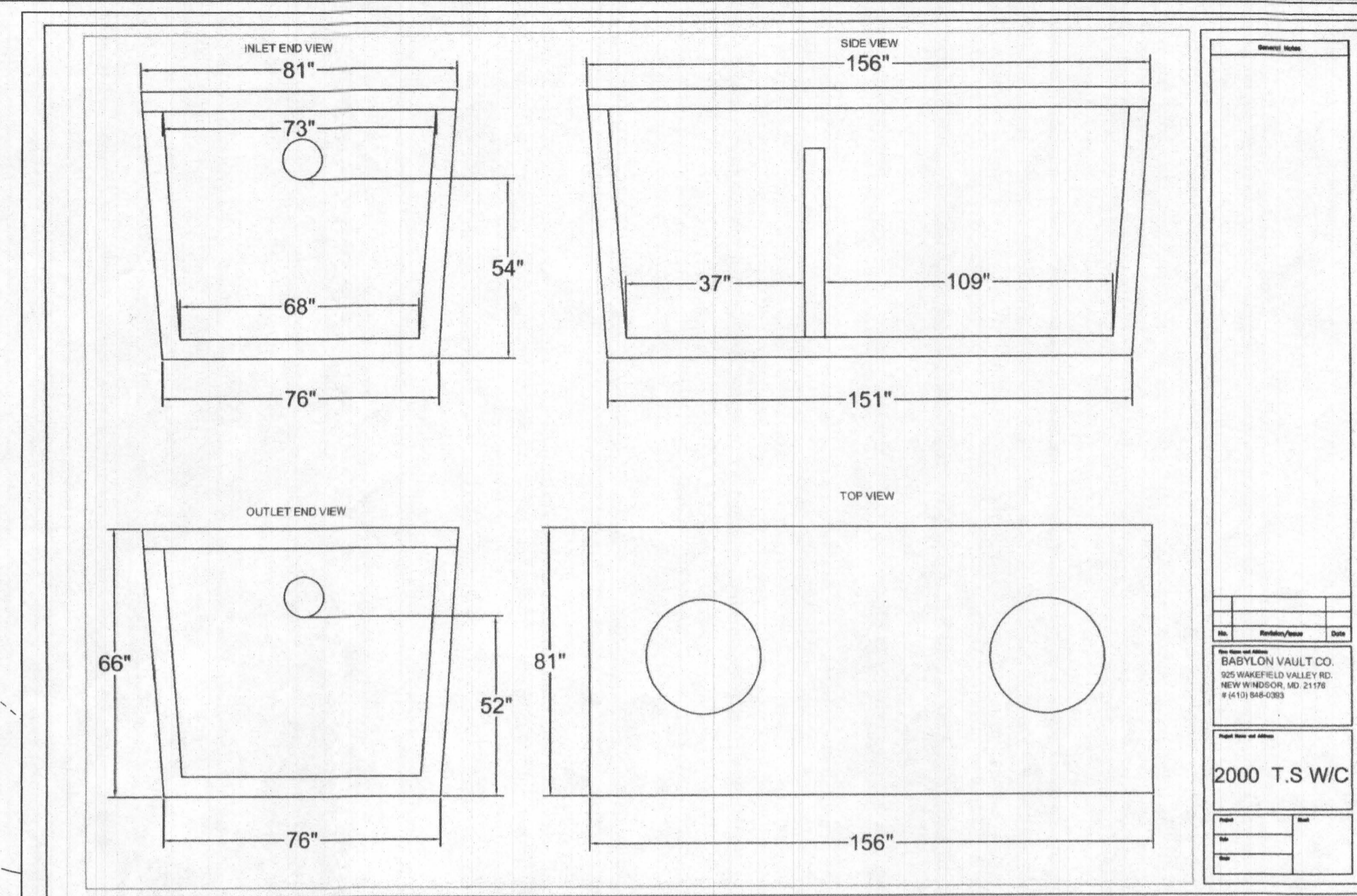
Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

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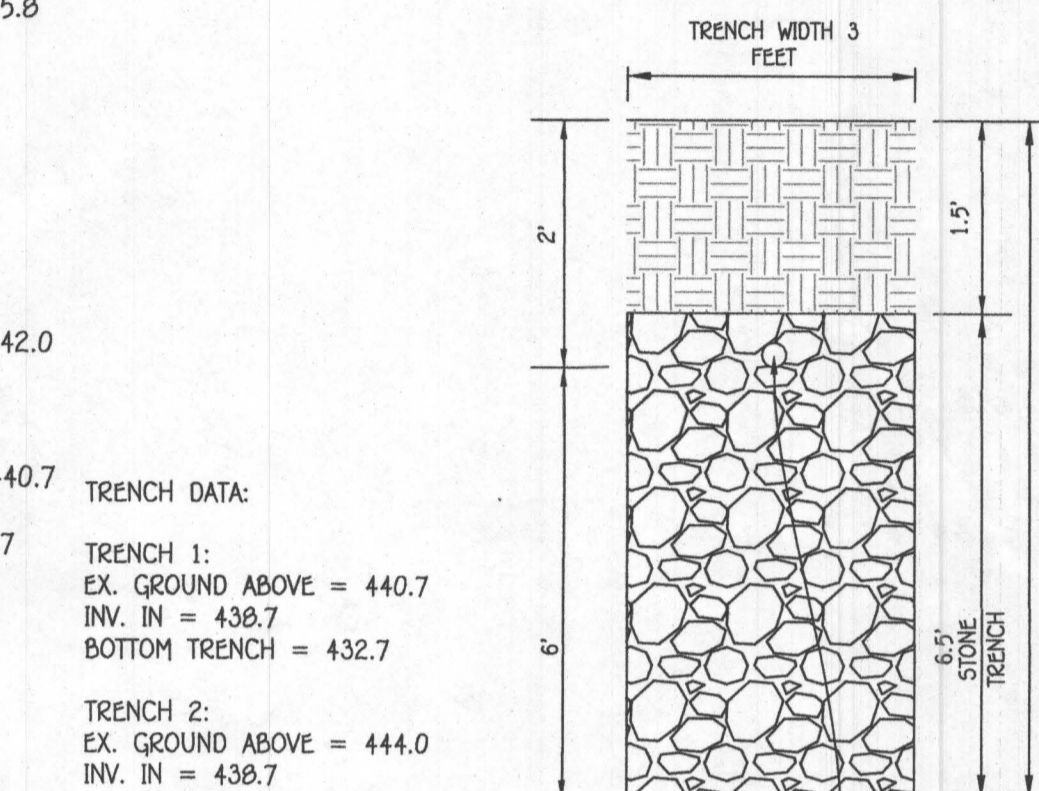
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5. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

*** WELL BOX NOTE:**
 ANY FUTURE WELL THAT IS LESS THAN 10 FT. FROM THE DRIVEWAY, MUST HAVE BOLLARDS OR LARGE LANDSCAPE ROCKS PROVIDED TO PROTECT THAT WELL.



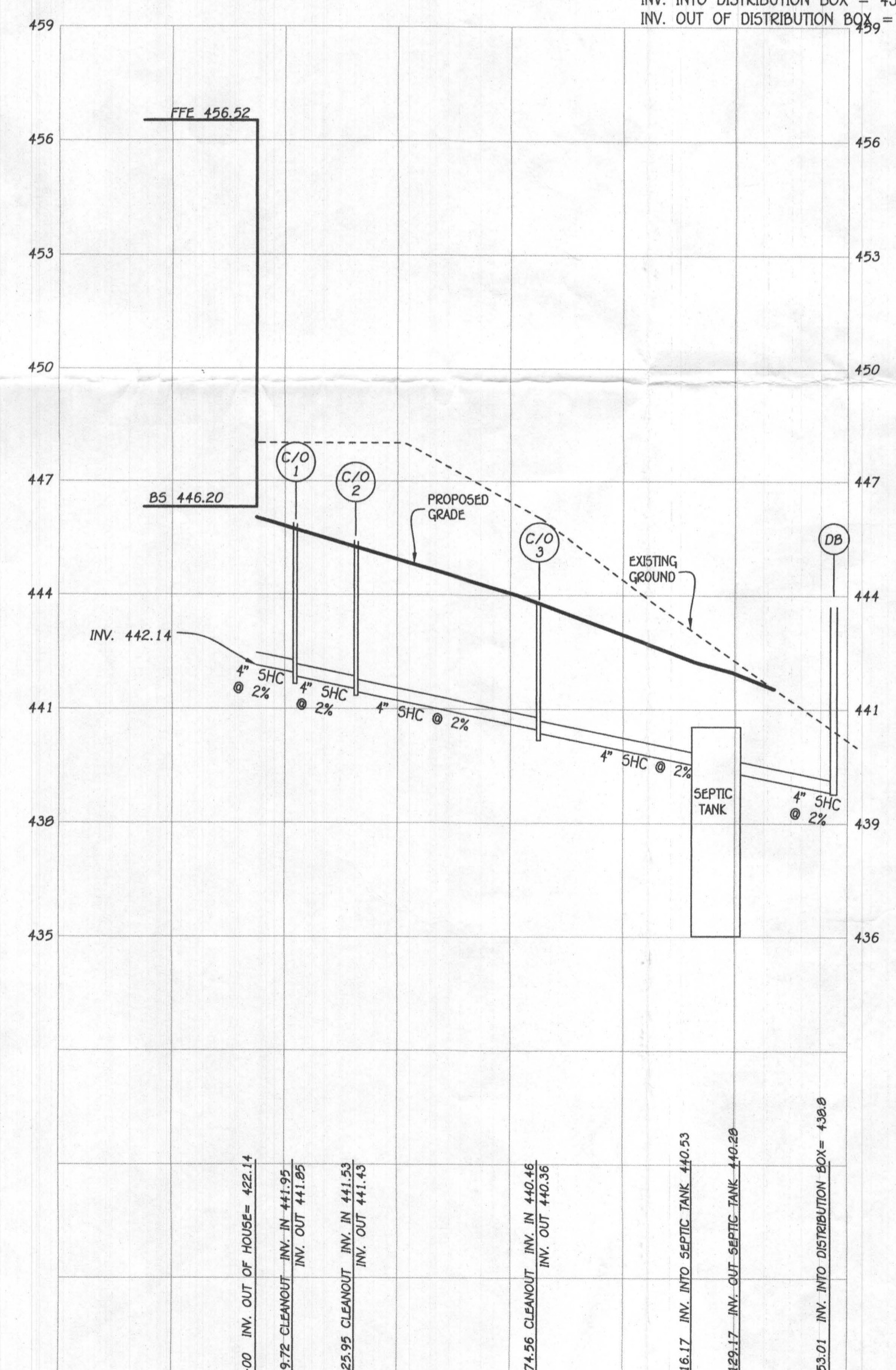
FFE 456.52
 BSE 446.20
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 PROP. GRADE ABOVE SEPTIC TANK = 442.0
 TOP OF SEPTIC TANK = 440.29
 INV. INTO SEPTIC TANK = 439.29
 INV. OUT OF CLEANOUT = 438.82
 EX. GROUND AT DISTRIBUTION BOX = 440.7
 INV. INTO DISTRIBUTION BOX = 438.8
 INV. OUT OF DISTRIBUTION BOX = 438.7



TRENCH DATA:

TRENCH 1:
 EX. GROUND ABOVE = 440.7
 INV. IN = 438.7
 BOTTOM TRENCH = 432.7

TRENCH 2:
 EX. GROUND ABOVE = 444.0
 INV. IN = 438.7
 BOTTOM TRENCH = 432.0



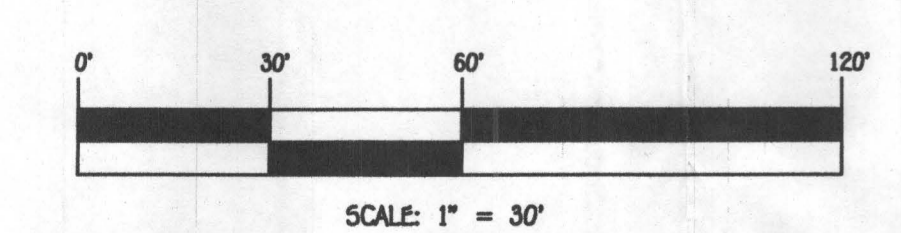
INITIAL SYSTEM
 SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 6 BEDROOMS
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 APPLICATION RATE = 1.2
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 COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+2(4)) = 0.416
 TRENCH LENGTH = 750 SF x 0.42 = 104.00 FEET
 (USE 2 TRENCHES AT 52.00 L.F.)
 TRENCH SPACING = 20+W = ((2+4) + 3) = 11' USE 11'

1ST REPLACEMENT SYSTEM
 SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 6 BEDROOMS
 LOADING RATE = 6 BEDROOMS X 150 GPD/BEDROOM = 900 GPD
 APPLICATION RATE = 0.6
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 (USE 3 TRENCHES AT 69.33 L.F.)
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2ND REPLACEMENT SYSTEM
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 (USE 4 TRENCHES AT 52.00 L.F.)
 TRENCH SPACING = 20+W = ((2+4) + 3) = 11' USE 11'



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE: 1100 N. 107TH AVE. SUITE 100
 ELICOTT CITY, MARYLAND 21046
 (410) 461-2893



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.

Alfred M. Vitaw
 Signature of Professional Engineer
 6/12/19
 DATE

OWNER/DEVELOPER
 CARN CUSTOM HOMES
 10548 GORMAN ROAD
 LAUREL, MARYLAND 20723
 410-618-7382

SEPTIC PROFILE
 SCALE: 1" = 30'

ADDRESS CHART

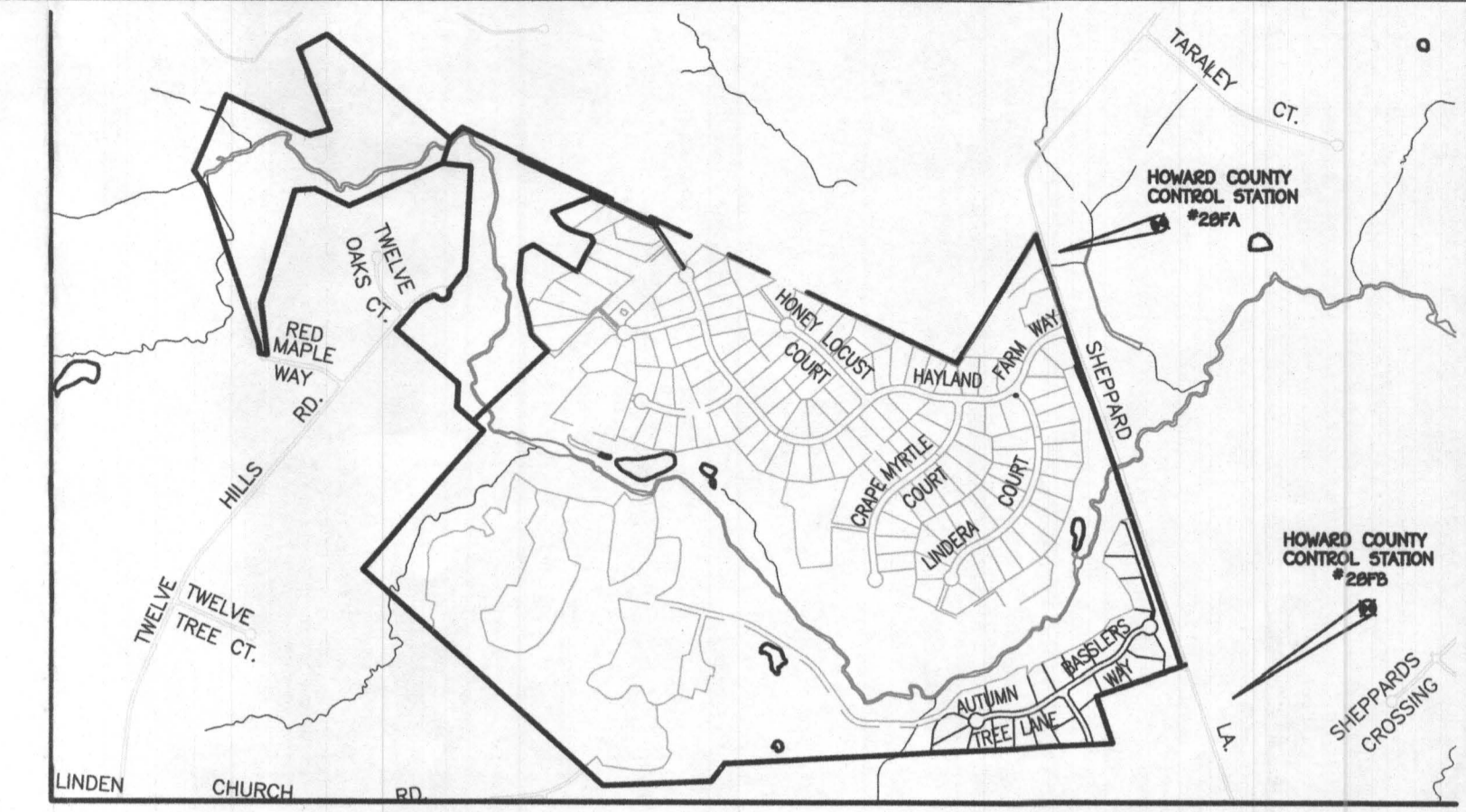
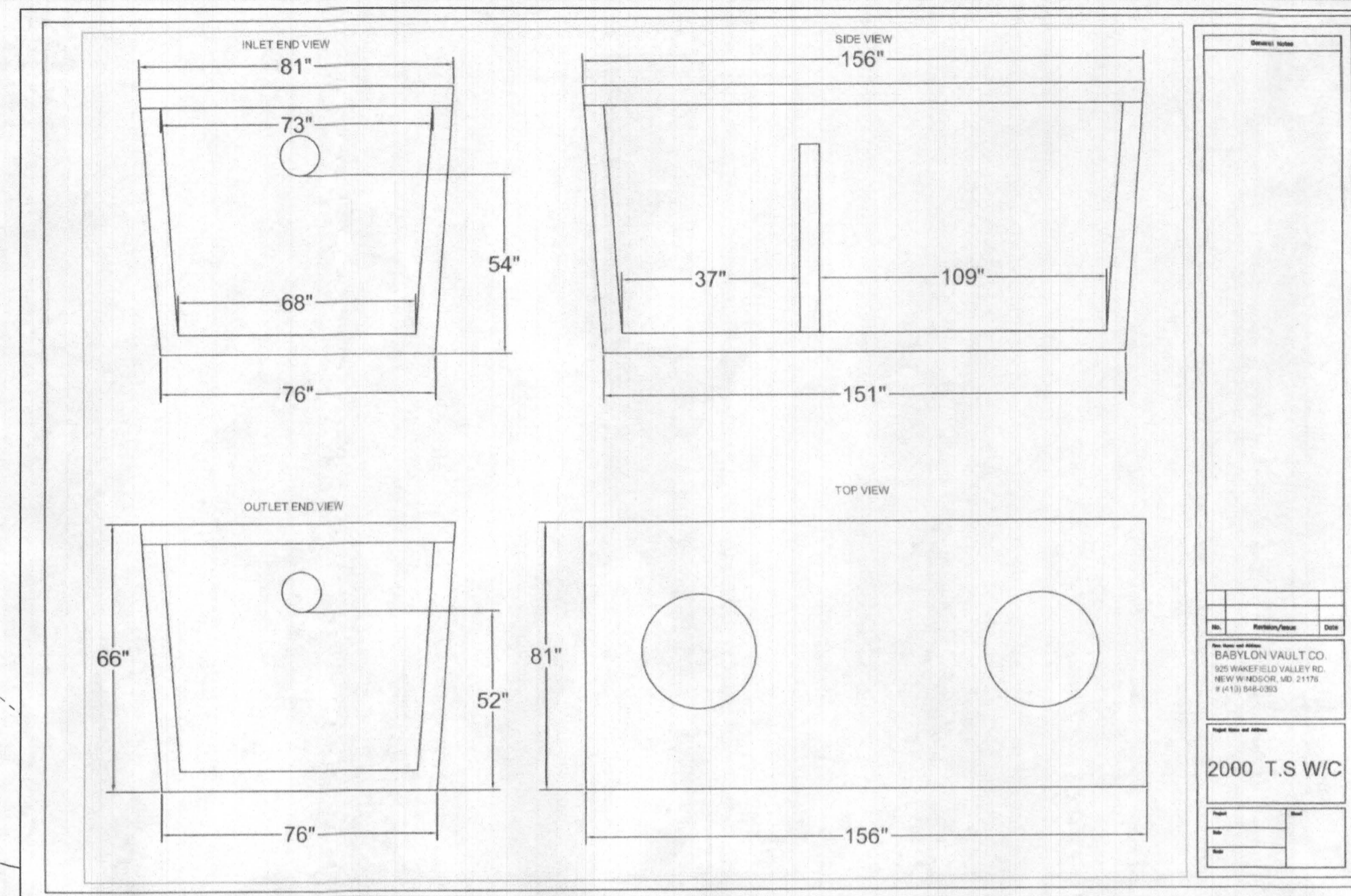
LOT NUMBER	STREET ADDRESS
161	12225 HAYLAND FARM WAY

Approved Septic System Plan
 Howard County Health Department
[Signature]
 Signature
 6/20/2019
 Date

LOT 161
SEPTIC SYSTEM
INSTALLATION SITE PLAN
WALNUT CREEK
PHASE THREE

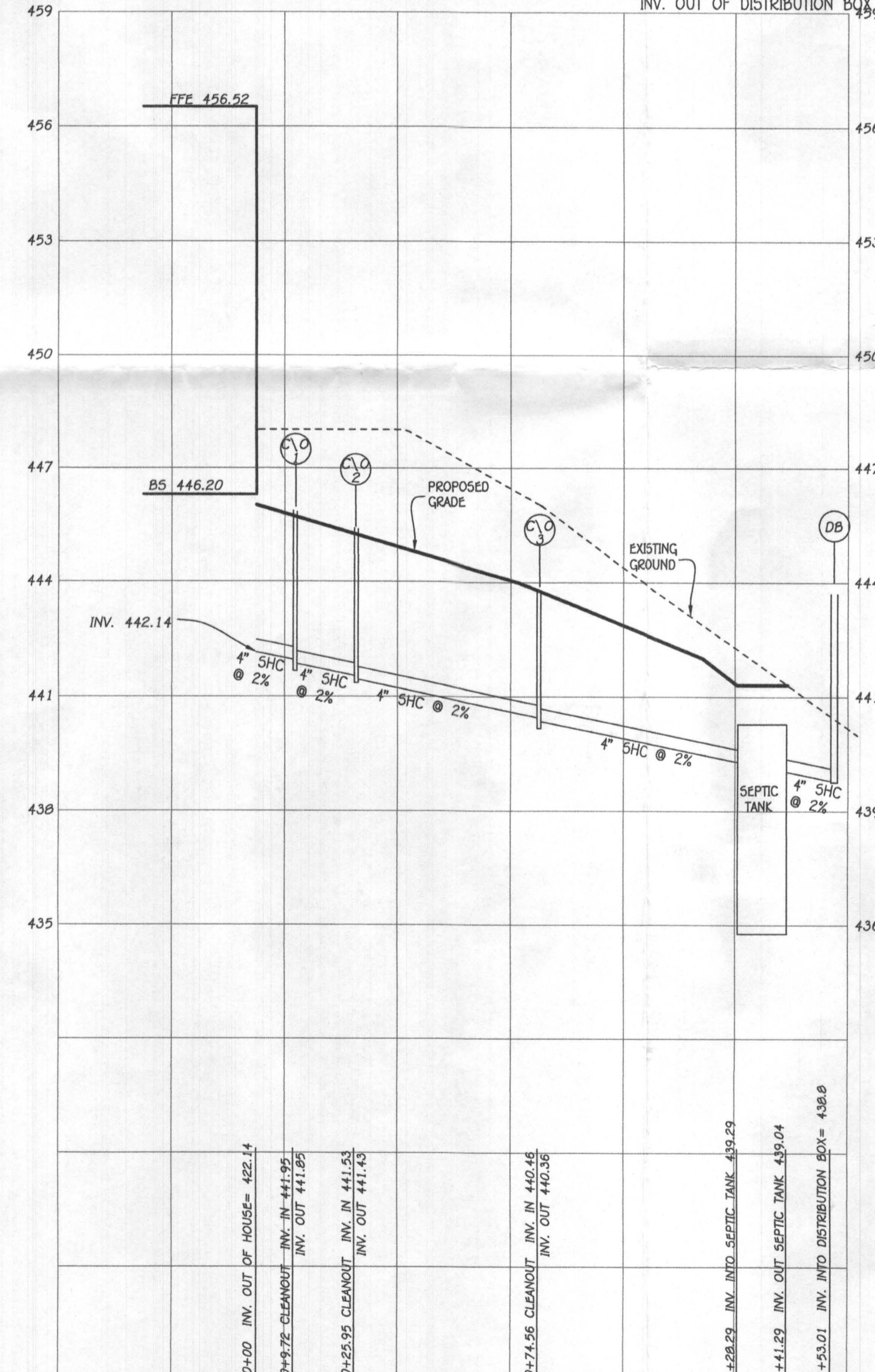
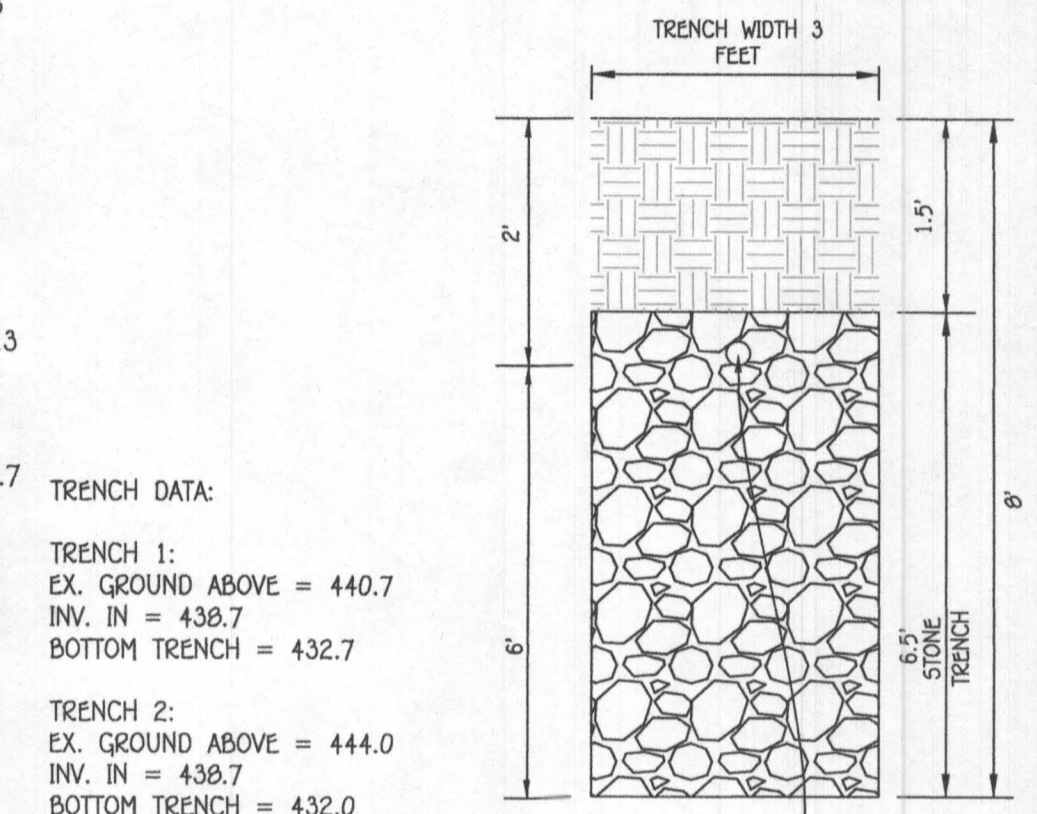
(A Rehabilitation of Existing Dual Parcel "A" - Walnut Creek, Phase Two) & (A Revision to Non-Buildable Preservation Parcels "1" and "2" - Walnut Creek, Phase Two)
 ZONING: EC-100 & EC-100
 TAX MAP No. 28 GRID Nos. 4, 5, 10-12, 17, AND 18 PARCEL No. 49
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 DATE: JUNE 12, 2019
 SHEET 1 OF 1

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PLAN
SCALE: 1" = 30'

SEPTIC PROFILE
SCALE: 1" = 30'

LOT 161
SEPTIC SYSTEM
INSTALLATION SITE PLAN
WALNUT CREEK
PHASE THREE

(A Re-subdivision of Buildable Bulk Parcel 'H' - Walnut Creek, Phase Two) & (A Revision to Non-Buildable Preservation Parcels 'L' and 'M' - Walnut Creek, Phase Two)
TAX MAP No. 28 GRID Nos. 4, 9, 10-12, 17, AND 18 PARCEL No. 49
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DATE: APRIL 2, 2018
SHEET 1 OF 1

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CONTINENTAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461-1999



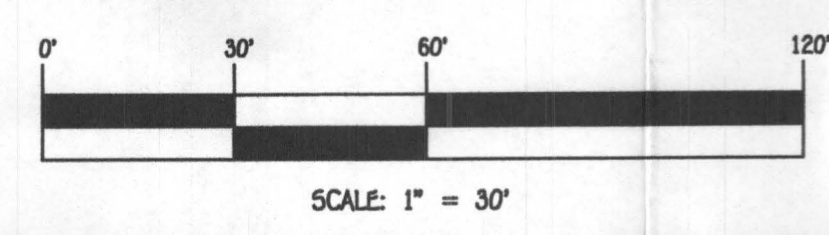
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I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20748, EXPIRATION DATE: 02/22/2019.

Alexander Michael Vail
Signature of Professional Engineer
5/22/19
DATE

OWNER/DEVELOPER
CAIRN CUSTOM HOMES
10548 GORMAN ROAD
LAUREL, MARYLAND 20723
410-616-7382

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
161	12225 HAYLAND FARM WAY



I:\2004\0401\dwg\PHASE THREE FINALS\Permit Site Plans\0401-6022 Per & Septic Plans Lot 161 (Ang, Septic) P1 11