

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 544514

AGENCY REVIEW: _____

DATE 1-18-13

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) ROBERT & JUDITH STULL o/o MICHELLE D. JOHNSON

DAYTIME PHONE _____ CELL 301.520.6044 FAX _____

MAILING ADDRESS 6915 LAUREL BOWIE ROAD #300 BOWIE, MD. 20715
STREET CITY/TOWN STATE ZIP

APPLICANT BRUCE D. BURTON

DAYTIME PHONE 410.795.6391 CELL 410.274.6568 FAX 410.795.9540

MAILING ADDRESS 7520 MAIN STREET #203 SYKESVILLE MD. 21784
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. PARCEL 1

PROPERTY ADDRESS 7373 HOPKINS WAY CLARKSVILLE, MD 21029
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 41 GRID 10 PARCEL(S) 42 PROPOSED LOT SIZE 1.97 AC

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

A/P _____

Empty rectangular box for notes or identification.

Empty rectangular box for notes or identification.

Empty rectangular box for notes or identification.

Large empty rectangular box for detailed notes or diagrams.

Empty rectangular box for notes or identification.

Empty rectangular box for notes or identification.

Empty rectangular box for notes or identification.

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

HOWARD COUNTY
 BUREAU OF ENVIRONMENTAL HEALTH
 JAN 18 2013
 RECEIVED

REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

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

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

SEPTIC SPECIFICATIONS WORKSHEET

Subdivision TM 41, P. 42 lower SDA A 544514
 Street Name 7373 Hopkins Way Lot Number _____
 Average Percolation Rate (min./in.) 3 min./inch Application Rate (GPD/sq. ft.) 1.2
 # 200
 Number of Bedrooms 5 Design Flow (#BRx150) = 750
 Square Footage (of House) _____ Septic Tank Capacity (gal.) _____
 Sidewall Credit / % Reduction 4.5 feet / 38% Total Length of Trench (ft.) 79

*All Septic/Pump tanks must be top seamed unless otherwise approved by this agency.

*All Septic tanks must be compartmented unless otherwise approved by this agency.

Baffle/Filter Required? Yes No

TRENCH DIMENSIONS: Trench to 3 feet wide. Inlet is at 1.5 feet below original grade with 4.5 feet of stone below the distribution pipe. Bottom maximum depth is 6 feet below original grade. Effective sidewall begins at 1.5 feet below original grade. Maintain at least 4 feet spacing between trenches.

PUMP SYSTEM PROPOSED? YES NO

Pump system details: _____ gallon pump chamber

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test required prior to Health Department approval of pumped septic system.

LOCATION:

1. Set septic tank
2. Set distribution box LPD
3. Install _____ trenches on contour

ADDITIONAL NOTES Do not order the septic tank until after layout inspection and Sanitarian approval. Stake septic easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

Reviewed by: RB

Date: 8/5/13

SEPTIC SPECIFICATIONS WORKSHEET

Subdivision T.M. 41, P. 42 initial system A 544574
Street Name 7373 Hopkins Way 1st Repair Lot Number _____

Average Percolation Rate (min./in.) 9 min./inch Application Rate (GPD/sq. ft.) 0.8
#202 & #205

Number of Bedrooms 5 proposed Design Flow (#BRx150) = 750

Square Footage (of House) _____ Septic Tank Capacity (gal.) 1800 or 2000 (BAT)

Sidewall Credit / % Reduction 55 feet / 33% Total Length of Trench (ft.) 103

*All Septic/Pump tanks must be top seamed unless otherwise approved by this agency.

*All Septic tanks must be compartmented unless otherwise approved by this agency.

Baffle/Filter Required? Yes No

TRENCH DIMENSIONS: Trench to 3 feet wide. Inlet is at 1.5 feet below original grade with 5.5 feet of stone below the distribution pipe. Bottom maximum depth is 7 feet below original grade. Effective sidewall begins at 1.5 feet below original grade. Maintain at least 13 feet spacing between trenches.

PUMP SYSTEM PROPOSED? YES NO

Pump system details: _____ gallon pump chamber

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test required prior to Health Department approval of pumped septic system.

LOCATION:

- 1. Set septic tank
- 2. Set distribution box LPD
- 3. Install 2x52 trenches on contour

ADDITIONAL NOTES Do not order the septic tank until after layout inspection and Sanitarian approval. Stake septic easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

Reviewed by: RB

Date: 8/5/13



HOWARD COUNTY HEALTH DEPARTMENT

44514

CODES

DATE

1 / 18 / 13

AS

CASH

CHECK

Received From

Bruce Burton

For

Perc App - 7373 Hopkins way

NO.

110

Five hundred six ^{xx}/₁₀₀ = Dollars

\$

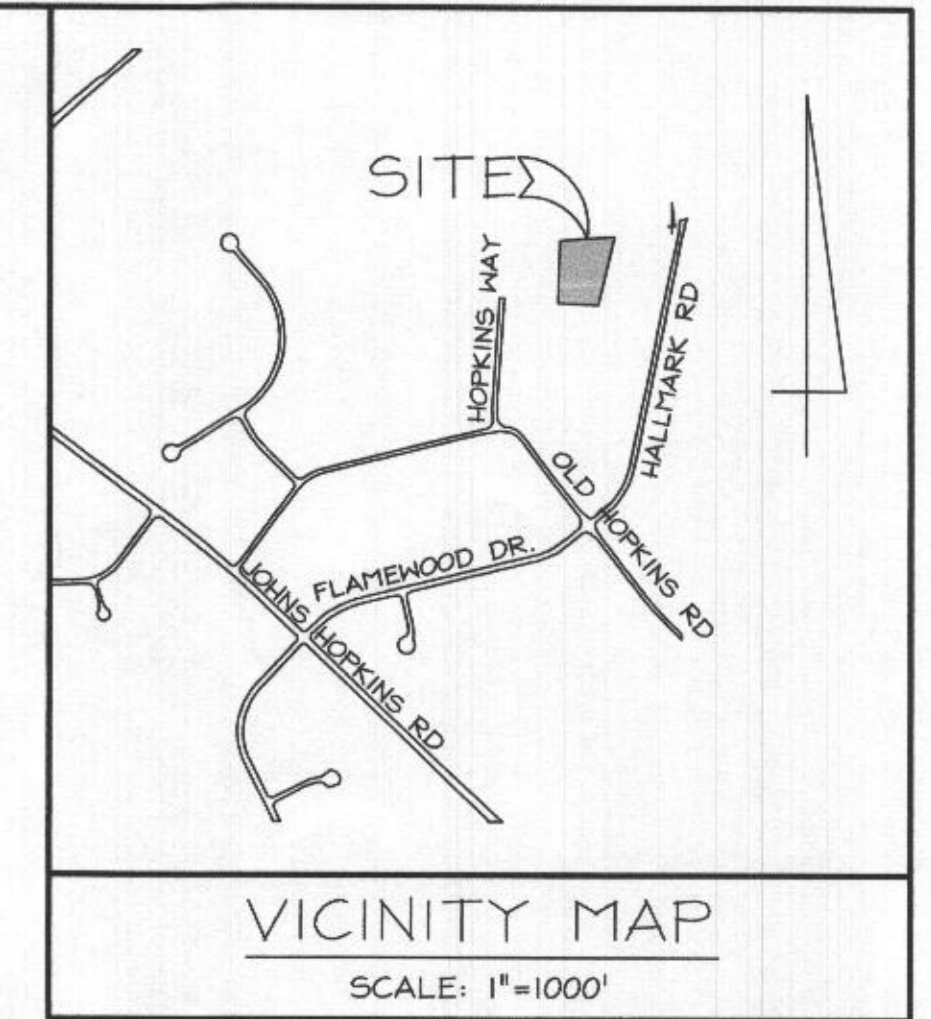
506 00

Received By

J King



- NOTES:**
- Existing Zoning: RR-DEO per 2-2-04 Comprehensive Zoning Plan
 - Deed Reference: liber 9741 folio 459
 - Total Area of Lot: 1.92 Ac. ±
 - The lot shown hereon complies with the minimum lot area and ownership width as required by the Maryland Department of the Environment.
 - All existing wells and septic systems within 100 feet of the lot which may affect this proposal have been shown.
 - The topography shown is taken from Howard County aerial topography.
 - Any changes to the Private Sewage Easement shall require a Revised Percolation Certification Plan.
 - This lot was created prior to 1972, the proposed Sewage Disposal Area shown will accommodate an initial system and two (2) replacement systems.
 - The well for this lot shall be drilled prior to approval of the Building Permit.
 - The septic system for this lot shall be equipped with best available technology (BAT) for removal of nitrogen.
 - The well to be installed on this parcel will have steel casing. The well casing will be set a minimum of 50 feet depth or at least 10 feet into competent bedrock, whichever is deeper.
 - Low-pressure distribution systems will be required for septic system drainfields installed on this parcel.
 - Maryland Department of the Environment has approved a variance to allow the well at 7373 Hopkins Way to be downgradient of the septic system at 7381 Hopkins Way with conditions for well construction. *reb for Bruce Burton 9/4/13*



- LEGEND**
- PROPOSED SEWAGE DISPOSAL EASEMENT
 - PERC TEST (FAILED 8/2/13)
 - PERC TEST (PASSED 8/2/13)
 - EXISTING WELL
 - EXISTING TREE
 - EXISTING TREE TO BE SAVED
 - PRIMARY WELL LOCATION
 - ALTERNATE WELL LOCATION
 - EXISTING SEWAGE DISPOSAL EASEMENT
 - 25% OR GREATER SLOPES

PERC TEST TABLE		
NO.	RESULT	ELEVATION
200	PASS	409.5
201	PASS	407.2
202	PASS	414.2
203	PASS	419.0
204	FAIL	417.6
205	PASS	419.8

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH OF 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS AREA 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.

THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN ESTABLISHES A SEWAGE DISPOSAL AREA AND WELL LOCATIONS IN ANTICIPATION OF CONSTRUCTING A NEW RESIDENTIAL DWELLING ON THE PARCEL

LDE Inc.
Engineers • Surveyors • Planners
 Historic Carriage House • 7520 Main Street • Suite 203 • Sykesville, Maryland • 21784
 (410)795-6391 • (410)795-6392 • FAX(410)795-9540 • www.Landsurveyormd.com

DESIGNED BDB	PERCOLATION CERTIFICATION PLAN A544514 PROPERTY OF ROBERT C. STULL #7373 HOPKINS WAY PARCEL 1.92 ACRES LIBER 109 FOLIO 294	SCALE 1"=50'
DRAWN LDE		DRAWING 1 OF 1
CHECKED BDB	TAX MAP 41 GRID 10 PARCEL 42 5th ELECTION DISTRICT HOWARD COUNTY, MD	JOB NO. 12-022.1
DATE 8/2013	OWNER: ROBERT C. STULL 7373 HOPKINS WAY CLARKSVILLE, MD 21029	APPLICANT: MARGARET MELVIN PRUDENTIAL PENFed REALTY 10500 LITTLE PATUXENT PKWY COLUMBIA, MD 21044 443-627-2900
		FILE NO.

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. 19184, EXPIRATION DATE: 6/30/15."

SIGNED Bruce D. Burton DATE 8/27/13
 BRUCE D. BURTON

NO.	DATE	REVISIONS



PERC CERTIFICATION

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.

Bruce D. Burton Date 8/27/13
 Bruce D. Burton, Professional Engineer
 MD Reg. NO. 19184

Approved: For Private Water and Private Sewerage
 Howard County Health Department

Bruce D. Burton Date 9/18/2013
 Howard County Health Officer *reb* Date 9/18/13