

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AVP 55086-A

AGENCY REVIEW: _____

DATE 4-19-16

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 unknown 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) Evergreen Stables Farm LLC

DAYTIME PHONE 301 725 0442 CELL _____

FAX _____

MAILING ADDRESS 8250 OLD COLUMBIA RD
STREET

FULTON
CITY/TOWN

MD 20759
STATE ZIP

APPLICANT Owner

DAYTIME PHONE _____ CELL _____

FAX _____

MAILING ADDRESS _____
STREET

CITY/TOWN

STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME St Francis of Assisi

LOT NO. 2

PROPERTY ADDRESS 8250 Old Columbia Road
STREET

Fulton, MD
TOWN/POST OFFICE

TAX MAP PAGE(S) 46 GRID 03 PARCEL(S) 337

PROPOSED LOT SIZE ± 1AC.

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
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

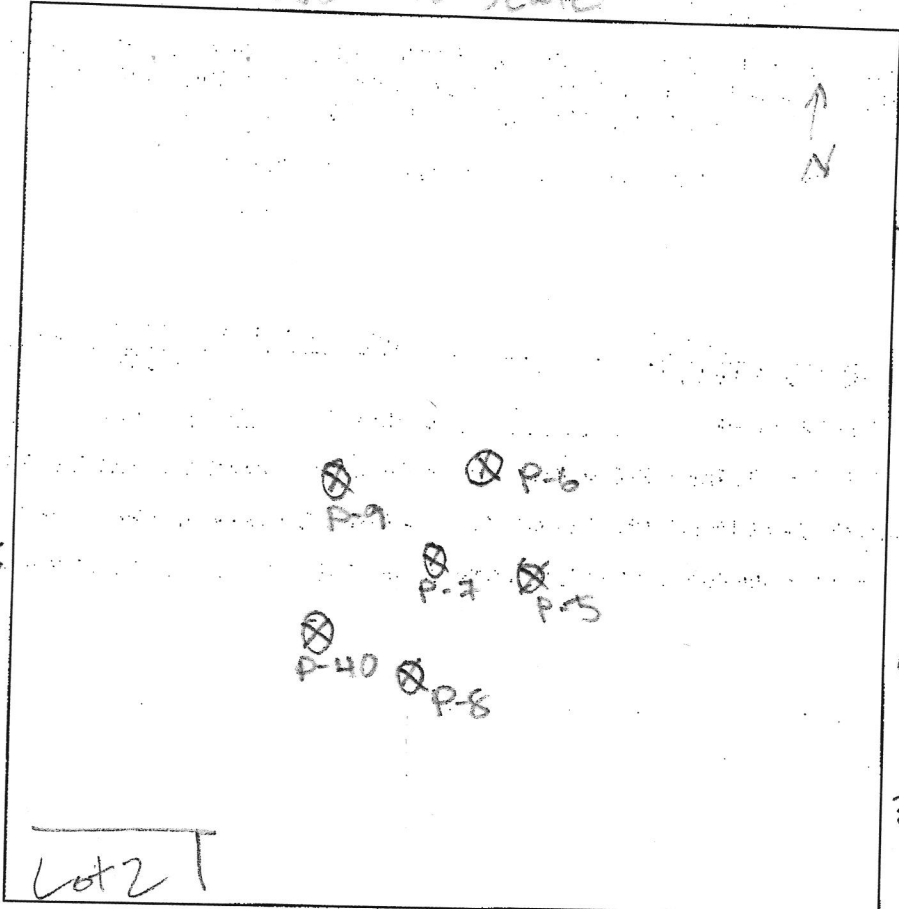
$$6 \times 150 = 900 \div 1.2 = 750 \div 2 = 375 \times 0.3636 = 13635$$

$$\frac{2 + 2}{2 + 1 + 2(4)} = \frac{4}{11} = 0.3636$$

$$2(4) + 2 = 10$$

Not to Scale

P-6
 0.4' brl
 or scl
 mica
 4' pale red
 fsl
 micaceous
 14' dry



P-9
 0.5' brl
 or scl
 2 1/2' rock
 3.5' pale red
 fsl
 many mica
 13'

P-7
 0.4' brl
 or scl
 mica
 4' pale red
 fsl
 micaceous
 13' dry

P-40
 0.5' brl
 or scl
 mica
 3' red
 fsl
 mica
 13.5' dry

P-8
 similar
 p-7
 14.5'

P-5
 See notes on Lot 1

| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2ND INCH | P/F/H |
|------|--------|----------------|-------|---------------|--------------|------------------|-------|
| 6/1 | P-6 | 15 / 6 1/2 | 8:50 | 8:52 | 8:54 | 2 | P |
| | P-9 | 14 / 5 | 8:53 | 8:54 | 8:56 | 2 | P |
| | P-7 | 14 / 5 | 8:57 | 9:01 | 9:03 | 2 | P |
| | P-5 | 14 1/2 / 5 1/2 | 9:10 | 9:12 | 9:19 | 6 | P |
| | P-8 | 14 1/2 / 5 | 9:29 | 9:30 | 9:32 | 2 | P |
| | P-40 | 13 1/2 / 4 1/2 | 9:43 | 9:44 | 9:45 | Fast | F |
| Znd | P-40 | RP | 9:47 | 9:49 | 9:51 | 2 | P |
| | | | | | | | |
| | | | | | | | |

REMARKS _____

SANITARIAN H. Oswald BACKHOE Hatfield OTHERS Owner & Engineer

TEST HOLES USED IN SDA S. Freeman AVG. PERC TIME _____ SQ. FT/BR _____

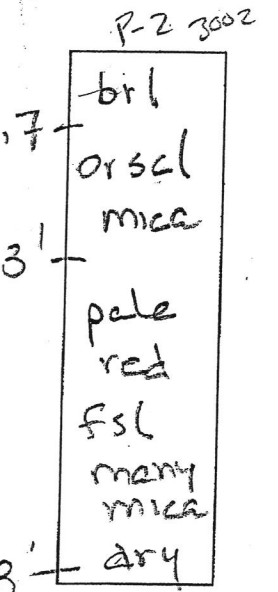
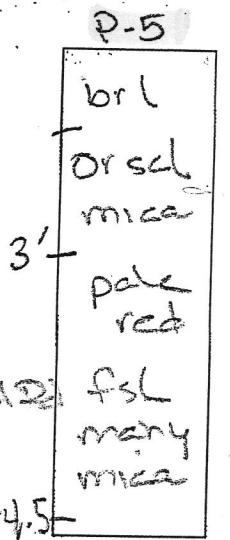
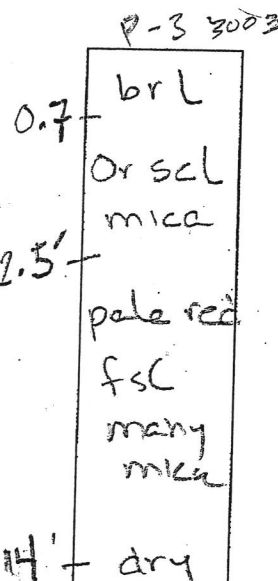
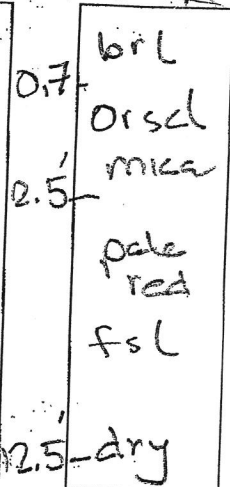
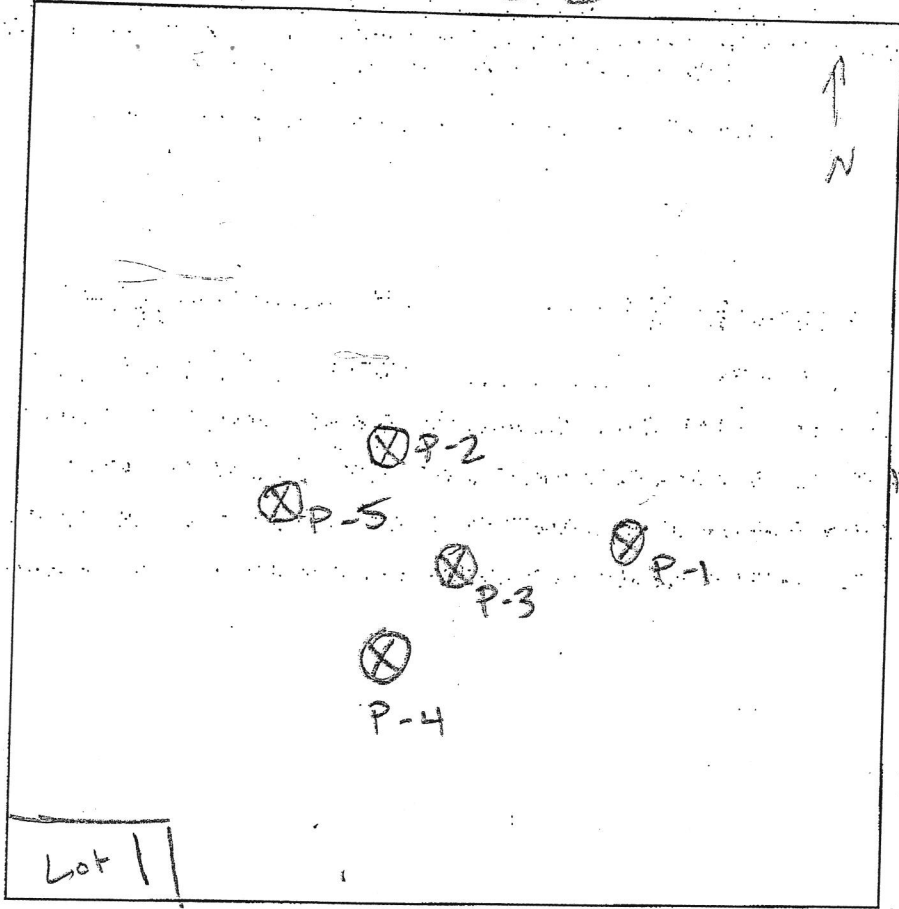
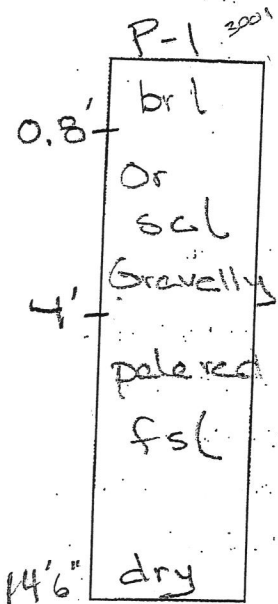
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Lot 1

Not to Scale

AP

P-4



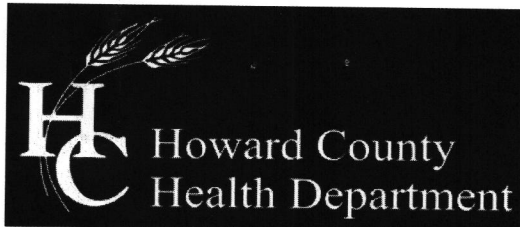
| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2ND INCH | P/F/H |
|------|--------|----------------|-------|---------------|--------------|------------------|-------|
| 6/1 | P-1 | 14 / 6 1/2 | 8:27 | 8:30 | 8:37 | 7 | P |
| | P-3 | 14 1/2 / 4 1/2 | 8:33 | 8:35 | 8:42 | 7 | P |
| | P-2 | 14 / 6 | 8:36 | 8:37 | 8:38 | Feet | F |
| | P-4 | 13 / 6 1/2 | 8:40 | | 8:42 | Feet | F |
| 2nd | P-2 | 14 / 4 | 9:18 | 9:20 | 9:22 | 2 | P |
| 2nd | P-4 | 13 / 4 | 9:22 | 9:23 | 9:25 | 2 | P |
| | P-5 | 14 1/2 / 5 1/2 | 9:10 | 9:13 | 9:19 | 6 | P |

REMARKS _____

SANITARIAN H. Oswald BACKHOE Hatfield OTHERS Dwyer & Engineer

TEST HOLES USED IN SDA 8' Fremont AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



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: _____

Subdivision: Evergreen Farm Lot: 2

Initial system: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 8

1st Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 8

2nd Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 8

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:

$\frac{W + 2}{W + 1 + 2D} \times 100 =$ 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'

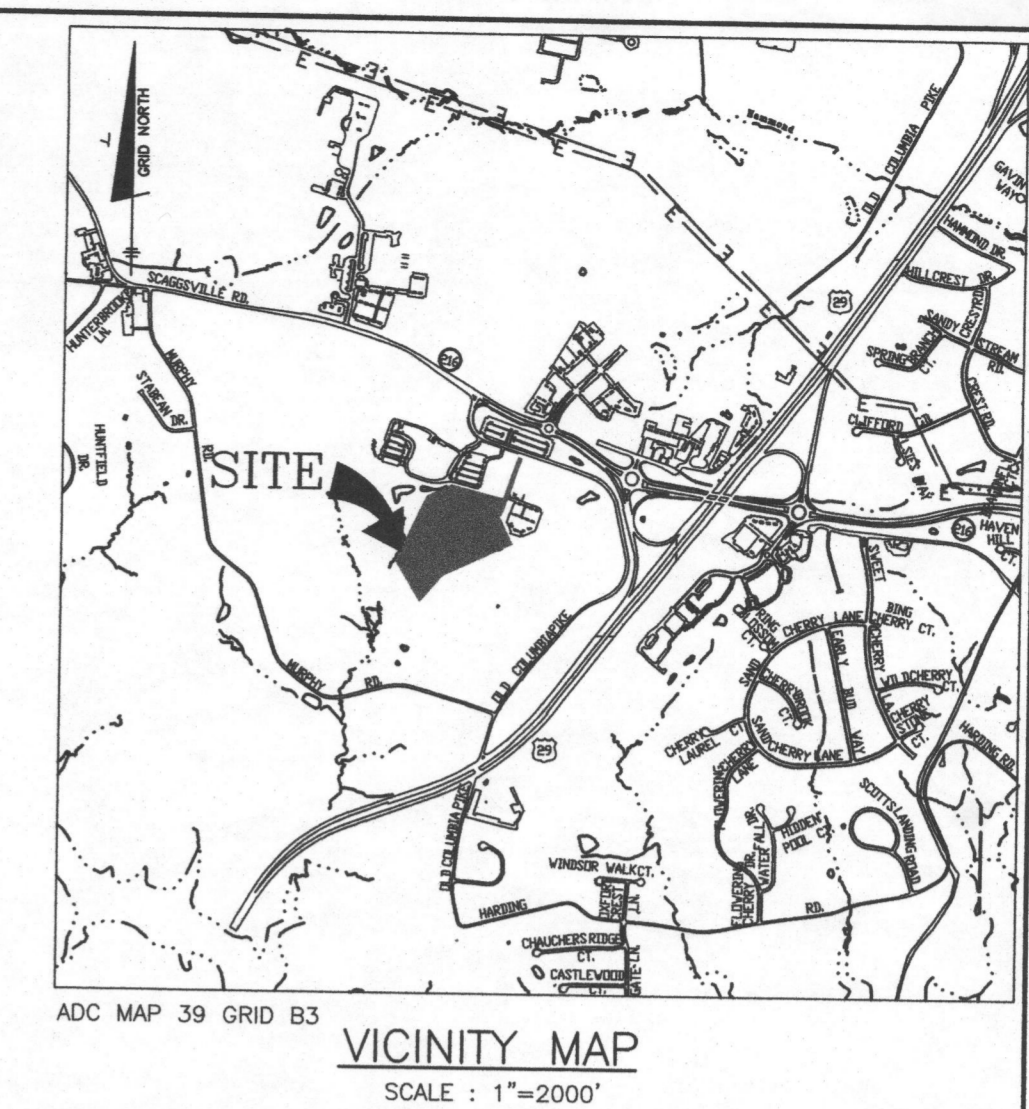
Additional requirements:

BAT required due to soil comp & fast pore rates

Approved: Hank Oswald Date: 1/16/19



- LEGEND**
- EXISTING CONTOURS
 - EXISTING TREELINE
 - N41°51'10"E
300.00' LIMIT OF SUBMISSION
 - PROPOSED SEPTIC AREA
 - EXISTING SEPTIC AREA
 - SOILS DELINEATION
 - EX. WELL
 - PROPOSED DWELLING
 - 15%-24.9% SLOPES
 - PASSING PERCOLATION TEST
 - FAILING PERCOLATION TEST
 - DRYWELL



GENERAL NOTES

1. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT. THE LOT SIZE FOR THESE LOTS WILL FULFILL THE REQUIREMENTS OF THE ZONING REGULATIONS.
2. THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 S.F. 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 SEWER IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWER DISPOSAL AREA. RECORDATION OF A MODIFIED SEWAGE DISPOSAL AREA PLAT SHALL NOT BE REQUIRED.
3. TOPOGRAPHY SHOWN IS BASED ON HOWARD COUNTY GIS, 2 FOOT CONTOURS, AND VERIFIED WITH FIELD RUN TOPOGRAPHY BY BENCHMARK ENGINEERING, INC., IN AUGUST, 2016.
4. TO THE BEST OF OUR KNOWLEDGE, ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELL AND/OR SEPTIC HAVE BEEN SHOWN.
5. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
6. ALL WELLS MUST BE DRILLED PRIOR TO FINAL PLAT. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE PRIOR TO FINAL PLAT SUBMISSION. THE EXISTING WELLS MUST BE ABANDONED AND SEALED AFTER ESTABLISHMENT OF THE REPLACEMENT WELL. THE ORIGINAL WELL ABANDONMENT REPORTS FOR THE SEALED WELLS MUST BE APPROVED BY THE HEALTH DEPARTMENT PRIOR TO HEALTH DEPARTMENT SIGNATURE OF THE FINAL PLAT. IT WILL NOT BE CONSIDERED GOVERNMENT DELAY IF THE WELL-DRILLING HOLDS UP THE HEALTH DEPARTMENT SIGNATURE OF THE PLAT.
7. ALL PROPOSED ROAD SIDE SWALES FOR THE SUBDIVISION MUST BE AT LEAST 50 FEET FROM ALL WELL AREAS OR AT LEAST 100 FEET IF THE SWALE IS DESIGNED FOR INFILTRATION.
8. PERCOLATION TEST FEE RECEIPT NUMBER, REFERENCED IN THE APPROVING AUTHORITY CORRESPONDENCE, IS 558086.
9. THE PORTION OF THIS PROPERTY THAT WAS PROPOSED AS PIPESTEMS FOR SECTION 2 ON THE PERCOLATION CERTIFICATION PLAN SIGNED BY THE HEALTH DEPARTMENT ON 12/20/2018 IS NOW PART OF PROPOSED LOT 8 AND NON-BUILDABLE PARCEL 'B' AND ARE NO LONGER AVAILABLE FOR THAT PURPOSE DUE TO CHANGE IN OWNERSHIP.

PLAN VIEW
1" = 100'

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 KNOWLEDGE AND BELIEF.

2021.09.14 15:53:32 -04'00
ALICE A. MILLER, P.E.
PLAN PREPARER FOR BENCHMARK ENGINEERING INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER
DATE

THE PURPOSE OF THIS PLAN IS TO UPDATE THE WELL BOX AND SEPTIC EASEMENT FOR LOT 8, UPDATE THE WELL BOX FOR LOT 2 AND TO UPDATE THE WELL BOX FOR PRESERVATION PARCEL A.

BENCHMARK ENGINEERING, INC.
ENGINEERS LAND SURVEYORS PLANNERS
8480 BALTIMORE NATIONAL PIKE SUITE 315 & SUITE 316 ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6844
WWW.BE-CVLENGINEERING.COM

OWNER: **THE PRESERVE AT EVERGREEN FARM (AKA FULTON HILL)**

TAX MAP: 46 - GRID: 03 - PARCEL: 337
ZONED: RR-DEO
ELECTION DISTRICT NO. 5 - HOWARD COUNTY, MARYLAND

REVISED PERCOLATION CERTIFICATION PLAN

DATE: SEPTEMBER 2021 BEI PROJECT NO. 2761
DESIGN: AAM DRAFT: AAM SCALE: 1" = 100' SHEET 1 OF 1

| SOILS LEGEND | | | |
|--------------|------|-----------------------|--|
| SYMBOL | TYPE | K _v FACTOR | NAME |
| GgA | B | .28 | GLENELG LOAM - 0 TO 3 PERCENT SLOPES |
| GgB | C | .28 | GLENELG LOAM - 3 TO 8 PERCENT SLOPES |
| GnB*** | C | .43 | GLENVILLE-BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES |
| McC | B | .28** | MANOR LOAM - 8 TO 15 PERCENT SLOPES |

SOIL MAPPING AND SOIL DATA TAKEN FROM NRCS WEB SOIL SURVEY, MARCH 2016. MAP 23
**WHOLE SOIL K FACTOR
***HIGHLY ERODIBLE SOILS K>0.35, AND/OR 15% OR GREATER SLOPES
****HYDRIC SOILS