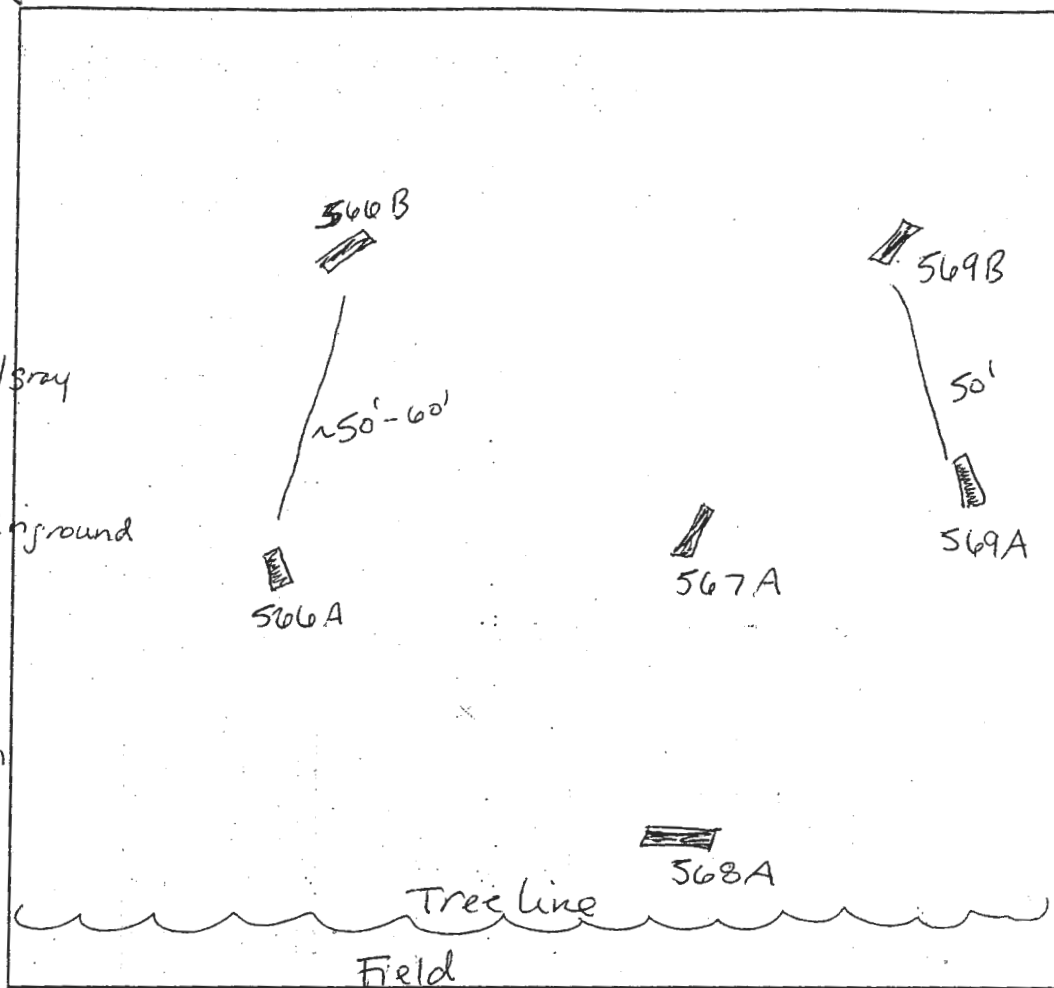


Lot 135

A/P
569B
brown L
orange brown
sil sbk
micaceous
transition
sil -> sil
yellow brown / gray
sil. pl
gritty sg
micaceous
well compacted ground
10-15% chert / coarse chert
5'5"
4'5"
11'

567A
brown L
5"
orange brown
roots L
2'6"
brown
sil. pl
grainy from
rock
micaceous
6'
roots
10-15%
chert / coarse
chert
11'

566A
brown L
roots
3"
orange brown
h sil pl
micaceous
grainy w/ rock
2'
brown
sil pl
grainy
micaceous
10-15%
chert /
coarse chert
11'



566B
brown L
roots
3"
orange brown
sil - ds
2'
yellow brown
sil sg
micaceous
10-15%
chert / coarse
chert
1'
gravel
cobbles
11'

568A
brown L
4"
orange brown
sil sbk
micaceous
5% gravel
well compacted
4'-5'
weak orange
brown
sil sg
micaceous
5% gravel
cobbles
11'

569A
brown L
brown
sil sg
grainy
micaceous
10-15%
chert /
coarse chert
11'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
9/29/05	567A	5' / 11'	9:13 ³⁷ 9:16 ⁵⁴	9:14 ³¹ 9:18 ³⁸	9:15 ⁵⁷ 9:20	—	—
			9:22 ¹⁸	9:25 ⁵⁰	9:25 ⁵⁴	2	P
	566A	4' / 11'	9:27 9:29	9:28 9:30	9:28 9:32	2	P
	568A	5' / 11'	9:36 ⁴⁹	9:38 ⁴⁸	9:51	13	P
	569A	11'					VP
	566B	5'3" / 11'	11:40 ⁴⁵	11:42 ²⁷	11:45 ²⁷	3	P
	569B	4'5" / 11'	11:10 ²⁴	11:13 ³⁸	11:19 ²⁸	6	P

REMARKS

Holes staked by engineer - Holes were in trees

SANITARIAN

SF

BACKHOE Mike Johnson

OTHERS Robert Webster

TEST HOLES USED IN SDA

AVG. PERC TIME

5

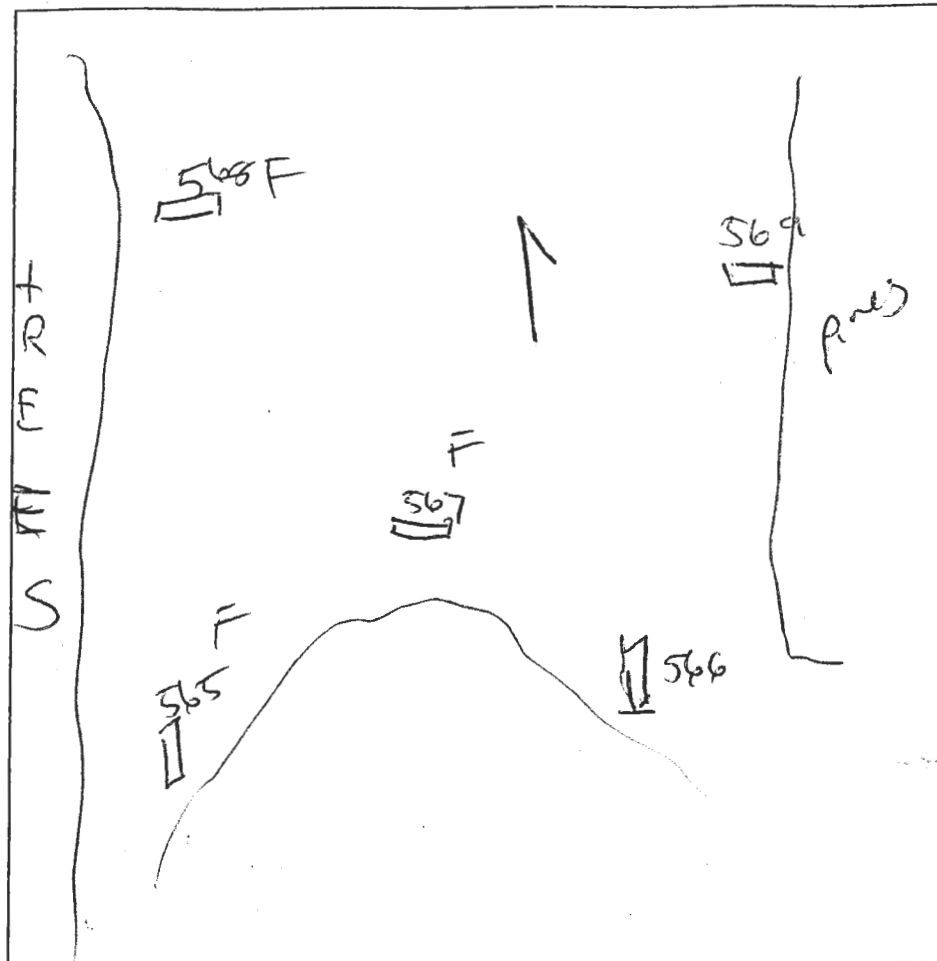
SQ. FT/BR

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE S/W



567

brown loam

Charly
very
micaceous
Silt
loam750%
Charly
fraggs
micaceous
Silt↓
refusal

569+568

brown loam

30% Charly
very fraggs
micaceousSilt
fine

>50%

Rock

w/

yub

micaceous

Silt

matry

refusal

568

brown loam

dark
brown
very
micaceous
& gravelly
Silt
loam

565

brown loam

red silt
(brown)
(light)

Aue silt

30%

Charly

fraggs

very

micaceous

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
8/25/85	567	4/9	2:25 ¹⁰	2:20 ³⁰	2:21 ¹⁰	Fast	F
	569	8	Visual		eyes		F
	568	8	Visual		750% rock fraggs		F
	565	4/12	2:26 ²⁰	2:27	2:28	Fast	F
	566	5/10	2:35 ³⁰	2:36 ¹⁵	2:37 ¹⁵	Fast	F
	Repair		2:38 ¹²	2:39 ⁴⁰	2:41 ⁰⁰		

REMARKS

SANITARIAN

~~PA4~~

BACKHOE

Johnson

OTHERS

R Webster

TEST HOLES USED IN SDA

AVG. PERC TIME

SQ. FT/BR

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE SW

AVP

522

wkrd
brn
SCL

2 1/2'

wk rd
brn
hvy loam

6'

brn
loam
R_p
~10-15%

Bottom

10'

524/523

strong
compact
heavy
loam

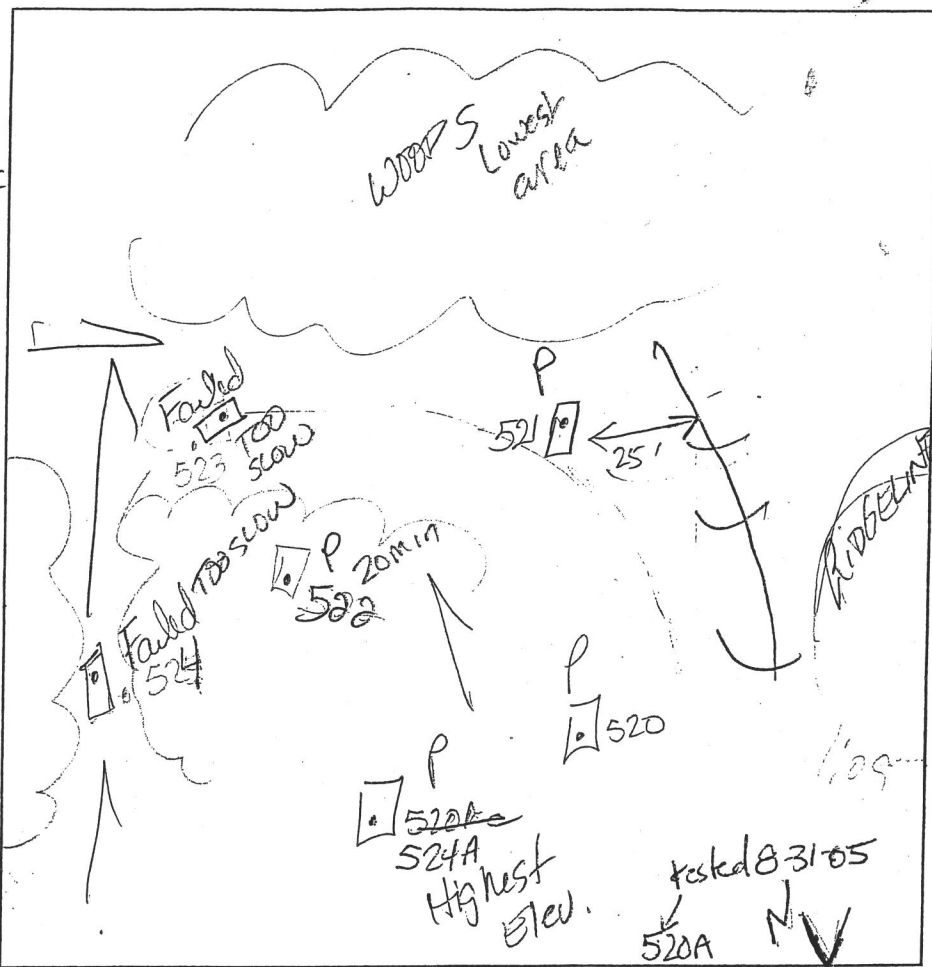
6 1/2'

2 pl
strong
compact
SL/L
Chert
frag
D₁₅ 20
14' Bottom Mn on face

520/520

str org
compactSCL
4 1/2'

4 1/2'

brn
micac
SANDR_x < 10%Bottom
10'

521

str brn
wk org
brn
micac
CL
1 pl

5'

lt brn
micac
SL
saprinite
~20%
SM frag

11'

Bottom

524A

wk rd
CL
R_x ~10%

5'

SANDY
Loam
R_x ~15%

11'

Bottom

520A

4 brn CL

2'

compact
hvy L

5'

wkrd,
brn L
s.g.c.w.
trace fr

13'

Bottom

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
8-10-05	522	5 1/2' / 10'	?	1:05	1:25	20	P
	523	5'	1:03	1:12	Did not move off 2nd peg in 20 min		
	524	6' 3"	1:00	1:06	1:26 - STILL NOT TO 2nd peg		F
	520	5' / 10'	1:09	1:12	1:19	7 min	P
	521	TOO CLOSE TO SWALE MOVED stake			Mr. Webster & then dug		
	521	DUG 25' off swale	12:14	12:18	12:24	6	P
	524A	5 1/2'	1:28	1:33	1:40	7	P
8-31	520A	6'	11:30	11:32	11:34	2+	P

REMARKS RAINING Holes dug per plan except #521, 520A

SANITARIAN None BACKHOE M. Johnson OTHERS

TEST HOLES USED IN SDA AVG. PERC TIME SQ. FT/BR

TRENCH WIDTH 3 INLET DEPTH 4 MAX. BOT DEPTH 6 EFFECTIVE SW 2'

January 22, 2015

Mr. Mike Davis
Howard County Health Department
Bureau of Environmental Health
7178 Columbia Gateway Drive
Columbia, Maryland 21046-4544

Re: Westland Farm Estates,
Lots 7 & 10
Percolation Certification Plat
Waiver Request

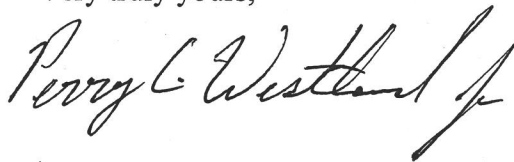
Dear Mr. Davis:

In response to a request by Mr. Hank Oswald with the Howard County Health Department To Mrs. Stephanie Tuite with Fisher, Collins And Carter, Inc., we are requesting a variance to allow the proposed septic easement and well relationships as follows:

1. The well box on Lot 10 to be located 200' downgradient of the septic easement on Lot 9.
2. The well box on Lot 7 to be located 268'± downgradient of the septic easement for Lot 7.

Thank you for your consideration of this request.

Very truly yours,

A handwritten signature in black ink, appearing to read "Perry C. Westland". The signature is written in a cursive, flowing style with a long, sweeping tail on the last letter.

WO #12027-3001

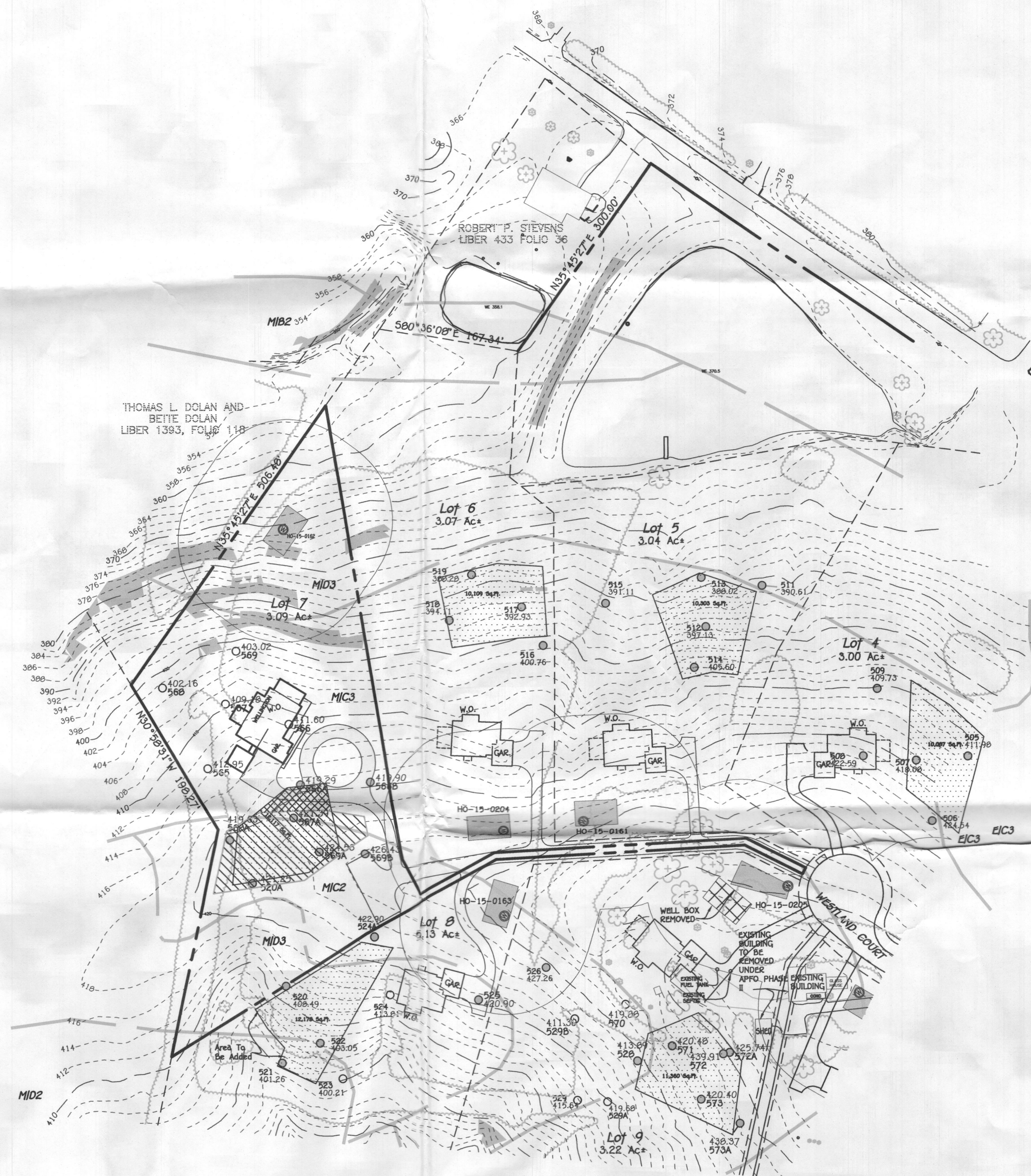
LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES EXISTING WELL
- DENOTES FAILED PERC
- DENOTES PASSED PERC
- DENOTES PROPOSED HOUSE
- DENOTES 25% AND GREATER SLOPE
- DENOTES 1500 SQ.FT. WELL RESERVE AREA
- DENOTES AREA TO BE REMOVED
- DENOTES PREVIOUSLY APPROVED PERC AREA
- DENOTES NEW SEPTIC AREA

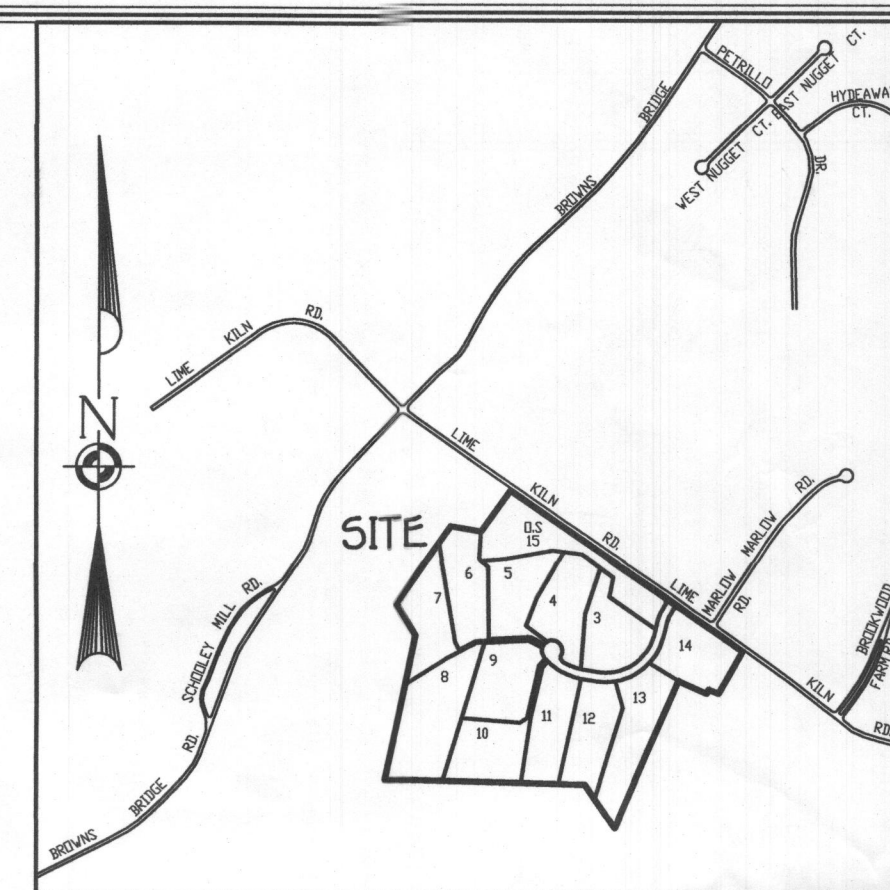


SOILS LEGEND

SOIL	NAME	CLASS
MIC2	Manor loam, 0 to 15 percent slopes, moderately eroded	B
MIC3	Manor loam, 0 to 15 percent slopes, severely eroded	B
MID2	Manor loam, 15 to 25 percent slopes, moderately eroded	B
MID3	Manor loam, 15 to 25 percent slopes, severely eroded	B



NON-BUILDABLE
AGRICULTURAL PARCEL 'A'
THOMPSON PROPERTY
Lot 1 and Non-Buildable Parcels A & B
PLAT NO. 13315



VICINITY MAP
SCALE : 1" = 1200'

GENERAL NOTES:

- 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 SEWERAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICE SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
- TOPOGRAPHY SHOWN IS FROM HARFORD AERIAL ON OR ABOUT JANUARY, 2006 AND IS SUPPLEMENTED WITH FIELD RUN TOPOGRAPHY BY FISHER, COLLINS AND CARTER, INC. ON OR ABOUT APRIL, 2006 AND IS ACCURATE TO 1' VERTICALLY.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- BOUNDARY SURVEY PREPARED BY FISHER, COLLINS & CARTER, INC. ON OR ABOUT OCTOBER 23, 1991.
- PLAT REFERENCE 23985 THRU 23987
- THE WELL HO-15-0163 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- SEPTIC FIELD WILL NEED TO BE STAKED PRIOR TO INSTALL.

THE PURPOSE OF THIS REVISED PERC CERT IS TO
REVISED THE SEPTIC DISPOSAL AREA TO ACCOMMODATE
THE PROPOSED DRIVEWAY.

PERC CERTIFICATION

I certify that the locations shown herein were established on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

Signature of Professional Land Surveyor
Terrell A. Fisher, Professional Land Surveyor No. 0692 Expires 12/13/19

1/18/19
DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.

Signature of County Health Officer
COUNTY HEALTH OFFICER

2/1/2019
DATE

OWNER AND DEVELOPER

WEG WESTLAND FARM LLC
5485 HARPIES FARM RD
SUITE 200
COLUMBIA MD 21044

AMENDED PERC CERTIFICATION PLAN
PROPERTY OF
WESTLAND FARM ESTATES
PHASE 2
LOT 7

TAX MAP #45 ZONED: RR-DEO PARCEL: 28
3RD ELECTION DISTRICT
SCALE: 1" = 100' HOWARD COUNTY, MARYLAND
DATE: JANUARY 18, 2019

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10277 BALTIMORE NATIONAL PIKE
ELIJAH CITY, MARYLAND 21042
(410) 461-2899

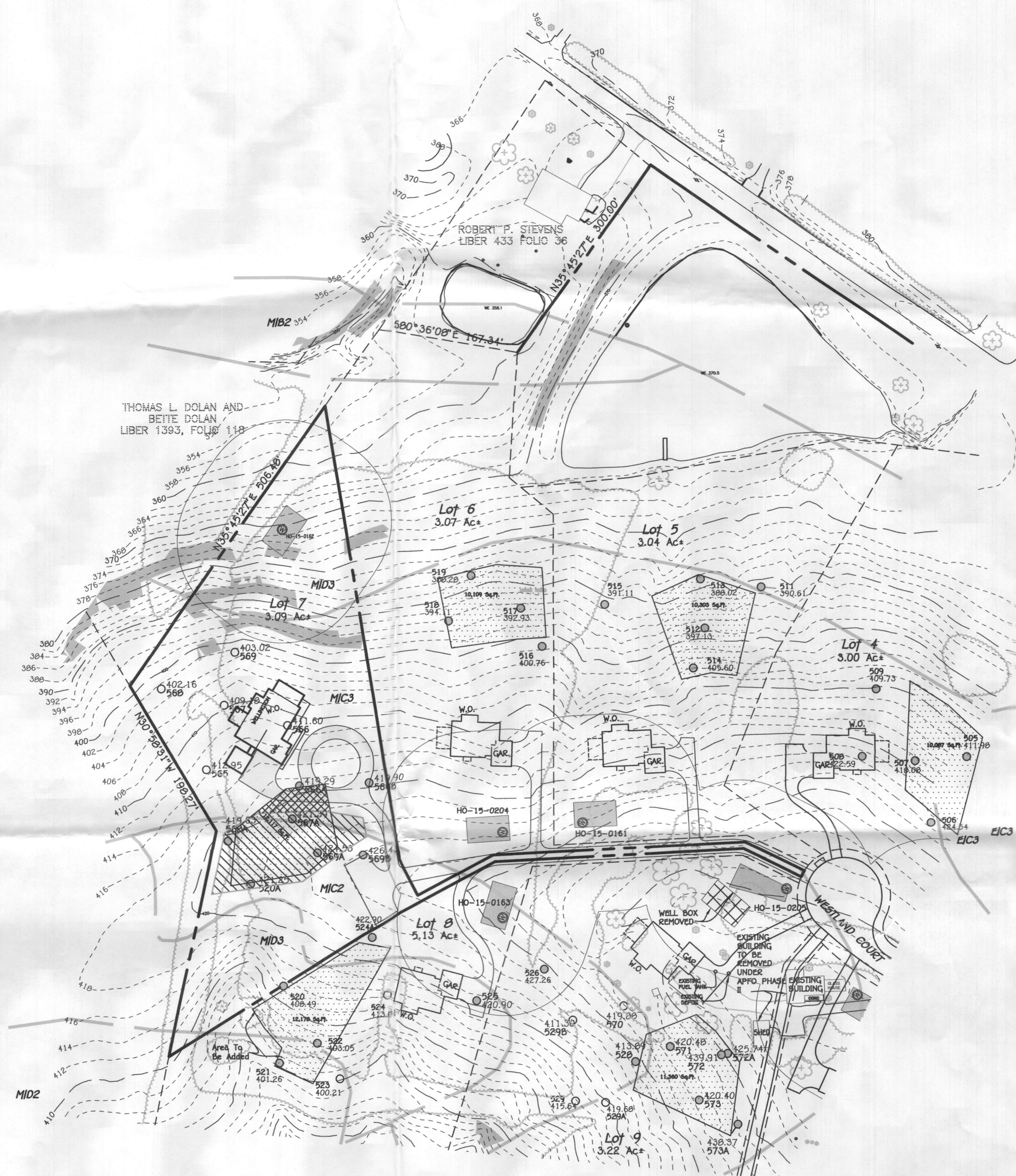
LEGEND

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- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES EXISTING WELL
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MID3	Manor loam, 15 to 25 percent slopes, severely eroded	B



NON-BUILDABLE
AGRICULTURAL PARCEL "A"
THOMPSON PROPERTY
Lot 1 and Non-Buildable Parcels A & B
PLAT NO. 13315

GENERAL NOTES:

- 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 SEWERSHIP IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICE SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECONSTRUCTION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
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- TOPOGRAPHY SHOWN IS FROM HARFORD AERIAL, ON OR ABOUT JANUARY, 2008 AND SUPPLEMENTED WITH FIELD RUN TOPOGRAPHY BY FISHER, COLLINS AND CARTER, INC. ON OR ABOUT APRIL, 2009 AND IS ACCURATE TO 1' VERTICALLY.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- BOUNDARY SURVEY PREPARED BY FISHER, COLLINS & CARTER, INC. ON OR ABOUT OCTOBER 23, 1991.
- PLAT REFERENCE E3985 THRU E3987
- THE WELL 10-15-0166 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- SEPTIC FIELD WILL NEED TO BE STAKED PRIOR TO INSTALL.

THE PURPOSE OF THIS REVISED PERC CERT IS TO REVISED THE SEPTIC DISPOSAL AREA TO ACCOMMODATE THE PROPOSED DRIVEWAY.

PERC CERTIFICATION

I certify that the locations shown on this plan were located on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

Signature of Professional Land Surveyor: *Terrell A. Fisher*
Terrell A. Fisher, Professional Land Surveyor, No. 10692 Expires 12/13/19
Date: 1/18/19

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.

Signature for Monica Roseman
COUNTY HEALTH OFFICER
Date: 2/1/2019

OWNER AND DEVELOPER

WBG WESTLAND FARM LLC
5485 HARPERS FARM RD
SUITE 200
COLUMBIA MD 21044

AMENDED PERC CERTIFICATION PLAN PROPERTY OF WESTLAND FARM ESTATES PHASE 2 LOT 7

TAX MAP #45 ZONED: RR-DEO PARCEL: 28
3RD ELECTION DISTRICT
SCALE: 1" = 100' HOWARD COUNTY, MARYLAND
DATE: JANUARY 18, 2019

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2895