



# HOWARD COUNTY HEALTH DEPARTMENT

45169

CODES

DATE

10/17/13

95

CASH

CHECK

Received From

Gregory Streaker

For

Peric App/11995 Old Fredrick

NO.

3387

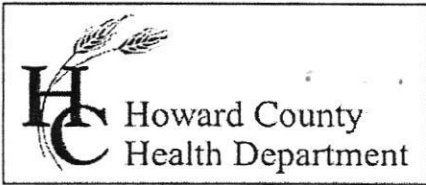
Five hundred and 00/100 = Dollars

\$

500 00

Received By

Juanita King



Bureau of Environmental Health  
 7178 Gateway Drive Columbia, MD 21046  
 (410) 313-2640 Fax (410) 313-2648  
 TDD (410) 313-2323 Toll Free 1-866-313-6300  
 website: www.hchealth.org

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

## APPLICATION FOR PERCOLATION TESTING AND SITE EVALUATION

**PROPERTY LOCATION**  
 SUBDIVISION/PROPERTY NAME Streaker Property LOT # 1  
 PROPERTY ADDRESS 11995 Old Frederick Road Marriottsville 21104  
STREET TOWN ZIP  
 TAX ACCOUNT # 03-308367 TAX MAP 10 GRID 19 PARCEL 301 ZONING DESIGNATION RR-DEO

**PROPERTY OWNER(S)** John R. Streaker, III Gwenn Streaker

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ EMAIL \_\_\_\_\_

MAILING ADDRESS 1805 Sand Hill Road Marriottsville 21104  
STREET CITY, STATE ZIP

**APPLICANT** Greg Streaker RELATIONSHIP TO OWNER: SON

DAYTIME PHONE 410-442-1523 CELL 410-916-0110 EMAIL buldawg519@aol.com

MAILING ADDRESS 11995 Old Frederick Road Marriottsville 21104  
STREET CITY, STATE ZIP

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

- BUILDING:**  
 RESIDENTIAL WITH 3 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE  
 COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

- PROPERTY:**  
 SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: \_\_\_\_\_  
 CONSTRUCT NEW OSDS ON UNDEVELOPED LOT  
 REPAIR OR REPLACE FAILING OSDS  
 UPGRADE EXISTING OSDS

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?  
 YES  
 NO

Re: Building Permit # B13002548

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.

X Greg Streaker X 10/17/13  
 SIGNATURE OF APPLICANT DATE

#4

Did Not Dig  
↓

#5

Red Brown Sh  
4.5'  
Red Brown yellow Sh  
5-10% R4  
↓  
10'

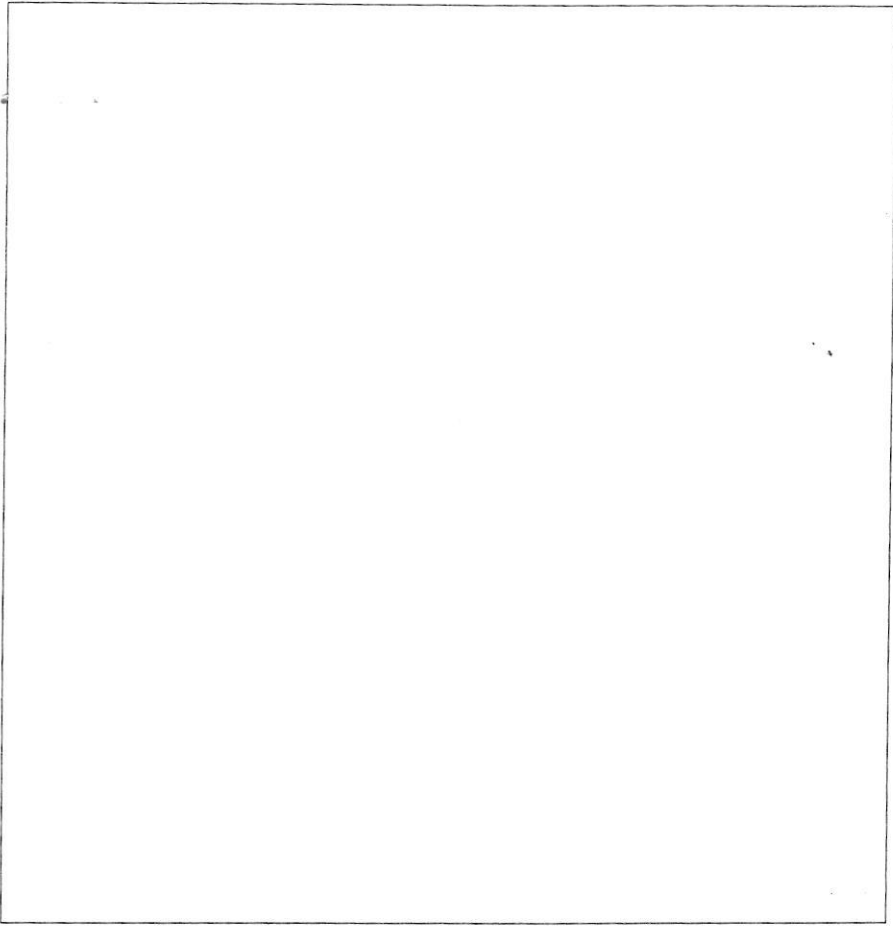
#6

Red Brown  
Fill Sh  
2'  
Red Brown Sh  
3'  
Red Brown yellow Sh  
5-10% R4  
↓  
10'

#1  
Red Brown Sh  
2'  
Red Brown yellow Sh  
5-10% R4  
↓

#2  
Red Brown Sh  
5-10% R4 3'  
Red Brown yellow Sh  
5-10% shale  
↓  
10'

#3  
Red Brown Sh (dense)  
many mica 3.5'  
Red Brown yellow Sh  
many mica  
↓  
10'



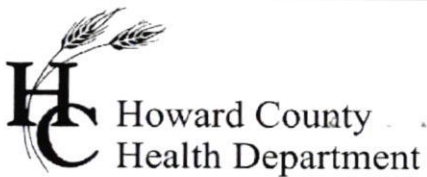
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
6-30-14	1	3/10	1:28	1:31	1:36	5min	P	
6-30-14	2	4/10	12:48	12:50	12:53	3min	P	
6-30-14	3	4/10	10:44	10:50	10:59	9min	P	
6-30-14	4	Did Not Dig owners request						
6-30-14	5	5/10	12:24	12:28	12:35	7min	P	
6-30-14	6	4/10	2:05	2:07	2:09	2min	P	

REMARKS Public H<sub>2</sub>O / Backhoe breakdown twice <sup>wanted for repairs</sup>

SANITARIAN \_\_\_\_\_ BACKHOE Contractor OTHERS Pete Potoluk

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

TRENCH WIDTH 3 INLET DEPTH 30" MAX. BOT DEPTH 6 EFFECTIVE SW \_\_\_\_\_



Bureau of Environmental Health  
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TDD (410) 313-2323 Toll Free 1-866-313-6300  
Website: [www.hchealth.org](http://www.hchealth.org)

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

Date: July 1, 2014

To: Leon A. Podolak and Associates, Inc.  
C/o Mr. Pete Podolak  
Via E-Mail: [pete@lapodolak.com](mailto:pete@lapodolak.com)

RE: **Percolation Testing Report  
Streaker Property, Tax Map 10, Parcel 301**

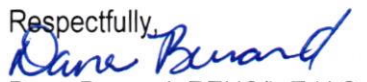
Mr. Podolak

Percolation testing was conducted on the referenced property on June 30, 2014. The purpose for conducting these percolation tests was for an anticipated establishment of a sewage disposal area for the existing lot to support a building permit for a garage.

A total of five (5) test holes evaluated and five (5) were found to be satisfactory with moderate percolation rates. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation for the five (5) percolation test holes which were satisfactory. The existing property is currently on public water and there was no evidence of failure of the existing septic system. It appeared to be functioning properly. 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.

The next step in this process is to submit a Percolation Certification Plan to confirm the design of the septic reserve area. Please keep in mind if you decide to increase the living space or the number of bedrooms, you will be required to upgrade your system, use "The Best Available Technology", and pretreatment. If you have any questions or correspondence 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/L.E.H.S.  
Environmental Specialist II  
Well and Septic Program

Enclosures (2)  
File

11995 ~~1805~~ DATE 3/2/71 10/8/70  
Location Route 99 APPLICATION  
High Road Hold ( )  
Approved (✓)  
Rejected ( )  
Lot \_\_\_\_\_  
Applicant Richard Lowe INSTALLATION  
Owner John R. Strescher III Hold ( )  
Approved (✓)  
Permittee Howard Ribbett Approved  
Date 3/17/71

P 15737

A 15563

SEE SHEET 2 FOR FUTURE BAT SYSTEM DESIGN AND SPECIFICATIONS.

### SEWAGE FLOW CALCULATIONS

Calculations based on State of Maryland COMAR 26.04.02.05

Existing 3 bedroom house = 450 gallons per day  
 Design flowrate = 450 gallons per day

#### SEPTIC TANK DESIGN

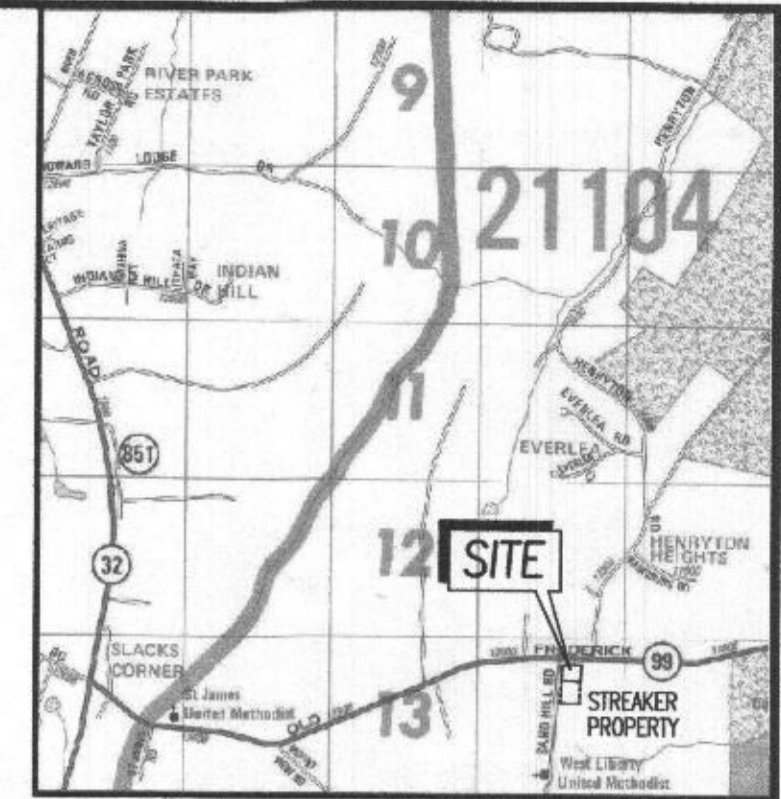
Tank Volume = 1,000 gallon tank required

An existing septic tank is currently installed (Volume is undetermined). A Nitrogen removal system (BAT) will be required to be installed for future replacement systems as depicted on this site plan in accordance with Howard County Code requirements.

#### SEWAGE DISPOSAL SYSTEM DESIGN

##### DEEP TRENCH SYSTEM DESIGN

Average Time of Percolation Tests = 6.8 minutes (...use 10 minutes for design)  
 Application Rate = 0.80 gpd / sq.ft.  
 Required Absorption Area of Tile Field = 450 gpd / (0.80) = 563 sq.ft.  
 Length of standard trench (3ft. wide) = 563 sq.ft. = 188 ft.  
 Trench stone depth = use 2 feet 3 ft.  
 Deep trench conversion factor =  $(w+2) / (w+1+2d) = 63\%$   
 Length of deep trench required =  $(188 \text{ ft.}) \times (0.625) = 118 \text{ ft.}$   
 119 feet of deep trench with a stone depth of 3 feet is required per system.



#### VICINITY MAP

Scale 1" = 2000'  
 HOWARD COUNTY ADC MAP: 5 GRID: G-13  
 COPYRIGHT AND THE MAP PEOPLE PERMITTED USE NUMBER 2108644

PROPOSED 30'-0" x 38'-0" BUILDING ADDITION  
 (BUILDING PERMIT # B13002548)

S. BROWN CISSEL, JR. ET AL.  
 DEED: C.M.P. 829/124  
 #12025 OLD FREDERICK ROAD

ANN CAROL STAFFORD  
 DEED: C.M.P. 679/472  
 #1820 SAND HILL ROAD



PLAN VIEW  
 SCALE: 1"=30'

### PERCOLATION TEST RESULTS

TESTS TAKEN: JUNE 30, 2014  
 HOWARD COUNTY SANITARIAN: DANA BERNARD

DATE	TEST #	DEPTH	START	BREAK T DROP	STOP 2" DROP	TIME OF 2ND INCH	PSFH
6-30-14	1	3' 10"	1:28	1:31	1:36	5min	P
6-30-14	2	4' 10"	12:48	12:50	12:53	3min	P
6-30-14	3	4' 10"	10:44	10:50	10:59	9min	P
6-30-14	4	Did Not Dig	owner request				
6-30-14	5	3' 10"	12:24	12:28	12:35	7min	P
6-30-14	6	4' 10"	2:05	2:07	2:09	2min	P

REMARKS: Public H<sub>2</sub>O / Backhoe breakdown twice to repair  
 SANITARIAN: BADOOR Contractor OTHERS: Peter Podolak

TEST HOLES USED IN SOA: \_\_\_\_\_ AVG. PERC TIME: \_\_\_\_\_ SQ. FT. PER: \_\_\_\_\_  
 TRENCH WIDTH: 3' INLET DEPTH: 3.0' MAX. BCT DEPTH: 6' EFFECTIVE BW: \_\_\_\_\_

#### GENERAL NOTES:

- Zoning: RR-DEO (RURAL RESIDENTIAL - DENSITY EXCHANGE OPTION)
- Current Title Reference:  
 TAX MAP: 10 GRID: 19 PARCEL: 301 ACCT. NO.: 03-308367  
 John R. Streaker, III Gwenn Streaker  
 DEED: C.M.P. 549/303  
 PLAT: Lot #1 'Streaker Property' Plat #4668 0.754 ACRES±
- The topography of this plot is taken from Howard County GIS data and was field verified and updated on September 17, 2013 by Leon A. Podolak & Associates, LLC.
- Water: PUBLIC  
 Sewer: PRIVATE
- Soil types shown hereon were taken from the National Resources Conservation Service Web Soil Survey 2.0, National Cooperative Soil Survey, Carroll County, Maryland (MD013), Soil Maps Version 10, Aug 9, 2010. (<http://websoilsurvey.nrcs.usda.gov>)
- Any changes to a private sewage easement shall require a revised percolation certification plan.
- All wells and septic systems located within 100' of the property boundaries and 200' down gradient of any wells and/or septic systems have been shown.
- The purpose of this plan is to designate 10,000 sq.ft. of area available for private sewerage facilities to comply with Howard County Code so as to allow the construction of an 1,140 sq.ft. addition to the existing detached garage.

APPROVED FOR PRIVATE SEWERAGE SYSTEMS Public H<sub>2</sub>O  
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE 7/24/2014

## SITE PLAN and PERCOLATION CERTIFICATION PLAN for LOT #1 of the 'STREAKER PROPERTY'

(RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND AS PLAT # 4668)

#11995 OLD FREDERICK ROAD (MD RTE 99) NEAR WEST FRIENDSHIP  
 3-RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

PROPERTY OWNER  
 JOHN R. STREAKER, III  
 GWENN STREAKER  
 #1805 SAND HILL ROAD  
 MARRIOTTSVILLE, MARYLAND 21104

APPLICANT  
 GREG STREAKER  
 #11995 OLD FREDERICK ROAD  
 MARRIOTTSVILLE, MARYLAND 21104  
 PHONE: 410-442-1523

BUILDING PERMIT # B13002548

LOT #1 of the 'STREAKER PROPERTY' TAX MAP: 10 GRID: 19 PARCEL: 301 TAX ACCT. NO.: 03-308367

LEON A. PODOLAK and ASSOCIATES, L.L.C.

SHEET 1 OF 2

DATE: 11-25-13  
 REVISION: HD COMMENTS  
 PRIVATE SEPTIC SYSTEM LAYOUT & SPECS

DATE: Oct. 15, 2013  
 SCALE: 1"=30'  
 DRAWING NO.:

- #### SYMBOLS LEGEND
- INDICATES DEEP TRENCH PERC TEST LOCATION (SEE TEST RESULTS ON THIS SHEET)
  - ⊙ INDICATES PERC TEST LOCATION (NOT TESTED IN THE FIELD)
  - △ INDICATES ABANDONED WELL LOCATION
  - INDICATES EXISTING GROUND CONTOUR LINE
  - [ ] THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ.FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF 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 EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
  - ▨ INDICATES REPLACEMENT 59.5 L.F. DEEP TRENCH DRAIN LINE (SEE SEWAGE FLOW CALCULATIONS ABOVE)

I hereby 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.

Peter L. Podolak, P.E. Reg. no. 19561

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