



# HOWARD COUNTY HEALTH DEPARTMENT

62913

DATE 3/5/18

Received From

M. A. F & Assoc. LLC

PHONE #

AS  
410 552-5541

For

Per Capita Payment  
Quarantined

CASH

CHECK

NO.

3322

Five hundred and no/100

Dollars

\$

500 | 00

Received By

J Kemp



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

Twitter: HowardCoHealthDep

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

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME GLENELEG MANOR Lot 4C

PROPERTY ADDRESS 12541 FOLLY QUARTER RD. ELICOTT CITY 21042

TAX ACCOUNT # 5-358345 TAX MAP 22 GRID 23 PARCEL 338 LOT NO. 4C PROPOSED LOT SIZE (ACRES) 5.016

ZONING CATEGORY R1D20 TIER

PROPERTY OWNER(S) KEVIN & DAINE CONNOR

DAYTIME PHONE 410-491-2781 CELL EMAIL kwoconnor@yahoo.com

MAILING ADDRESS 12541 FOLLY QUARTER RD. ELICOTT CITY 21042

APPLICANT MAF & ASSOC. LLC MATTHEW A. FORGEN RELATIONSHIP TO OWNER: CONSULTANT

DAYTIME PHONE 410-552-5541 CELL 413-864-8889 EMAIL mforgen@aol.com

MAILING ADDRESS 1526 HOBBS HILL RD. WOODBINE MD. 21797

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- PROPERTY: SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR MINOR CONSTRUCT NEW OSDS ON UNDEVELOPED LOT REPAIR OR REPLACE FAILING OSDS UPGRADE EXISTING OSDS

BUILDING:

- BUILDING: RESIDENTIAL WITH 6 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR? YES NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

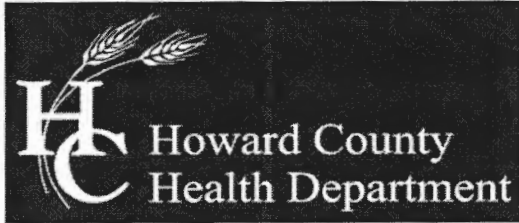
- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT. THE APPLICATION FEE IS NON-REFUNDABLE THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

SIGNATURE OF APPLICANT

DATE 3-5-13



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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 12541 Folly Quarter Rd

Subdivision: Glenly Manor Lot: 4-c

Table with 4 columns: Replacement type, Application rate, Effective area beginning depth, Bottom maximum depth. Values are handwritten: 1.2, 3, 8 for Initial system; 1.2, 3, 8 for 1st Replacement; 1.2, 3, 8 for 2nd Replacement.

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

(W + 2) / (W + 1 + 2D) x 100 = Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

Standard design requirements:

- Trenches must be located to provide room for 3 systems in the disposal area
All trenches must be equal length unless low pressure dosed
All trenches must be on contour
Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D + W up to a maximum spacing of 18'.
Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
Maximum trench length is 100'
Maximum pipe depth is 4'

Additional requirements:

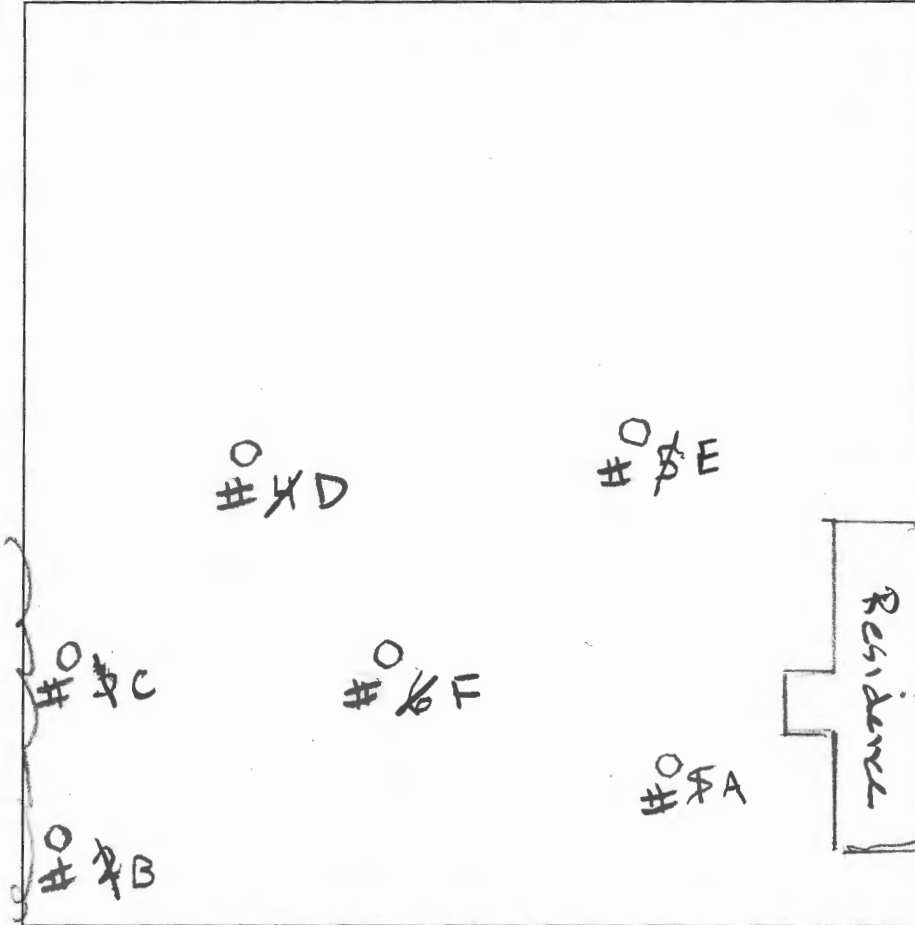
Approved: Hank Oswald Date: 3/22/18

562913

Not to scale

#6

#1  
 0.10 - drk br l blk  
 2' - yel scl  
 tan sl  
 12' - dry



0.6 - brl  
 2' - yel scl w/mca  
 tan sl pl.  
 12' - dry

#5  
 2' - drk brl yel-red scl  
 tan sl  
 12' - dry

#3  
 0.5 - brl blk red br  
 2' - scl  
 tan sl pl.  
 12' -

12541 Folly Quarter Rd

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/22/18	XA	4/12	10:21	10:26	10:33	7	P
3/22/18	BE	4/12	10:32	10:33	10:35	2	P
3/22/18	XD	3.8/12	10:46	10:48	10:51	3	P
3/22/18	BF	4.5/12	10:59	11:00	11:04	4	P
3/22/18	BC	4/12	11:10	11:12	11:16	4	P
3/22/18	FB	4.2/12.2	11:22	11:26	11:31	5	P

#4  
 0.7 - brl  
 2' - yel-red scl  
 4' - tan sl pl  
 12' - dry

#2  
 brl  
 Red br scl  
 2' - tan sl pl  
 4' -  
 12.2 - dry

REMARKS \_\_\_\_\_  
 SANITARIAN H. Oswald BACKHOE Freedom OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

kwocconnor@yahoo.com



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

March 22, 2018

To: Matthew Forgen (M.A.F. & Associates, LLC); Kevin & Diane Oconnor (Owner); Tina Carter (Owingsbrothers)

Percolation Test Report; 12541 Folly Quarter Road, Ellicott City, MD 21042

Percolation tests were conducted at 12541 Folly Quarter Road (Tax Map 22, Parcel 338) on March 22, 2018. Tests and profile descriptions were documented for 6 locations. All 6 test holes passed.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in the septic reserve area are represented by test locations having satisfactory soil condition. The area must be at least 10,000 square feet and large enough to accommodate 3 systems for the planned residence.

The next step in the process is to have an engineer submit a percolation certification plan to confirm the design of the septic reserve area.

Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-1786 or by email [hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

Respectfully,

*Hank Oswald*

Hank Oswald, L.E.H.S  
Bureau of Environmental Health  
Well & Septic Program

Attachment: Percolation Test Field Notes  
Perc Cert Plan Review Comments

**LEGEND**

Existing Grade

**Gbc SOILS** SOIL BOUNDARY LINE

**Gbb SOILS** SOIL CLASSIFICATION

PRIVATE SEWAGE EASEMENT

A=ELEV.466.25

PROPOSED PERCOLATION TEST HOLE LOCATION

Proposed Impervious

Existing Structure

Existing Fence

Woods line

EXISTING 1,500 GALLON SEPTIC TANK

PROPOSED 2,000 GALLON SEPTIC TANK

EXISTING 1,500 S.F. WELL ZONE

EXISTING WELL

**'MDE SEWAGE EASEMENT STATEMENT'**

"THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS EASEMENT 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 REVISED EASEMENT SHALL NOT BE NECESSARY."

**PURPOSE NOTE:**

THE PURPOSE OF THIS PLAN IS TO ESTABLISH A PRIVATE SEWAGE EASEMENT. THIS PRIVATE SEWAGE EASEMENT WILL ALLOW FOR THE RELOCATION OF THE SEPTIC SYSTEM FOR A HOUSE ADDITION TO BE PLACED ON SITE.

**TOPOGRAPHY NOTE:**

THE TOPOGRAPHY SHOWN ON THESE PLANS IS FIELD RUN AND VERIFIED BY KING'S POINT SURVEYS, INC.

**WELL LOCATION NOTE:**

ALL EXISTING WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100 FEET OF PROPERTY BOUNDARIES AND 200 FEET DOWN GRADIENT OF ANY WELLS AND OR SEPTIC SYSTEMS HAVE BEEN SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**NOTE:**

THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

**BOUNDARY AND LOCATION NOTE:**

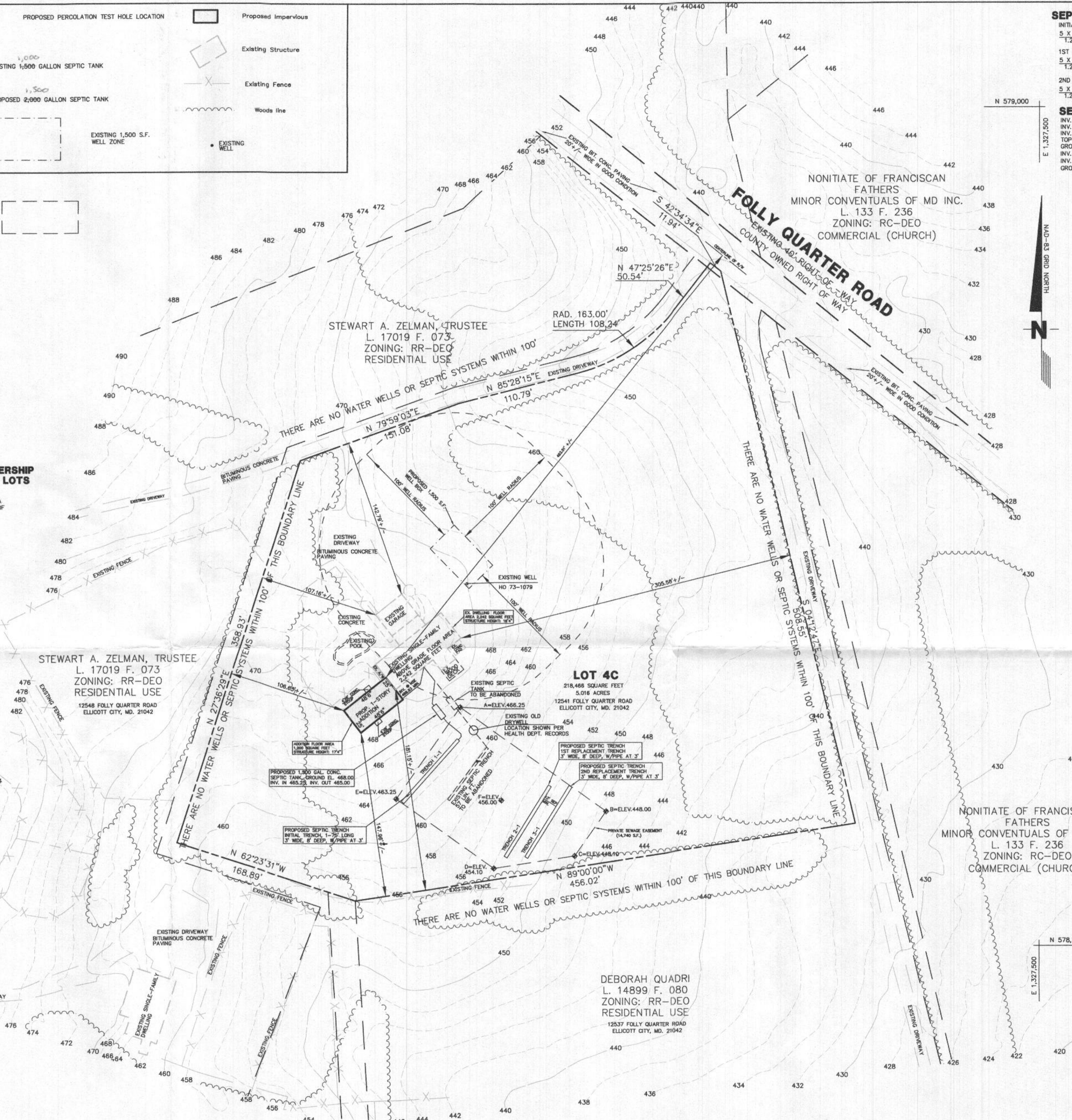
THE LOT BOUNDARY IS TAKEN FROM THE RECORD DEED RECORDED IN THE HOWARD COUNTY LAND RECORDS IN LIBER 0996 FOLIO 664. THE HOUSE AND SEPTIC AREA LOCATION ARE TAKEN FROM THE PREVIOUSLY APPROVED SITE DEVELOPMENT PLAN.

**CERTIFICATION OF COMPLIANCE WITH OWNERSHIP WIDTH AND LOT AREA REQUIREMENTS FOR LOTS CREATED AFTER 1985:**

THE LOT SHOWN HEREIN COMPLIES WITH THE MINIMUM WIDTH AND LOT AREA REQUIREMENTS FOR LOT AREA AS REQUIRED BY MARYLAND DEPARTMENT OF ENVIRONMENT.

**SEPTIC SYSTEM NOTE**

THE NEW SEPTIC SYSTEM WILL BE INSTALLED AND THE OLD SYSTEM WILL BE ABANDONED PRIOR TO BUILDING PERMIT APPROVAL.



**SEPTIC TRENCH DESIGN CALCULATION**

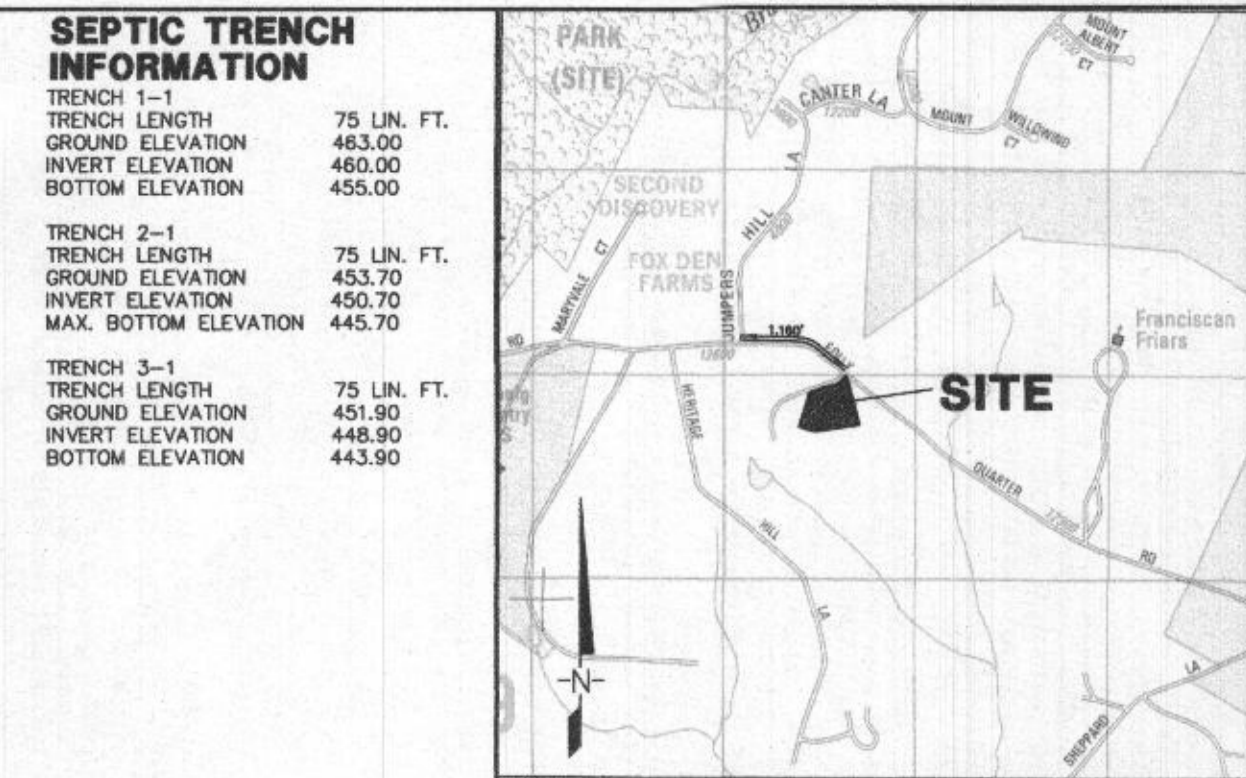
INITIAL TRENCHES  
 $5 \times 150 = 625 = 208.33 \times 0.3571 = 75$  LINEAR FEET  
 TRENCH LENGTH  
 GROUND ELEVATION  
 INVERT ELEVATION  
 BOTTOM ELEVATION

1ST REPLACEMENT TRENCHES  
 $5 \times 150 = 625 = 208.33 \times 0.3571 = 75$  LINEAR FEET  
 TRENCH LENGTH  
 GROUND ELEVATION  
 INVERT ELEVATION  
 BOTTOM ELEVATION

2ND REPLACEMENT TRENCHES  
 $5 \times 150 = 625 = 208.33 \times 0.3571 = 75$  LINEAR FEET  
 TRENCH LENGTH  
 GROUND ELEVATION  
 INVERT ELEVATION  
 BOTTOM ELEVATION

**SEPTIC SYSTEM INFORMATION**

INV. OUT OF HOUSE.....466.53  
 INV. IN SEPTIC TANK.....465.25  
 INV. OUT OF SEPTIC TANK.....465.00  
 TOP OF SEPTIC TANK.....466.00  
 GROUND ELEV. OVER SEPTIC TANK.....467.25  
 INV. IN DIST. BOX.....N/A  
 INV. OUT OF DIST. BOX.....N/A  
 GROUND ELEV. OVER DIST. BOX.....N/A



**VICINITY MAP**

SCALE: 1" = 2,000'

ADC MAP: 10, GRID: D12

Copyright ADC The Map People

Permitted Use Number 20811204

**SUBJECT PROPERTY LOCATION**

THIS SITE LIES ON THE SOUTH SIDE OF FOLLY QUARTER ROAD APPROXIMATELY 1,160' EAST OF JUMPERS HILL LANE.

**SITE DATA**

PROPERTY ADDRESS: 12541 FOLLY QUARTER ROAD, ELLICOTT CITY, MD. 21042

OWNER AND PETITIONER: KEVIN AND DIANE OCONNOR, 12541 FOLLY QUARTER ROAD, ELLICOTT CITY, MD. 21042, 410-491-2781, EMAIL: KWOCNNOR@YAHOO.COM

COUNSEL: MICHAEL L. WELAND, ESQ., DAVIS AGNOR RAPAPORT & SKALNY LLC, 10211 WNCOPIN CIRCLE, SUITE 600, PHONE: 410-995-5800, EMAIL: MWELAND@DARSLAW.COM

EXISTING USE: SINGLE FAMILY DWELLING PROPOSED USE: DWELLING ADDITION

EXISTING ZONING: RR-DEO SETBACKS: FRONT: 50', SIDE: 10', REAR: 30'

TAX MAP: 22 BLOCK: 23 PARCEL: 338 LOT: 4C

ELECTION DISTRICT: 5

TAX ACCOUNT NUMBER: 5-358345

CRITICAL AREA: N/A

TOTAL SITE AREA: 5.016 ACRES 218,466 SQUARE FEET

ABOVE GRADE FLOOR AREA: 2,242 SQUARE FEET

**GENERAL NOTES**

- NO PROPERTY LINE SURVEY HAS BEEN MADE AT THIS TIME.
- THE EXISTING UTILITIES HAVE NOT BEEN FIELD MARKED AT THE TIME. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE LOCATION OF THE EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY GRADING ACTIVITY.
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE TOPOGRAPHY SHOWN ON THESE PLANS IS FIELD RUN AND VERIFIED BY KING'S POINT SURVEYS, INC.
- THE EXISTING WELL WITH TAG # HO 73-1079 AND SEPTIC SYSTEM COMPONENTS HAVE BEEN FIELD LOCATED AND SHOWN ACCURATELY ON THE PLAN.

"Approval for private water and private sewerage systems"

Signature for Maureen Roszman 5/7/2018  
 Health Officer  
 Date

**NOTE**

PLEASE NOTE THAT THIS PLAN WAS PREPARED WITHOUT BENEFIT OF A SURVEY.

**OWNER:** KEVIN AND DIANE OCONNOR, 12541 FOLLY QUARTER ROAD, ELLICOTT CITY, MD. 21042, 410-491-2781, EMAIL: KWOCNNOR@YAHOO.COM

**PETITIONER:** KEVIN AND DIANE OCONNOR, 12541 FOLLY QUARTER ROAD, ELLICOTT CITY, MD. 21042, 410-491-2781, EMAIL: KWOCNNOR@YAHOO.COM

**COUNSEL:** MICHAEL L. WELAND, ESQ., DAVIS AGNOR RAPAPORT & SKALNY LLC, 10211 WNCOPIN CIRCLE, SUITE 600, PHONE: 410-995-5800, EMAIL: MWELAND@DARSLAW.COM

ALL OF THE ENGINEERING ON THIS PLAN HAS BEEN PROVIDED BY ANAREX, INC. UNDER THE DIRECT SUPERVISION OF MICHAEL J. WERNER, A DULY LICENSED PROFESSIONAL ENGINEER

**ANAREX, INC.**  
 CIVIL ENGINEERING SERVICES  
 LAND SURVEYING

303 Najoles Road - Suite 114  
 Millersville, MD 21108-2512  
 Phone: 410-987-6901

**PROFESSIONAL CERTIFICATION**

PROFESSIONAL CERTIFICATION: I, MICHAEL J. WERNER, 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. 23380, EXPIRATION DATE 8-19-18.

Signature: *[Signature]* Date: *4/26/18*

Name: Michael J. Werner  
 Firm Name: ANAREX, INC.  
 Address: 303 NAJOLAS ROAD, SUITE 114, MILLERSVILLE, MD. 21108-2512

STATE OF MARYLAND  
 MICHAEL JOSEPH WERNER  
 LICENSE NO. 23380  
 PROFESSIONAL ENGINEER

**DEVELOPMENT PLAN**  
 SCALE: 1"=50'

MAF & ASSOCIATES, LLC IS RESPONSIBLE ONLY FOR THE PROCESSING OF ALL DOCUMENTS TO THE LOCAL APPROVING AUTHORITY FOR PLAN APPROVAL.

**M.A.F. & ASSOCIATES, LLC**

528 HOODS MILL ROAD  
 WOODBINE, MD 21797  
 PHONE: 410-562-5541  
 FAX: 410-562-5546  
 EMAIL: MFORGEN@AOL.COM

**PERC CERTIFICATION PLAN**

**GLENELG MANOR**  
 LOT 4-C  
 12541 FOLLY QUARTER ROAD  
 ELLICOTT CITY MD. 21042

TAX MAP 22 BLOCK 23 PARCEL 338 TAX ACCOUNT #5-358345 ZONING: RR-DEO  
 DATE: JANUARY 1, 2018

5TH ASSESSMENT DISTRICT HOWARD COUNTY, MARYLAND

**SHEET 1 of 1**