

APPLICATION

PERCOLATION TESTING

A 518016

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 12/4/2002

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER GEORGE W. HILL & SANDRA E. HILL

ADDRESS 12435 S. LIME KILN ROAD PHONE (301) 776-8360

FULTON, MD 20759

AGENT OR PROSPECTIVE BUYER MILDENBERG, BOENDER & ASSOC, INC.

ADDRESS 5072 DORSEY HALL DR, SUITE 202 PHONE (410) 997-0296
ELLICOTT CITY, MD 21042

PROPERTY LOCATION:

SUBDIVISION HILL PROPERTY (FORMERLY ZIMMERMAN PROPERTY) LOT NO. 1

ROAD AND DESCRIPTION ALONG SOUTHWEST SIDE OF LIME KILN ROAD
JUST BEYOND BROOKWOOD FARM ROAD AND BEFORE
MARLOW ROAD

TAX MAP 45 PARCEL # 59

SIZE OF LOT 3.0 AC TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Stephanie Demchik
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

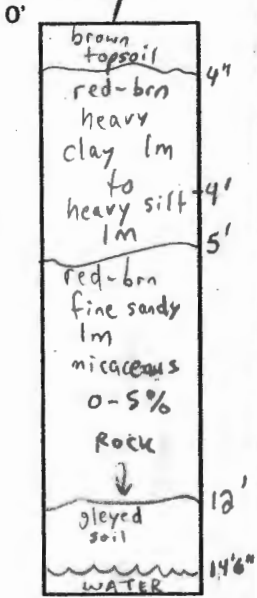
THIS IS NOT A PERMIT

518016

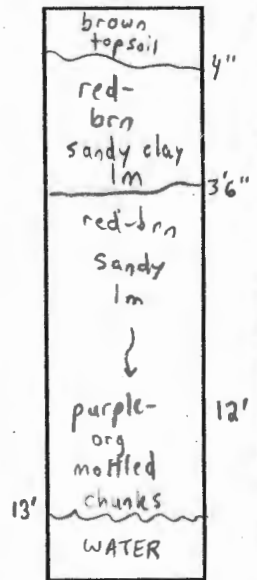
NOT TO SCALE

COUNTY #

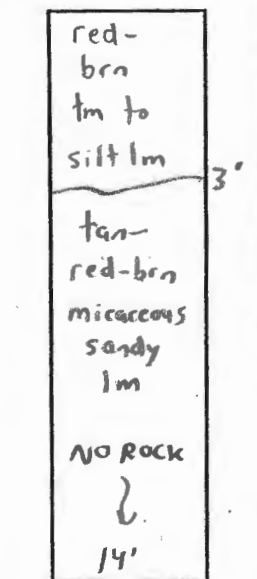
SOIL PROFILE



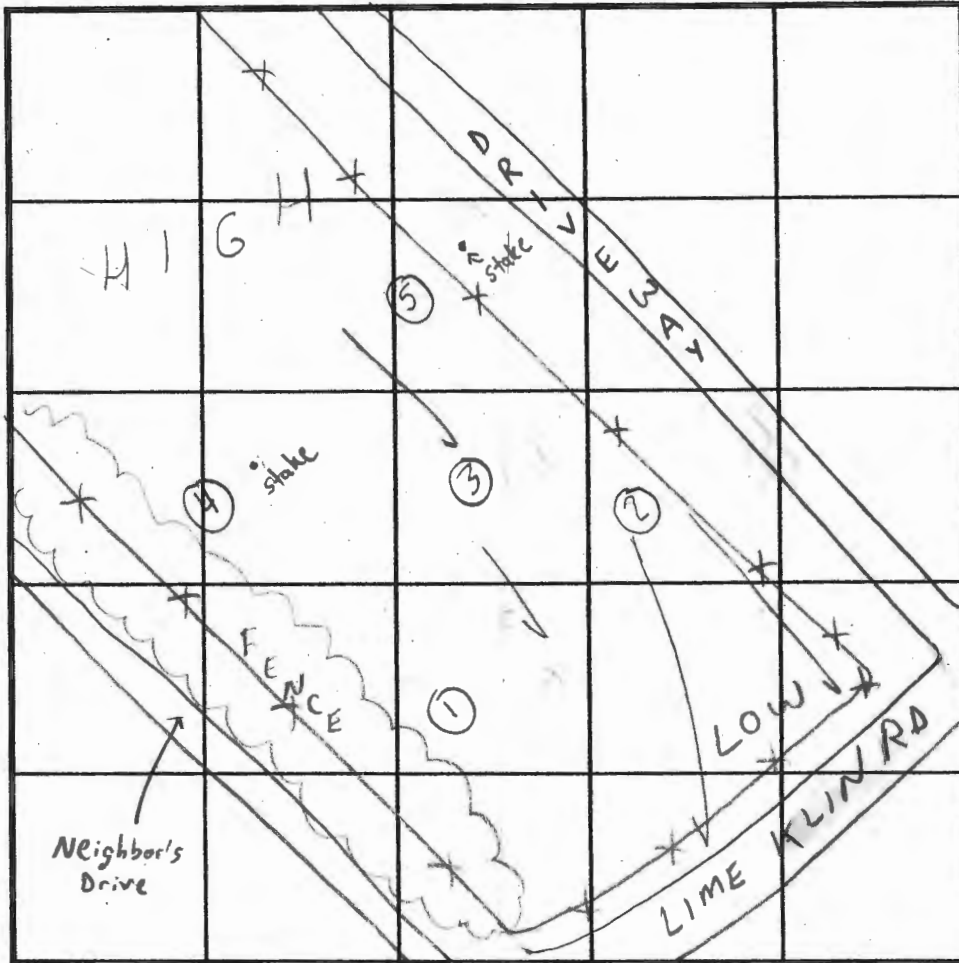
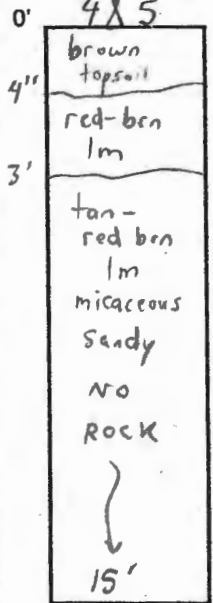
2



3



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/19/03	1	6'5" T / 12' V	10:58am	11:06am	11:06am	11:16am	10min	OK
	2	6'5" T / 13' V	11:30am	11:36am	11:36am	11:47am	11min	M*
	3	14' V	(VISUAL OK SEE SOIL PROFILE)				NA	OK
	4	5'6" T / 15'4" V	12:00pm	12:05pm	12:05pm	12:10pm	5min	OK
	5	5' T / 15' V	12:10pm	12:12pm	12:12pm	12:15pm	3min	OK

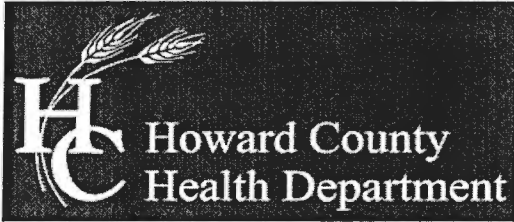
REMARKS * Adjust proposed SDA uphill on perc certification plea

TYPE OF SOIL Eliok - Holes 485 not excavated per stakes but close

TESTED BY SRK Backhoe { Robert Fyock / Mike Skipper } ALSO PRESENT Guy Caiazzo = { Builder / Sherri Maisel = }

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH 3'

INLET DEPTH 4.5 MAXIMUM BOTTOM DEPTH 6.5 SQ. FT/BEDROOM _____



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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: Lime Kiln Road

Subdivision: Hill Property Lot: 1

Initial system: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 8

1st Replacement: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 8

2nd Replacement: Application rate: 0.8 Effective area beginning depth: 5 Bottom maximum depth: 7

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:

~~BAT unit~~

Approved: R. Bueker

Date: 3/29/2016

LOT 8
HILL PROPERTY
PLAT No. 24085
ZONED: RR-DEO

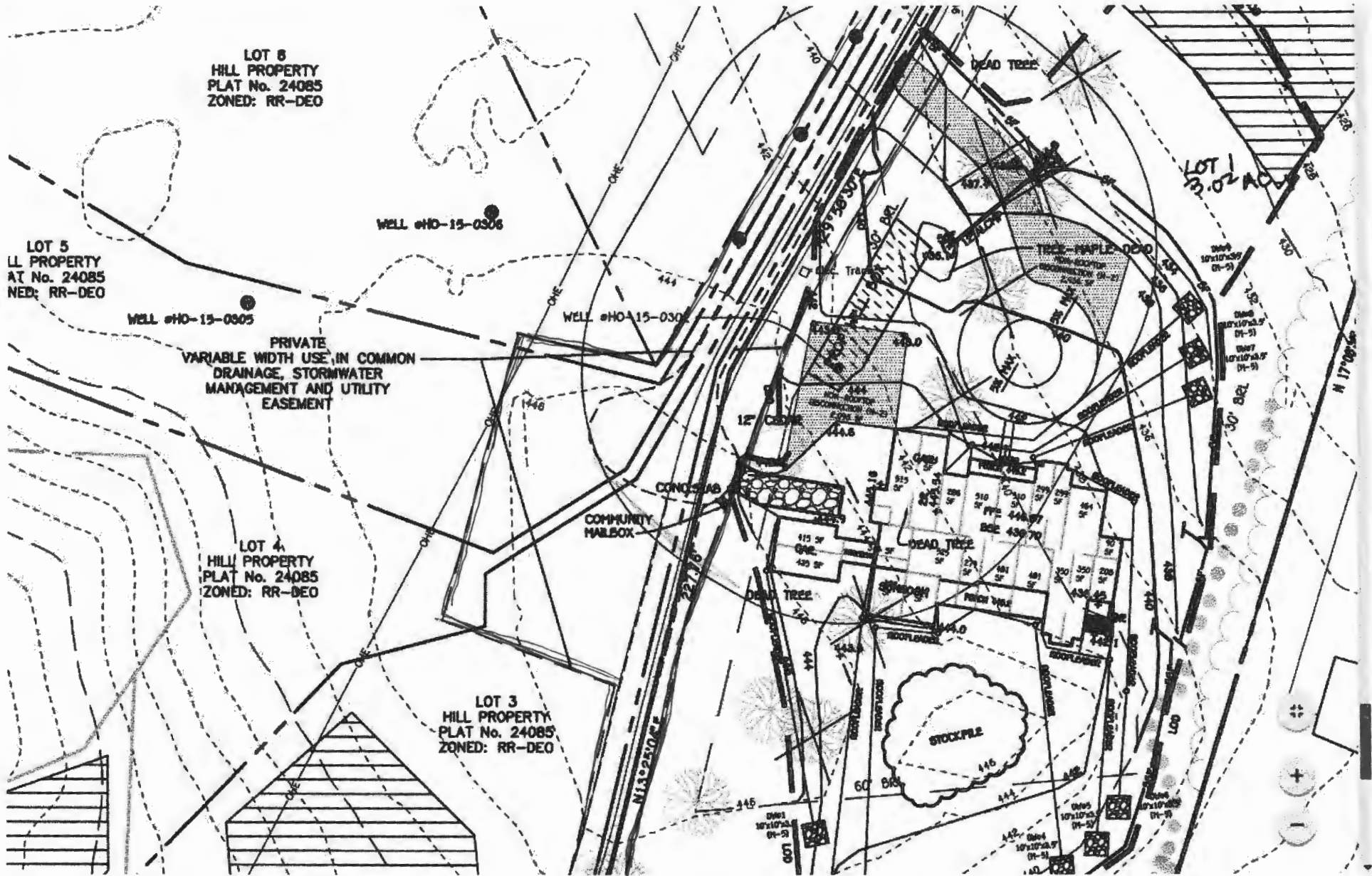
LOT 5
LL PROPERTY
AT No. 24085
NEB: RR-DEO

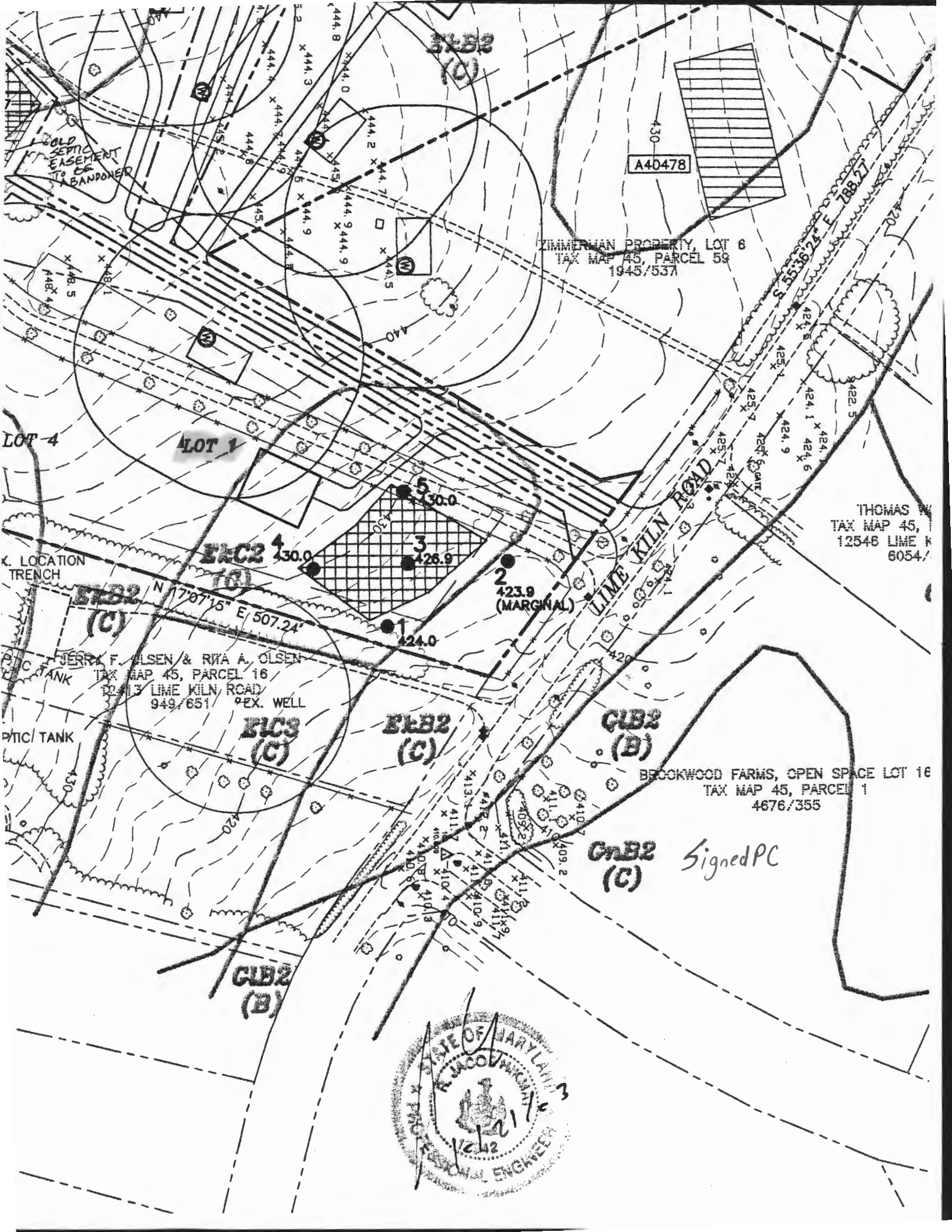
WELL #HO-15-0305

PRIVATE
VARIABLE WIDTH USE, IN COMMON
DRAINAGE, STORMWATER
MANAGEMENT AND UTILITY
EASEMENT

LOT 4
HILL PROPERTY
PLAT No. 24085
ZONED: RR-DEO

LOT 3
HILL PROPERTY
PLAT No. 24085
ZONED: RR-DEO





A40478

ZIMMERMAN PROPERTY, LOT 6
 TAX MAP 45, PARCEL 59
 1945/537

THOMAS W.
 TAX MAP 45,
 12546 LIME K
 6054.7

BROOKWOOD FARMS, OPEN SPACE LOT 16
 TAX MAP 45, PARCEL 1
 4676/355

Signed PC



LOT 1

LOT 4

EAC2
 (C)

EEB2
 (C)

CLB2
 (B)

CnB2
 (C)

CLB2
 (B)

2
 423.9
 (MARGINAL)

1
 424.0

5
 430.0

3
 426.9

N 17°07'15" E 507.24'

JERRA F. OLSEN & RYA A. OLSEN
 TAX MAP 45, PARCEL 16
 12546 LIME KILN ROAD
 949/651 PEX. WELL

EIC3
 (C)

LOCATION TRENCH

P/T/C TANK

P/T/C TANK

OLD SEPTIC
 EASEMENT
 TO BE
 ABANDONED

LIME KILN ROAD

188.7

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

Date: July 9, 2018

TO: Tony Fertitta.
Fisher, Collins & Carter, Inc.

FROM: Robert Bricker, REHS/R.S., L.E.H.S.
Environmental Sanitarian II, Well and Septic Program

RE: Hill Property - Lot 1, Percolation Certification Plan revision, comments

The following issues were noted during review of the submitted plan:

1. Expand on the Purpose Statement, e.g., '...to accommodate the proposed foundation location'.
2. Use Legend entries to explain the symbols used for 'Proposed Well Box' and 'Abandoned Well Box'.
3. The 'Proposed Well Box' encroaches on the 10-ft setback to the driveway. Reconfigure the Proposed Well Box so that the existing well is near an end or in a corner.
4. Include on the plan the soil map unit. If the entire lot is within only one soil map unit, place the label on the plan and explain it in the LEGEND. Alternatively, a note may be used to state that the entire lot is within a specific (symbol) soil map unit.
5. In LEGEND,
 - a. Delete the entry for tree line, as none are illustrated
 - b. Complete the entry for soil line or type
6. In Notes 1, 2, 4 and 8, replace all occurrences of the terms "EASEMENT" or "EASEMENTS" with the terms 'AREA' or 'AREAS', respectively.
7. Add this Note:

THE EXISTING WELL MUST BE PROTECTED DURING CONSTRUCTION ACTIVITIES. HIGHLY VISIBLE NETTED FENCE IS RECOMMENDED. THE HEALTH DEPARTMENT MAY CONSIDER APPROVAL OF ANY SUBSEQUENT BUILDING PERMIT PROPOSAL FOR LOT 1 ONLY AFTER A HEALTH DEPARTMENT INSPECTOR OBSERVES THAT A TEMPORARY PROTECTIVE FENCE HAS BEEN PLACED AROUND THE EXISTING WELL.

RB
Copy: Stephanie Tuitte, P.E., Fisher, Collins & Carter, Inc.
file

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

**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

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

Transmittal

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 Boulevard
Columbia, MD 21046-4544

Attn: **Robert**
Fax: **(410) 313-2648**
Phone: **(410) 313-2640**

From: **Tony Fertitta**

CC:

Re: **HILL PROPERTY**

W.O.# **05062-6001**

Date: **July 20, 2018**

Pages: **3** **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:

Robert:

Enclosed please find Two (2) prints of the drawing entitled " Perc Certification Plan " dated July 20, 2018. If we may be of any further assistance, please do not hesitate to call.

Very truly yours,

Tony Fertitta

CONFIDENTIALITY NOTICE

This transmission contains confidential information which may be legally privileged, and is intended only for the use of the individual named above. If you are not the intended recipient, you are hereby notified that any distribution (except to the intended recipient), copying, or disclosure of this transmission is strictly prohibited.

**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.
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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 Boulevard Columbia, MD 21046-4544	Attn: Robert Fax: (410) 313-2648 Phone: (410) 313-2640
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From: Tony Fertitta	CC:
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Re: HILL PROPERTY	W.O.# 05062-6001
Date: July 2, 2018	Pages: 3 Page(s) Including this cover

We are forwarding:	<input checked="" type="checkbox"/> Prints	<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Specifications	<input type="checkbox"/> Shop drawings	<input type="checkbox"/> Other
	<input type="checkbox"/> Urgent	<input type="checkbox"/> For your use	<input type="checkbox"/> As requested	<input type="checkbox"/> For Review & Comment	

Remarks:

Robert:

Enclosed please find Two (2) prints of the drawing entitled " Perc Certification Plan " dated June 29, 2018. If we may be of any further assistance, please do not hesitate to call.

Very truly yours,

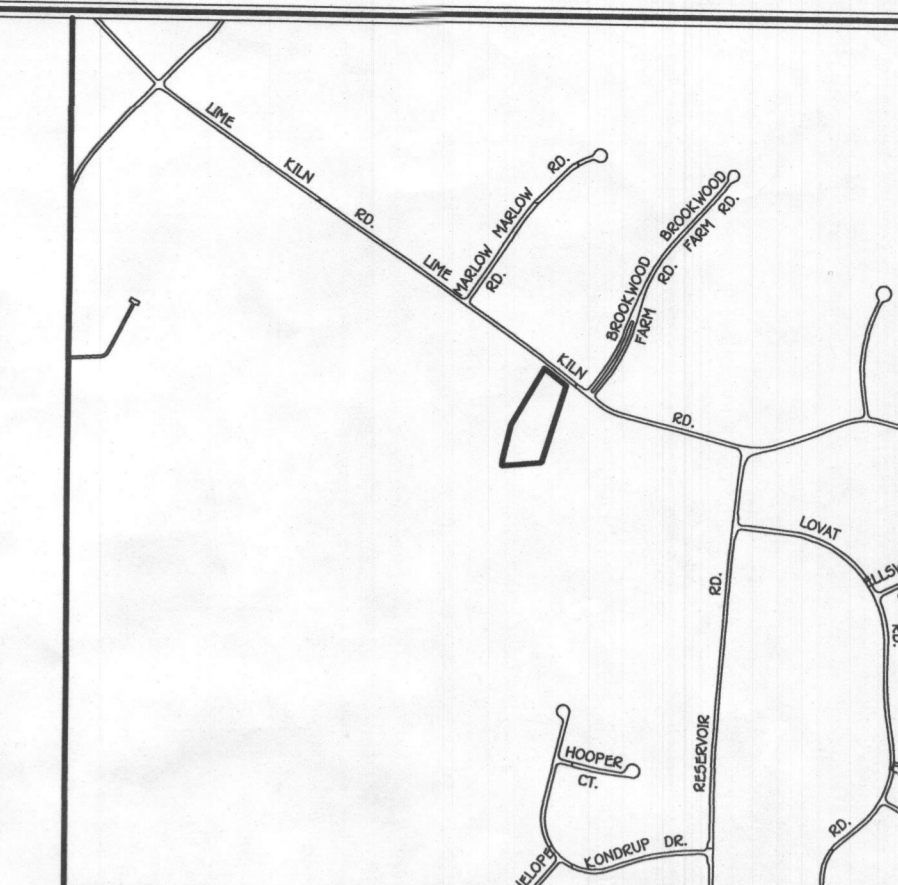
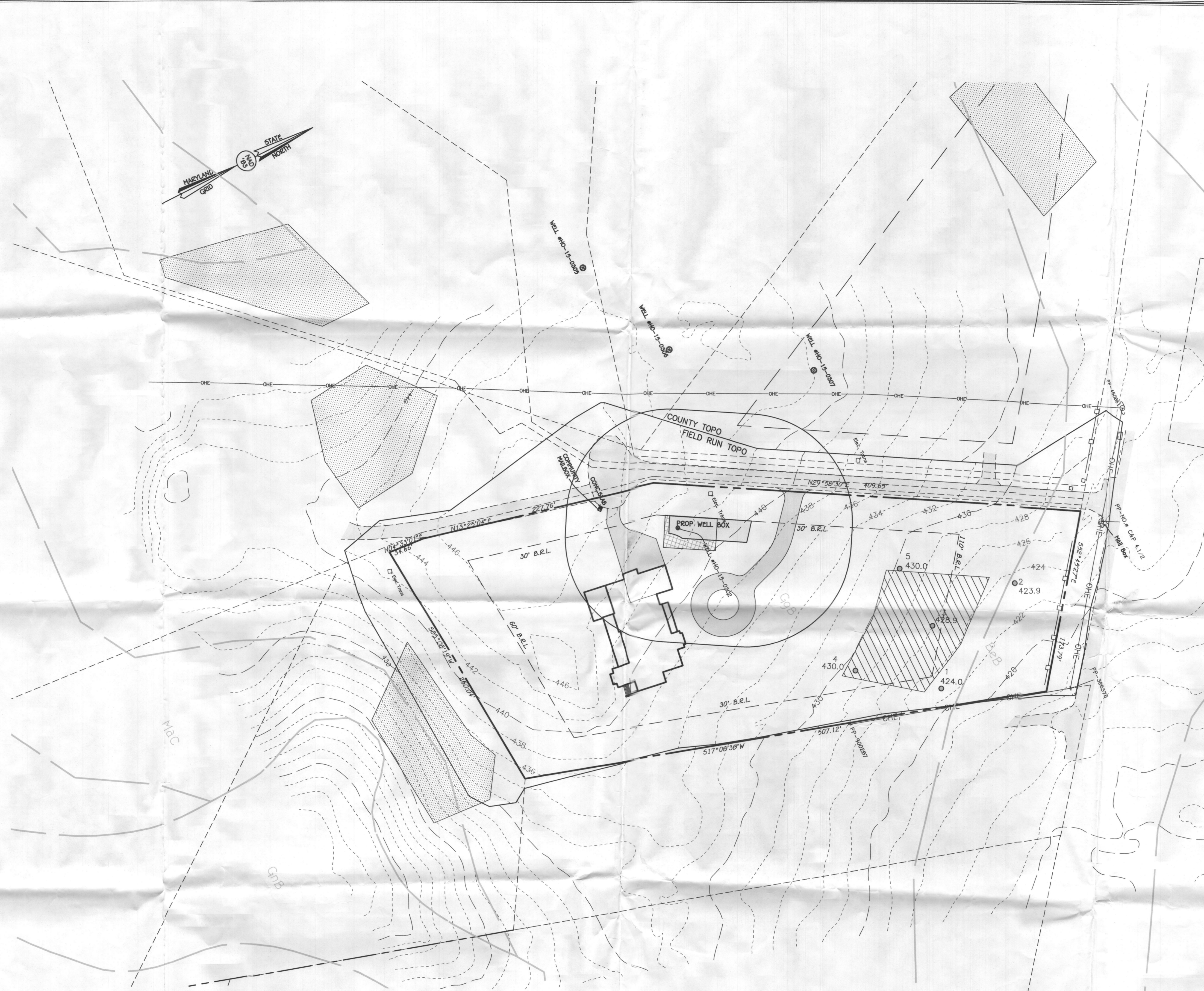
Tony Fertitta

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LEGEND

- EXISTING 2' CONTOURS
- - - EXISTING 10' CONTOURS
- CLBZ
MLCZ SOIL LINES AND TYPES
- DENOTES 1500 Sq.Ft. PROPOSED ALTERNATE WELL SITE
- DENOTES PASSED PERC
- DENOTES EXISTING SEPTIC
- ⊗ DENOTES WELL SITE TO BE REMOVED



VICINITY MAP
SCALE : 1" = 1200'

GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE AREA OF AT LEAST 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 AREA. RECODIFICATION OF A MODIFIED SEWERAGE AREA SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS AND/OR SEWERAGE AREAS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN IS FIELD RUN BY FISHER, COLLINS & CARTER, INC.
7. BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
8. ANY CHANGES TO A PRIVATE SEWERAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
9. PLAT REFERENCE 240B9.
10. THE EXISTING WELL MUST BE PROTECTED DURING CONSTRUCTION ACTIVITIES. HIGHLY VISIBLE NETTED FENCE IS RECOMMENDED. THE HEALTH DEPARTMENT MAY CONSIDER APPROVAL OF ANY SUBSEQUENT BUILDING PERMIT PROPOSAL FOR LOT 1 ONLY AFTER A HEALTH DEPARTMENT INSPECTOR OBSERVES THAT A TEMPORARY PROTECTIVE FENCE HAS BEEN PLACED AROUND THE EXISTING WELL.

THE PURPOSE FOR THIS PERC REVISION IS TO REVISE THE WELL BOX LOCATION TO ACCOMMODATE THE PROPOSED FOUNDATION

PERC CERTIFICATION
I certify that the locations shown herein are based 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. 10992 Expires 12/13/19

Date: 7/20/18

SOILS LEGEND		
SOIL	NAME	CLASS
BeB	Benevolis silt loam, 3 to 8 percent slopes	B
GgB	Glenelg loam, 3 to 8 percent slopes	B
GnB	Glenville-Baile silt loams, 0 to 8 percent slopes	C
MaC	Manor loam, 0 to 15 percent slopes	B

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

Signature of County Health Officer: *Maureen Rossman*
Maureen Rossman, County Health Officer

Date: 8/2/2018

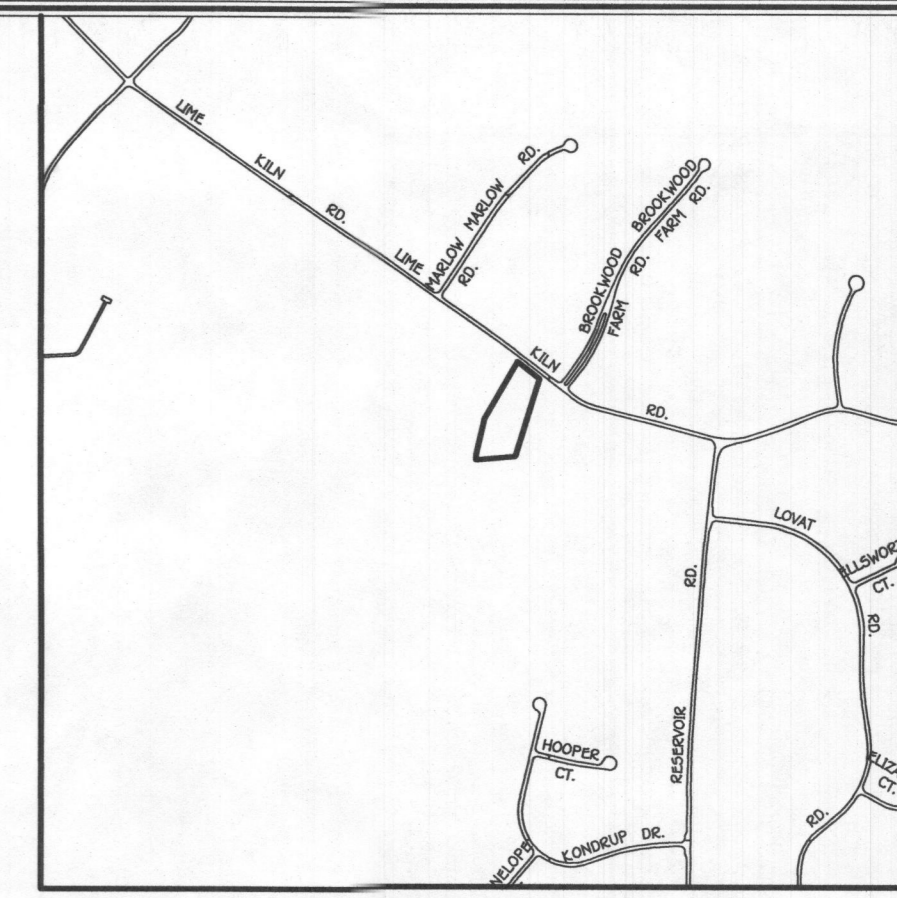
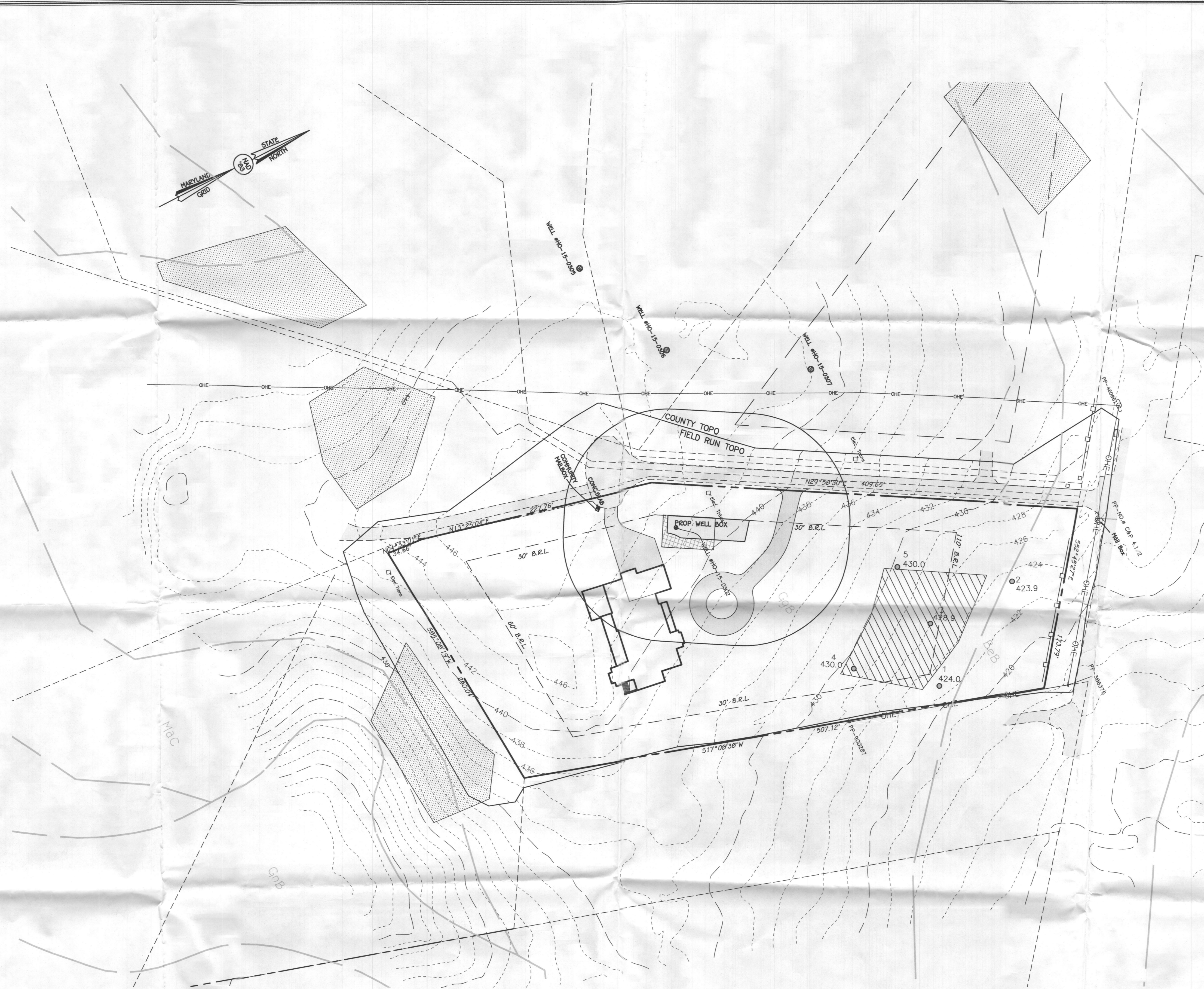
PERC RECERTIFICATION PLAN
HILL PROPERTY
LOT 1

TAX MAP #45 GRID: 5 PARCEL: 59
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=50' DATE: JULY 20, 2018

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461-2295

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- CLB2
MLC2 SOIL LINES AND TYPES
- DENOTES 1500 Sq.Ft. PROPOSED ALTERNATE WELL SITE
- DENOTES PASSED PERC
- DENOTES EXISTING SEPTIC
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9. PLAT REFERENCE 24085.
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PERC CERTIFICATION
I certify that the locations shown herein 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, License No. 10087 Expires 12/13/14
7/20/18
Date

SOILS LEGEND		
SOIL	NAME	CLASS
BeB	Benevolá silt loam, 3 to 8 percent slopes	B
GgB	Glenelig loam, 3 to 8 percent slopes	B
GnB	Glenville-Báile silt loams, 0 to 8 percent slopes	C
MáC	Manor loam, 8 to 15 percent slopes	B

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

Maura Rosman
Signature of Maura Rosman
COUNTY HEALTH OFFICER
8/2/2018
DATE

PERC RECERTIFICATION PLAN
HILL PROPERTY
LOT 1

TAX MAP #45 GRID: 5 PARCEL: 59
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=50' DATE: JULY 20, 2018