



HOWARD COUNTY HEALTH DEPARTMENT

A5 28501

DATE
2/19/08

Received
From

Joyce Stohman

PHONE # 301-599-9734

14738 Tindalphia Mill Rd, Dayton MD 21036

☐ CASH
☒ CHECK

For Pet Application

Same address

NO.

1876

Five hundred six and 00/100

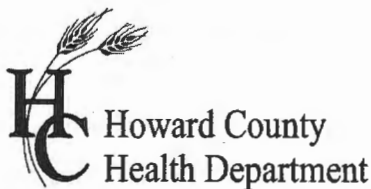
Dollars

\$

506.00

Received By

Mary L. Buggs



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ AP 528501

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 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 3 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) Joyce Stohman Tom Brewer
DAYTIME PHONE 301 596-9734 CELL 410 707 4659 FAX 410 531-2130
MAILING ADDRESS P.O. Box 65 Dayton Maryland 21036
STREET CITY/TOWN STATE ZIP

APPLICANT Joyce Stohman
DAYTIME PHONE 301 596-9734 CELL 410 707 4659 FAX 410 531-2130
MAILING ADDRESS P.O. Box 65 Dayton Md. 21036
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION T. Hartley Johnson Property
SUBDIVISION/PROPERTY NAME ~~14230 Triadelphia Mill Rd.~~ LOT NO. 8
PROPERTY ADDRESS 14230 Triadelphia Mill Rd. Dayton Md.
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 27 GRID 18 PARCEL(S) 129 PROPOSED LOT SIZE _____

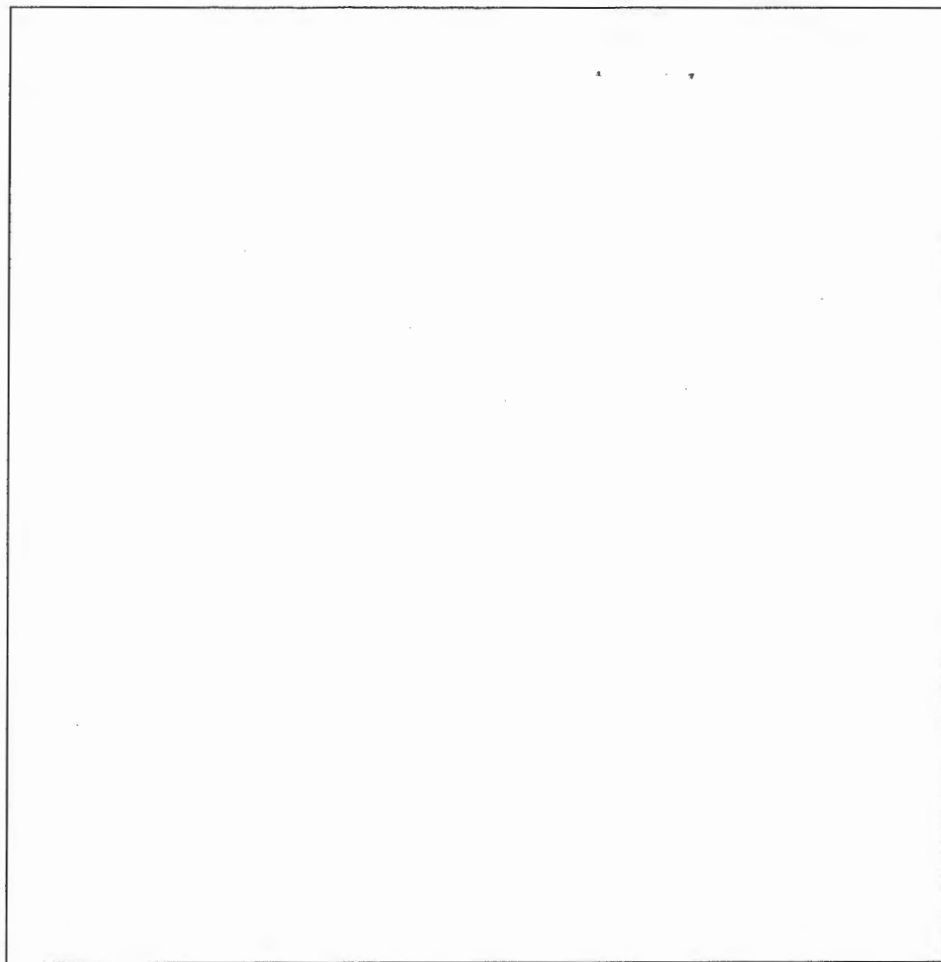
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

Joyce Stohman
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (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 SW _____

AP 528501

[A]

4' brn l
red brn
scl
lfsbk
20% chert

4' brn
v fsl
micaceous
seg ↓
platy
mica
schist
+ Saponite
yellow brn
fsl

10'
13.5'

[B]

.5' brn l
red brn
scl
lfsbk
10% chert

3.8' brn
v fsl
micaceous
fin dep.

9' yellow
brn
fsl
platy
hard mica
schist

12'

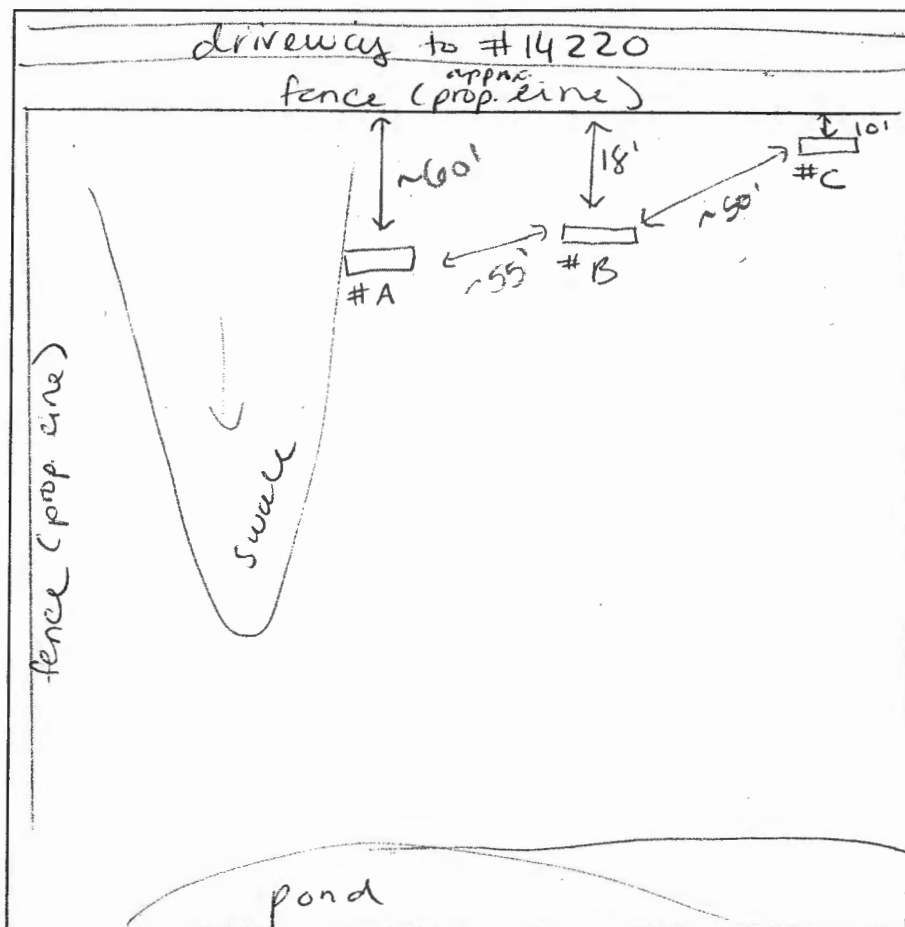
[C]

.7' brn l

3.5' brn
scl
lfsbk
micaceous
↓
hard
mica
schist

9' yellow brn
fsl
Saponite
(similar
to others)

13' 10% stones



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4-15-08	A	5'/13'	8:57	9:00	9:02 ¹⁵	2	P
	B	5'/12'	9:15	9:18	9:23	5	P
	C	13'	visual			OK	P

REMARKS no H₂O observed, holes consistent, hole #A kept out of swale

SANITARIAN HS BACKHOE Hatfields OTHERS homeowners

TEST HOLES USED IN SDA 3 AVG. PERC TIME 3.5 SQ. FT/BR

TRENCH WIDTH 3 INLET DEPTH 3 MAX. BOT DEPTH 7 EFFECTIVE SW 1.5'-2'

3.20 WATERWAY AND 100-YEAR FLOODPLAIN (NONTIDAL WETLANDS AND WATERWAYS PERMIT)

- ❑ *Question: Does your project require work to be performed in a non-tidal wetland, the non-tidal wetland buffer? ... or the 100-year floodplain?*

Why do I need this approval?

Waterway construction regulations assure that activities in a waterway or its floodplain do not create flooding on upstream or downstream property, maintain fish habitat and migration, and protect waterways from erosion. Authorization is required for construction or repair of the following projects in a waterway or a 100-year floodplain:

- Dams and reservoirs
- Bridges and culverts
- Excavation, filling or construction
- Channelization
- Changing the course, current or cross-section of any stream
- Temporary construction (e.g. utility lines)
- Any other similar project.

Ponds and dams require a separate review. See Dam Safety.

What laws or regulations give MDE the legal authority to issue this approval?

STATE: Environment Article Title 5, Subtitle 5-501 through 5-514; COMAR 26.17.04.

What is the process to get this approval?

- 1) Complete a "Joint Federal/State Application for the Alteration of any Floodplain, Waterway, Tidal or Nontidal Wetland in Maryland" application.
- 2) Mail the original plus four copies of the application, plans, vicinity maps and any supporting documentation to:

Regulatory Services Coordination Office (RSC)
MDE, Water Management Administration
1800 Washington Boulevard, Suite 430
Baltimore, Maryland 21230-1708

- 3) The RSC will determine what type of permit is necessary and will forward the application to the appropriate governmental agencies. The RSC receives applications for the Nontidal Wetlands and Waterways (3.18) Tidal Wetlands (3.18) and the Dam Safety (3.25) Divisions of the Maryland Department of the Environment, as well as the U.S. Army Corps of Engineers. The Department conducts the permit application review in cooperation with local, State and federal agencies.

- 4) Depending on the nature of the project, it may be advertised for comment and an opportunity for a public informational hearing. The applicant may be required to notify adjacent property owners.

- 5) The Department may perform a site evaluation.

- 6) At the conclusion of the review process, the Department will make a decision on the application. Upon receipt of final construction plans, a permit or letter of authorization may be issued by the Department. A letter of authorization is not available for highway construction.

WATER QUALITY CERTIFICATION

A State Water Quality Certification (WQC), which insures the protection of waters of the State, is necessary for activities requiring a U.S. Army Corps of Engineers Section 404 permit. When an activity is approved by a nontidal wetlands and waterways authorization (3.19), the WQC is incorporated into that authorization. When an activity is exempt from the requirement to obtain a nontidal wetlands and waterways authorization, an individual WQC is issued by the Department.

Is this approval directly related or contingent on other approvals?

Chesapeake Bay Critical Area Protection Program
Erosion/sediment control and stormwater management plan approvals; and
Local building permits.

Are there any other requirements?

A person is required to obtain a permit from the Department in order to change the course, current, or cross-section of a nontidal stream or body of water, including the 100-year floodplain. Activities are evaluated for impacts on the floodplain, public safety and welfare, and natural resources. An engineering analysis is required for bridges, culverts, filling, and other construction. In addition, environmental impacts associated with the proposed project, including impacts to nontidal wetlands, in-stream fisheries, wildlife, endangered species and their critical habitat, and alternatives to reduce or eliminate adverse impacts are required to be submitted with the application. Site location and design criteria are contained in the regulations.

How long should I expect it to take to get this approval once I submit a complete application?

Type of Project *	Turnaround Time
Minor projects	10 months
Major projects	12 months

* **Minor Projects:** Projects that involve: minor repair or maintenance; temporary construction; clearing and grading activities in the 100-year floodplain that involve less than 100 cubic yards of disturbance; or,

minor changes or modifications to existing permits.
Minor projects are not placed on public notice.

Major Projects: Projects that propose permanent impacts to: construct, reconstruct a reservoir, dam or other waterway obstruction;; construct a waterway; or, dredge, fill, bulkhead or change the shoreline. Major projects are placed on public notice.

Once I get this approval, how long will it last?

Permits may be issued for a maximum of five years and may be extended for an additional five years. Construction must be initiated within two years.

How much will this approval cost?

No fee.

Do I need to know any additional information?

Contact the Department at (410) 537-3768 for technical assistance and guidance on the preparation of a complete application. For permit application status call 1-800-876-0200.


Who do I contact with additional questions?

Amanda Sigillito
Nontidal Wetlands and Waterways Division
asigillito@mde.state.md.us
(410) 537-3766

Related link:

http://www.mde.state.md.us/Programs/WaterPrograms/Wetlands_Waterways/permits_applications/index.asp

3.25 DAM SAFETY PERMIT/ WATERWAY CONSTRUCTION PERMIT

 *Question: Will I be building a dam?*

Why do I need this approval?

The Maryland Dam Safety Division issues waterway construction permits for new dams and ponds, and permits for alterations to existing impoundment structures. The major goal of this permit is to ensure that dams are built and operated properly to protect public safety.

What laws or regulations give MDE the legal authority to issue this approval?

STATE: Environment Article Title 5, Subtitle 05, COMAR 26.17.04.

What is the process to get this approval?

- 1) Complete a "Joint Federal/State Application for the Alteration of any Floodplain, Waterway, Tidal or Nontidal Wetland in Maryland" application.
- 2) Mail the original plus four copies of the application, plans, vicinity maps, and any supporting documentation to: Regulatory Services Coordination Office (RSC)
MDE, Water Management Administration
1800 Washington Boulevard
Baltimore, Maryland 21230
- 3) Upon receipt of the application package, the RSC will determine what type of permit you need and will forward copies of the application to the appropriate permitting groups. The RSC receives applications for the following groups: Nontidal Wetlands and Waterways Division, Tidal Wetlands Division, and Dam Safety Division. The RSC also sends copies of the application to the U.S. Army Corps of Engineers (if applicable), who will process the application jointly with the State.
- 4) The Department reviews the project and responds with comments to be addressed if necessary. Applications for new dams are reviewed to ensure that the project provides for the greatest feasible utilization of waters of the State, and adequately preserves public safety and the general public welfare.
- 5) Upon acceptance of the completed application, a Public Notice is prepared for the project. The notice of opportunity for public hearing is mailed to the interested persons list and is published for one day in a local newspaper by the Department. The applicant is invoiced for the cost of publishing the notice.
- 6) A public informational hearing is scheduled if requested or if deemed appropriate by the Department. Appropriate public comments are considered in the decision on the proposed application.
- 7) The permit is drafted with all appropriate conditions and mailed to the applicant for review and signature accepting the permit conditions. The applicant must submit a completed Memorandum of Land Restrictions for Dam or Reservoir with the recording fee for the Department to record the document in the county land records.
- 8) A permit is issued with appropriate conditions and a copy of the permit is mailed to the applicant. A copy of the basis for the permit decision is mailed to the interested persons list.

Are there any other requirements?

Any person who proposes to construct, reconstruct, repair, or alter a dam, reservoir, or similar waterway obstruction must obtain a permit prior to beginning any work. Certain small ponds are exempted from this permit and are reviewed and approved by the local soil conservation district only. Such ponds must meet the following criteria:

- drainage area to the pond is less than 640 acres
- embankment height is less than 20 feet
- structure classified in "low hazard" category
- the pond is not located in natural trout waters

The applicant is responsible for notifying all contiguous property owners and local authorities of the proposed project. The dam must be designed and inspected during construction by a professional engineer, licensed in Maryland, and experienced in dam design and construction.

Typically, permits are reviewed and issued in two phases, which can be combined at the applicant's request. The phases are as follows:

Phase 1: The feasibility of the project is evaluated in this phase. If the project is acceptable, a Plan Development Permit is issued which authorizes the applicant to proceed with detailed design of the dam. During the review, environmental impacts are evaluated, and the hazard classification, dam height and reservoir size are established. The hazard classification, which defines the potential for downstream damage if the dam were to fail, establishes minimum design criteria that the dam and spillway must safely accommodate.

Phase 2: The Waterway Construction Permit is issued after a very detailed review of the design construction documents and specifications which authorizes construction of the dam. The dam construction must be inspected by a professional engineer, preferably the design engineer.

How long should I expect it to take to get this approval once I submit a complete application?

6 months

Once I get this approval, how long will it last?

Maximum of two years

How much will this approval cost?

No fee.

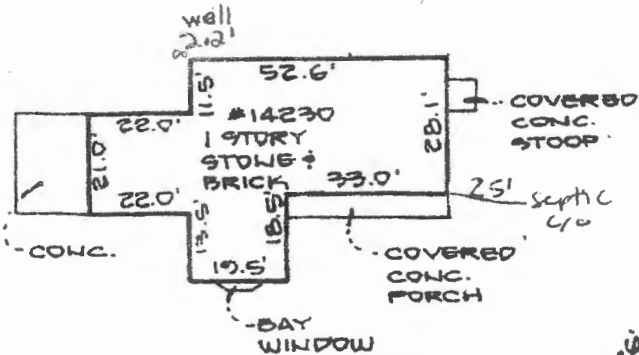
Who do I contact with additional questions?

Cas Taherian
Sediment, Stormwater and Dam Safety Program
ctaherian@mde.state.md.us
(410) 537-3538

Related link:

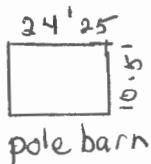
http://www.mde.state.md.us/Permits/WaterManagement/Permits/water_permits/index.asp

CASE NO. 5200

HOUSE LOCATION PLAT
LOT 8T. HARTLEY JOHNSON PROP.
HOWARD COUNTY, MARYLAND

DETAIL

SCALE: 1" = 40'



pole barn

TRIADOLPHIA MILL
(60' R/W)
ROAD

LOT 9

57°24'14"E 378.50'

LOT 8
6.0407 AC.HOUSE
SEE DETAIL

stream

N 42°09'54"W
75.27'

well is 2.2' from
house +
24'60" from addition
corner of house
to pole barn
125'
pole barn
24'25" x 10'5"

back shed
11' x 10'driveway to
stream
89' 17"

CERTIFICATE

I HEREBY CERTIFY THAT THE POSITION OF ALL THE
EXISTING IMPROVEMENTS ON THE ABOVE DESCRIBED
PROPERTY HAS BEEN CAREFULLY ESTABLISHED BY A
TRANSIT - TAPE SURVEY.

DAVID L. HALLER
MARYLAND P.L.S. No. 240

REFERENCES

PLAT BK.
—
PLAT NO.
4658

LIBER

FOLIO

W.K. ALLEN & ASSOCIATES

P.O. BOX 8263
SILVER SPRING, MARYLAND 20908
301-871-2156

DATE OF SURVEYS

WALL CHECK:
HSE. LOC.: 4-27-80
BOUNDARY:

SCALE: 1" = 200' / 1" = 40'

DRAWN BY: M.A.M.

JOB NO.: 801097

NOTE - This location for title purposes only - not to be used for determining property lines. Property corner markers NOT guaranteed by this location.
Property shown hereon is not in a flood plain per existing records unless otherwise indicated.



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

April 18th, 2008

Thomas Brewer & Joyce Stohlman
P.O. Box 65
Dayton, MD 21036

**Re: Percolation Test Results
#A528501
14230 Triadelphia Mill Rd**

Mr. Brewer & Ms. Stohlman,

Wet season percolation testing was conducted at the above referenced property on April 15^h, 2008 in response to a future building permit application for an addition (not consisting of any bedrooms). Results yielded satisfactory soil conditions for onsite wastewater disposal.

Per a site inspection of the property on 4/10/08 restricting factors observed included limited suitable area for percolation testing due to poor topographic conditions, an existing pond and a stream that runs throughout the property in addition to maintaining 100' from the well. The area within the existing septic system could not be tested due to the fact it is within 100' of the pond, stream and existing well. Therefore, testing was conducted along the property line while maintaining 100' from the pond. This purpose of this reserve area is to accommodate 2 future replacement systems and will require a pump system.

During testing no evidence or visibility of groundwater was observed at any of the test locations. Only three test holes could be dug as a result of limited area. The soil materials tested at these locations were all consistent with passing perc rates.

Per our discussion onsite, further review is contingent upon a Percolation Certification Plan to be submitted to our office. Prior to building permit approval this plan must be approved by the Health Officer.

If you have any questions regarding this evaluation please contact me at (410) 313-6287.

Sincerely,

Heidi Scott
Well & Septic Program
Development Coordination Section

Enclosures
Cc: File

SEPTIC SPECIFICATIONS WORKSHEET

addition

Subdivision _____ A _____

Street Name 14320 Triadelphia Mill Lot Number _____

Average Percolation Rate(min./in.) 3.5 min Application Rate (GPD/sq. ft.) 1.2

Number of Bedrooms 3 Design Flow (BRx150) 450

Square Footage (of House) _____ Septic Tank Capacity (gal.) 1,500

Sidewall Credit / % Reduction 2' 102% Total Length of Trench (ft.) 78'

***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 at 2 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 3 feet of stone below the distribution pipe.

PUMP SYSTEM PROPOSED? ☒ YES ☐ NO

Pump system details: 1,000 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: Install new 2 compartment 1,500 gallon tank & 1,000 gallon pump tank. Run force main around existing pond under existing stream. Force main must be sleeved.

ADDITIONAL NOTES: Effluent filter required.

Reviewed by: Heidi Scott

Date: _____

Percolation Certification Plan (A#528501)

14230 Triadelphia Mill Rd.

Tax Map: 27 Grid: 18 Parcel: 129

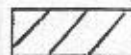
Dayton, MD 21036

Ms. Stohlman & Mr. Brewer 301-596-9734

NOTES

1. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

2. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.



3. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS EASEMENT ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

4. THE TOPOGRAPHY OF THIS PLAT IS FROM HOWARD COUNTY DATA AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE ELEVATION CHANGES ON THE SUBJECT PROPERTY

5. ALL WELLS WITHIN 100' OF THE PROPERTY'S BOUNDARIES HAVE BEEN SHOWN

6. SOIL BOUNDARY LINES TAKEN FROM HOWARD COUNTY DATA BASED ON THE 2003 HOWARD COUNTY SOIL SURVEY WITHIN THE PROPERTY INCLUDE: GNB, GMB & MAD

7. THIS PLAN IS IN SUPPORT OF A BUILDING PERMIT FOR AN ADDITION OF AN OFFICE AND A MUDROOM AND RECONFIGURATION OF EXISTING BEDROOMS.

	passed perc hole
	stream

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

Deanna Stohlman

4/30/08

(SIGNATURE)

(DATE)

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

Bryan for Peter Brilensen 5/15/2008

(SIGNATURE)

HS

(DATE)

790

ADDRESS: 14230 Triadelphia Mill Road
LOT AREA: 263,132.89 SF ± (6.0407 AC ±)
HOUSE TYPE: 1-Story Framed W/
In-Ground Basement

BRL - Bldg. Restriction Line

ZONED: RR-DEO

ELECTION DIST.: 5th (HOWARD COUNTY)

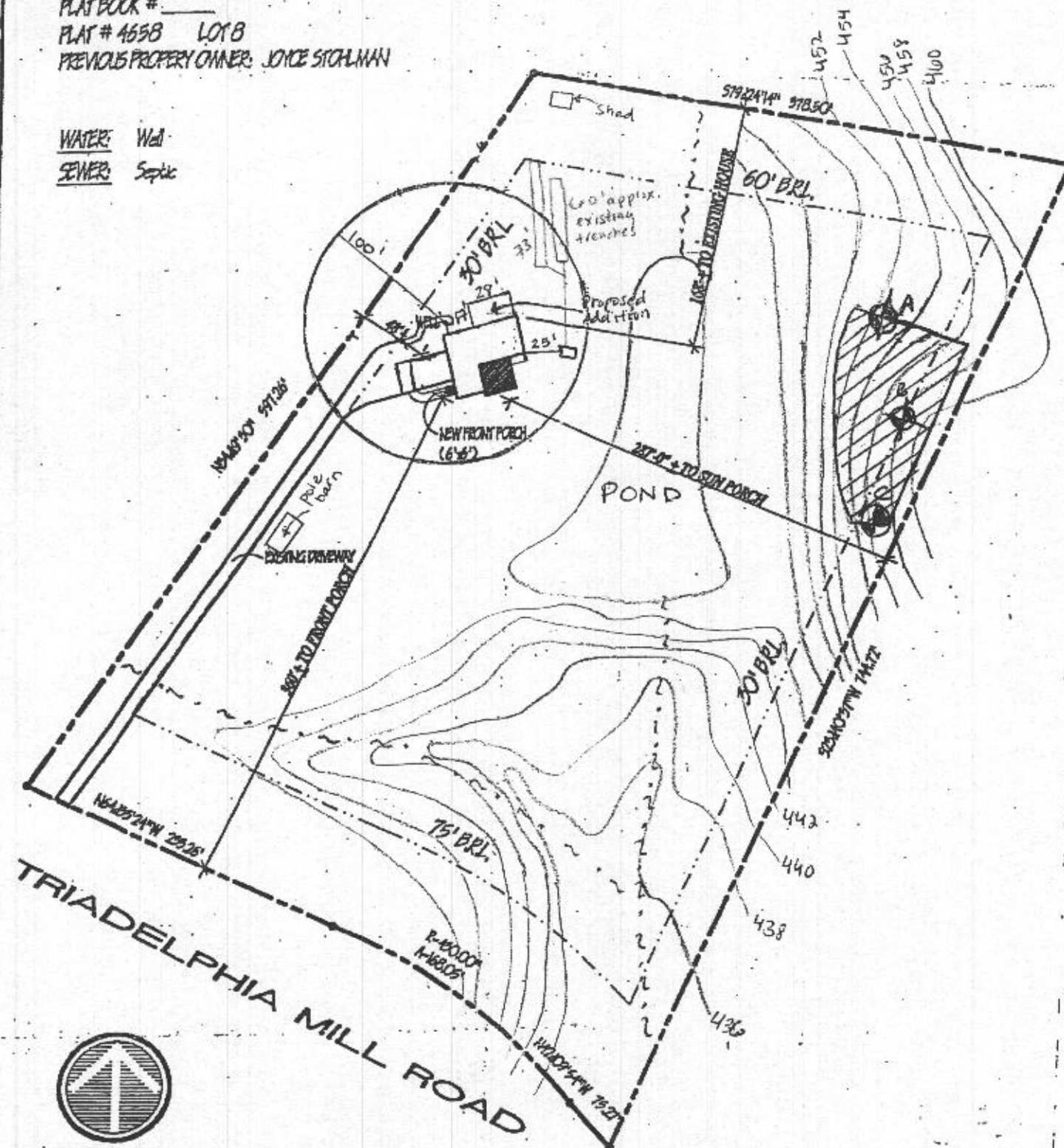
PLAT BOOK #:

PLAT # 4658 LOT B

PREVIOUS PROPERTY OWNER: JOYCE STOHLMAN

WATER: Well

SEWER: Septic



NORTH

SCMP

THE BREWER/STOHLMAN RESIDENCE - SITE PLAN 1" = 100'

JOB # - 187171