

Oswald, Hank

From:

Oswald, Hank

Sent:

Wednesday, April 04, 2018 9:57 AM

To:

'Tony Fertitta'

Subject:

Perc Cert_Westland Farm Estates Lot 8

Attachments:

PERC CERT Memo To FCC_2018_.pdf

Hi Tony:

Attached, please find a memo regarding the revised perc cert for Westland Farm Estates, Lot 8

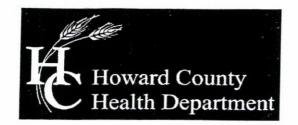
Thanks,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov

CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.



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

Date: 5/18/15

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET
Address:
Subdivision: Westland Farm Estates Lot: 8
Initial system: Application rate:
1st Replacement: Application rate: 0,8 Effective area beginning depth: 4 1/2 Bottom maximum depth:
2 nd Replacement: Application rate: 0.8 Effective area beginning depth: 5 1/2 Bottom maximum depth: 6
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: $\frac{W+2}{W+1+2D} \times 100 = \frac{\text{Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.}$
 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:

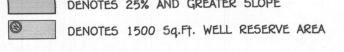
Approved: Hank

DENOTES EXISTING WELL DENOTES FAILED PERC

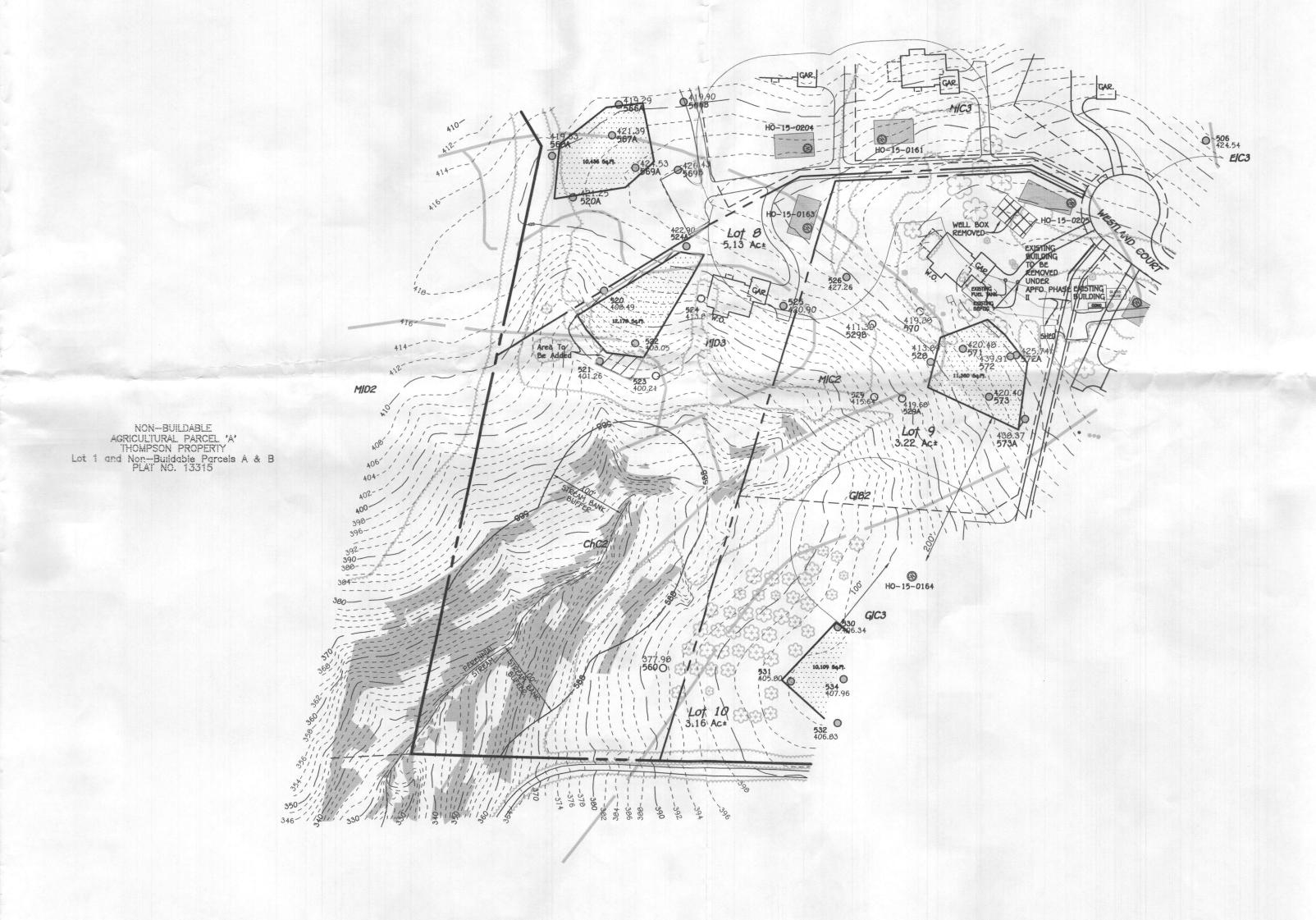
O DENOTES PASSED PERC

DENOTES PROPOSED HOUSE

DENOTES 25% AND GREATER SLOPE



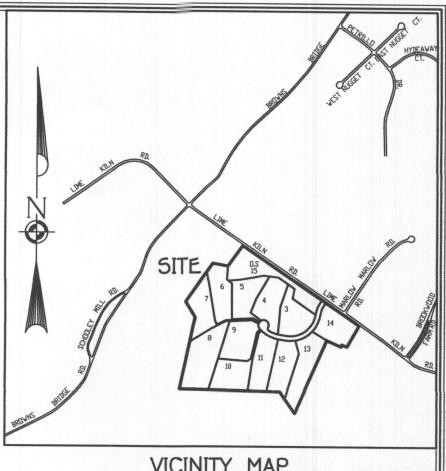
	NAME	CLASS
	de la contraction de la contra	
	Chester silt loam, 8 to 15 percent slopes, moderately eroded	В
EIC3 EI	lioak silty clay loam, 8 to 15 percent slopes, moderately eroded	В
GIB2 GI	Glenelg loam, 3 to 8 percent slopes, moderately eroded	В
GIC3 GI	ilenelg loam, 8 to 15 percent slopes, severely eroded	В
MIC2 M	lanor loam, 8 to 15 percent slopes, moderately eroded	В
MIC3 M	lanor loam, 8 to 15 percent slopes, severely eroded	В
MID2 M	lanor loam, 15 to 25 percent slopes, moderately eroded	В
MID3 M	lanor loam, 15 to 25 percent slopes, severely eroded	В



PROPERIY OF W.S.S.C.

OWNER AND DEVELOPER

PERRY AND BARBARA WESTLAND PO BOX 143 FULTON MD, 20759



VICINITY MAP

5CALE: 1" = 1200'

GENERAL NOTES:

1. 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 OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

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

3. 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.

SHOWN.

4. TOPOGRAPHY SHOWN IS FROM HARFORD AERIAL ON OR ABOUT JANUARY, 2006 AND SUPPLEMENTED WITH FIELD RUN TOPOGRAPHY BY FISHER, COLLINS AND CARTER, INC ON OR ABOUT APRIL, 2006 AND IS ACCURATE TO 1' VERTICALLY.

5. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.

6. BOUNDARY SURVEY PREPARED BY FISHER, COLLINS & CARTER, INC. ON OR ABOUT OCTOBER 23, 1991.

7. PLAT REFERENCE 23985 THRU 23987

8. THE WELL HO-15-0163 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.

9. SEPTIC FIELD WILL NEED TO BE STAKED PRIOR TO INSTALL.

THE PURPOSE OF THIS REVISED PERC CERT IS TO REVISED SEPTIC LOCATION ON LOT 8

AMENDED PERC CERTIFICATION PLAN PROPERTY OF WESTLAND FARM ESTATES

PHASE 2 LOT 8

ZONED: RR-DEO PARCEL: 28

3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND DATE: APRIL 4, 2017 SCALE: 1"= 100'

FISHER, COLLINS & CARTER, INC.

Signature of Professional Land Surveyor 10692

Terrell A. Fisher, Professional Land Survey of Month 10692 Expires 12/13/19

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

---- EXISTING 10' CONTOURS

EXISTING TREE LINE

SOIL LINES AND TYPES

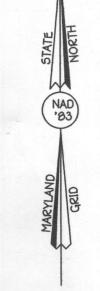
DENOTES EXISTING WELL

DENOTES FAILED PERC

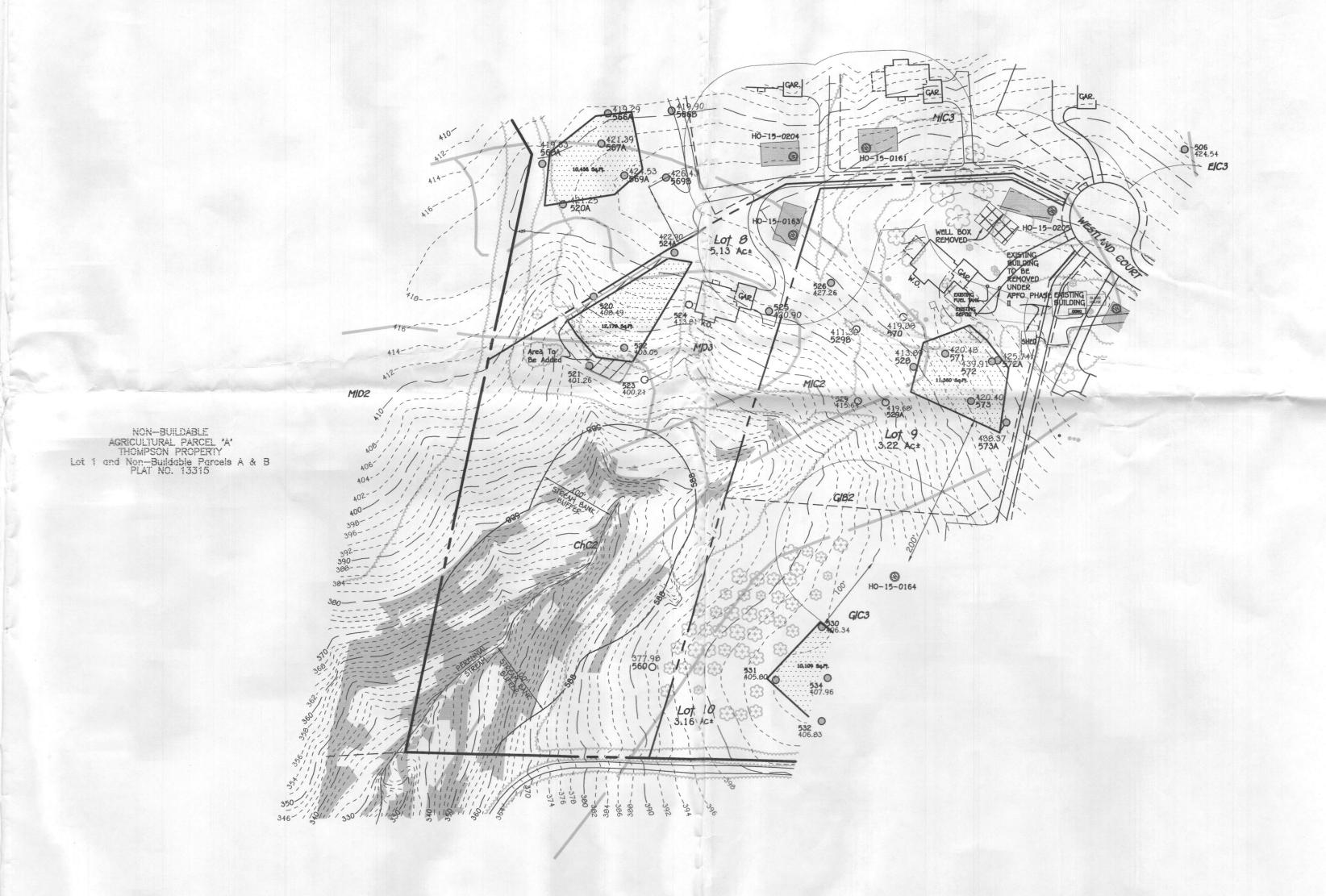
O DENOTES PASSED PERC

DENOTES PROPOSED HOUSE DENOTES 25% AND GREATER SLOPE

DENOTES 1500 Sq.Ft. WELL RESERVE AREA



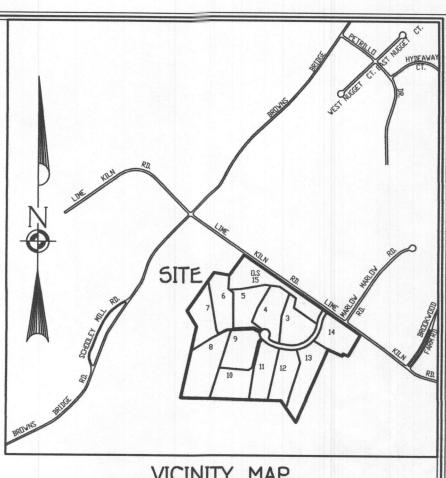
SOIL	NAME	CLASS
ChC2	Chester silt loam, 0 to 15 percent slopes, moderately eroded	В
EIC3	Elioak silty clay loam, 8 to 15 percent slopes, moderately eroded	В
GIB2	Glenely loam, 3 to 8 percent slopes, moderately eroded	В
GIC3	Glenelg loam, 0 to 15 percent slopes, severely eroded	В
MIC2	Manor loam, 8 to 15 percent slopes, moderately eroded	В
MIC3	Manor loam, 8 to 15 percent slopes, severely eroded	В
MID2	Manor loam, 15 to 25 percent slopes, moderately eroded	В
MID3	Manor loam, 15 to 25 percent slopes, severely eroded	В



PROPERTY OF W.S.S.C.

OWNER AND DEVELOPER

PERRY AND BAKBARA WESTLAND PO BOX 143 FULTON MD, 20759



VICINITY MAP 5CALE : 1" = 1200'

GENERAL NOTES:

1. 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 OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

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

3. 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.

4. TOPPOGRAPHY SHOWN IS FROM HARFORD ARRIAL ON OR ABOUT JANUARY 2006 AND SUBPLEMENTED WITH FIELD RUN

SHOWN.

4. TOPOGRAPHY SHOWN IS FROM HARFORD AERIAL ON OR ABOUT JANUARY, 2006 AND SUPPLEMENTED WITH FIELD RUN TOPOGRAPHY BY FISHER, COLLINS AND CARTER, INC ON OR ABOUT APRIL, 2006 AND IS ACCURATE TO 1' VERTICALLY.

5. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.

6. BOUNDARY SURVEY PREPARED BY FISHER, COLLINS & CARTER, INC. ON OR ABOUT OCTOBER 23, 1991.

7. PLAT REFERENCE 23905 THRU 23907

8. THE WELL HO-15-0163 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.

9. SEPTIC FIELD WILL NEED TO BE STAKED PRIOR TO INSTALL.

THE PURPOSE OF THIS REVISED PERC CERT IS TO REVISED SEPTIC LOCATION ON LOT 8

AMENDED PERC CERTIFICATION PLAN PROPERTY OF WESTLAND FARM ESTATES PHASE 2

LOT 8

ZONED: RR-DEO TAX MAP #45 3RD ELECTION DISTRICT

5CALE: 1"= 100'

PARCEL: 28 HOWARD COUNTY, MARYLAND DATE: APRIL 4, 2017

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

Signature of Professional Land Survey of Mon 10692 Expires 12/13/19

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