HOWARD COUNTY HEALTH DEPARTMENT

55816

DATE 4/24/15

A-5

Received From Carla Luis PHONE # 240-498-7501

For Perc Test: 12330 Scaggsville Road
Parcel 123 - Fulton, MD

☐ CASH
☐ CHECK
NO. 1085

Five hundred Six 00/100 Dollars

$ 506.00

Received By M. Curry

FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
	Future Repairs of the Septic System requires that the existing well be replaced by a new well, and the existing well properly abandoned by a Licensed Well Driller.
2/25/2016	R Bruchu per MJD
*	This document is to be included in all requests for P.I.A. pcB

Howard County Health Department

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ (A)P 5568116

AGENCY REVIEW: _____ DATE 4-20-15

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 5 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) Carla Luis and Marcos Tamayo

DAYTIME PHONE 240-498-7501/ 240-644-9606 CELL 240-498-7501/ 240-644-9606 FAX 800-720-0112

MAILING ADDRESS 9320 Daly Ct. (~~STREET~~) Laurel (CITY/TOWN) MD (STATE) 20723 (ZIP)

APPLICANT CARLA LUIS

DAYTIME PHONE 240-498 7501 CELL 240-644 9606 FAX N/A

MAILING ADDRESS 9320 DALY ct. (STREET) LAUREL (CITY/TOWN) MD. (STATE) 20723 (ZIP)

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME 12330 SCAGGSVILLE ROAD PARCEL ~~LOT NO.~~ 123

PROPERTY ADDRESS 12330 SCAGGSVILLE ROAD (STREET) FULTON, MD. (TOWN/POST OFFICE)

TAX MAP PAGE(S) 40 GRID 18 PARCEL(S) 123 ~~PROPOSED~~ LOT SIZE 43,555 sf

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. Marcos Tamayo (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

PLEASE SUBMIT ORIGINALS ONLY (BY MAIL OR IN PERSON)

MOUND TEST DATA SHEETS

Property I.D. 12330 Scaggsville Road Lot # _____ Date 5/4/2015

Sanitarian RBricker Landscape Position Side Slope

% Slope _____ Soil Type _____ Contractor Level Land

HOLE # 4-B DEPTH OF TEST 19" START TIME 12:10

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate(ET/MD)	% Change
9 16/16	0	—	—	—
9 15/16	30	1/16"		

Fail

3" 7.5YR 4/2 (brn) L, 1fsbk

7" 7.5YR 4/3 (brn) L, 2fsbk, SS

15" 5YR 4/6 (brn) COL, 3msbk, common mica, 20% angular cobbles, SS

24" 5YR 4/6 (brn) L, 2msbk many mica few angular cobbles, SS

38" 7.5YR 4/6 (brn) SL, 1msbk many mica

7.5YR 4/4 (brn), SL, thick platy m2d (5YR 4/4) 42" water seeps

4B ← 35' / 21' → P3

conc. slab (shed)

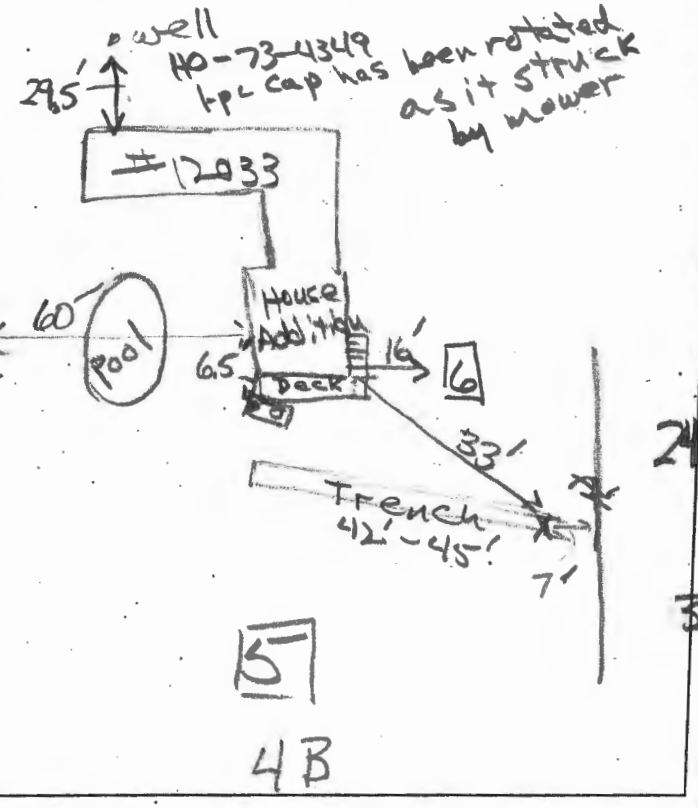
Begin equilibration: 11:58

HOLE # _____ DEPTH OF TEST _____ START TIME _____

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate(ET/MD)	% Change

A/P _____

12330 Scaggsville Road



5

7.5YR 4/3 pbsl, 0m & 1fsbk many mica 20% rounded pebbles several types-minerals few angular cobbles many roots — 4"

5YR 5/6 pbsl & 7.5YR 4/4 many thick platy mica — 8"

7.5YR 3/3, 1vfsbk pbsl, few mica metal band. — 12"

7.5YR 4/3 sl 2fsbk, common mica — 16"

7.5YR 4/4 L, 2 & pt common mica — 35"

7.5YR 5/6, 7.5YR 2/6 7.5YR 3/2, 10YR 7/4 ls, thick platy many mica — 68"

7.5YR 3/2 5YR 6/6 & 6/8 10YR 6/2 ls, thick platy many mica — 72"

water seeps

Trench End

* Pipe Invert, 4'
* Trench Bottom, 5' gravel coated w/organic stains organic accumulation under trench
* Water at 7.5' (uphill 5 feet from trench)

4

7.5YR 4/3 L, 1fsbk few mica many roots — 3"

7.5YR 4/3 L, 2fsbk few mica — 7"

7.5YR 4/6 L, 2msbk common mica — 18"

7.5YR 4/6 sl, 1msbk, many mica — 24"

7.5YR 4/4 sl, thick platy many mica — 33"

water seeps — 60"

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/4/15	5	21"/72"	10:03	11:06+			F
5/4/15	4	5'	Visual	Leam to 1.5' water seeps at 5'			F

Potential paired site for Mound test

See 4B.

#4 not tested for mound because 4B FAILS infiltrometer test

REMARKS _____

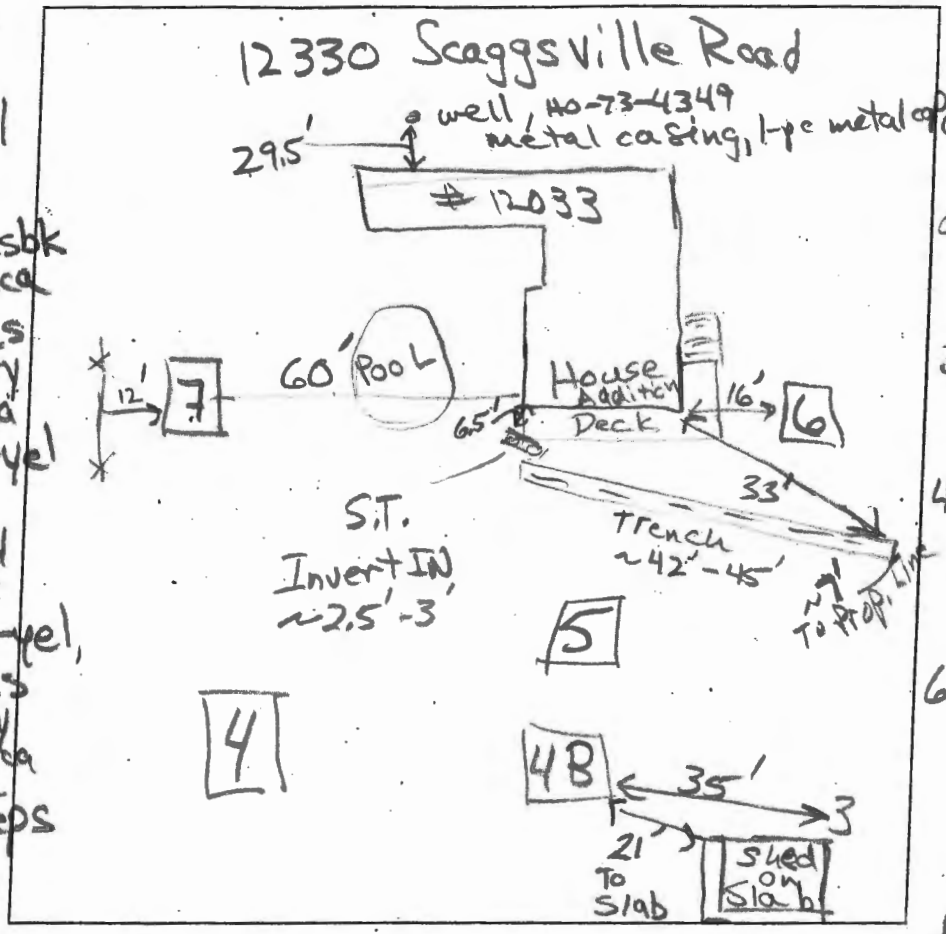
SANITARIAN R Bricker BACKHOE Level Land OTHERS Heshmat Justin & Kevin

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

A/P

12330 Scaggsville Road



6

dk brn sl
1 vfsbk

1.7' brn sl, 2msbk common mica

2.9' red & brn ls thick platy many mica

3.9' pale red-yel & brn ls thick platy many mica

7.5' dk brn, red-yel, & pale brn ls thick platy common mica

* water seeps
7.5YR 3/2
10YR 6/2
ls, thick platy
few mica

7

0.2' dk brn sl
1 vfsbk

0.9' brn sl, 2fsbk

3' yellow-red L, thick platy common mica

4.5' yel-red sl thick platy many mica

6' yel-red & brn ls, thick platy many mica fzp (dk. brn)

yel-red & dk yel-brn ls, thick platy many mica m2&3p (dk brn)

* water

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/4/15	6	3.5/~~7.5~~'	1:07	1:09	1:12	3	P
5/4/15	7	1.7'/6'	2:23	3:23+	—	—	F

REMARKS _____

SANITARIAN RBricker BACKHOE Level Land OTHERS Heshmat
Justin & Kevin

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

12330 Scaggsville Road

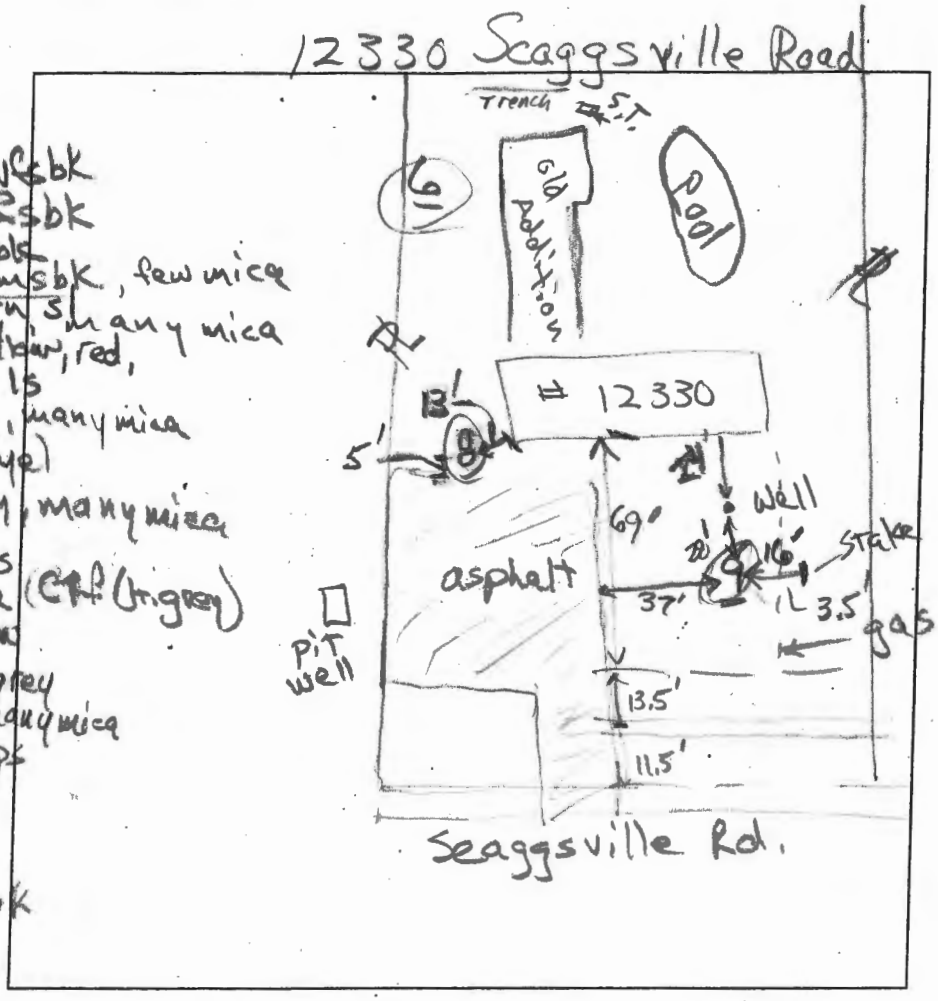
A/P _____

9

dk brn L, 2vfsbk
brn L, 2fsbk
brn L, 3msbk
3.3 brn col, 2msbk, few mica
yel-red & brn s, many mica
5.2 thin platy,
red-yel, yellow, red,
& pale brn ls
thick platy, many mica
9' brn & red-yel
ls, thick platy, many mica
12.1' pale brn
& pink-grey ls
many mica (Crf (Ltgrey)
12.7' pale brn, yellow
red-yellow & ltgrey
ls, saturated, many mica
13.5' water seeps

8

dk brn L, 2fsbk
0.2 brn L, 0m
0.7 brn
coarse prismatic
2.3' clayskins, ss
yel-red sl
thick platy
many mica ss
4' red-yellow
& grey brn sl
thick platy, many mica
5.9' brn, red-yellow
& yellow ls
many black grains
thick platy
many mica
9'
grey-brn
& red yellow
ls, platy
common black & white sand grains
12.1' water seeps
ltgrey & dk grey
& yellow & red-yellow
ls, platy
many mica



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/23/15	9	6"/12.7'	10:52	10:56	11:01	5	P
7/23/15	8	7"/12.1'	12:18	12:21	12:30	9	P

REMARKS _____

SANITARIAN K Bricker BACKHOE Fogle's Jake & Matt OTHERS Amir (TES)

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

Howard County
Health Department

Bureau of Environmental Health
8930 Stanford Blvd., Columbia, MD 21045
Main: 410-313-1771| 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

June 1, 2015

TO: Carla Luis, Applicant
cluis@p2cleaning.com

RE: Percolation Test Report, Building Permit Denial (B14004489); 12330 Scaggsville Road (Tax Map 40, Parcels 123)

Percolation testing at 12330 Scaggsville Road was conducted on May 4, 2015. A total of 6 locations and/or soil profile observations were dug for the purpose of determining suitability of the soils in those locations for domestic wastewater disposal. A result of PASS indicates that the soil for the specified location may be included in a Sewage Disposal Area (SDA). The SDA is required in support of a building permit for an addition to the existing house.

Four test locations, '4', '5', '6', and '7' were tested and/or described for standard subsurface trenches at marked locations. Three of the locations, '4', '5' and '7' FAIL for conventional septic system design. Only location '6' near the back-left corner of the existing structure is a PASS. The area represented by '6' is limited by the house foundation, the existing trench, and the 100-foot setback to the existing well.

Location '4B' was added in an attempt to define an area appropriate for a sand mound. The location is a FAIL as at 19 inches depth, only 1/16-inch of infiltration was observed after 30 minutes.

Additionally, the existing distribution trench was located and the soil profile ('TRENCH END') was described to the depth of the water table. The water table was observed at 7.5 feet depth and, as the TRENCH BOTTOM at the location is at 5 feet depth, the existing septic system is determined to not have the required 4-foot soil buffer. The existing septic system does not meet current Code requirement [Code of Maryland Annotated Regulation (COMAR), 26.04.02.04.C(1)] whereas "conventional on-site sewage disposal systems may not be approved where there is less than 4 feet of unsaturated, unconsolidated material sufficient to attenuate effluent below the bottom of the on-site sewage disposal system except as provided in Section C(2) of this regulation" (concerns soil in the coastal plain province) "and Regulation .05V of this chapter" (regarding At-Grade Mounds).

Due to the observed conditions, and that your plans are to increase the number of bedrooms, the submitted Building Permit (B14004489) cannot be approved [COMAR, 26.04.03.F(4)].

If you have any questions regarding this evaluation or requirements for a Percolation Certification Plan, please contact me by email or by calling (410) 313-2691.

Respectfully,

Robert Bricker, CPSS, REHS/RS, L.E.H.S.
Environmental Sanitarian II
Well and Septic Program

Enclosures: (1) Percolation Test Application and 3 pages of data

Copy: Heshmat Eskandari, consultant
file

Howard County Health Department

Bureau of Environmental Health
8930 Stanford Boulevard, Columbia, MD 21045
Main: 410-313-1774 | 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

September 18, 2015

Marcos Tamayo and Carla Luis
12330 Scaggsville Road
Fulton, MD 20759

RE: Variance request for replacement well location at 12330 Scaggsville Road.

Dear Marcos Tamayo and Carla Luis,

The Health Department submitted a variance request on your behalf and in relation to the proposed replacement of the well at 12330 Scaggsville Road, specifically the spatial relationship between the proposed well and the existing septic system at 12340 Scaggsville Road.

Reviewing information relevant to your request, consideration of the soil conditions and percolation test results, the design of the neighbor's septic system, assumed groundwater flow patterns and recharge area, and landscape positions were some of the factors used in making our recommendation for approval.

The Maryland Department of the Environment (MDE) has accepted our recommendation to approve the variance request subject to the specific conditions that are described below. The pending approval will allow for installation of a well on the proposed new lot.

The variance is approvable subject to the following conditions and relative to the Percolation Certification Plan signed in April 2015:

1) The well must be installed at an approved location.
2) The well to be installed must have steel casing.
3) The well casing must extend to 50 feet depth, or 10 feet into competent rock, whichever is deeper.

If you have any questions regarding this letter, you may contact me at the above address or by calling (410) 313-1771.

Sincerely,

Jeff Williams
Supervisor, Well and Septic Program
Bureau of Environmental Health

COPY: Steven Krieg, Maryland Department of the Environment

Howard County Health Department

Bureau of Environmental Health
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Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 2330 Scaggsville Road

Subdivision: Tax Map 40, Parcel 123 Lot: ____

Initial system: Application rate: 0.8 Effective area beginning depth: 5.5 Bottom maximum depth: 8

1st Replacement: Application rate: 1.2 Effective area beginning depth: 3.5 Bottom maximum depth: 8

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

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.

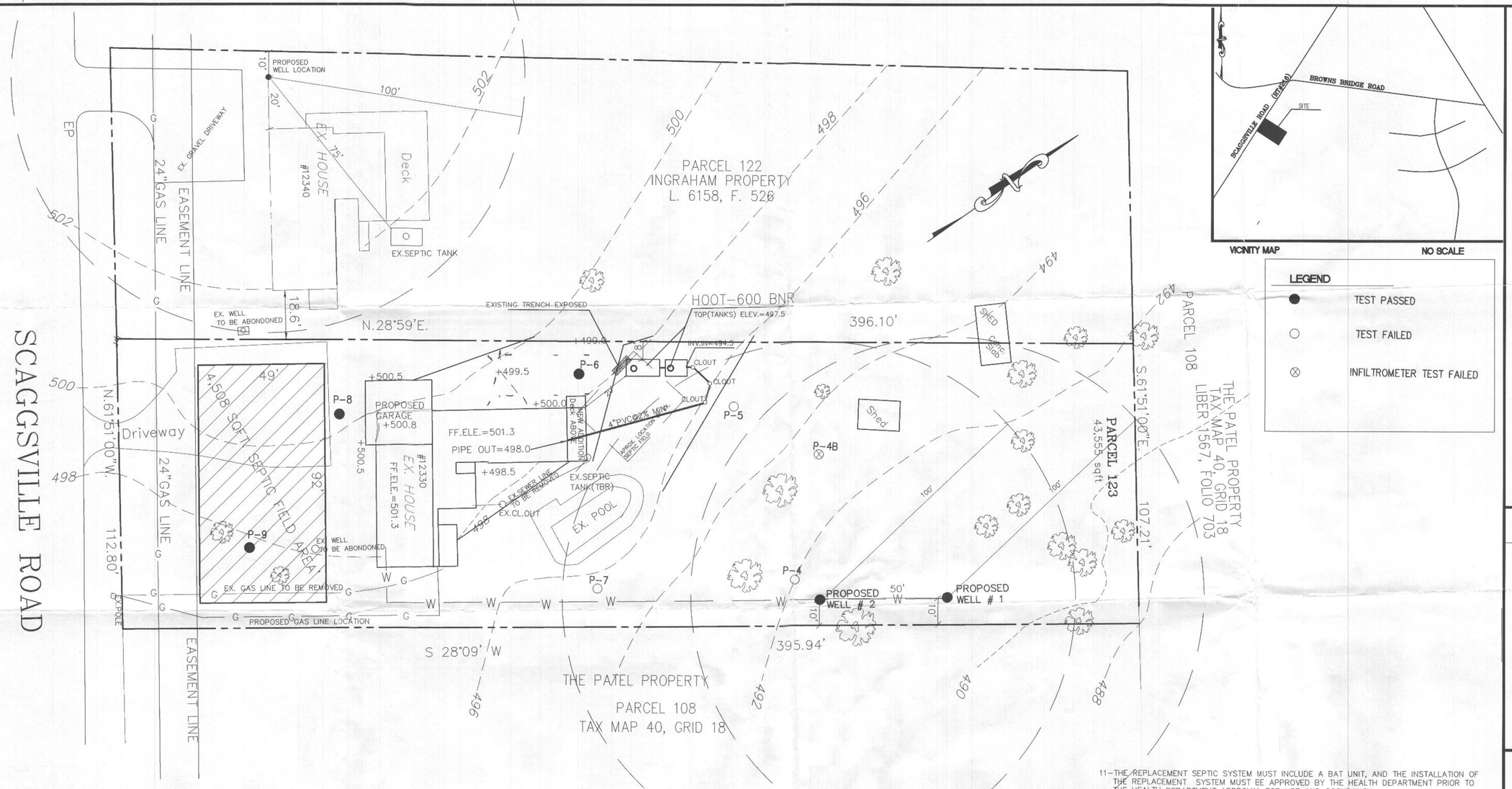
Standard design requirements:

- 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; initial drainfield to be installed under area currently covered with asphalt

Approved: RBuckler Date: 7/24/2015



VICINITY MAP NO SCALE

LEGEND

- ● TEST PASSED
- ○ TEST FAILED
- ⊗ INFILTROMETER TEST FAILED

1—THIS PLAN IS FOR A NEW HOUSE ON PARCEL 123 TO REPLACE OLD HOUSE AND THE FOUNDATION OF THE OLD HOUSE WILL BE USED FOR NEW HOUSE CONSTRUCTION.

2—THE NEW HOUSE SHALL BE SERVED BY THE EXISTING DRIVEWAY.

3—THE LOT SHOWN HEREON COMPLIES WITH MINIMUM OWNERSHIP WIDTH AND LOT AREA

4—EXISTING WELLS, SEPTIC SYSTEM DISPOSAL AREA WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEM OR SEWAGE DISPOSAL AREA HAVE BEEN SHOWN.

5—NEW HOUSE SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.

6—TOPOGRAPHY SHOWN IS FIELD RUN BY TES CONSULTANT LLC, INC. ON OR ABOUT FEBRUARY 2015.

7—TOPOGRAPHY SHOWN IS AT TWO FOOT CONTOUR INTERVALS AND HAS BEEN FIELD VERIFIED OR FIELD RUN.

8—ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

9—EXISTING WELLS AT 12330 AND 12340 SCAGGSVILLE ROAD EACH MUST BE SEALED PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT TO RECONSTRUCT THE RESIDENCE AT 12330 SCAGGSVILLE ROAD. NEW WELLS MUST BE INSTALLED AT 12330 AND 12340 SCAGGSVILLE ROAD, RESPECTIVELY.

10—THE MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS REVIEWED THIS PROPOSAL AND HAS APPROVED THE WELL TO BE ESTABLISHED AT 12330 SCAGGSVILLE ROAD WITH THE FOLLOWING CONDITION:
a. THE WELL IS TO BE INSTALLED AT AN APPROVED LOCATION.
b. THE WELL CASING MUST BE STEEL
c. THE WELL CASING MUST BE INSTALLED AT LEAST 50 FEET DEPTH , OR TEN(10) FEET INTO COMPETENT ROCK , WHICHEVER IS DEEPER.

11—THE REPLACEMENT SEPTIC SYSTEM MUST INCLUDE A BAT UNIT, AND THE INSTALLATION OF THE REPLACEMENT SYSTEM MUST EE APPROVED BY THE HEALTH DEPARTMENT PRIOR TO THE HEALTH DEPARTMENT APPROVAL FOR USE AND OCCUPANCY.

12— ▨ THESE AREAS DESIGNATE A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENTAL FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA IS SHALL BECOME NULL AND VOID UPON CONNECTION TO PUBLIC SEWEGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

13—INITIAL SYSTEM DISTRIBUTION TRENCHES SHALL BE INSTALED UNDER THE ASPHALT OF THE EXISTING DRIVEWAY—PARKING AREA.

14—THE BAT TANK MUST BE WATERTIGHT TESTED FOR APPROVAL OF THE INSTALLATION PERMIT.

ENGINEERS CERTIFICATE:

I CERTIFY THAT THE INFORMATION SHOW HEREON IS BASED ON WORK PERFORMED IN MY PRESSENCE OR BY MY DIRECTION, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

9-18-18

Rasathurat Thinakaran PE

STATE OF MARYLAND RASATHURAI THINAKARAN NO. 21694 REGISTERED PROFESSIONAL ENGINEER

"APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEM"

B Wilson for Maura Rossman
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT.

9/23/2015
DATE.

When the septic system repair is needed, the existing well must be replaced by a new well, and the existing well properly abandoned by a Licensed Well Driller reb per MDE
owners: Maura Tennyson 2/25/16
date : 2-25-16

TES
TOTAL ENGINEERING SERVICES
PLANNERS, ENGINEERS, SURVEYORS
P.O. BOX 10123
SILVER SPRING, MD 20914
TEL:(301) 515 1514 FAX:(301) 515 5589

REVISION :

Septic FEILD REVISED	07-29-15

PROJECT NAME

12330 SCAGGSVILLE ROAD
FULTON

PARCEL 123
TAX ACCOUNT # 354900
TAX MAP 40, GRID 18
ZONE: RR-DEO
5th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

DRAWING TITLE :

PERC CERTIFICATION PLAN

Drawn :	Approved	Job No.
In Charge	Project Manager	Project Architect
Scale 1" = 20'	Drawing No. 1 OF 1	
Date 7-27-15 8-28-15 9-2-15 9-17-15		

PC 555816