



HOWARD COUNTY HEALTH DEPARTMENT

55809

A5

DATE
4/14/15

Received
From

Stanley Miller

PHONE #

410 489-7392

For

Per app/ Miller Farm
lot 2

CASH

CHECK

NO. 429

Five hundred six 00 Dollars

\$ 500.00

Received By

G King



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 555809

AGENCY REVIEW: _____

DATE 4-14-15

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 4 Bed. 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) Miller Family Trust

DAYTIME PHONE 410-489-7392 CELL WA FAX 410 489-7392

MAILING ADDRESS 10217 Frederick Rd, Woodbine, Md. 21797
STREET CITY/TOWN STATE ZIP

APPLICANT Miller Family Trust

DAYTIME PHONE same CELL _____ FAX _____

MAILING ADDRESS same
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION SUBDIVISION/PROPERTY NAME Lot 12 Stanley B. Miller Prop. LOT NO. 12

PROPERTY ADDRESS Frederick Rd. Woodbine, Md. 21797
STREET TOWN/POST OFFICE

PH Book 3721

TAX MAP PAGE(S) 7 GRID 10 PARCEL(S) 467 PROPOSED LOT SIZE 5 Acs.

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.

Stanley B. Miller
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
 7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

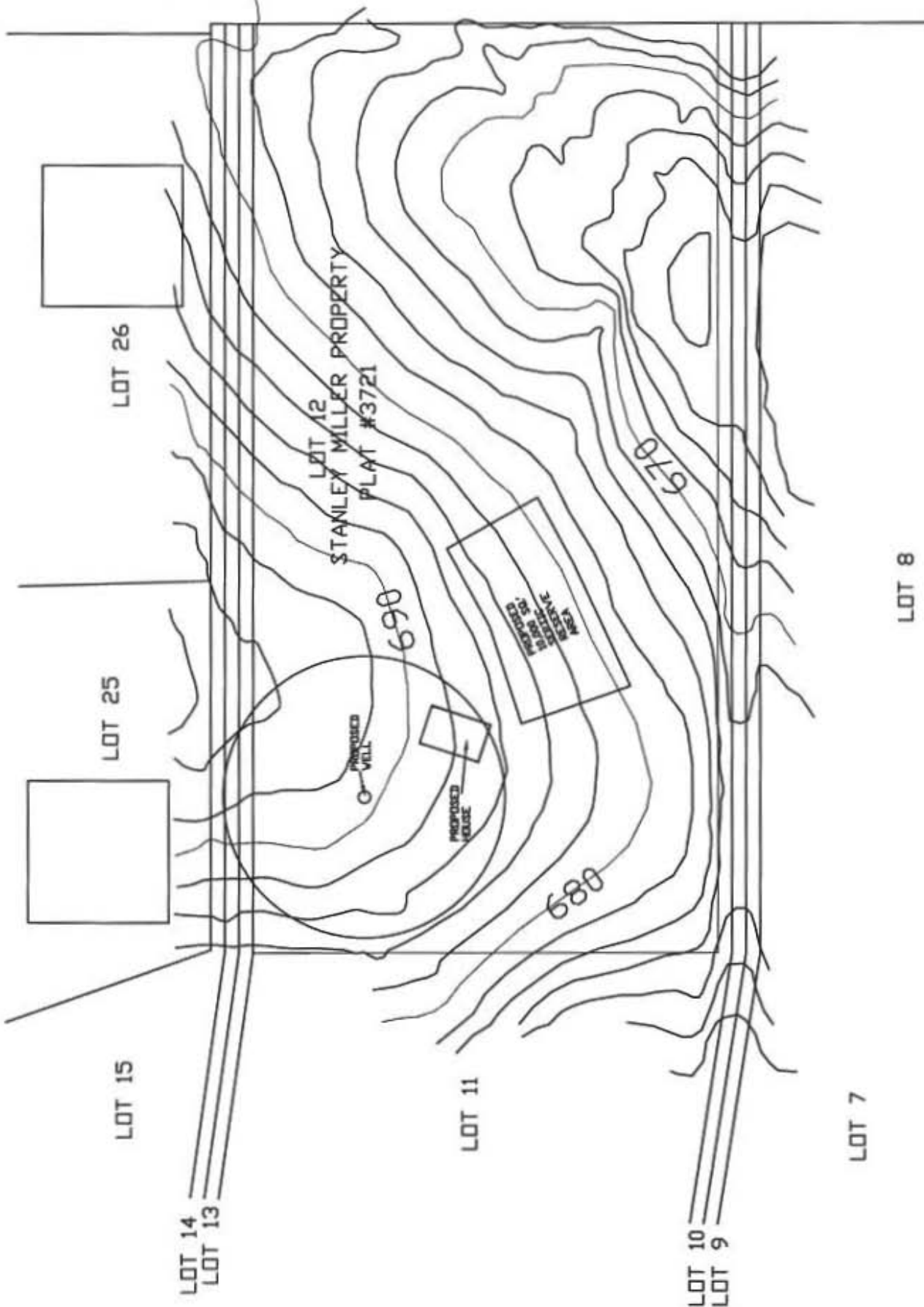
HD-216 (2/03)

PLEASE SUBMIT ORIGINALS ONLY (BY MAIL OR IN PERSON)

16459 Rt 44

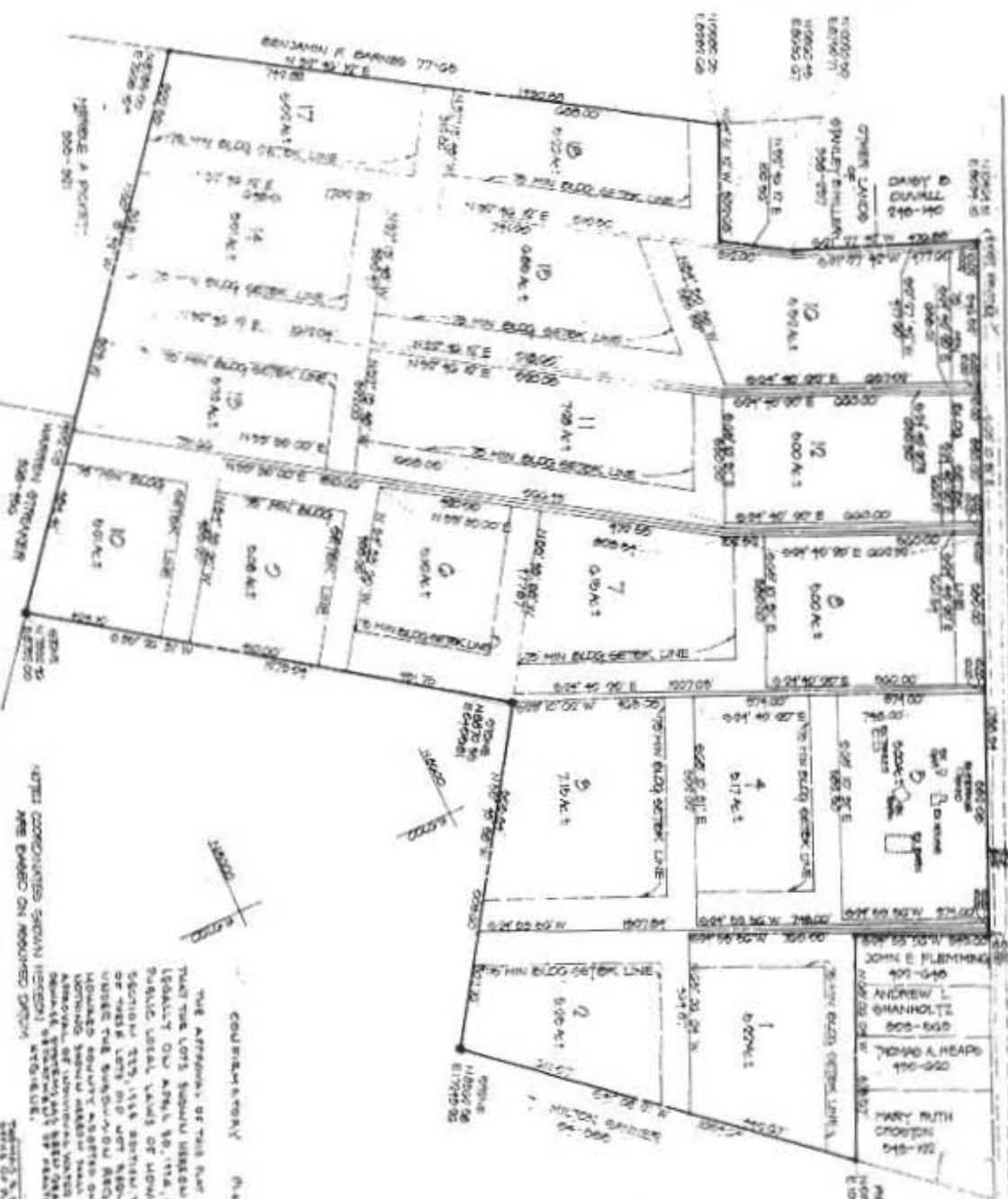
16457 ID
Frederick Rd

MARYLAND ROUTE 144



PERCOLATION CONCEPT PLAN





- GENERAL NOTES**
1. EXISTING ZONING OR TRACT - R-1-C
 2. ALL LOTS ARE 5 ACRES MINIMUM
 3. PROPOSED USE OF LOTS - B
 4. MINIMUM ROAD WIDEN - 50 FT
 5. MINIMUM ROAD YIELD - 20 FT
 6. MINIMUM ROAD WIDTH - 20 FT
 7. THE LOTS SHOWN HEREIN COMPLY WITH MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPT. OF NATURAL RESOURCES.
 8. TOTAL AREA - 107.50 AC.

FILED JUN 17 1977
 Received for Transfer
 HOWARD COUNTY
 Stanley Miller
 Transfer Clerk
 Dan Slitzer P.M.

A SUBDIVISION PLAN
 OF
 STANLEY MILLER PROPERTY
 ELECTION DISTRICT 184 HOWARD CO MARYLAND
 SCALE 1"=500' APRIL 20, 1977

OWNER & DEVELOPER:
 STANLEY B. MILLER
 10300 EAGLE HAVEN RD
 WOODBRIDGE MARYLAND 21797
 481-14810

OWNERS CERTIFICATE

I, Stanley B. Miller, owner of the property shown and described herein, hereby certify that the plan of subdivision shown herein and its modification as shown on the attached sheets, as shown on the attached sheets, and as shown on the attached sheets, are in compliance with the provisions of the Maryland Subdivision Control Act, and that the plan of subdivision is in compliance with the provisions of the Maryland Subdivision Control Act, and that the plan of subdivision is in compliance with the provisions of the Maryland Subdivision Control Act.

OWNER'S CERTIFICATE

I, Stanley B. Miller, owner of the property shown and described herein, hereby certify that the plan of subdivision shown herein and its modification as shown on the attached sheets, as shown on the attached sheets, and as shown on the attached sheets, are in compliance with the provisions of the Maryland Subdivision Control Act, and that the plan of subdivision is in compliance with the provisions of the Maryland Subdivision Control Act, and that the plan of subdivision is in compliance with the provisions of the Maryland Subdivision Control Act.



FILED JUN 17 1977

PREPARED BY:
 HODKINS ASSOCIATES INC.
 CIVIL ENGINEERS-LAND SURVEYORS
 SUITE 201 - JOSEPH SQUARE
 COLUMBIA, MARYLAND 2104

Muller Family Trust
A555809

A/P _____

208

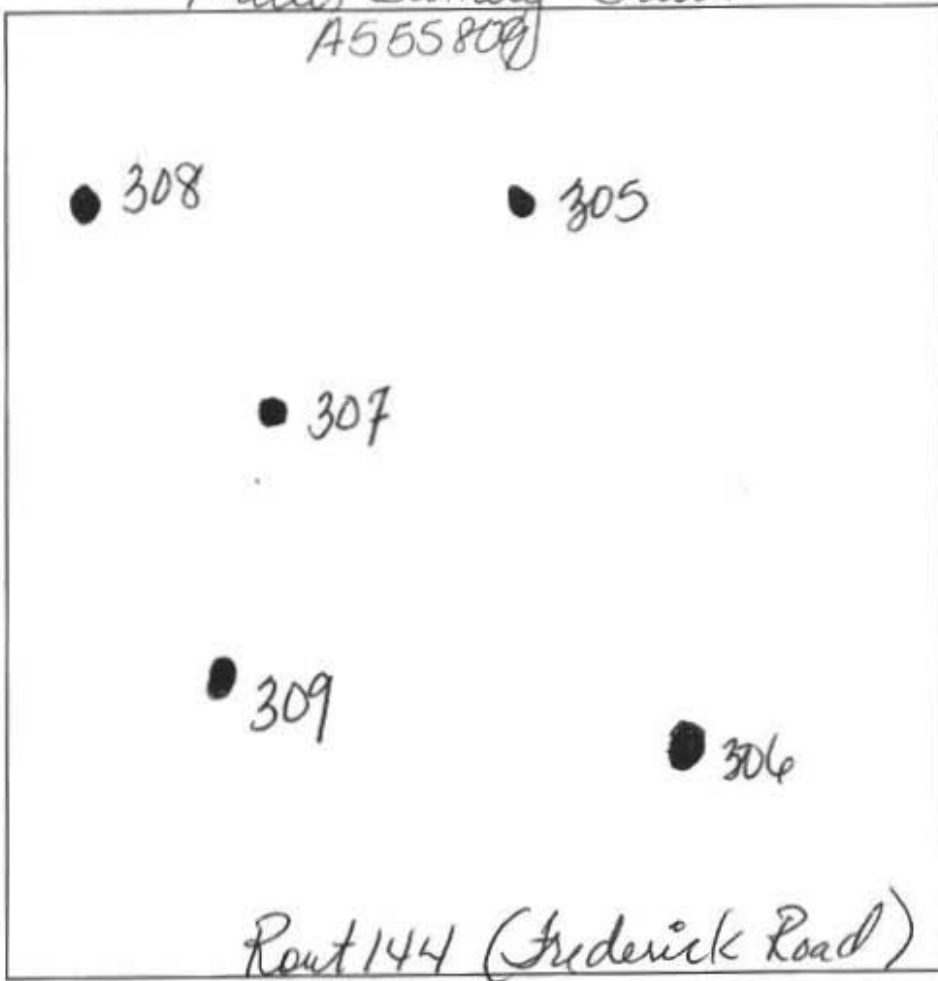
Red Brown
yellow
SL
2'
Red Brown
yellow
SL
silty
10-20%
RU
↓
11.3

209

Red Brown
yellow
SL
2'
Red Brown
yellow
Silty
SL
5-10%
Shale
↓
11.3

207

Red Brown
yellow
SL
2'
Red Brown
yellow
SL
5-10%
Shale
mia
↓
11.3



206
Red Brown
yellow
SL
5-10%
RU
3

Red Brown
yellow
10-20%
Shale
SL
mia
11.2

205

Red Brown
yellow
SL
2'
Red Brown
yellow
SL
Silty
20-30%
RU
↓
10'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5-5-15	208	3 / 11.3	10:26	10:29	10:34	5min	P
5-5-15	209	4 / 11.2	10:38	10:41	10:44	3min	P
5-5-15	207	4 / 11.3	10:42	10:44	10:47	3min	P
5-5-15	206	4 / 11.2	10:46	10:54	11:04	10min	P
5-5-15	205	3 / 10	10:51	10:56	11:03	5min	P

REMARKS _____
 SANITARIAN Bernard BACKHOE Level Land OTHERS Property Owner
 TEST HOLES USED IN SDA 5 AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH 3-5 MAX. BOT DEPTH 8 EFFECTIVE SW _____



Bureau of Environmental Health

8930 Stanford Blvd., 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](https://twitter.com/HowardCoHealthDep)

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

Date: May 5, 2015

To: Miller Family Trust
C/O Stanley B. Miller Jr.
16217 Frederick Road
Woodbine, Maryland 21797

RE: **Percolation Testing Report**
Route 144, Frederick Road,
Tax Map:7, Parcel 467

Mr. Miller,

Percolation testing was conducted on the referenced property on May 5, 2015. The purpose for conducting these percolation tests was for an anticipated establishment of one (1) new sewage disposal area.

A total of five (5) test holes were evaluated and five (5) were found to be satisfactory with moderate percolation rates. Acceptable ranges for recommended inlet and trench bottom depth may be confirmed at the time of installation. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

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 a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drain field and two repair drain fields for the planned residence. And as of January 1, 2013, all new septic installation must be installed with the "Best Available Technology".

The next step in this process is to have your engineer/architect submit a Percolation Certification Plan to confirm the design of the septic reserve area. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

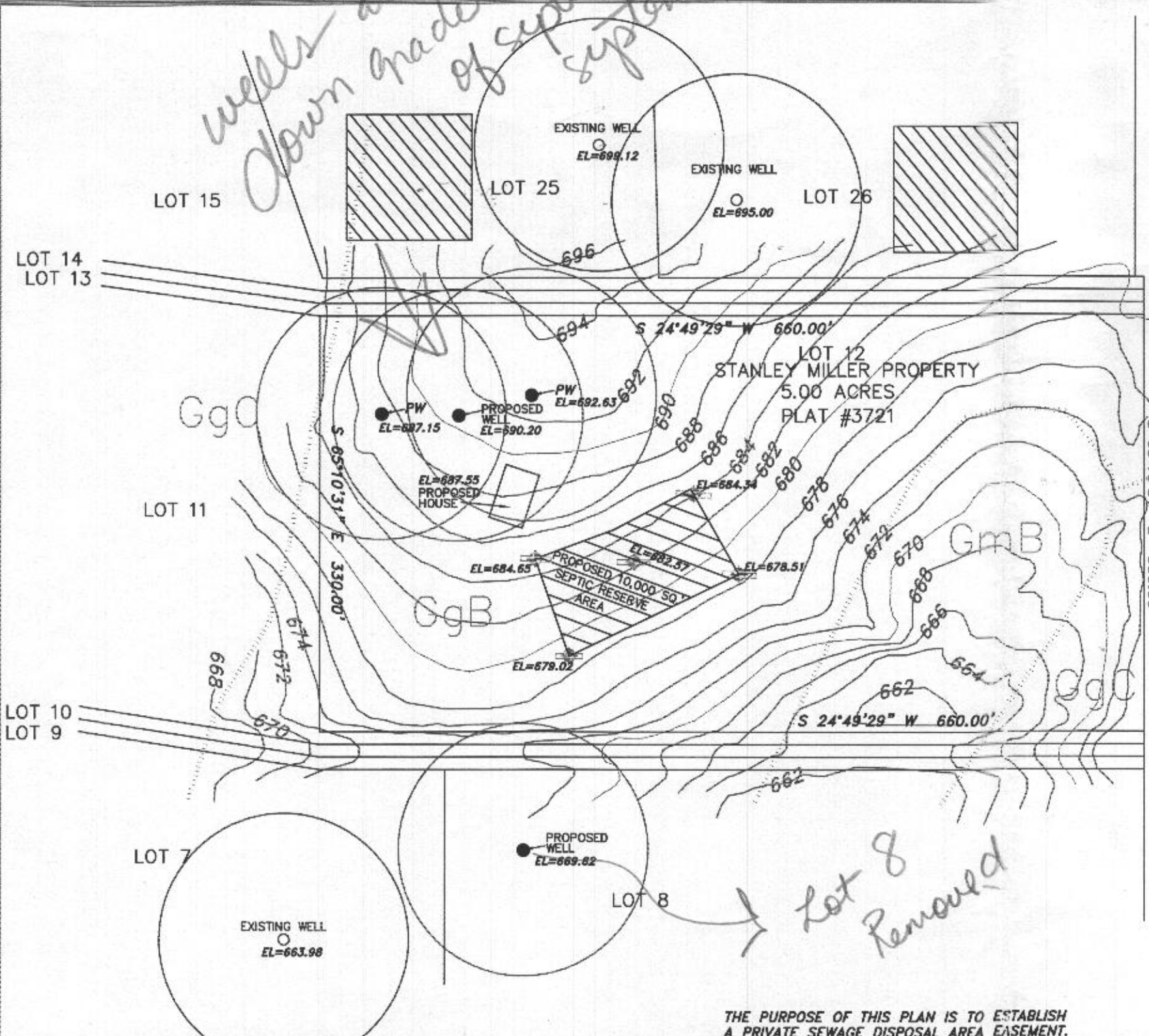
Respectfully,

Dana Bernard, REHS/RS
Environmental Sanitarian II
Well and Septic Program

Enclosures (2)

Cc: File

wells are down grade of septic system



VICINITY MAP 1" = 6000'

GENERAL NOTES:

- 1) THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.
- 2) SUBJECT LOT WAS CREATED IN 1977.
- 3) ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 4) ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100' OF THE PROPERTY BOUNDARIES LOCATED BY VISUAL INSPECTION ONLY.
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- 6) SOIL TYPE BOUNDARY LINE SCALED FROM MAP OBTAINED USDA WEBSITE WAS
 - (a) GgC GLENELG LOAM 8 TO 15%
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- 8) ● PW REPRESENTS PROPOSED ALTERNATIVE WELL SITES.
- 9) ⊕ REPRESENTS PASSED PERC HOLE.
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Remove 9 *Passed Perc Hole* *Remove*

THE PURPOSE OF THIS PLAN IS TO ESTABLISH A PRIVATE SEWAGE DISPOSAL AREA EASEMENT.

REVISED 6/5/15 SHOW EXISTING WELL ELEVATIONS

HOWARD COUNTY, MARYLAND HEALTH DEPARTMENT

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

HEALTH OFFICER

OWNER

Stanley B. Miller Family Trust
16217 Frederick Road
Woodbine, Maryland 21797
Phone: 410 489 7392

The purpose of this drawing is to facilitate the retesting of percs on existing lot 12 "STANLEY MILLER PROPERTY" PLAT #3721



This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations.



J. Carl Hudgins PLS #96
Expiration Date: 3/11/16

PERCOLATION CERTIFICATION PLAN

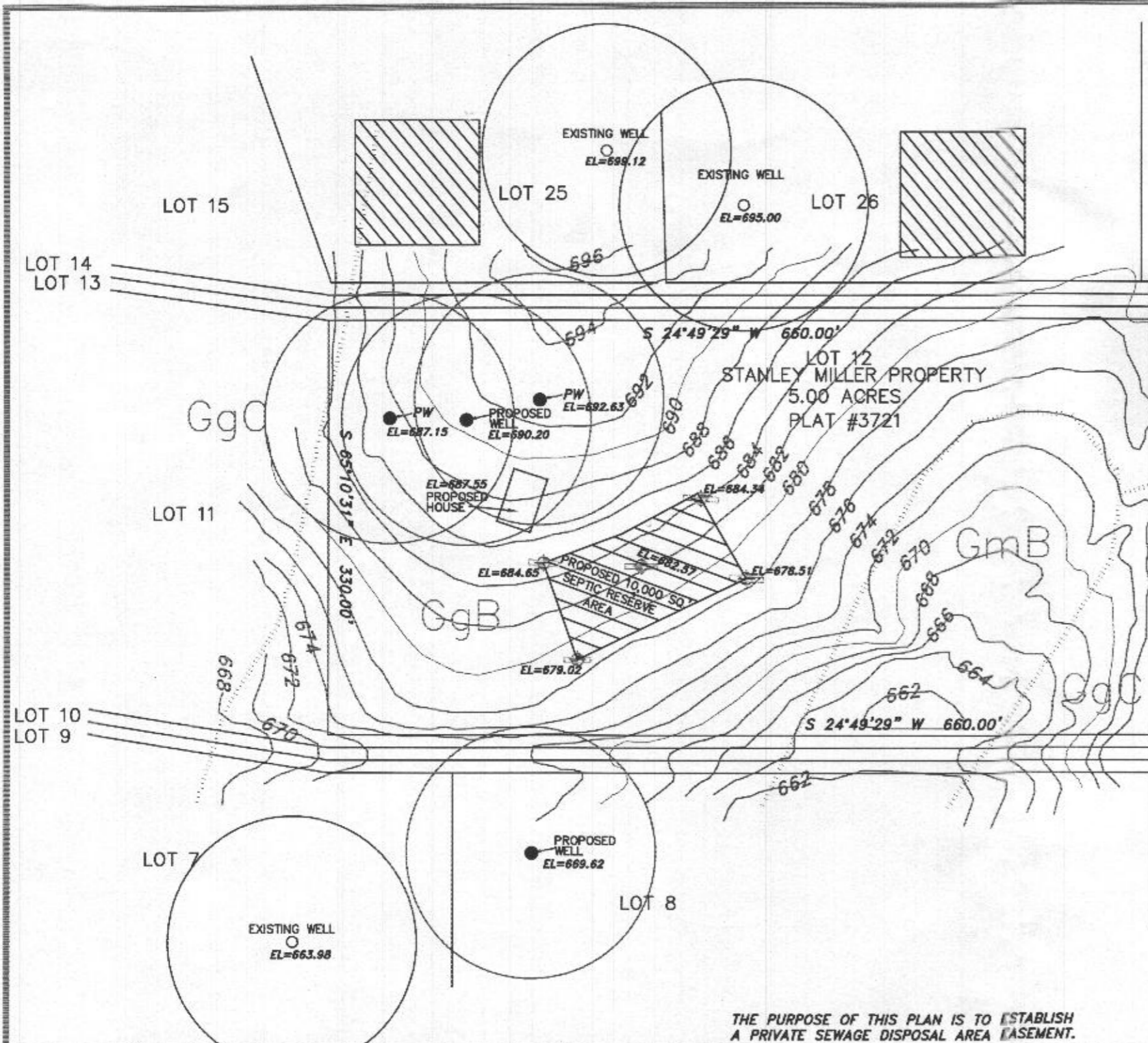
LOT 12 STANLEY MILLER PROPERTY
PLAT BOOK 27 PAGE 22
TAX MAP 7, PARCEL 467
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

NTT Associates, Inc.

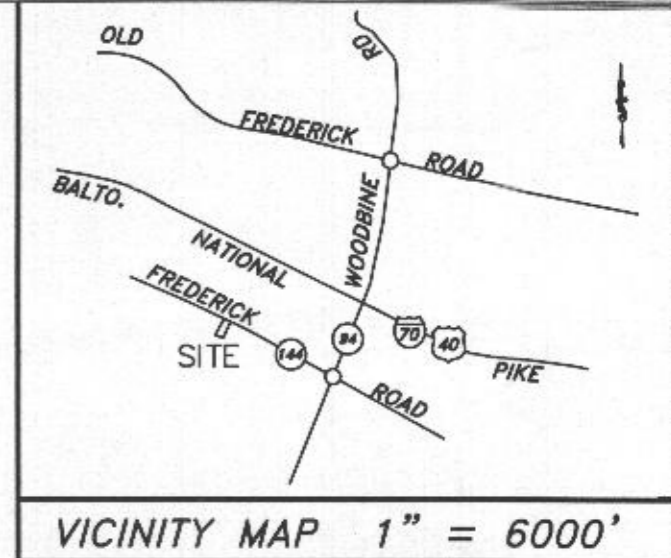
16205 Old Frederick Rd.
Mt. Airy, Maryland 21771
Phone: (410) 442-2031
Fax: (410) 442-1315
www.nttsurveyors.com

Scale: 1" = 100'

Date: 5/18/15
Field By: JCH
Drawn By: JCH/SCK
File No.: STANLEYMILLER



MARYLAND ROUTE 144



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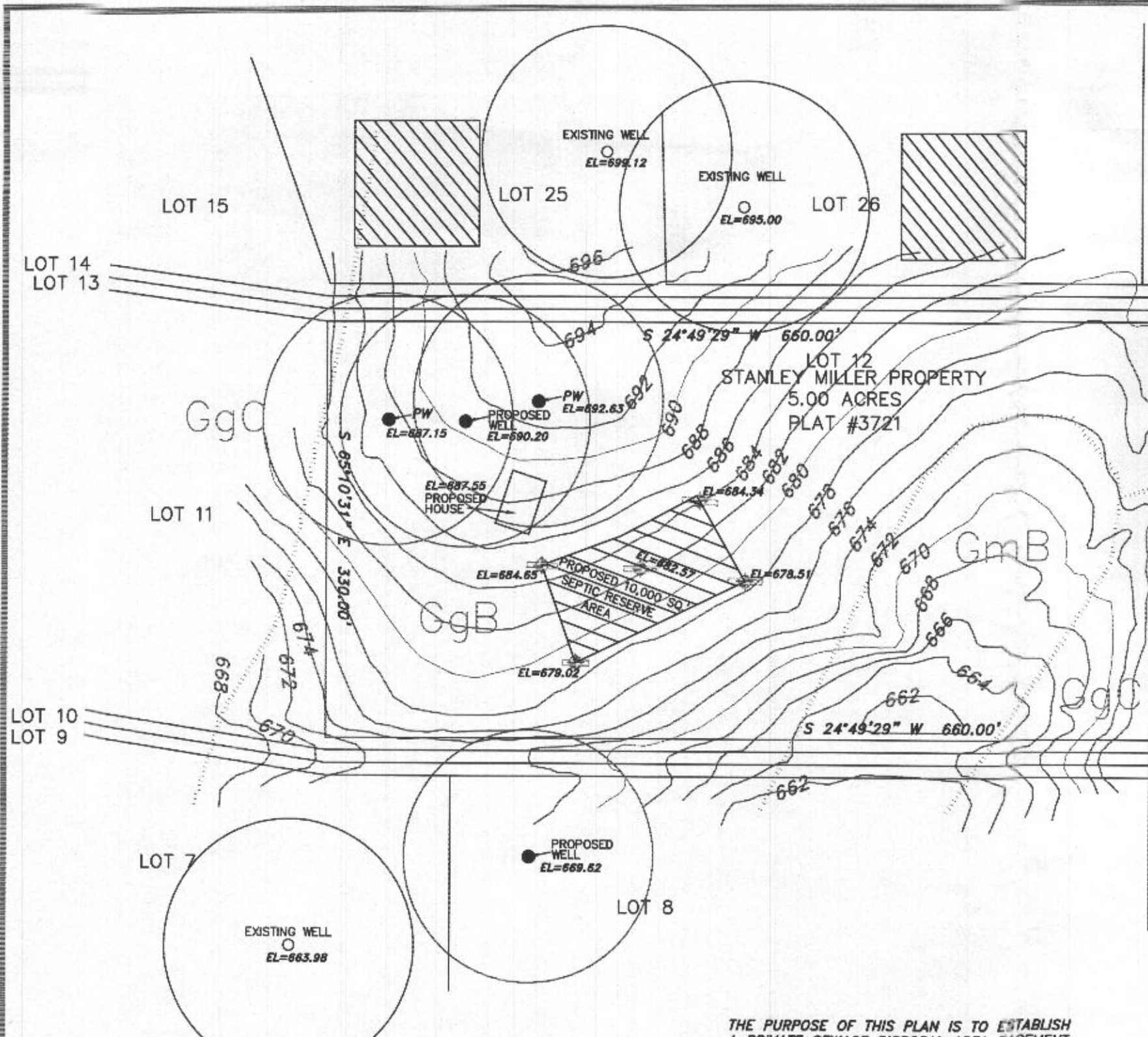
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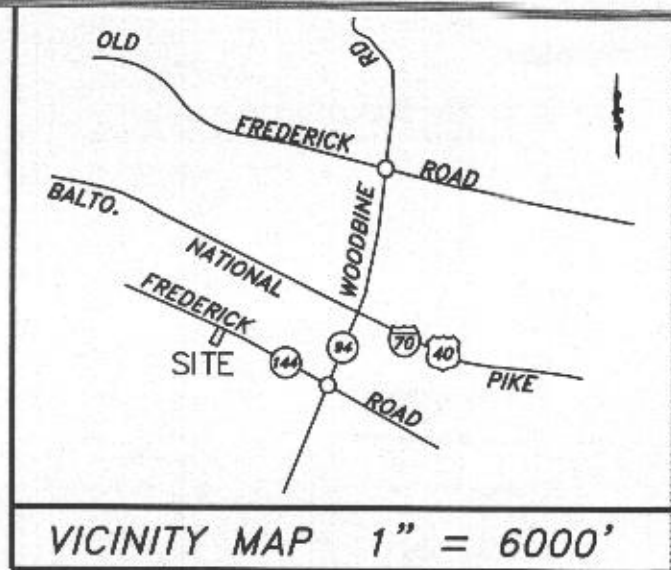
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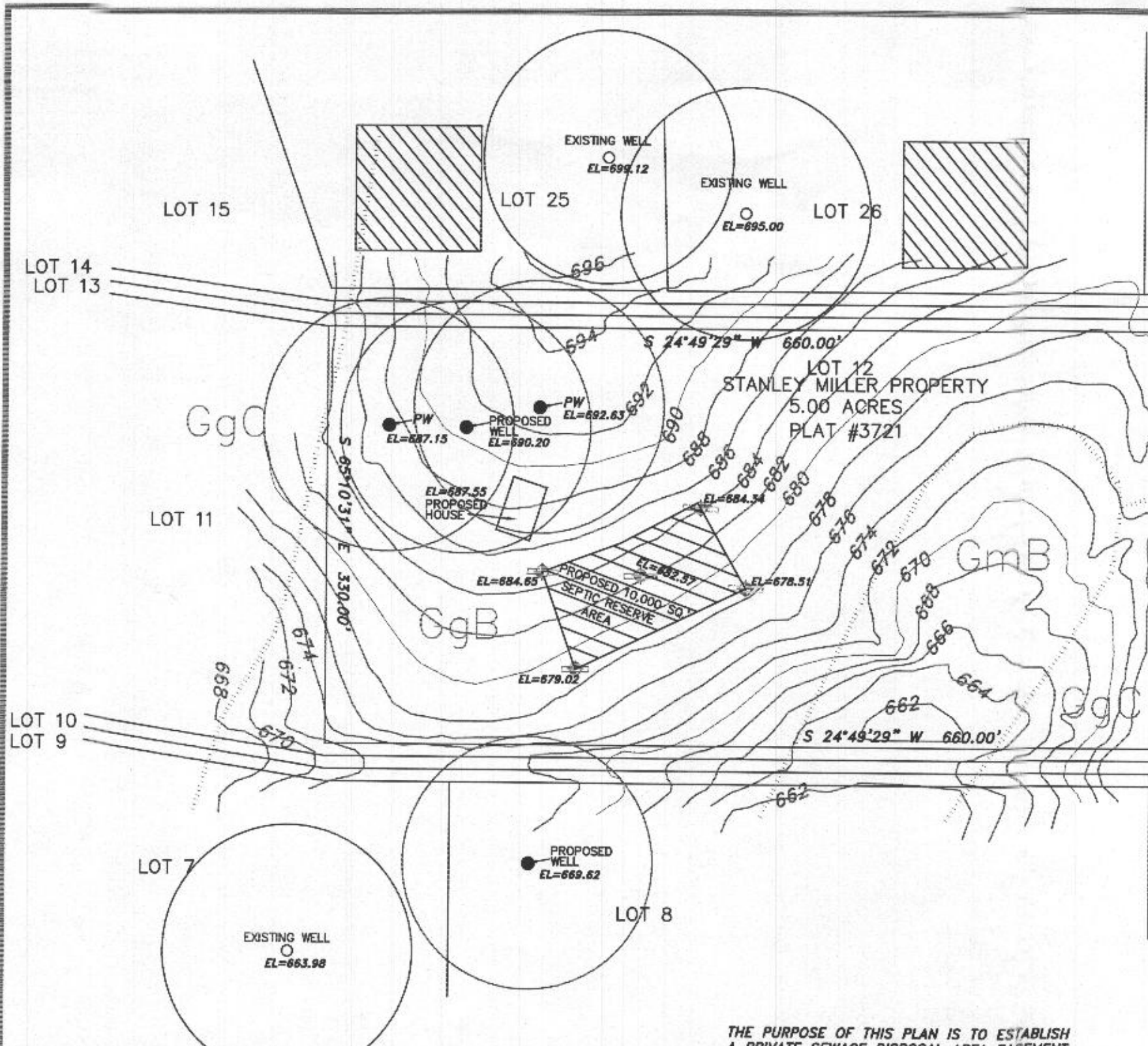
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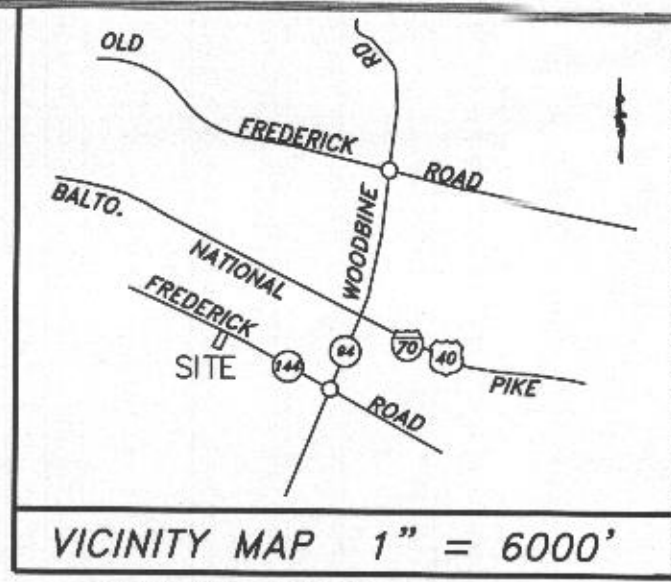
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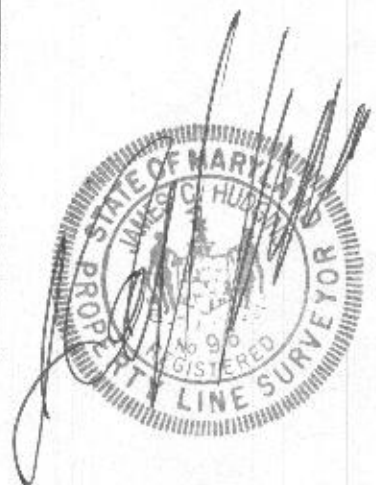


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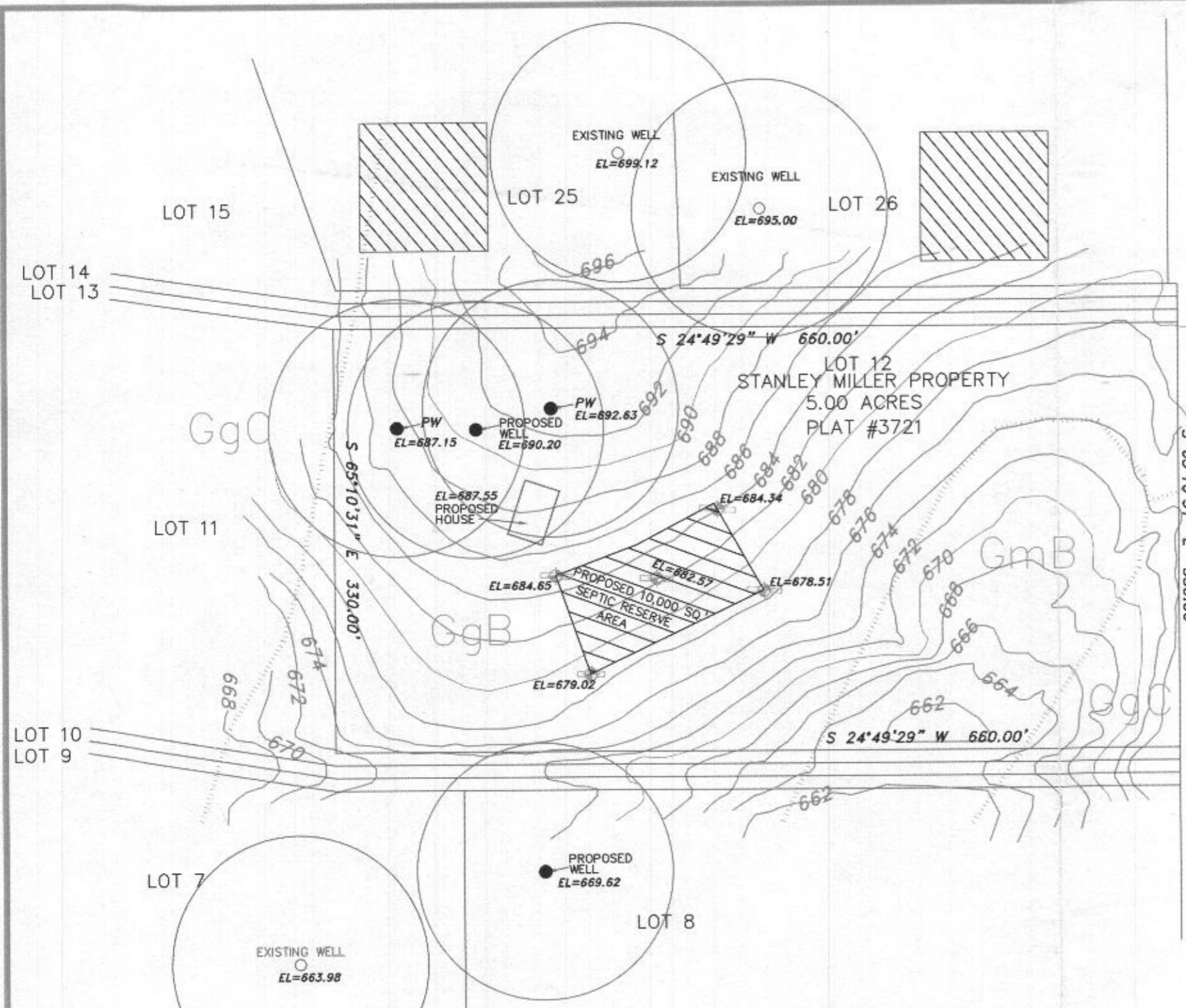
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PERCOLATION CERTIFICATION PLAN

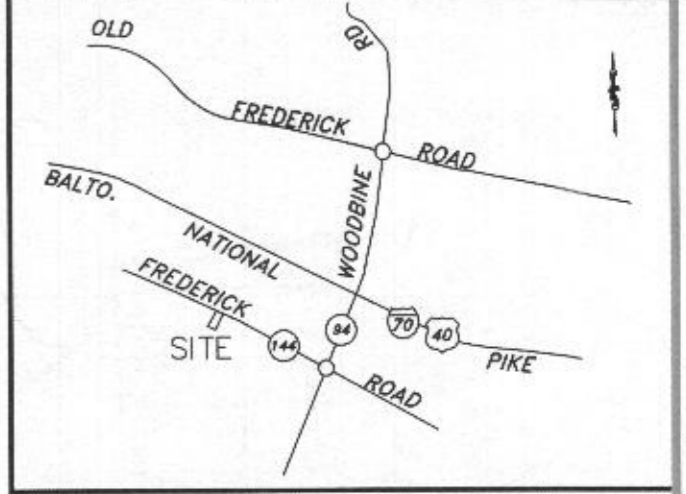
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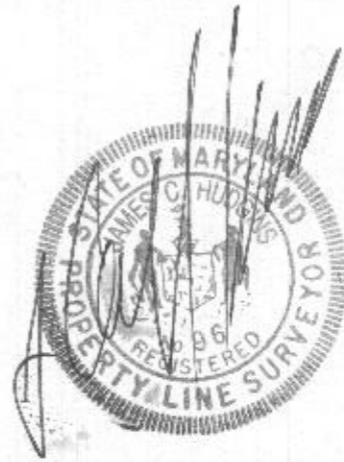
MARYLAND ROUTE 144



VICINITY MAP 1" = 6000'

GENERAL NOTES:

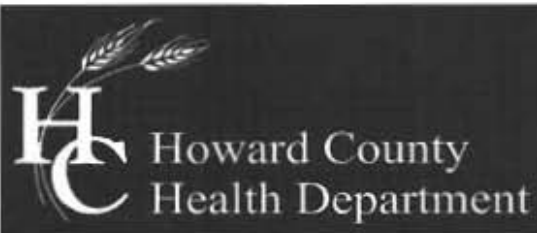
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- 3) ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 4) ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100' OF THE PROPERTY BOUNDARIES LOCATED BY VISUAL INSPECTION ONLY
- 5) ALL EXISTING AND PROPOSED WELLS WITHIN 200' DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS LOCATED BY VISUAL INSPECTION ONLY
- 6) SOIL TYPE BOUNDARY LINE SCALED FROM MAP OBTAINED USDA WEBSITE WAS
 - (a) GgC GLENELG LOAM 8 to 15%
 - (b) GgB GLENELG LOAM 3 to 8%
 - (c) GmB GLENVILLE SILT LOAM 3 to 8%
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- 8) ● PW REPRESENTS PROPOSED ALTERNATIVE WELL SITES.
- 9) ⊕ REPRESENTS PASSED PERC HOLE.
- 10) ⊕ REPRESENTS PASSED NON-CONVENTIONAL PERC HOLE.
- 11) ⊕ REPRESENTS FAILED PERC HOLE.
- 12) ○ REPRESENTS EXISTING WELL.
- 13) REPRESENTS TEST PIT OUTLINE.



THE PURPOSE OF THIS PLAN IS TO ESTABLISH A PRIVATE SEWAGE DISPOSAL AREA EASEMENT.

REVISED 6/5/15 SHOW EXISTING WELL ELEVATIONS

<p>HOWARD COUNTY, MARYLAND HEALTH DEPARTMENT</p> <p>APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.</p> <p>HEALTH OFFICER</p>	<p>OWNER</p> <p>Stanley B. Miller Family Trust 16217 Frederick Road Woodbine, Maryland 21797 Phone: 410 489 7392</p>	<p>The purpose of this drawing is to facilitate the retesting of percs on existing lot 12 "STANLY MILLER PROPERTY" PLAT #3721</p> <p>This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations.</p>	<p>J. Carl Hudgins PLS #96 Expiration Date: 3/11/16</p>	<p>PERCOLATION CERTIFICATION PLAN</p> <p>LOT 12 STANLEY MILLER PROPERTY PLAT BOOK 27 PAGE 22 TAX MAP 7, PARCEL 467 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p> <p>NTT Associates, Inc. 16205 Old Frederick Rd. Mt. Airy, Maryland 21771 Phone: (410) 442-2031 Fax: (410) 442-1315 www.nttsurveyors.com</p> <p>Scale: 1" = 100' Date: 5/18/15 Field By: JCH Drawn By: JCH/SCK File No.: STANLEYMILLER</p>
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Office of the Health Officer
8930 Stanford Blvd., Columbia, MD 21045
Main: 410-313-6300 | Fax: 410-313-6303
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org

Facebook: www.facebook.com/hocohealth

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

TO: Mr. James C. Hudgins
NTT Associates, Inc.

FROM: Dana Bernard, REHS/RS
Well and Septic Program

RE: Lot #12 Stanley Miller Property
Percolation Certification Plan

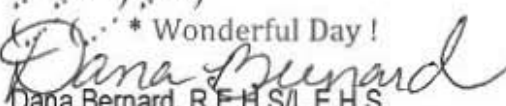
DATE: January 28, 2016

The following comments apply to the Percolation Certification plan prepared by NTT and Associates Inc.

- ↓ Lot must show square footage of septic easement for verification.
- ↓ In the legend the symbol for the passed non-conventional perc hole must be removed. (Line 10)
- ↓ In the legend the symbol for the failed test site must be removed. (Line 11)
- ↓ In the legend the symbol for the test pit outline must be removed. (Line 13)
- ↓ Line seven (7) in the General notes must be removed. All percolation certification plans must be field run and verified by the engineer and must state so in the general notes. Howard County Code requires the topography to be verified/field run at two-foot intervals and a stated in the general notes certifying such. Howard county GIS is adequate in most cases for a test plan, however not for the percolation certification plan.
- ↓ Topography must be labeled and shown on surrounding properties.
- ↓ Percolation holes must be numbered with elevations.
- ↓ Add a note to state that "All septic systems must use the "Best Available Technology". And will be designed and verified by the engineer."
- ↓ All **septics** and wells must be shown on surrounding properties. (Lot 7,8, and 11)

If you have any questions or correspondence, I can be reached at the above e-mail address or by telephone at (410) 313-2775.

Thank you & Have a*")

*") *") *")
* Wonderful Day!

Dana Bernard, R.E.H.S./L.E.H.S.
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

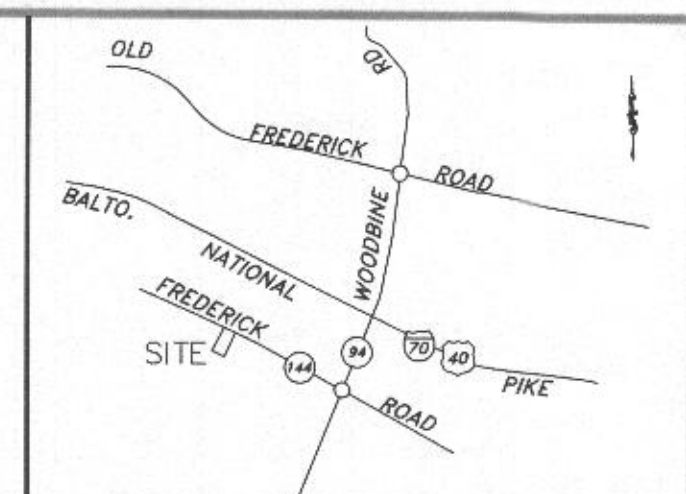
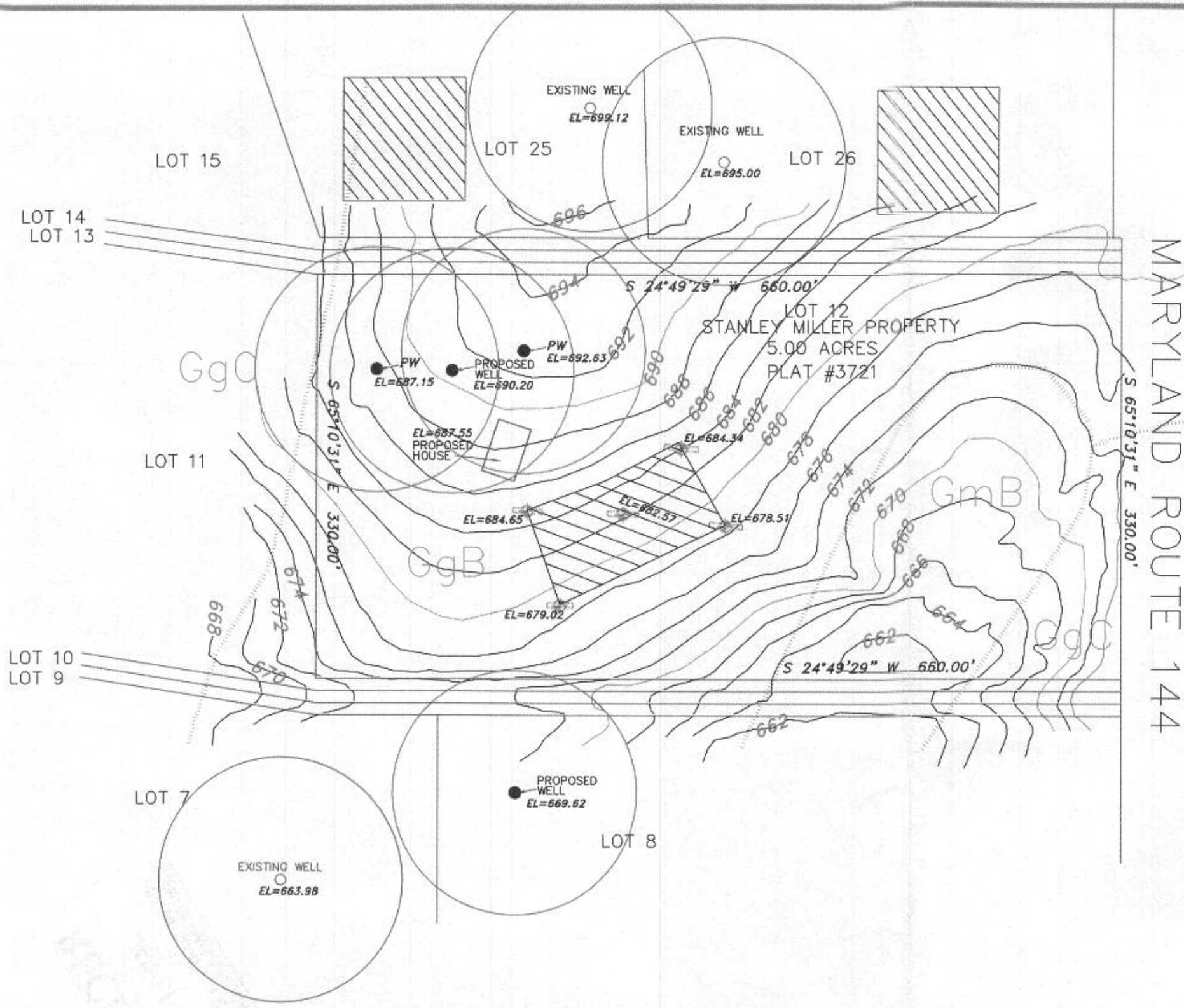
Date: January 6 2016
To: Dana Bernard
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045

RE: Percolation Certification Plan
South side Frederick Road
Woodbine, Maryland 21797
Lot 12 Stanley Miller Property
Tax Map 7, Parcel 467

Dana,

Please find enclosed four copies of the Percolation Certification Plan for the above referenced property.
Respectfully,

Carl Hudgins



VICINITY MAP 1" = 6000'

GENERAL NOTES:

- 1) THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET IN AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL EASEMENT RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY."
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- 13) [---] REPRESENTS TEST PIT OUTLINE.

Remove →

HOWARD COUNTY, MARYLAND
HEALTH DEPARTMENT

APPROVED FOR PRIVATE WATER AND
PRIVATE SEWERAGE SYSTEMS.

OWNER

Stanley B. Miller Family Trust
16217 Frederick Road
Woodbine, Maryland 21797
Phone: 410-489-7392

THE PURPOSE OF THIS PLAN IS TO ESTABLISH
A PRIVATE SEWAGE DISPOSAL AREA EASEMENT.



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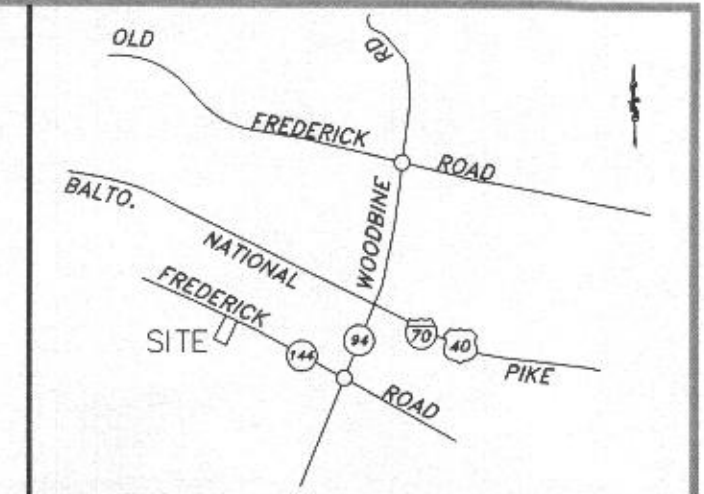
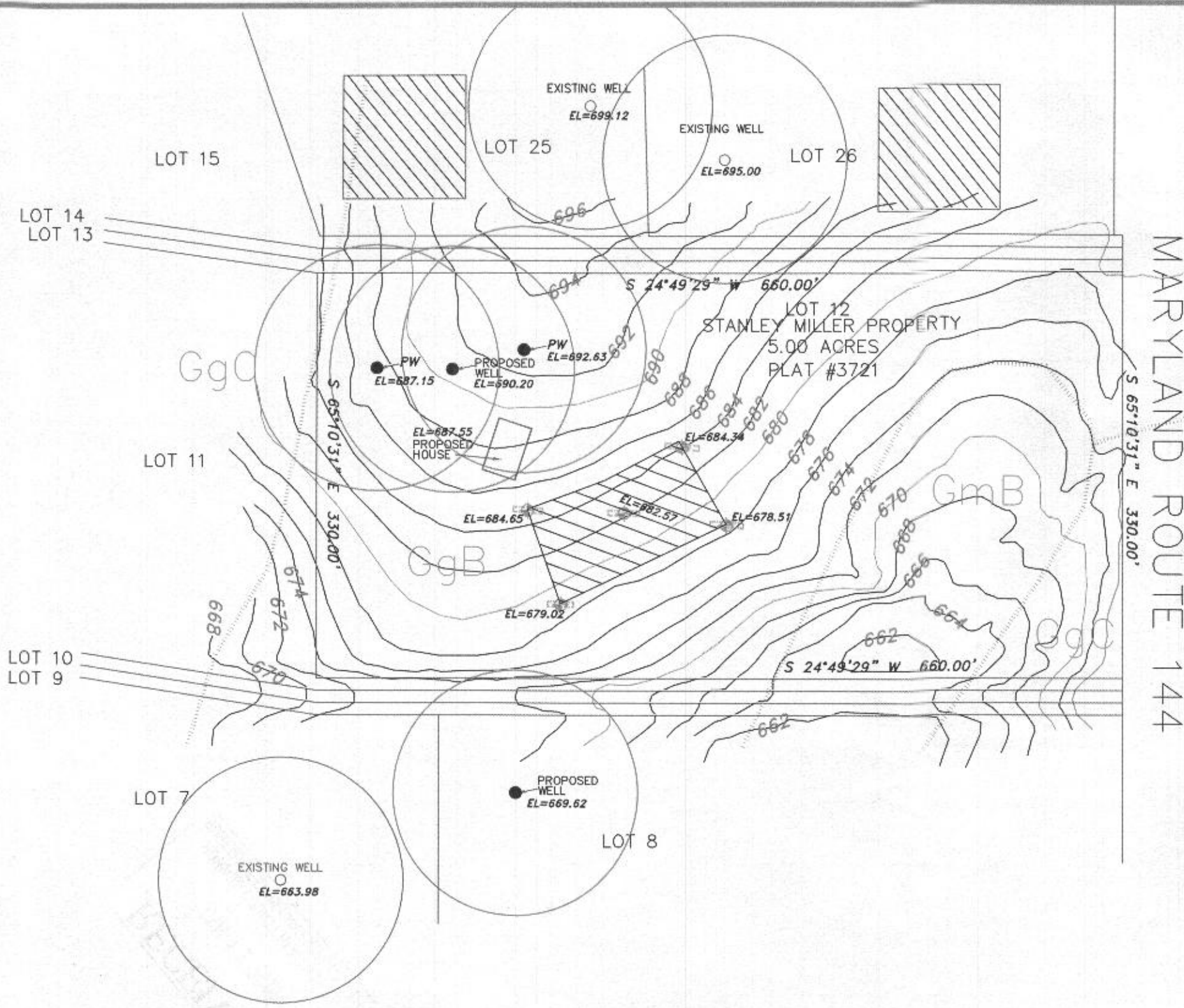
J. Carl Hudgins PLS #96
Expiration Date: 3/11/16

PERCOLATION CERTIFICATION PLAN
LOT 12 STANLEY MILLER PROPERTY
PLAT BOOK 27 PAGE 22 & PLAT 3721
TAX MAP 7, PARCEL 467
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

NTT Associates, Inc.
16205 Old Frederick Rd.
Mt. Airy, Maryland 21771
Phone: (410) 442-2031
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Scale: 1" = 100'
Date: 8/20/15
Field By: JCH
Drawn By: JCH/SCK
File No.: STANLEYMILLER

HEALTH OFFICER, HOWARD COUNTY HEALTH. DEPT. DATE



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HOWARD COUNTY, MARYLAND
HEALTH DEPARTMENT

APPROVED FOR PRIVATE WATER AND
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HEALTH OFFICER, HOWARD COUNTY HEALTH. DEPT. DATE

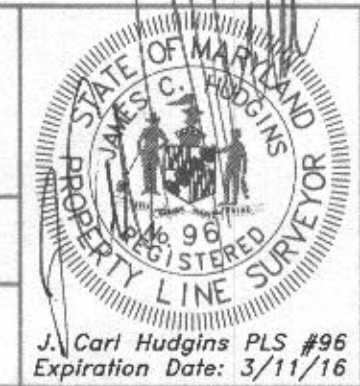
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16217 Frederick Road
Woodbine, Maryland 21797
Phone: 410-489-7392

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0' 100' 200' 300'

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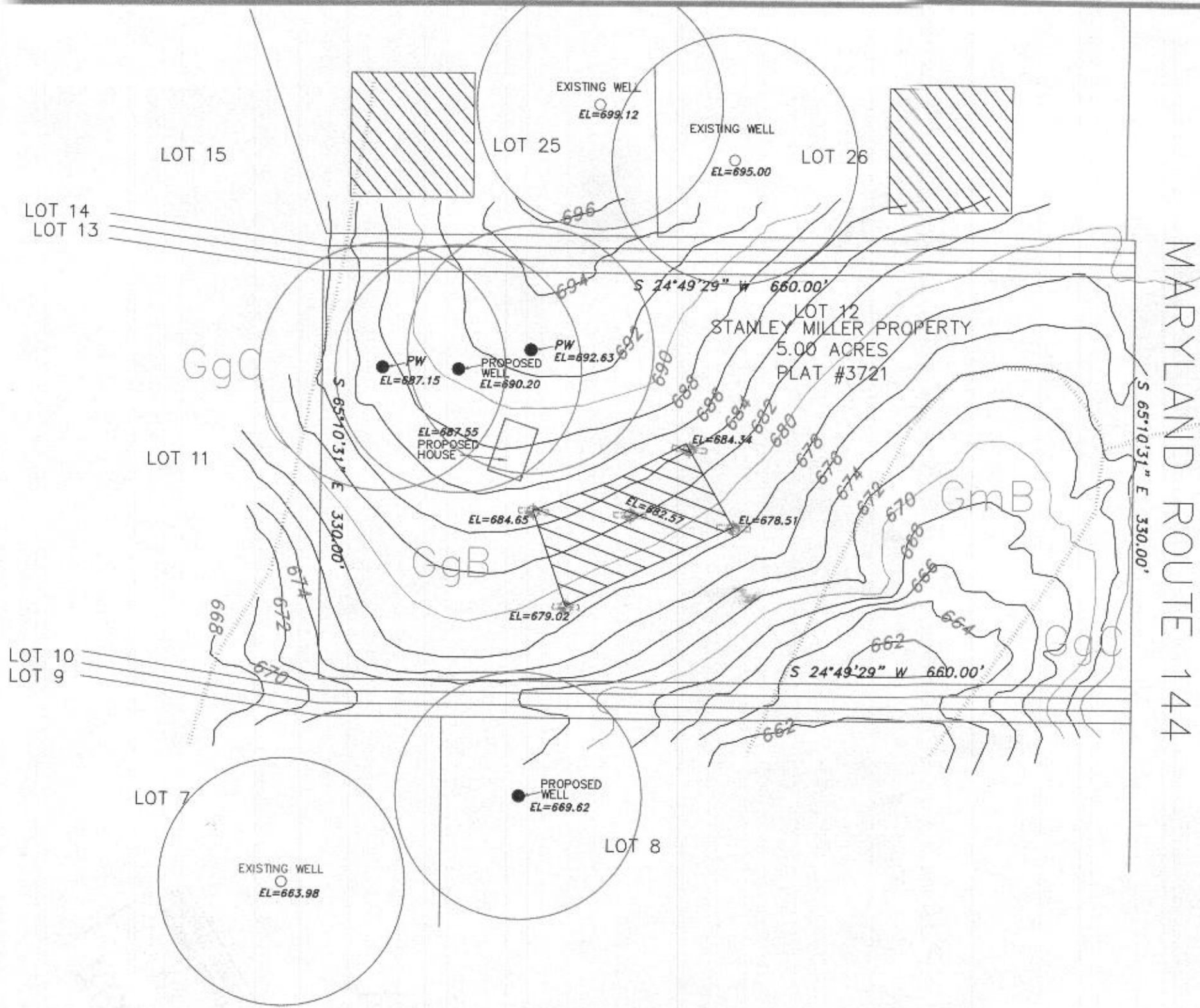


PERCOLATION CERTIFICATION PLAN

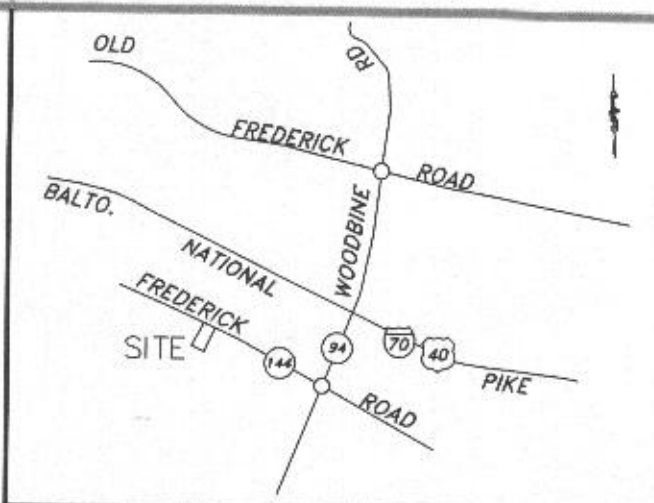
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Scale: 1" = 100'
Date: 8/20/15
Field By: JCH
Drawn By: JCH/SCK
File No.: STANLEYMILLER



MARYLAND ROUTE 144



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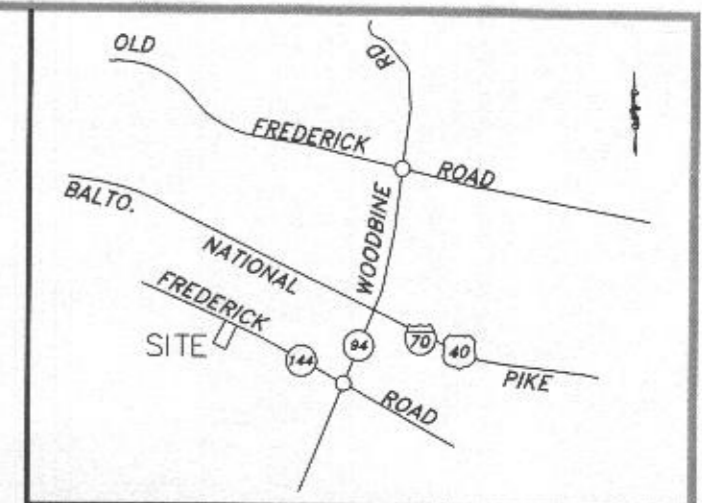
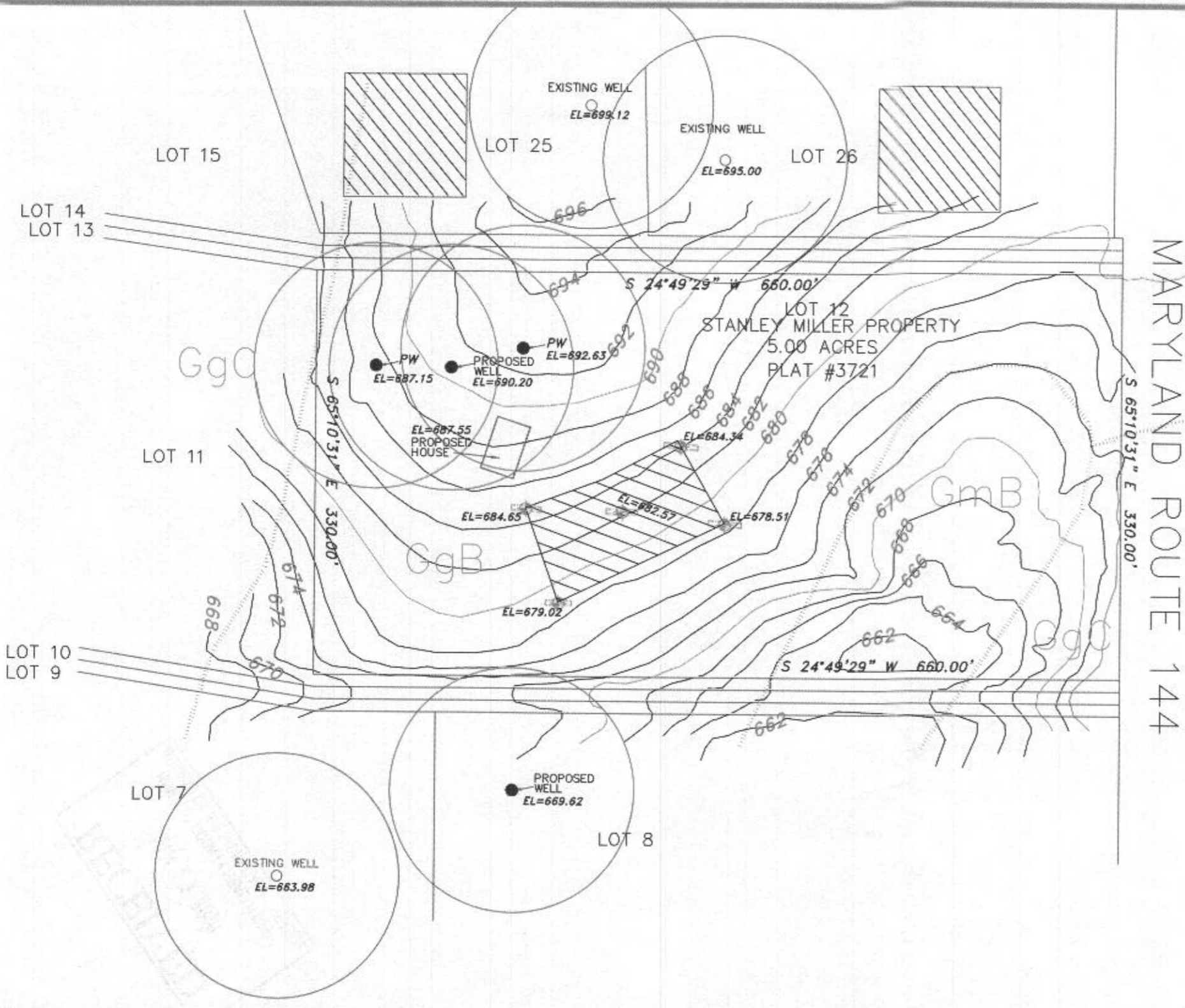
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HOWARD COUNTY, MARYLAND
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HEALTH OFFICER, HOWARD COUNTY HEALTH. DEPT. DATE

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PERCOLATION CERTIFICATION PLAN

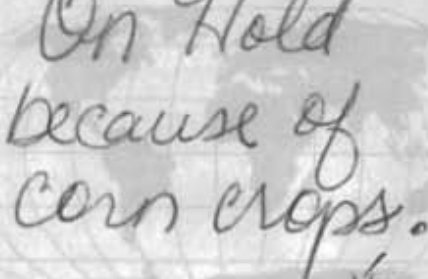
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Scale: 1" = 100'
Date: 8/20/15
Field By: JCH
Drawn By: JCH/SCK
File No.: STANLEYMILLER

A PRODUCT OF ORGANON PHARMACEUTICALS
Desogen

(desogestrel and ethinyl estradiol) Tablets

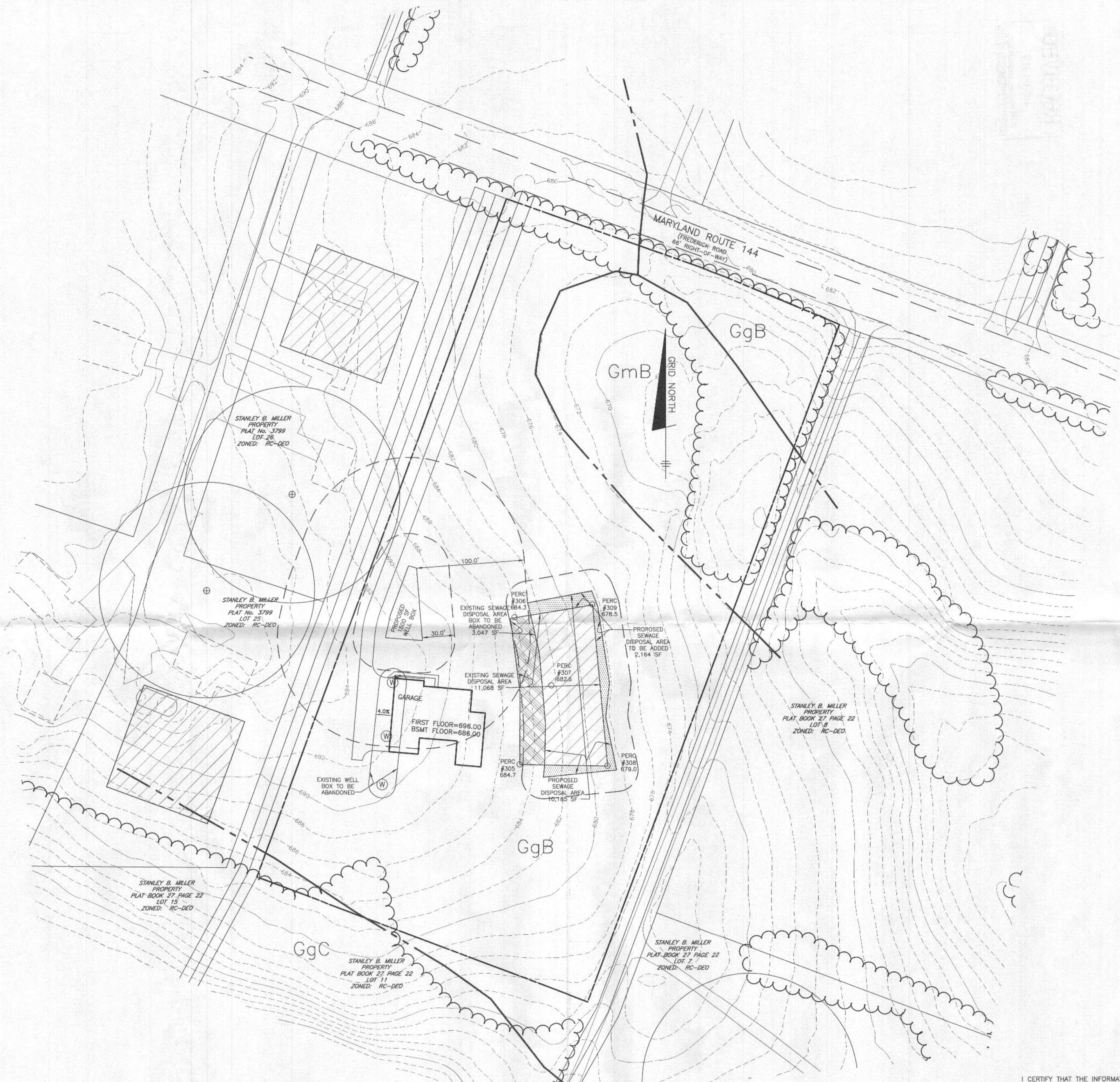


On Hold
because of
corn crops.

11-18-15

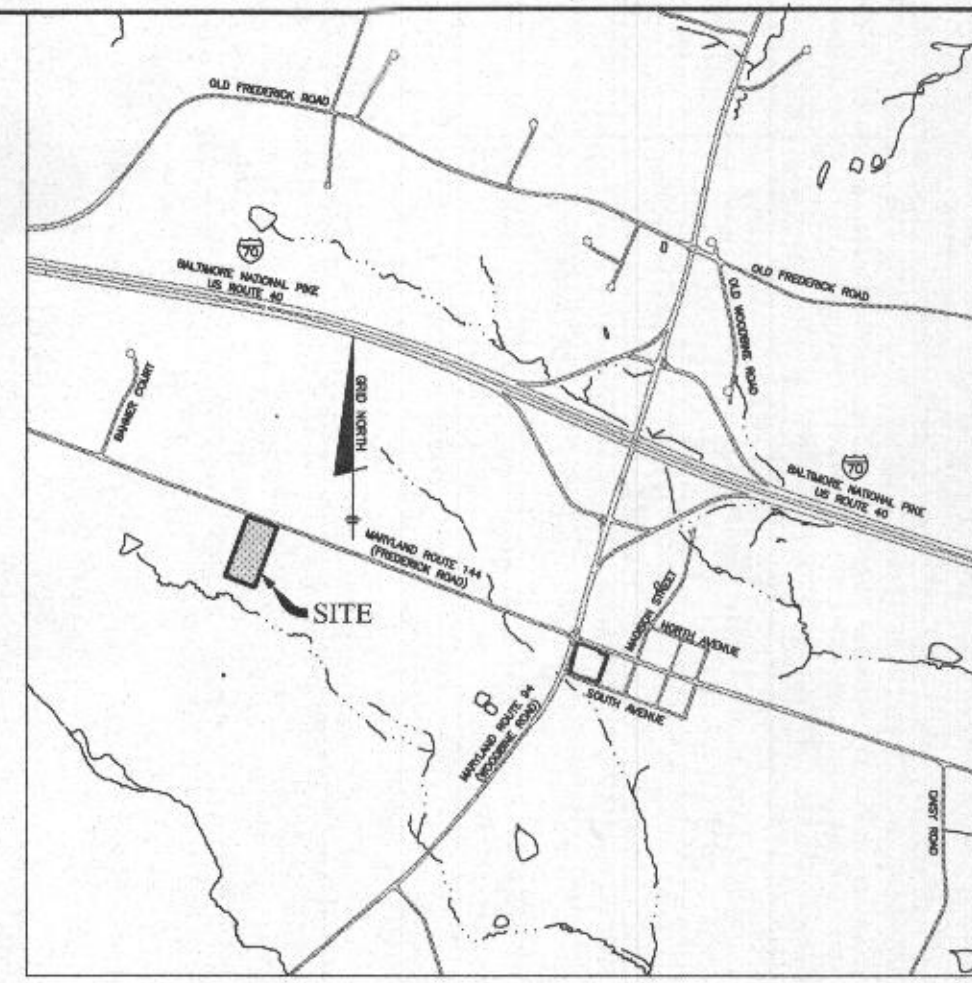
The world's
#1 prescribed OC.





LEGEND

SOILS CLASSIFICATION	GgB
SOILS DELINEATION	---
EXISTING CONTOURS (GIS)	---
PROPOSED STRUCTURE	[Symbol]
PROPOSED WELL BOX	[Symbol]
EXISTING SEWAGE DISPOSAL AREA	[Symbol]
PROPOSED SEWAGE DISPOSAL AREA REVISION (ADDITION)	[Symbol]
EXISTING SEWAGE DISPOSAL AREA (TO BE REMOVED)	[Symbol]
PERCOLATION TEST PASSED (5/5/2015)	○
EXISTING WELL LOCATION	⊕



GENERAL NOTES

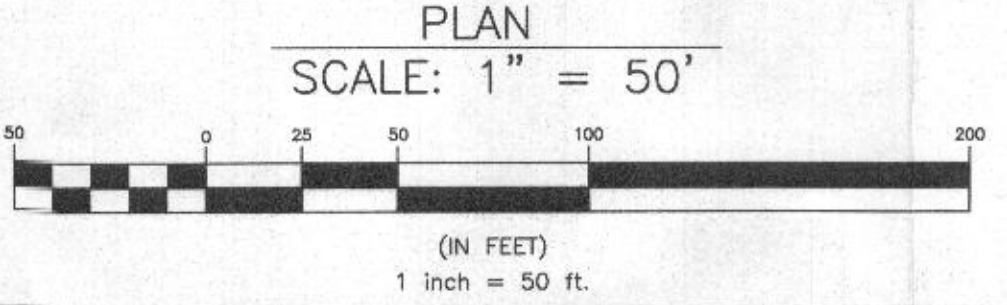
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- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT. THE LOT SIZE FOR THIS LOT WILL FULFILL THE REQUIREMENTS OF THE ZONING REGULATIONS.
- ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY'S BOUNDARIES EXCEPT THAT WHICH ARE SHOWN. INFORMATION CONCERNING THE ADJOINING PROPERTIES HAS BEEN OBTAINED FROM THE BUREAU OF ENVIRONMENTAL HEALTH, HOWARD COUNTY GIS, AND THE ENGINEER/SURVEYOR OF THE ORIGINAL PERCOLATION CERTIFICATION.
- GROUNDWATER APPROPRIATIONS PERMIT (GAP) MAY BE REQUIRED PRIOR TO ISSUE OF PERMIT TO INSTALL A WELL, OR AN EXEMPTION FROM THE GAP SHALL BE OBTAINED PRIOR TO ISSUE OF A PERMIT TO INSTALL A WELL.
- THE EXISTING TOPOGRAPHY SHOWN IS TAKEN FROM HOWARD COUNTY GIS. TRACT OUTLINE WAS ESTABLISHED BY FIELD WORK PERFORMED BY BENCHMARK ENGINEERING, INC., DATED 08/2017. TOPOGRAPHY FOR THE SEPTIC AREA ON LOT 12 WILL BE FIELD RUN BY BENCHMARK ENGINEERING, INC., PRIOR TO SEPTIC PERMIT APPLICATION.
- WELL TO BE DRILLED PRIOR TO BUILDING PERMIT ISSUANCE. IT IS THE OWNER'S RESPONSIBILITY TO SCHEDULE WELL DRILLING PRIOR TO BUILDING PERMIT REQUEST. IT WILL NOT BE CONSIDERED GOVERNMENT DELAY IF THE WELL-DRILLING HOLDS UP THE HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT.
- PERCOLATION TEST FEE RECEIPT NUMBER, REFERENCED IN THE APPROVING AUTHORITY CORRESPONDENCE, IS A555809.
- THE PURPOSES OF THIS REVISED PERCOLATION CERTIFICATION IS TO ADJUST EXISTING PRIVATE SEWERAGE DISPOSAL AREA ON LOT 12 AND TO REVISE THE THREE SPECIFIC WELL LOCATIONS WITH A 1500 SQ. FT. OF WELL ZONE WITH ELLIPTICAL RADIUS OF 100 FEET AROUND THE ENTIRE WELL ZONE DUE TO REVISED BUILDING ENVELOPE.
- ANY MICRO-BIORETENTION FACILITIES WITHIN 100 FEET OF A WELL, AS MEASURED FROM THE WELL BOX TO THE FILTER MEDIA, SHALL BE LINED. LINING WILL BE IN ACCORDANCE WITH THE STORMWATER MANAGEMENT DETAIL AS SHOWN ON THE FINAL CONSTRUCTION PLAN. MICRO-BIORETENTION FACILITIES ARE NOT ALLOWED WITHIN 50' OF WELL OR WELL BOXES.
- THIS PLAN IS BASED ON A PERCOLATION CERTIFICATION PLAN PREPARED AND CERTIFIED BY NIT ASSOCIATES, INC., DATED 4/29/16 AND LAST REVISED ON 6/28/17. THE CERTIFICATION PLAN WAS SIGNED BY THE HEALTH OFFICER ON 7/31/17.

THIS REVISED PERCOLATION CERTIFICATION PLAN IS FOR THE FOLLOWING:

- WELL BOXES: LOT 12
- SEPTIC DISPOSAL AREAS: LOT 12

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND

SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME	K-VALUE
GgB		B		GLENELG LOAM, 3 TO 8 PERCENT SLOPES	0.20
GgC		B		GLENELG LOAM, 8 TO 15 PERCENT SLOPES	0.20
GmB*	YES	C		GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	0.37



I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John Carney
PLAN PREPARER
JOHN CARNEY, P.E.
FOR BENCHMARK ENGINEERING INC.

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

HOWARD COUNTY HEALTH OFFICER _____ DATE _____

BENCHMARK ENGINEERING, INC.
ENGINEERS & LAND SURVEYORS & PLANNERS
8480 BALTIMORE NATIONAL PIKE SUITE 315 & ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644
WWW.BE-CIVILENGINEERING.COM
BEB@BE-CIVILENGINEERING.COM

OWNER: STANLEY B. MILLER TRUSTEE
16489 FREDERICK ROAD
WOODBINE, MD 21797

CONTRACT PURCHASER: SHEREE STEDDING
3140 CELINA LANE
MELBOURNE, FLORIDA 32934

PROJECT: STANLEY B. MILLER PROPERTY LOT 12

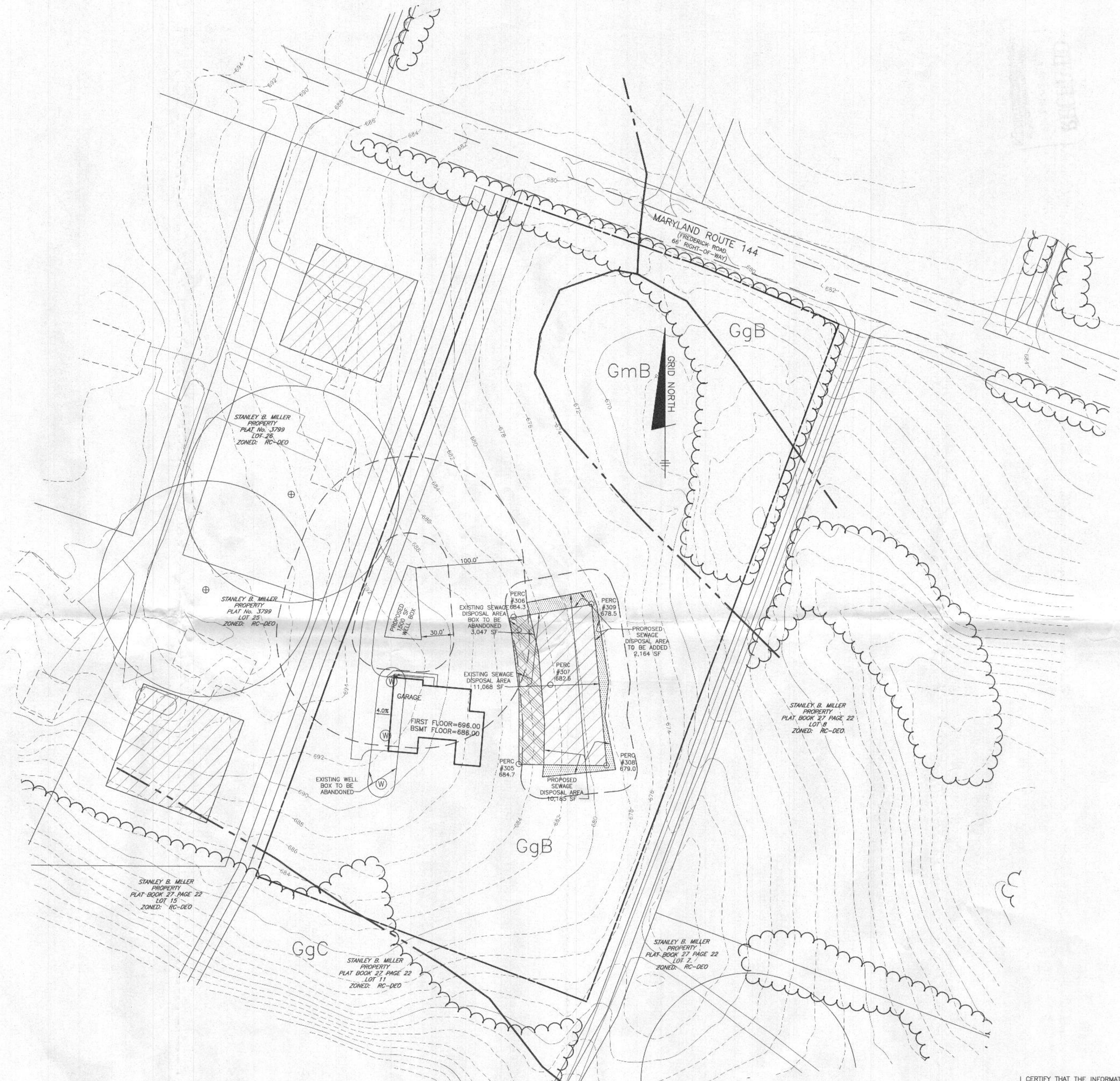
LOCATION: TAX MAP: 07, GRID: 10, PARCEL 467
16483 FREDERICK ROAD
WOODBINE, MD 21797
FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
ACCOUNT IDENTIFIED 004-334930

TITLE: REVISED PERCOLATION CERTIFICATION PLAN

DATE: AUGUST, 2017 PROJECT NO. 2850
SCALE: 1" = 100' SHEET 1 OF 1

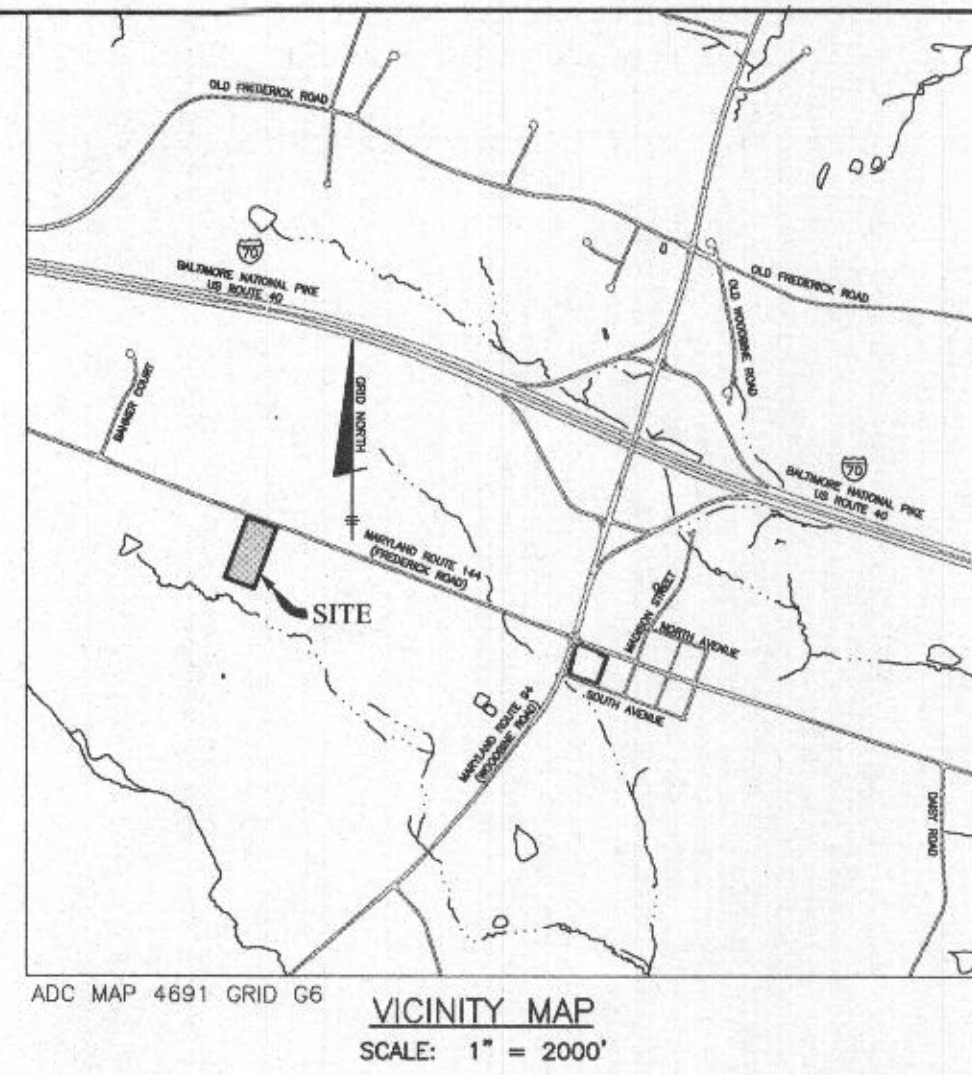
DRAFT: CBD DESIGN: JC CHECK: -

* INDICATES HYDRIC SOILS
** HIGHLY ERODIBLE, K>0.35, AND/OR 15% OR GREATER SLOPES
TAKEN FROM THE NRCS WEB SOIL SURVEY, AUGUST 2017. SHEET 2



LEGEND

SOILS CLASSIFICATION	GgB
SOILS DELINEATION	---
EXISTING CONTOURS (GIS)	---
PROPOSED STRUCTURE	[Symbol]
PROPOSED WELL BOX	[Symbol]
EXISTING SEWAGE DISPOSAL AREA	[Symbol]
PROPOSED SEWAGE DISPOSAL AREA REVISION (ADDITION)	[Symbol]
EXISTING SEWAGE DISPOSAL AREA (TO BE REMOVED)	[Symbol]
PERCOLATION TEST PASSED (5/3/2015)	⊙
EXISTING WELL LOCATION	⊕



GENERAL NOTES

- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL 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 DISPOSAL AREA. RECORDATION OF A MODIFIED SEWAGE DISPOSAL AREA SHALL NOT BE NECESSARY.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT. THE LOT SIZE FOR THIS LOT WILL FULFILL THE REQUIREMENTS OF THE ZONING REGULATIONS.
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- GROUNDWATER APPROPRIATIONS PERMIT (GAP) MAY BE REQUIRED PRIOR TO ISSUE OF PERMIT TO INSTALL A WELL, OR AN EXEMPTION FROM THE GAP SHALL BE OBTAINED PRIOR TO ISSUE OF A PERMIT TO INSTALL A WELL.
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THIS REVISED PERCOLATION CERTIFICATION PLAN IS FOR THE FOLLOWING:

- WELL BOXES: LOT 12
- SEPTIC DISPOSAL AREAS: LOT 12

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.

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WWW.BEI-CVLENGINEERING.COM
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John Carney 8/4/17
PLAN PREPARER
JOHN CARNEY, P.E.
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APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT

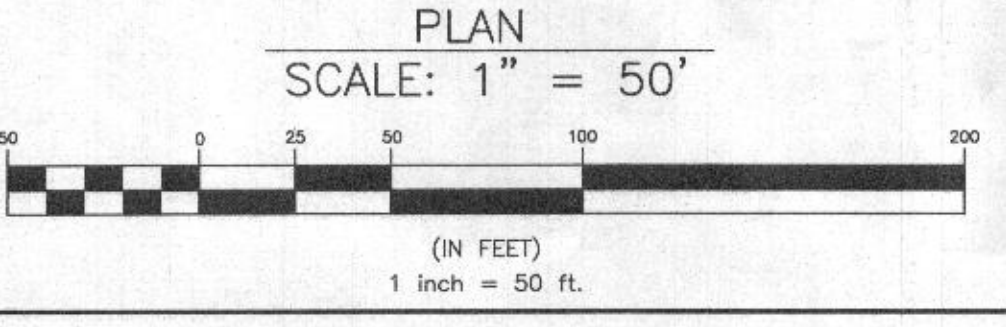
HOWARD COUNTY HEALTH OFFICER _____ DATE _____

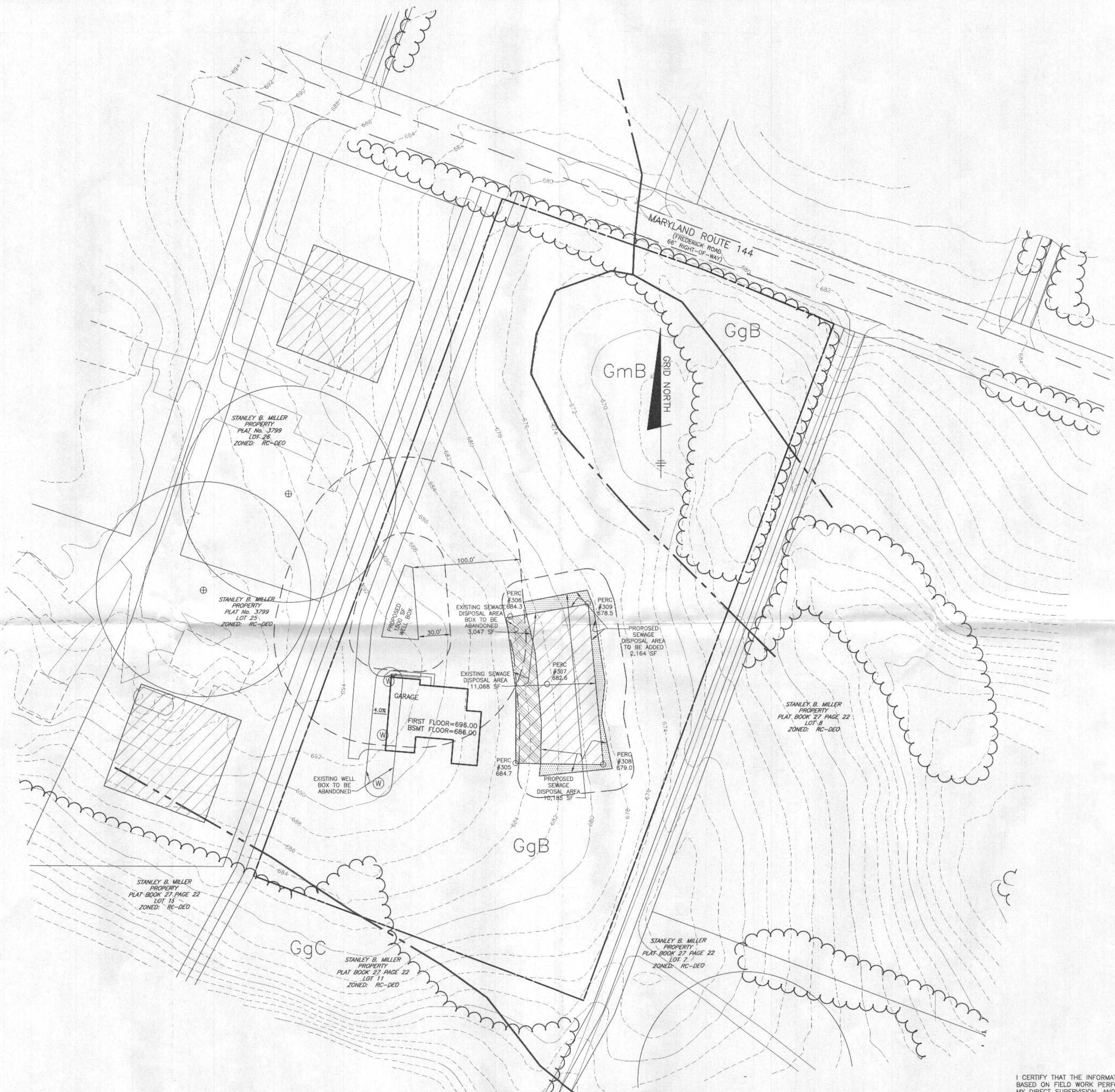
OWNER: STANLEY B. MILLER TRUSTEE 16489 FREDERICK ROAD WOODBINE, MD 21797	PROJECT: STANLEY B. MILLER PROPERTY LOT 12
CONTRACT PURCHASER: SHEREE STEDDING 3140 CELINA LANE MELBOURNE, FLORIDA 32934	LOCATION: TAX MAP: 07, GRID: 10, PARCEL 467 16463 FREDERICK ROAD WOODBINE, MD 21797 FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND ACCOUNT IDENTIFIED 004-334930
TITLE: REVISED PERCOLATION CERTIFICATION PLAN	
DATE: AUGUST, 2017	PROJECT NO. 2850
SCALE: 1" = 100'	SHEET 1 OF 1

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND

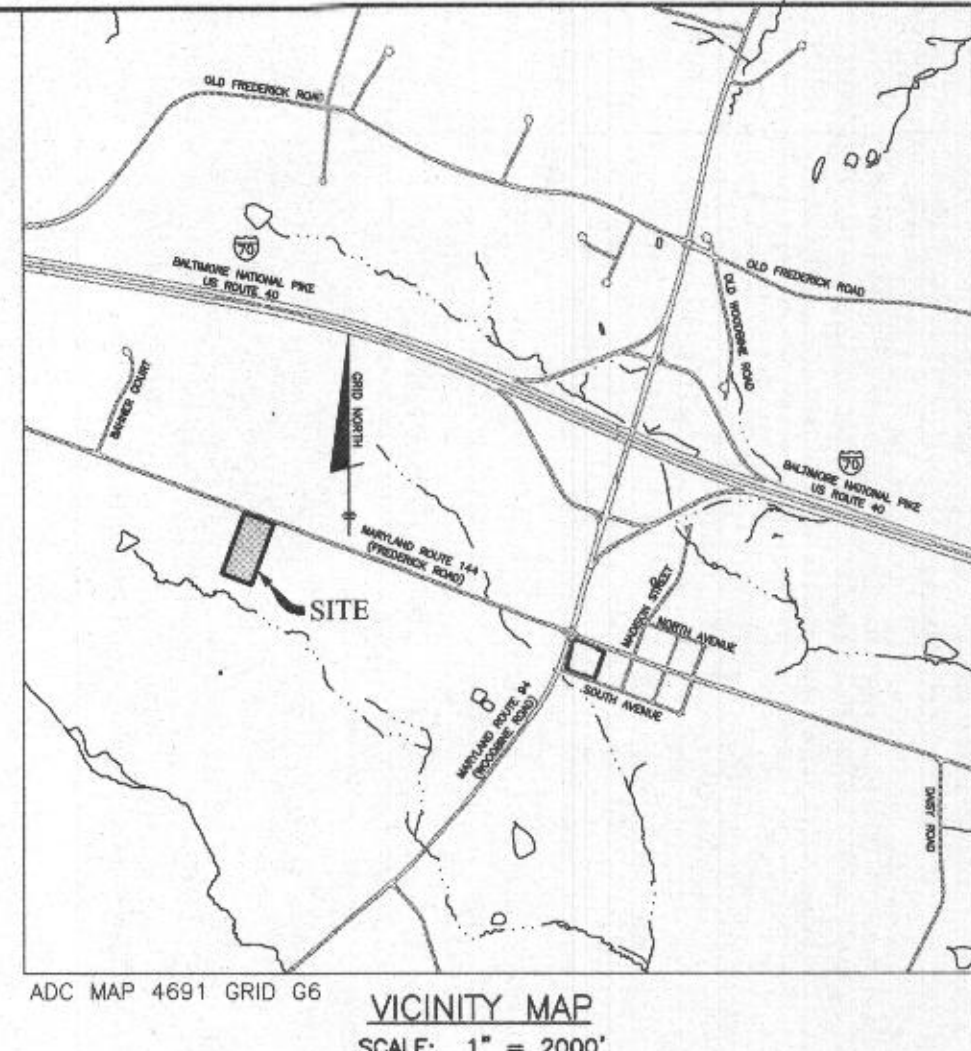
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TAKEN FROM THE NRCS WEB SOIL SURVEY, AUGUST 2017. SHEET 2





- LEGEND**
- SOILS CLASSIFICATION
 - SOILS DELINEATION
 - EXISTING CONTOURS (GIS)
 - PROPOSED STRUCTURE
 - PROPOSED WELL BOX
 - EXISTING SEWAGE DISPOSAL AREA
 - PROPOSED SEWAGE DISPOSAL AREA REVISION (ADDITION)
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John Carney 8/4/17
PLAN PREPARER
JOHN CARNEY, P.E.
FOR BENCHMARK ENGINEERING, INC.

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

HOWARD COUNTY HEALTH OFFICER _____ DATE _____

OWNER: STANLEY B. MILLER TRUSTEE
16489 FREDERICK ROAD
WOODBINE, MD 21797

CONTRACT PURCHASER:
SHEREE STEDDING
3140 CELINA LANE
MELBOURNE, FLORIDA 32934

PROJECT: **STANLEY B. MILLER PROPERTY LOT 12**

LOCATION: TAX MAP: 07, GRID: 10, PARCEL 467
16483 FREDERICK ROAD
WOODBINE, MD 21797
FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
ACCOUNT IDENTIFIED 004-334930

TITLE: **REVISED PERCOLATION CERTIFICATION PLAN**

DATE: AUGUST, 2017 PROJECT NO. 2850

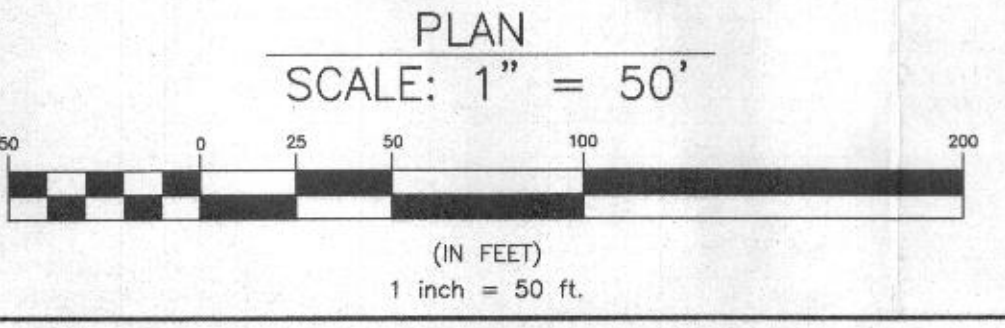
SCALE: 1" = 100' SHEET 1 OF 1

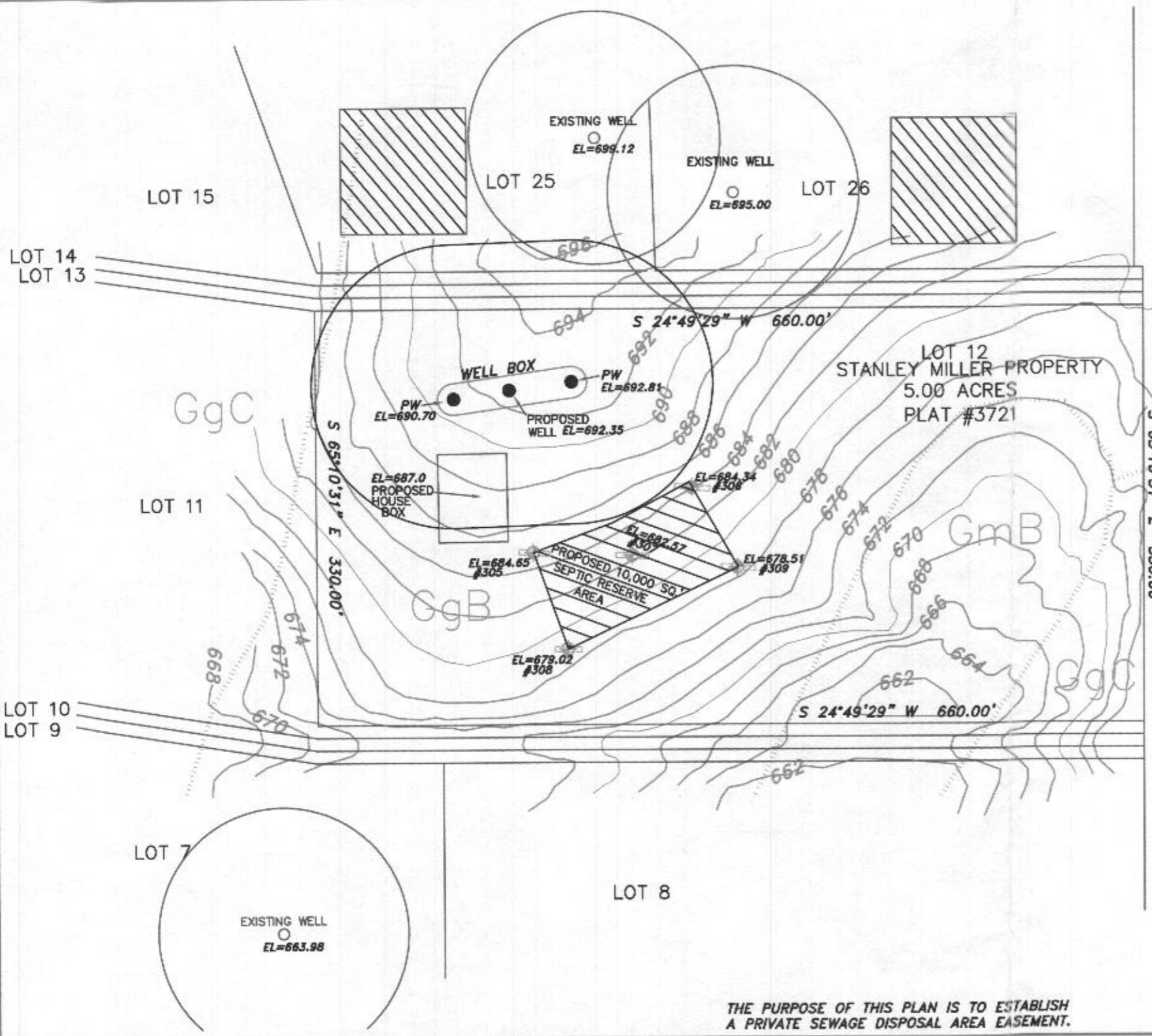
DRAFT: CBD DESIGN: JC CHECK: -

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND

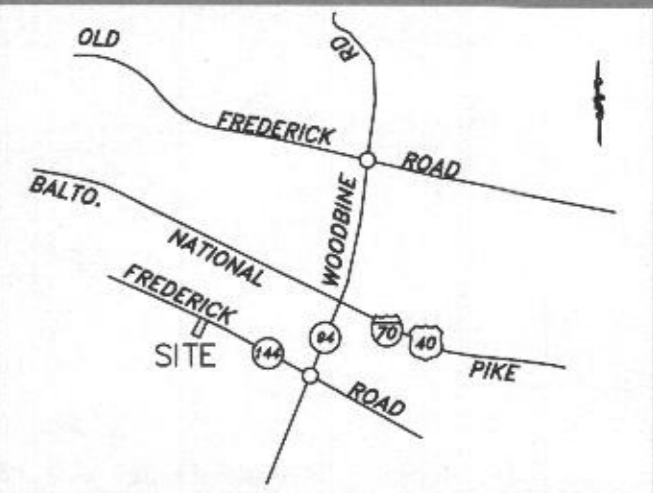
SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME	K-VALUE
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TAKEN FROM THE NRCS WEB SOIL SURVEY, AUGUST 2017. SHEET 2





MARYLAND ROUTE 144



VICINITY MAP 1" = 6000'

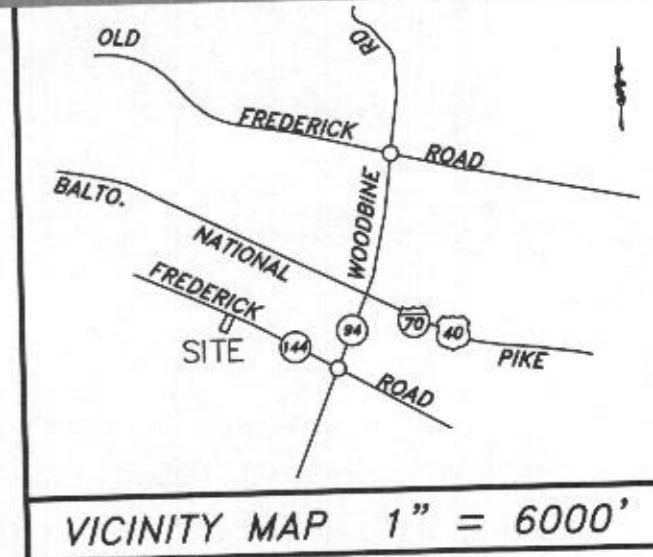
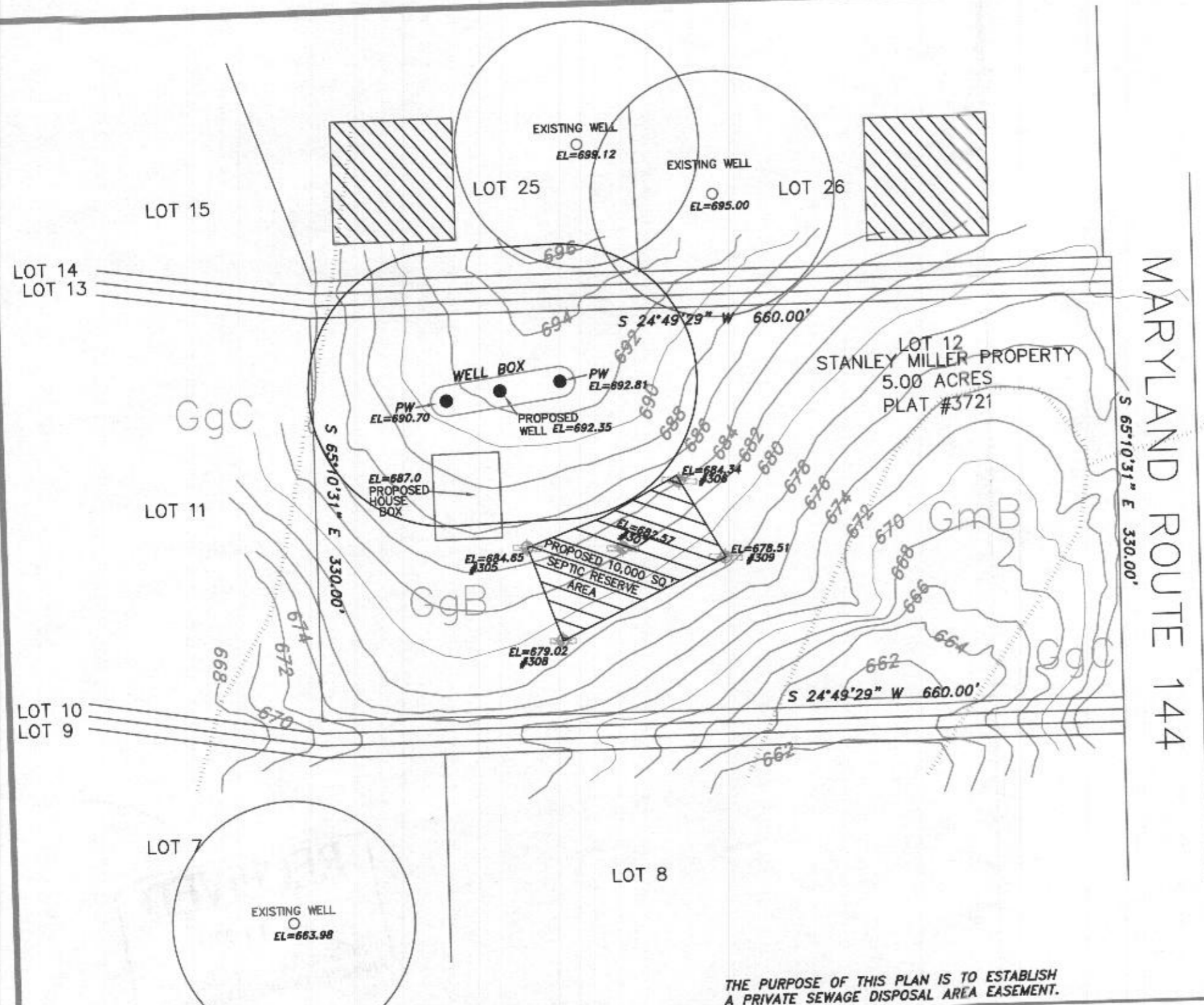
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- 2) SUBJECT LOT WAS CREATED IN 1977.
- 3) ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 4) ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100' OF THE PROPERTY BOUNDARIES LOCATED BY VISUAL INSPECTION ONLY
- 5) ALL EXISTING AND PROPOSED WELLS WITHIN 200' DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS LOCATED BY VISUAL INSPECTION ONLY
- 6) SOIL TYPE BOUNDARY LINE SCALED FROM MAP OBTAINED USDA WEBSITE WAS
 - (a) GgC GLENELG LOAM 8 to 15%
 - (b) GgB GLENELG LOAM 3 to 8%
 - (c) GmB GLENVILLE SILT LOAM 3 to 8%
- 7) THE ELEVATIONS SHOWN HEREON ARE THE RESULT OF A FIELD RUN TOPOGRAPHIC SURVEY, AND ARE SHOWN IN THE NAVD 1988 DATUM, BASED UPON H. C. BENCH MARK No. 07BM2.
- 8) ● PW REPRESENTS PROPOSED ALTERNATIVE WELL SITES.
- 9) ⊕ REPRESENTS PASSED PERC HOLE.
- 12) ○ REPRESENTS EXISTING WELL.
- 13) □ REPRESENTS TEST PIT OUTLINE.

THE PURPOSE OF THIS PLAN IS TO ESTABLISH A PRIVATE SEWAGE DISPOSAL AREA EASEMENT.

REVISED 6/28/17 SHOW HOUSE BOX
REVISED 5/4/16 SHOW WELL BOX

<p>HOWARD COUNTY, MARYLAND HEALTH DEPARTMENT</p> <p>APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.</p> <p><i>Signature</i> HEALTH OFFICER</p>	<p>OWNER</p> <p>Stanley B. Miller Family Trust 16217 Frederick Road Woodbine, Maryland 21797 Phone: 410 489 7392</p>	<p>The purpose of this drawing is to facilitate the retesting of percs on existing lot 12 "STANLEY MILLER PROPERTY" PLAT #3721</p> <p>0' 100' 200' 300'</p> <p>This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations.</p>	<p>Richard Stouffer # 21260 Expiration Date: 6/14/19</p>	<p>PERCOLATION CERTIFICATION PLAN</p> <p>LOT 12 STANLEY MILLER PROPERTY PLAT BOOK 27 PAGE 22 TAX MAP 7, PARCEL 467 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p> <p>NTT Associates, Inc. 16205 Old Frederick Rd. Mt. Airy, Maryland 21771 Phone: (410) 442-2031 Fax: (410) 442-1315 www.nttsurveyors.com</p> <p>Scale: 1" = 100' Date: 4/29/16 Field By: JCH Drawn By: JCH/SCK File No.: STANLEYMILLER</p>
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GENERAL NOTES:

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REVISED 6/28/17 SHOW HOUSE BOX
REVISED 5/4/16 SHOW WELL BOX

HOWARD COUNTY, MARYLAND
HEALTH DEPARTMENT

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

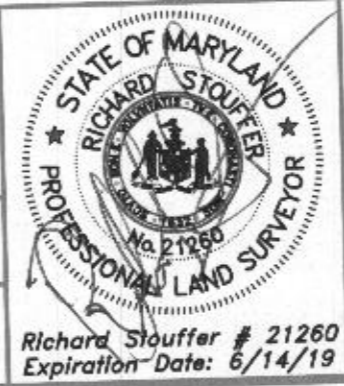
Barbara Roseman 7/31/2017
HEALTH OFFICER

OWNER

Stanley B. Miller Family Trust
16217 Frederick Road
Woodbine, Maryland 21797
Phone: 410 489 7392

The purpose of this drawing is to facilitate the retesting of percs on existing lot 12 "STANLEY MILLER PROPERTY" PLAT #3721

This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations.



PERCOLATION CERTIFICATION PLAN
LOT 12 STANLEY MILLER PROPERTY
PLAT BOOK 27 PAGE 22
TAX MAP 7, PARCEL 467
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

NTT Associates, Inc.
16205 Old Frederick Rd.
Mt. Airy, Maryland 21771
Phone: (410) 442-2031
Fax: (410) 442-1315
www.nttsurveyors.com

Scale: 1" = 100'
Date: 4/29/16
Field By: JCH
Drawn By: JCH/SCK
File No.: STANLEYMILLER



NTT Associates, Inc.
16205 Old Frederick Road
Mt. Airy, Maryland 21771

July 06, 2017

Howard County Health Department
Attn: Jeffrey Williams
Re: Percolation Certification Plan Submittal for Lot 12 Stanley Miller Property

Dear Mr. Williams:

Please find enclosed 4 copies of the revised Percolation Certification Plan for Lot 12 Stanley Miller Property, Tax Map 7 Parcel 467, per your comments dated July 10, 2017.

Feel free to call me if you have any questions,

Sincerely,

Richard B. Stouffer
Professional Land Surveyor 21260
NTT Associates, Inc.
Phone: 410-442-2031
Fax: 410-442-1315

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Wednesday, June 28, 2017 3:07 PM
To: 'beth@nttsurveyors.com'
Subject: perc cert Stanley Miller Property lot 12

Hello. I do not have the email address for Richard Stouffer. He submitted a perc cert plan to Dana Bernard in our office. She sent it up for signature and I had some comments for revision before we can sign off on the plan.

1. The perc test holes are not labeled.
2. The house footprint is 30' x 45'. Our Code specifies a 55' x 70' house box or larger as needed.

Please forward this along and contact me with any questions. Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@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.



NTT Associates, Inc.
16205 Old Frederick Road
Mt. Airy, Maryland 21771

June 12, 2017

Howard County Health Department
Attn: Dana Bernard
Re: Percolation Certification Plan Submittal

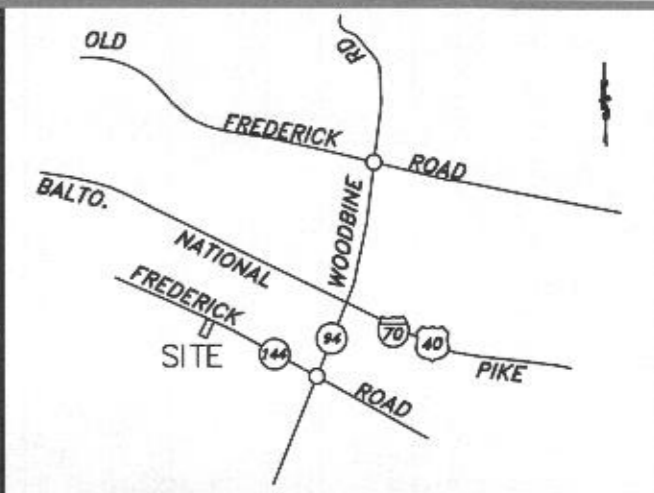
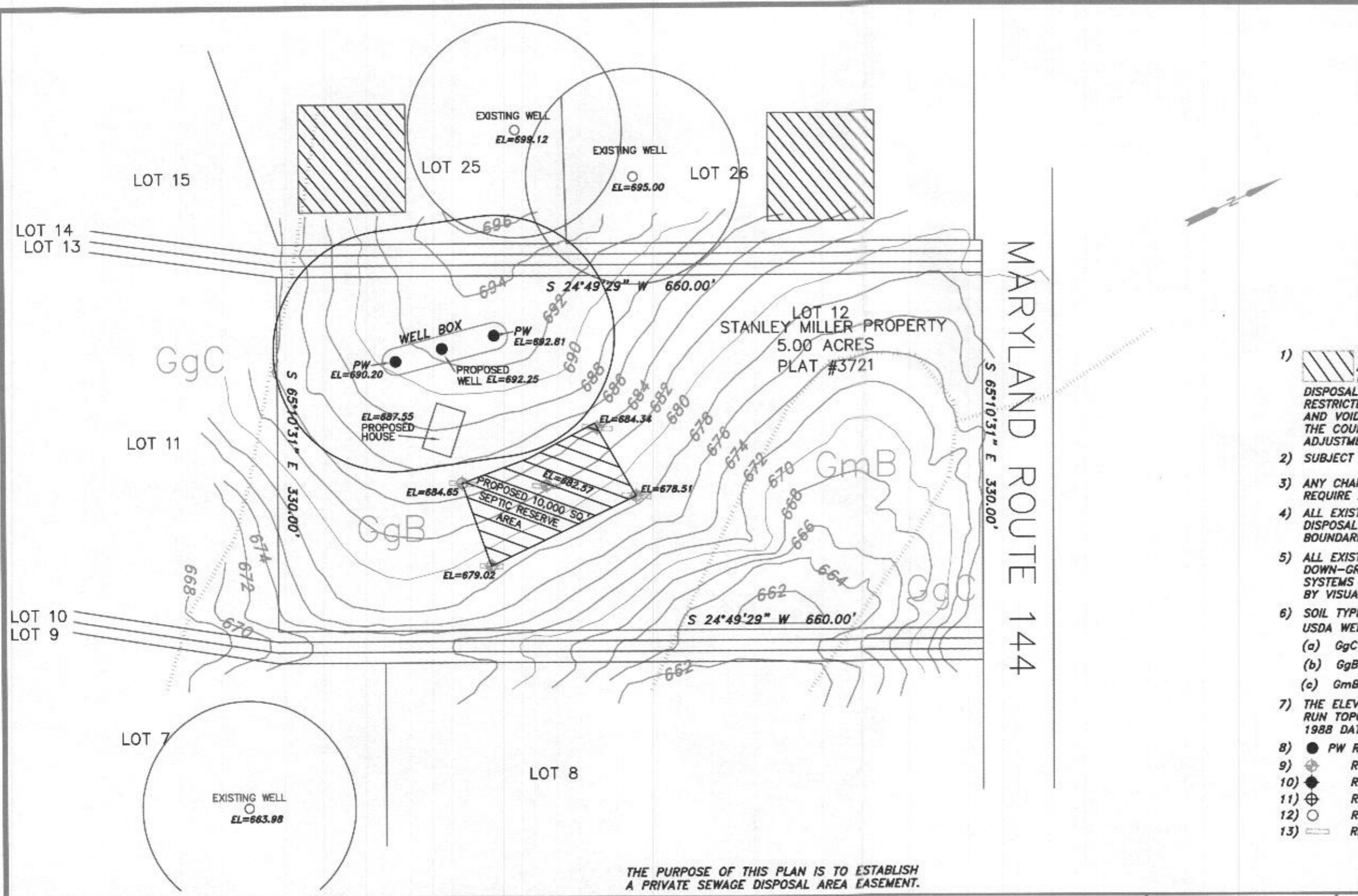
Dear Mrs. Bernard:

Please find enclosed 4 copies of the revised Percolation Certification Plan on Lot 12 Stanley Miller Property, Tax Map 7 Parcel 467, per your comments dated April 27, 2016.

Feel free to call me if you have any questions,

Sincerely,

Richard B. Stouffer
Professional Land Surveyor 21260
NTT Associates, Inc.
Phone: 410-442-2031
Fax: 410-442-1315



VICINITY MAP 1" = 6000'

GENERAL NOTES:

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- 9) ⊕ REPRESENTS PASSED PERC HOLE.
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- 13) □ REPRESENTS TEST PIT OUTLINE.

THE PURPOSE OF THIS PLAN IS TO ESTABLISH A PRIVATE SEWAGE DISPOSAL AREA EASEMENT.

REVISED 5/4/16 SHOW WELL BOX

HOWARD COUNTY, MARYLAND
HEALTH DEPARTMENT

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

HEALTH OFFICER

OWNER

Stanley B. Miller Family Trust
16217 Frederick Road
Woodbine, Maryland 21797
Phone: 410 489 7392

The purpose of this drawing is to facilitate the retesting of percs on existing lot 12 "STANLEY MILLER PROPERTY" PLAT #3721

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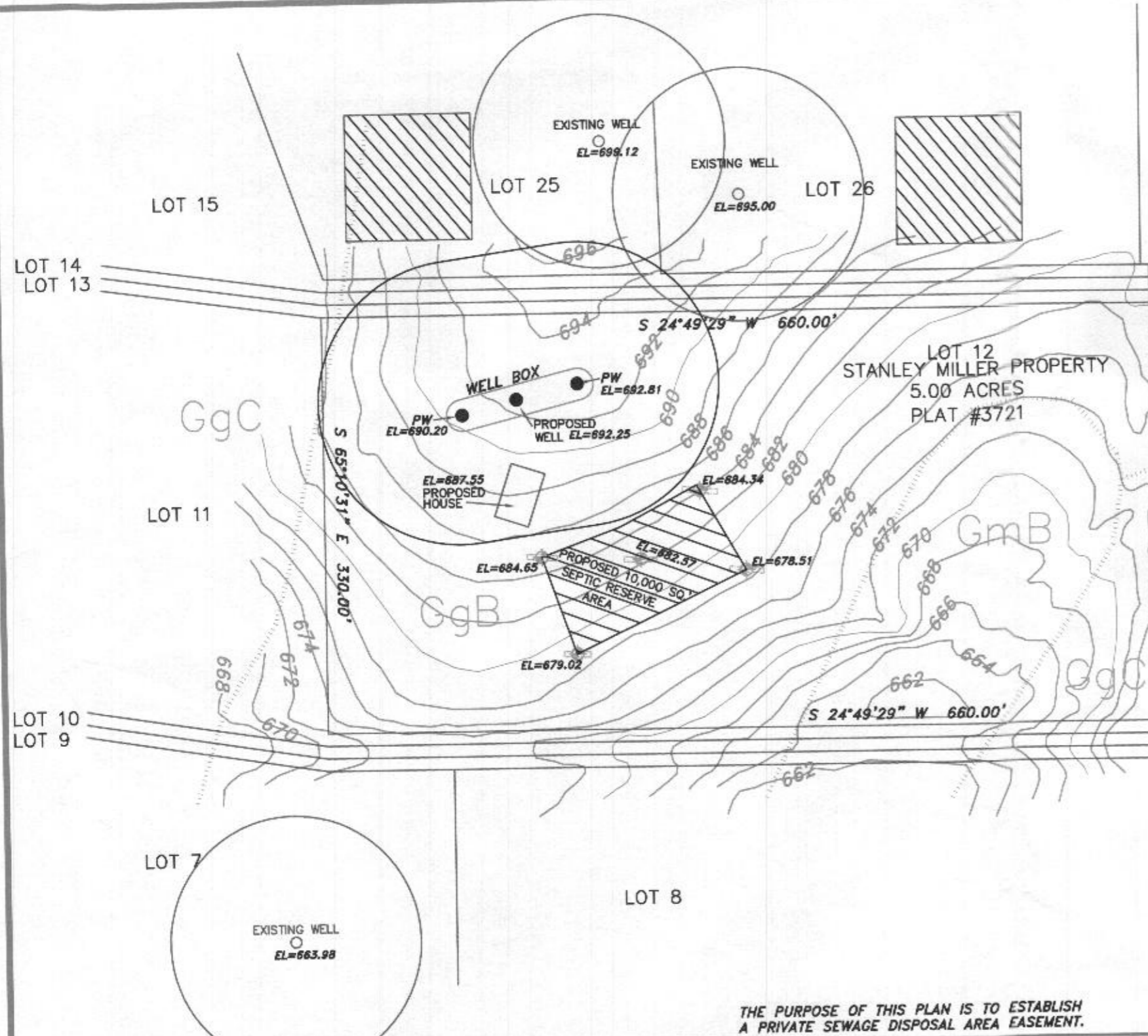
Richard Stouffer # 21260
Expiration Date: 6/14/19

PERCOLATION CERTIFICATION PLAN

LOT 12 STANLEY MILLER PROPERTY
PLAT BOOK 27 PAGE 22
TAX MAP 7, PARCEL 467
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

NTT Associates, Inc.
16205 Old Frederick Rd.
Mt. Airy, Maryland 21771
Phone: (410) 442-2031
Fax: (410) 442-1315
www.nttsurveyors.com

Scale: 1" = 100'
Date: 4/29/16
Field By: JCH
Drawn By: JCH/SCK
File No.: STANLEYMILLER



MARYLAND ROUTE 144



VICINITY MAP 1" = 6000'

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REVISED 5/4/16 SHOW WELL BOX

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APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

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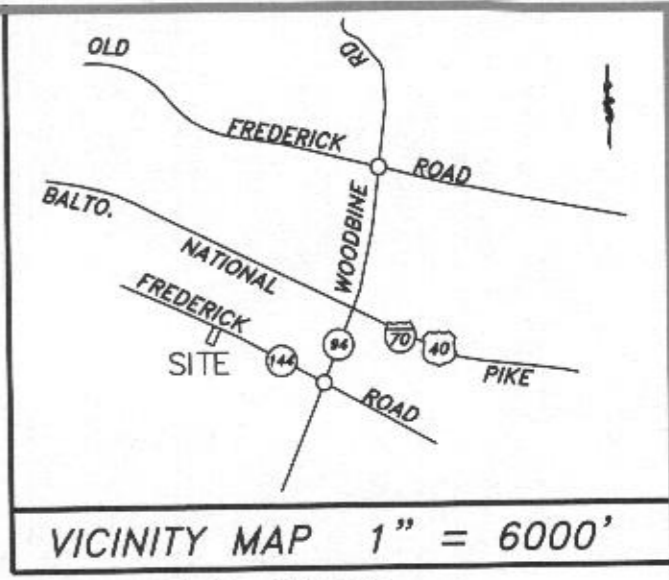
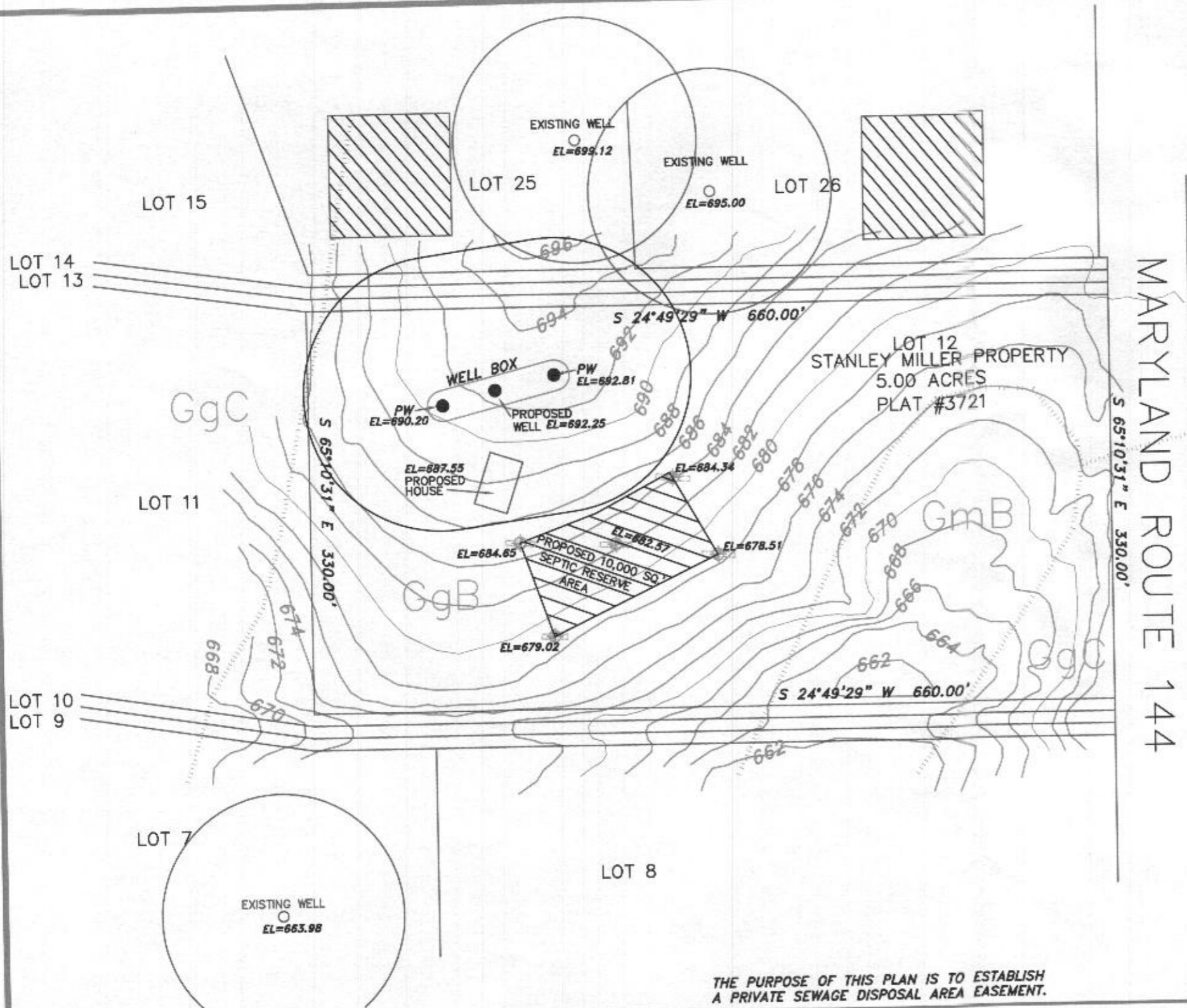
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HOWARD COUNTY, MARYLAND HEALTH DEPARTMENT APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS. HEALTH OFFICER	OWNER Stanley B. Miller Family Trust 16217 Frederick Road Woodbine, Maryland 21797 Phone: 410 489 7392	The purpose of this drawing is to facilitate the retesting of percs on existing lot 12 "STANLEY MILLER PROPERTY" PLAT #3721  This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations.	 Richard Stouffer # 21260 Expiration Date: 6/14/19	PERCOLATION CERTIFICATION PLAN LOT 12 STANLEY MILLER PROPERTY PLAT BOOK 27 PAGE 22 TAX MAP 7, PARCEL 467 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND NTT Associates, Inc. 16205 Old Frederick Rd. Mt. Airy, Maryland 21771 Phone: (410) 442-2031 Fax: (410) 442-1315 www.nttsurveyors.com
				Scale: 1" = 100' Date: 4/29/16 Field By: JCH Drawn By: JCH/SCK File No.: STANLEYMILLER



Office of the Health Officer

8930 Stanford Blvd., Columbia, MD 21045
Main: 410-313-6300 | Fax: 410-313-6303
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org

Facebook: www.facebook.com/hocohealth

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

TO: Mr. James C. Hudgins
NTT Associates, Inc.

FROM: Dana Bernard, REHS/RS
Well and Septic Program

RE: Lot #12 Stanley Miller Property
Percolation Certification Plan

DATE: April 27, 2016

The following comments apply to the Percolation Certification plan prepared by NTT and Associates Inc.

- ✦ Line four seven (4) in the General notes must be removed. All percolation certification plans must be field run and verified by the engineer and must state so in the general notes. Howard County Code requires the topography to be verified/field run at two-foot intervals and a stated in the general notes certifying such. Howard county GIS is adequate in most cases for a test plan, however not for the percolation certification plan.
- ✦ The proposed well on lot # 8 must be removed.
- ✦ Use a well box on property and move box to the right of the proposed house this will allow for the proposed well to be located in a better position. Also change the well symbol in the legend.

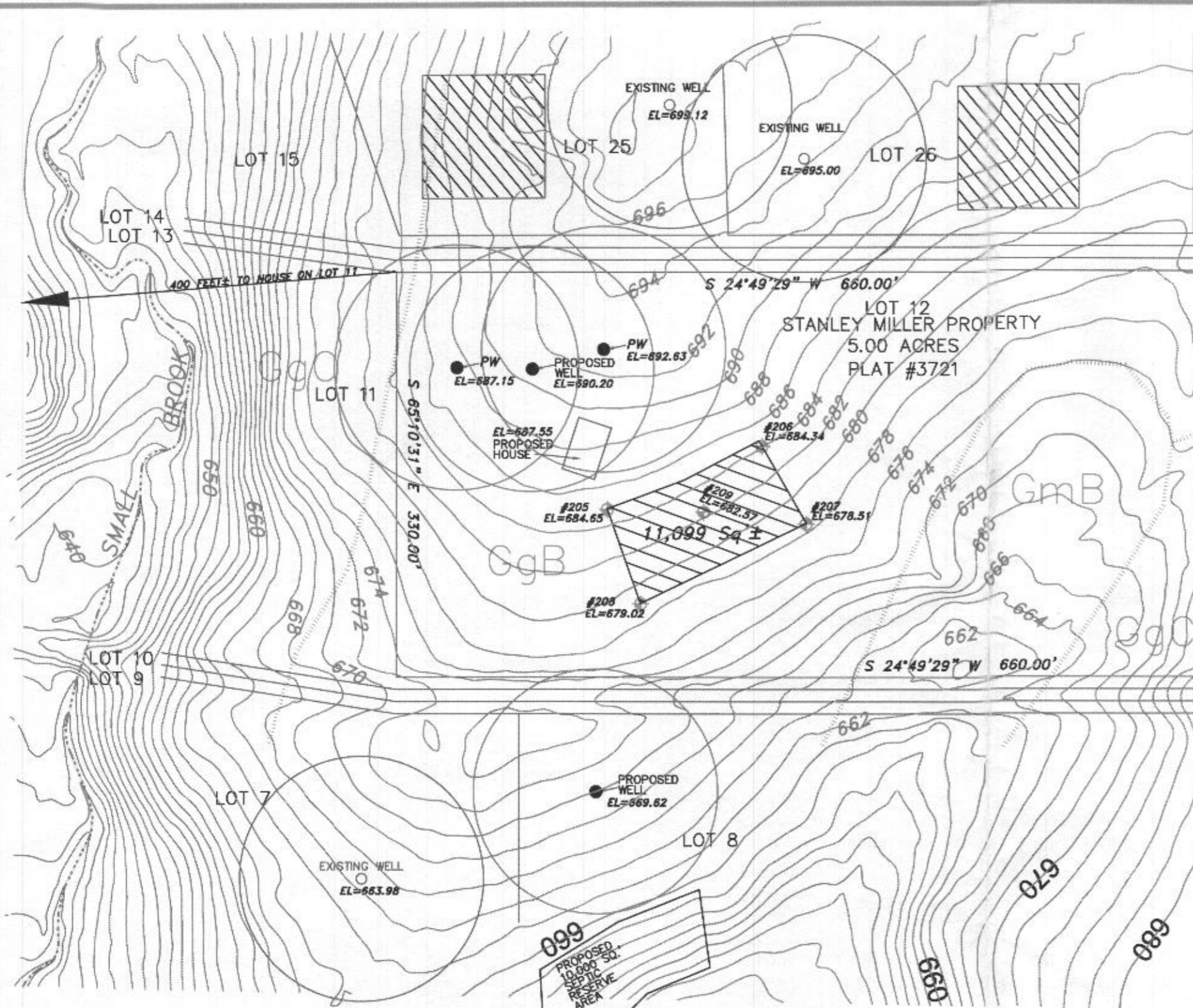
We have had many revisions for this one plan and I think it would be wise for us to meet to discuss your plan before you complete the next revision. Please call me to schedule a meeting if you need any additional help. If you have any questions or correspondence, I can be reached at the above e-mail address or by telephone at (410) 313-2775.

Thank you & Have a*')

(..*')..*')

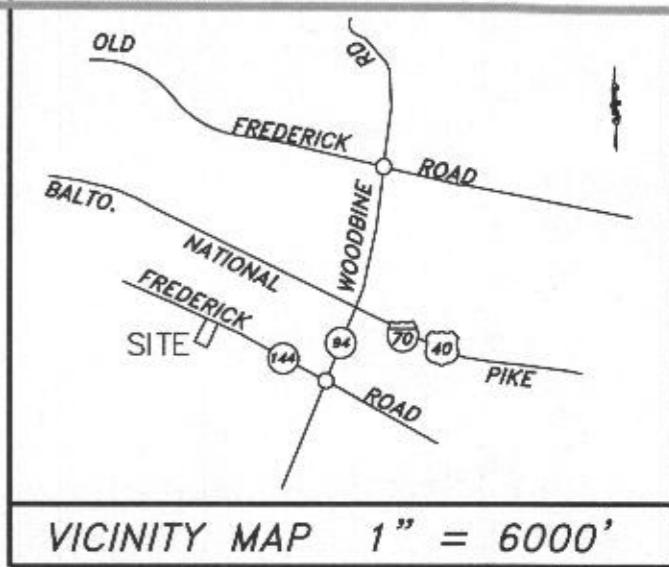
* Wonderful Day!


Dana Bernard, R.E.H.S./L.E.H.S.
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov



MARYLAND ROUTE 144

S 65°10'31" E 330.00'



GENERAL NOTES:

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HOWARD COUNTY, MARYLAND
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HEALTH OFFICER, HOWARD COUNTY HEALTH. DEPT. DATE

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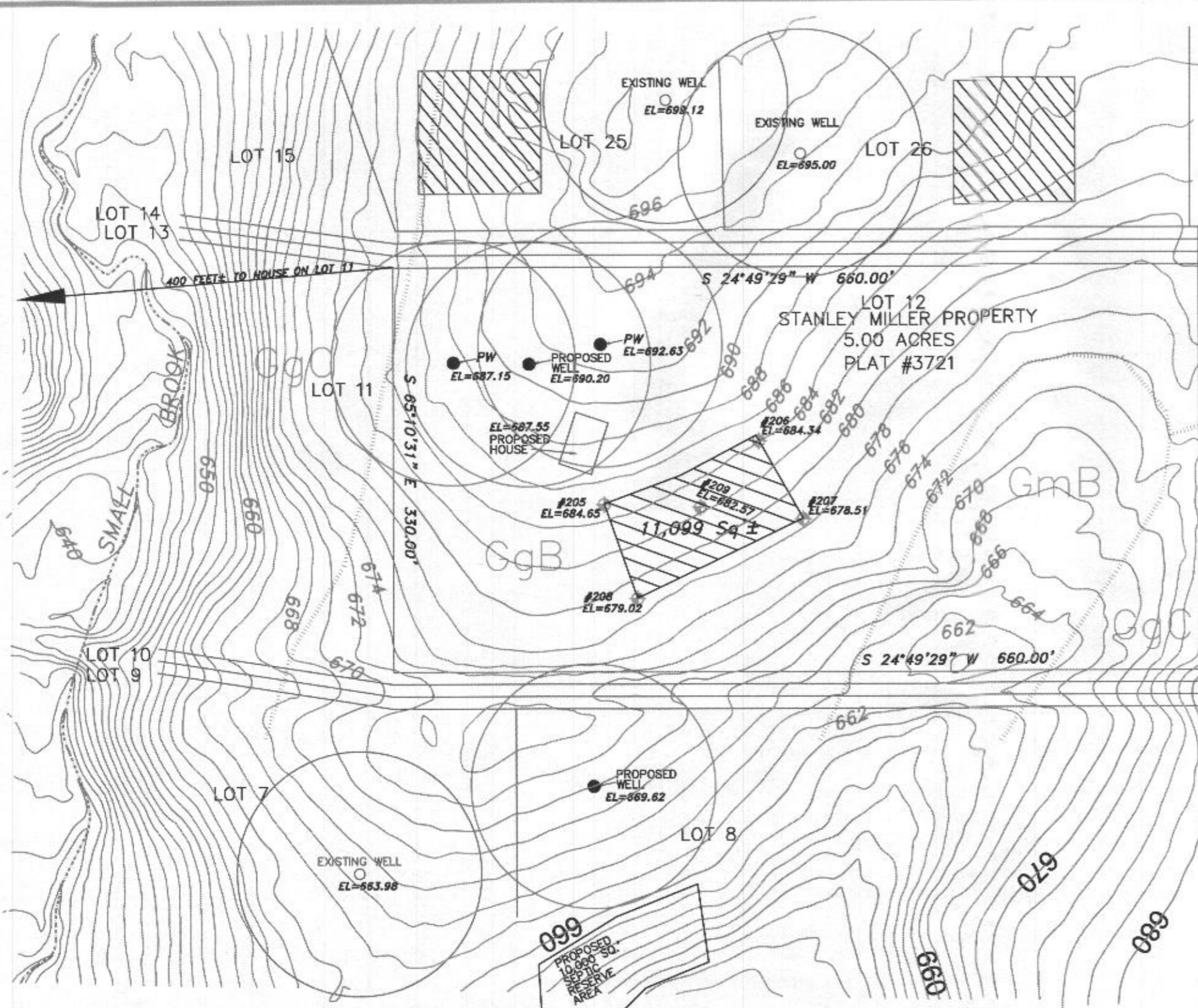
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PERCOLATION CERTIFICATION PLAN

LOT 12 STANLEY MILLER PROPERTY
PLAT BOOK 27 PAGE 22 & PLAT 3721
TAX MAP 7, PARCEL 467
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

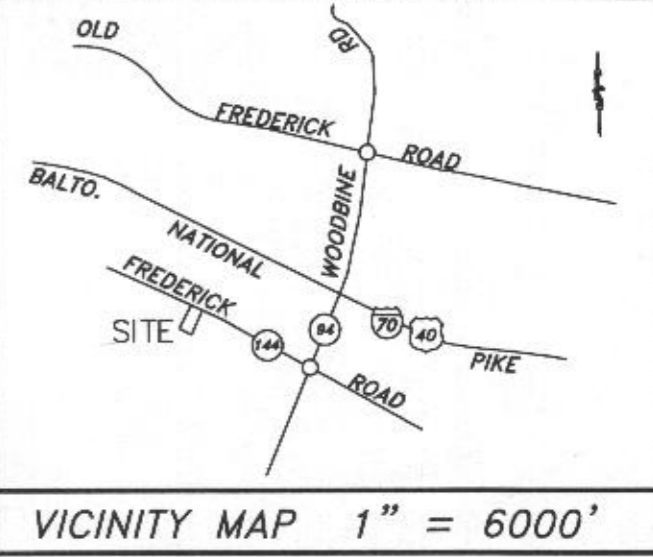
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MARYLAND ROUTE 144

S 65°10'31" E 330.00'



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HOWARD COUNTY, MARYLAND
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APPROVED FOR PRIVATE WATER AND
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HEALTH OFFICER, HOWARD COUNTY HEALTH. DEPT. DATE

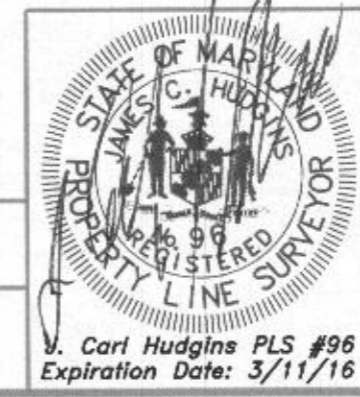
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0' 100' 200' 300'

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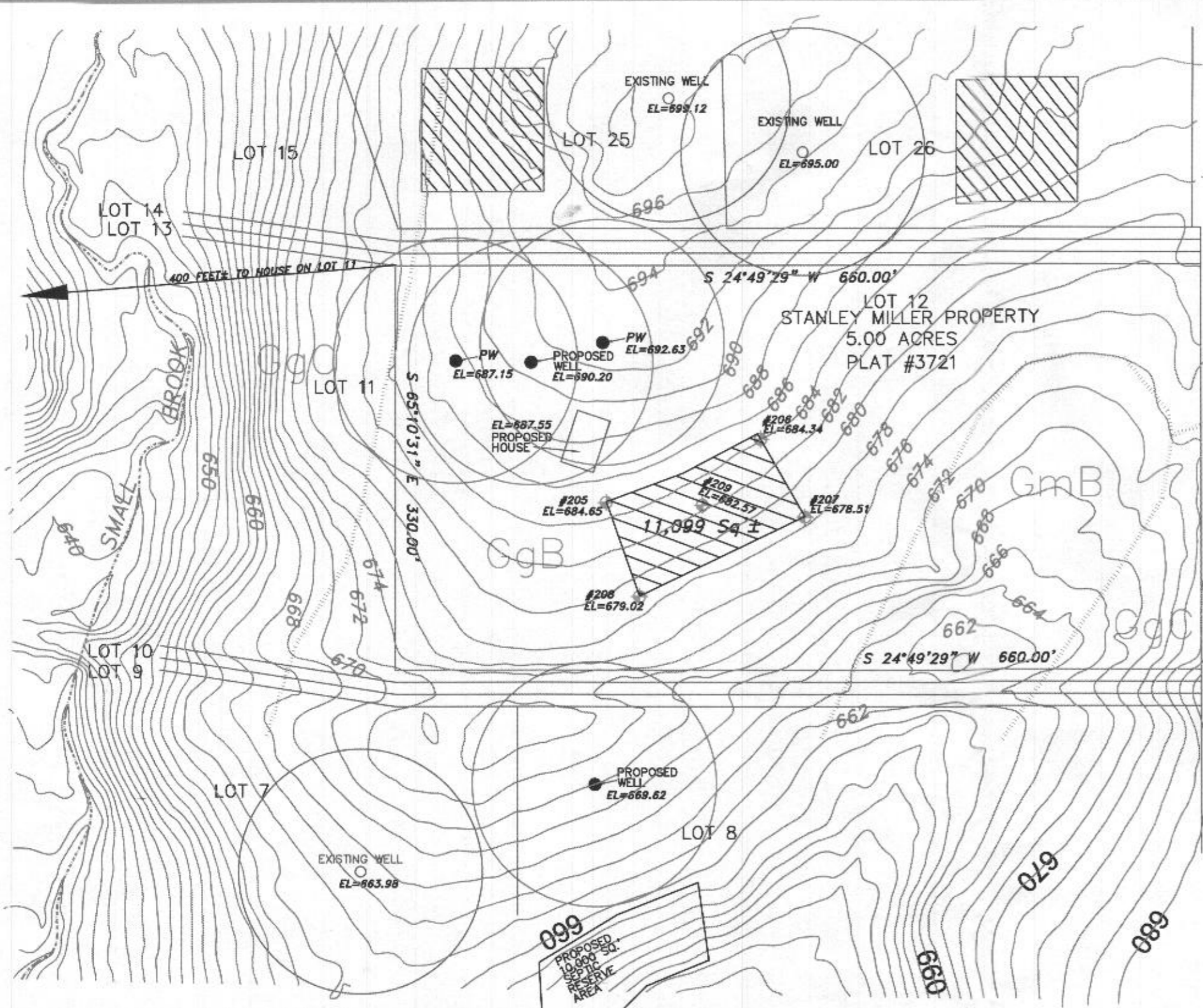


PERCOLATION CERTIFICATION PLAN

LOT 12 STANLEY MILLER PROPERTY
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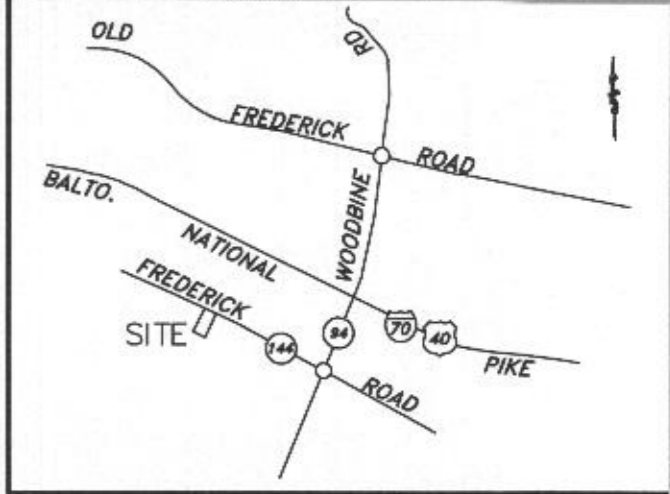
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MARYLAND ROUTE 144

S 65°10'31" E 330.00'



VICINITY MAP 1" = 6000'

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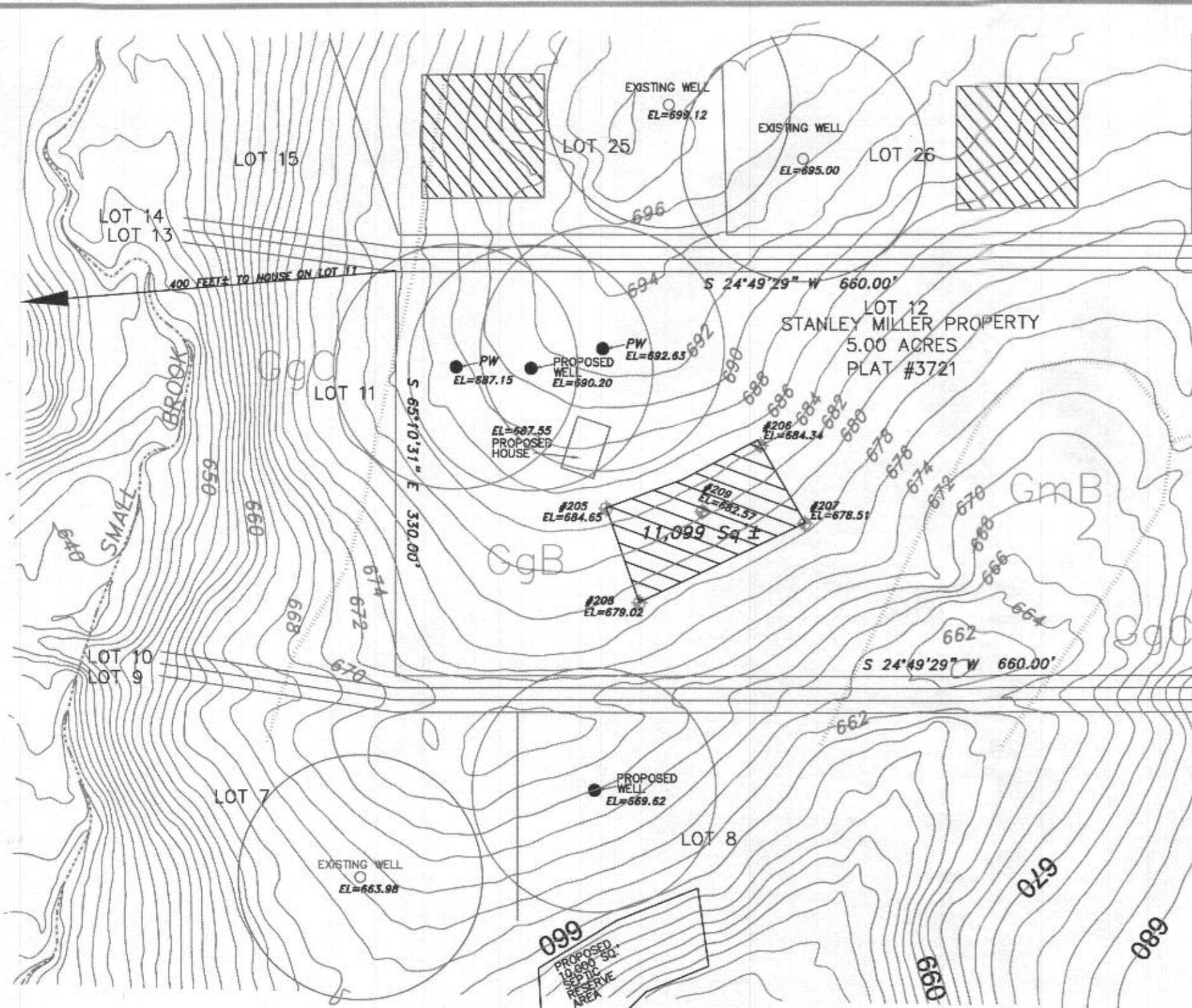
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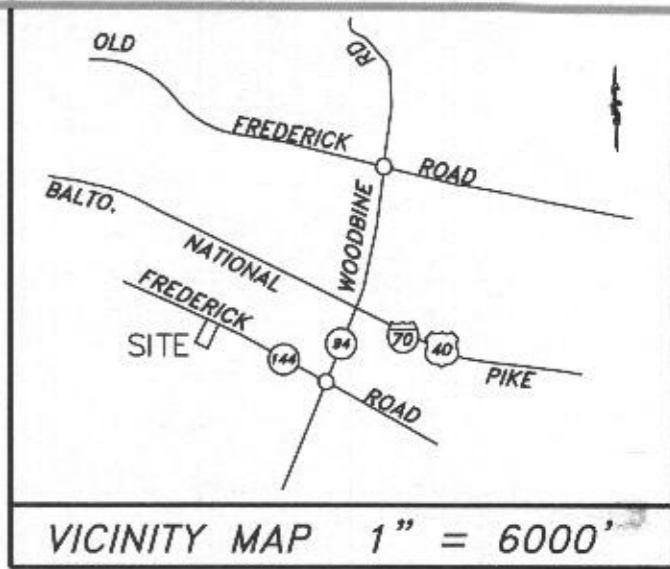
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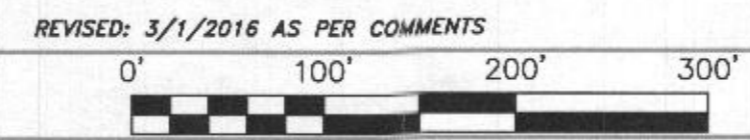
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Phone: 410-489-7392



This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations.

J. Carl Hudgins PLS #96
Expiration Date: 3/11/16

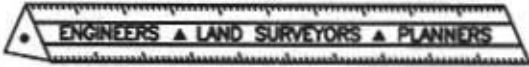
PERCOLATION CERTIFICATION PLAN

LOT 12 STANLEY MILLER PROPERTY
PLAT BOOK 27 PAGE 22 & PLAT 3721
TAX MAP 7, PARCEL 467
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

NTT Associates, Inc.
16205 Old Frederick Rd.
Mt. Airy, Maryland 21771
Phone: (410) 442-2031
Fax: (410) 442-1315
www.nttsurveyors.com

Scale: 1" = 100'
Date: 8/20/15
Field By: JCH
Drawn By: JCH/SCK
File No.: STANLEYMILLER

BENCHMARK



ENGINEERING, INC.

8480 Baltimore National Pike • Suite 315 • Ellicott City, Maryland 21043
410-465-6105 410-465-6644 (Fax)

LETTER OF TRANSMITTAL

DATE	8/18/17	PROJECT No.	2850
ATTENTION	Tara Bernard		
RE:	Stanley B. Miller Lot 12		
	Revised Perc Cert		

TO: Health Dept.

WE ARE SENDING YOU Attached Under separate cover via _____ the following items

- | | | | |
|---|--|---------------------------------------|--------------------------------------|
| <input type="checkbox"/> Photocopies | <input checked="" type="checkbox"/> Prints | <input type="checkbox"/> Originals | <input type="checkbox"/> Samples |
| <input type="checkbox"/> Specifications | <input type="checkbox"/> Invoices | <input type="checkbox"/> Change Order | <input type="checkbox"/> Other _____ |

COPIES of	No. of SHEETS	DESCRIPTION
3	1	Revised Perc Cert



THESE ARE TRANSMITTED as checked below

- | | | |
|--------------------------------------|---------------------------------------|--|
| <input type="checkbox"/> For Comment | <input type="checkbox"/> For your use | <input checked="" type="checkbox"/> For Approval |
| <input type="checkbox"/> For Review | <input type="checkbox"/> As requested | <input checked="" type="checkbox"/> Other <u>Signature</u> |

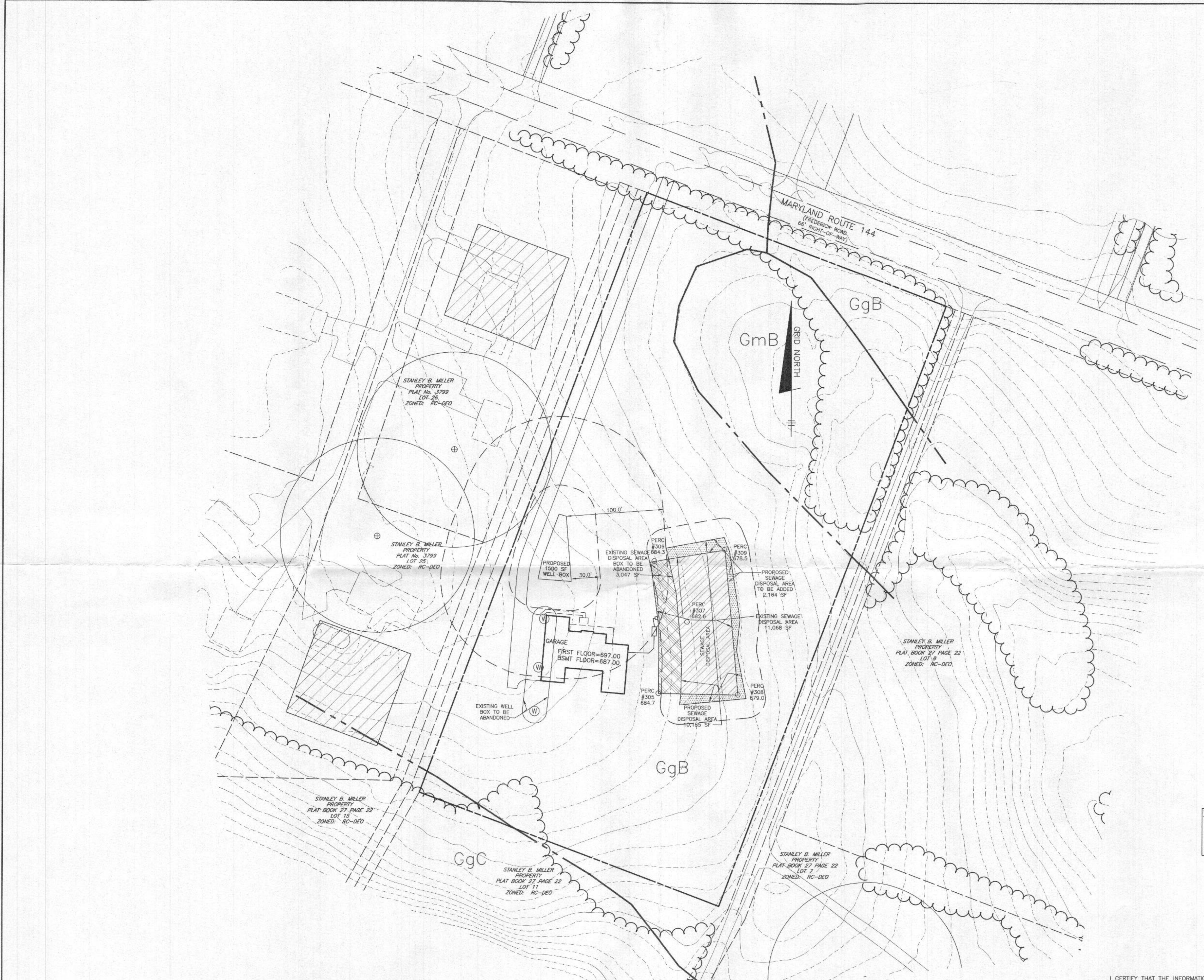
REMARKS: ① General Note 5 has been removed. ② General Note 6 has been revised to reflect the topo has been verified by field run survey info. ③ General Note 11 has been revised to reflect that the original ~~top~~ perc cert was done by NTH we no longer say "based on". ④ Added: Bearing Distances. Verified Elevations as shown.

COPY TO: _____

RECEIVED BY: [Signature]

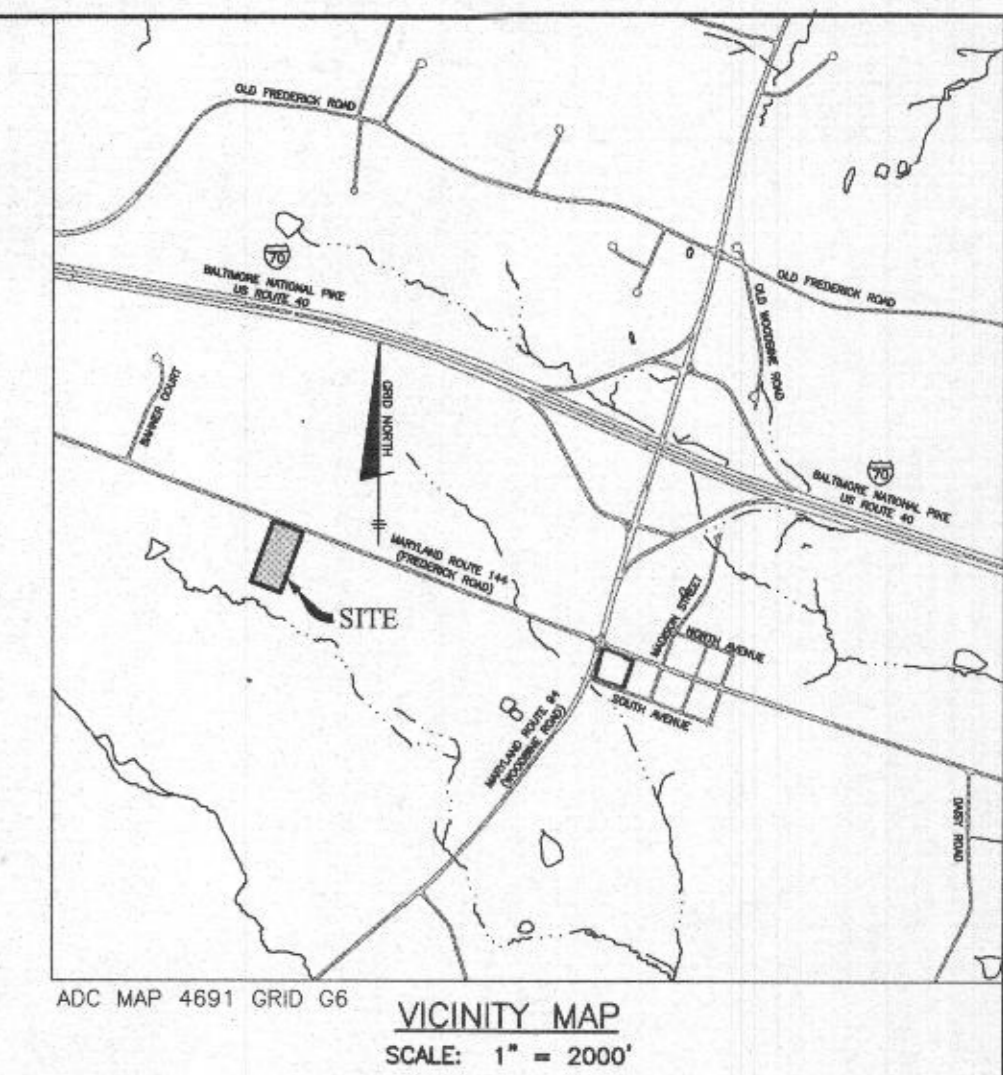
If enclosures are not as noted, kindly notify us at once.

SIGNED: [Signature]



LEGEND

SOILS CLASSIFICATION	GgB
SOILS DELINEATION	45°
EXISTING CONTOURS (GIS)	57.5
PROPOSED STRUCTURE	[Symbol]
PROPOSED WELL BOX	[Symbol]
EXISTING SEWAGE DISPOSAL AREA	[Symbol]
PROPOSED SEWAGE DISPOSAL AREA REVISION (ADDITION)	[Symbol]
EXISTING SEWAGE DISPOSAL AREA (TO BE REMOVED)	[Symbol]
PERCOLATION TEST PASSED (5/5/2015)	○
EXISTING WELL LOCATION	⊕



GENERAL NOTES

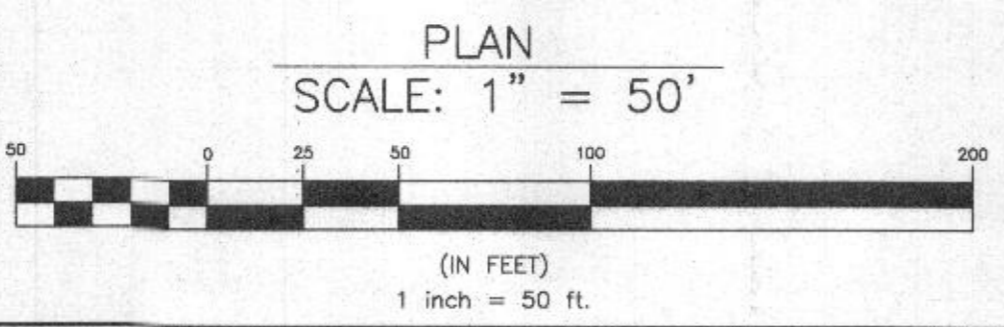
- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA. RECORDATION OF A MODIFIED SEWAGE DISPOSAL AREA SHALL NOT BE NECESSARY.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT. THE LOT SIZE FOR THIS LOT WILL FULFILL THE REQUIREMENTS OF THE ZONING REGULATIONS.
- ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY'S BOUNDARIES EXCEPT THAT WHICH ARE SHOWN. INFORMATION CONCERNING THE ADJOINING PROPERTIES HAS BEEN OBTAINED FROM THE BUREAU OF ENVIRONMENTAL HEALTH, HOWARD COUNTY GIS, AND THE ENGINEER/SURVEYOR OF THE ORIGINAL PERCOLATION CERTIFICATION.
- THE EXISTING TOPOGRAPHY SHOWN IS TAKEN FROM HOWARD COUNTY GIS AND HAS BEEN FIELD VERIFIED BY FIELD SURVEY SHOTS DONE BY BENCHMARK ENGINEERING, INC., DATED 08/2017.
- WELL TO BE DRILLED PRIOR TO BUILDING PERMIT ISSUANCE. IT IS THE OWNER'S RESPONSIBILITY TO SCHEDULE WELL DRILLING PRIOR TO BUILDING PERMIT REQUEST. IT WILL NOT BE CONSIDERED GOVERNMENT DELAY IF THE WELL-DRILLING HOLDS UP THE HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT.
- PERCOLATION TEST FEE RECEIPT NUMBER, REFERENCED IN THE APPROVING AUTHORITY-CORRESPONDENCE, IS: A55-5807.
- THE PURPOSES OF THIS REVISED PERCOLATION CERTIFICATION IS TO ADJUST EXISTING PRIVATE SEWAGE DISPOSAL AREA ON LOT 12 AND TO REVISE THE THREE SPECIFIC WELL LOCATIONS WITH A 1500 SQ. FT. OF WELL ZONE WITH ELLIPTICAL RADIUS OF 100 FEET AROUND THE ENTIRE WELL ZONE DUE TO REVISED BUILDING ENVELOPE.
- ANY MICRO-BIORETENTION FACILITIES WITHIN 100 FEET OF A WELL, AS MEASURED FROM THE WELL BOX TO THE FILTER MEDIA, SHALL BE LINED. LINING WILL BE IN ACCORDANCE WITH THE STORMWATER MANAGEMENT DETAIL AS SHOWN ON THE FINAL CONSTRUCTION PLAN. MICRO-BIORETENTION FACILITIES ARE NOT ALLOWED WITHIN 50' OF WELL OR WELL BOXES.
- THE ORIGINAL PERCOLATION CERTIFICATION PLAN FOR THIS PROPERTY WAS PREPARED AND CERTIFIED BY NTL ASSOCIATES, INC., DATED 4/29/16 AND LAST REVISED ON 6/28/17. THE CERTIFICATION PLAN WAS SIGNED BY THE HEALTH OFFICER ON 7/31/17.

THIS REVISED PERCOLATION CERTIFICATION PLAN IS FOR THE FOLLOWING:

- WELL BOXES: LOT 12
- SEPTIC DISPOSAL AREAS: LOT 12

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND

SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME	k-VALUE
GgB		B		GLENELG LOAM, 3 TO 8 PERCENT SLOPES	0.20
GgC		B		GLENELG LOAM, 8 TO 15 PERCENT SLOPES	0.20
GmB*	YES	C		GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	0.37



I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John Carney 8/23/17
 PLAN PREPARER
 JOHN CARNEY, P.E.
 FOR BENCHMARK ENGINEERING, INC.

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

Mauro Roszman 8/23/2017
 HOWARD COUNTY HEALTH OFFICER DATE

BENCHMARK ENGINEERING, INC.
 ENGINEERS • LAND SURVEYORS • PLANNERS
 8480 BALTIMORE NATIONAL PIKE & SUITE 315 • ELICOTT CITY, MARYLAND 21043
 (P) 410-465-8105 (F) 410-465-8644
 WWW.BE-CMENGINEERING.COM
 BE0691-CMENGINEERING.COM

OWNER:
 STANLEY B. MILLER TRUSTEE
 16489 FREDERICK ROAD
 WOODBINE, MD 21797

CONTRACT PURCHASER:
 SHEREE STEDDING
 3140 CELINA LANE
 MELBOURNE, FLORIDA 32934

PROJECT:
 STANLEY B. MILLER PROPERTY
 LOT 12

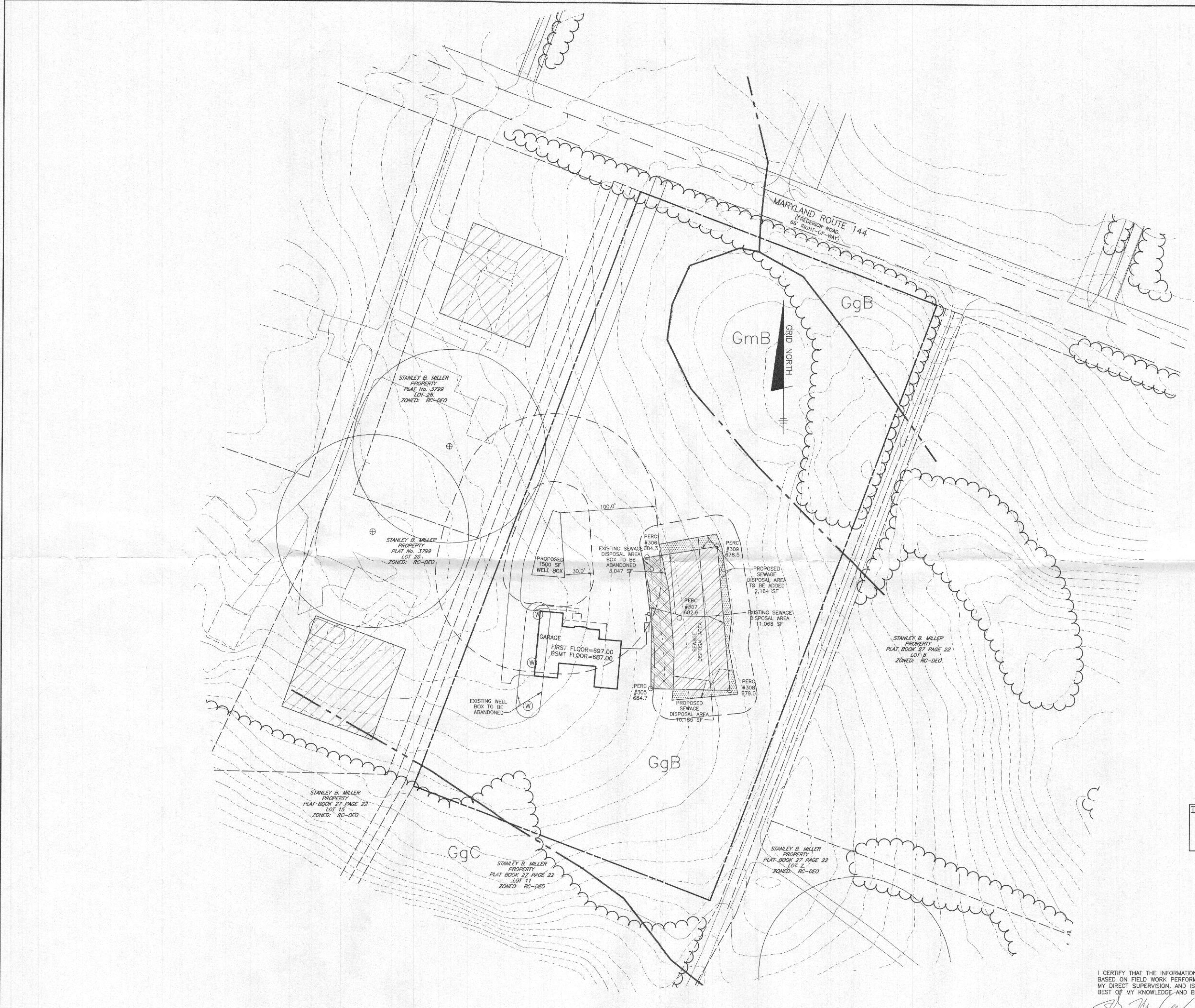
LOCATION: TAX MAP: 07, GRID: 10, PARCEL 467
 16463 FREDERICK ROAD
 WOODBINE, MD 21797
 FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 ACCOUNT IDENTIFIED 04-334930

TITLE:
 REVISED PERCOLATION CERTIFICATION PLAN

DATE: AUGUST, 2017 **PROJECT NO.:** 2850

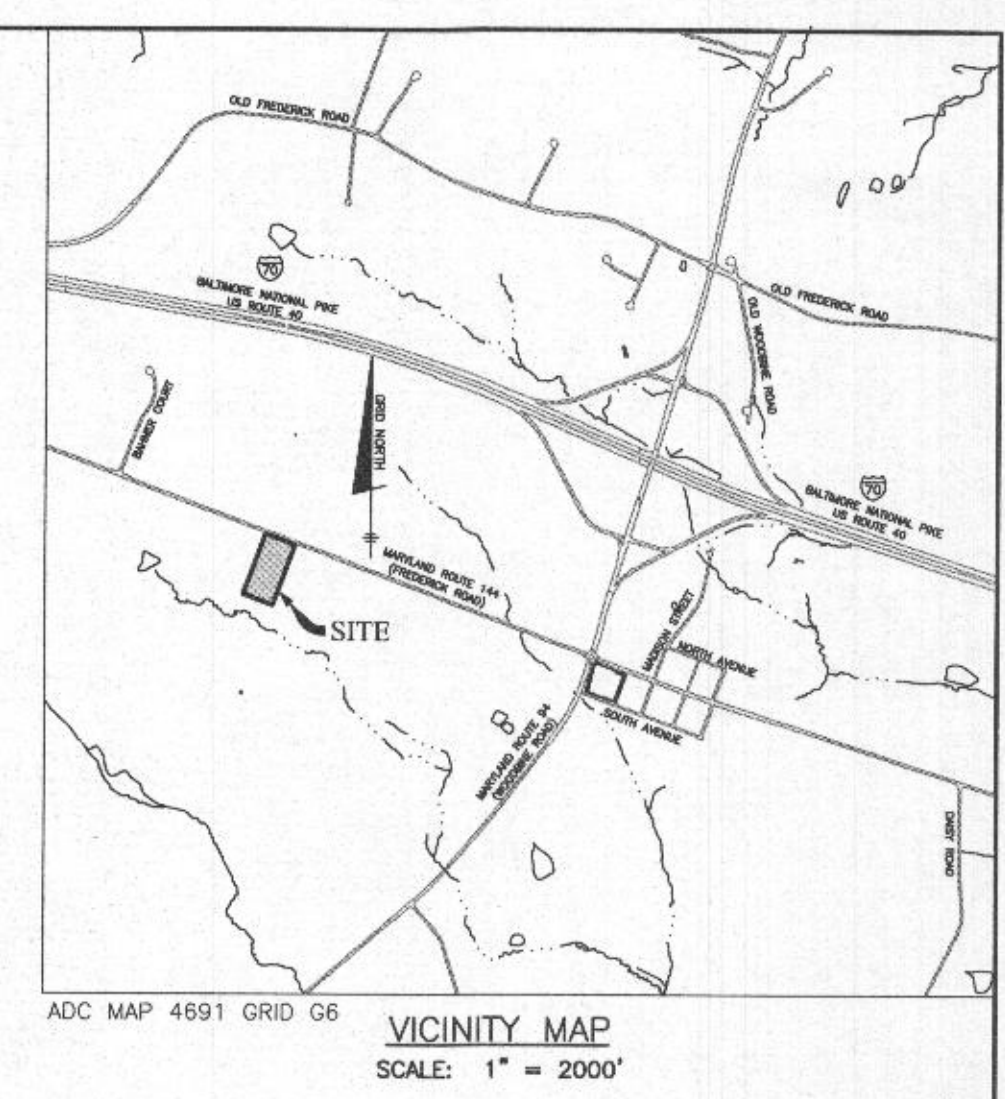
DRAFT: CBD **DESIGN:** JC **CHECK:** - **SCALE:** 1" = 100' **SHEET** 1 **OF** 1

* INDICATES HYDRIC SOILS
 ** HIGHLY ERODIBLE, Kc=0.35, AND/OR 15% OR GREATER SLOPES
 TAKEN FROM THE NRCS WEB SOIL SURVEY, AUGUST 2017. SHEET 2



LEGEND

SOILS CLASSIFICATION	GgB
SOILS DELINEATION	48/1
EXISTING CONTOURS (GIS)	3/75
PROPOSED STRUCTURE	[Symbol]
PROPOSED WELL BOX	[Symbol]
EXISTING SEWAGE DISPOSAL AREA	[Symbol]
PROPOSED SEWAGE DISPOSAL AREA REVISION (ADDITION)	[Symbol]
EXISTING SEWAGE DISPOSAL AREA (TO BE REMOVED)	[Symbol]
PERCOLATION TEST PASSED (5/5/2015)	⊕
EXISTING WELL LOCATION	⊙



GENERAL NOTES

1. THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL 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 DISPOSAL AREA. RECORDATION OF A MODIFIED SEWAGE DISPOSAL AREA SHALL NOT BE NECESSARY.
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7. PERCOLATION TEST FEE RECEIPT NUMBER, REFERENCED IN THE APPROVING AUTHORITY CORRESPONDENCE, IS A555809.
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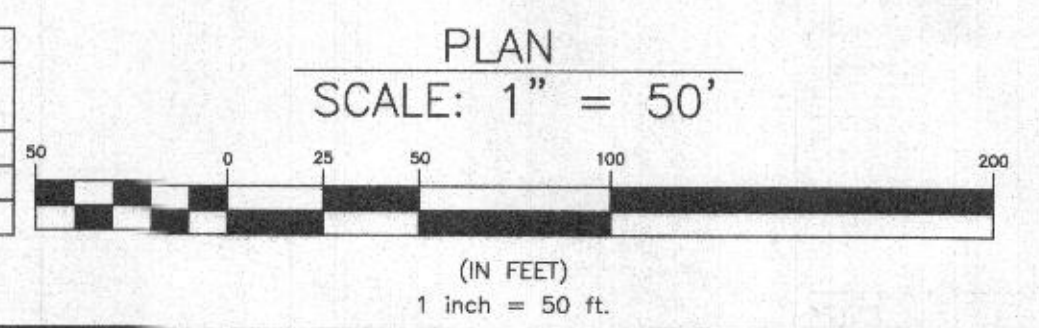
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1. WELL BOXES: LOT 12
2. SEPTIC DISPOSAL AREAS: LOT 12

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND

SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME	K-VALUE
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GgC		B		GLENELG LOAM, 8 TO 15 PERCENT SLOPES	0.20
GmB*	YES	C		GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	0.37

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 ** HIGHLY ERODIBLE, K<0.35, AND/OR 15% OR GREATER SLOPES
 TAKEN FROM THE NRCS WEB SOIL SURVEY, AUGUST 2017. SHEET 2



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J. M. Carney 8/23/17

PLAN PREPARER
 JOHN CARNEY, P.E.
 FOR BENCHMARK ENGINEERING, INC.

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

6/23/2017
 HOWARD COUNTY HEALTH OFFICER DATE

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OWNER:
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 WOODBINE, MD 21797

CONTRACT PURCHASER:
 SHEREE STEDDING
 3140 CELINA LANE
 MELBOURNE, FLORIDA 32934

PROJECT:
STANLEY B. MILLER PROPERTY LOT 12

LOCATION: TAX MAP: 07, GRID: 10, PARCEL 467
 16463 FREDERICK ROAD
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 FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 ACCOUNT IDENTIFIED 04-334930

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 SCALE: 1" = 100' SHEET 1 OF 1

DRAFT: CBD DESIGN: JC CHECK: --