

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: 5-5-20 **ONSITE SEWAGE DISPOSAL SYSTEM** P 567385

APPROVAL DATE: 5-14-20 **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 3631 Paupers Folly Lane

SUBDIVISION: Belvedere Estates LOT: 5 TAX ID: _____

CONTRACTOR: South Carroll Backhoe EMAIL: scbackhoe@comcast.net

CONTRACTOR ADDRESS: 4410 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-596-3618

PROPERTY OWNER: NV Homes EMAIL: _____

OWNER ADDRESS: 9720 Patuxent Woods Drive 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>111.56 FT</u>	INLET DEPTH: <u>2 FT</u>
	TRENCH WIDTH: <u>3 FT</u>	MAXIMUM BOTTOM DEPTH: <u>8 FT</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>13 FT</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3 FT</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 2 trenches at 55.78	

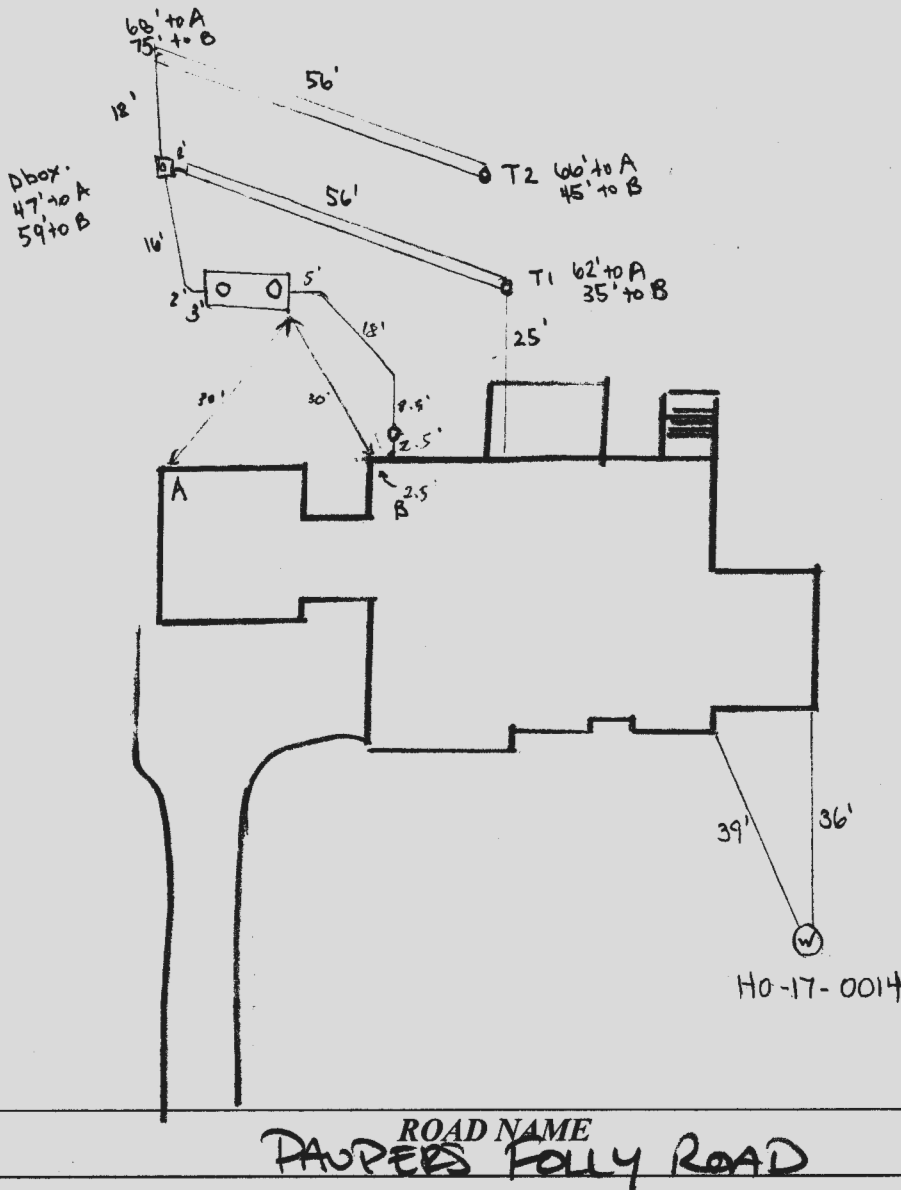
ISSUED BY: _____ ISSUE DATE: 5-5-20 EXPIRATION DATE: 5-5-21

- 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.**

279189279189

NOT TO SCALE



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		112'
ABSORPTION AREA		112' + sidewall
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

PRE-CONSTRUCTION:

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	top
TANK LID DEPTH	1'
BAFFLES	front + back (4")
BAFFLE FILTER	-
MANHOLE LOC	front + back
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	yes
DATE ON LID	3-16-20

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	_____

05/11/2020 TANK; SDA; TRENCHES STAKED. CONFIRMED CONTOUR ON TRENCHES (+)

INSTALLATION: 5/12/2020 SHC and tank set. Reinspect for back baffle. (SI)
 5/14/20 - site inspection, contractor onsite, work completed, trenches have the textile fabric in place and stone looks good, dbox levelers evenly distributed to both trenches, back 4" baffle on septic tank observed, OK to backfill (RR)

FINAL INSPECTOR

R. Rappaport

DATE OF APPROVAL

5/14/20

Howard County Health Department

Bureau of Environmental Health, Columbia, MD 21045 - 410-313-1771

SEWAGE DISPOSAL PERMIT NO. A- _____ P- _____

RESIDENTIAL PERMIT
(NUMBER OF BEDROOMS: _____)

COMMERCIAL PERMIT
(DESIGN FLOW: _____ GPD)

PERMITEE: _____

LOCATION: _____

3631 Peppers Folly Lane Peppers Folly Lot 5

****POST THIS CARD WHERE IT CAN BE SEEN FROM ROAD****

STOP ALL CONSTRUCTION ON SEWAGE
DISPOSAL SYSTEM AND CONTACT HEALTH
DEPARTMENT BEFORE CONTINUING

Inspector

Date

WORK IS SATISFACTORY, OK TO
CONTINUE

Inspector

Date

COMMENTS: _____

FINAL INSPECTION MADE, OK TO
COVER ALL WORK

Inspector

Date

Oswald, Hank

From: Dave Harward, III <DaveH@fcc-eng.com>
Sent: Tuesday, January 14, 2020 1:04 PM
To: Oswald, Hank; Tony Fertitta
Subject: RE: Lot 5
Attachments: Marymount Cov Porch Footers.pdf; Marymount Cov Porch 1st Fl level.pdf; Marymount Cov Porch 1st Fl level Elev View.pdf

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

Hank,

Thanks for the email. I'll let Tony look into and resolve the trench layout issues. As for the walkout steps from the basement, I believe that's been allowed (it has been awhile since this has come up). It might be that a waiver letter was required. However, I am thinking that you now require that the homebuyer has to sign that waiver request letter? It used to be that we could simply request it on their behalf. Is that this case? The covered porch details are attached (posts on footers only).

Thanks Hank,
Dave.

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Tuesday, January 14, 2020 12:43 PM
To: Tony Fertitta <tonyf@fcc-eng.com>
Cc: Dave Harward, III <DaveH@fcc-eng.com>
Subject: RE: Lot 5

Hi Tony:

I noticed that some of the trench lengths in the 2nd replacement system is short of 58.59 feet. Also, the distance between the 1st and 2nd replacement trenches must be at least 8 feet given the side wall credit used in the 1st system. Additionally, per my first set of comments, the basement walkout is less than 20 feet from the SDA so this must be addressed. Lastly, details are still needed about the covered porch foundation.

Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

From: Tony Fertitta <tonyf@fcc-eng.com>
Sent: Wednesday, January 08, 2020 1:05 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Dave Harward, III <DaveH@fcc-eng.com>
Subject: RE: Lot 5

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

I was able to do 6' spacing with 2' trench 468.78 length 8 trench's at 58.59

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Wednesday, January 8, 2020 11:49 AM
To: Tony Fertitta <tonyf@fcc-eng.com>
Cc: Dave Harward, III <DaveH@fcc-eng.com>
Subject: RE: Lot 5

Hi Tony:

I consulted with Jeff. He said that any trench that's located below the 580 mark must follow the 2nd replacements system specs (6.5/6.5). With that said, you may use the old trench separation rule with no sidewall credit i.e. 6-foot separation with 2-foot-wide trenches etc. If you cannot fit the last system, then you could try an LPD design and move the tank to the bottom of the SDA and pump up. This will allow you to better utilize the top portion of the SDA.

We could also try perc testing again within the area during wet season.

Let me know if you have any questions.

Thanks,

Hank

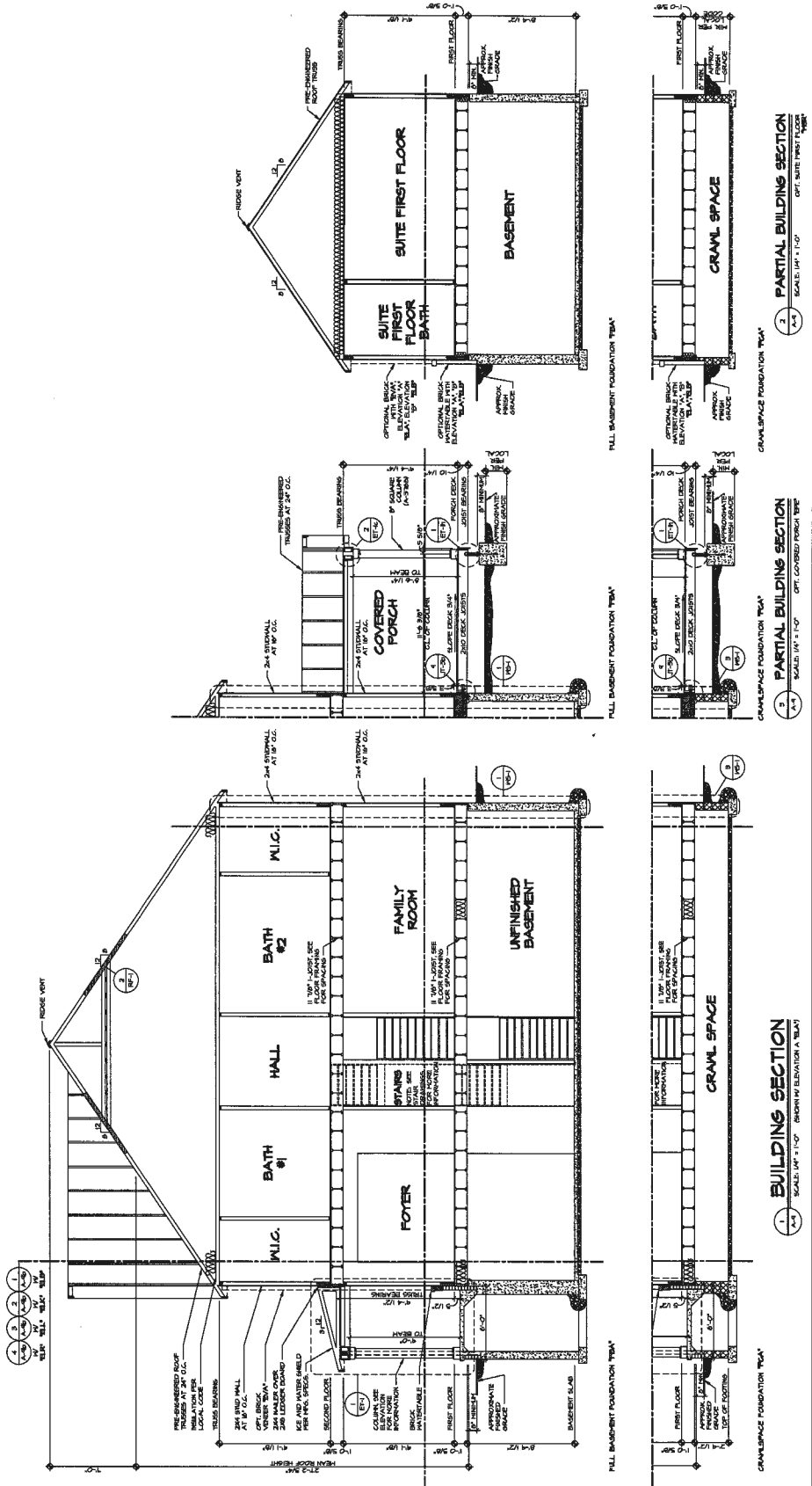
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Sent: Wednesday, January 08, 2020 11:20 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: Lot 5

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REV.	NO.	DATE	DESCRIPTION
1	1		ISSUE FOR PERMITS
2	2		REVISED PER COMMENTS
3	3		REVISED PER COMMENTS
4	4		REVISED PER COMMENTS
5	5		REVISED PER COMMENTS



1-1 BUILDING SECTION
SCALE: 1/4" = 1'-0" (SHOW IN ELEVATION A-TYPE)

2-1 PARTIAL BUILDING SECTION
SCALE: 1/4" = 1'-0" (OPT. COVERED PORCH TYPE)

2-2 PARTIAL BUILDING SECTION
SCALE: 1/4" = 1'-0" (OPT. SUITE FIRST FLOOR)

2-3 PARTIAL BUILDING SECTION
SCALE: 1/4" = 1'-0" (OPT. SUITE FIRST FLOOR)

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE SITE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE AND EROSION CONTROL MEASURES. THE CONTRACTOR SHALL MAINTAIN ALL NECESSARY RECORDS AND AS-BUILT DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL ADJACENT PROPERTIES. THE CONTRACTOR SHALL MAINTAIN ALL NECESSARY RECORDS AND AS-BUILT DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL ADJACENT PROPERTIES.

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: OSDS Plan
3631 Paupers Folly Lane
Belvedere Estates, Lot 5

Date: 01/08/2020

The OSDS Plan has been reviewed with the following comments:

- 1.) Provide details about covered porch foundation (i.e. post footers etc.)
- 2.) Basement walk out is less than 20 feet to septic tank.
- 3.) Show perc test hole locations. See attached OSDS Plan requirements.
- 4.) Correct Initial trench detail.
- 5.) 2nd replacement system calculations are incorrect (effective area begins and ends at 6.5 feet). See attached septic spec worksheet.
- 6.) Note #4 - The well tag # is incorrect.

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, January 08, 2020 11:49 AM
To: 'Tony Fertitta'
Cc: Dave Harward, III (DaveH@fcc-eng.com)
Subject: RE: Lot 5

Hi Tony:

I consulted with Jeff. He said that any trench that's located below the 580 mark must follow the 2nd replacements system specs (6.5/6.5). With that said, you may use the old trench separation rule with no sidewall credit i.e. 6-foot separation with 2-foot-wide trenches etc. If you cannot fit the last system, then you could try an LPD design and move the tank to the bottom of the SDA and pump up. This will allow you to better utilize the top portion of the SDA.

We could also try perc testing again within the area during wet season.

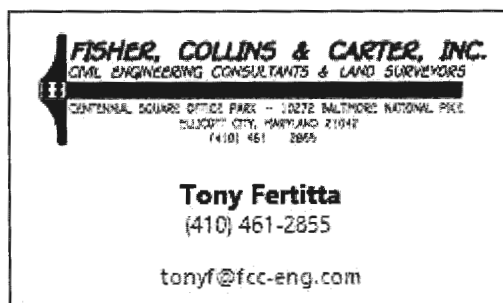
Let me know if you have any questions.

Thanks,

Hank

From: Tony Fertitta <tonyf@fcc-eng.com>
Sent: Wednesday, January 08, 2020 11:20 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: Lot 5

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



.j

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, January 08, 2020 8:11 AM
To: Dave Harward, III
Subject: RE: 3631 Paupers Folly Lane
Attachments: OSDS Memo To FCC_3631 Paupers Folly Lane_2020.pdf; OSDS Design Plan Requirements_Updated 5.31.17.pdf; septic specs.pdf

Hi Dave:

Good morning. Attached, please find comments to the OSDS Plan for 3631 Paupers Folly Lane (Lot 5). Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

From: Dave Harward, III <DaveH@fcc-eng.com>
Sent: Monday, January 06, 2020 10:53 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: RE: B19004282_3635 Paupers Folly Lane

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

Re: B19004282, 3635 Paupers Folly Lane

Hank,

I just wanted to let you know that you should see that the OSDS plan for this lot (Belvedere Lot 6) was delivered to your office this morning. Also, Lot 5 was sent, but that is not needed anytime very soon...they have not gone in for permit on Lot 5 yet.

Lot 6 is of course the priority.

Any questions or comments, please let me know.
Thank You Hank,

Dave.

From: Dave Harward, III
Sent: Friday, January 03, 2020 2:05 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Cagle, Clint <ccagle@nvrinc.com>; Jim Kerwin (jim@decaturbuildingservices.com) <jim@decaturbuildingservices.com>; Anastasia, James <janastas@nvrinc.com>
Subject: RE: B19004282_3635 Paupers Folly Lane

Hi Hank,

This was supposed to be delivered to you today, unfortunately it was not possible to do so. It will be at your office Monday morning.

Thank You,
Dave.



From: Cagle, Clint <ccagle@nvrinc.com>
Sent: Friday, January 03, 2020 1:57 PM
To: 'JIM@DECATURBUILDINGSERVICES.COM' <JIM@DECATURBUILDINGSERVICES.COM>; Dave Harward, III <DaveH@fcc-eng.com>
Cc: Anastasia, James <janastas@nvrinc.com>; Oswald, Hank <hoswald@howardcountymd.gov>
Subject: RE: B19004282_3635 Paupers Folly Lane

Hi Dave,
See the below email from Hank. Can you follow-up.

Thanks,

Clint Cagle | NVHomes | 301-237-5776

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Friday, January 3, 2020 1:01 PM
To: 'JIM@DECATURBUILDINGSERVICES.COM' <JIM@DECATURBUILDINGSERVICES.COM>; Cagle, Clint <ccagle@nvrinc.com>
Subject: [Ext] B19004282_3635 Paupers Folly Lane

To All:

Our office is in receipt of a building permit, site plan and floor plans for 3635 Paupers Folly Lane. At your earliest convenience, please forward 2 copies of an Onsite Sewage Disposal Site Plan for review.

Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

Hank Oswald
Licensed Environmental Health Specialist

1
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov



CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

January 15, 2020

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

Re: Belvedere Estates
Lot 5: 3631 Paupers Folly Lane
Waiver Request: Welled Exit

Dear Mr. Williams:

We are requesting a variance to allow the proposed welled exit (stairs exiting the basement door) to be constructed closer than 20 ft. to the approved sewage disposal area. From the outer edge of the last step to the sewage disposal area is approximately 16.3 ft. And the distance from the outer edge of the last step to the closest proposed septic trench is approximately 26.6 ft. (Fisher, Collins, & Carter, Inc. has provided a section/detail of this).

Thank you for your consideration of this request.

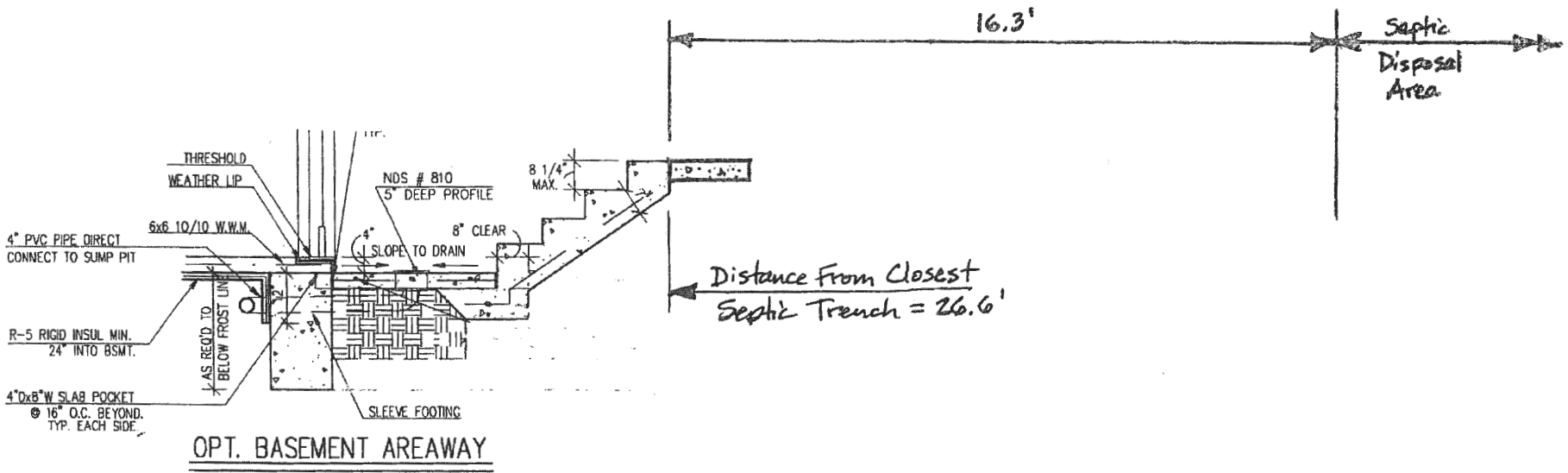
Sincerely,

JI YOON
Homebuyer of Lot 5

JM
Homebuyer of Lot 5

1/15/2020
Date

2/7/20
Approved
Joni J. Davis



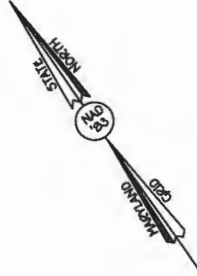
Lot 5

Approximate
Scale: 1" = 3'

Belvedere Estates

STORMWATER MANAGEMENT NOTES:

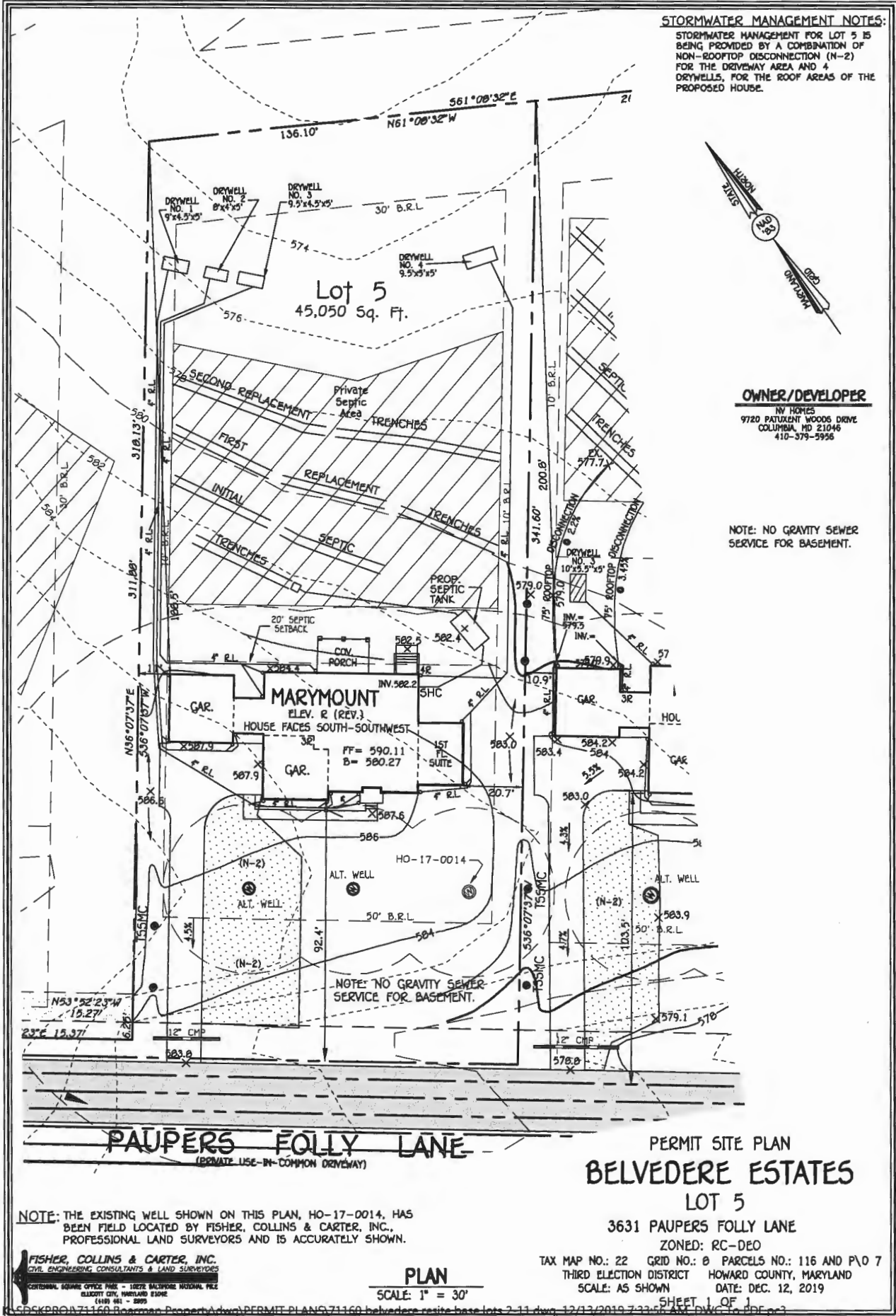
STORMWATER MANAGEMENT FOR LOT 5 IS BEING PROVIDED BY A COMBINATION OF NON-ROOFTOP DISCONNECTION (N-2) FOR THE DRIVEWAY AREA AND 4 DRYWELLS, FOR THE ROOF AREAS OF THE PROPOSED HOUSE.



OWNER/DEVELOPER

IN HOMES
9720 PATUXENT WOODS DRIVE
COLUMBIA, MD 21046
410-379-9956

NOTE: NO GRAVITY SEWER SERVICE FOR BASEMENT.



PAUPERS FOLLY LANE
(PRIVATE USE-IN-COMMON DRIVEWAY)

**PERMIT SITE PLAN
BELVEDERE ESTATES
LOT 5**

3631 PAUPERS FOLLY LANE

ZONED: RC-DEO

TAX MAP NO.: 22 GRID NO.: 8 PARCELS NO.: 116 AND P/O 7
THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN DATE: DEC. 12, 2019

NOTE: THE EXISTING WELL SHOWN ON THIS PLAN, HO-17-0014, 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 - 10828 BALDWIN NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2800

PLAN

SCALE: 1" = 30'

SHEET 1 OF 1

Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, January 14, 2020 12:43 PM
To: Tony Fertitta
Cc: Dave Harward, III
Subject: RE: Lot 5
Attachments: 71160 belvedere resite base lots 2-11.pdf; OSDS Memo To FCC_3631 Paupers Folly Lane_2020.pdf

Hi Tony:

I noticed that some of the trench lengths in the 2nd replacement system is short of 58.59 feet. Also, the distance between the 1st and 2nd replacement trenches must be at least 8 feet given the side wall credit used in the 1st system. Additionally, per my first set of comments, the basement walkout is less than 20 feet from the SDA so this must be addressed. Lastly, details are still needed about the covered porch foundation.

Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

From: Tony Fertitta <tonyf@fcc-eng.com>
Sent: Wednesday, January 08, 2020 1:05 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Dave Harward, III <DaveH@fcc-eng.com>
Subject: RE: Lot 5

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

I was able to do 6' spacing with 2' trench 468.78 length 8 trench's at 58.59

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Wednesday, January 8, 2020 11:49 AM
To: Tony Fertitta <tonyf@fcc-eng.com>
Cc: Dave Harward, III <DaveH@fcc-eng.com>
Subject: RE: Lot 5

Hi Tony:

I consulted with Jeff. He said that any trench that's located below the 580 mark must follow the 2nd replacements system specs (6.5/6.5). With that said, you may use the old trench separation rule with no sidewall credit i.e. 6-foot separation with 2-foot-wide trenches etc. If you cannot fit the last system, then you could try an LPD design and move the tank to the bottom of the SDA and pump up. This will allow you to better utilize the top portion of the SDA.

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Sent: Wednesday, January 08, 2020 11:20 AM

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

Subject: Lot 5

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



Oswald, Hank

From: Oswald, Hank
Sent: Thursday, February 13, 2020 8:07 AM
To: Dave Harward, III
Subject: RE: Belvedere Estates: Lot 5

Hi Dave:

The trench lengths in the calculations shown on the plan differ from your comment "I found that the required trench length was 52.08' (not 58.59)". Also, I noticed the 2nd replacement system calculation still shows a statement; *Effective sidewalk begins at 3 feet.*

Hank

From: Dave Harward, III <DaveH@fcc-eng.com>
Sent: Wednesday, February 12, 2020 10:49 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: Belvedere Estates: Lot 5

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

Hank,

I just wanted to check with you to see if this looks OK (see my prior email below). I was hoping to send new plans to you tomorrow if OK.

Thanks,
Dave.

From: Dave Harward, III
Sent: Monday, February 10, 2020 4:59 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: FW: Lot 5

Hank,

In checking the comments compared to the OSDS plan, I found that the required trench length was 52.08' (not 58.59'). So I've labelled the trenches so it's more clear regarding which trenches are what. I've also adjusted the trenches somewhat to maintain 8 ft. of separation between the 1st and 2nd replacement trenches. So the two initial system trenches now have a circle around the number 1, and the 1st replacement trenches have a circle around the number 2. And the 2nd replacement system has a 3 with a circle around it. The other comments are resolved (waiver has been approved for welled exit) and the rear porch option shown to not be foundation, as the architectural plans I sent you show.

Please let me know if all looks good now (I've attached a pdf of the updated plan to this email).

Thanks for your help on this, and let me know if I can submit new plans tomorrow please.
Dave.



From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Friday, February 07, 2020 3:16 PM
To: Dave Harward, III <DaveH@fcc-eng.com>
Subject: RE: Lot 5

Hi Dave:

The waiver was approved (see attachment). We just need the OSDS Plan comments regarding trench lengths etc. addressed (see attachment).

Thanks,

Hank

From: Dave Harward, III <DaveH@fcc-eng.com>
Sent: Thursday, February 06, 2020 11:17 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: FW: Lot 5

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

Re: Belvedere Estates, Lot 5: 3631 Paupers Folly Lane.

Here's that previous email with the Waiver letter, sketch/detail, and revised permit plot plan.

Thanks again,
Dave.

From: Dave Harward, III
Sent: Thursday, January 16, 2020 11:29 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: RE: Lot 5

Hank,

Attached is the waiver request letter, signed by the homebuyer (Ji Yoon). Also attached is a detail (section) showing the welled exit and the permit plot plan.

Please forward this to Jeff and please let me know if you or Jeff have any questions.

Thank You,

Dave Harward
FCC

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Wednesday, January 15, 2020 7:26 AM
To: Dave Harward, III <DaveH@fcc-eng.com>; Tony Fertitta <tonyf@fcc-eng.com>
Subject: RE: Lot 5

Hi Dave:

That's correct. The owner may try for a waiver to this setback.

Thanks,

Hank

From: Dave Harward, III <DaveH@fcc-eng.com>
Sent: Tuesday, January 14, 2020 1:04 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>; Tony Fertitta <tonyf@fcc-eng.com>
Subject: RE: Lot 5

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Hank,

Thanks for the email. I'll let Tony look into and resolve the trench layout issues. As for the walkout steps from the basement, I believe that's been allowed (it has been awhile since this has come up). It might be that a waiver letter was required. However, I am thinking that you now require that the homebuyer has to sign that waiver request letter? It used to be that we could simply request it on their behalf. Is that this case? The covered porch details are attached (posts on footers only).

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

I was able to do 6' spacing with 2' trench 468.78 length 8 trench's at 58.59

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Wednesday, January 8, 2020 11:49 AM
To: Tony Fertitta <tonyf@fcc-eng.com>
Cc: Dave Harward, III <DaveH@fcc-eng.com>
Subject: RE: Lot 5

Hi Tony:

I consulted with Jeff. He said that any trench that's located below the 580 mark must follow the 2nd replacements system specs (6.5/6.5). With that said, you may use the old trench separation rule with no sidewall credit i.e. 6-foot separation with 2-foot-wide trenches etc. If you cannot fit the last system, then you could try an LPD design and move the tank to the bottom of the SDA and pump up. This will allow you to better utilize the top portion of the SDA.

We could also try perc testing again within the area during wet season.

Let me know if you have any questions.

Thanks,

Hank

From: Tony Fertitta <tonyf@fcc-eng.com>
Sent: Wednesday, January 08, 2020 11:20 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: Lot 5

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

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

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

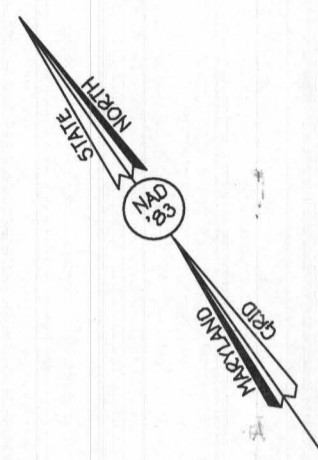
Tony Fertitta

(410) 461-2855

tonyf@fcc-eng.com

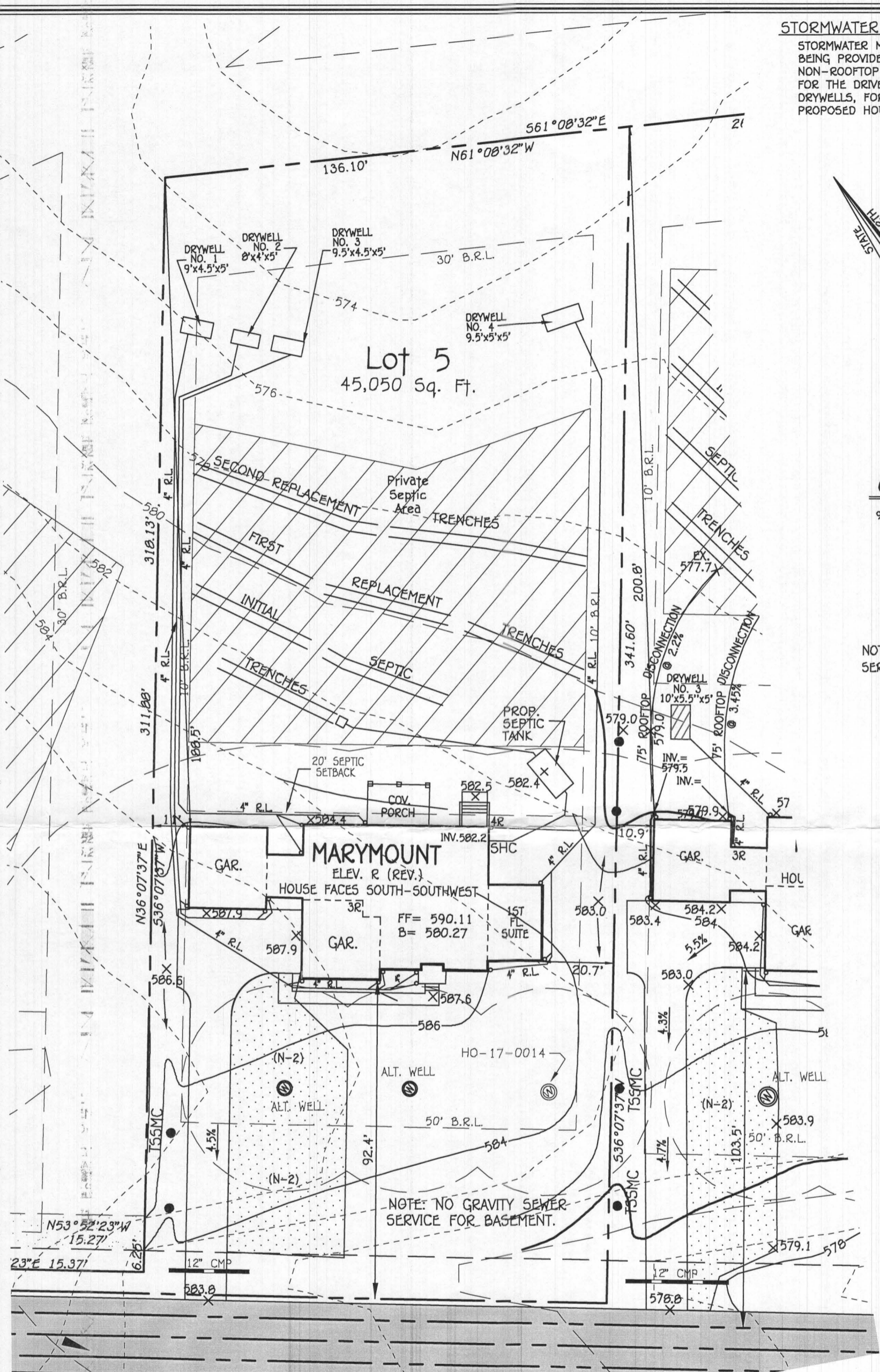
STORMWATER MANAGEMENT NOTES:

STORMWATER MANAGEMENT FOR LOT 5 IS BEING PROVIDED BY A COMBINATION OF NON-ROOFTOP DISCONNECTION (N-2) FOR THE DRIVEWAY AREA AND 4 DRYWELLS, FOR THE ROOF AREAS OF THE PROPOSED HOUSE.



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

NOTE: NO GRAVITY SEWER SERVICE FOR BASEMENT.



PAUPERS FOLLY LANE
 (PRIVATE USE-IN-COMMON DRIVEWAY)

PERMIT SITE PLAN
BELVEDERE ESTATES
 LOT 5

3631 PAUPERS FOLLY LANE
 ZONED: RC-DEO

NOTE: THE EXISTING WELL SHOWN ON THIS PLAN, HO-17-0014, HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.

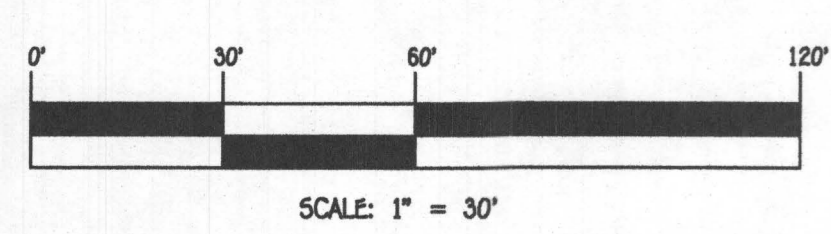
FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2895

PLAN
 SCALE: 1" = 30'

TAX MAP NO.: 22 GRID NO.: 0 PARCELS NO.: 116 AND P\O 7
 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: DEC. 12, 2019

SHEET 1 OF 1

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-17-0014 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.

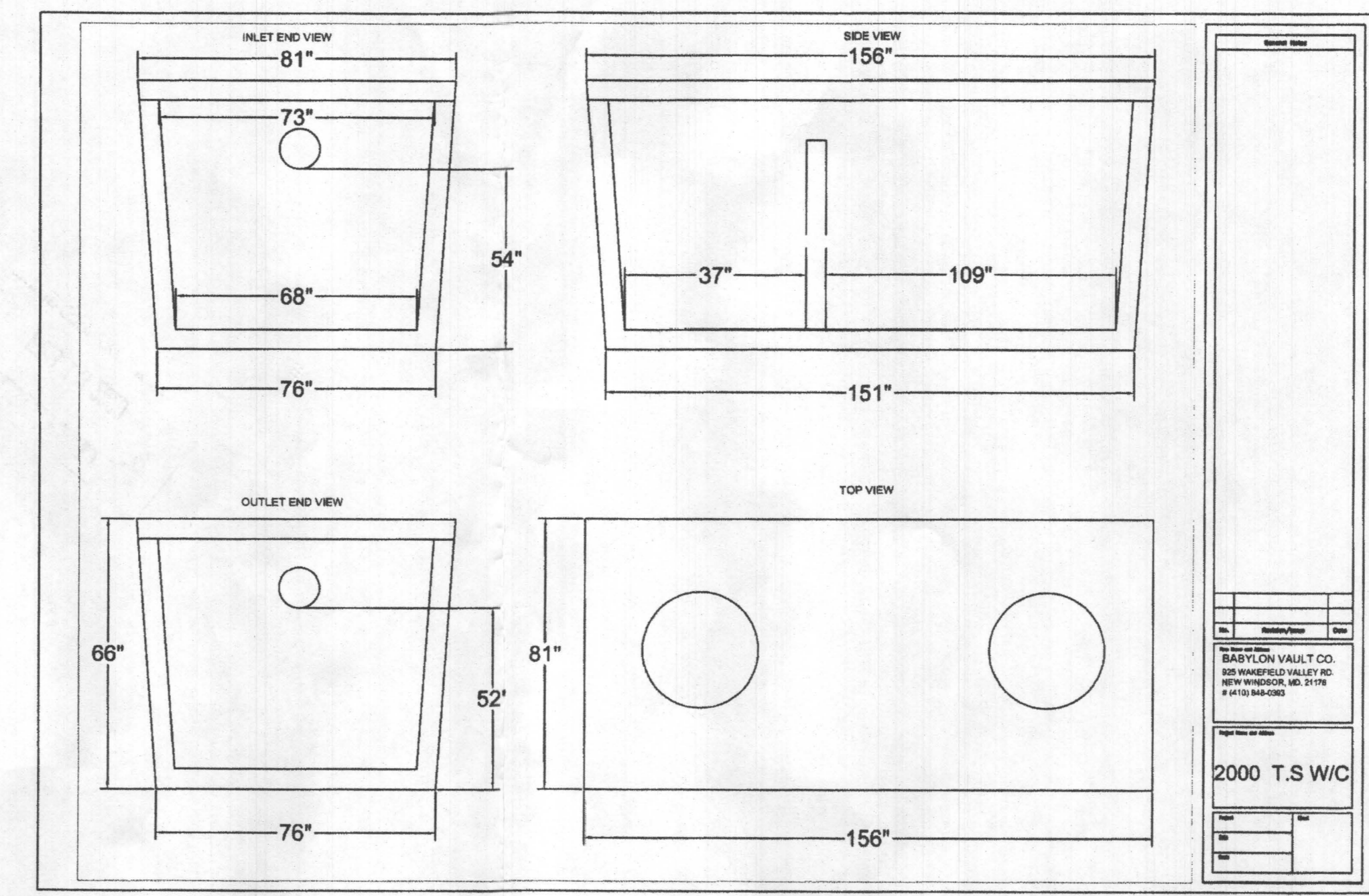


FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLSWORTH CITY, MARYLAND 21046
 (410) 481-2895

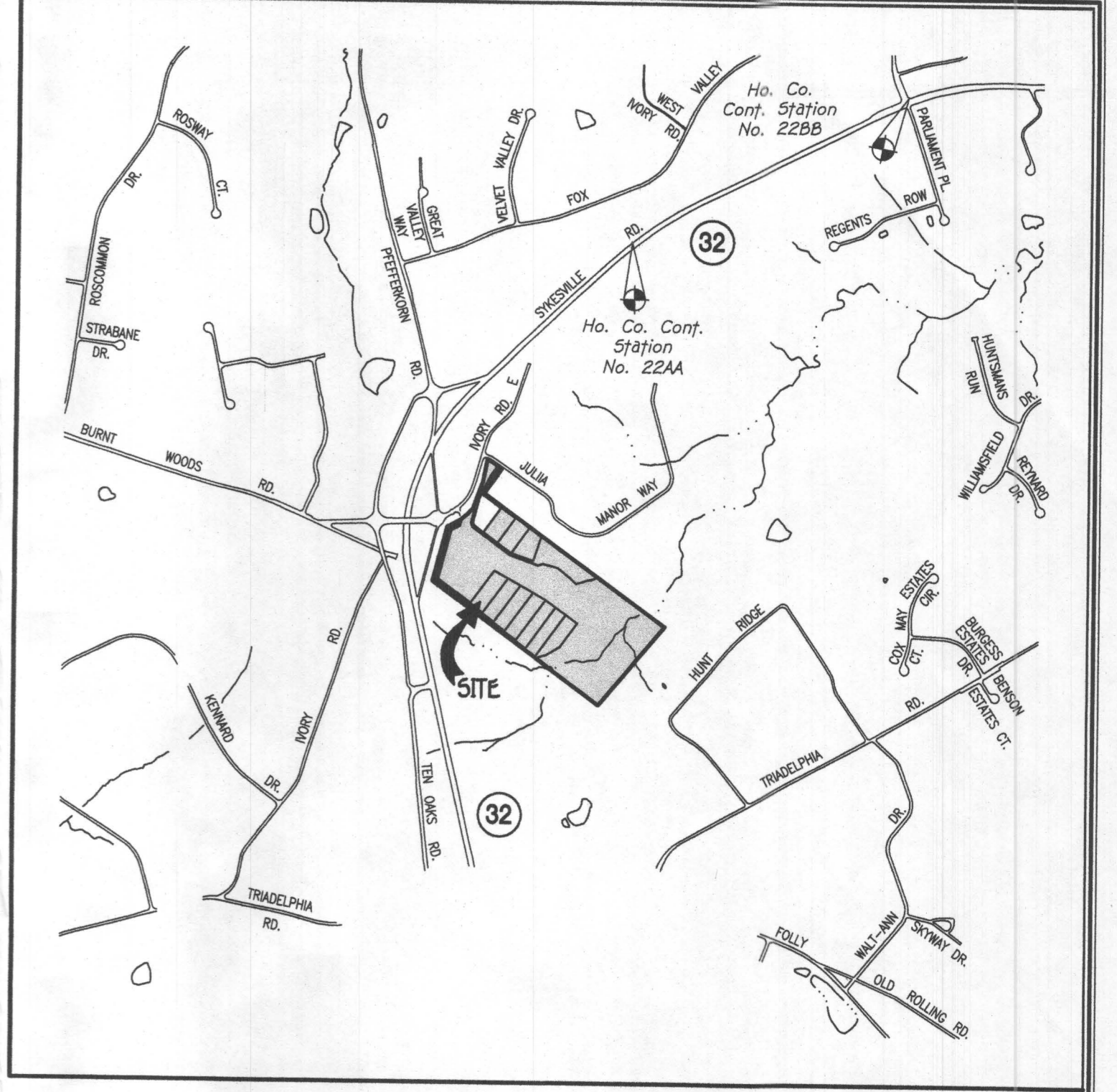
OWNER/DEVELOPER
 NV HOMES
 9720 PATUXENT WOODS DRIVE
 COLUMBIA, MD 21046
 410-379-5956



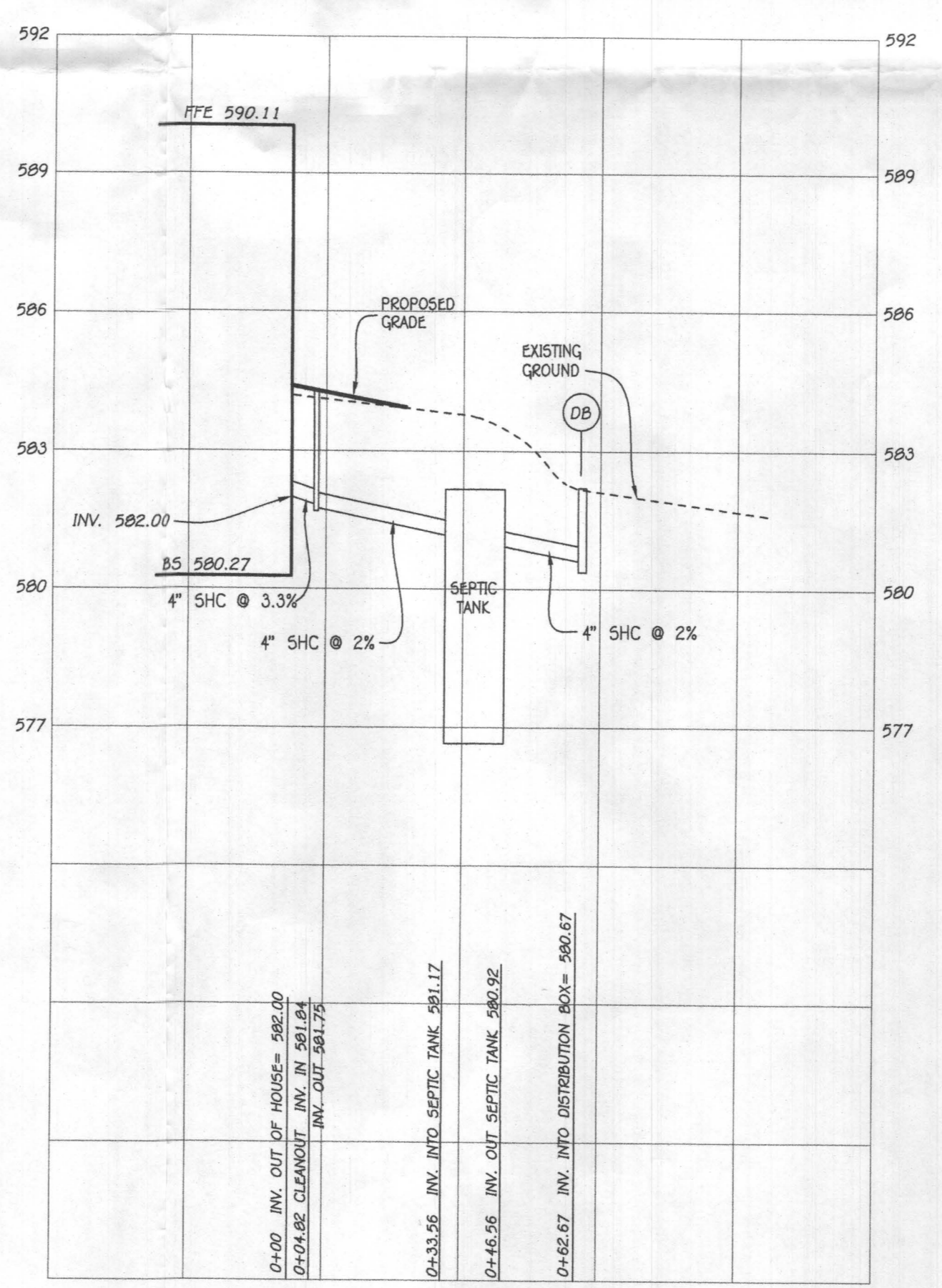
PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20740, EXPIRATION DATE: 02/22/2021.
 Signature of Professional Engineer: *Michael J. Viteri*
 DATE: 2/13/2020



Model/Name	Code
BABYLON VAULT CO.	
185 WARDFIELD VALLEY RD.	
NEW WINDSOR, MD 21778	
# (410) 848-0383	
Type/Notes	
2000 T.S W/C	
Material	
Quantity	
Notes	

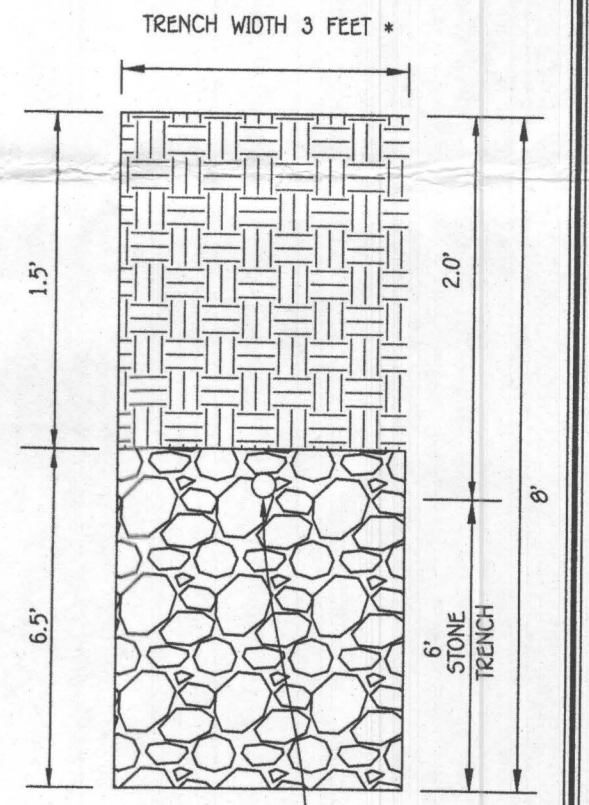


VICINITY MAP
 SCALE: 1" = 1200'



FFE 590.11
 BSE 580.27
 INV. OUT OF HOUSE = 582.00
 PROP. GROUND AT CLEANOUT #1 = 584.3
 INV. INTO CLEANOUT #1 = 581.75
 EX. GROUND AT SEPTIC TANK = 583.8
 PROP. GRADE ABOVE SEPTIC TANK = 583.8
 TOP OF SEPTIC TANK = 582.17
 INV. INTO SEPTIC TANK = 581.17
 INV. OUT OF SEPTIC TANK = 580.92
 EX. GROUND AT DISTRIBUTION BOX = 582.60
 INV. INTO DISTRIBUTION BOX = 580.67
 INV. OUT OF DISTRIBUTION BOX = 580.60

TRENCH DATA:
 TRENCH 1:
 EX. GROUND ABOVE = 582.6
 INV. IN = 580.6
 BOTTOM TRENCH = 574.6
 TRENCH 2:
 EX. GROUND ABOVE = 581.6
 EV. IN = 579.6
 BOTTOM TRENCH = 573.6



INITIAL TRENCH DETAIL
 NOT TO SCALE

INITIAL SYSTEM ①
 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 3 FEET
 TRENCH DEPTH = 8 FEET
 TRENCH WIDTH (W) = 3 FEET
 EFFECTIVE DEPTH (D) = 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+(2x5))=0.357
 TRENCH LENGTH = 312.50 SF X 0.357 = 111.56 FEET
 (2 TRENCHES 55.78)
 TRENCH SPACING = 2D+W = (2x5) + 3 = 13' USE 13'

1ST REPLACEMENT SYSTEM ②
 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 3 FEET
 TRENCH DEPTH = 8 FEET
 TRENCH WIDTH (W) = 3 FEET
 EFFECTIVE DEPTH (D) = 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+(2x5))=0.357
 TRENCH LENGTH = 312.50 SF X 0.357 = 111.56 FEET
 (2 TRENCHES 55.78)
 TRENCH SPACING = 2D+W = (2x5) + 3 = 13' USE 13'

2ND REPLACEMENT SYSTEM ③
 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 3 FEET
 TRENCH DEPTH = 6.5 FEET
 TRENCH WIDTH (W) = 2 FEET
 EFFECTIVE DEPTH (D) = 0 FEET
 SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF
 TRENCH LENGTH = 468.75 FEET
 (9 TRENCHES 52.08)
 TRENCH SPACING = 6'

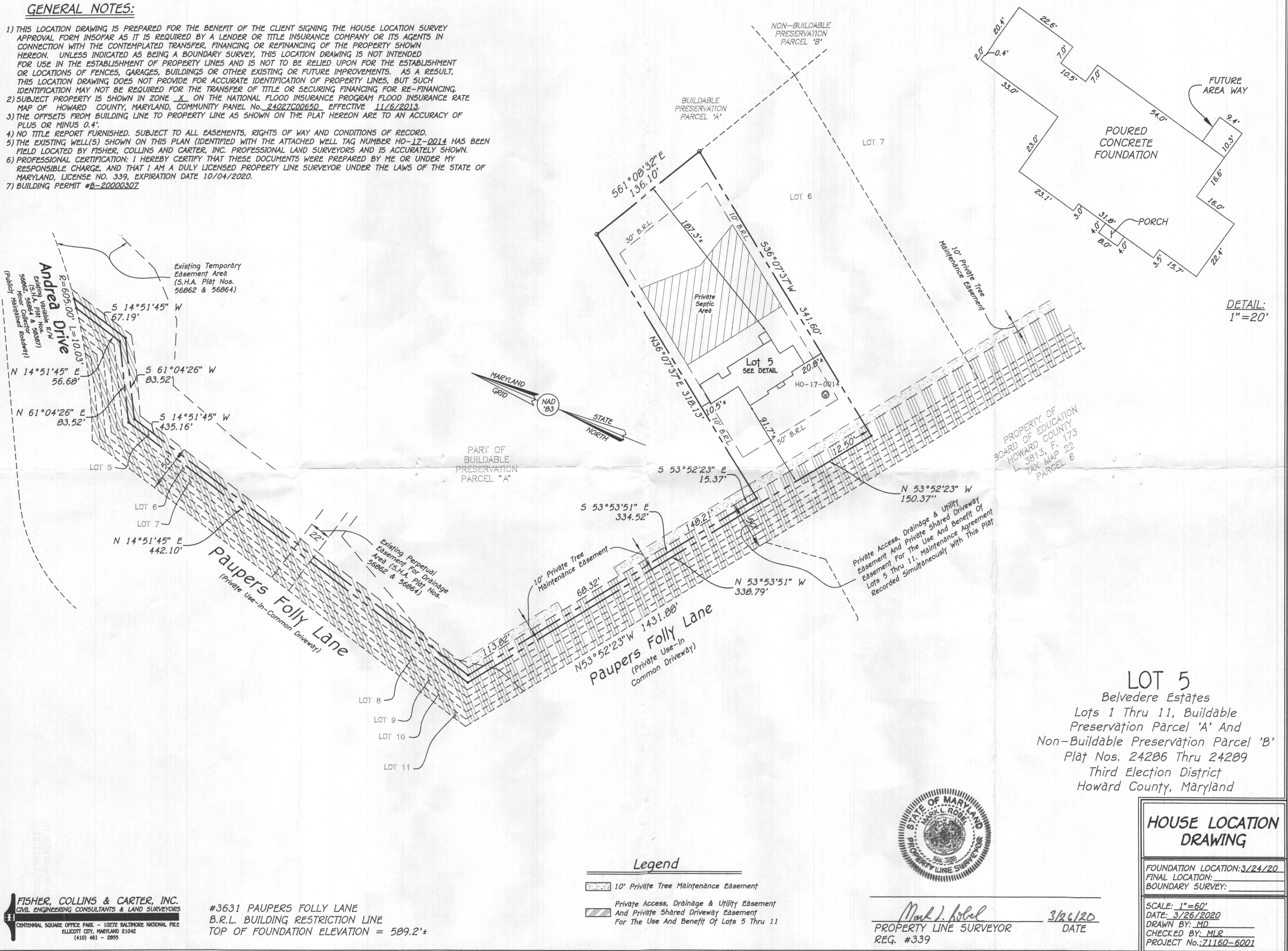
Approved Septic System Plan
 Howard County Health Department
 Hank Oswald 2/13/20
 Signature Date

SEPTIC SYSTEM INSTALLATION SITE PLAN
BELVEDERE ESTATES
 LOT 5
 3631 PAUPERS FOLLY LANE
 ZONED: RC-DEO
 TAX MAP NO: 22 GRID NO: 8 PARCELS NO: 116 AND P.O. 7
 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: FEB. 13, 2020
 SHEET 1 OF 1

NOTE: NO GRAVITY SEWER SERVICE FOR BASEMENT

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. 24027C0065D EFFECTIVE 11/6/2013.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 0.4'.
- 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-17-0014 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 10/04/2020.
- 7) BUILDING PERMIT #B-20000307



DETAIL:
1"=20'

PROPERTY OF
BOARD OF EDUCATION
HOWARD COUNTY
L 3873, F. 173
TAX MAP 22
PARCEL 6

LOT 5
Belvedere Estates
Lots 1 Thru 11, Buildable
Preservation Parcel 'A' And
Non-Buildable Preservation Parcel 'B'
Plat Nos. 24206 Thru 24209
Third Election District
Howard County, Maryland

**HOUSE LOCATION
DRAWING**

FOUNDATION LOCATION: 3/24/20
FINAL LOCATION:
BOUNDARY SURVEY:

SCALE: 1"=60'
DATE: 3/26/2020
DRAWN BY: MD
CHECKED BY: MLR
PROJECT No.: Z1160-6001

Legend

- 10' Private Tree Maintenance Easement
- Private Access, Drainage & Utility Easement
And Private Shared Driveway Easement
For The Use And Benefit Of Lots 5 Thru 11



Mark L. Sobel
PROPERTY LINE SURVEYOR
REG. #339
3/26/20
DATE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461-2895

#3631 PAUPERS FOLLY LANE
B.R.L. BUILDING RESTRICTION LINE
TOP OF FOUNDATION ELEVATION = 589.2'±