



Howard County  
Health Department

**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: 10/14/21 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 570202

APPROVAL DATE: 12/08/2021 **PERMIT: CONSTRUCTION**

A \_\_\_\_\_

PROPERTY ADDRESS: 12263 Blue Sky Evening Way

SUBDIVISION: Fulton Woods

LOT: 6

TAX ID: \_\_\_\_\_

CONTRACTOR: Freedom Septic

EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 2809 Liberty Road, Sykesville, MD 21784

PHONE: 410-795-2947

PROPERTY OWNER: BHBC

EMAIL: \_\_\_\_\_

OWNER ADDRESS: 6700 Alexander Bell Suite 200

PHONE: \_\_\_\_\_

SEPTIC TANK SIZE (GALLONS): 2000

TANK MANUFACTURER: Babylon

PUMP MODEL: \_\_\_\_\_

PUMP SIZE \_\_\_\_\_

PUMP TANK CAPACITY: \_\_\_\_\_

DISTRIBUTION SYSTEM:



GRAVITY



PRESSURE DOSED

BEDROOMS: 5

APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>171.88</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5.5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Install 3 trenches @ 57.29	

ISSUED BY: Heck Oswald

ISSUE DATE: 10-20-21

EXPIRATION DATE: 10-14-22

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 \_\_\_\_\_

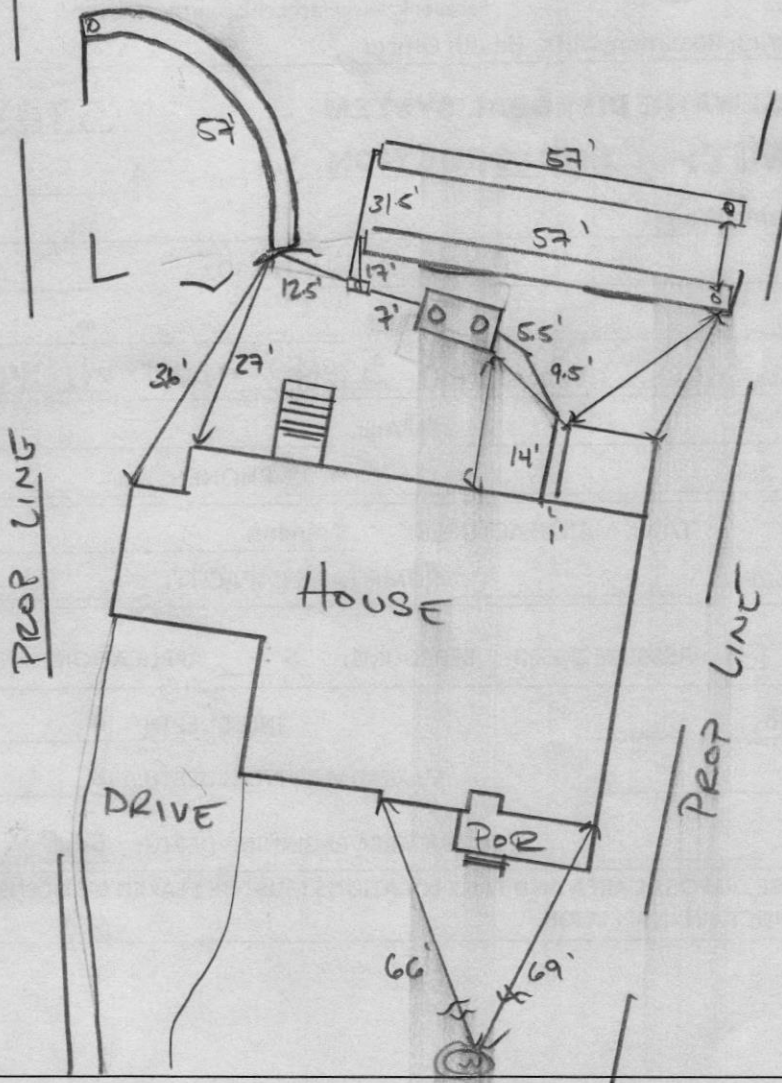
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**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



ROAD NAME

BLUE SKY EVENING WAY

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	4'	8'
NUMBER OF TRENCHES		3'
TOTAL LENGTH		171 E
ABSORPTION AREA		513 SF + 2.5' SIDE WALL
DISTRIBUTION BOX LEVEL		CONC.
DISTRIBUTION BOX BAFFLE		SPEED
DISTRIBUTION BOX PORT		YES

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	13'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT/BACK
6" PORT LOC	NO
WATERTIGHT TEST	-
SLOTTED	YES
DATE ON LID	10/26/2021

**PUMP/SEPTIC TANK LEVEL**

MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

**PRE-CONSTRUCTION:**

11/19/2021 LAID OUT 3x58' TRENCHES SLIGHT FILL IN CENTER - USE LASER LEVEL FROM DISTAL END TO LEVEL TRENCH BOTTOM

**INSTALLATION:**

12/03/2021 TANK DELIVERED. CONTRACTOR OUT FOR THE DAY. 12/07/2021 TANK SET; SL INSTALLED; SITE INSTALLED 12/08/2021 TRENCH INSTALLED; D BOX LEVELED w/ SPEED LEVEL

FINAL INSPECTOR

*Handwritten signature of Paul Calabro*

DATE OF APPROVAL

12/08/2021

March 11, 2021

Mr. Jeffery Williams  
Howard County Health Department Bureau of  
Environmental Health 8930 Stanford Blvd.  
Columbia, MD 21045

Re: Fulton Woods  
Lot 6  
Septic Adjustment/Waiver Request

Dear Mr. Williams:

As the owner and builder we are requesting a septic field adjustment/variance for Lot 6 at Fulton Woods to expand the septic field on the right (if facing the front door) side of the septic field up to 6 feet. Please see the attached drawing for the details.

This adjustment is being requested because the home to be built is larger than originally planned and can not be repositioned to solve the septic setback requirement, there is a failed perc in the right rear of the current septic field, and given COVID this project can not afford the cost or risk of an additional perc test. The foundation under the Sunroom is basement. In summary, this is the best solution given all of the criteria.

Thank you for your consideration of this request.

Sincerely,

~~Eric C. Williams~~

4/30  
Return to \_\_\_\_\_  
Mike \_\_\_\_\_

4/30/2021  
Approved  
Robert J. Davis

Eric C. Williams

Fulton Woods, LLC

Managing Member

Title

3/11/2021

Date

## Oswald, Hank

---

**From:** Donald Carter <dcarter@bhbcmd.com>  
**Sent:** Thursday, April 29, 2021 11:27 AM  
**To:** Oswald, Hank  
**Cc:** Tony Fertitta (tonyf@fcc-eng.com)  
**Subject:** Re: PC\_12263 Blue Shy Evening Way\_Floor Plan\_Lot 6  
**Attachments:** BHBC\_Lot\_6\_Fulton\_Woods\_Perc\_Adjustment\_031121-Signed.pdf

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

Hi Hank,

Thanks for the update. Regarding the perc/septic design approval. I assume that you are talking about Fulton Woods Lot 6, Building Permit B2100796. The plan submitted should have included the attached letter. Please let me know if you have any other questions.

With Much Respect,

Donald Carter  
BHBC  
443-681-2400

On Thu, Apr 29, 2021 at 10:10 AM Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)> wrote:

Hello All:

**Perc Cert:**

There was discussion back in March between Mr. Carter and my supervisor Jeff Williams. Please see attachments. We cannot approve the perc cert plan as shown.

**Floor Plan:**

The floor plan shows 2 rooms with 42 inch cased openings with a door. To make them a non-bedroom by local code, the opening needs to be 4 foot wide cased opening without a door into each room.

Let me know if you have any question.

Thanks,

Hank

Hank Oswald, L.E.H.S.

Howard County Health Department

Bureau of Environmental Health

Well & Septic Program

8930 Stanford Boulevard

Columbia, MD 21045

(410) 313 - 1786

[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

## Oswald, Hank

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**From:** Oswald, Hank  
**Sent:** Thursday, April 29, 2021 12:19 PM  
**To:** Donald Carter  
**Cc:** jhollis@archcol.com; Tom Hager  
**Subject:** RE: PC\_12263 Blue Shy Evening Way\_Floor Plan\_Lot 6

Mr. Carter:

Lot 6 septic plan is designed for 5 bedrooms (pending waiver approval on the redesign of the sewage disposal area). I think if you show a 4 foot wide cased opening without a door into the "den" in the basement then that will reduce the # of BRs to 5.

Thanks,

Hank

**From:** Donald Carter <dcarter@bhbcmd.com>  
**Sent:** Thursday, April 29, 2021 11:52 AM  
**To:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Cc:** jhollis@archcol.com; Tom Hager <thager@archcol.com>  
**Subject:** Re: PC\_12263 Blue Shy Evening Way\_Floor Plan\_Lot 6

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

Hi Hank,

Thanks for letting me know. Regarding floor plans, I assume that you are talking about the Game Room opening and the Basement Den Opening for Fulton Woods Lot 6, Building Permit B2100797. Regarding the Game Room Door, we will remove the text stating that this is a "Cased Opening". The hallway to the Game Room is just a hallway when there is no door. As 3ft 6 in exceeds the width requirement for a hallway this should be acceptable. Please let me know (call me on my cell at 443-310-1553) by 1pm if this isn't acceptable because we are trying to get the updates to submitted and to you before COB today. The opening for the Den is a typo and be fixed to say 48 in as requested. My apologies that somehow a typo got in the set.

With Much Respect,

Donald Carter  
BHBC  
443-681-2400

On Thu, Apr 29, 2021 at 10:10 AM Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)> wrote:

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**Perc Cert:**

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Let me know if you have any question.

Thanks,

Hank

Hank Oswald, L.E.H.S.

Howard County Health Department

Bureau of Environmental Health

Well & Septic Program

8930 Stanford Boulevard

Columbia, MD 21045

(410) 313 - 1786

[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

## Williams, Jeffrey

---

**From:** Williams, Jeffrey  
**Sent:** Thursday, March 25, 2021 8:10 AM  
**To:** Donald Carter  
**Subject:** RE: Fulton Woods lot 6

No problem. It's on hold waiting for when you're ready.

**From:** Donald Carter <dcarter@bhbcmd.com>  
**Sent:** Wednesday, March 24, 2021 6:52 PM  
**To:** Williams, Jeffrey <jewilliams@howardcountymd.gov>  
**Cc:** Mark Robel <robelfcc-eng.com>; Jordan Price <jprice@fcc-eng.com>  
**Subject:** Re: Fulton Woods lot 6

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

Hi Jeff,

Thanks for reaching out! We're working to get updated plans, waivers, & septic system designs to you ASAP. My apologies that things are moving so slowly.

With Much Respect,

Donald Carter  
BHBC  
443-681-2400

On Tue, Mar 23, 2021 at 1:50 PM Williams, Jeffrey <jewilliams@howardcountymd.gov> wrote:

Hello. We got the building permit for review and I put it on hold awaiting an OSDS plan and signed waiver request for reduced setback. It is not certain that the waiver will be approved, so if not, we would need to resolve the issue by attempting to revise the SDA or revise the house footprint. Make sure to include the type of foundation under the sunroom in the request.

In addition, it is difficult to determine the options chosen on the construction drawing. IS the 5<sup>th</sup> bedroom on 2<sup>nd</sup> floor chosen? Otherwise, there are 5 bedrooms that meet the Septic Code definition of a bedroom to include the game room on the 1<sup>st</sup> floor with the full bath and less than 4' cased opening into the room. Please provide a simplified floorplan with the options chosen for my review or let me know about the 5<sup>th</sup> bedroom. Thanks

Jeff Williams

Program Supervisor, Well & Septic Program

Bureau of Environmental Health

Howard County Health Dept.

410-313-4261

[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)

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## Williams, Jeffrey

---

**From:** Donald Carter <[dcarter@bhbcmd.com](mailto:dcarter@bhbcmd.com)>  
**Sent:** Thursday, March 18, 2021 9:06 AM  
**To:** Williams, Jeffrey  
**Cc:** Mike Lawler  
**Subject:** Re: Requested Perc Field Adjustment for Fulton Woods Lot #6

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

Thanks! We'll get that to you asap.

With Much Respect,

Donald Carter  
BHBC  
443-681-2400

On Thu, Mar 18, 2021 at 9:00 AM Williams, Jeffrey <[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)> wrote:

Hello Mr. Carter. Sorry, I've been terribly busy. We do not need a notarized waiver request. Just a request letter signed by the homeowner. It should be accompanied by a scaled plan showing the details of the request. The letter should include any explanation such as why the house cannot be moved forward if you are not doing so and asking for a setback waiver. You can just email that to me. Thanks

Jeff

**From:** Donald Carter <[dcarter@bhbcmd.com](mailto:dcarter@bhbcmd.com)>  
**Sent:** Monday, March 15, 2021 2:42 PM  
**To:** Williams, Jeffrey <[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)>  
**Cc:** Mike Lawler <[mlawler@bhbcmd.com](mailto:mlawler@bhbcmd.com)>  
**Subject:** Re: Requested Perc Field Adjustment for Fulton Woods Lot #6

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

Hi Jeff,

Thanks for your insights! Based on the information presented to date, it seems that we should go for the letter of approval. Does it need to be notarized? Our plan B would be to go for the waiver.

With Much Respect,

Donald Carter

BHBC

443-681-2400

On Thu, Mar 11, 2021 at 2:55 PM Williams, Jeffrey <[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)> wrote:

I wouldn't say discretionary as much as a case by case review of the passing/failing holes, topography, soil conditions, etc. The disposal area needs to be defined by passing holes. Generally speaking, soil can change for the worse as you head downhill. In this case, there is a failing hole downhill and we don't know where the passing soil ends and the failing soil begins in the space between the two. In those types of cases, we typically hold the boundary at the passing hole.

I had some possible solutions in my previous email. You could submit a request letter signed by the owner for the reduced side distance. We would likely look to see other options exhausted first or an explanation why they can't happen, such as moving things forward on the lot. A waiver letter could also be submitted asking for a reduced setback from the stairs to the SDA or the sunroom to the SDA.

**From:** Donald Carter <[dcarter@bhbcmd.com](mailto:dcarter@bhbcmd.com)>

**Sent:** Wednesday, March 10, 2021 5:22 PM

**To:** Williams, Jeffrey <[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)>

**Cc:** Mike Lawler <[mlawler@bhbcmd.com](mailto:mlawler@bhbcmd.com)>

**Subject:** Re: Requested Perc Field Adjustment for Fulton Woods Lot #6

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

Hi Jeff,

From what I can understand, it would be a discretionary decision to require a perc. If you believe a perc test is required by regulation, would you please provide a copy of the regulation. Also, additional perc field sq foot can be gained by adding ~.6 around the side borders of the perc field. I'm asking for the benefit of the doubt given the impact of covid to our business. Can you help us with any other creative solutions? Please give me a ring on my cell at 443-310-1553. Thanks.

With Much Respect,

Donald Carter

BHBC

443-681-2400

On Tue, Mar 9, 2021 at 2:25 PM Williams, Jeffrey <[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)> wrote:

I don't think we can add area to the lower part of the SDA without testing given the failing hole and lack of any passing holes nearby. Even the passing holes used for the existing area are not at the bottom on this lot or the neighbor's lot.

Given that, the other options would be looking at the sunroom construction. If it were on piers like a deck, we would only have a 5' setback. If the basement stairs are near 20', we could consider a waiver. Or, you could look to move the whole house forward. It needs to be 30' from the well box, but that could possibly be adjusted or moved to a well plus two replacement sites to make room to move forward.

**From:** Donald Carter <[dcarter@bhbcmd.com](mailto:dcarter@bhbcmd.com)>

**Sent:** Monday, March 8, 2021 10:06 AM

**To:** Williams, Jeffrey <[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)>

**Cc:** Mike Lawler <[mlawler@bhbcmd.com](mailto:mlawler@bhbcmd.com)>

**Subject:** Requested Perc Field Adjustment for Fulton Woods Lot #6

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

Hi Jeff,

It turns out that FCC had the basement stairs in the wrong place on the drawing. Can we use the attached plan instead? If not, what are our options that avoid the need for a perc test, which cost thousands of dollars that weren't planned?

With Much Respect,

Donald Carter

BHBC

443-681-2400

Program Supervisor, Well & Septic Program

Bureau of Environmental Health

Howard County Health Dept.

410-313-4261

[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)

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## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Wednesday, February 05, 2020 1:46 PM  
**To:** Tony Fertitta  
**Subject:** RE: Fulton Woods\_Lot 6

Hi Tony:

Jeff stated that we don't allow SDAs to go to 5 feet of the property line on new lots/subdivisions. Why don't you adjust the shape of the back porch?

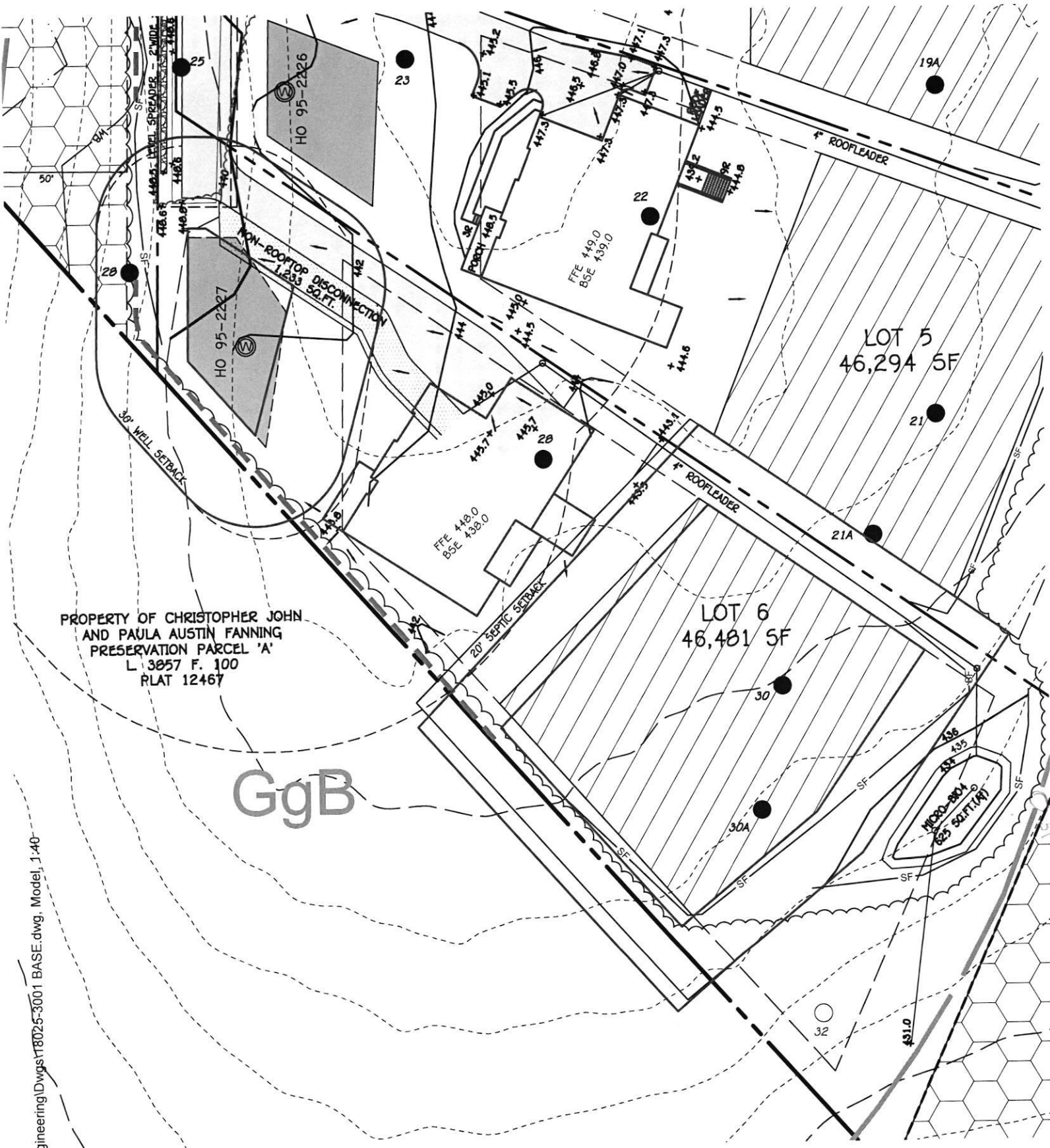
Hank

**From:** Tony Fertitta <tonyf@fcc-eng.com>  
**Sent:** Wednesday, February 05, 2020 1:17 PM  
**To:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Subject:**

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



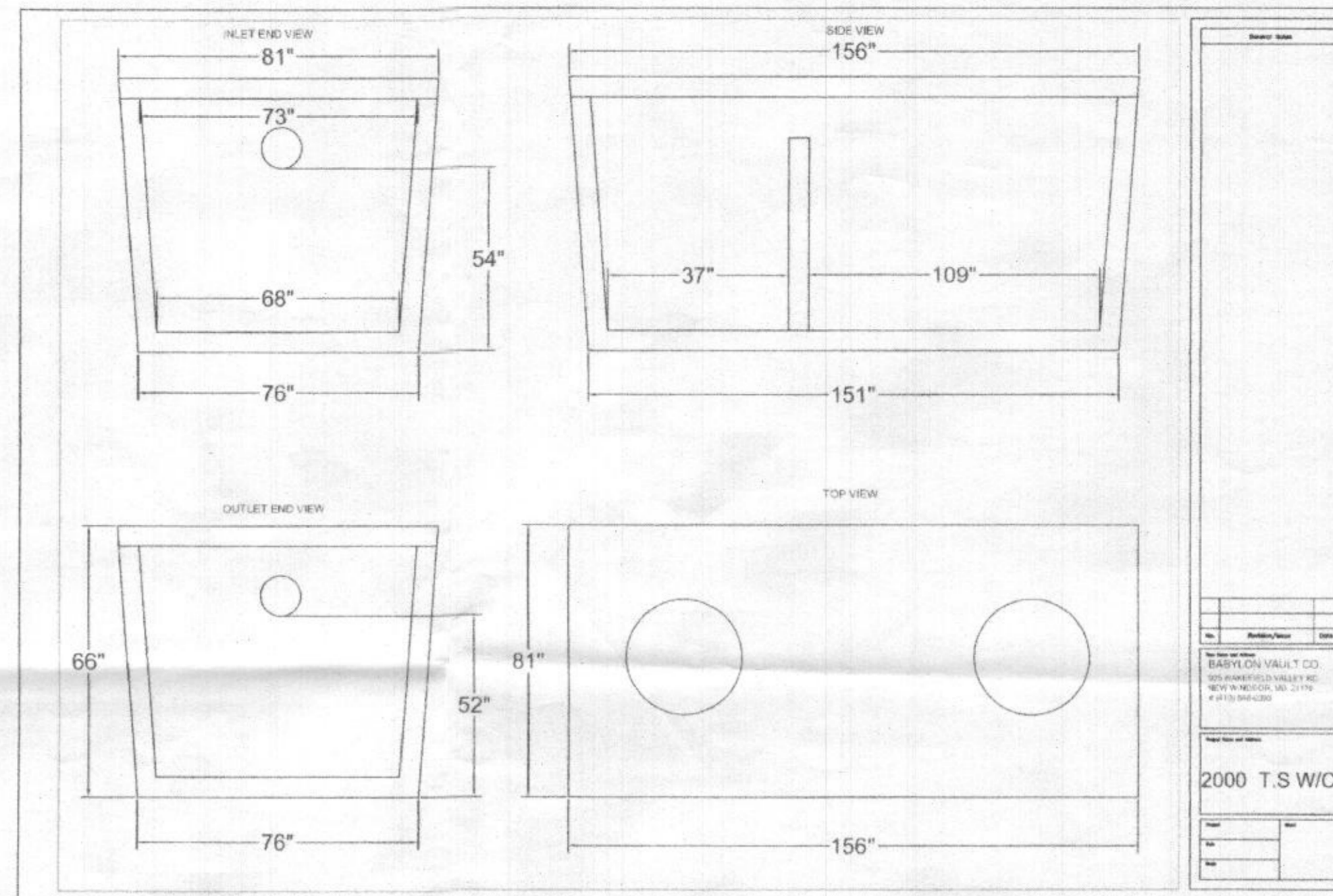
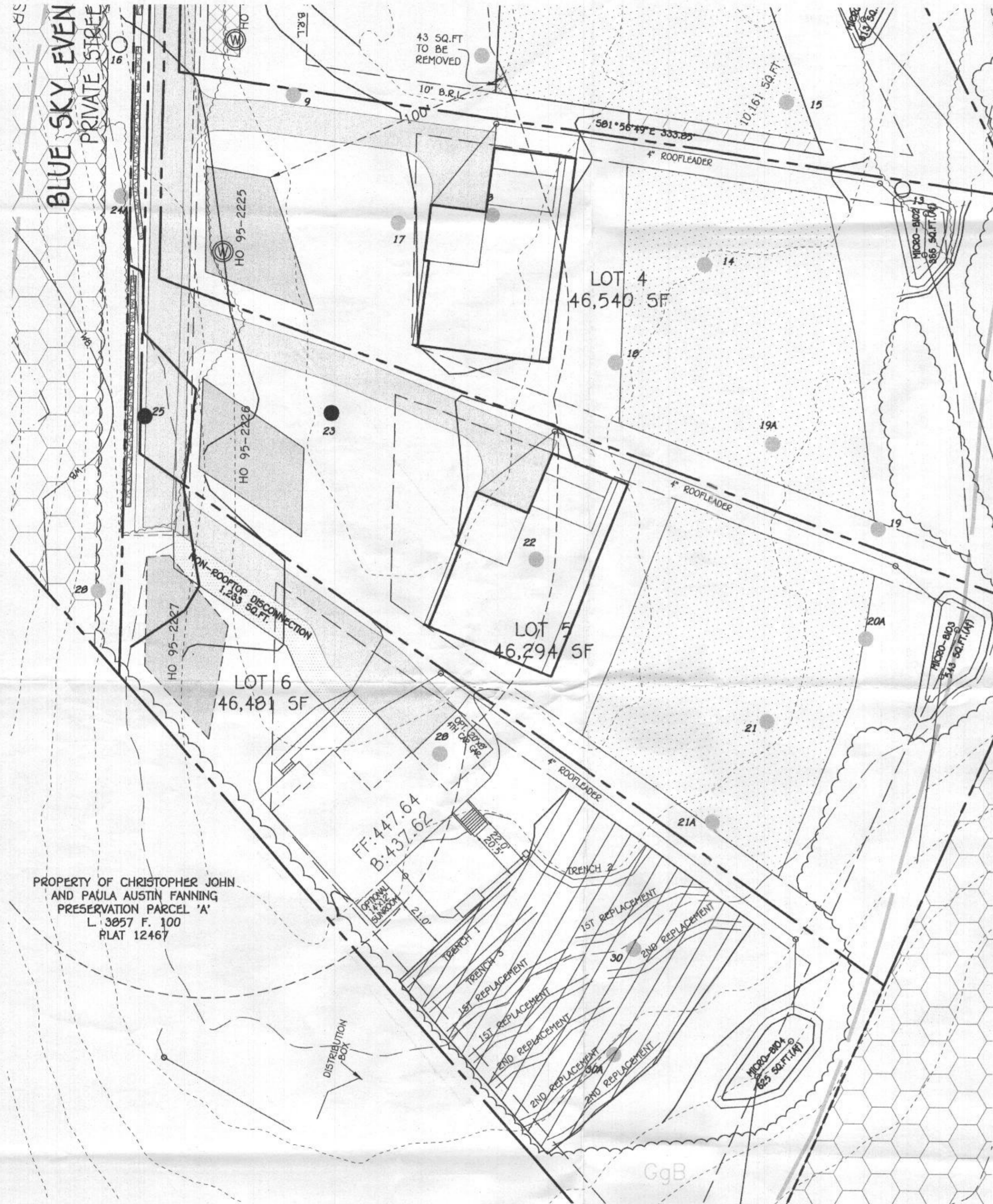
Fulton Woods Lot 6



PROPERTY OF CHRISTOPHER JOHN  
AND PAULA AUSTIN FANNING  
PRESERVATION PARCEL 'A'  
L 3057 F. 100  
PLAT 12467

GgB

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-95-2227 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.

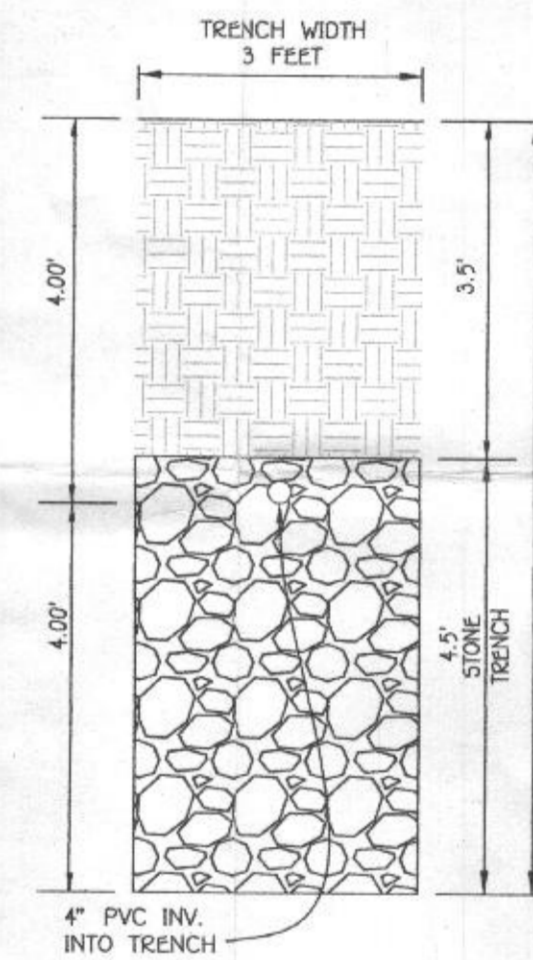
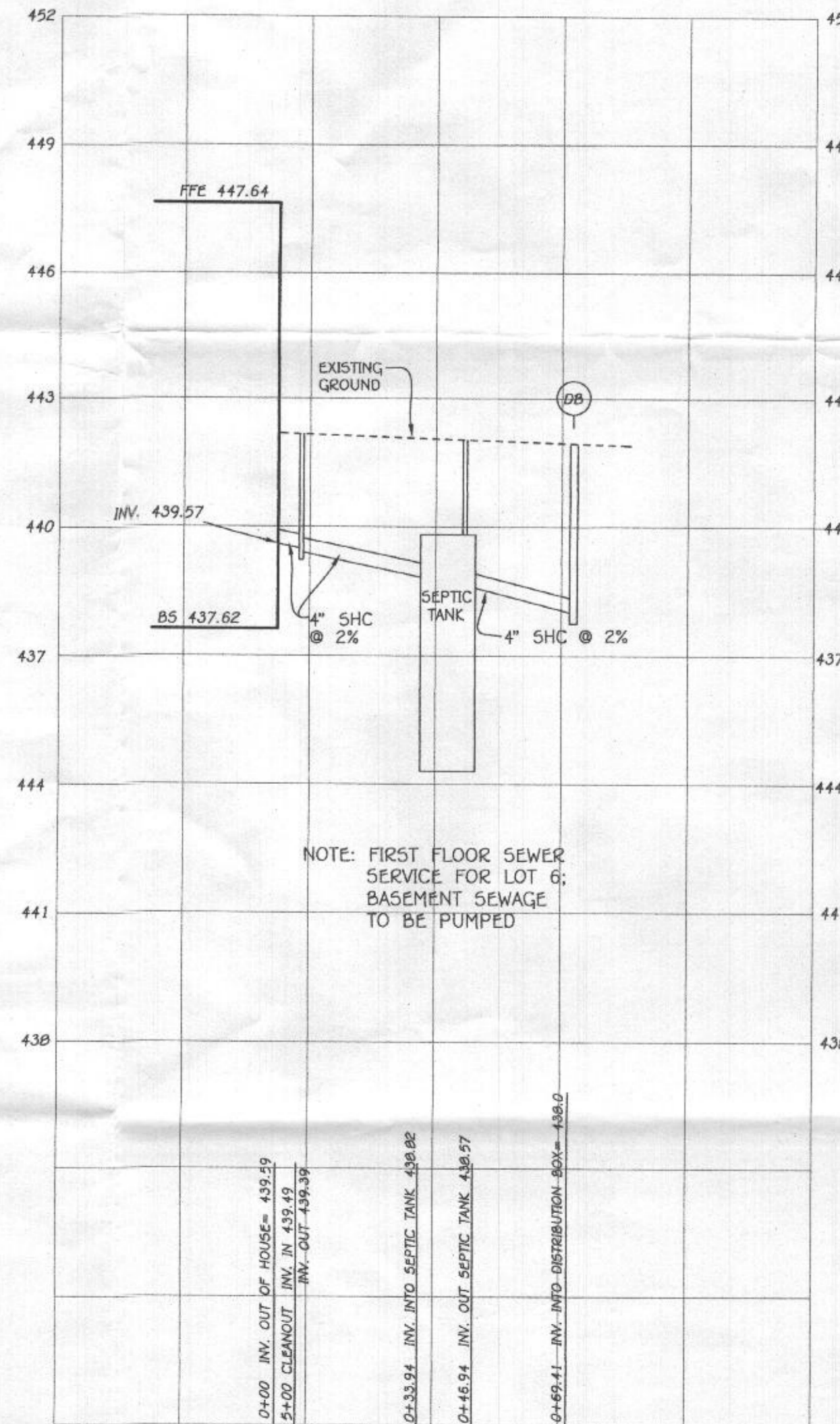
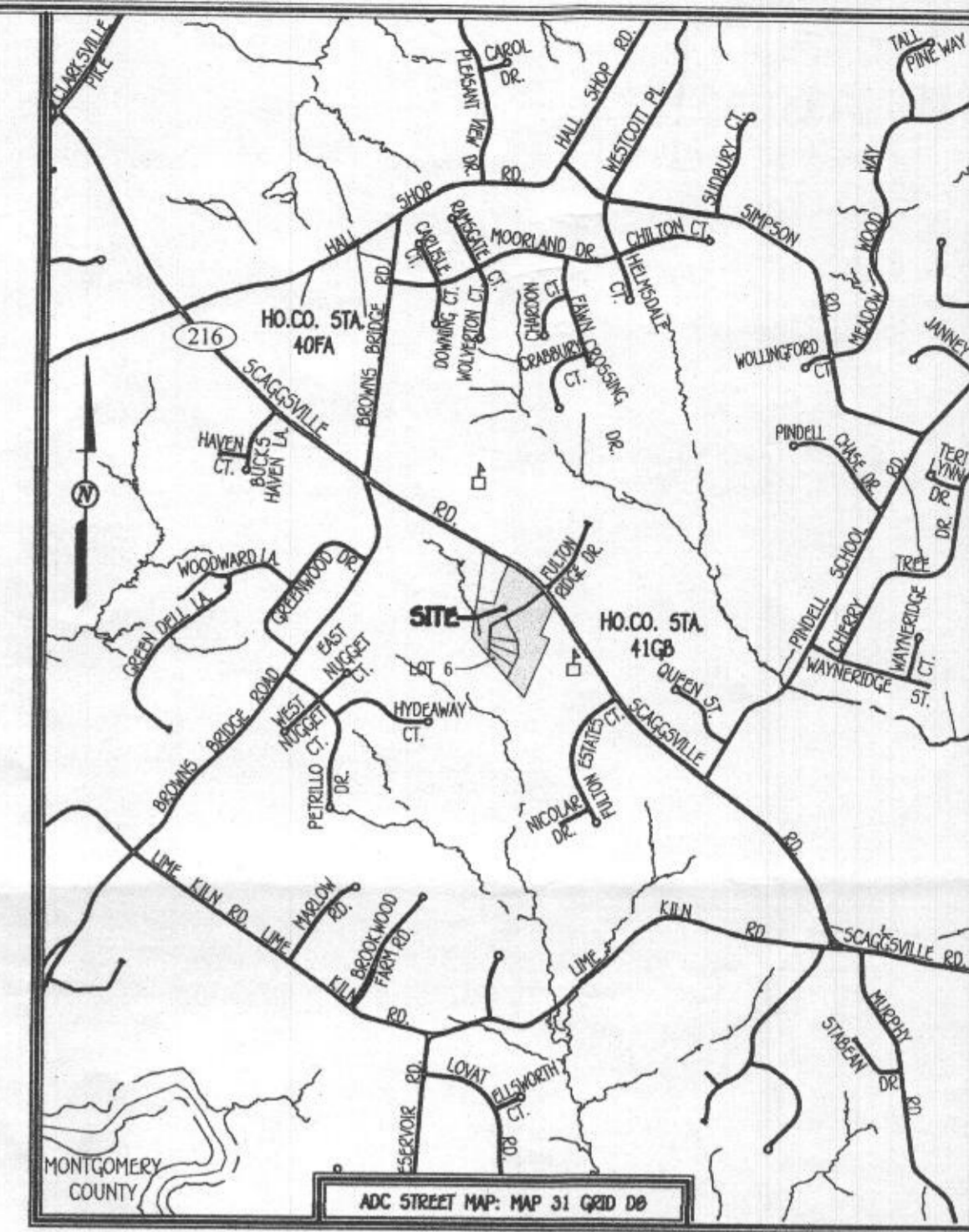


**TRENCH DATA:**

TRENCH 1:  
EX. GROUND ABOVE = 441.9  
INV. IN = 438.0  
BOTTOM TRENCH = 434.0

TRENCH 2:  
EX. GROUND ABOVE = 441.3  
INV. IN = 437.30  
BOTTOM TRENCH = 433.3

TRENCH 3:  
EX. GROUND ABOVE = 443.3  
INV. IN = 440.11  
BOTTOM TRENCH = 435.3



FFE 447.64  
BSE 437.62  
INV. OUT OF HOUSE = 439.59  
PROP. GROUND AT CLEANOUT #1 = 442.0  
INV. INTO CLEANOUT = 439.49  
INV. OUT OF CLEANOUT = 439.39  
EX. GROUND AT SEPTIC TANK = 441.82  
PROP. GRADE ABOVE SEPTIC TANK = 441.82  
TOP OF SEPTIC TANK = 439.82  
INV. INTO SEPTIC TANK = 438.57  
INV. OUT OF SEPTIC TANK = 438.57  
EX. GROUND AT DISTRIBUTION BOX = 441.9  
INV. INTO DISTRIBUTION BOX = 438.00  
INV. OUT OF DISTRIBUTION BOX = 437.90

**INITIAL SYSTEM**

SEWAGE DISPOSAL SYSTEM DATA. DESIGN FOR 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 = 8 FEET  
TRENCH WIDTH (W) = 3 FEET  
EFFECTIVE DEPTH (D) = 2.5 FEET  
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF  
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x2.5)) = .55  
TRENCH LENGTH = 312.50 SF x 0.55 = 171.88 FEET (USE 3 TRENCHES AT 57.29 L.F.)  
TRENCH SPACING = 2D+W = ((2x2.5) + 3) = 8' USE 10'

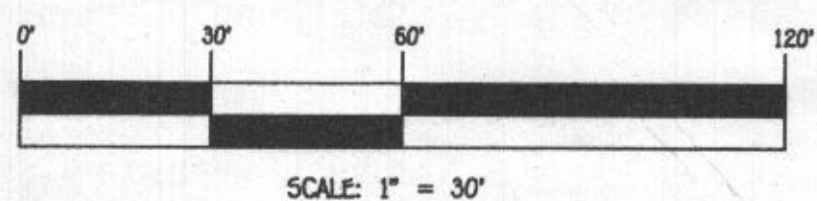
**2ND REPLACEMENT SYSTEM**

SEWAGE DISPOSAL SYSTEM DATA. DESIGN FOR 5 BEDROOMS  
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD  
APPLICATION RATE = 0.6  
EFFECTIVE SIDEWALL BEGINS AT 4 FEET  
TRENCH DEPTH = 6.5 FEET  
TRENCH WIDTH (W) = 3 FEET  
EFFECTIVE DEPTH (D) = 2.5 FEET  
SF OF DRAINFIELD = 750 GPD / 0.6 = 1250 SF  
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x2.5)) = .55  
TRENCH LENGTH = 416.67 SF x 0.55 = 229.17 FEET (USE 4 TRENCHES AT 57.29 L.F.)  
TRENCH SPACING = 2D+W = ((2x2.5) + 3) = 8' USE 10'

**1ST REPLACEMENT SYSTEM**

SEWAGE DISPOSAL SYSTEM DATA. DESIGN FOR 5 BEDROOMS  
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD  
APPLICATION RATE = 0.8  
EFFECTIVE SIDEWALL BEGINS AT 4.5 FEET  
TRENCH DEPTH = 7 FEET  
TRENCH WIDTH (W) = 3 FEET  
EFFECTIVE DEPTH (D) = 2.5 FEET  
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF  
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x2.5)) = .55  
TRENCH LENGTH = 312.50 SF x 0.55 = 171.88 FEET (USE 3 TRENCHES AT 57.29 L.F.)  
TRENCH SPACING = 2D+W = ((2x2.5) + 3) = 8' USE 10'

**SEPTIC PROFILE**  
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: 02/22/2023



Signature: *Michael J. Viteri*  
DATE: 4/23/21

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 SALTREE WOODEN PARK  
ELIJAH CITY, MARYLAND 21046  
(410) 461-2895

OWNER/DEVELOPER  
NV HOMES  
9720 PATRIENT WOODS DRIVE  
COLUMBIA, MD 21046  
410-379-9956

Approved Septic System Plan  
Howard County Health Department  
Signature: *Hank Oswald* 5/14/21  
Date

SEPTIC SYSTEM  
INSTALLATION SITE PLAN  
FULTON WOODS  
LOT 6  
12263 BLUE SKY EVENING WAY  
ZONED RR-DEO

TAX MAP No. 41 GRID No. 13 PARCEL No. 199  
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE: APRIL 6, 2021