



HOWARD COUNTY HEALTH DEPARTMENT

26698

5 ^{DATE} 11/10/07

AS

Received From

Ricky Dorsey

PHONE # 301.401.2351

☐ CASH

☒ CHECK

NO.
3344

For PERC APP -
24100 Thompson Drive

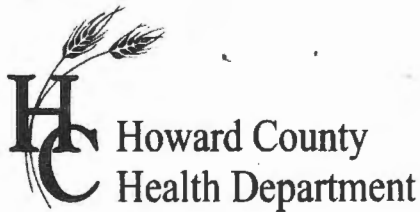
five hundred fifty dollars

Dollars

\$ 506

Received By

118mm



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P 526698

AGENCY REVIEW: _____ DATE _____

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 ONE:

- ☐ CREATE NEW LOT(S)
☐ BUILD ON AN EXISTING LOT IN A SUBDIVISION
☒ BUILD ON AN EXISTING PARCEL OF RECORD

CHECK AS NEEDED:

- ☐ NEW STRUCTURE(S)
☒ ADDITION TO AN EXISTING STRUCTURE
☐ REPLACE AN EXISTING STRUCTURE

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) Ricky D. Dersey

DAYTIME PHONE 301 404-2354 CELL same FAX _____

MAILING ADDRESS 2400 Thompson Dr. monrovia md 21104
STREET CITY/TOWN STATE ZIP

APPLICANT same

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION (Homeowner)
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS 2400 Thompson Dr. monrovia md
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

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
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P _____

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

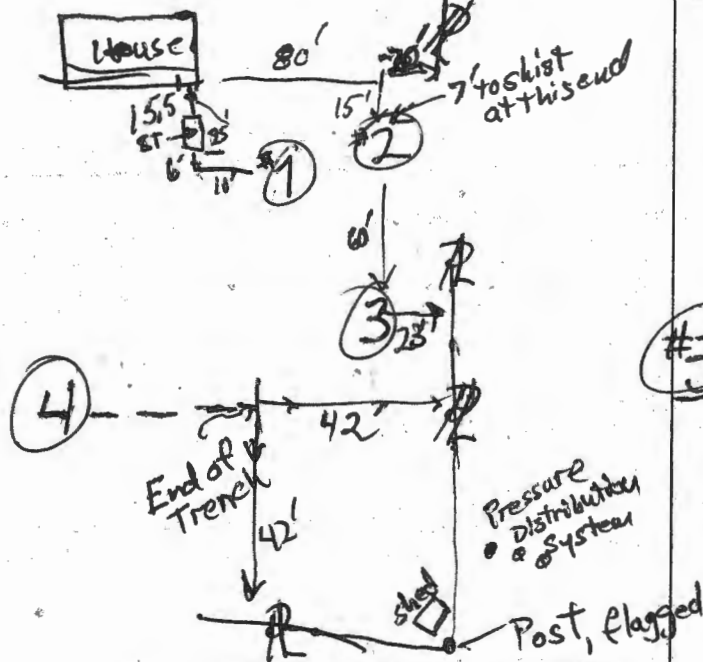
REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

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

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

#1
 3' brnsl
 3' brnsl
 1' 2m pl (compacted)
 2' brnsl
 2msbk
 2' brnsl
 micaceous
 7msbk
 3' micaceous
 dk gray-brn
 4' fingers pale red
 1s Saprolite
 common med roots
 7' brn grey ls
 Saprolite
 9' R grey
 mica
 schist
 Schist still
 occurs at
 6' on uphill
 end



#2
 brnsl
 2f sbk
 many fine and medium
 common coarse roots
 2' brnsl
 2c sbk
 2' yel-brn
 dk grey
 2' pale brn
 1s
 Saprolite
 10' mica schist
 at 7' at east end
 #3
 dk grey brn
 sl, 2f sbk
 1v f sbk
 0.5'
 brnsl
 2'
 Pale brn
 sl w/ Tongues
 brnsl
 3'
 pale brn
 grey brn
 1' yel-red ls
 Saprolite
 8' R

#4
 0.3' brnsl, 1f sbk
 2' brnsl
 2msbk
 2' brnsl
 7msbk
 micaceous
 3' Pale brn
 grey-brn
 yellow-red
 1s, 0.4m
 Saprolite
 10' ↓

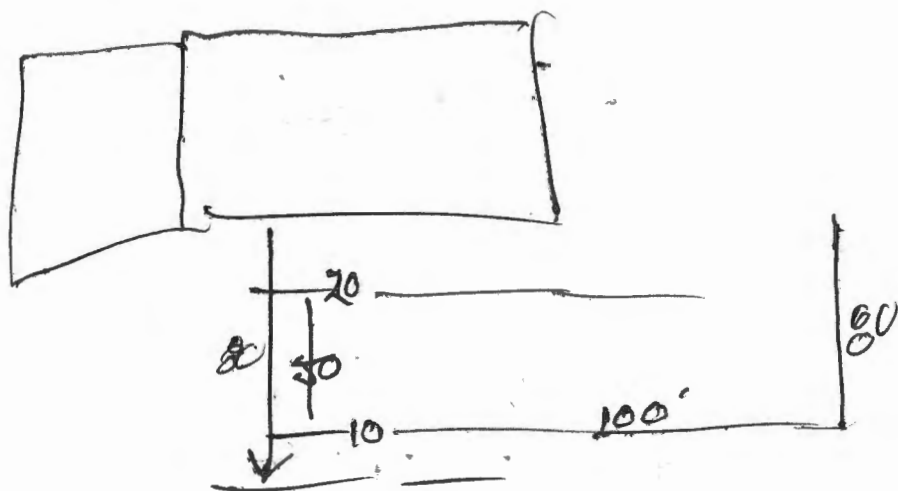
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/25	1	4' 9"	0	3	8	5	P
6/25	2	2.5' 10"	0	2.5	7.5	5	P
5/25	3	2.5' 8"	0	21	pulled		F
5/25	3	3' 0"	0	12	pulled		F
	3	4.5' 8"	0	0.5	1.5	1	repair
	2	8'	Visual	OK	5 gal water infiltrates in 5 min		
	3	8'	Visual	OK	5 gal water infiltrates in 5 min		
	3	12' 2"	repair	1.5	3.75	2.25	P
5/25	4	10'	Visual	OK	5 gal water infiltrates		P

REMARKS Existing system OK

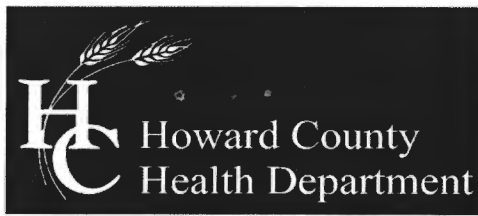
SANITARIAN RB BACKHOE Rick Dorsey OTHERS

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

TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH 6 EFFECTIVE SW



0997 4'4"
0998 3'4.5"



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

June 19, 2007

Rick Dorsey
2400 Thompson Drive
Marriottsville, MD 21104

RE: PERCOLATION TEST RESULTS, A-526698

Dear Mr. Dorsey,

Percolation testing was conducted on the referenced property on May 25, 2007. Field data collected are shown on the Percolation Test Worksheet enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall have not been provided but may be given at time that a system upgrade or replacement is deemed necessary. Values for these parameters are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. Percolation Test Results indicate soils' conditions that are satisfactory for onsite wastewater disposal.

This testing was conducted in response to a building permit application to add a two-story addition (20 ft x 20 ft) to the existing residence (existing enclosed space = 1248 sq.ft.). The existing residence is served by public water, as is each residence in the immediate vicinity.


The existing wastewater disposal system was observed: at the septic tank cleanout, and by exposing the south end of the existing trench. The exposed gravel was clean, and no evidence of pooling or other indication of a failing system was observed.

A 1500-gallon septic tank (minimum volume) will be required as a replacement for the existing 1000 gallon septic tank (or a 500 gallon tank installed in tandem). The upgrade is essential to meet current county code that a residence having enclosed space of 1500 to 3500 square feet must have a septic tank with minimum 1500 gallon capacity. The new tank will be installed after approval of the Percolation Certification Plan, but before issuance of the Building Permit. A table of Septic System Inverts (Elevations) must be provided on either the Percolation Certification Plan or on the Site Plan accompanying the Building Permit.

Maryland Department of Assessment and Taxation data indicate the existing residence contains 3 bedrooms. A floor plan showing existing and proposed rooms must be presented to Health Department personnel. Should the Health Department determine that the residence has a potential increase of wastewater as a result of the new construction, additional drainfield trench may be required prior to Building Permit approval.

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

Respectfully,


Robert C. Bricker, Jr., CPSS
Well and Septic Program
Development Coordination Section

CC: File

Please add this Note:

Prior to Building Permit application approval, the septic tank capacity will be increased to 2000 gallons, and a trench will be added to the drainfield ~~so~~ Total ~~accomodate flow~~ absorption area will accomodate flow for 5 bedroom residence.

vlb
7/3/07

SEPTIC SPECIFICATIONS WORK-SHEET

** Only For Upgrade*

SUBDIVISION: Dorsey

A 526698

STREET NAME: 2400 Thompson Dr.

LOT NUMBER: _____

AVERAGE PERCOLATION RATE: _____

SQUARE FEET PER BEDROOM: 125

NUMBER OF BEDROOMS: 5

LINEAR FEET OF TRENCH PER BEDROOM: 22.5

ADDITIONAL TOTAL LINEAR FEET OF TRENCH: 52

SEPTIC TANK CAPACITY: ADD 1000

TOP SEAMED TANK REQUIRED? ☒ YES ☐ NO

COMPARTMENTED TANK REQUIRED? YES ☐ NO ☒

TRENCH DIMENSIONS: Trench to be 2 feet wide. Inlet 2 feet below original grade. Bottom maximum depth 6 feet below original grade.

Effective area begins at 2 feet below original grade. 4 feet of stone below distribution pipe.

PUMPED SYSTEM PROPOSED: YES ☐ NO ☒

PUMPED SEPTIC SYSTEM DETAIL: _____ gallon pump chamber.

YES NO Top sealed pump chamber required?

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

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

LOCATION: Install 1,000 gallon Septic Tank in tandem with existing 1000 gallon tank.

Install a Trench, 52 feet length, between existing trench and back property line.

ADDITIONAL NOTES: Replumb ~~Dist~~ Existing Distribution Box as necessary.

Call ~~for~~ 1 day in advance of Layout inspection.
Lengthen trench if gravity flow to 2' inlet cannot be achieved.

Reviewer: _____

NEB 7/12/07

Date: _____

2400 Thompson Drive, Marriottsville Percolation Certification Plan and Site Plan

SCALE 1"=100' FT.

PC 526698

CS	152.88'	417.00'	152.00'	S 28°29'47" W
C3	130.22'	500.00'	129.85'	S 02°47'30" W
C4	24.76'	413.00'	24.76'	S 12°58'07" E
				S 18°18'42" E

LINE	BEARING	DISTANCE
L1	S 37°35'11" W	93.77'
L2	S 21°05'26" E	52.61'

KEY

- ⊗ ST-1 = SEPTIC TANK 1
- △ ST-2 = PROPOSED 1000 GAL SEPTIC TANK
- ▬ = EXISTING TRENCH
- ⊙ = DISTRIBUTION BOX EXISTING
- = PERC TEST HOLES
- ▨ = PROPOSED 50' FT. TRENCH PARCEL 308
- ▨ = SEPTIC EASEMENT

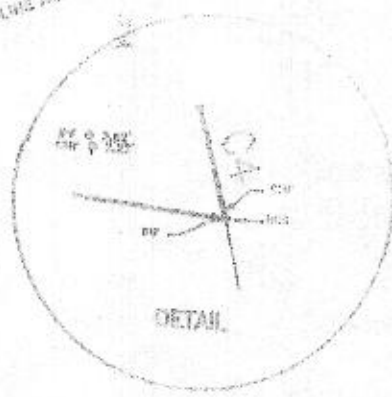
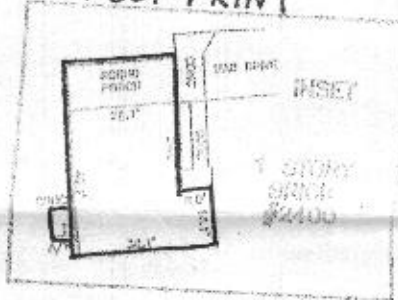
INTERSTATE 70
SHA PLAT NO. 35637 PERC ELEVATIONS

HOLE #1	550.8
2	549.5
3	545.0
4	548.0

PERC TEST PASSED

BASEMENT	551.0
1 IN SEPTIC TANK	549.5
OUT SEPTIC TANK	549.0
PROPOSED 2 IN SEPTIC TANK	548.9
OUT SEPTIC TANK	548.5
DISTRIBUTION BOX	545.5

FOOT PRINT



Calder (CE)	551.0
Invert out of House	550.0
Invert into Septic Tank 1 (existing tank)	549.5
Exit Septic Tank 1 (existing tank)	549.0
Invert into Septic Tank 2 (proposed tank)	548.9
Exit Septic Tank 2 (proposed tank)	548.5
Invert into Distribution Box	545.5
Exit Distribution Box	545.3

DESCRIPTION OF SEPTIC ELEVATIONS

Calder (CE)

Invert out of House

Invert into Septic Tank 1 (existing tank)

Exit Septic Tank 1 (existing tank)

Invert into Septic Tank 2 (proposed tank)

Exit Septic Tank 2 (proposed tank)

Invert into Distribution Box

Exit Distribution Box

I certify that the information shown is based on work performed by myself, or in my presence or direction, and is correct to the best of my knowledge.

OWNER/DEVELOPER: Ricky D. Dorsey Signature Date 7/11/07

Approved for private sewage systems: Balysen for Peter Balysen Signature Date 7/26/2007

HOWARD COUNTY HEALTH OFFICER: Balysen for Peter Balysen Signature Date 7/26/2007

PROPERTY ADDRESS: 2400 THOMPSON DRIVE

CERTIFICATE
I HEREBY DECLARE THAT THE POSITION OF ALL THE VISIBLE EXISTING IMPROVEMENTS SHOWN ON THE ABOVE DESCRIBED PROPERTY HAVE BEEN ESTABLISHED BY PROPER FIELD METHODS.

Gary Dean Simpson
GARY DEAN SIMPSON
Reg. MARYLAND Property Line Surveyor No. 514

REFERENCES
PLAT BK.
PLAT NO.
LIBER 2639
FOLIO 319

THE PROPERTY SHOWN HEREON IS LOCATED IN ZONE 5 (AREA OF MINOR FLOODING) ACCORDING TO NATIONAL FLOOD INSURANCE PROGRAM (NFIP) AND COMMUNITY PANEL NO. 240044 0016 B AS REVISED 12/1/06.

CMS

CENTRAL MARYLAND SURVEYORS, INC.	
4112 HERRINGMAN DRIVE (301) 282-2500 FAX (301) 282-0078 ROWS, IN 70716	
DATES:	SCALE: 1"=100'
WALL CHECK:	DRAWN BY: MJW JSS
HSE. LOC.: 3/7/98	JOB NO.: 0229 00
BOUNDARY: 01-14-1999	

Owner/Developer: Ricky Dorsey
2400 Thompson Drive
Marriottsville, MD 21104
PH - (301) 404-2354
Receipt # A-526698

Drawn by: Ricky Dorsey, 7/03/2007

NOTES

- The subject property and surrounding properties all obtain drinking water from a public source.
- Topography on this plat is from Howard County data and is verified to accurately represent the relative elevation changes on this property.
- The lot shown, complies with the minimum ownership width required by the Maryland Department of Environment.
- Changes to the sewage easement will require a revised percolation certification plan.
- This area designates a private sewage disposal area, as required by Maryland Department of Environment for individual sewage disposal. Should the residence connect to public sewage, reconstruction of the modified sewage easement shall not be necessary.
- The existing residence, garage, distribution box, and waste water trenches will remain.
- The two existing sheds will be removed, prior to building permit approval.
- The septic tank capacity will increase to 2,000 gallons, and a trench will be added prior to Building Permit approval.
- The residence is connected to public drinking water.
- The entire property is within Gals soil mapping unit.

ON-SITE SEWAGE DISPOSAL SYSTEM LOCATIONS

Septic Easement to House	30 feet
Septic Tank to House	15 feet
Distribution Box to House	75 feet
Septic Easement to Property Line on West Boundary	10 feet
Septic Easement to Property Line on South Boundary	20 feet
South End of Trench to West and South Boundary Lines	42 feet

FILE INQUIRY NOTES

[illegible]