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

MEMORANDUM

TO: NJR & Associates
2770 State Route 32
West Friendship, MD 21794

FROM: Hank Oswald, L.E.H.S.
Well & Septic Program

RE: Perc Cert Plan
Allnut Farm Estates, Lot 15
Open Space Court

Date: July 8, 2019

The percolation certification plan for Allnut Farm Estates, Lot 15 has been reviewed with the following comments:

- 1.) Show 1500 sq. ft. well box.
- 2.) Show trenches on contour.
- 3.) Trench B1 and B4 are too close. The trenches must be a minimum of 10 feet edge to edge (Additional trench spacing is required on trenches using 3.5 ft. sidewall credit).
- 4.) Show less grading (maybe 3 to 4 inches) in area where Trench C-3 intersects driveway.

Maryland Real Estate Development



Transmittal

DATE: Monday, July 29, 2019

TO:

Hank Oswald or Jeff Williams

Gregory Phillips
Maryland Real Estate Development LLC
7846 River Rock Way
Columbia, MD 21044

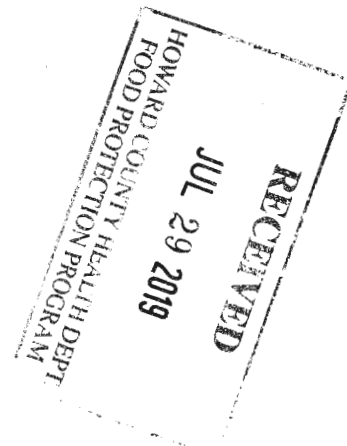
gphillips@mred.us

Direct 410-977-0864

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

Regarding:

Well Stakeout Form & Exhibit



Oswald, Hank

From: Oswald, Hank
Sent: Monday, July 22, 2019 11:46 AM
To: 'roshannj@aol.com'
Cc: 'gphillips@mred.us'
Subject: Perc Cert Plan Review Comments_Open Space Court_Lot 15
Attachments: PERC CERT Memo To NJR__7.22.2019.pdf

Hello Mr. Roshan:

Attached, please find plan review comments for Open Space Court, Lot 15. Should you have any questions please don't hesitate to ask.

Respectfully,

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

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Maryland Real Estate Development



Transmittal

DATE: Wednesday, July 31, 2019

TO:

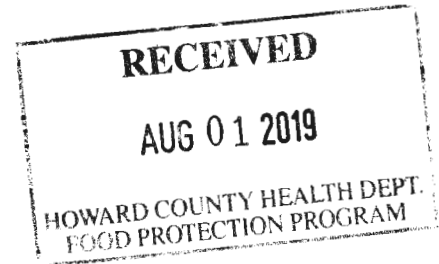
Jeff Williams

Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)

Gregory Phillips
Maryland Real Estate Development LLC
7846 River Rock Way
Columbia, MD 21044

gphillips@mred.us

Direct 410-977-0864



Regarding:

Well Site Exhibit



Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

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

TO: All Interested Parties

FROM: Jeff Williams
Program Supervisor
Well and Septic Program

RE: **Acceptable Well Site Plans for Proposed Vacant Lots and Subdivisions**

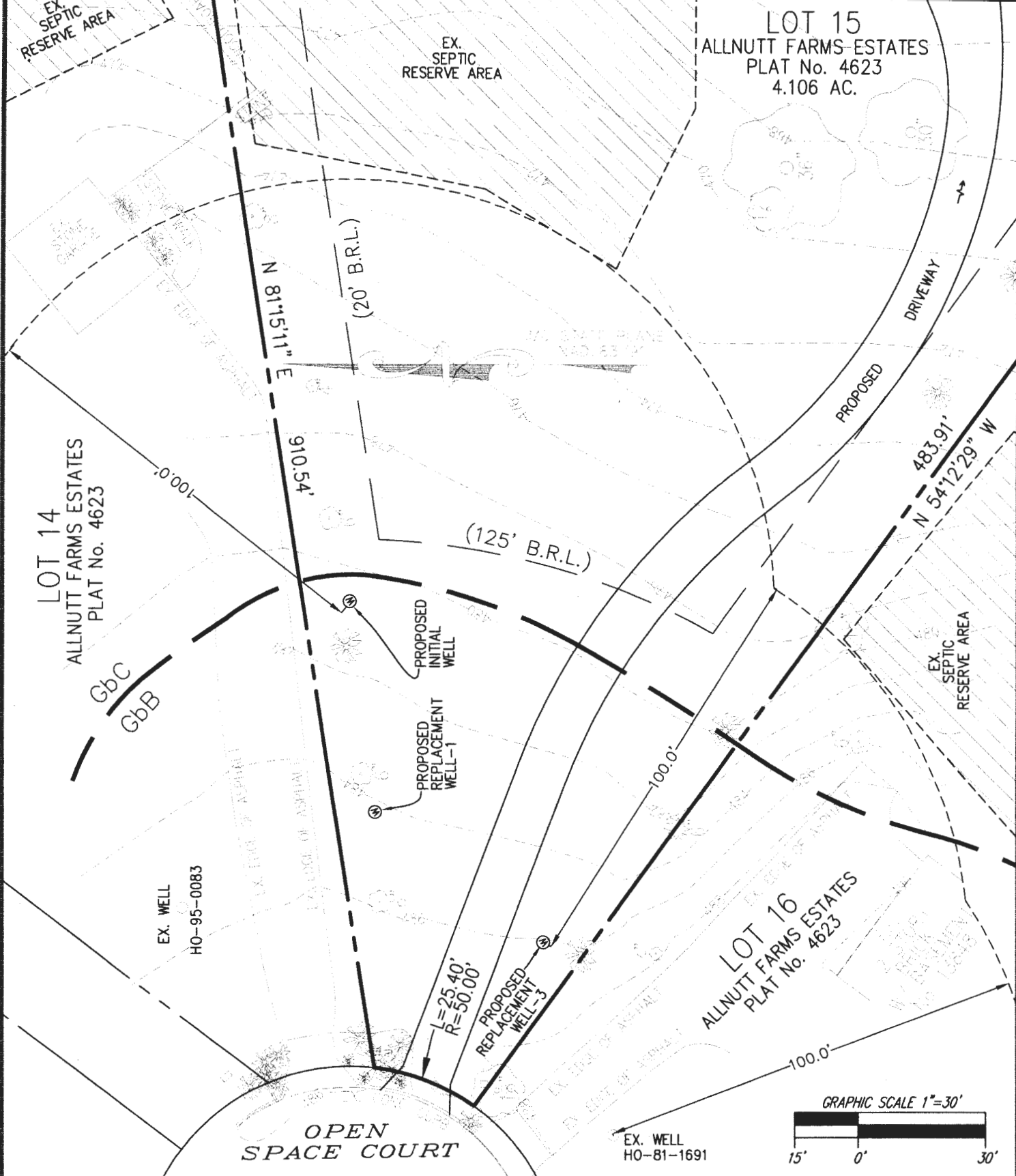
DATE: August 23, 2013

Effective immediately, well permit site plans for all proposed vacant lots and all residential subdivisions must be a copy of an 8 ½" by 11", 1" to 30' to 1" = 100' scaled drawing of the most recently approved Health Department Percolation Certification Plan with a specific proposed well site shown. This well site must be within the approved well box (1500 sq. ft.) or identified as one of three distinct proposed well sites. This plan must have accurate topography.

If a larger scale plan is needed because of a large lot size or other specific reasons, submit a written request for the deviation to the Well & Septic Program.

Be advised that a well site must be professionally staked and is subject to review by the Health Department prior to issuance of the well construction permit.

Two copies of this well site plan and the attached paperwork must be submitted for each proposed lot.



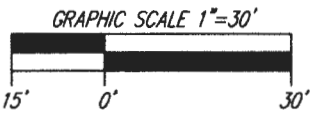
WELL STAKEOUT EXHIBIT
ALLNUT FARM ESTATES, SECTION-5
LOTS 15
 PLAT No. 4623
 OPEN SPACE COURT, HIGHLAND, MD 20777
 TAX MAP 34, GRID 15, PARCEL 375
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

DESIGNED BY:	NJ
CHECKED BY:	WR
SCALE:	1" = 30'
DATE:	JULY 30, 2019
PROJECT No.	3534
SHEET:	1 OF 1

PREPARED BY:



NJR & ASSOCIATES, LLC.
LAND SURVEYING AND PLANNING
 2770 STATE ROUTE 32
 WEST FRIENDSHIP, MD 21794
 TEL: (240) 508-3200



EX. WELL
 HO-81-1691

Oswald, Hank

From: roshannj@aol.com
Sent: Tuesday, August 20, 2019 8:25 AM
To: Oswald, Hank
Cc: gphillips@mred.us
Subject: Re: Perc Cert_Allnut Farm Estates_Open Space_Lot 15

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

That should work fine as the location of the field located well was the same as the the proposed.

Thank you
Najib Roshan, LS
NJR & Associates, LLC
2770 Route 32
West Friendship, MD 21794
PH (240) 508-3200
roshannj@aol.com

-----Original Message-----

From: Oswald, Hank <hoswald@howardcountymd.gov>
To: 'roshannj@aol.com' <roshannj@aol.com>
Cc: 'gphillips@mred.us' <gphillips@mred.us>
Sent: Mon, Aug 19, 2019 10:17 am
Subject: Perc Cert_Allnut Farm Estates_Open Space_Lot 15

Good morning Sir:

The perc cert plan received on July 29, 2019 showing 3 well sites was approved on 8/9/2019. On the same day this plan was approved, this office received a revised perc cert plan showing the newly drilled well (field located) in the proposed well location. At the time when we asked for the newly drilled well to be field located, the plan was being revised from a well box to showing 3 well sites. With that said, unless you would like this plan sent for signature, we would prefer to just keep a copy as a reference and use the previous approved version.

Should you have any questions or would like the newest version to go through the signature process, please don't hesitate to contact me.

Respectfully,

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



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Oswald, Hank

From: Oswald, Hank
Sent: Monday, July 08, 2019 1:50 PM
To: 'roshanj@aol.com'
Cc: 'gphillips@mred.us'; Wolf, Kevin; Cabahug, Joseph
Subject: Perc Cert Plan_Open Space Court
Attachments: PERC CERT Memo To NJR_7.8.2019.pdf

Good afternoon:

Attached, please find a memo with comments pertaining to the perc cert plan for Open Space Court, Lot 15. In addition, I've been instructed by my supervisor to forward the file to my coworkers Kevin Wolf & Joseph Cabahug to finish reviewing/release the well permit application. Please contact them directly at 410.313.1771 for status on application or respond via this email.

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

Respectfully,

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

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LETTER OF TRANSMITTAL

NJR & Associates, LLC.

LAND SURVEYING & PLANNING

2770 State Route 32

West Friendship, Maryland 21794

Tel. (240)508-3200

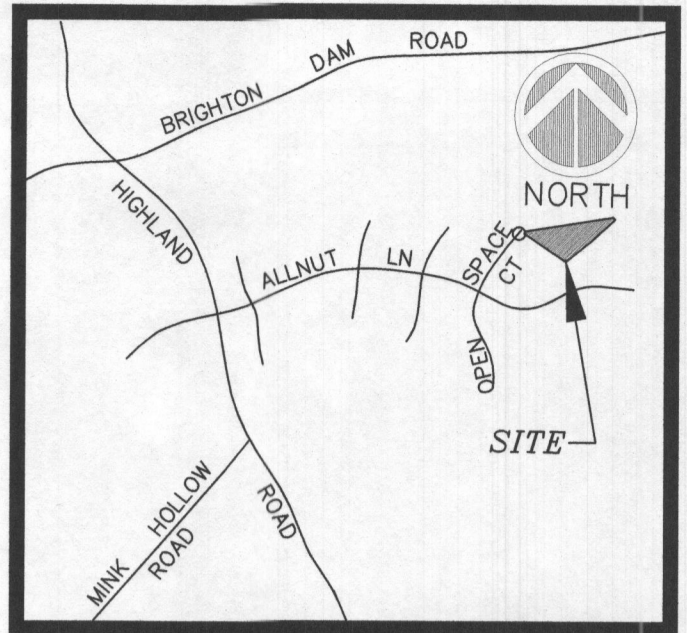
Email: roshannj@aol.com

Date: August 8, 2019

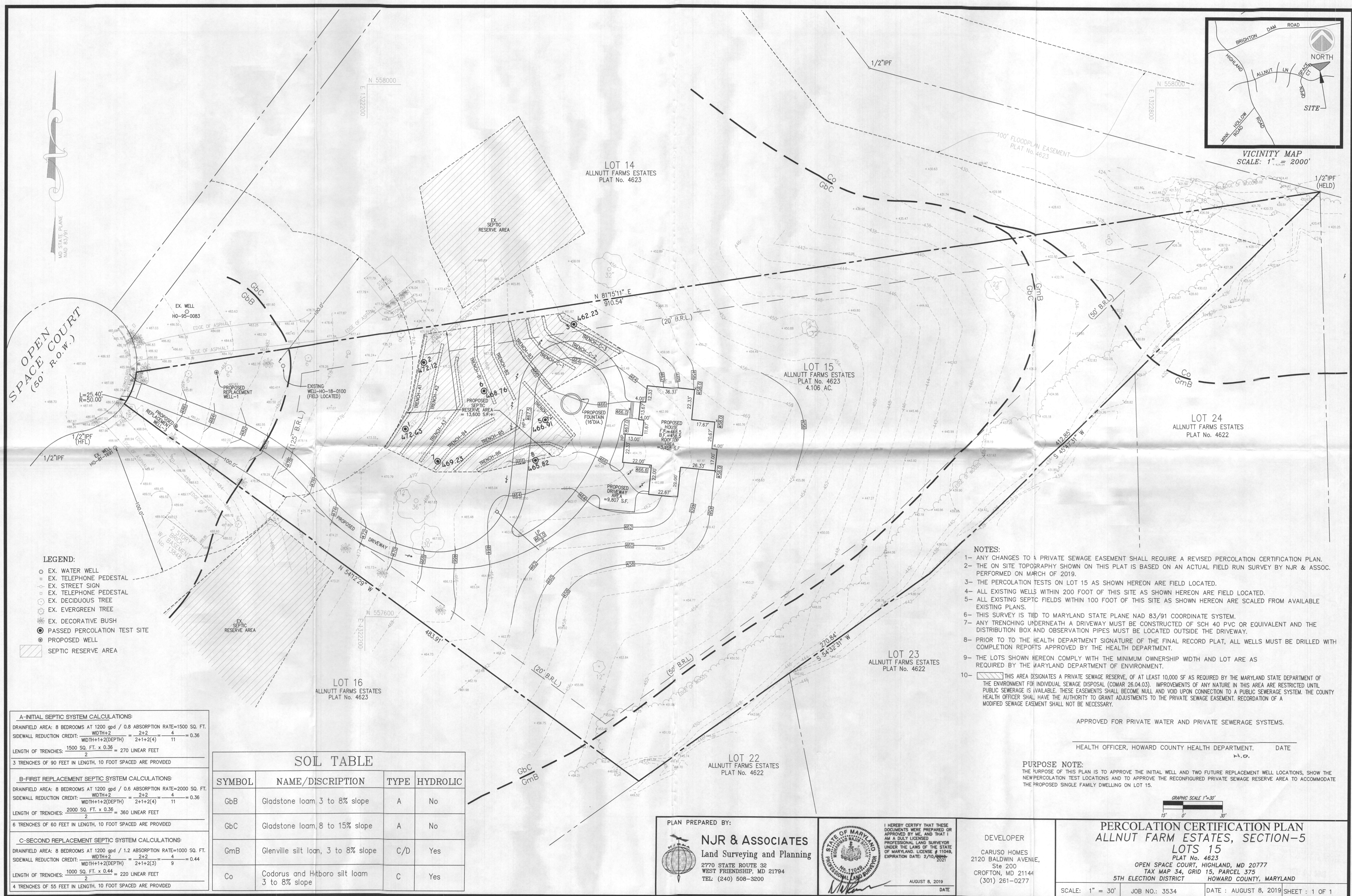
TO: Mr. Jeff Williams
Howard County Health Department
8930 Stanford Boulevard
Columbia, Maryland 21045

RE: Lot 15, Allnut Farm Estates
Plat No. 4623
Open Space Court
Tax Map-34, Grid-157, Parcel 375

No.	Description	Copies
<u>1</u>	<u>Revised Percolation Certification Plan</u>	<u>3</u>
<u>2</u>		
<u>3</u>		



VICINITY MAP
SCALE: 1" = 2000'



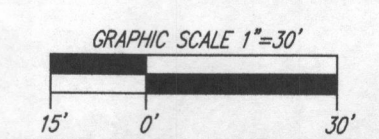
- LEGEND:**
- EX. WATER WELL
 - EX. TELEPHONE PEDESTAL
 - ◇ EX. STREET SIGN
 - EX. TELEPHONE PEDESTAL
 - EX. DECIDUOUS TREE
 - EX. EVERGREEN TREE
 - EX. DECORATIVE BUSH
 - PASSED PERCOLATION TEST SITE
 - PROPOSED WELL
 - ▨ SEPTIC RESERVE AREA

- NOTES:**
- 1- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - 2- THE ON SITE TOPOGRAPHY SHOWN ON THIS PLAN IS BASED ON AN ACTUAL FIELD RUN SURVEY BY NJR & ASSOC. PERFORMED ON MARCH OF 2019.
 - 3- THE PERCOLATION TESTS ON LOT 15 AS SHOWN HEREON ARE FIELD LOCATED.
 - 4- ALL EXISTING WELLS WITHIN 200 FOOT OF THIS SITE AS SHOWN HEREON ARE FIELD LOCATED.
 - 5- ALL EXISTING SEPTIC FIELDS WITHIN 100 FOOT OF THIS SITE AS SHOWN HEREON ARE SCALED FROM AVAILABLE EXISTING PLANS.
 - 6- THIS SURVEY IS TIED TO MARYLAND STATE PLANE NAD 83/91 COORDINATE SYSTEM.
 - 7- ANY TRENCHING UNDERNEATH A DRIVEWAY MUST BE CONSTRUCTED OF SCH 40 PVC OR EQUIVALENT AND THE DISTRIBUTION BOX AND OBSERVATION PIPES MUST BE LOCATED OUTSIDE THE DRIVEWAY.
 - 8- PRIOR TO THE HEALTH DEPARTMENT SIGNATURE OF THE FINAL RECORD PLAT, ALL WELLS MUST BE DRILLED WITH COMPLETION REPORTS APPROVED BY THE HEALTH DEPARTMENT.
 - 9- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
 - 10- THIS AREA DESIGNATES A PRIVATE SEWAGE RESERVE, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT. DATE

PURPOSE NOTE:
THE PURPOSE OF THIS PLAN IS TO APPROVE THE INITIAL WELL AND TWO FUTURE REPLACEMENT WELL LOCATIONS, SHOW THE NEW PERCOLATION TEST LOCATIONS AND TO APPROVE THE RECONFIGURED PRIVATE SEWAGE RESERVE AREA TO ACCOMMODATE THE PROPOSED SINGLE FAMILY DWELLING ON LOT 15.



A-INITIAL SEPTIC SYSTEM CALCULATIONS:

DRAINFIELD AREA: 8 BEDROOMS AT 1200 gpd / 0.8 ABSORPTION RATE=1500 SQ. FT.
 SIDEWALL REDUCTION CREDIT: $\frac{WIDTH+2}{WIDTH+1+2(DEPTH)} = \frac{2+2}{2+1+2(4)} = \frac{4}{11} = 0.36$
 LENGTH OF TRENCHES: $\frac{1500 \text{ SQ. FT.} \times 0.36}{2} = 270 \text{ LINEAR FEET}$
 3 TRENCHES OF 90 FEET IN LENGTH, 10 FOOT SPACED ARE PROVIDED

B-FIRST REPLACEMENT SEPTIC SYSTEM CALCULATIONS:

DRAINFIELD AREA: 8 BEDROOMS AT 1200 gpd / 0.6 ABSORPTION RATE=2000 SQ. FT.
 SIDEWALL REDUCTION CREDIT: $\frac{WIDTH+2}{WIDTH+1+2(DEPTH)} = \frac{2+2}{2+1+2(4)} = \frac{4}{11} = 0.36$
 LENGTH OF TRENCHES: $\frac{2000 \text{ SQ. FT.} \times 0.36}{2} = 360 \text{ LINEAR FEET}$
 6 TRENCHES OF 60 FEET IN LENGTH, 10 FOOT SPACED ARE PROVIDED

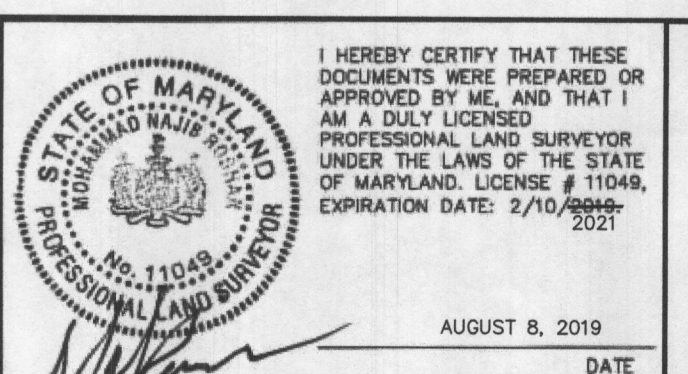
C-SECOND REPLACEMENT SEPTIC SYSTEM CALCULATIONS:

DRAINFIELD AREA: 8 BEDROOMS AT 1200 gpd / 1.2 ABSORPTION RATE=1000 SQ. FT.
 SIDEWALL REDUCTION CREDIT: $\frac{WIDTH+2}{WIDTH+1+2(DEPTH)} = \frac{2+2}{2+1+2(3)} = \frac{4}{9} = 0.44$
 LENGTH OF TRENCHES: $\frac{1000 \text{ SQ. FT.} \times 0.44}{2} = 220 \text{ LINEAR FEET}$
 4 TRENCHES OF 55 FEET IN LENGTH, 10 FOOT SPACED ARE PROVIDED

SOIL TABLE

SYMBOL	NAME/DISCRPTION	TYPE	HYDROLIC
GbB	Gladstone loam 3 to 8% slope	A	No
GbC	Gladstone loam 8 to 15% slope	A	No
GmB	Glenville silt loam, 3 to 8% slope	C/D	Yes
Co	Codorus and Htboro silt loam 3 to 8% slope	C	Yes

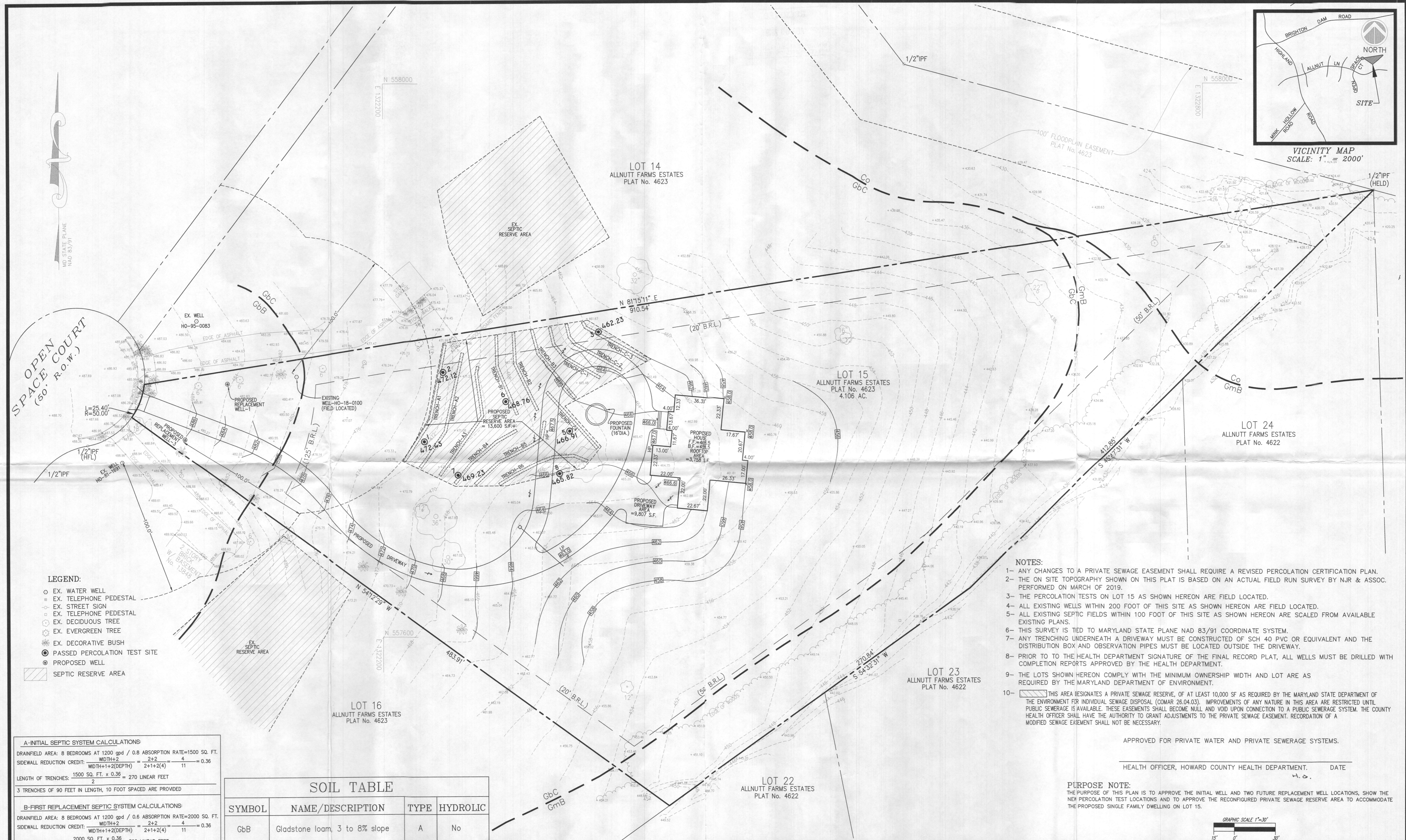
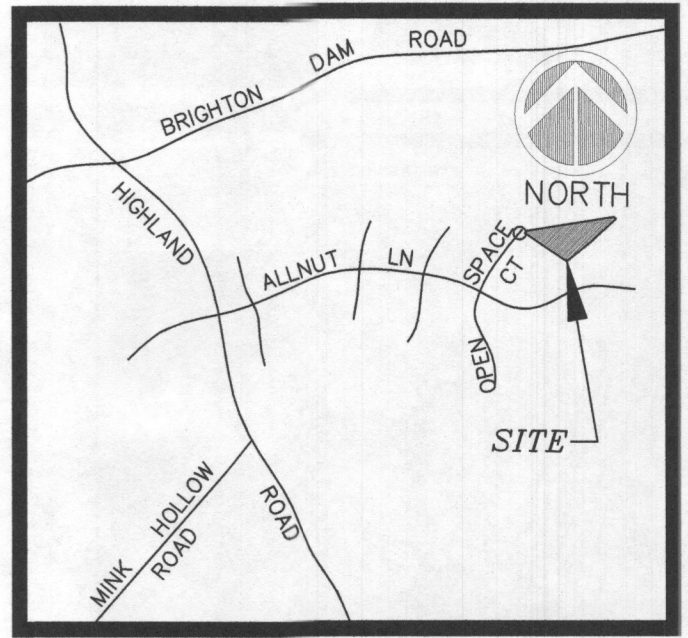
PLAN PREPARED BY:
NJR & ASSOCIATES
 Land Surveying and Planning
 2770 STATE ROUTE 32
 WEST FRIENDSHIP, MD 21794
 TEL: (240) 508-3200



DEVELOPER
 CARUSO HOMES
 2120 BALDWIN AVENUE,
 Ste 200
 CROFTON, MD 21144
 (301) 261-0277

PERCOLATION CERTIFICATION PLAN
ALLNUT FARM ESTATES, SECTION-5
LOTS 15
 PLAT No. 4623
 OPEN SPACE COURT, HIGHLAND, MD 20777
 TAX MAP 34, GRID 15, PARCEL 375
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 30' JOB NO.: 3534 DATE: AUGUST 8, 2019 SHEET: 1 OF 1



- LEGEND:**
- EX. WATER WELL
 - EX. TELEPHONE PEDESTAL
 - ◇ EX. STREET SIGN
 - EX. TELEPHONE PEDESTAL
 - EX. DECIDUOUS TREE
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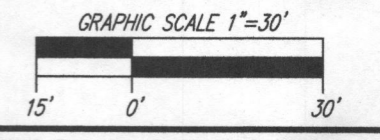
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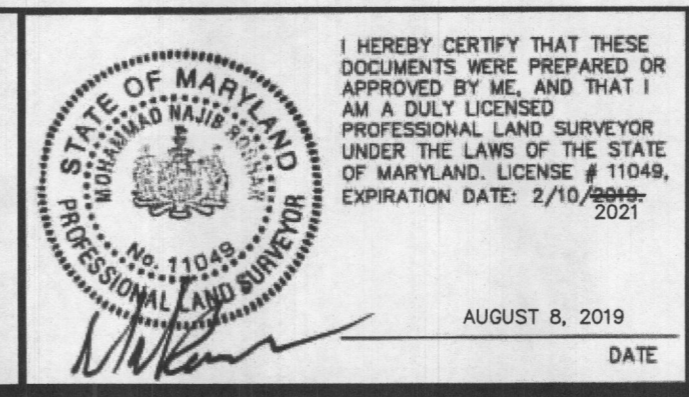
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PLAN PREPARED BY:
NJR & ASSOCIATES
Land Surveying and Planning
2770 STATE ROUTE 32
WEST FRIENDSHIP, MD 21794
TEL: (240) 508-3200



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE # 11049, EXPIRATION DATE: 2/10/2021

DEVELOPER
CARUSO HOMES
2120 BALDWIN AVENUE,
Ste 200
CROFTON, MD 21114
(301) 261-0277

PERCOLATION CERTIFICATION PLAN
ALLNUT FARM ESTATES, SECTION-5
LOTS 15
PLAT No. 4623
OPEN SPACE COURT, HIGHLAND, MD 20777
TAX MAP 34, GRID 15, PARCEL 375
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 30' JOB NO.: 3534 DATE: AUGUST 8, 2019 SHEET: 1 OF 1

wald, Hank

From: Oswald, Hank
Sent: Monday, August 19, 2019 10:18 AM
To: 'roshannj@aol.com'
CC: 'gphillips@mred.us'
Subject: Perc Cert_Allnut Farm Estates_Open Space_Lot 15

Good morning Sir:

The perc cert plan received on July 29, 2019 showing 3 well sites was approved on 8/9/2019. On the same day this plan was approved, this office received a revised perc cert plan showing the newly drilled well (field located) in the proposed well location. At the time when we asked for the newly drilled well to be field located, the plan was being revised from a well box to showing 3 well sites. With that said, unless you would like this plan sent for signature, we would prefer to just keep a copy as a reference and use the previous approved version.

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Respectfully,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
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Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, June 18, 2019 10:26 AM
To: roshannj@aol.com
Cc: 'gphillips@mred.us'
Subject: RE: Perc Cert Review_Allnut Farm Estates Lot 15

Good morning:

I looked the plan over with my supervisor. The two newly proposed perc test holes are fine. They will need to be field located and staked/# prior to the test date. Also, my supervisor brought up a good point. We cannot allow more than a few inches of grading or fill within the SDA to accommodate the driveway so that will need to be corrected.

I could test as early this Thursday or Friday morning at 8. Please confirm.

Thanks,

Hank

From: roshannj@aol.com <roshannj@aol.com>
Sent: Monday, June 17, 2019 6:47 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: gphillips@mred.us
Subject: Re: Perc Cert Review_Allnut Farm Estates Lot 15

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

Good afternoon,

On the attached plan, I removed the previous SDA, adjusted the grading to be less the 25% and added the proposed trenches and calculations for an 8 bedroom house.

I also added two proposed percolation test sites on the outer limit of the area to the south. Can you please take a quick look at this PDF and let us know if this would be okay to schedule additional testing so this system can accommodate 8 bedrooms? As you can see, without this extension, there is not enough room for these trenches in any other direction.

Thank you
Najib Roshan, LS
NJR & Associates, LLC
2770 Route 32
West Friendship, MD 21794
PH (240) 508-3200
roshannj@aol.com

-----Original Message-----

From: Oswald, Hank <hoswald@howardcountymd.gov>
To: 'roshannj@aol.com' <roshannj@aol.com>
Cc: 'gphillips@mred.us' <gphillips@mred.us>
Sent: Mon, Jun 17, 2019 2:05 pm
Subject: Perc Cert Review_Allnut Farm Estates Lot 15

Hello Mr. Roshan:

Attached, please find comments to the perc cert plan for Allnut Farm Estates, Lot 15. Should you have any questions, please don't hesitate to ask.

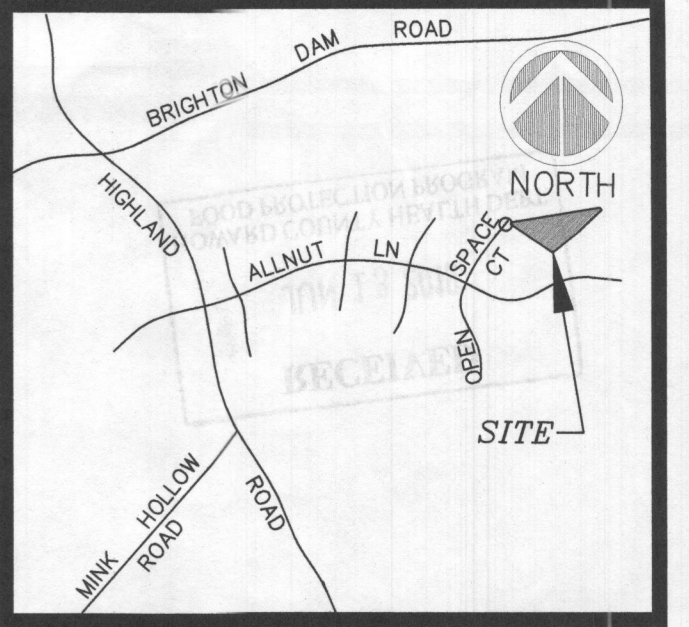
Respectfully,

Thank

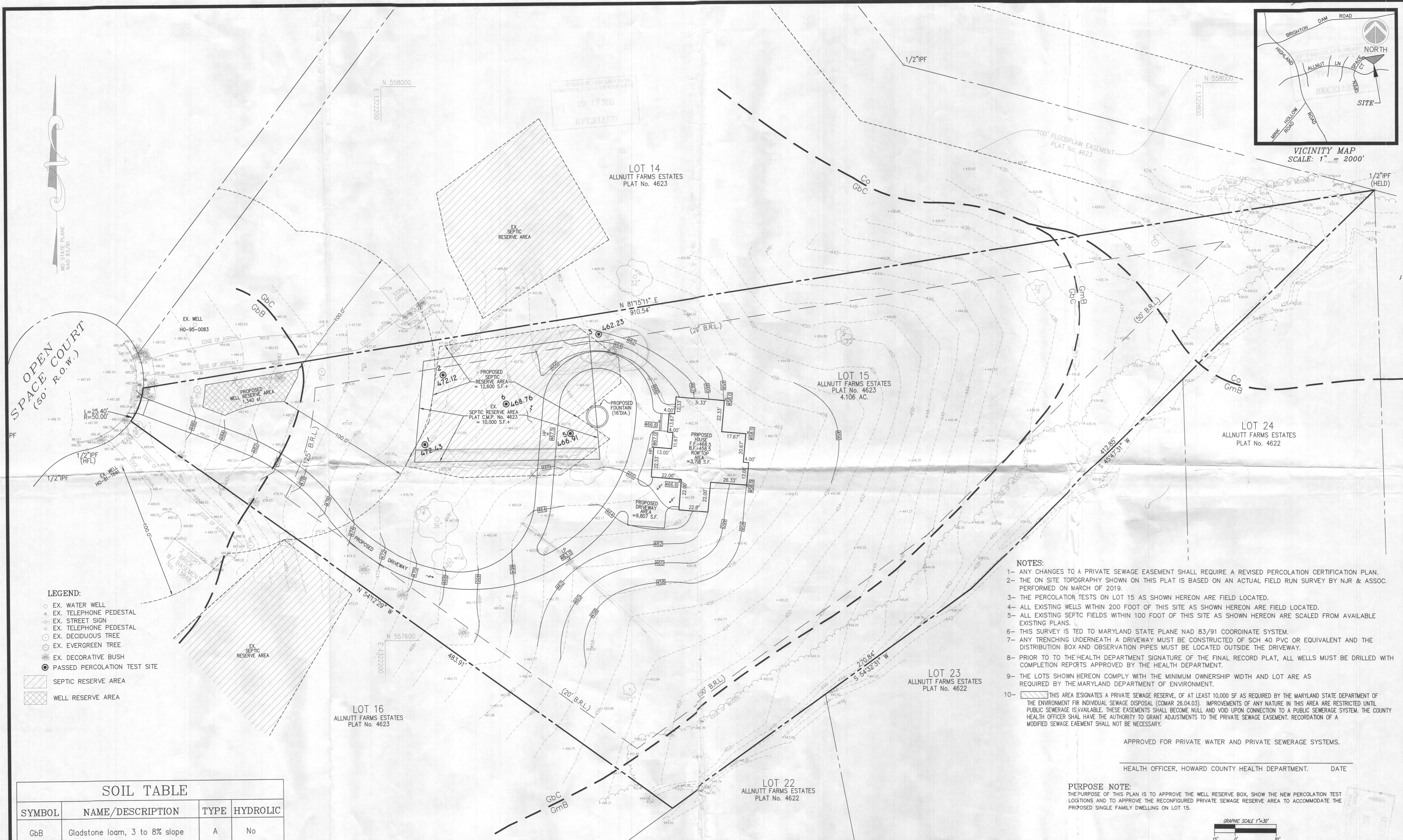
Frank Oswald
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Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
oswald@howardcountymd.gov

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VICINITY MAP
SCALE: 1" = 2000'

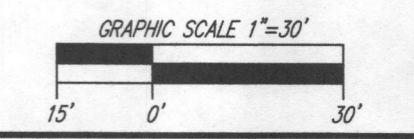


- LEGEND:**
- EX. WATER WELL
 - EX. TELEPHONE PEDESTAL
 - ◇ EX. STREET SIGN
 - ◇ EX. TELEPHONE PEDESTAL
 - EX. DECIDUOUS TREE
 - EX. EVERGREEN TREE
 - EX. DECORATIVE BUSH
 - PASSED PERCOLATION TEST SITE
 - ▨ SEPTIC RESERVE AREA
 - ▩ WELL RESERVE AREA

- NOTES:**
- 1- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - 2- THE ON SITE TOPOGRAPHY SHOWN ON THIS PLAT IS BASED ON AN ACTUAL FIELD RUN SURVEY BY NJR & ASSOC. PERFORMED ON MARCH OF 2019.
 - 3- THE PERCOLATION TESTS ON LOT 15 AS SHOWN HEREON ARE FIELD LOCATED.
 - 4- ALL EXISTING WELLS WITHIN 200 FOOT OF THIS SITE AS SHOWN HEREON ARE FIELD LOCATED.
 - 5- ALL EXISTING SEPTIC FIELDS WITHIN 100 FOOT OF THIS SITE AS SHOWN HEREON ARE SCALED FROM AVAILABLE EXISTING PLANS.
 - 6- THIS SURVEY IS TIED TO MARYLAND STATE PLANE NAD 83/91 COORDINATE SYSTEM.
 - 7- ANY TRENCHING UNDERNEATH A DRIVEWAY MUST BE CONSTRUCTED OF SCH 40 PVC OR EQUIVALENT AND THE DISTRIBUTION BOX AND OBSERVATION PIPES MUST BE LOCATED OUTSIDE THE DRIVEWAY.
 - 8- PRIOR TO THE HEALTH DEPARTMENT SIGNATURE OF THE FINAL RECORD PLAT, ALL WELLS MUST BE DRILLED WITH COMPLETION REPORTS APPROVED BY THE HEALTH DEPARTMENT.
 - 9- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
 - 10- THIS AREA DESIGNATES A PRIVATE SEWAGE RESERVE, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT. DATE

PURPOSE NOTE:
THE PURPOSE OF THIS PLAN IS TO APPROVE THE WELL RESERVE BOX, SHOW THE NEW PERCOLATION TEST LOCATIONS AND TO APPROVE THE RECONFIGURED PRIVATE SEWAGE RESERVE AREA TO ACCOMMODATE THE PROPOSED SINGLE FAMILY DWELLING ON LOT 15.



SOIL TABLE			
SYMBOL	NAME/DESCRIPTION	TYPE	HYDROLIC
GbB	Gladstone loam, 3 to 8% slope	A	No
GbC	Gladstone loam, 8 to 15% slope	A	No
GmB	Glenville silt loam, 3 to 8% slope	C/D	Yes
Co	Codorus and Hatboro silt loam 3 to 8% slope	C	Yes

PLAN PREPARED BY:
NJR & ASSOCIATES
Land Surveying and Planning
2770 STATE ROUTE 32
WEST FRIENDSHIP, MD 21794
TEL: (240) 508-3200

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE # 11049, EXPIRATION DATE: 2/10/2021

STATE OF MARYLAND
PROFESSIONAL LAND SURVEYOR
No. 11049
DATE: JUNE 10, 2019

DEVELOPER
CARUSO HOMES
2120 BALDWIN AVENUE,
Ste 200
CROFTON, MD 21144
(301) 261-0277

PERCOLATION CERTIFICATION PLAN
ALLNUT FARM ESTATES, SECTION-5
LOTS 15
PLAT No. 4623
OPEN SPACE COURT, HIGHLAND, MD 20777
TAX MAP 34, GRID 15, PARCEL 375
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 30' JOB NO.: 3534 DATE: JUNE 10, 2019 SHEET: 1 OF 1