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

MEMORANDUM

TO: Rob Vogel
Vogel Engineering

FROM: Jeff Williams
Program Supervisor, Well & Septic Program

RE: Jack's Landing Lot 2 perc cert

DATE: September 24, 2018

I have reviewed the above referenced perc cert plan submitted on 9/11/18 and have the following comments

1. The plan shows proposed grading that exceeds 25% slopes encroaching to within 25' of the sewage disposal area.

VOGEL ENGINEERING + **TIMMONS GROUP**

3300 North Ridge Road, Suite 110, Ellicott City, MD 21043
P 410.461.7666 F 410.461.8961 www.timmons.com


Date: September 11, 2018
To: Howard County Health Department
Attn: Mr. Jeff Williams
cc:
Subject: Jack's Landing – Lot 2
Project Number: 13-31.00

ATTACHED:

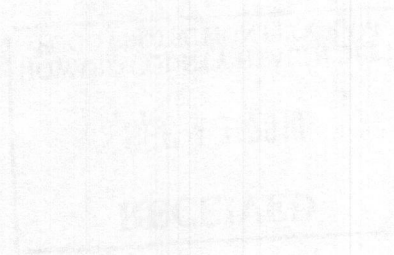
# Copies	Description
3	Percolation Certification Revision Plan

Remarks:

Thank you

Matthew Ahearn 
Transmitted by:

Received by:



VOGEL ENGINEERING + **TIMMONS GROUP**

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Date: September 26, 2018
To: Howard County Health Department
Attn: Mr. Jeff Williams
cc:
Subject: Jack's Landing – Lot 2
Project Number: 13-31.00

ATTACHED:

# Copies	Description
3	Revised Perc Cert

Remarks:

Thank you

Matthew Ahearn 
Transmitted by:

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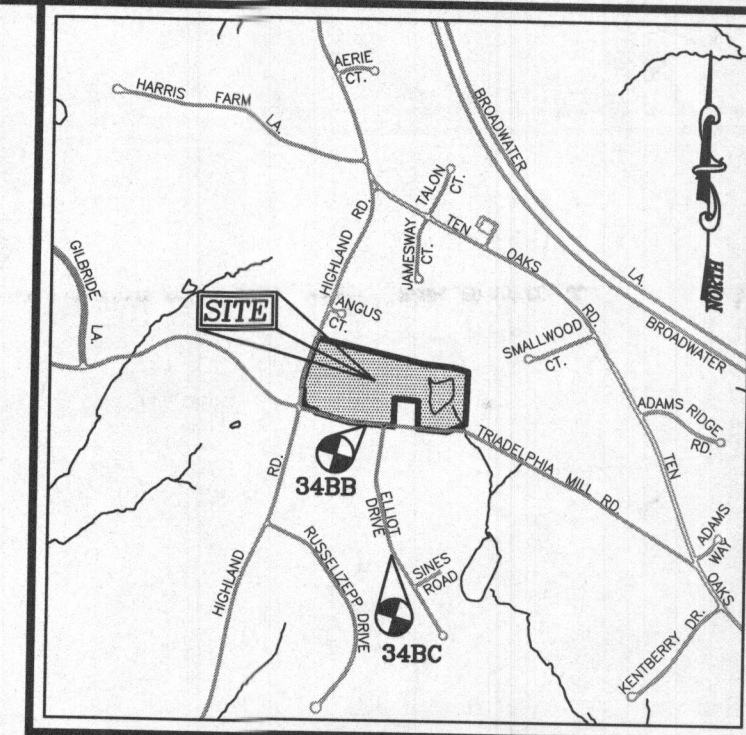
RECEIVED
SEP 26 2018
ELICOTT CITY, MD
HEALTH DEPARTMENT

GENERAL NOTES

1. THIS SUBJECT PROPERTY IS ZONED RR-DEO.
2. PROPERTY OUTLINE SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED BY ROBERT H. VOGEL ENGINEERING, INC., DATED NOVEMBER, 2013.
3. DEED REFERENCES: LIBER 18178 FOLIO 341
4. THE EXISTING TOPOGRAPHY IS TAKEN FROM CURRENT HOWARD COUNTY GIS DATA AND FIELD VERIFIED TO BE ACCURATE.
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 EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
8. ADJUSTMENT TO THE SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
9. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
10. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
11. THIS LOT COMPLIES WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
12. THE PURPOSE OF THIS PERCOLATION CERTIFICATION REVISION PLAN IS TO ABANDON THE APPROVED WELL BOX ON LOT 2, AND ESTABLISH TWO ALTERNATE WELL LOCATIONS AS AN ALTERNATIVE.

BENCHMARKS

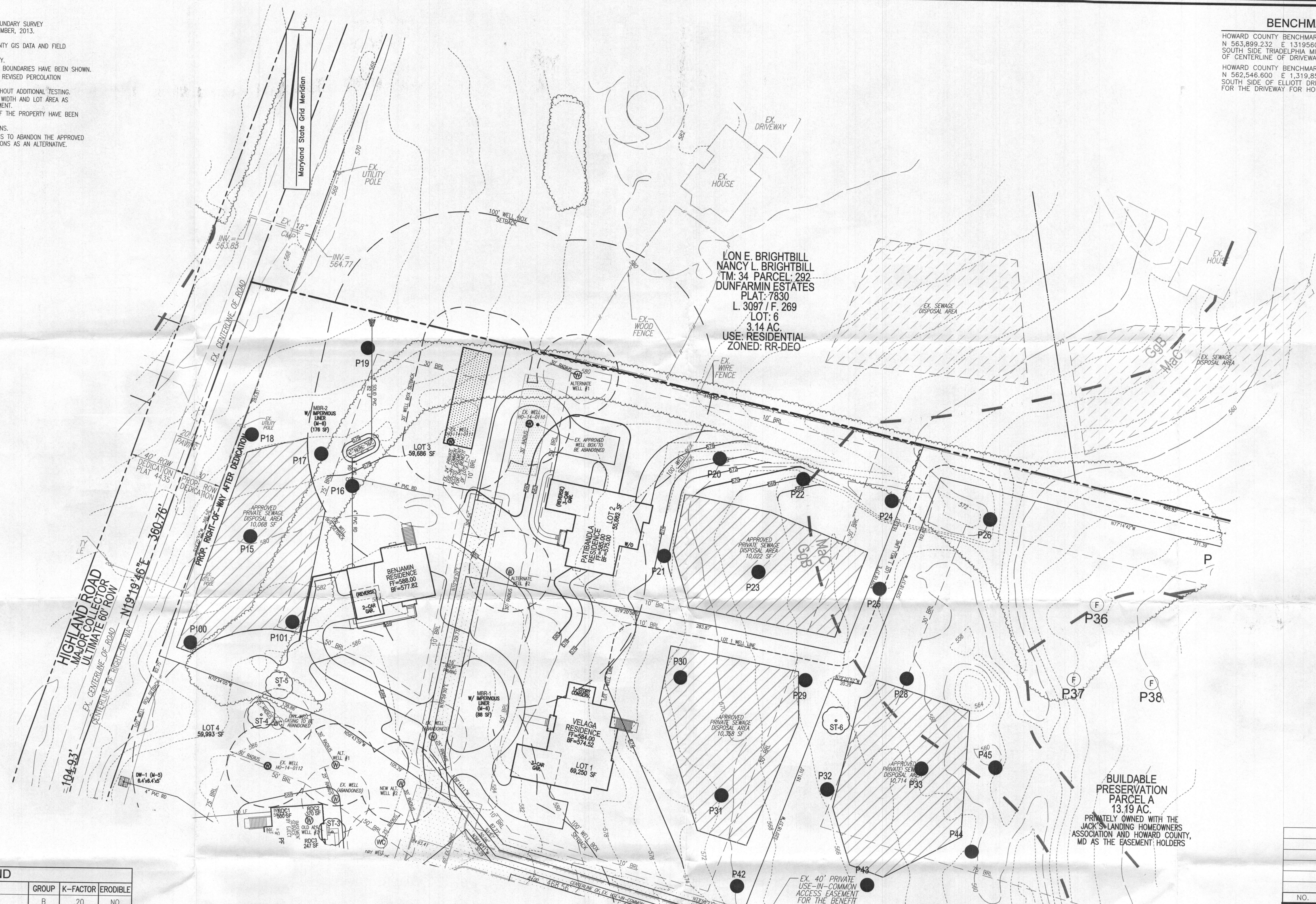
HOWARD COUNTY BENCHMARK 34BB (CONC. MON.)
 N 563,809.232 E 131,956.973 ELEV. 559.29
 SOUTH SIDE TRIADAPHA MILL ROAD, APPROX. 13' EAST
 OF CENTERLINE OF DRIVEWAY FOR HOUSE # 13295.
 HOWARD COUNTY BENCHMARK 34BC (CONC. MON.)
 N 562,846.600 E 1,319,251.319 ELEV. 529.572
 SOUTH SIDE OF ELLIOTT DRIVE, EAST OF CENTERLINE
 FOR THE DRIVEWAY FOR HOUSE NUMBER 13318.



VICINITY MAP
 SCALE: 1"=2,000'
 ADC MAP COORDINATE: PAGE: 24 GRID: EB

LEGEND:

- PROPERTY LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- ADJACENT PROPERTY LINE
- EXISTING CURB AND GUTTER
- EXISTING EDGE OF PAVING
- EXISTING TREELINE
- EXISTING WOOD FENCE
- EXISTING METAL FENCE
- EXISTING UTILITY POLE
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- SOILS
- EXISTING USE-IN-COMMON ACCESS EASEMENT
- EXISTING WELL LOCATION (FIELD LOCATED)
- APPROVED WELL LOCATION (FIELD LOCATED)
- PROPOSED ALTERNATE WELL LOCATION
- EXISTING BPT WELL CASING (TO BE ABANDONED)
- EXISTING PRIVATE SDA
- APPROVED PRIVATE SDA
- APPROVED WELL BOX
- PROPOSED TREELINE
- PROPOSED 10' CONTOUR
- PROPOSED 2' CONTOUR
- PROPOSED RAIN GARDEN (N-7)
- EXISTING SPECIMEN TREE
- EX. APPROVED WELL BOX TO BE ABANDONED
- PASSED PERC. TEST
- FAILED PERC. TEST



PLAN SCALE
 SCALE: 1"=40'

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	K-FACTOR	ERODIBLE
CgB	CLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	.20	NO
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	C	.24	NO

SOILS INFORMATION FROM USDA WEB SOIL SURVEY WEBSITE

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.

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APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.

Edward J. Glawe 10/9/2018
 COUNTY HEALTH OFFICER DATE

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.

Edward J. Glawe SEPTEMBER 20, 2018
 EDWARD J. GLAWE DATE
 PROFESSIONAL LAND SURVEYOR No. 21391

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

OWNER
 ASHOK K. PATIBANDIA
 VAHINI PATIBANDIA
 11737 STATE ROUTE 108
 CLARKSVILLE, MD 21029
 (301) 261-0277

BUILDER
 CARUSO HOMES
 2120 BALDWIN AVE., #200
 CROFTON, MD 21114
 (301) 261-0277

PERCOLATION CERTIFICATION REVISION PLAN

JACK'S LANDING - LOT 2
 5528 JACKS LANDING WAY
 CLARKSVILLE, MD 21029
 1.28 AC.
 (PLAT: 23952-23955)

L. 18178 / F. 341
 TAX MAP: 34 GRID: 03
 5TH ELECTION DISTRICT

PARCEL: 414
 ZONE: RR-DEO
 HOWARD COUNTY, MARYLAND

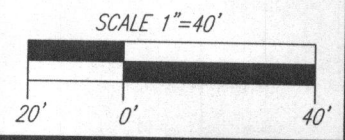
ROBERT H. VOGEL ENGINEERING, INC.
 ENGINEERS • SURVEYORS • PLANNERS
 3300 N. RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043
 TEL: 410.461.7666 FAX: 410.461.8961

NO.	REVISION	DATE

DESIGN BY: RHV
 DRAWN BY: JMR
 CHECKED BY: RHV
 DATE: SEPTEMBER, 2018
 SCALE: 1"=40'
 W.O. NO.: 13-31

PROFESSIONAL CERTIFICATE
 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 NUMBER 18193, EXPIRATION DATE: 09-27-2020

1 SHEET OF 1

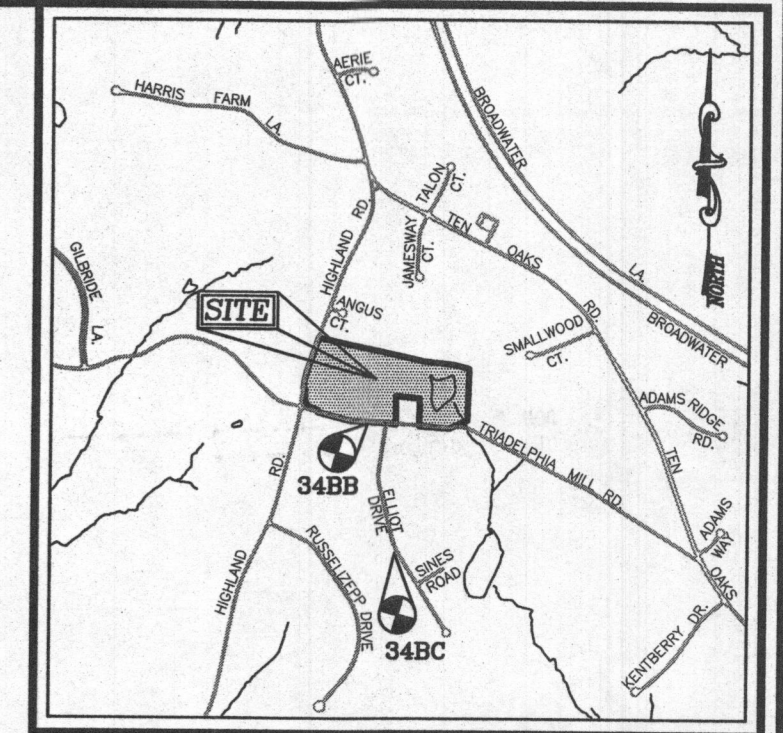


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BENCHMARKS

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- - - EXISTING 10' CONTOUR
- - - EXISTING 2' CONTOUR
- - - SOILS
- - - EXISTING USE-IN-COMMON ACCESS EASEMENT
- W (circle) EXISTING WELL LOCATION
- W (circle) APPROVED WELL LOCATION (FIELD LOCATED)
- W (circle) PROPOSED ALTERNATE WELL LOCATION
- WC (circle) EXISTING DRY WELL CASING (TO BE ABANDONED)
- Diagonal lines EXISTING PRIVATE SDA
- Diagonal lines APPROVED PRIVATE SDA
- Stippled pattern APPROVED WELL BOX
- Wavy line PROPOSED TREETLINE
- PROPOSED 10' CONTOUR
- PROPOSED 2' CONTOUR
- Circle with dots PROPOSED RAIN GARDEN (M-7)
- Circle with star EXISTING SPECIMEN TREE
- Circle with star EX. APPROVED WELL BOX TO BE ABANDONED



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1 SHEET OF 1

ROBERT H. VOGEL, PE No.16183

