



HOWARD COUNTY HEALTH DEPARTMENT

61482

A5

8 / 11 / 17
DATE

Received
From

Five Contractors, Inc.

PHONE # 410-795-4840

For

Perk Permit - Freedom Septe

4690 Ten Oaks Rd.

☐ CASH

☒ CHECK

NO.

017955

Five Hundred Six

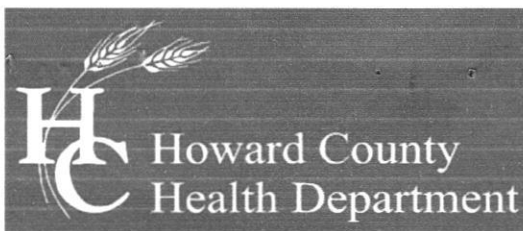
Dollars

\$

506.00

Received By

Shelley Beatty



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

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Allen Brown Property

PROPERTY ADDRESS 4690 Ten Oaks Rd Dayton 21036
STREET TOWN ZIP

TAX ACCOUNT # TAX MAP 0028 GRID 002 PARCEL 0183 LOT NO. PROPOSED LOT SIZE (ACRES) 5 acres

ZONING CATEGORY TIER

PROPERTY OWNER(S) Richard Gamertsfelder

DAYTIME PHONE 410-790-0951 CELL EMAIL

MAILING ADDRESS 4690 Ten Oaks Rd Dayton MD 21036
STREET CITY, STATE ZIP

APPLICANT Freedom Septic/Bur True RELATIONSHIP TO OWNER: contractor

DAYTIME PHONE 410-795-2947 CELL 410-984-6863 EMAIL Kristine@freedomseptic.com

MAILING ADDRESS 2809 Liberty Rd Sykesville MD 21784
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:
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.

Charles B. Bepko

SIGNATURE OF APPLICANT

8/7/17

DATE

AP

North



(C)
Yellowish Red,
Loam,
Thick Platy,
Slightly Sticky,
Thin Platy

(Pinkish White,
Reddish Yellow,
White, Black,
Mixed Together
SL, Thin Platy

Grayish Brown,
Reddish Yellow
Layers

(F)
Strong Brown,
Loam, ZMSBK

Yellowish Red,
SL, Thin Platy,
Common Fine Mica

(2.2')
Yellowish Brown,
Brownish Yellow,
Grayish Brown,
Thinly Layered,
Loamy Fine
Sandy, Very
Thin Platy,
Very Common
Mica

(4')
Strong Brown,
Reddish Yellow,
Loamy Course
Sandy, Very
Thin Platy,
Few Mica

Alternating
Layers
↓

(D)
Dark Brown,
Moderate Peds,
Loam, Thick
Platy

(3.5')
Yellowish Red,
Patches of
Reddish Yellow,
Fine Sandy Loam,
ZMSBK
Thick Platy

Loamy Fine
Sand, Common
Mica

(4')
Yellowish Brown,
Yellowish Red
Sand, Thin Platy
Platy Shale
Rock 30-40%

(6')
50% Rock
Common Thin Roots

(7')
Hard Bottom

(E)

Dark Brown, Loam,
Common Fine Roots

(1')
Yellowish Red, CL,
ZMSBK,
Common Fine Roots

(3.5')
Red, SL, Fine Mica,
Weak Thin Platy,
Common Fine
Roots

(7')
White Quartz/
Sand Layer

(A)

(15')
Dark Brown loam
Red, SL, Thick Platy,
Fine common Mica
Strong Brown
20-40% Rocks
Channery
Thick Platy, SL
Hard Bottom

(B)

(10.5')
Dark Brown,
Loam
Reddish Yellow
Strong Brown
Loam

(2.2')
Yellowish Brown,
Very Fine Sandy
Loam, Thin
Platy, Few Mica
Few Thin Roots
to 5'

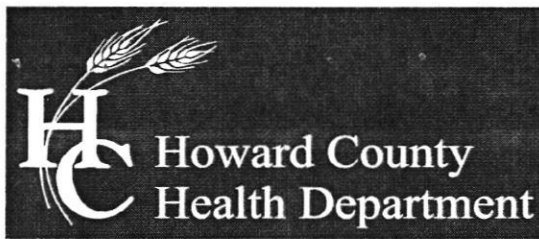
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12/14/17	C	4.5 / 14	9:35	9:37	9:41	4	P
	D	3 / 11	10:34	10:42	10:58	16	P
	E	4 / 15.5	11:33	11:37	11:44	7	P
	F	OBSERVATION					P
	A	4 / 10.5	11:03	11:09	11:19	10	P
	B	4.2 / 14.5	11:33	11:36	11:40	4	P

REMARKS Hole F was added in the field. Not shown on test plan.

SANITARIAN RSF BACKHOE Freedom OTHERS

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

TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW



Bureau of Environmental Health

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Twitter: HowardCoHealthDep

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

Date: December 26, 2017

To: Richard Gamertsfelder
4690 Ten Oaks Rd.
Dayton, MD 21036

Re: Percolation Test Report
4690 Ten Oaks Rd.
Dayton, MD 21036

Percolation tests were conducted at 4690 Ten Oaks (Tax Map 28, Parcel 183) on December 14th. Tests and profile descriptions were documented for locations A, B, C, D, E and F. All six test holes passed (A, B, C, D, E and F). 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. Please note test hole D, although passing, should be avoided due to having 50% rock content at 7ft. In order to maintain the required 4ft buffer trenches in this area will only be allowed a max bottom depth of 3ft and bottom area only for sidewall credit. The septic reserve area must be large enough to accommodate 3 systems (initial & two replacements) or two systems (initial & one replacement) using Best Available Technology (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

Respectfully,

Robert Freemon
Bureau of Environmental Health
Well & Septic Program

Attachment: Percolation Field Notes



HOWARD COUNTY HEALTH DEPARTMENT

61539

DATE 9/28/17

AS

Received From

CLSI

PHONE #

40848-1790

For

Per App/ 4690 Ten Oaks Rd.

☐ CASH

☒ CHECK

NO.

8539

Five hundred six

Dollars

\$ 506.00

Received By

OKing



HOWARD COUNTY HEALTH DEPARTMENT

61539

DATE 9/28/17

Received From

PHONE #

☐ CASH

☒ CHECK

NO.

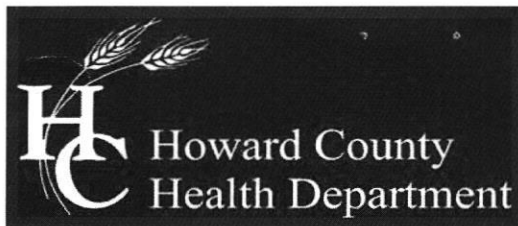
For

8539

\$ 500.00

Received By

Dollars



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

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

A561539

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Gamertsfelder Property

PROPERTY ADDRESS 4690 Ten Oaks Road Dayton, MD 21036
STREET TOWN ZIP

TAX ACCOUNT # 05-359821 TAX MAP 29 GRID 2 PARCEL 185 LOT NO. 21A PROPOSED LOT SIZE (ACRES) 5.00Ac.

ZONING CATEGORY RR-DEO TIER 4

PROPERTY OWNER(S) Richard Gamertsfelder

DAYTIME PHONE _____ CELL _____ EMAIL _____

MAILING ADDRESS 4690 Ten Oaks Road, Dayton, MD 21036
STREET CITY, STATE ZIP

APPLICANT CLSI/Linda Alexander RELATIONSHIP TO OWNER: Engineer

DAYTIME PHONE 410-848-1790 CELL 443-375-9903 EMAIL lalexander@clsimail.com

MAILING ADDRESS 439 E. Main St, Westminster, MD 21157
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: _____
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 4 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:

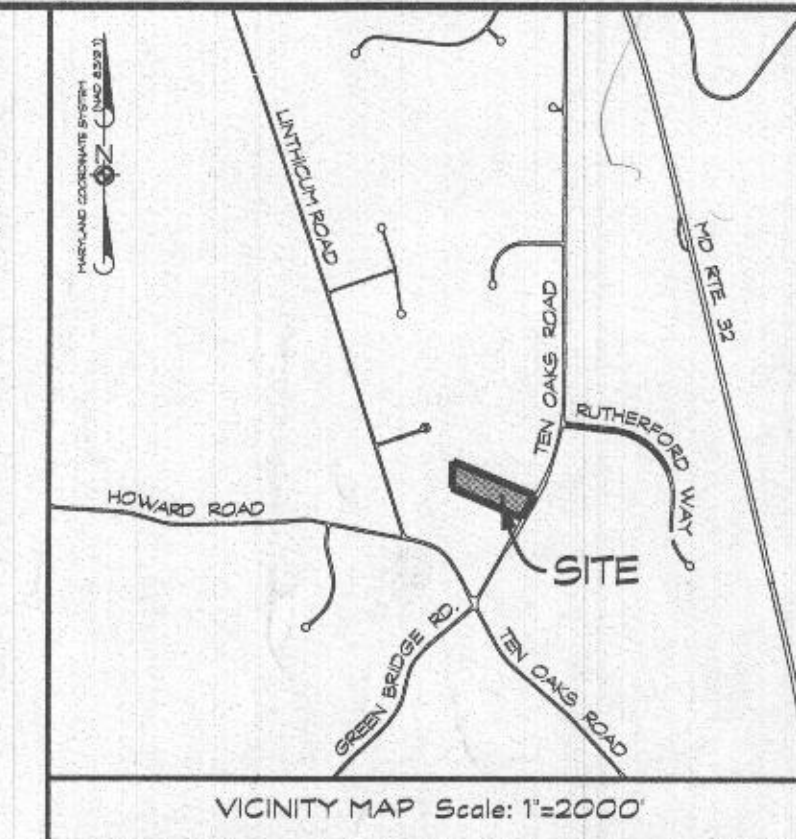
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I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable 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



SEPTIC SYSTEM TRENCH DESIGN:

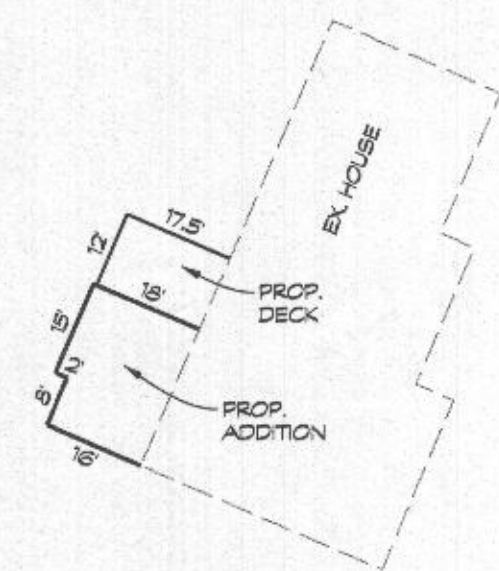
PROPOSED NUMBER OF BEDROOMS = 3
AVERAGE PERCOLATION TEST TIME =
APPLICATION RATE = 0.8
DESIGN FLOW: 150 GALS x 3 BEDROOM = 450 GAL/DAY
450 GAL/DAY x 0.8 GAL/DAY/SQ. FT. = 360.0 = 563 SQ. FT.
563 SQ. FT. / 3 FT. = 187.66 = 188 LF. OF TRENCH
INITIAL SYSTEM:
188 LF. OF TRENCH
EFFECTIVE DEPTH IS 4'
188 LF. x 0.42 = 78.96 = 79 LF. OF TRENCH
REPLACEMENT SYSTEMS:
188 LF. OF TRENCH
EFFECTIVE DEPTH IS 5'
188 LF. x 0.36 = 67.68 = 68 LF. OF TRENCH

GENERAL NOTES

- CURRENT TITLE REFERENCE:
OWNER: RICHARD A. GAMERTSFELDER
DEED REFERENCE: L. 15873, F. 448
DATE: NOVEMBER 13, 2014
GRANTOR: CLIA BELLE MEBANE
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY 200' SCALE TOPO MAPS AND FIELD VERIFIED BY CLSI TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
- EXISTING WELLS AND/OR SEWER EASEMENTS WITHIN 100' OF THE LOT LINES HAVE BEEN SHOWN.
- B.R.L. DENOTES BUILDING RESTRICTION LINE
- ANY CHANGES TO THE PRIVATE SEWER EASEMENT AND/OR ALTERNATIVE WELL LOCATION SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO SHOW A PROPOSED ADDITION. THE PROPOSED ADDITION IS FOR AN EXPANSION OF THE EXISTING MASTER BEDROOM AND TO ADD A BATHROOM FOR THE MASTER BEDROOM.
- EXISTING WELL HAS BEEN FIELD LOCATED BY CLSI AND ACCURATELY SHOWN ON THE PLAN.
- The Drywell must be filled with stone with documentation sent to the Health Department prior to Building Permit Approval. R/E

DATA TABULATIONS:

- ZONING DISTRICT: RR-DEO
- NUMBER OF BUILDING SITES: 1
- TOTAL AREA OF LOT: 5.00 ACRES



HOUSE DETAIL SCALE: 1"=30'

PLAN SCALE: 1"=50'

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 SEWERAGE 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.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

Richard A. Gamertsfelder
COUNTY HEALTH OFFICER R/E

2/13/2018
DATE *g*

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.

Dennis E. Meckley 1/31/18
DENNIS E. MECKLEY, PROPERTY LINE SURVEYOR NO. 10844

OWNER/DEVELOPER
RICHARD A. GAMERTSFELDER
4690 TEN OAKS ROAD
DAYTON, MD 21036

PERCOLATION TEST RESULTS, _____

SITE PLAN & PERC CERTIFICATION PLAN GAMERTSFELDER PROPERTY

4690 TEN OAKS RD. DAYTON, MD 21036

5th ELECTION DISTRICT - HOWARD COUNTY, MARYLAND
TAX MAP: 28 - GRID: 2 - PARCEL: 183
LIBER: 15873, FOLIO: 448



439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 848-1791

A LICENSED MARYLAND SURVEYOR EITHER PERSONALLY PREPARED THIS PLAN OR WAS IN RESPONSIBLE CHARGE OVER ITS PREPARATION AND THE SURVEYING WORK REFLECTED IN IT, IN COMPLIANCE WITH THE MARYLAND MINIMUM STANDARD OF PRACTICE FOR LAND SURVEYING

Date	Revisions	Drawn By: BM
		Designed By:
		Reviewed By:
		Date: SEPT., 2017
		Scale: AS SHOWN
		Job No.: 2017200
		Sheet: 1 OF 1