



Bureau of Environmental Health
 8930 Stanford Blvd | Columbia, MD 21045
 410.313.2640 - Voice/Relay
 410.313.2648 - Fax
 1.866.313.6300 - Toll Free

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

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Winkler Property

PROPERTY ADDRESS N/S Duvall Road Woodbine 21797
STREET TOWN ZIP

TAX ACCOUNT # 04-335201 TAX MAP 13 GRID 4 PARCEL 297 LOT NO. PROPOSED LOT SIZE (ACRES) 4.183

ZONING CATEGORY RC-DEO TIER IV

PROPERTY OWNER(S) Frederick Wayne & Agnes Patricia Winkler

DAYTIME PHONE CELL 443 844 2686 EMAIL

MAILING ADDRESS 2355 Duvall Road Woodbine, Md. 21797
STREET CITY, STATE ZIP

APPLICANT Chris Durigg RELATIONSHIP TO OWNER: Contract Purchaser

DAYTIME PHONE CELL 301-219-4887 EMAIL cdurigg@comcast.net

MAILING ADDRESS 19004 Dellabrooke Farm Way Brookeville, Md. 20833
STREET CITY, STATE ZIP

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

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:

- RESIDENTIAL WITH unknown 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?

- 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.

Chris Durigg
 SIGNATURE OF APPLICANT

5/28/2021
 DATE

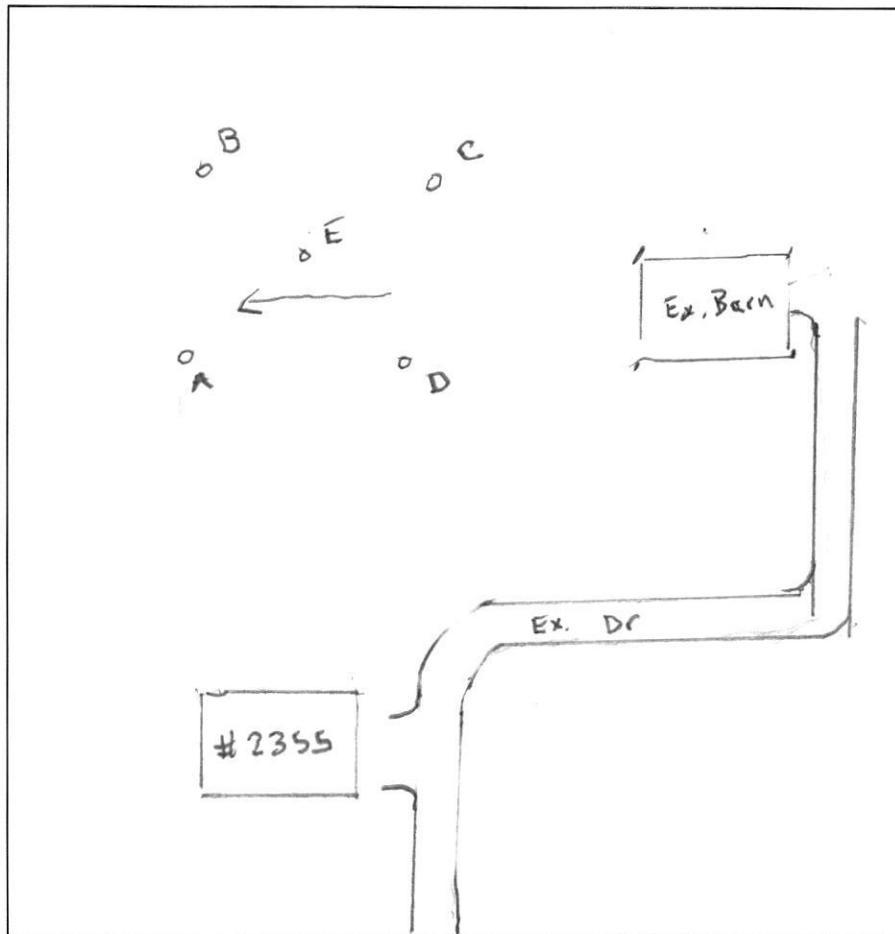
Not to Scale

AP 569540

A
1' brl
yellowish
br
3' scl
yel red
sl
pl
2.5' shale
12'

B
1' brl
yel br
scl
53' yel red
sl
pl
13'

C
1' brl
red br
3' scl
yellowish
br
sl
pl
5' shale
12'



D
0.09' brl
red br
2.5' scl
3' yel br
sl
pl
12'

E
1' brl
br
3' scl
yel br
sl
5' pl
rock
12'

Duvall Road

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6.23.21	A	4.5/12'	9:33	—	9:41	4	P
6.23.21	B	4.5/13'	9:24	9:27	9:31	4	P
6.23.21	C	4'/12'	9:01	—	9:09	4	P
6.23.21	D	4'/12'	9:12	9:16	9:30	14	P
6.23.21	E	4'/12'	9:49	9:54	10:00	6	P

REMARKS _____
 SANITARIAN H. Oswald BACKHOE Leveland OTHERS Owner / Purchaser
 TEST HOLES USED IN SDA A, B, C, D, E AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

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

June 23, 2021

To: Engineer-Vanmar Assoc. LLC, Owner – Frederick Winkler, Applicant-Chris Durigg

Re: Percolation Test Report

Percolation tests were conducted at 2355 Duvall Road (Tax Map 13, Parcel 297) on June 23, 2021. Tests and/or profile descriptions were documented for 5 test hole locations. All 5 test holes passed. Test hole E was added to the middle of the proposed area and must be field located.

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 disposal 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

Respectfully,

Hank Oswald

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

Attachment: Percolation Test Field Notes

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, June 23, 2021 11:15 AM
To: cdurigg@comcast.net
Cc: tmv@vanmar.com; wink4599@verizon.net
Subject: Perc Test Report_2355 Duvall Road_Winkler Property
Attachments: Perc Test Results_2355 Duvall Road.pdf

Hello All:

Attached, please find the perc test results for 2355 Duvall Road (Map.13, Parcel 297). Should you have any questions, please don't hesitate to ask.

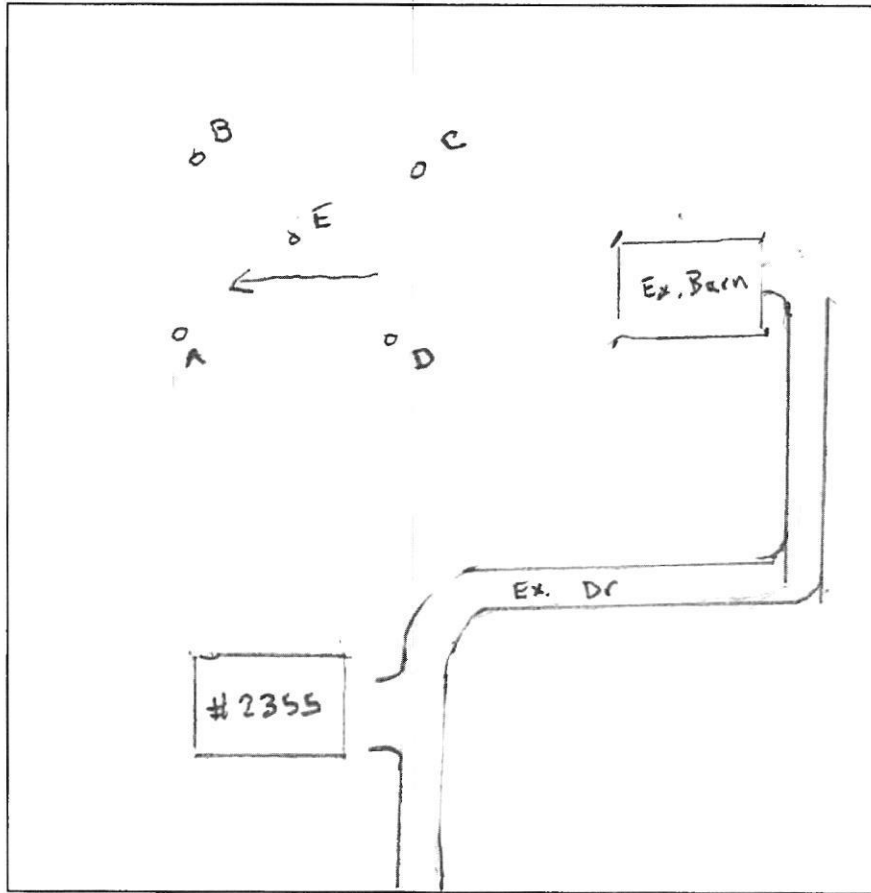
Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
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AP 569540

Not to Scale



A
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 yellowish
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 3' scl
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 13'

C
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 red br
 scl
 3' yellowish
 br
 sl
 pl
 5' shale
 12'

D
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 red br
 2.5' scl
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Hank Oswald

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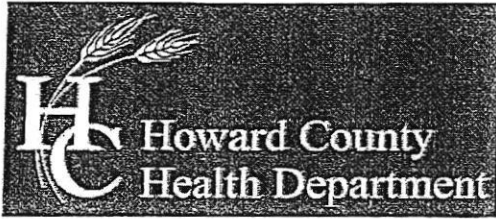
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Main: 410-313-2640 | Fax: 410-313-2648

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: Duvall Road

Subdivision: Frederick W. Winkler Property Lot: 2nd parcel

2nd Initial system: Application rate: 1.2 Effective area beginning depth: 4.5' Bottom maximum depth: 8'

1st 1st Replacement: Application rate: 0.8 Effective area beginning depth: 4' Bottom maximum depth: 8'

I 2nd Replacement: Application rate: 0.8 Effective area beginning depth: 4' Bottom maximum depth: 8'

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:

$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- 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:

Initial - percs A, B

1st, 2nd replacement - percs E, D, C (trench spacing 11' apart)

Approved: Zack Libvost Date: 2/8/22

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, June 17, 2021 9:09 AM
To: cdurigg@comcast.net
Cc: tmv@vanmar.com; wink4599@verizon.net
Subject: Perc Test_2355 Duvall Road_Winkler Property

Hi Mr. Durigg:

Good morning. I would like to schedule the perc test for 2355 Duvall Road. Please choose from one of the following dates:

- Wednesday June 23 starting at 8 a.m.
- Thursday July 1 starting at 8 a.m.

Prior to the test date, the test holes will need to be properly field located. You will need a septic contractor with a backhoe to excavate the perc test holes. I've attached a list of septic contractors for your convenience. Let me know if you have any questions or need alternate test dates.

Respectfully,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
(410) 313 - 1786
hoswald@howardcountymd.gov

PERC
Wed June
23



Oswald, Hank

From: Oswald, Hank
Sent: Monday, July 19, 2021 7:55 AM
To: tmv@vanmar.com
Subject: Perc Cert Plan Review Comment_Duvall Road_Winkler Property

Hi Mr. Vasant:

The perc cert plan was returned with the following comment:

- 1.) Add an elevation # to each perc test hole location.

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

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
(410) 313 - 1786
hoswald@howardcountymd.gov

Due Date 7/10/21

Date HO Signed Off _____

Date Sent to DPZ _____

PLAT TRANSMITTAL SHEET

TO: Mike Davis, Bureau Director

FROM: Hank Oswald

DATE: 7/13/21

RE: PLAT#

PROJECT NAME Winkler Property Parc Cert Plan

OF BUILDABLE LOTS 1

OF NON-BUILDABLE LOTS 0

Please find 4 paper copy(s) _____ mylar(s) for your:

_____ Review

Review and Signature

_____ Review to Well and Septic Program

_____ Pending Building Permit

- need perc hole elevations

1/10/10

Michael Robert Gussert 6/11/10



HOWARD COUNTY HEALTH DEPARTMENT

69540

DATE 6/3/21

AS

Received From

Van Mar Assoc.

PHONE #

301 829-2890

For

Peric App / 2355 Dumbled.

CASH

CHECK

NO.

210841

Five hundred set Dollars

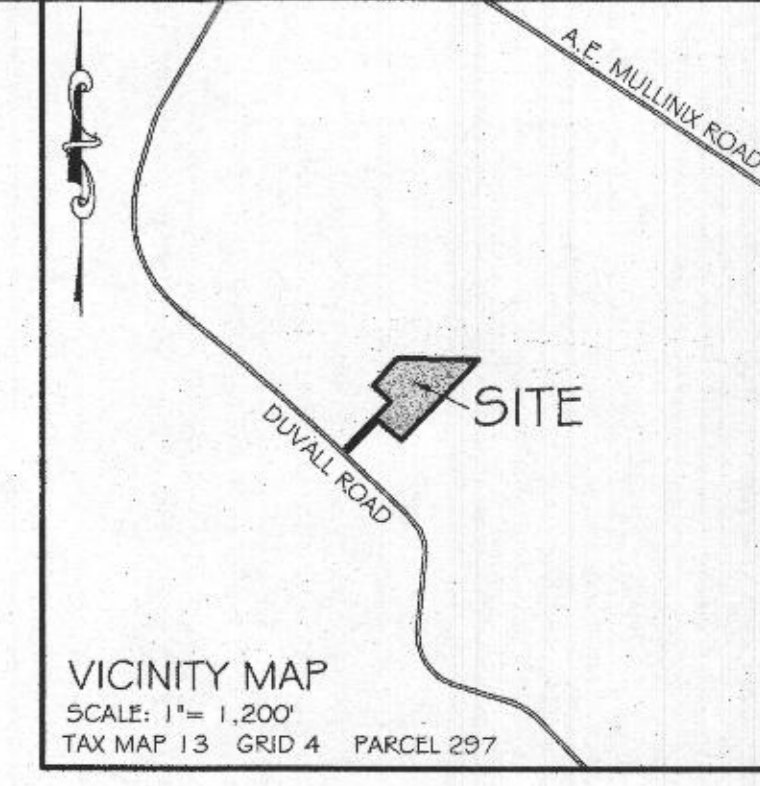
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506100

Received By

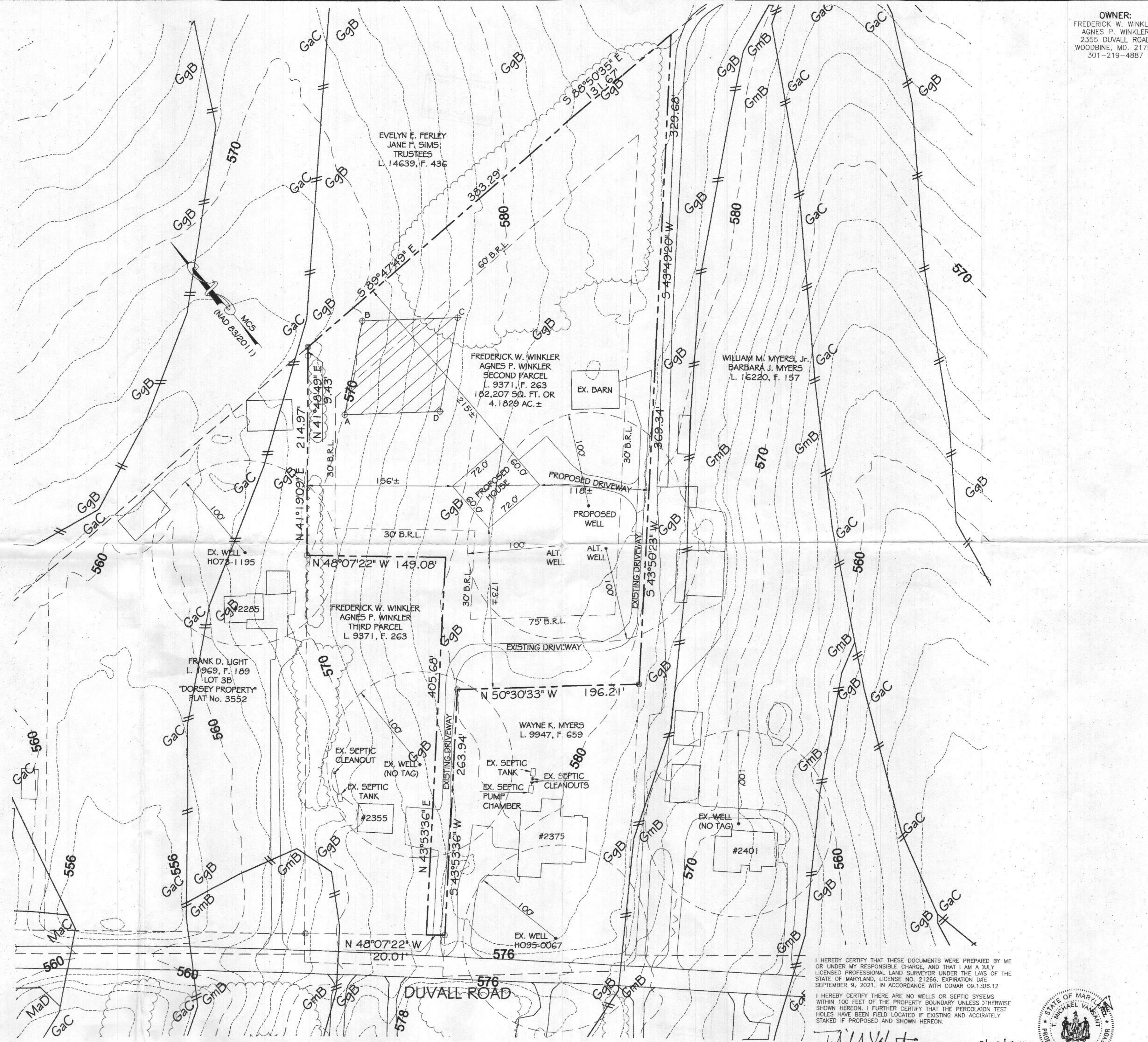
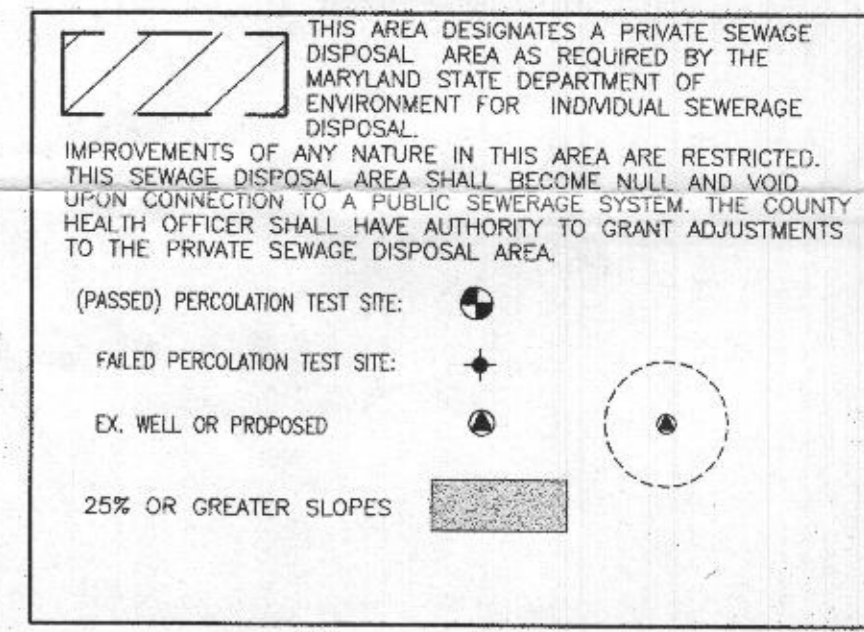
J King

OWNER:
 FREDERICK W. WINKLER
 AGNES P. WINKLER
 2355 DUVALL ROAD
 WOODBINE, MD, 21797
 301-219-4887



GENERAL NOTES:

- OWNER: FREDERICK W. WINKLER AND AGNES P. WINKLER
 DEED REFERENCE: LIBER 9371 FOLIO 263
 DATE: JUNE 14, 2005
 GRANTOR: FREDERICK W. WINKLER AND AGNES P. WINKLER
- TAX MAP: 13 GRID: 4 PARCEL: 297
- NEAREST POTABLE WATER SUPPLY: MT. AIRY DISTANCE: 10 MILES ±
- THE SUBJECT PROPERTY IS NOT LOCATED IN SPECIAL FLOOD HAZARD AREA PER NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 24027C00400*, EFFECTIVE ON 11/05/2013.
- TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
- THE BASIS OF BEARINGS FOR THIS PLAN IS THE MARYLAND COORDINATE SYSTEM (NAD83/2011) PER FIELD RUN GPS OBSERVATIONS. DISTANCES SHOWN HEREON ARE GROUND DISTANCES.
- THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
- THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES AND ACCURATELY SHOWN.
- SOIL TYPE: GLENELG (GgB).
- ZONING DISTRICT: RC-DEO
- ALL WELLS TO BE DRILLED PRIOR TO APPROVAL OF THE BUILDING PERMIT FOR A NEW RESIDENCE. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO THE BUILDING PERMIT. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT FOR A NEW RESIDENCE.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ANY CHANGES TO A PRIVATE SEPTIC AREA WILL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.



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

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A JULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21266, EXPIRATION DATE SEPTEMBER 9, 2021, IN ACCORDANCE WITH COMAR 09.1306.12

I HEREBY CERTIFY THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON. I FURTHER CERTIFY THAT THE PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED IF EXISTING AND ACCURATELY STAKED IF PROPOSED AND SHOWN HEREON.

T. MICHAEL VANSANT, PROF. LAND SURVEYOR
 MARYLAND REGISTRATION NO. 21266

5/27/2021 DATE

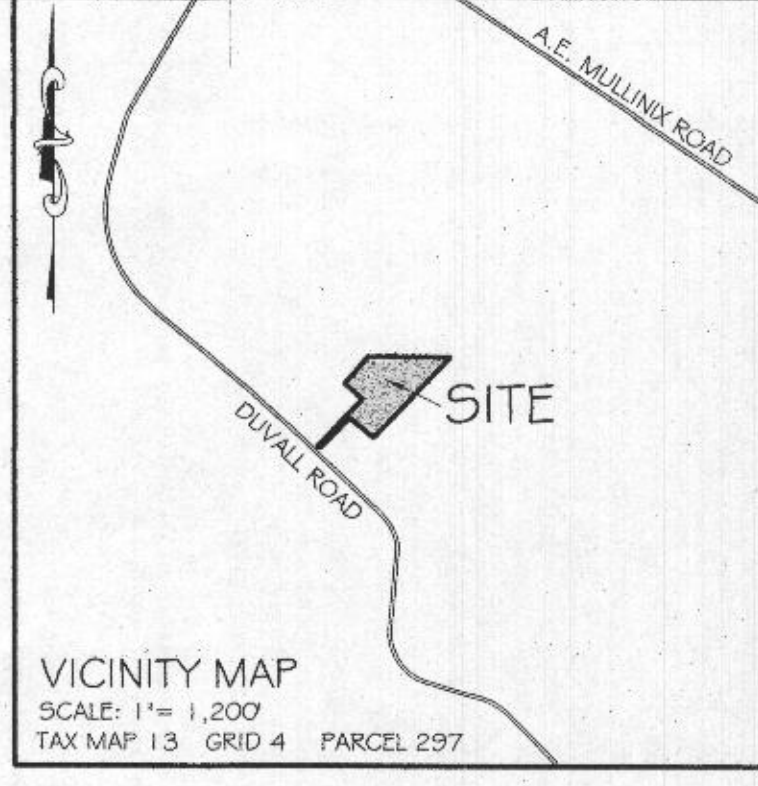


PERCOLATION TEST PLAN
 LANDS CONVEYED TO
**FREDERICK W. WINKLER &
 AGNES P. WINKLER**

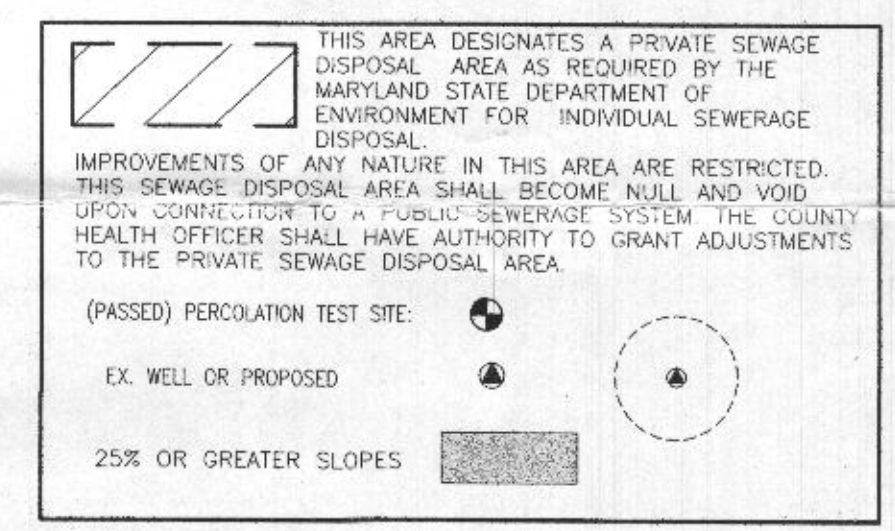
SECOND PARCEL
 LIBER 9371 FOLIO 263
 SITUATED ON DUVALL ROAD
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1"=50' MAY, 2021

VANMAR ASSOCIATES, INC.
 Engineers Surveyors Planners
 310 South Main Street Mount Airy, Maryland 21771
 (301) 829-2890 (301) 831-5015 (410) 549-2751
 vanmar.com ©Copyright, Latest Date Shown

OWNER:
 FREDERICK W. WINKLER
 AGNES P. WINKLER
 2355 DUVAL ROAD
 WOODBINE, MD. 21797
 301-219-4887



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REVISED: 7/20/21 : ELEVATIONS

PERCOLATION CERTIFICATION PLAN
 LANDS CONVEYED TO
**FREDERICK W. WINKLER &
 AGNES P. WINKLER**
 SECOND PARCEL
 LIBER 9371 FOLIO 263
 SITUATED ON DUVAL ROAD
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1"=50' JUNE, 2021

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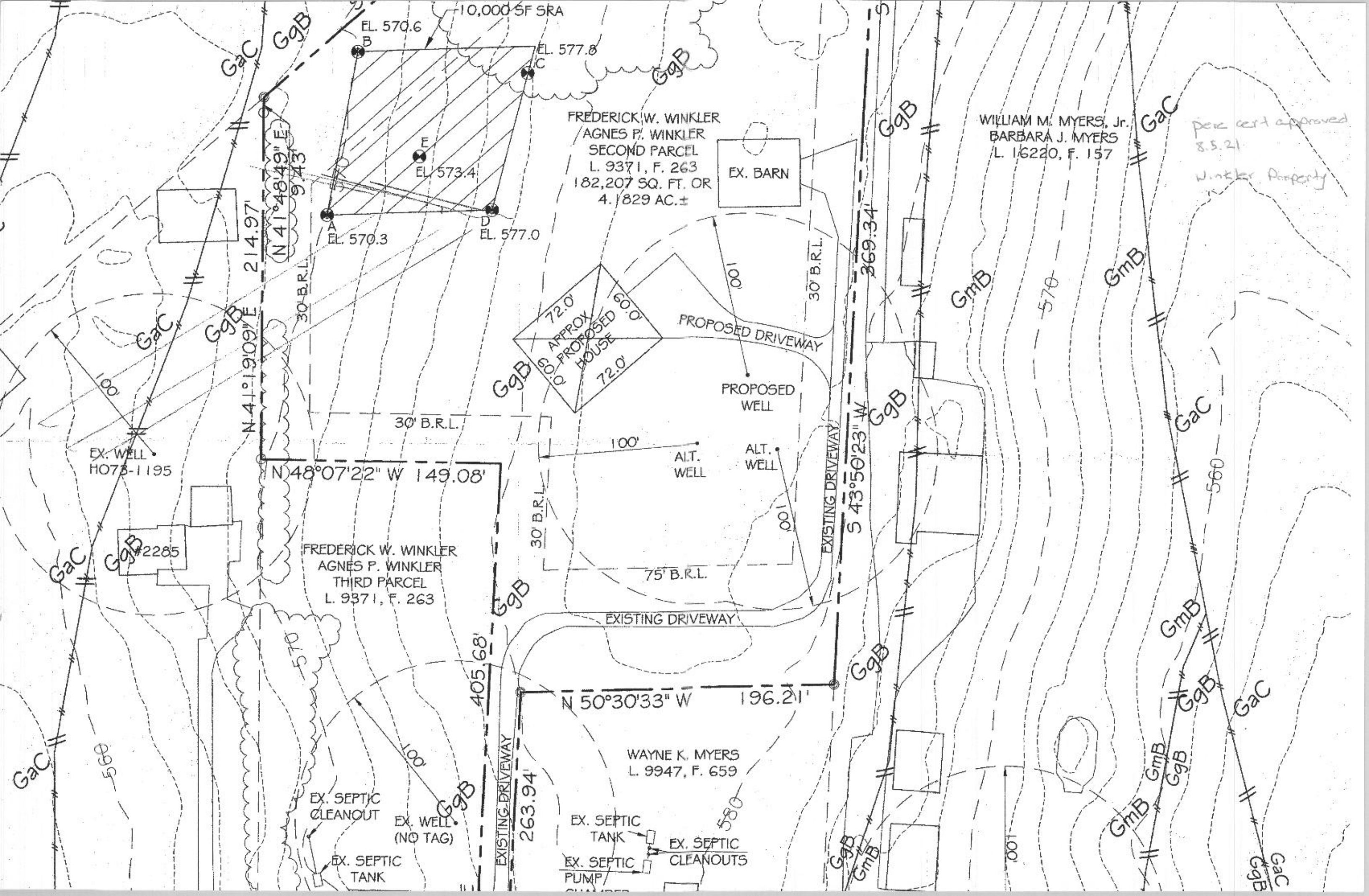
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Michael A. ...
 HOWARD COUNTY HEALTH OFFICER DATE

G:\Archives\liber\CI-6086 Winkler Lot\DWG\CI-6086 Survey.dwg, 7/20/2021 2:49:28 PM, 11



FREDERICK W. WINKLER
AGNES P. WINKLER
SECOND PARCEL
L. 9371, F. 263
182,207 SQ. FT. OR
4.1829 AC.±

WILLIAM M. MYERS, Jr.
BARBARA J. MYERS
L. 16220, F. 157

perc cert approved
8.5.21
Winkler Property

FREDERICK W. WINKLER
AGNES P. WINKLER
THIRD PARCEL
L. 9371, F. 263

WAYNE K. MYERS
L. 9947, F. 659

N 41°48'49" E 214.97'
N 41°19'09" E 214.97'
N 41°48'49" E 94.33'
30' B.R.L.

N 48°07'22" W 149.08'

405.68'
263.94'

N 50°30'33" W 196.21'

369.34'
S 43°50'23" W

EL. 570.6
EL. 577.8
EL. 573.4
EL. 570.3
EL. 577.0

72.0'
60.0'
72.0'
60.0'

30' B.R.L.
100'
100'
75' B.R.L.

EX. WELL
HO73-1195

EX. SEPTIC CLEANOUT
EX. SEPTIC TANK
EX. WELL (NO TAG)

EX. SEPTIC TANK
EX. SEPTIC PUMP/CHAMBER
EX. SEPTIC CLEANOUTS

EX. BARN

2285

580

570

560

100'