

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ @P 523269

AGENCY REVIEW: \_\_\_\_\_ DATE 9/7/05

DO NOT WRITE ABOVE THIS LINE

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

CHECK AS NEEDED:

- ☒ CONSTRUCT NEW SEPTIC SYSTEM(S)  
☐ REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM  
☐ REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- ☒ NEW STRUCTURE(S)  
☐ ADDITION TO AN EXISTING STRUCTURE  
☐ REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- ☒ CREATE NEW LOT(S)  
☐ BUILD ON AN EXISTING LOT IN A SUBDIVISION  
☐ BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- ☐ YES  
☒ NO

THE TYPE OF STRUCTURE IS:

- ☒ RESIDENTIAL WITH 4705 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE UNKNOWN IF APPROPRIATE)  
☐ COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)  
☐ INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) MRS. WILLIAM A. SCHULTE

DAYTIME PHONE 443-367-0422 CELL \_\_\_\_\_ FAX 443-367-0420

MAILING ADDRESS 5300 TORSEY HALL DR. ELLICOTT CITY, MD 21042  
STREET CITY/TOWN STATE ZIP

APPLICANT LAND DESIGN & DEVELOPMENT LLC

DAYTIME PHONE 443-367-0422 CELL \_\_\_\_\_ FAX 443-367-0420

MAILING ADDRESS 5300 TORSEY HALL DR #102 ELLICOTT CITY, MD 21042  
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME SCHULTE PROPERTY NORTH SIDE LOT NO. 30

PROPERTY ADDRESS 15320 OLD FREDERICK RD WOODBINE MD 21797  
STREET AT MORGAN STATION ROAD TOWN/POST OFFICE

TAX MAP PAGE(S) 8 GRID 223 PARCEL(S) 8217 PROPOSED LOT SIZE 40,000 sq ft

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN. TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P \_\_\_\_\_

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H

REMARKS \_\_\_\_\_

SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

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

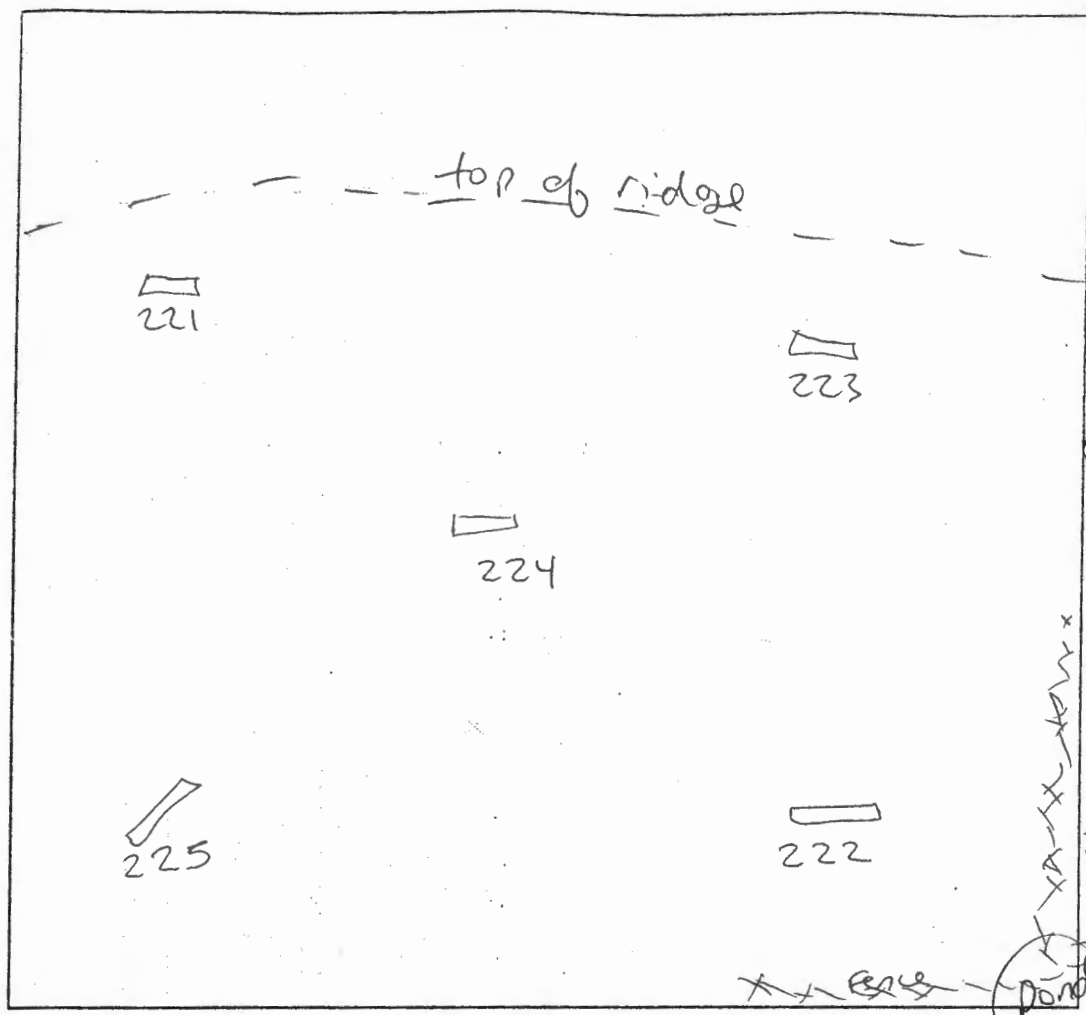
TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

A/P Lot 30  
223

18" brown L  
reddish yellow  
silt sbk  
brownish yellow  
silt sg  
5% chert/  
coarse chert

225  
1' brown L  
sbk  
reddish yellow  
silt sbk  
15% chert  
3' brownish yellow  
silt sg  
4' 25-30%  
chert/  
coarse chert  
9'

222  
1' brown L  
sbk  
brownish yellow  
silt →  
dense silt  
sbk  
2' brownish yellow  
silt sg  
cw  
5-10%  
chert/  
coarse chert



224  
6" brown L  
reddish yellow  
silt  
28" brownish yellow  
silt sg  
micaschist  
5' chert rock  
55" 5-10%  
chert/  
coarse chert  
10' 221  
1' brown L  
reddish yellow  
w/ light red  
silt m  
36" yellow  
light red  
silt sg  
10-15%  
chert/  
coarse chert  
throughout  
profile  
12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd. INCH	P/F/H
11/17/05	222	5' / 12'	12:50 <sup>51</sup>	12:05 <sup>06</sup>	12:13	8	P
	225	4' / 9'	12:06 <sup>42</sup>	12:11	12:18 <sup>37</sup>	7	P
	224	10'		visual		ok	P
	221	4'5" / 12'	12:23 <sup>00</sup>	12:27 <sup>36</sup>	12:36 <sup>00</sup>	9	P
	223	4'5" / 11'	11:11 <sup>07</sup>	11:13	11:16	3	P

REMARKS Holes dug per plan and staked by surveyors  
 SANITARIAN SF BACKHOE M. Johnson (AEC) OTHERS R. Webster  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME 7 SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

## Oswald, Hank

---

**From:** Tony Fertitta <tonyf@fcc-eng.com>  
**Sent:** Tuesday, July 09, 2019 11:44 AM  
**To:** Oswald, Hank  
**Subject:** RE: Perc Cert\_Fairlane Farms\_Lot 30

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

WE HAD A COMPANY FLY THE SIT FOR THE TOPO . YOU CAN STRIKE A LINE THROUGH THE STEEP SLOPES THEN SEND IT UP SEE WHT THY SAY. THANKS..... SORRY ABOUT CAPS JUST NOTICED.

---

**From:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Sent:** Tuesday, July 09, 2019 11:39 AM  
**To:** Tony Fertitta <tonyf@fcc-eng.com>  
**Subject:** Perc Cert\_Fairlane Farms\_Lot 30

Hi Tony:

I am reviewing the perc recert plan for Fairlane Farms, Lot 30 and I had a question about note #6. It reads, Topo shown is from Harford Aerial Contour Mapping etc. Why Harford and not Howard? Also, you have a symbol in the legend for steep slopes but not showing any on the plan. I could strike a line through it. In addition, you don't have a field location note for the existing well. Lastly, there is no arrow pointing to the well box to be added at the tip of it. I could submit as is, but it might bounce back.

Let me know.

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](mailto:hoswald@howardcountymd.gov)

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**FISHER, COLLINS  
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS  
and LAND SURVEYORS**

# Transmittal

Terrell A. Fisher, P.E., L.S.  
Earl D. Collins, P.E.  
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.  
Mark L. Robel, P.L.S.  
Aldo M. Vitucci, P.E.  
Frank Manalansan II, L.S.  
Stephanie Tuite, RLA, P.E., LEED AP BD&C

Via: ☐ Fax ☐ Mail ☒ Messenger ☐ E-Mail ☐ To Be Picked Up  
☐ Fax (original to follow via U.S. Mail)

To: **Bureau of Environmental Health**  
**8930 Stanford Blvd.**  
**Columbia, Maryland 21046-4544**

Attn: **Hank**  
Fax:  
Phone: **410-313-2640**

From: **Tony Fertitta**

CC:

Re: **Fairlane Farms, Lot 30**

W.O.# **05106-3003**

Date: **July 3, 2019**

Pages: **0** **Page(s) Including this cover**

We are forwarding: ☒ Prints ☐ Copy of Letter ☐ Specifications ☐ Shop drawings ☐ Other  
☐ Urgent ☐ For your use ☐ As requested ☒ For Review & Comment

Remarks:

**Re: Fairlane Farm, Lot 30, 15204 Torino Way.**

**Here are 3 copies of the revised perc cert plan for Lot 30 for your review/approval Please let me know if you have any questions.**

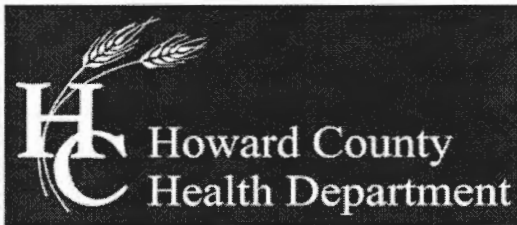
**Thank You,**

**Tony.**

**Fisher, Collins, & Carter, Inc. Ph. 410-461-2855**

## CONFIDENTIALITY NOTICE

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## 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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

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

### SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: \_\_\_\_\_

Subdivision: Fairlane Farm Lot: 30

Initial system: Application rate: 0.8 Effective area beginning depth: 3' Bottom maximum depth: 6'

1<sup>st</sup> Replacement: Application rate: 0.8 Effective area beginning depth: 3' Bottom maximum depth: 5'

2<sup>nd</sup> Replacement: Application rate: 0.8 Effective area beginning depth: 3' Bottom maximum depth: 5'

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:

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

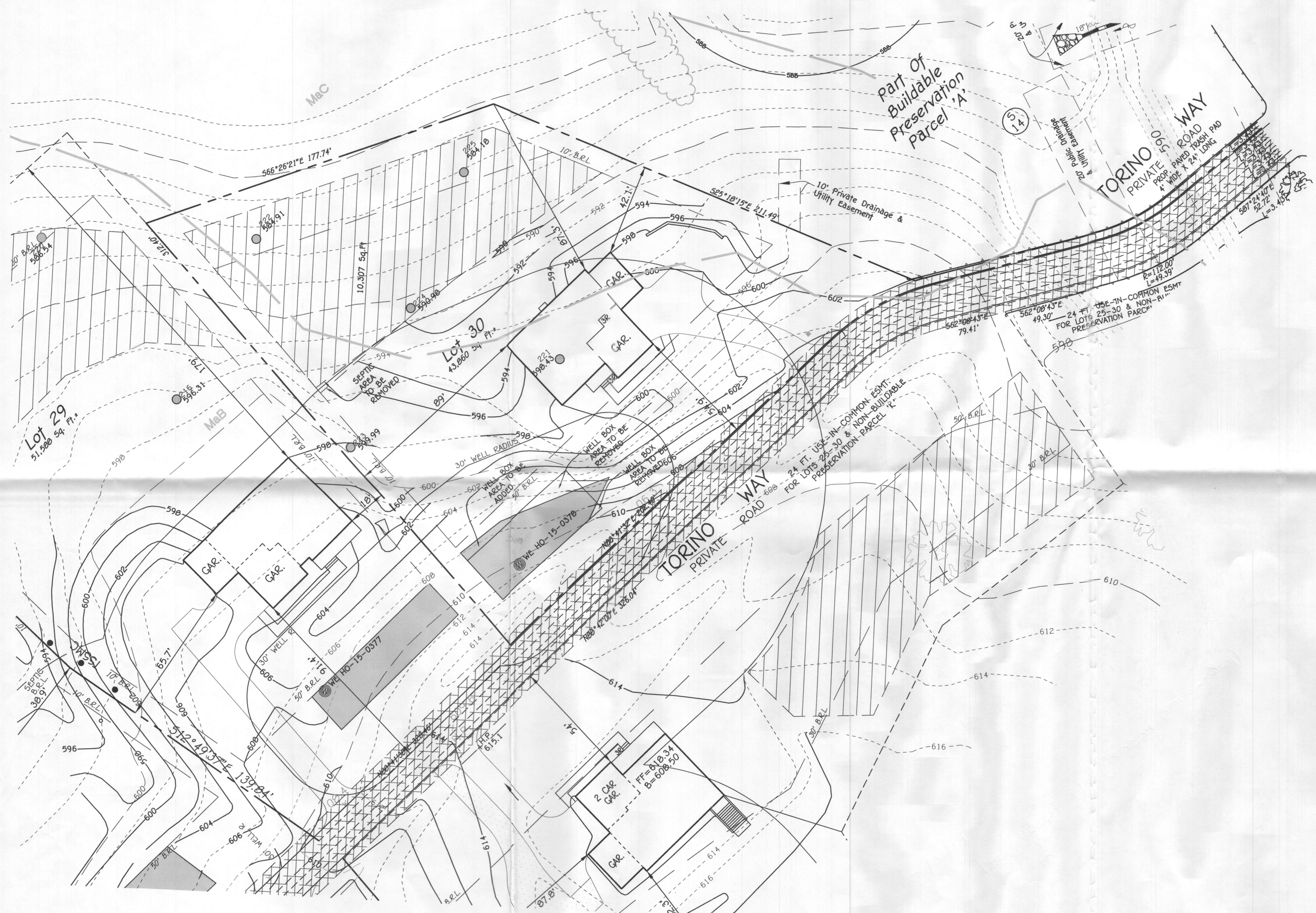
Standard design requirements:

- 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'

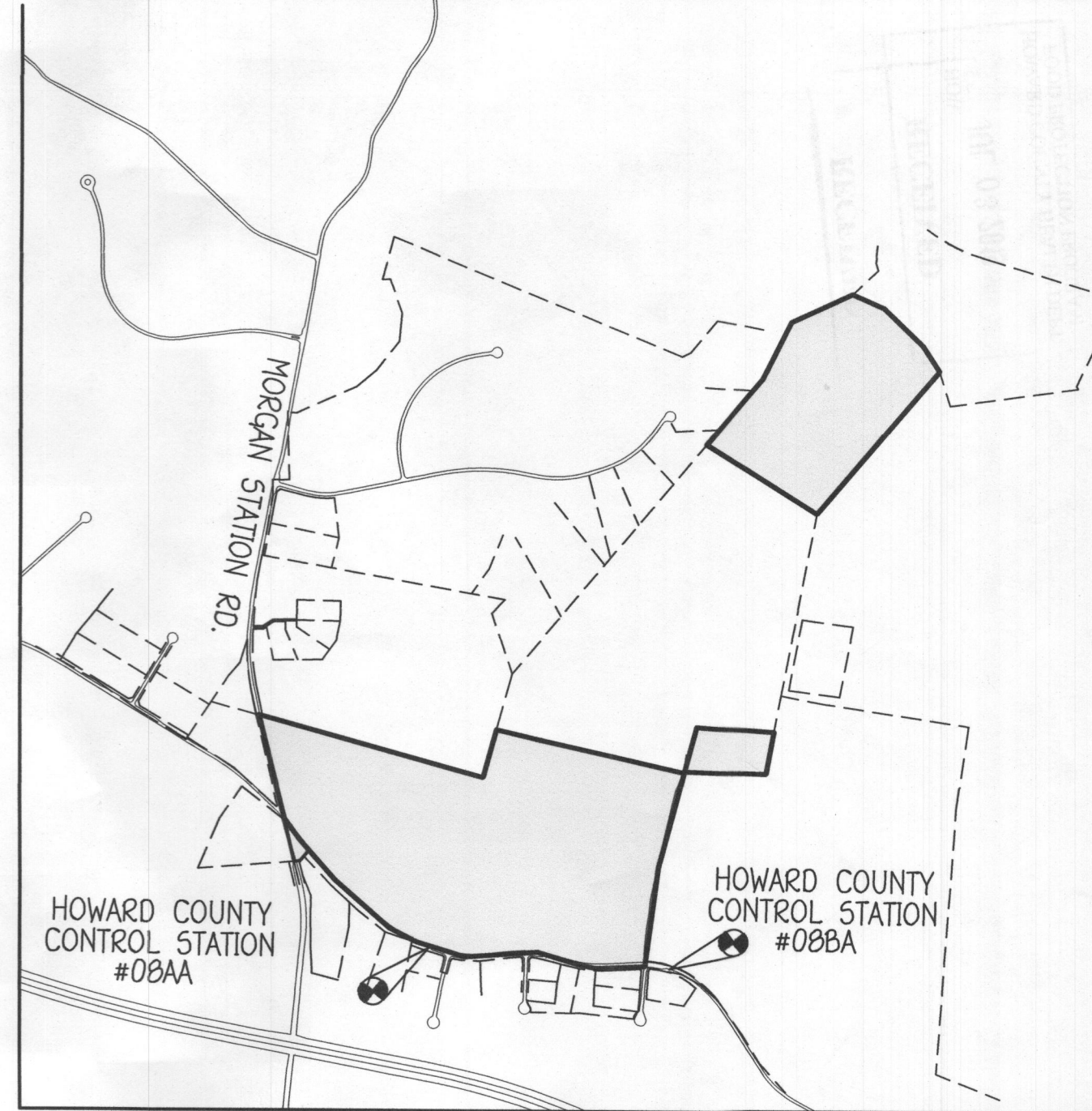
Additional requirements:

Approved: Hank Oswald Date: 1/21/18





- LEGEND**
- EXISTING 2' CONTOURS
  - EXISTING 10' CONTOURS
  - - - EXISTING TREE LINE
  - MIC3 SOIL LINES AND TYPES
  - MIB2
  - PERC DENOTES PASSED PERC
  - DENOTES PROPOSED HOUSE
  - DENOTES 25% AND GREATER SLOPE
  - DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE

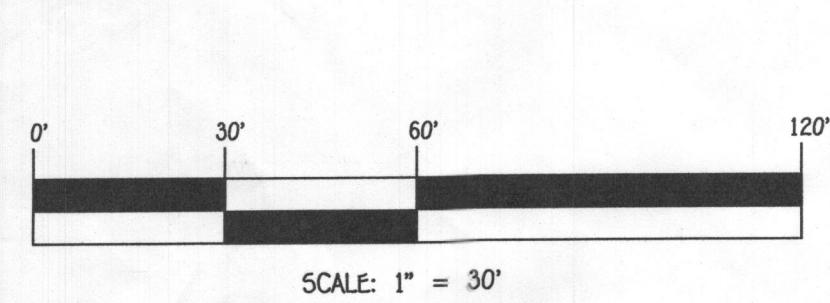


**VICINITY MAP**  
SCALE: 1" = 1200'

- GENERAL NOTES:**
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 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 EASEMENTS 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 EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
  - ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
  - 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 AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
  - ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
  - TOPOGRAPHY SHOWN IS FROM HARFORD AERIAL CONTOUR MAPPING FLOWN ON JANUARY, 2006 WITH FIELD SURVEYED VERIFICATION ON VERTICAL ELEVATIONS ON PERC TEST LOCATIONS.
  - BOUNDARY IS BASED ON FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT APRIL 4, 2013 BY FISHER, COLLINS AND CARTER, INC.
  - PLAT REFERENCE 24867 THRU 24372.

SOILS LEGEND		
SOIL	NAME	CLASS
MaB	Manor loam, 3 to 8 percent slopes	B
MaC	Manor loam, 8 to 15 percent slopes	B

SOIL TYPES TAKEN FROM MAP 19 OF THE SOIL SURVEY OF HOWARD COUNTY, MARYLAND FOUND ON THE HSCD WEBSITE.



**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 21046  
(410) 481-2895

**OWNER/DEVELOPER**  
RV HOMES  
9720 PATUXENT WOODS DRIVE  
COLUMBIA, MD 21046  
410-379-5956

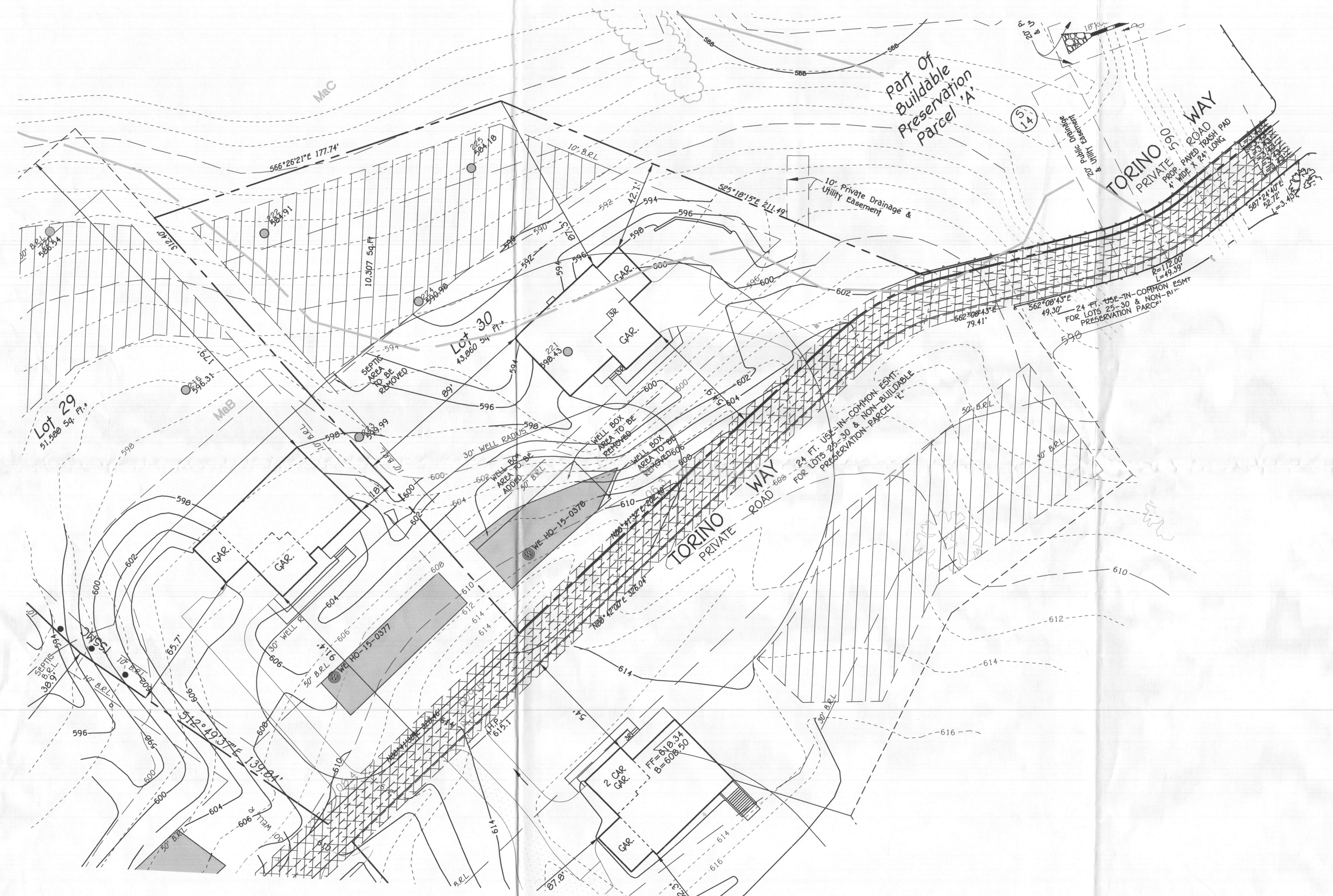
**PERC CERTIFICATION**  
I certify that the locations shown on this plan are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.  
*Terrell A. Fisher*  
Signature of Professional Land Surveyor  
Terrell A. Fisher, Professional Land Surveyor No. 10692 Expires 12/13/19  
7/3/19 Date

THE PURPOSE OF THIS PLAN IS TO REVISE THE SEPTIC AREA TO REMOVE A SMALL CORNER AND TO ADJUST THE WELL BOX

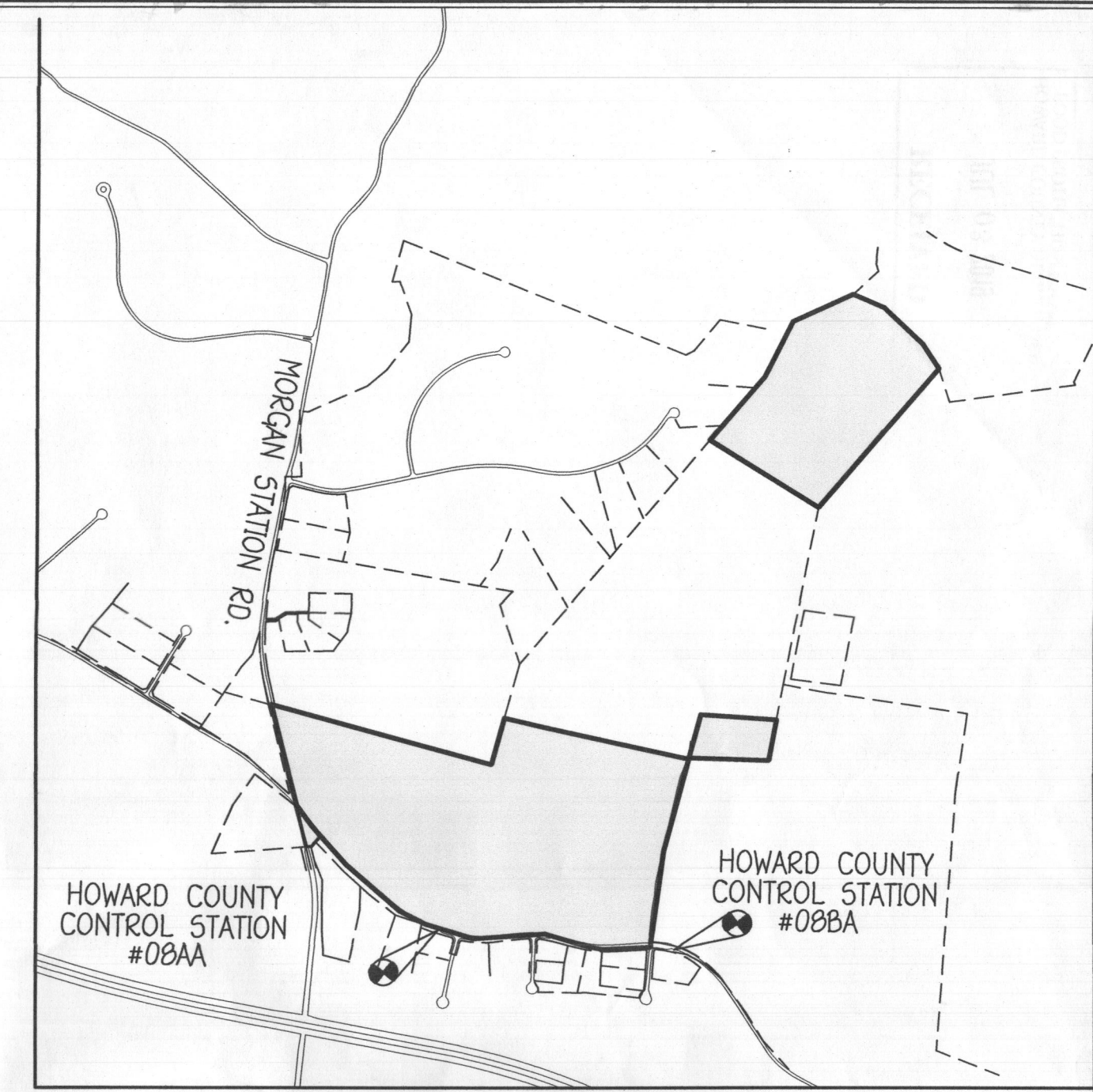
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.  
*Maureen Rozman*  
Signature of County Health Officer  
COUNTY HEALTH OFFICER M.O.  
7/16/2019 Date

**PERC RECERTIFICATION PLAT**  
**LOT 30**  
15204 TORINO WAY  
**FAIRLANE FARMS**  
PHASE TWO  
ZONED: RC-DEO  
TAX MAP NO.: 8 GRID NO.: 2 PARCEL NO.: 8  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=30' DATE: JULY. 3, 2019  
SHEET 1 OF 1





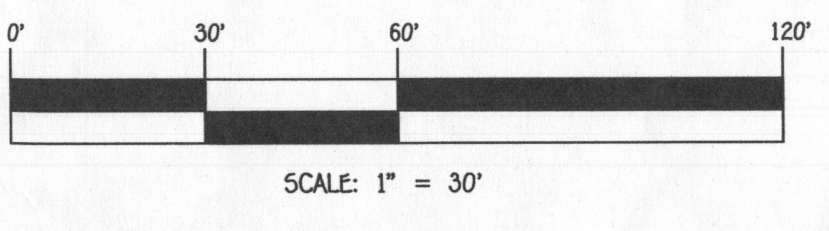
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  5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
  6. TOPOGRAPHY SHOWN IS FROM HARFORD AERIAL CONTOUR MAPPING FLOWN ON JANUARY, 2006 WITH FIELD SURVEYED VERIFICATION ON VERTICAL ELEVATIONS ON PERC TEST LOCATIONS.
  7. BOUNDARY IS BASED ON FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT APRIL 4, 2013 BY FISHER, COLLINS AND CARTER, INC.
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Signature of Professional Land Surveyor  
Terrell A. Fisher, Professional Land Surveyor No. 10692 Expires 12/13/19  
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**APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.**  
*William A. Maurer, County Health Officer*  
Signature of County Health Officer  
COUNTY HEALTH OFFICER H.O. *Wm*  
DATE 7/16/2019

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