

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: 4/14/20 **ONSITE SEWAGE DISPOSAL SYSTEM** P 567363
 APPROVAL DATE: 04/10/2020 **PERMIT: CONSTRUCTION** A _____
 PROPERTY ADDRESS: 13519 Allnutt Lane
 SUBDIVISION: The Estates at River Hill LOT: 3 TAX ID: _____
 CONTRACTOR: Freedom Septic EMAIL: casey@freedomseptic.com
 CONTRACTOR ADDRESS: 2809 Liberty Road, Sykesville, MD 21784 PHONE: 410-795-2947
 PROPERTY OWNER: Michael Pfau EMAIL: _____
 OWNER ADDRESS: 3675 Park Avenue Suite 301, Ellicott City, MD 21043 PHONE: 410-480-0023
 SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: Mayer Bros
 PUMP MODEL: NA PUMP SIZE NA PUMP TANK CAPACITY: NA

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>148</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>6.5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

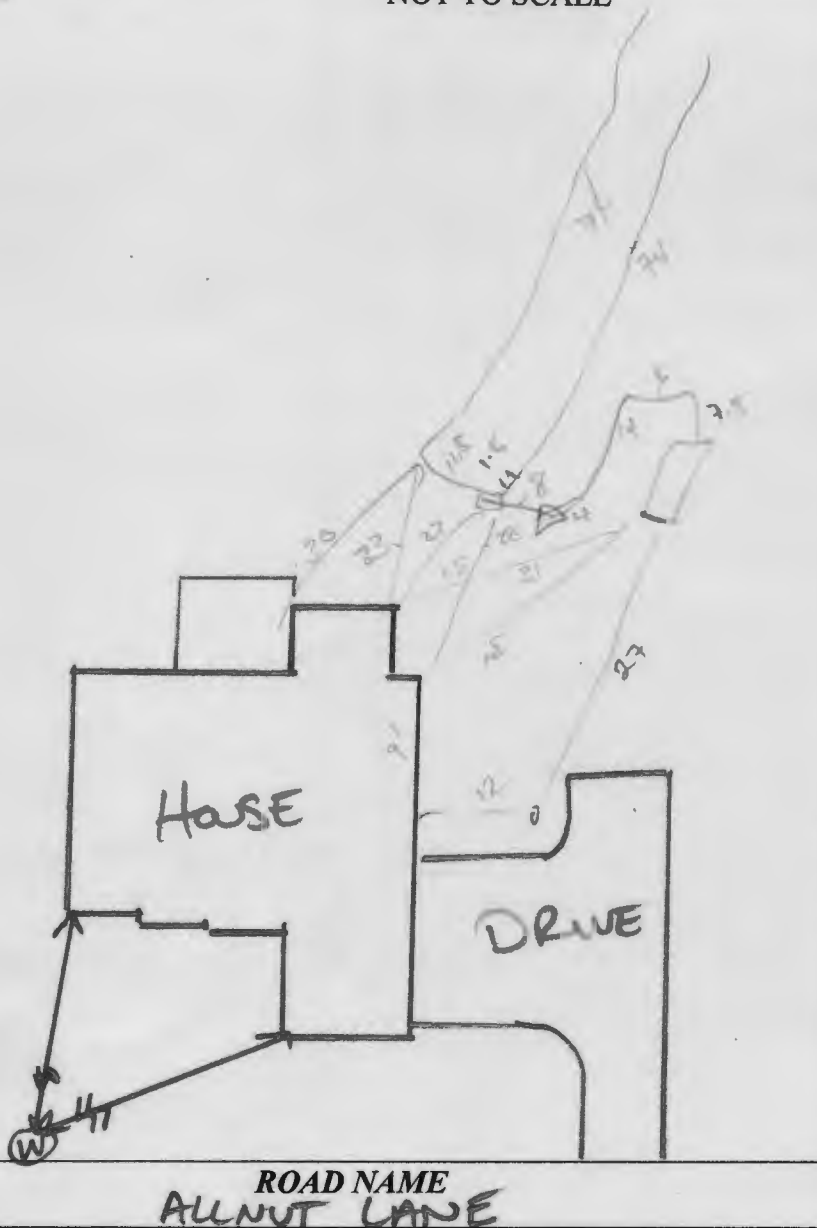
ISSUED BY: Robert Freemon ISSUE DATE: 4/14/20 EXPIRATION DATE: 4/14/21

- 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 N/A
- 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 3 BOTTOM 8
 NUMBER OF TRENCHES _____
 TOTAL LENGTH 145
 ABSORPTION AREA _____
 DISTRIBUTION BOX LEVEL _____
 DISTRIBUTION BOX BAFFLE _____
 DISTRIBUTION BOX PORT _____

PRE-CONSTRUCTION:

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____
 MANUFACTURER BABYLON
 CAPACITY 1500 GAL
 SEAM LOC TOP
 TANK LID DEPTH 1.5' CORR
 BAFFLES YES
 BAFFLE FILTER _____
 MANHOLE LOC _____
 6" PORT LOC _____
 WATERTIGHT TEST _____
 SLOTTED _____
 DATE ON LID 6/1/20

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 _____

05/15/2020 TANK, SDA, TRENCHES STAKED. CONTOUR CONFIRMED;
OK TO START. @

INSTALLATION: 07/10/2020 SHC, SEWER LINE, TANK, D BOX, TRENCHES
INSTALLED. SOME WORK DONE DAY PRIOR. D BOX LEVELLED W/
SPEED LEVEL. OK TO BACKFILL

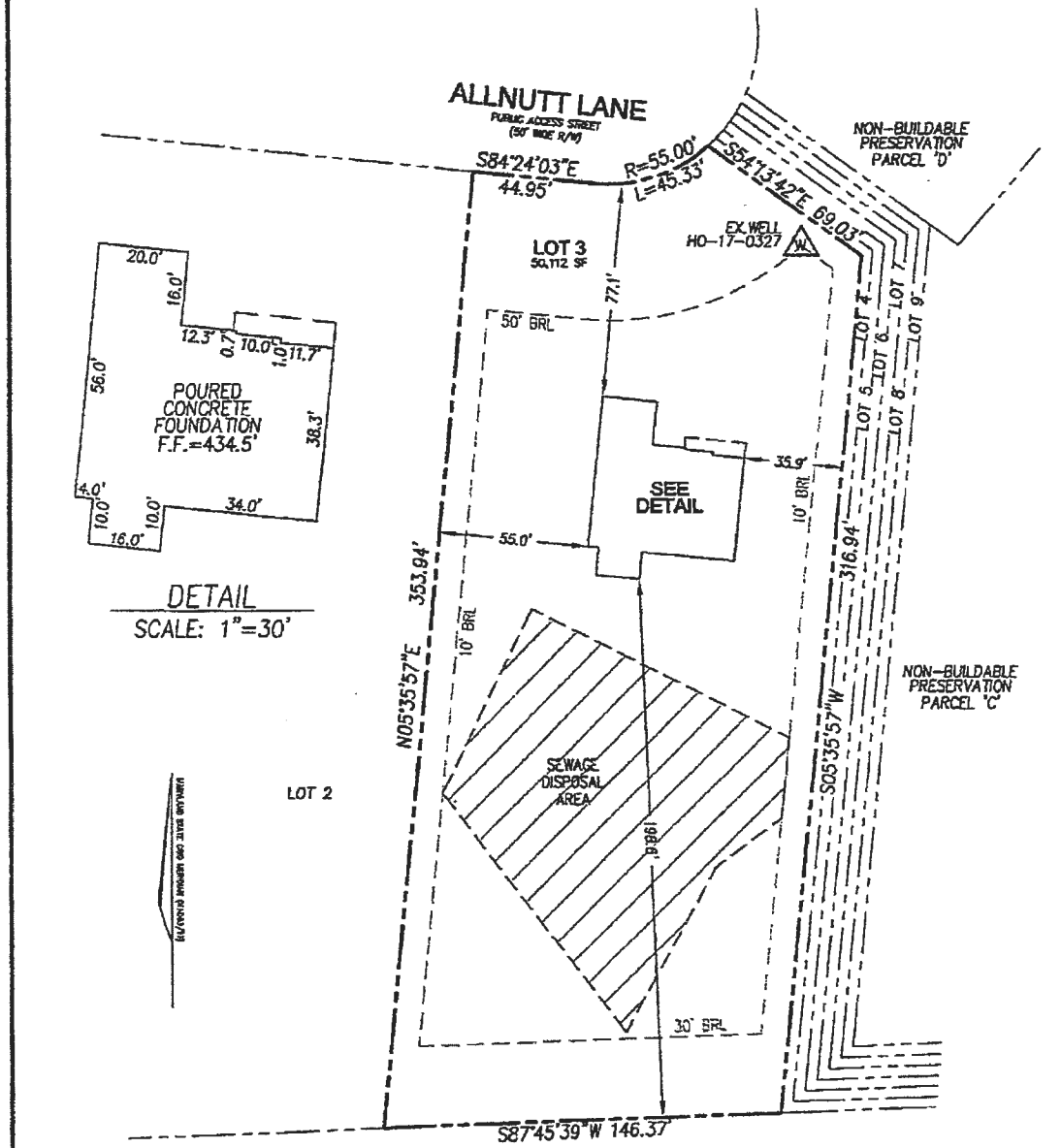
FINAL INSPECTOR

DATE OF APPROVAL

07/10/2020

Err 3

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'



DETAIL
SCALE: 1"=30'

G. WARREN MILES
MARIE L. MILES
TM:34 P.252
LT285 F.383

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THAT THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN; THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND.

ERICK R. QUINTANILLA
PROFESSIONAL LAND SURVEYOR
MD LICENSE NO. 21408
EXPIRATION/RENEWAL DATE: JUNE 15, 2021



SCALE 1"= 50'	DATE 3/26/2020
DRAWN BY B.W.J.	CHECKED BY E.R.Q.
PLAT NUMBER 25085-25094	JOB NUMBER 15-39

VOGEL ENGINEERING

TIMMONS GROUP
 3300 NORTH REDGE ROAD, SUITE 110, ELICOTT CITY, MD 21113
 P: 410.461.7844 F: 410.461.8062 WWW.TIMMONSGROUP.COM

WALL CHECK DRAWING
13519 ALLNUTT LANE
LOT 3
ESTATES AT RIVER HILL
PLAT NO. 25086
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

Good morning Kevin,

Can you please try to locate these for Susan from Freedom.

A check should be coming in the mail. I was unable to locate the second file. Thanks in advance 😊

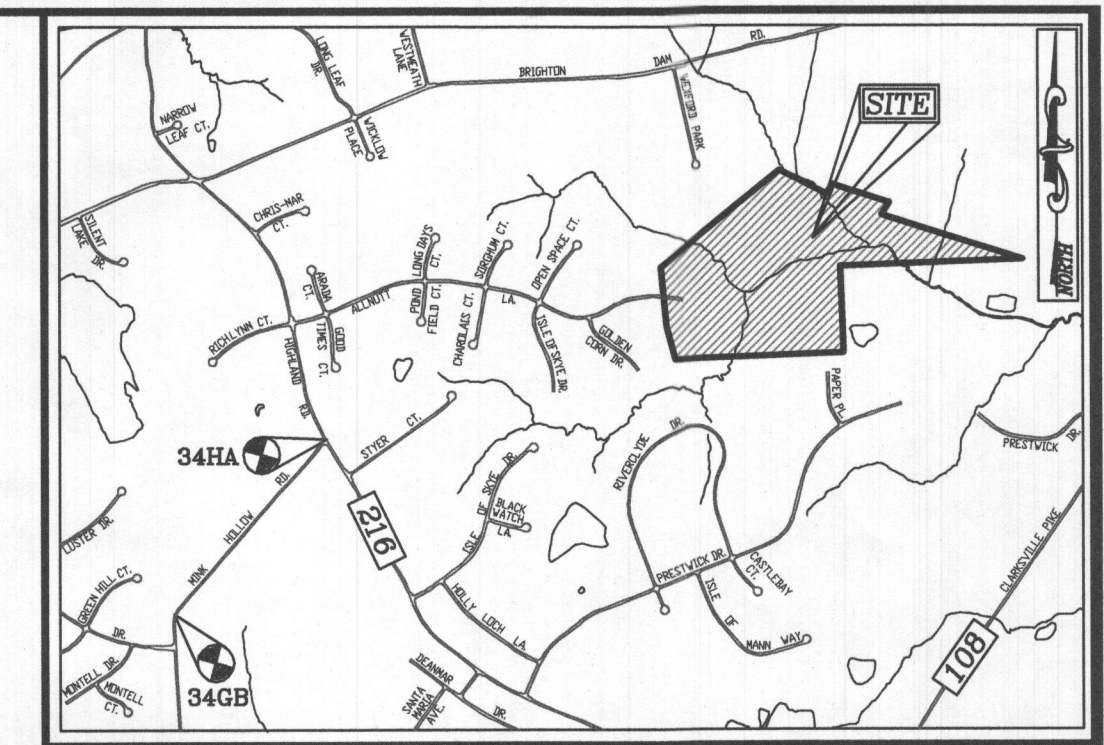
Emailed Vogel. to
Email us the copies

4/7/2020

Kaw

GENERAL NOTES

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2. THE PROJECT BOUNDARY IS BASED ON A FIELD RUN BOUNDARY SURVEY PREPARED BY ROBERT H. VOGEL ENGINEERING, INC., DATED JULY, 2016.
3. DEED REFERENCE: LIBER 4772 FOLIO 265
4. THE EXISTING TOPOGRAPHY SHOWN HEREON IS TAKEN FROM HOWARD COUNTY GIS AND SUPPLEMENTED WITH FIELD RUN SURVEYS PREPARED BY ROBERT H. VOGEL ENGINEERING, INC., DATED MARCH AND MAY OF 2016.
5. SOIL TYPES SHOWN HEREON ARE FROM THE USDA WEB SOIL SURVEY.
6. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100' FROM THE PROPERTY BOUNDARIES HAVE BEEN SHOWN.
7. ANY CHANGE TO A PRIVATE SEWERAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
8. ADJUSTMENT TO THE PRIVATE SEWERAGE AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
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13. THE EXISTING WELL TAG# HO-17-0327 WAS FIELD LOCATED BY VOGEL ENGINEERING + TIMMONS GROUP ON FEBRUARY 15TH, 2019.



VICINITY MAP
SCALE: 1"=2000'
ADC MAP: PAGE: 31 / GRID: B2, B3, & C2

BENCHMARKS
HOWARD COUNTY BENCHMARK 34GB (CONC. MON.)
N 553966.73 E 1317752.53 ELEV. 505.18
LOCATION: MINK HOLLOW RD. 0.45 MI. SW OF HIGHLAND RD.
HOWARD COUNTY BENCHMARK 34HA (CONC. MON.)
N 555780.15 E 1319355.57 ELEV. 535.23
LOCATION: CORNER OF HIGHLAND RD. & MINK HOLLOW RD.

LEGEND:

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- RIGHT-OF-WAY LINE
- EXISTING CURB
- EXISTING STREAM
- EXISTING STREAM BUFFER
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING WETLANDS
- EXISTING WETLAND BUFFER
- PUBLIC 100-YEAR FLOODPLAIN, EASEMENT
- PUBLIC FOREST CONSERVATION EASEMENT (AFFORESTATION)
- PUBLIC FOREST CONSERVATION EASEMENT (RETENTION)
- EXISTING METAL FENCE
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- PROPOSED 10' CONTOUR
- PROPOSED 2' CONTOUR
- APPROVED SEWER DISPOSAL AREA
- APPROVED SEWER DISPOSAL AREA (TO BE ABANDONED)
- EXISTING WELL LOCATION
- ALTERNATE WELL LOCATION
- PASSED PERC. TEST
- FAILED PERC. TEST

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	K-FACTOR	ERODIBLE
BsA	BAILE SILT LOAM, 0 TO 3 PERCENT SLOPES	C/D	.37	YES
Cc	CODORUS AND HATBORO SILT LOAMS, 0 TO 3 PERCENT SLOPES	C	.32	NO
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A	.28	NO
GbC	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	A	.28	NO
GhB	GLENNLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	.43	YES
Ha	HATBORO-CODORUS SILT LOAMS, 0 TO 3 PERCENT SLOPES	B/D	.37	YES

SOILS INFORMATION FROM USDA WEB SOIL SURVEY WEBSITE
-HOWARD COUNTY SOILS MAP NUMBER 16 - CLARKSVILLE NW
NOTE:
HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR K GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT

THIS AREA DESIGNATES A PRIVATE SEWERAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA 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 SEWERAGE AREA. RECORDED OF A MODIFIED SEWERAGE AREA SHALL NOT BE NECESSARY.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
[Signature]
COUNTY HEALTH OFFICER
DATE: 11/17/24

PERCOLATION CERTIFICATION:
I CERTIFY THAT THE LOCATIONS SHOWN HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT, TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.
[Signature]
DATE: 10/23/2024
ERIC DAVID SALMI
PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21639
EXPIRATION/RENEWAL DATE: JANUARY 3RD, 2022

OWNER
ESTATES AT RIVER HILL, LLC
MICHAEL PFAU, MEMBER
3675 PARK AVE., SUITE 301
ELLCOTT CITY, MD 21043
(410) 480-0023

DEVELOPER
TRINITY HOMES MARYLAND, LLC
3675 PARK AVE., SUITE 301
ELLCOTT CITY, MD 21043
(410) 480-0023

PERCOLATION CERTIFICATE REVISION PLAN

THE ESTATES AT RIVER HILL
LOT 3
13519 ALLNUTT LANE
HIGHLAND, MD 20777

PARCEL: 369
TAX MAP: 349
5TH ELECTION DISTRICT

ZONED: RR-DEO
L 18487 / F. 282
HOWARD COUNTY, MARYLAND

VOGEL ENGINEERING
TIMMONS GROUP
3300 NORTH RIDGE ROAD, SUITE 110, ELLCOTT CITY, MD 21043
P: 410.461.7666 F: 410.461.8961 www.timmons.com

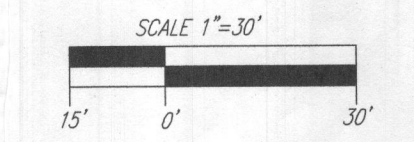
PROFESSIONAL CERTIFICATE
DESIGN BY: RHV
DRAWN BY: KG
CHECKED BY: RHV
DATE: OCTOBER 2021
SCALE: AS SHOWN
W.O. NO.: 15-39

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. 16193 EXPIRATION DATE: 09-27-2022

1 SHEET OF 1

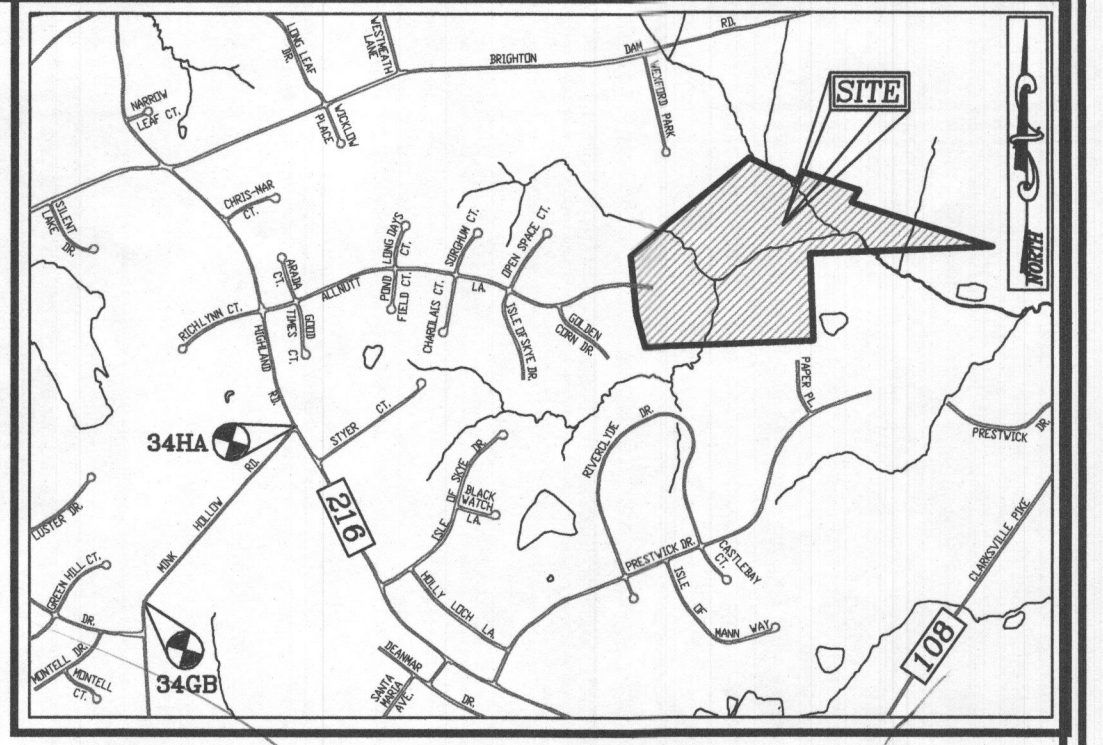
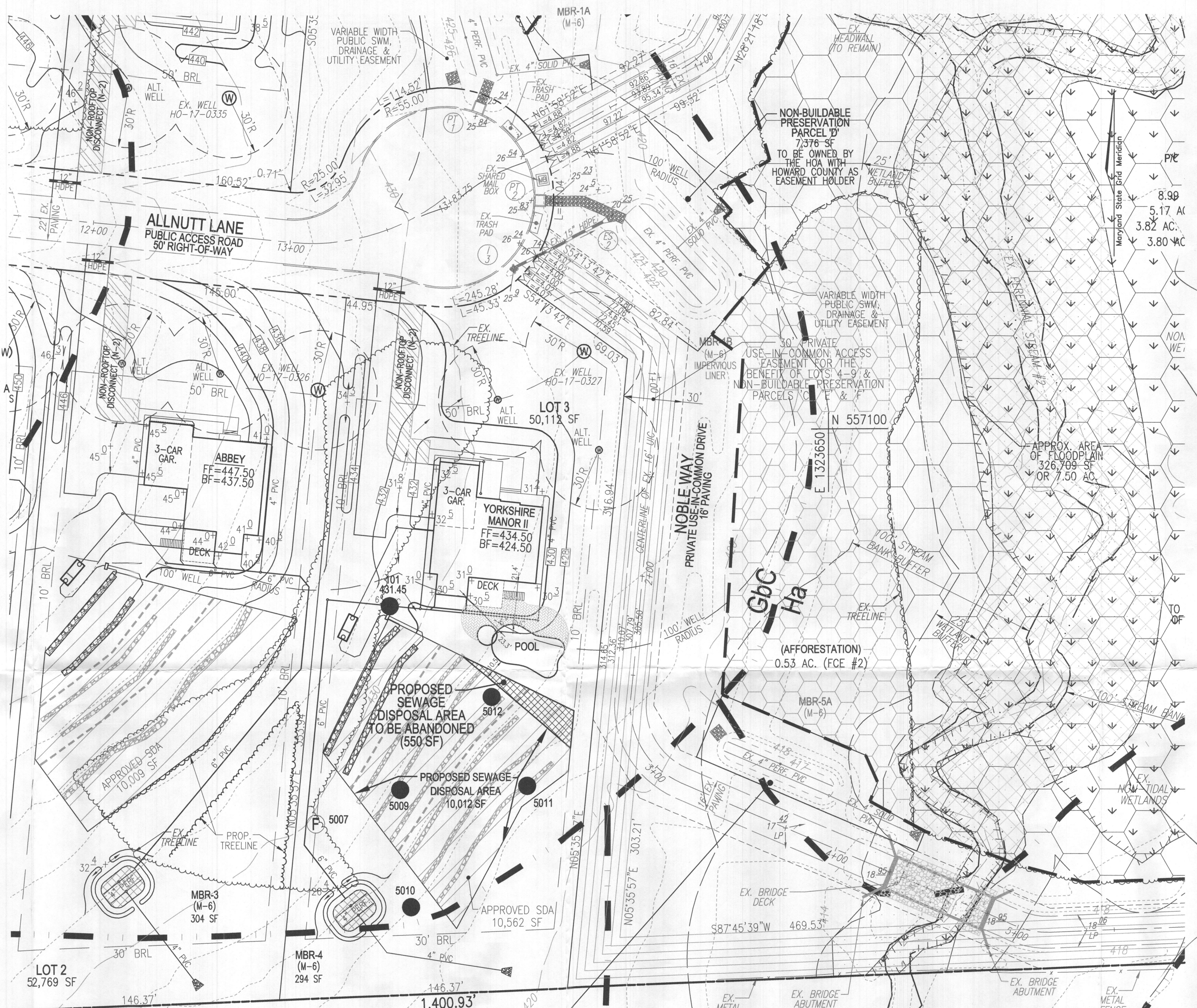
PLAN VIEW

SCALE: 1"=30'



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VICINITY MAP
SCALE: 1"=2000'
ADC MAP: PAGE: 31 / GRID: B2, B3, & C2

BENCHMARKS
HOWARD COUNTY BENCHMARK 340B (CONC. MON.)
N 53,996.73 E 131,775.23 ELEV. 508.18
LOCATION: MINK HOLLOW RD. 0.45 MI. SW OF
HIGHLAND RD.
HOWARD COUNTY BENCHMARK 34HA (CONC. MON.)
N 55,780.15 E 13,935.57 ELEV. 535.23
LOCATION: CORNER OF HIGHLAND RD. & MINK
HOLLOW RD.

LEGEND:

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- RIGHT-OF-WAY LINE
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- EXISTING STREAM
- EXISTING STREAM BUFFER
- EXISTING TREELINE
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SOILS LEGEND				
SYMBOL	NAME / DESCRIPTION	GROUP	K-FACTOR	ERODIBLE
Ba	BAILE SILT LOAM, 0 TO 3 PERCENT SLOPES	C/D	.37	YES
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Gb	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A	.28	NO
Gbc	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	A	.28	NO
Gmb	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	.43	YES
Hg	HATBORO-CODORUS SILT LOAMS, 0 TO 3 PERCENT SLOPES	B/D	.37	YES

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DEVELOPER
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3675 PARK AVE., SUITE 301
ELLCOTT CITY, MD 21043
(410) 480-0023

NO.	REVISION	DATE

PERCOLATION CERTIFICATE REVISION PLAN

THE ESTATES AT RIVER HILL
LOT 3
13519 ALLNUTT LANE
HIGHLAND, MD 20777

PARCEL: 389
TAX MAP: 34
GRID: 23
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ZONED: RR-DEO
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TIMMONS GROUP
3300 NORTH RIDGE ROAD, SUITE 110, ELLCOTT CITY, MD 21043
P: 410.461.7666 F: 410.461.8961 www.timmons.com

PROFESSIONAL CERTIFICATE

DESIGN BY: RHV
DRAWN BY: KG
CHECKED BY: RHV
DATE: OCTOBER 2021
SCALE: AS SHOWN
W.O. NO.: 15-39

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1 SHEET OF 1

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

COUNTY HEALTH OFFICER _____ DATE _____

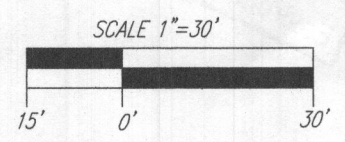
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Eric David Salmi
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EXPIRATION/RENEWAL DATE: JANUARY 3RD, 2022

10/13/2021
DATE

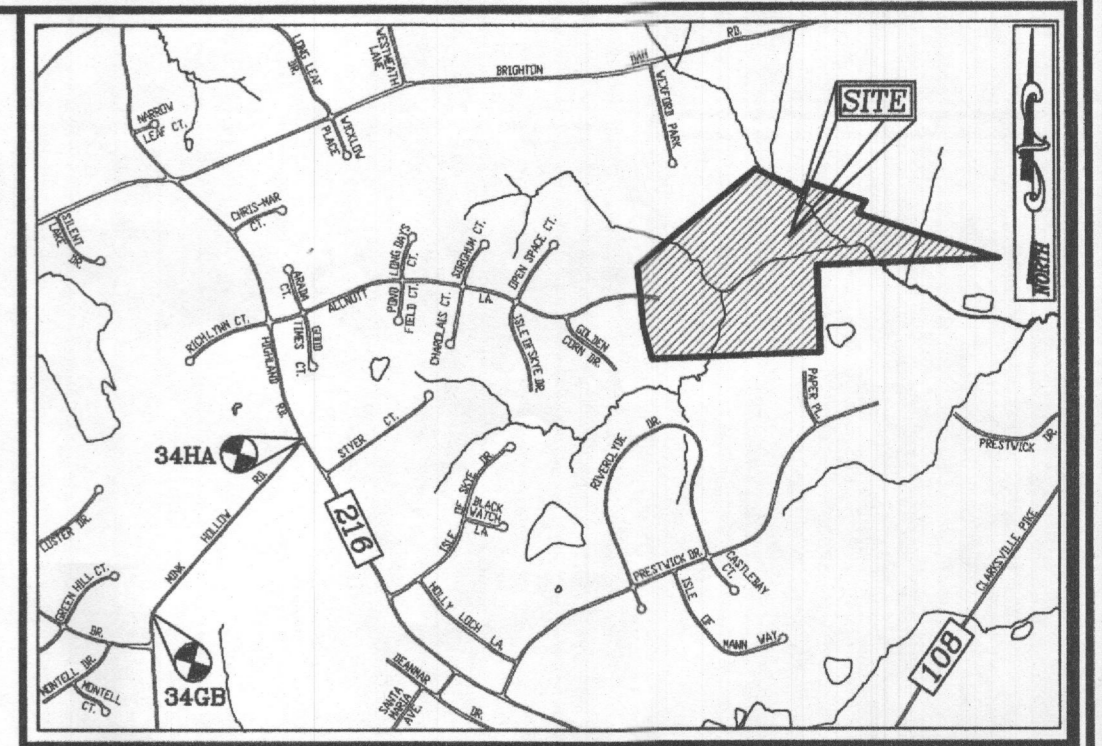
PLAN VIEW

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13. THE EXISTING WELL W/68 HO-17-0327 WAS FIELD LOCATED BY VOGEL ENGINEERING & TIMMONS GROUP ON FEBRUARY 15TH, 2019.



VICINITY MAP
SCALE: 1"=200'
ADC MAP: PAGE: 31 / GRID: B2, B3, & C2

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NOTE: SOILS INFORMATION FROM USDA WEB SOIL SURVEY WEBSITE - HOWARD COUNTY SOILS MAP NUMBER 16 - CHARLEVILLE NW
HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR K GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT

THIS AREA DESIGNATES A PRIVATE SEWERAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA 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 SEWERAGE AREA. RECORDED OF A MODIFIED SEWERAGE AREA SHALL NOT BE NECESSARY.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

COUNTY HEALTH OFFICER: *[Signature]* DATE: 10/17/21

PERCOLATION CERTIFICATION:
I CERTIFY THAT THE LOCATIONS SHOWN HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT, TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

ERIC DAVID SALMI
PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21639
EXPIRATION/RENEWAL DATE: JANUARY 3RD, 2022

OWNER
ESTATES AT RIVER HILL, LLC
MICHAEL PFAU, MEMBER
3675 PARK AVE., SUITE 301
ELLCOTT CITY, MD 21043
(410) 480-0023

DEVELOPER
TRINITY HOMES MARYLAND, LLC
3675 PARK AVE., SUITE 301
ELLCOTT CITY, MD 21043
(410) 480-0023

NO.	REVISION	DATE

PERCOLATION CERTIFICATE REVISION PLAN

THE ESTATES AT RIVER HILL
LOT 3
13519 ALLNUTT LANE
HIGHLAND, MD 20777

PARCEL: 389
TAX MAP: 34 GRID: 23
5TH ELECTION DISTRICT

ZONED: RR-DEO
L 18487 / F 262
HOWARD COUNTY, MARYLAND

VOGEL ENGINEERING
TIMMONS GROUP
3300 NORTH RIDGE ROAD, SUITE 110, ELLCOTT CITY, MD 21043
P: 410.461.7666 F: 410.461.8961 www.timmons.com

PROFESSIONAL CERTIFICATE

DESIGN BY: RHY
DRAWN BY: KG
CHECKED BY: RHY
DATE: OCTOBER 2021
SCALE: AS SHOWN
W.O. NO.: 15-39

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. 16193 EXPIRATION DATE: 09-27-2022

1 SHEET OF 1

