



HOWARD COUNTY HEALTH DEPARTMENT

59799

DATE
10/18/16

AS

Received From
Stephanie Foster
PHONE # 410-541-4103

For

Two App/ 3226 Be one plus

<input type="checkbox"/> CASH
<input type="checkbox"/> CHECK
NO. CC

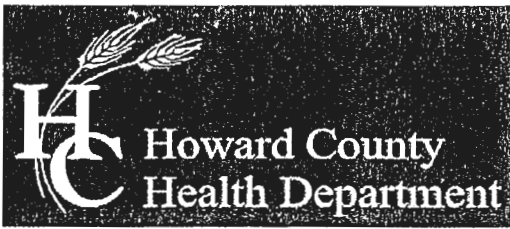
Five hundred only

Dollars

\$ 500.00

Received By

King



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

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

02-2K345

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

A559799

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME LT VENTURES

PROPERTY ADDRESS 3226 BOONES LANE ELICOTT CITY MD 21042

TAX ACCOUNT # TAX MAP 0024 GRID 0001 PARCEL 0609 LOT NO. PROPOSED LOT SIZE (ACRES) 1.666

ZONING CATEGORY B-22 TIER

PROPERTY OWNER(S) STEPHANIE POETA

DAYTIME PHONE 410-465-4103 CELL 443-996-2117 EMAIL sporta@verizon.net

MAILING ADDRESS 10353 BALTIMORE NAT PINE ELICOTT CITY MD 21042

APPLICANT STEPHANIE POETA RELATIONSHIP TO OWNER:

DAYTIME PHONE SAME AS OWNER CELL EMAIL

MAILING ADDRESS STREET CITY, STATE ZIP

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

PROPERTY:

- PROPERTY: SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR MINOR CONSTRUCT NEW OSDS ON UNDEVELOPED LOT REPAIR OR REPLACE FAILING OSDS UPGRADE EXISTING OSDS

BUILDING:

- BUILDING: RESIDENTIAL WITH 2 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

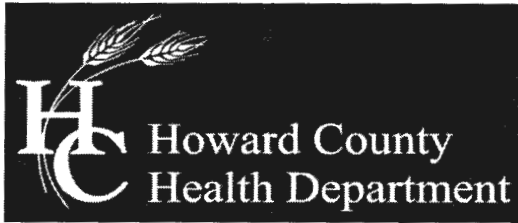
- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT. THE APPLICATION FEE IS NON-REFUNDABLE THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

SIGNATURE OF APPLICANT

DATE 10/15/16



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

November 9, 2016

To: Stephanie Porta

Percolation Test Report; 3226 Boones Lane, Ellicott City, MD 21042

Percolation tests were conducted at 3226 Boones Lane (Tax Map 24, Parcel 609) on November 1, 2016. Tests and profile descriptions were documented for 6 locations.

Percolation test holes 5 **failed** due to too much rock. Percolation test holes 6 not designated on the plan also failed due to too much rock and being in too close proximity of the neighbors hand dug well. All remaining test holes passed.

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 the septic reserve area are represented by test locations having satisfactory soil condition. The area must be large enough to **accommodate 2 systems** for the planned residence.

The next step in the process is to have an engineer/consultant submit a percolation certification plan to confirm the design of the septic reserve area.

Please note that the topography must be field run and verified. The existing septic tank and trenches must be shown on the plan. In addition, the well for this lot must be drilled prior to signature of the final plat and before the release of any building permit.

Should you have any questions regarding this evaluation please contact me. I may be reached at (410) 313-1786 or by email hoswald@howardcountymd.gov

Respectfully,

Hank Oswald

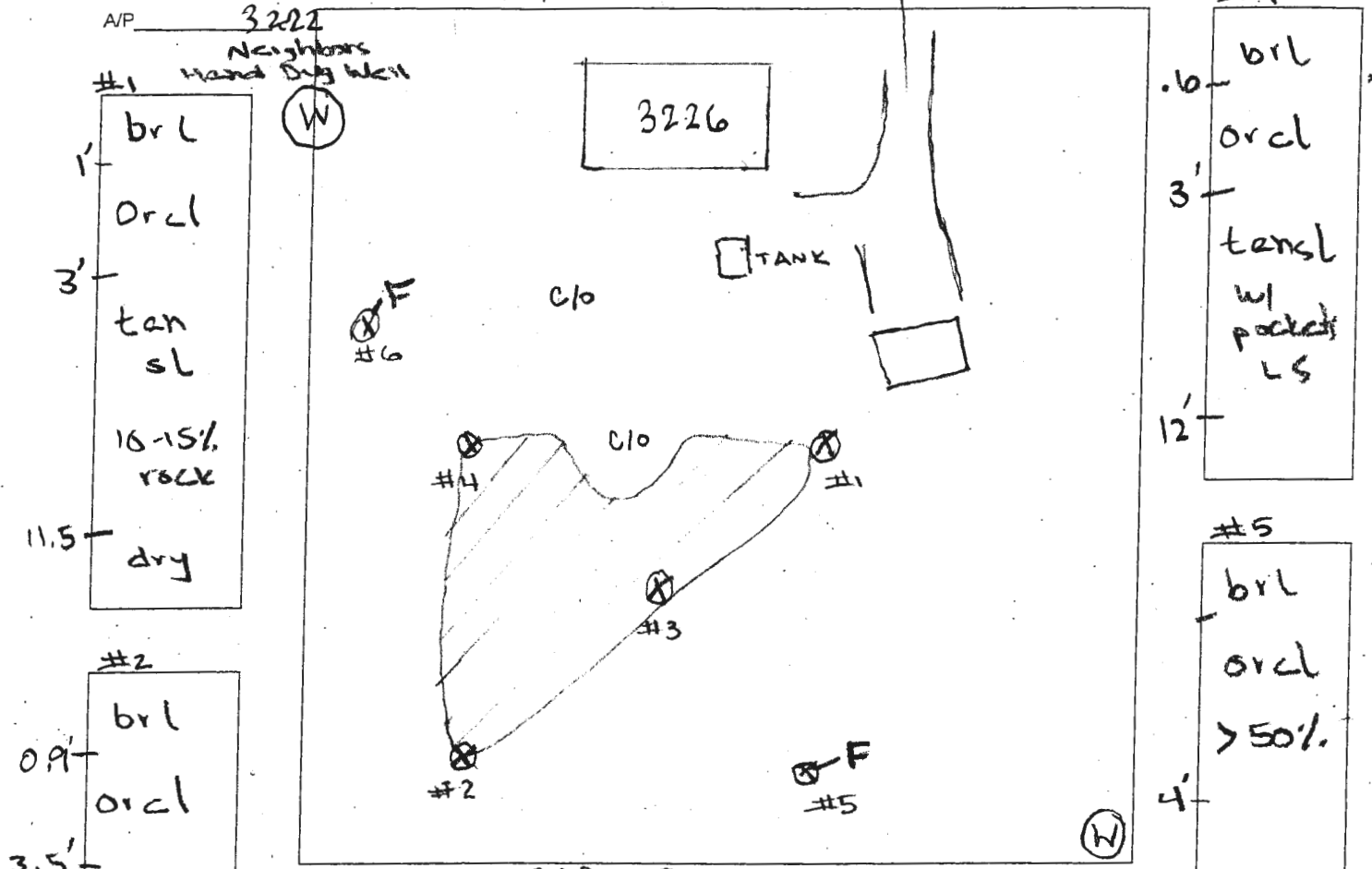
Hank Oswald, L.E.H.S
Bureau of Environmental Health
Well & Septic Program

Attachment: Percolation Field Notes

To Boones Lane

A559799

NOT TO SCALE



3226 Boones Lane

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/1	1	5/11.5	851	854	902	8	P
11/1	2	5/11	1013	1030	1058	28	P
11/1	3	4.5/12	909	923	940	17	P
11/1	4	5/12	934	—	938	2	P
11/1	5	1/4					F
11/1	6	1/4-6					F

REMARKS holes 5 & 6 had > 50% rock
 SANITARIAN H. Oswald BACKHOE Mrs. Porta's Father OTHERS Mrs. Porta
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

#1
 1' brl
 3' Orcl
 tan sl
 16-15% rock
 11.5' dry

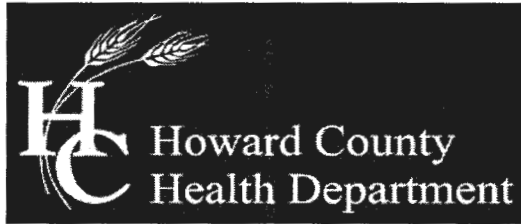
#2
 0.9' brl
 3.5' Orcl
 25-30% rock
 tan sl
 mica
 11' water

#3
 brl
 3' Orcl
 tan sl
 pockets or LS
 12' dry

#4
 .6' brl
 3' Orcl
 tan sl
 w/ pockets LS
 12'

#5
 brl
 Orcl
 > 50%
 4'

#6
 Orcl
 w rock
 > 50%
 5.5'



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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 3226 Boones Lane

Subdivision: Lot:

Initial system: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 7.5

1st Replacement: Application rate: 0.4 Effective area beginning depth: 3 Bottom maximum depth: 8

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

Design Flow = 150 gallons per day per bedroom 450

Design flow + application rate = square footage of drainfield required 5025

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width 26.31

Sidewall reduction credit formula:

(W + 2) / (W + 1 + 2D) x 100 = Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

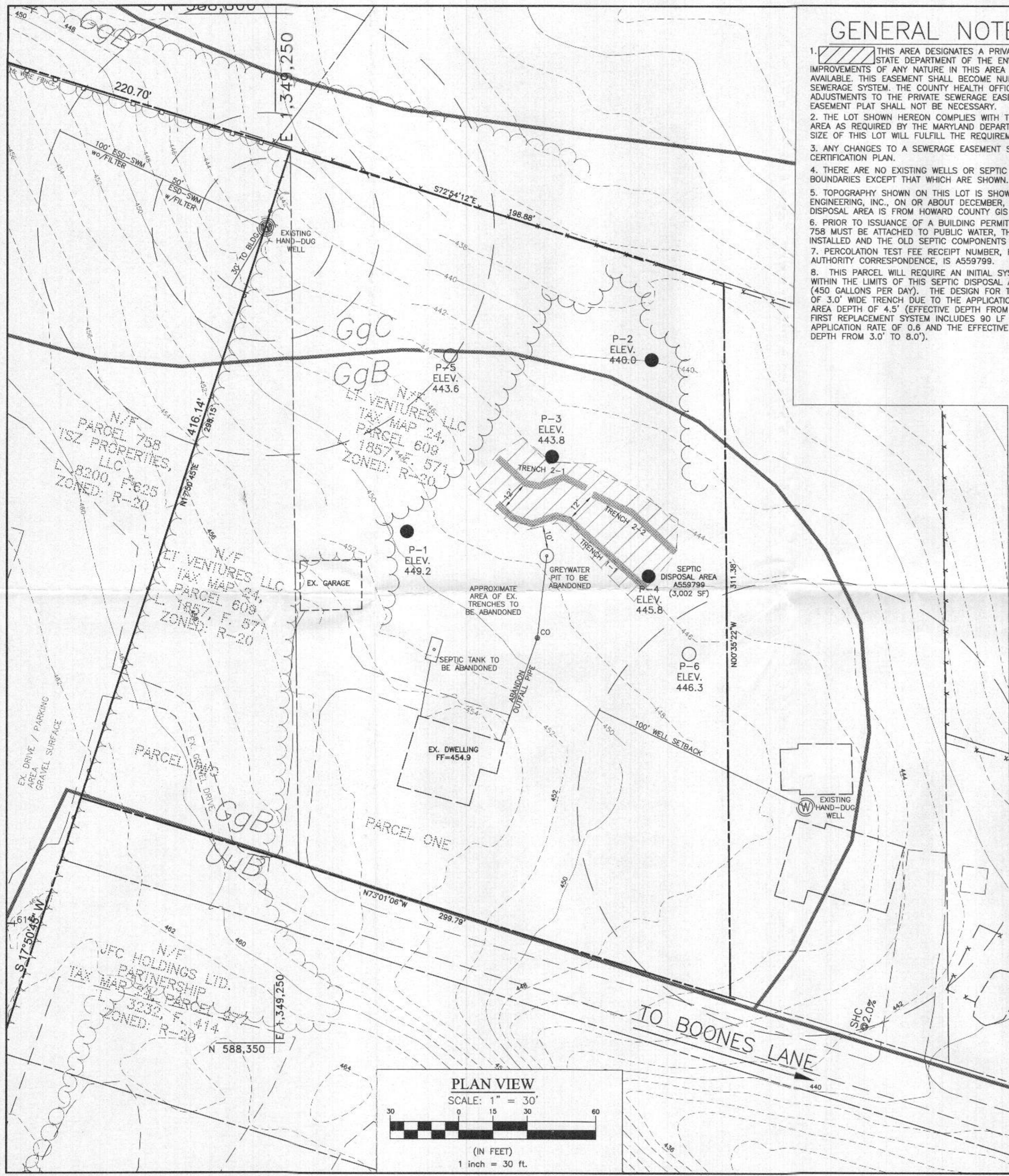
Standard design requirements:

- 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:

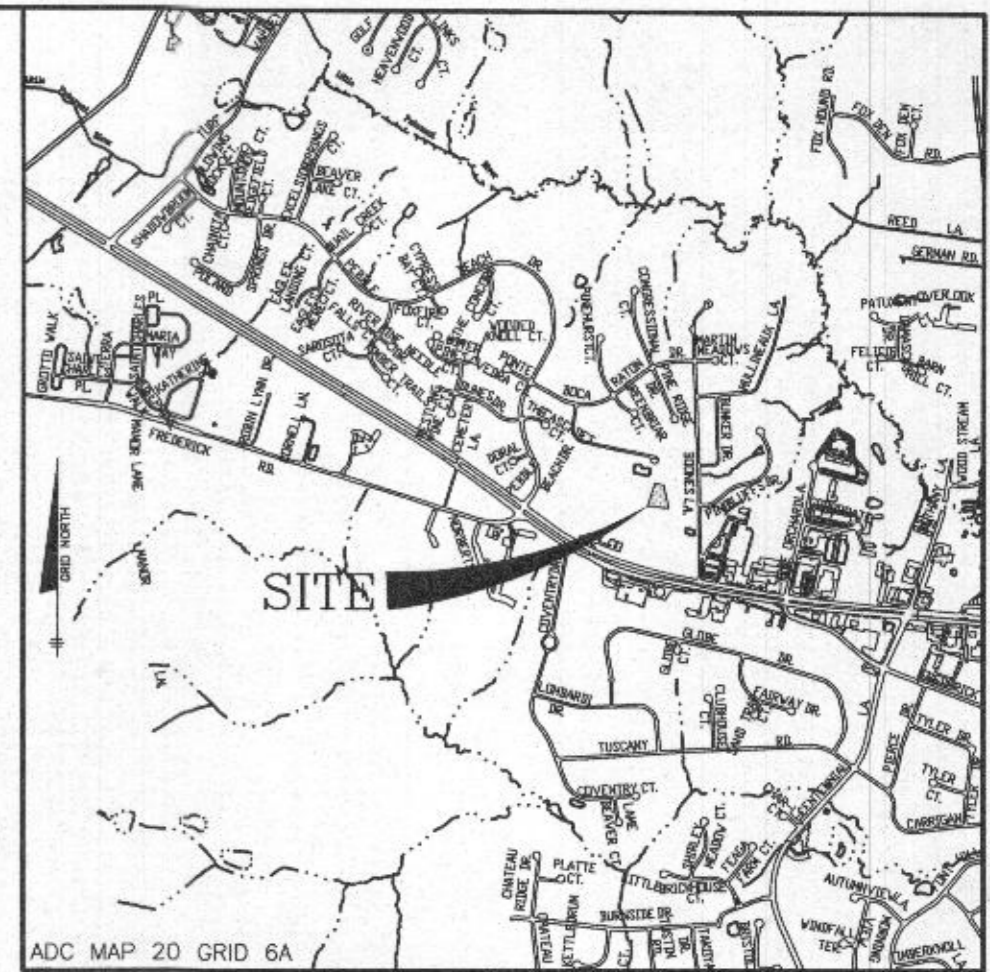
- * design septic system for 3 bedrooms (450 gallons/day w/ 3' ft wide trenches.
* show how 2 systems fit within the SDA
* stay 10' away from greywater system

Approved: Hank Oswald Date: 11/9/16



GENERAL NOTES

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT 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 PLAT SHALL NOT BE NECESSARY.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT. THE LOT SIZE OF THIS LOT WILL FULFILL THE REQUIREMENTS OF THE ZONING REGULATIONS.
- ANY CHANGES TO A SEWERAGE EASEMENT 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.
- TOPOGRAPHY SHOWN ON THIS LOT IS SHOWN PER FIELD LOCATIONS BY BENCHMARK ENGINEERING, INC., ON OR ABOUT DECEMBER, 2016. TOPOGRAPHY OUTSIDE OF THE SEPTIC DISPOSAL AREA IS FROM HOWARD COUNTY GIS INFORMATION.
- PRIOR TO ISSUANCE OF A BUILDING PERMIT THE ADJOINING CHURCH ON PARCEL 758 MUST BE ATTACHED TO PUBLIC WATER, THE SEPTIC ON THIS LOT MUST BE INSTALLED AND THE OLD SEPTIC COMPONENTS ABANDONED.
- PERCOLATION TEST FEE RECEIPT NUMBER, REFERENCED IN THE APPROVING AUTHORITY CORRESPONDENCE, IS A559799.
- THIS PARCEL WILL REQUIRE AN INITIAL SYSTEM AND A REPLACEMENT SYSTEM WITHIN THE LIMITS OF THIS SEPTIC DISPOSAL AREA FOR A THREE BEDROOM HOUSE (450 GALLONS PER DAY). THE DESIGN FOR THE INITIAL SYSTEM INCLUDES 80 LF OF 3.0' WIDE TRENCH DUE TO THE APPLICATION RATE OF 0.8 AND THE EFFECTIVE AREA DEPTH OF 4.5' (EFFECTIVE DEPTH FROM 3.0' TO 7.5'). THE DESIGN FOR THE FIRST REPLACEMENT SYSTEM INCLUDES 90 LF OF 3.0' WIDE TRENCH DUE TO THE APPLICATION RATE OF 0.6 AND THE EFFECTIVE AREA DEPTH OF 5.0' (EFFECTIVE DEPTH FROM 3.0' TO 8.0').



LEGEND

- SOILS CLASSIFICATION: GgB
- SOILS DELINEATION: [Symbol]
- EXISTING CONTOURS: [Symbol]
- EXISTING WOODS LINE: [Symbol]
- EXISTING WELL: [Symbol]
- FAILING PERCOATION TEST: [Symbol]
- PASSING PERCOATION TEST: [Symbol]
- SEPTIC DISPOSAL AREA: [Symbol]

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

Signature 12/22/2016
 HOWARD COUNTY HEALTH OFFICER DATE

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.

Signature 12/14/16
 PLAN PREPARER JOHN M. CARNEY FOR BENCHMARK ENGINEERING INC. DATE:

BENCHMARK
 ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

ENGINEERING, INC.

6480 BALTIMORE NATIONAL PIKE ▲ SUITE 315
 ELLICOTT CITY, MARYLAND 21043
 PHONE: 410-465-6105 ▲ FAX: 410-465-6644
 BEI@BEI-CIVILENGINEERING.COM

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 45577, Expiration Date: 06-08-2018.

OWNER/BUILDER: LT VENTURES, LLC 10382 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MD 21042 PHONE: 410-465-4103		PROJECT: 3226 BOONES LANE	
LOCATION: 3226 BOONES LANE ELLICOTT CITY, MD 21042 TAX MAP No. 24 - BLOCK No. 01 - PARCEL No. 609 2ND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND TAX ID NUMBER 02-216345		TITLE: PERCOLATION CERTIFICATION PLAN	
DATE: DECEMBER, 2016	PROJECT NO. 2617	SCALE: 1" = 30'	DRAWING 1 OF 1
DESIGN: JMC	DRAFT: JMC		

