



# HOWARD COUNTY HEALTH DEPARTMENT

62953

DATE  
4/10/18

AS

Received  
From

Lauren Jahani

PHONE #

301 467-1192

☐ CASH

☒ CHECK

NO.

3562

For

Pers App/6705 Whitgate  
RD.

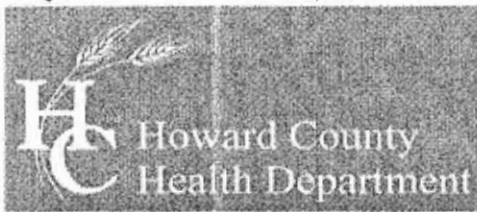
\$

506.00

Received By

J King

Dollars



## 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/hcohealth

Twitter: HowardCoHealthDep

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

### APPLICATION FOR PERCOLATION TESTING AND SITE EVALUATION

#### PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME CLARKSVILLE RIDGE

PROPERTY ADDRESS 6705 WHITEGATE RD CLARKSVILLE MD 21029  
STREET TOWN ZIP

TAX ACCOUNT # 443492 TAX MAP 35 GRID 21 PARCEL 182 LOT NO. 30 PROPOSED LOT  
SIZE (ACRES)

ZONING CATEGORY RR-DEO TIER

PROPERTY OWNER(S) SHAJAHAN & LAUREN JAGTIANI

DAYTIME PHONE CELL 301-467-0492 EMAIL SKJAGTIANI@VERIZON.NET

MAILING ADDRESS 6705 WHITEGATE RD CLARKSVILLE MD 21029  
STREET CITY, STATE ZIP

APPLICANT SHAJAHAN & LAUREN JAGTIANI RELATIONSHIP TO OWNER: OWNER

DAYTIME PHONE CELL 301-467-0492 EMAIL SKJAGTIANI@VERIZON.NET

MAILING ADDRESS 6705 WHITEGATE RD CLARKSVILLE MD 21029  
STREET CITY, STATE ZIP

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

#### PROPERTY:

☐ SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: 1  
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:

- ☐ RESIDENTIAL WITH 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

# SITE INSPECTION SHEET

OWNER: Shajahan Jagtani PHONE #: \_\_\_\_\_

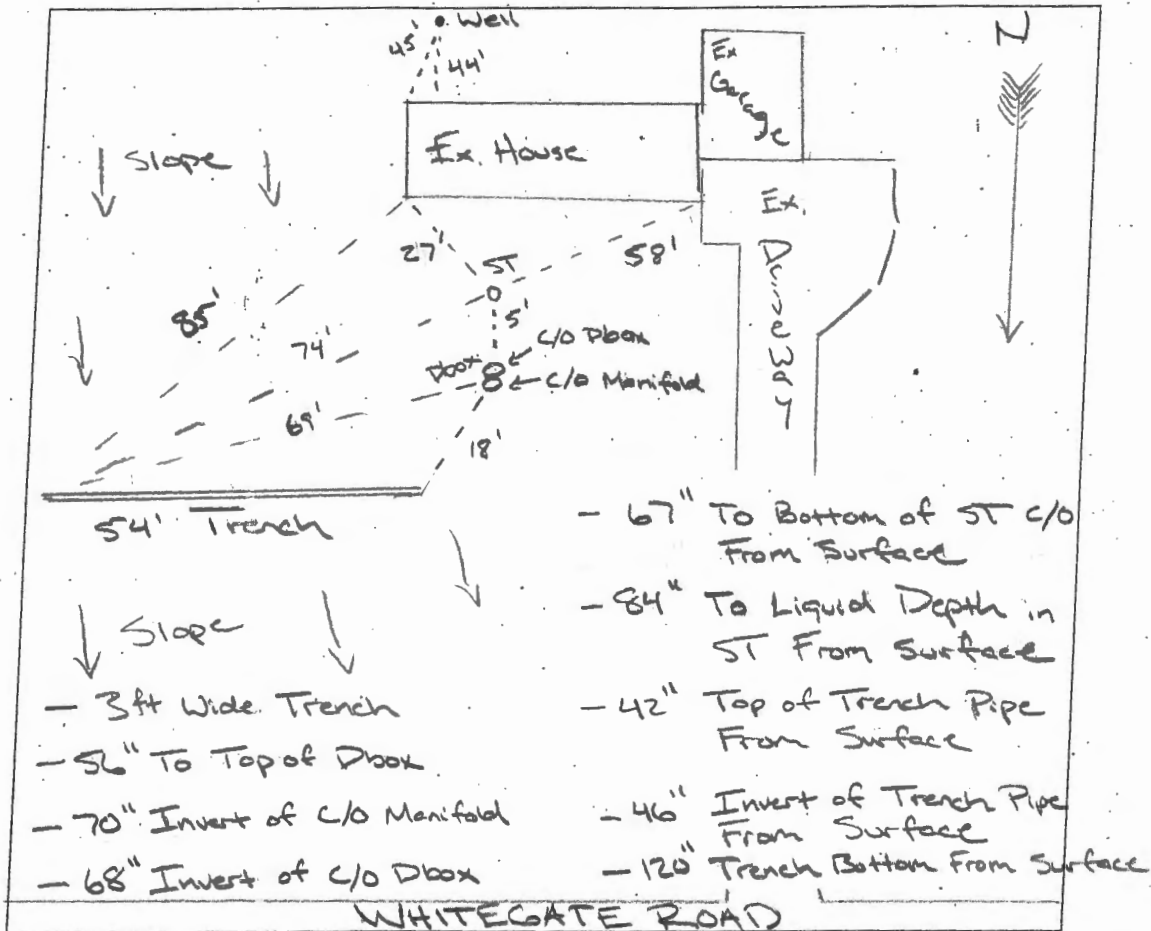
ADDRESS: 6705 Whitegate CONTRACTOR: \_\_\_\_\_

Clarksville, MD 21029 WELL TAG #: None

SUBDIVISION: Clarksville Ridge LOT: 30 COUNTY #: Howard

PROPOSAL: Perc Testing for Addition. Limited Information on Existing System. Evolution Done During Perc Testing.

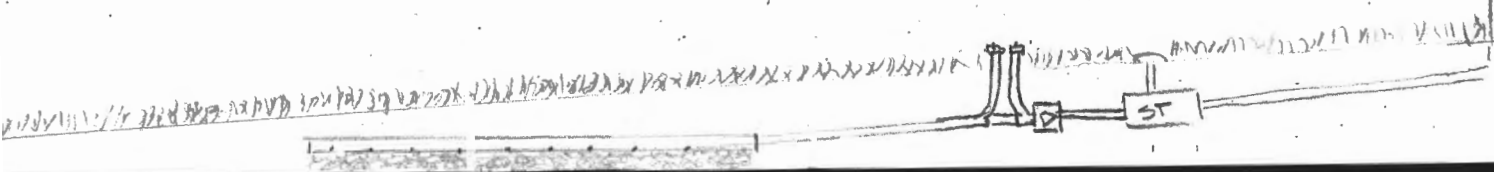
## LOCATION DIAGRAM



COMMENTS: Trench appeared to be in good condition once uncovered.

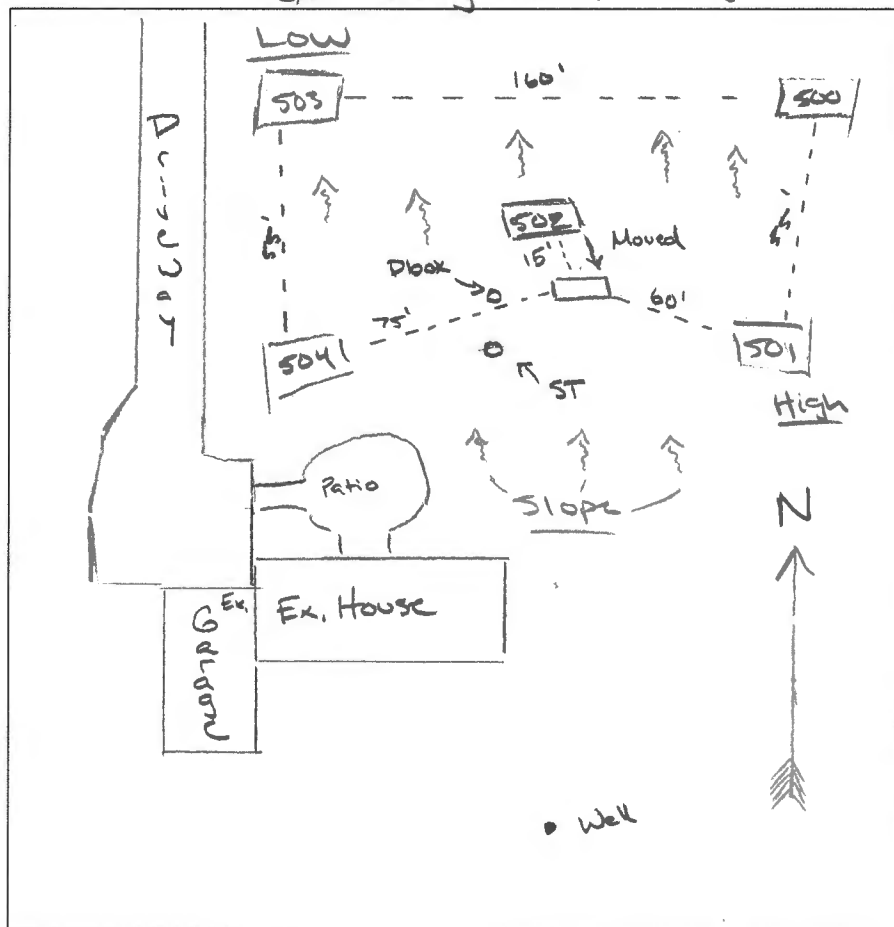
DATE: 5/9/2018 INSPECTOR: RSF

Ex. Manifold



AP 562953

## Whitegate Road



504

YB, L, FSBR

SB, SL, Thick  
Platy, Common  
MicaB, SL, ASB,  
Common MicaSB, YB, L,  
OM, common  
MicaLayered Mixture  
of B, DB, YB, Y,  
Course LS,  
Micaceous

503

YB, L, FSBR

YB, YR, LS,  
Medium PlatyLayered Mixture  
of B, DB, YB, Y,  
Course LS,  
OM, Micaceous

500

DYB, YB,  
Course SL,  
VFSBR,  
common  
MicaSB, Course  
LS, Medium  
Platy, Few  
MicaLayered mix  
of B, DB, YB, Y,  
Course LS,  
OM, Micaceous

501

DYB, YB,  
Course SL,  
VFSBR,  
common MicaSB, Course  
LS, Medium  
Platy, Few  
MicaLayered mix  
of B, DB, YB, Y,  
Course LS,W, G, Sand,  
Very Thin Platy,  
CS

502

YB, L, VFSBR

RY, B, LS,  
Medium Platy,  
Few Fine MicaB, SL, FSBR  
Common Mica

YB, L, FSBR

YB, LS, OM  
Common Mica

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/9/2018	500	4 / 14	9:21 <sub>50</sub>	9:22 <sub>50</sub>	9:23 <sub>40</sub>	1	F
	500	RP / 14	9:27 <sub>45</sub>	9:28 <sub>50</sub>	9:31 <sub>50</sub>	3	P
	501	4 / 14	9:33 <sub>50</sub>	9:34 <sub>50</sub>	9:37 <sub>00</sub>	2	P
	503	4 / 14	9:51 <sub>50</sub>	9:54 <sub>50</sub>	9:58 <sub>50</sub>	4	P
	504	5 / 12	10:06 <sub>10</sub>	10:10 <sub>00</sub>	10:14 <sub>50</sub>	4	P
	502	5 / 12	11:35 <sub>35</sub>	11:38 <sub>41</sub>	11:44 <sub>30</sub>	6	P

REMARKS 6705 Whitegate Tax # 1405443490

SANITARIAN RSF BACKHOE OTHERS Shajahan Jagtiani

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

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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

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

---

Date: May 15, 2018

← Sent

To: Shajahan & Lauren Jagtiani  
6705 Whitegate Rd.  
Clarksville, MD 21029

Re: Percolation Test Report  
Clarksville Ridge, Lot 30  
6705 Whitegate Rd.  
Clarksville, MD 21029

Percolation tests were conducted at 6705 Whitegate Rd. (Tax Map 35, Parcel 182) on March 9<sup>th</sup> 2018. Tests and profile descriptions were documented for locations 500, 501, 502, 503 and 504. All four test holes passed (500, 501, 502, 503 and 504). All holes must be field located and accurately represented on the perc certification plan.

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 3 systems (initial/existing & two replacements) or two systems (initial/existing & one replacement) with a Best Available Technology Unit (BAT).

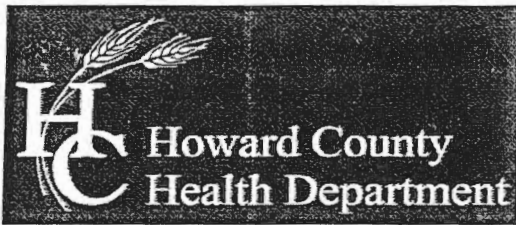
The next step in the process is to have an engineer/consultant submit a percolation certification plan to confirm the design of the sewage disposal area.

Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-6357 or by email [rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)

Respectfully,

Robert Freemon  
Bureau of Environmental Health  
Well & Septic Program

Attachment: Percolation Field Notes



## 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: 6705 Whitegate Rd. Clarksville, MD 21029

Subdivision: Clarksville Ridge Lot: 30

Initial system:	Application rate: <u>1.2</u>	Effective area beginning depth: <u>4</u>	Bottom maximum depth: <u>8</u>
1 <sup>st</sup> Replacement:	Application rate: <u>1.2</u>	Effective area beginning depth: <u>4</u>	Bottom maximum depth: <u>8</u>
2 <sup>nd</sup> Replacement:	Application rate: <u>1.2</u>	Effective area beginning depth: <u>4</u>	Bottom maximum depth: <u>8</u>

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:

$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- Trenches must be located to provide room for 3 systems in the disposal area
- 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'

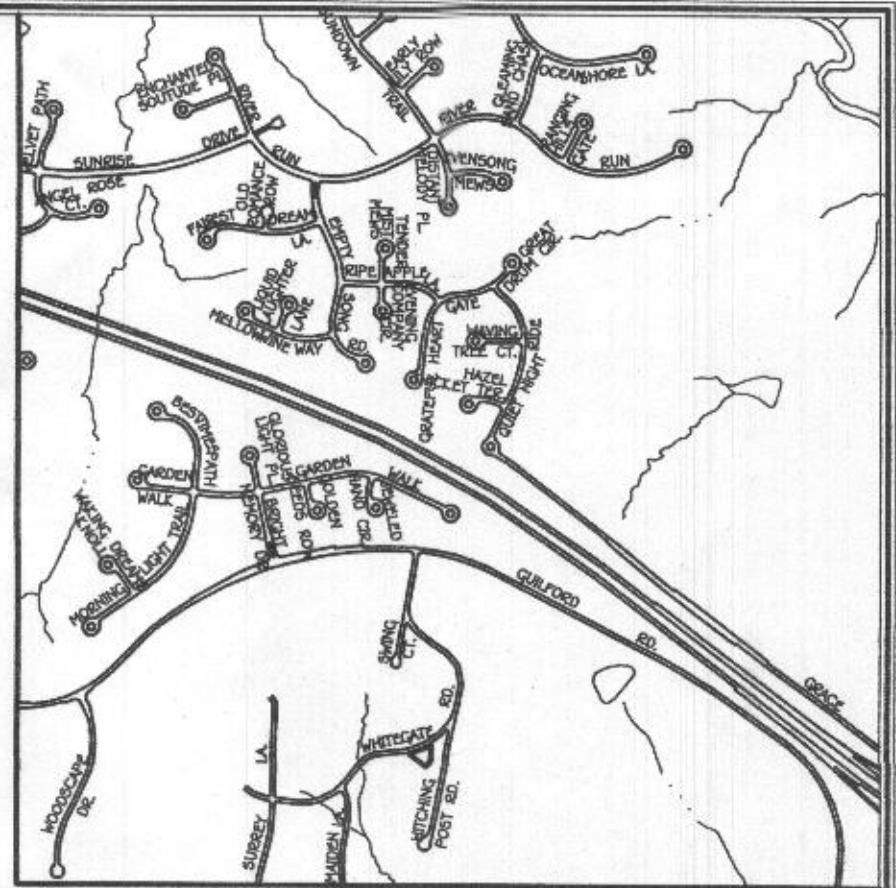
Additional requirements:

Approved: Robert Freeman Date: 5/15/2018



# LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- W DENOTES EXISTING WELL
- O DENOTES PASSED PERC



VICINITY MAP  
SCALE: 1" = 1200'

## GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 7,423 SQUARE FEET PRIOR TO MARCH 1972, AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SYSTEMS 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 AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY Q5 TOPOGRAPHY AT 2' CONTOUR INTERVAL AND FIELD VERIFIED BY FISHER, COLLINS AND CARTER, INC..
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- DEED REFERENCE LIBER 12679 FOLIO 404.

## SOILS LEGEND

SOIL	NAME	CLASS
GgB	Glenelg loam, 3 to 8 percent slopes	B
MdD	Manor loam, 15 to 25 percent slopes	B
GnB	Glenville-Balle silt loams, 0 to 8 percent slopes	C

THE PURPOSE OF THIS PLAN IS TO LAYOUT A SEPTIC AREA FOR THE NEW ADDITION.

## PERC CERTIFICATION PLAT 6705 WHITEGATE ROAD

TAX MAP #35 GRID: 21 PARCEL: 102  
3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=30' DATE: JUNE 8, 2018

OWNER  
SHAHAN JAGTANI  
LAUREN JAGTANI  
6705 WHITEGATE RD  
CLARKSVILLE, MD 21029  
PHONE (301)-467-0492

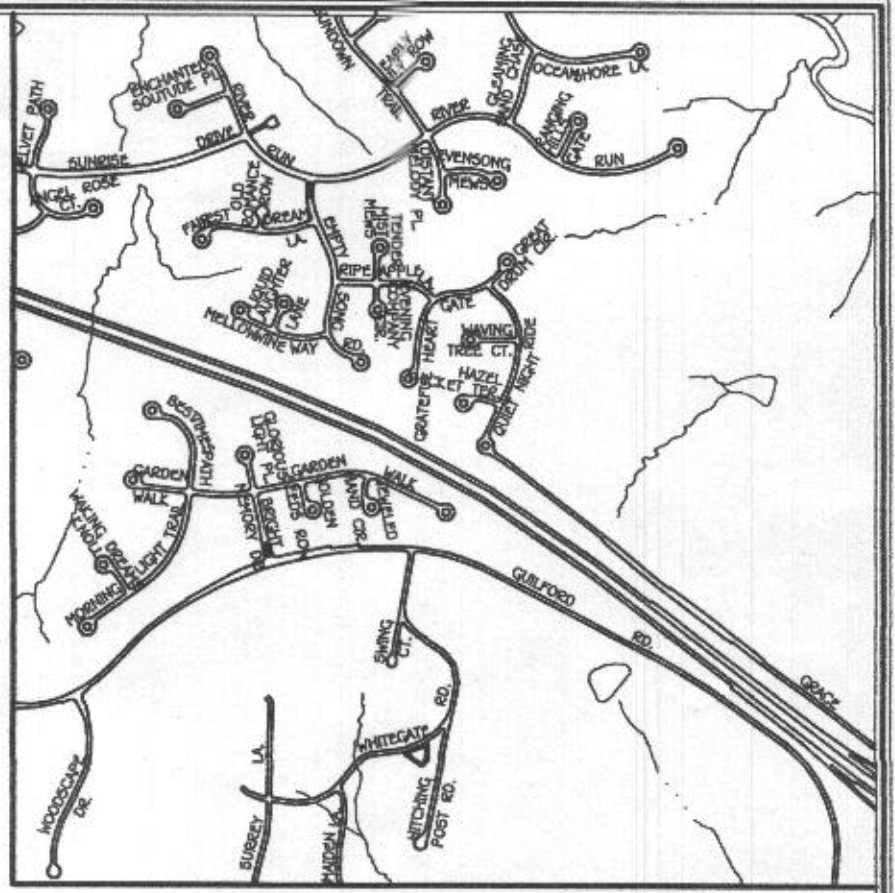
PERC CERTIFICATION  
I certify that the locations shown on this plan are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.  
Signature of Professional Land Surveyor Terrell A. Fisher, Professional Land Surveyor No. 10692 Expires 12/13/17  
Date 6/8/18

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT.  
Signature of County Health Officer  
DATE 6/25/18

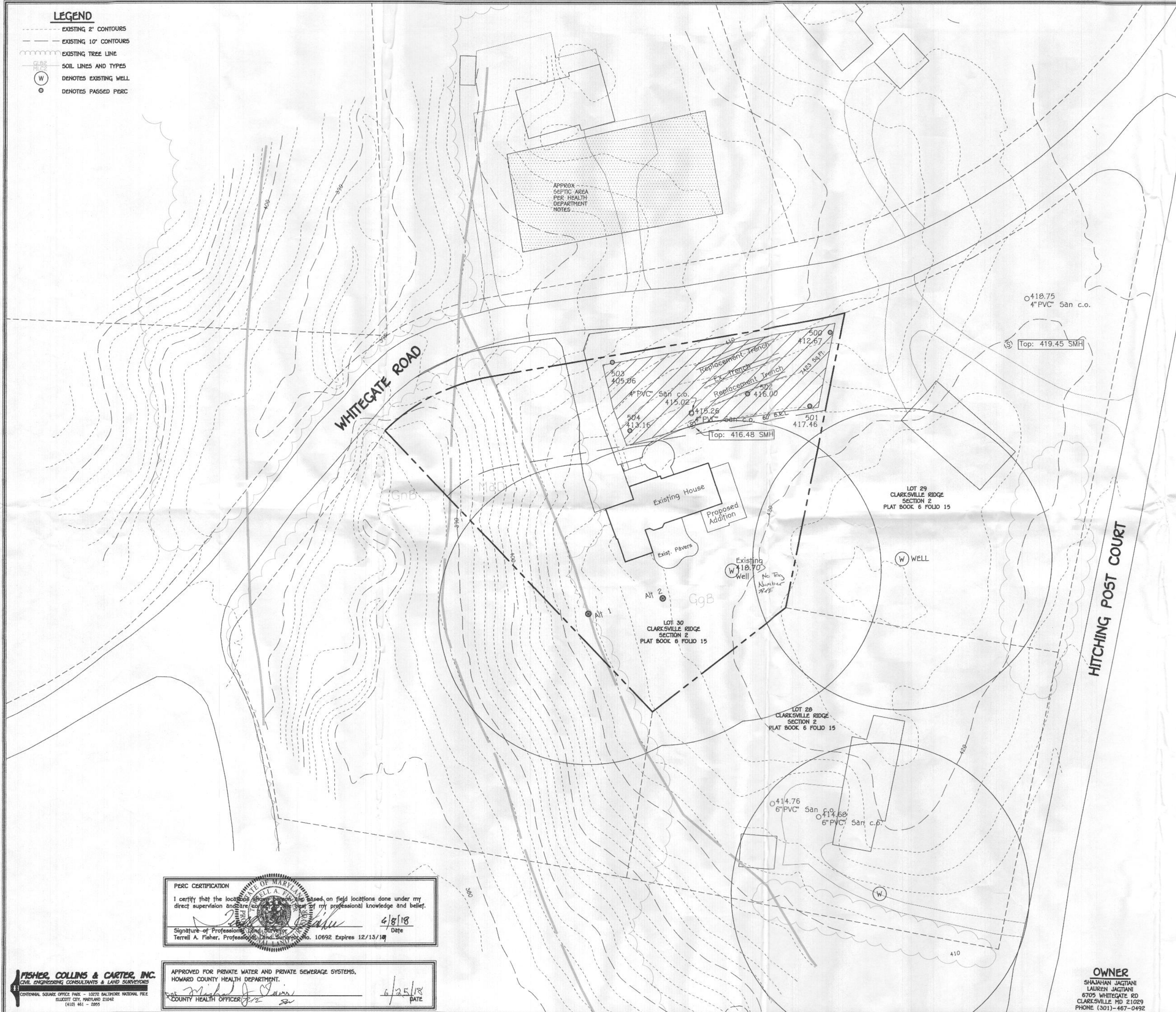


# LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- W DENOTES EXISTING WELL
- O DENOTES PASSED PERC



VICINITY MAP  
SCALE: 1" = 1200'



## GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 7,423 SQUARE FEET PRIOR TO MARCH 1972, AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SYSTEMS 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 AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY G5 TOPOGRAPHY AT 2' CONTOUR INTERVAL AND FIELD VERIFIED BY FISHER, COLLINS AND CARTER, INC.
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- DEED REFERENCE LIBER 12679 FOLIO 404.

## SOILS LEGEND

SOIL	NAME	CLASS
GgB	Glenelg loam, 3 to 8 percent slopes	B
MdD	Manor loam, 15 to 25 percent slopes	B
GnB	Glenville-Baile alt loams, 0 to 8 percent slopes	C

THE PURPOSE OF THIS PLAN IS TO LAYOUT A SEPTIC AREA FOR THE NEW ADDITION.

## PERC CERTIFICATION PLAT 6705 WHITEGATE ROAD

TAX MAP #35 GRID: 21 PARCEL: 182  
3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=30' DATE: JUNE 8, 2018

PERC CERTIFICATION  
I certify that the locations shown on this plan are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.  
Signature of Professional Land Surveyor: *Terrell A. Fisher* Date: 6/8/18  
Terrell A. Fisher, Professional Land Surveyor, No. 10692 Expires 12/13/19

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.  
Signature of County Health Officer: *Michael J. Davis* Date: 6/25/18  
COUNTY HEALTH OFFICER: *Michael J. Davis*

OWNER  
SHAHJAHAN JAGTANI  
LAUREN JAGTANI  
6705 WHITEGATE RD  
CLARKSVILLE MD 21029  
PHONE (301)-467-0492

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALDWIN NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 21042  
(410) 441-2255