

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	K-FACTOR	ERODIBLE
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A	28	NO
GbC	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	A	28	NO
GmA	GLENNVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES	C	43	NO
MdE	MANOR LOAM, 3 TO 8 PERCENT SLOPES	B	28	NO

SOILS INFORMATION FROM USDA WEB SOIL SURVEY WEBSITE
 HOWARD COUNTY SOILS MAP NUMBER 16 - CLARKSVILLE, MD
 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

GENERAL NOTES

1. THIS SUBJECT PROPERTY IS ZONED RR-DEO.
2. PROPERTY OUTLINE SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PREPARED BY FSH ASSOCIATES, DATED JULY 2006. SUPPLEMENTAL BOUNDARY INFORMATION FROM CURRENT HOWARD COUNTY GIS DATA.
3. DEED REFERENCE: LIBER 1749 FOLIO 539
4. THE EXISTING TOPOGRAPHY SHOWN HEREON IS TAKEN FROM A FIELD RUN TOPOGRAPHICAL SURVEY, WITH 2-FOOT CONTOUR INTERVALS, PREPARED BY FSH ASSOCIATES, DATED OCTOBER 2006. SUPPLEMENTAL TOPOGRAPHY FROM CURRENT HOWARD COUNTY GIS DATA.
5. SOIL TYPES SHOWN HEREON ARE FROM THE USDA WEB SOIL SURVEY.
6. ANY CHANGE TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
7. ADJUSTMENT TO THE SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
8. THE LOT SHOWN HEREON COMPLES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
9. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 200 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
10. EXISTING SEWERAGE DISPOSAL AREA SHOWN ON THE SUBJECT PROPERTY IS BASED ON INFORMATION FROM PLAT 7288.
11. THE EXISTING SEPTIC SYSTEM MUST BE PROPERLY ABANDONED, WITH DOCUMENTATION SENT TO THE HEALTH DEPARTMENT.
12. APPROVAL OF THIS PERC CERTIFICATION PLAN DOES NOT GUARANTEE THAT THE SEWERAGE DISPOSAL AREA ESTABLISHED WILL BE SUFFICIENT FOR A PROPOSED HOUSE. A SYSTEM DESIGN PLAN SHOWING 3 SYSTEMS FITTING IN THE AREA BASED ON THE PROPOSED NUMBER OF BEDROOMS MUST BE APPROVED BY THE HEALTH DEPARTMENT BEFORE HEALTH APPROVAL OF A BUILDING PERMIT. IF 3 SYSTEMS DO NOT FIT, THE AREA MAY NEED TO BE REVISED OR THE PROPOSED NUMBER OF BEDROOMS REDUCED.

NOTE:
 THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO ABANDON THE EXISTING SDA ON LOT 5 AND ESTABLISH A NEW SDA, AND TWO ALTERNATE WELL LOCATIONS, FOR THE PURPOSE OF BUILDING A NEW HOUSE ON THE LOT.

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

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

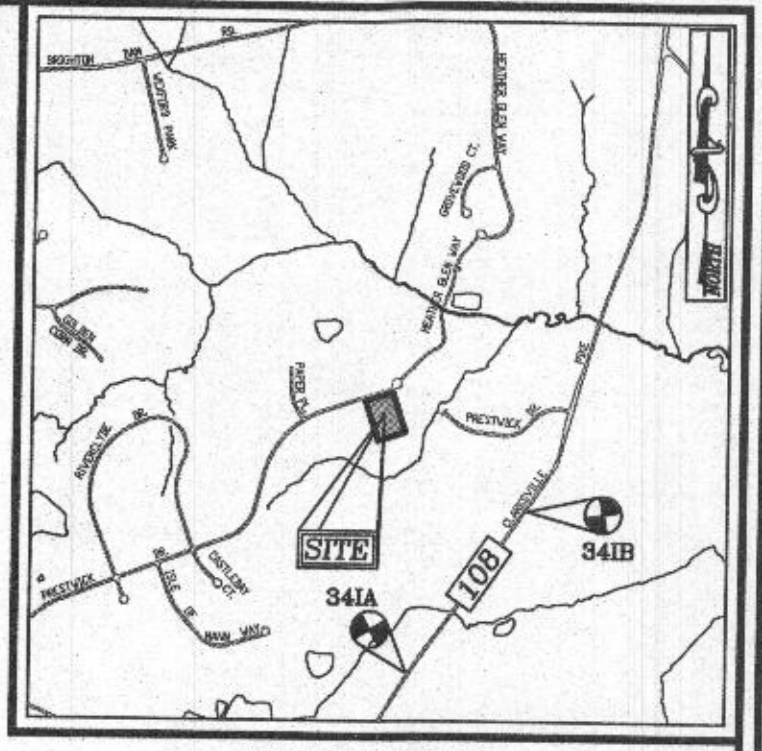
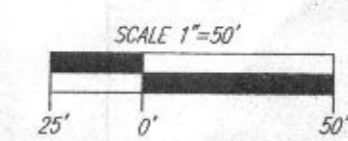
Robert H. Vogel
 COUNTY HEALTH OFFICER DATE 9/10/2018

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
 EDWARD J. GLAWE DATE AUGUST 27, 2018
 PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21391



PLAN SCALE
 SCALE: 1"=50'



VICINITY MAP
 SCALE: 1"=2000'
 ADC MAP: PAGE 31 GRID C3

LEGEND:

	PROPERTY LINE
	ADJACENT PROPERTY LINE
	RIGHT-OF-WAY LINE
	EXISTING EDGE OF PAWING
	EXISTING STREAM
	EXISTING WELL
	REPLACEMENT WELL
	EXISTING TREELINE
	EXISTING 10' CONTOUR
	EXISTING 2' CONTOUR
	SOILS
	PAIRED PERC. TEST
	FAILED PERC. TEST
	EXISTING PRIVATE SEWERAGE DISPOSAL AREA
	PROPOSED PRIVATE SEWERAGE DISPOSAL AREA

OWNER
 RANDY A. SMITH
 JACQUELINE L. SMITH
 6510 HEATHER GLEN WAY
 CLARKSVILLE, MD 21029
 (410) 365-3702

NO.	REVISION	DATE

PERCOLATION CERTIFICATION PLAN

SMITH PROPERTY
 6510 HEATHER GLEN WAY
 CLARKSVILLE, MD 21029
 NAECKER PROPERTY - LOT 5
 (L 1749 / F 539)
 (3.00 AC.)

5TH ELECTION DISTRICT
 TAX MAP: 34 GRID: 17

PARCEL: 382
 ZONED: 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

DESIGN BY: RHV	PROFESSIONAL CERTIFICATE I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16193, EXPIRATION DATE: 08-27-2020
DRAWN BY: JMR	
CHECKED BY: RHV	
DATE: AUGUST 27, 2018	
SCALE: 1"=50'	
W.O. NO.: 14-33	1 SHEET OF 1

SOILS LEGEND				
SYMBOL	NAME / DESCRIPTION	GROUP	K-FACTOR	ERODIBLE
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A	.28	NO
GbC	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	A	.28	NO
GmA	GLENVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES	C	.43	NO
MaB	MANOR LOAM, 3 TO 8 PERCENT SLOPES	B	.28	NO

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

GENERAL NOTES

1. THIS SUBJECT PROPERTY IS ZONED RR-DEO.
2. PROPERTY OUTLINE SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PREPARED BY FSH ASSOCIATES, DATED JULY 2006. SUPPLEMENTAL BOUNDARY INFORMATION FROM CURRENT HOWARD COUNTY GIS DATA.
3. DEED REFERENCE: LIBER 1749 FOLIO 539
4. THE EXISTING TOPOGRAPHY SHOWN HEREON IS TAKEN FROM A FIELD RUN TOPOGRAPHICAL SURVEY, WITH 2-FOOT CONTOUR INTERVALS, PREPARED BY FSH ASSOCIATES, DATED OCTOBER 2006. SUPPLEMENTAL TOPOGRAPHY FROM CURRENT HOWARD COUNTY GIS DATA.
5. SOIL TYPES SHOWN HEREON ARE FROM THE USDA WEB SOIL SURVEY.
6. ANY CHANGE TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
7. ADJUSTMENT TO THE SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
8. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
9. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 200 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
10. EXISTING SEWERAGE DISPOSAL AREA SHOWN ON THE SUBJECT PROPERTY IS BASED ON INFORMATION FROM PLAT 7286.
11. THE EXISTING SEPTIC SYSTEM MUST BE PROPERLY ABANDONED, WITH DOCUMENTATION SENT TO THE HEALTH DEPARTMENT.
12. APPROVAL OF THIS PERC CERTIFICATION PLAN DOES NOT GUARANTEE THAT THE SEWERAGE DISPOSAL AREA ESTABLISHED WILL BE SUFFICIENT FOR A PROPOSED HOUSE. A SYSTEM DESIGN PLAN SHOWING 3 SYSTEMS FITTING IN THE AREA BASED ON THE PROPOSED NUMBER OF BEDROOMS MUST BE APPROVED BY THE HEALTH DEPARTMENT BEFORE HEALTH APPROVAL OF A BUILDING PERMIT. IF 3 SYSTEMS DO NOT FIT, THE AREA MAY NEED TO BE REVISED OR THE PROPOSED NUMBER OF BEDROOMS REDUCED.

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APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

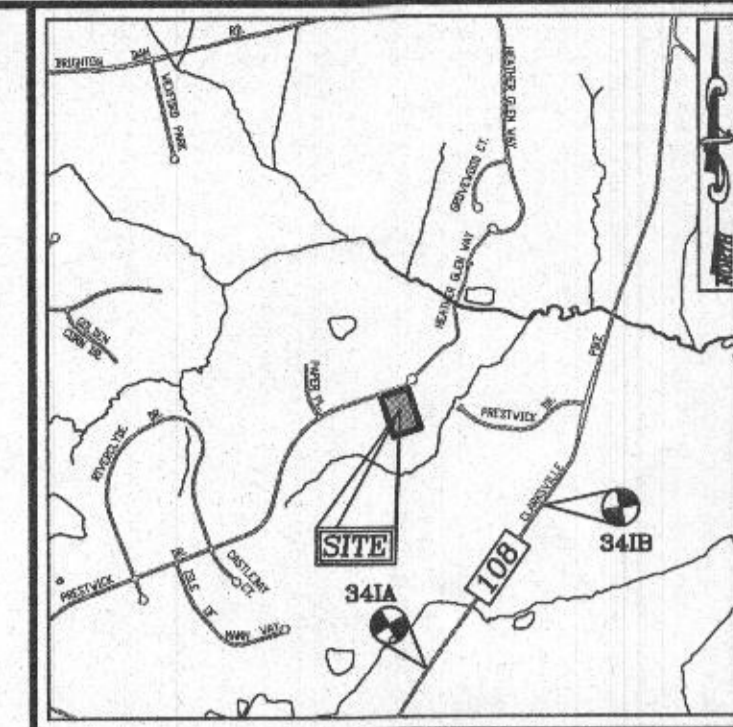
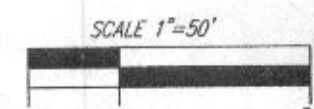
Edward J. Glawe
 COUNTY HEALTH OFFICER
 DATE: 8/10/2018

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
 EDWARD J. GLAWE
 PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21391
 DATE: AUGUST 27, 2018



PLAN SCALE
 SCALE: 1"=50'



VICINITY MAP
 SCALE: 1"=2000'
 ADC MAP: PAGE 31 GRID C3

LEGEND:

	PROPERTY LINE
	ADJACENT PROPERTY LINE
	RIGHT-OF-WAY LINE
	EXISTING EDGE OF PAVING
	EXISTING STREAM
	EXISTING WELL
	REPLACEMENT WELL
	EXISTING TREELINE
	EXISTING 10' CONTOUR
	EXISTING 2' CONTOUR
	SOILS
	PASSED PERC. TEST
	FAILED PERC. TEST
	EXISTING PRIVATE SEWERAGE DISPOSAL AREA
	PROPOSED PRIVATE SEWERAGE DISPOSAL AREA

OWNER
 RANDY A. SMITH
 JACQUELINE L. SMITH
 6510 HEATHER GLEN WAY
 CLARKSVILLE, MD 21029
 (410) 365-3702

NO.	REVISION	DATE

PERCOLATION CERTIFICATION PLAN

SMITH PROPERTY
 6510 HEATHER GLEN WAY
 CLARKSVILLE, MD 21029
 NAECKER PROPERTY - LOT 5
 (L 1749 / F 539)
 (3.00 AC.)

5TH ELECTION DISTRICT
 TAX MAP: 34 GRID: 17

PARCEL: 382
 ZONED: 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

DESIGN BY: RHY
 DRAWN BY: JMR
 CHECKED BY: RHY
 DATE: AUGUST 27, 2018
 SCALE: 1"=50'
 W.O. NO.: 14-33

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 NO. 16193
 EXPIRATION DATE: 09-27-2020

1 SHEET OF 1

ROBERT H. VOGEL, PE No.16193

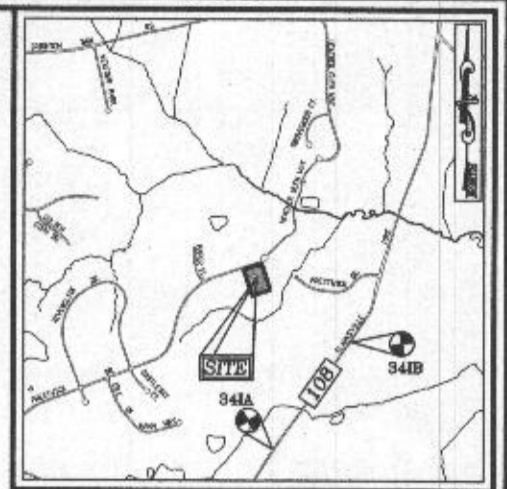
SOILS LEGEND				
SYMBOL	NAME/DESCRIPTION	GROUP	K-FACTOR	ERODIBLE
GbE	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A	.26	NO
GbC	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	A	.26	NO
GmB	GLADSTONE SILET LOAM, 0 TO 3 PERCENT SLOPES	C	.43	NO
WbD	WAGNER LOAM, 3 TO 8 PERCENT SLOPES	B	.28	NO

SOILS INFORMATION FROM USDA NR-108 SOIL SURVEY MAPS
 HOWARD COUNTY SOILS MAP NUMBER 15 - CLARKSVILLE MD
 NOTE:
 HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A K-FACTOR GREATER THAN 15 PERCENT
 OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR < GREATER THAN 0.35 AND WITH
 A SLOPE GREATER THAN 5 PERCENT

- GENERAL NOTES**
1. THIS SUBJECT PROPERTY IS ZONED RR-DEO.
 2. PROPERTY OUTLINE SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PREPARED BY FISH ASSOCIATES, DATED JULY 2006. SUPPLEMENTAL BOUNDARY INFORMATION FROM CURRENT HOWARD COUNTY GIS DATA.
 3. DEED REFERENCE: USER 1749 FOLD 539.
 4. THE EXISTING TOPOGRAPHY SHOWN HEREON IS TAKEN FROM A FIELD RUN TOPOGRAPHICAL SURVEY, WITH 2'-00" CONTOUR INTERVALS, PREPARED BY FISH ASSOCIATES, DATED OCTOBER 2004. SUPPLEMENTAL TOPOGRAPHY FROM CURRENT HOWARD COUNTY GIS DATA.
 5. SOIL TYPES SHOWN HEREON ARE FROM THE USDA NR-108 SURVEY.
 6. ALL WELLS AND SEPTIC SYSTEMS WITHIN 200' 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 OF THE LOT SHOWN HEREON COMPARED WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE IMPROVED STATE DEPARTMENT OF THE ENVIRONMENT.
 9. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 200 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
 10. EXISTING SEWERAGE DISPOSAL AREA SHOWN ON THE SUBJECT PROPERTY IS BASED ON INFORMATION FROM PLAT 2888.



PLAN SCALE
 SCALE: 1"=100'



VICINITY MAP
 SCALE: 1"=2000'
 AOC MAP, PAGE 31, GRID C3

LEGEND:

---	PROPERTY LINE
---	ADJACENT PROPERTY LINE
---	RIGHT-OF-WAY LINE
---	EXISTING EDGE OF PAVING
---	EXISTING STREAM
(W)	EXISTING WELL
---	EXISTING TREELINE
---	EXISTING 10' CONTOUR
---	EXISTING 2' CONTOUR
---	SOILS
---	PROPOSED PERC. TEST
---	PASSED PERC. TEST
---	FAILED PERC. TEST
---	EXISTING PRIVATE SEWER DISPOSAL AREA
---	PROPOSED PRIVATE SEWER DISPOSAL AREA

OWNER
 ROBERT A. SMITH
 JACQUELINE L. SMITH
 6510 HEATHER GLEN WAY
 CLARKSVILLE, MD 21029
 (410) 365-3702

NO.	REVISION	DATE

PERCOLATION TEST PLAN

SMITH PROPERTY
 6510 HEATHER GLEN WAY
 CLARKSVILLE, MD 21029
 NAECKER PROPERTY - LOT 5
 (L. 1749 / F. 539)
 (3.00 AC.)

5TH ELECTION DISTRICT
 TAX MAP: 34 GRID: 17
 PARCEL: 362
 ZONED: RR-DEO
 HOWARD COUNTY, MARYLAND

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

PROFESSIONAL CERTIFICATE
 DESIGN BY: RHY
 DRAWN BY: JMR
 CHECKED BY: RHY
 DATE: JULY 2018
 SCALE: 1"=50'
 W.G. NO.: 14-33

THIS AREA DESIGNATES A PRIVATE SEWERAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR NEARBY SEWER DISPOSAL IMPROVEMENTS OF ANY NATURE. IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS SHALL BECOME HULL 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. RESTRICTIONS OF A MODIFIED SEWERAGE AREA SHALL NOT BE NECESSARY.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

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 _____ DATE _____
 PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21351

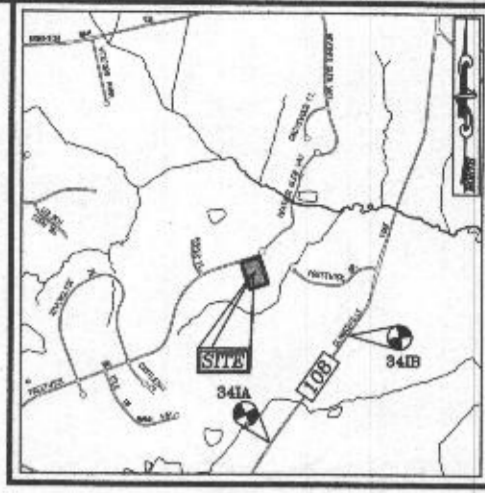
SOILS LEGEND				
SYMBOL	NAME / DESCRIPTION	GROUP	K-FACTOR	ERODIBLE
GBR	CLAYSTONE LOAM, 3 TO 6 PERCENT SLOPES	A	25	NO
GBD	CLAYSTONE LOAM, 8 TO 15 PERCENT SLOPES	A	25	NO
GPA	CLAYSHALLO 3 TO 10 PERCENT SLOPES	C	43	NO
GBH	LOAMER LOAM, 2 TO 5 PERCENT SLOPES	B	25	NO

SOILS INFORMATION FROM USGS WEB SOIL SURVEY WEBSITE
 HOWARD COUNTY SOILS MAP NUMBER 16 - CLARKSVILLE NW

NOTE:
 HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A K-FACTOR 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

GENERAL NOTES

1. THIS SUBJECT PROPERTY IS ZONED RR-DEO.
2. PROPERTY OUTLINE SHOWN HEREIN IS BASED ON A FIELD RUN BOUNDARY SURVEY PREPARED BY FSH ASSOCIATES, DATED JULY 2006. SUPPLEMENTAL BOUNDARY INFORMATION FROM CURRENT HOWARD COUNTY GIS DATA.
3. DEED REFERENCE UNDER 1749 FOLD 539.
4. THE EXISTING TOPOGRAPHY SHOWN HEREIN IS TAKEN FROM A FIELD RUN TOPOGRAPHICAL SURVEY, WITH 2'-00" CONTOUR INTERVALS, PREPARED BY FSH ASSOCIATES, DATED OCTOBER 2006. SUPPLEMENTAL TOPOGRAPHY FROM CURRENT HOWARD COUNTY GIS DATA.
5. SOIL TYPES SHOWN HEREIN ARE FROM THE USDA WEB SOIL SURVEY.
6. ALL WELLS AND SEPTIC SYSTEMS WITHIN 200' 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 BY THE USE SHOWN HEREIN COMPARES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
9. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 200 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
10. EXISTING SEWER DISPOSAL AREA SHOWN ON THE SUBJECT PROPERTY IS BASED ON INFORMATION FROM PLAT 7288.



VICINITY MAP
 SCALE: 1"=2000'
 ADC MAP: PAGE 31 GRID C3

LEGEND:

	PROPERTY LINE
	ADJACENT PROPERTY LINE
	RIGHT-OF-WAY LINE
	EXISTING EDGE OF PAVING
	EXISTING STREAM
	EXISTING WELL
	EXISTING TREETRUE
	EXISTING 10' CONTOUR
	EXISTING 2' CONTOUR
	SOILS
	PROPOSED PERC. TEST
	PASSED PERC. TEST
	FAILED PERC. TEST
	EXISTING PRIVATE SEWER DISPOSAL AREA
	PROPOSED PRIVATE SEWER DISPOSAL AREA

OWNER
 RANDY A. SMITH
 JACQUELINE L. SMITH
 6510 HEATHER GLEN WAY
 CLARKSVILLE, MD 21029
 (410) 365-3702

THIS AREA DESIGNATES A PRIVATE SEWERAGE AREA OF AT LEAST 12,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR PERCOLATION SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS 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. RECONSTRUCTION OF A MODIFIED SEWERAGE AREA SHALL NOT BE NECESSARY.

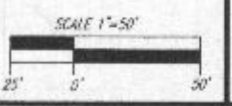
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

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. STAINY _____ DATE _____
 PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21391

PLAN SCALE
 SCALE: 1"=100'



NO.	REVISION	DATE

PERCOLATION TEST PLAN
SMITH PROPERTY
 6510 HEATHER GLEN WAY
 CLARKSVILLE, MD 21029
 NAECKER PROPERTY - LOT 5
 (L. 1749 / F. 539) PARCEL: 382
 5TH ELECTION DISTRICT TAX MAP: 34 GRID: 17 ZONED: RR-DEO
 HOWARD COUNTY, MARYLAND

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 3300 N. RIDGE ROAD, SUITE 110 TEL: 410.461.7666
 ELUGOTT CITY, MD 21043 FAX: 410.461.8961

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 DESIGN BY: RIV
 DRAWN BY: JMR
 CHECKED BY: RIV
 DATE: JULY 2018
 SCALE: 1"=50'
 W.O. NO.: 14-33

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 1830 EXPIRES JULY 05-27-2018

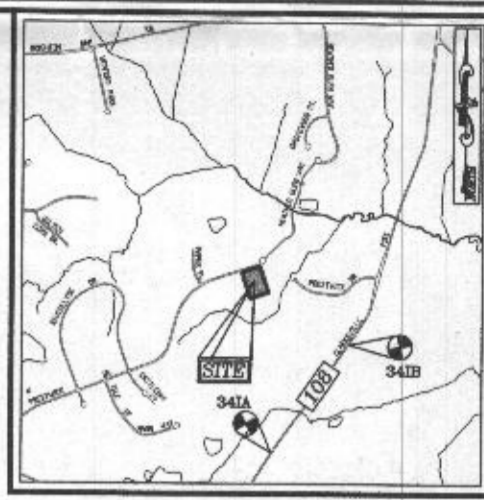
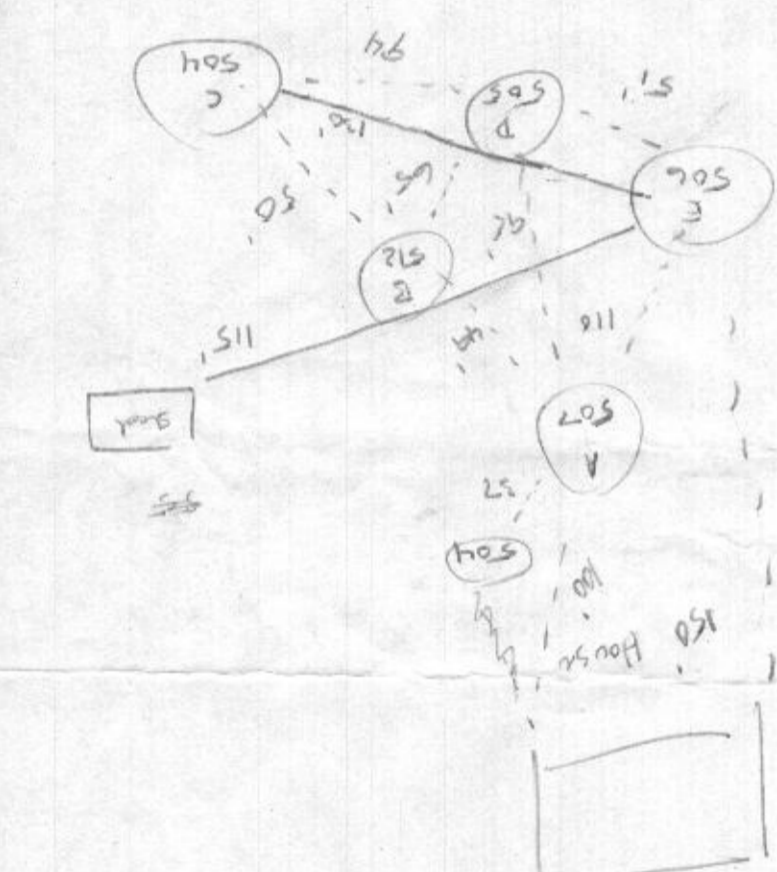
1 SHEET OF 1

SOILS LEGEND				
SYMBOL	NAME/DESCRIPTION	GROUP	K-FACTOR	ERODIBLE
GBR	GLAUDE LOAM, 3 TO 8 PERCENT SLOPES	A	29	NO
GBC	GLAUDE LOAM, 8 TO 15 PERCENT SLOPES	A	29	NO
GMB	GLAUDE LOAM, 0 TO 3 PERCENT SLOPES	C	43	NO
GMS	MAVOR LOAM, 3 TO 8 PERCENT SLOPES	B	29	NO

SOILS INFORMATION FROM USDA WEB SOIL SURVEY WEBSITE
 HOWARD COUNTY SOILS MAP NUMBER 16 - CLARKSVILLE, MD
 NOTE:
 MOISTURE STABLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT
 OR THOSE SOILS WITH A SOIL PROBABILITY FACTOR K GREATER THAN 0.35 AND WITH
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8. ADJUSTMENT TO THE SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
9. THE LOT SHOWN HEREON COMPLES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE HOWARD STATE DEPARTMENT OF THE ENVIRONMENT.
10. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 200 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
11. EXISTING SEWAGE DISPOSAL AREA SHOWN ON THE SUBJECT PROPERTY IS BASED ON INFORMATION FROM 2007 TDS.



VICINITY MAP
 SCALE: 1"=2000'
 ADC MAP: PAGE 31 GRID 03

LEGEND:

	PROPERTY LINE
	ADJACENT PROPERTY LINE
	HIGHWAY LINE
	EXISTING EDGE OF PAVING
	EXISTING STREAM
	EXISTING WELL
	EXISTING TIE LINE
	EXISTING 10' CONTOUR
	EXISTING 2' CONTOUR
	SOILS
	PROPOSED PERC. TEST
	PASSED PERC. TEST
	FAILED PERC. TEST
	EXISTING PRIVATE SEWAGE DISPOSAL AREA
	PROPOSED PRIVATE SEWAGE DISPOSAL AREA

OWNER
 RANDY A. SMITH
 JACQUELINE L. SMITH
 6510 HEATHER GLEN WAY
 CLARKSVILLE, MD 21029
 (410) 365-3702

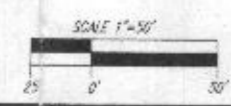
THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE HOWARD STATE DEPARTMENT OF THE ENVIRONMENT FOR INDUSTRIAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON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

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
 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. GLAZE _____ DATE _____
 PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21391

PLAN SCALE
 SCALE: 1"=100'



NO.	REVISION	DATE
PERCOLATION TEST PLAN		
SMITH PROPERTY		
6510 HEATHER GLEN WAY CLARKSVILLE, MD 21029 NAECKER PROPERTY - LOT 5 (L. 1749 / F. 539) (3.00 AC.)		
5TH ELECTION DISTRICT TAX MAP: 34 GRID: 17	PARCEL: 382 ZONED: RR-DEO HOWARD COUNTY, MARYLAND	
ROBERT H. VOGEL ENGINEERING, INC.		
ENGINEERS • SURVEYORS • PLANNERS		
3300 N. RIDGE ROAD, SUITE 110 ELLIOTT CITY, MD 21043 TEL: 410.461.7666 FAX: 410.461.6961		
DESIGN BY: _____	PROFESSIONAL CERTIFICATE	
DRAWN BY: _____	ROBERT H. VOGEL, P.E.	
CHECKED BY: _____	DATE: JULY 2018	
DATE: JULY 2018	SCALE: 1"=50'	
SCALE: 1"=50'	W.O. NO.: 14-33	
W.O. NO.: 14-33		1 SHEET OF 1