



Harford County Health Department

Main Office: 120 S. Hays Street • P.O. Box 797 • Bel Air, Maryland 21014 • 410-838-1500

Public Health
Prevent. Promote. Protect.

**Harford County
Health Department**

Russell W. Moy, MD, MPH • Health Officer
Marcy Austin • Deputy Health Officer



Larry Outten: 410-877-2319

Keith Dolan: 410-877-2320

Soil Testing Results/REPAIR

Site Location/Address 4148 U Way			Tax ID# 02-070987		Map 44	Grid 1B	Parcel 671
Subdivision Webster Village			Lot 22	Acres 12,285sqft	Soils BeC		
Applicant Steven Norris		Address Same as Site Location/Address		Phone: 443-876-5861			
				Email: s.norris24@yahoo.com			
Owner Steven Norris		Address Same as Site Location/Address		Phone: 443-876-5861			
				Email: s.norris24@yahoo.com			
Hole	Depth	Soil Description	Start		End	Drop	Time
19-1	OH	0-0.5' Black topsoil 0.5-2' Orange moist crumbly clay loam, water seeping at 2' 2-6.5' Orange-tan platy dry clay, mottling , roots through mottles	-	-	-	-	No Test
19-2	1.5'	0-0.5' Black topsoil 0.5-2.5' Tan moist sandy clay loam, gravelly 2.5-5' Orange-tan clay loam, mottling, 4' water	11:28	-	12:04	1/4"	Fail , 32 minutes

Remarks

Percolation test results are **unsatisfactory** for perc hole(s) 19-1 and 19-2. Given the above results, holding tanks are recommended for 4148 U Way dwelling. However, at the homeowner's own expense a certified consultant may be contacted to evaluate the property for an alternative or innovative system. Additional percolation tests may be required at the discretion of this office.

Additional Requirements: Remain 15ft from the property line, 30ft from dwelling, and 100ft from any neighboring wells. If these requirements cannot be met, you may apply for a variance. Please note that submission does not mean approval and all variances must be approved before any permits can be issued.

Test Location See GIS	ESAA N/A	Trench Depth N/A	Well Location See GIS
Backhoe Operator Yogi & Danny		Persons Present Sherry Bowman	
Environmental Health Specialist Larry Outten, Keith Dolan		Time 10:00AM	Date 2-28-19

BEL AIR OFFICE
1 N. Main Street
Bel Air, MD 21014
410-638-3060

EDGEWOOD OFFICE
1321 Woodbridge Station Way
Edgewood, MD 21040
410-612-1779

EDGEWOOD OFFICE
2204 Hanson Road
Edgewood, MD 21040
443-922-7670

HAVRE DE GRACE OFFICE
2027 Pulaski Highway
Havre de Grace, MD 21078
410-939-6680

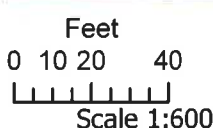
HAVRE DE GRACE OFFICE
2015 Pulaski Highway
Havre de Grace, MD 21078
410-942-7999

4148 U Way

Keith Dolan
3/1/2019 4:46 PM



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Beijing), Swisstopo, © OpenStreetMap contributors, and the GIS User Community, MIDEMAP, DDT



- Well Layer**
- water_well
 - proposed_well
 - monitoring_well

- Septic Layer**
- Sewage_Lagoon
 - septic_tank
 - Sand_Mound
 - nimm tank

- Pretreatment_Unit**
- perc_test
 - Observation_Port
 - holding_tanks
 - Drivewell

- d_box**
- BAT
 - Sewer_Line
 - Drainfield

- On/Off**
- public_sewer_properties
 - public_water_properties
 - Environmental_Concerns4
 - Point ne





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Cari Biscoe: 410-877-2323
Larry Outten: 410-877-2319
Ashley McMahon: 410-877-2315
Keith Dolan: 410-877-2320
March 12, 2019

Steven Norris and Shannon Gentry
4148 U Way
Havre de Grace, MD 21078

**Re: 4148 U Way
Map 44, Parcel 671
Webster Village Lot 22
Tax ID # 02-070987**

Dear Mr. Norris and Mrs. Gentry:

After reviewing the results of the site visit conducted on **February 28, 2019**, the Harford County Environmental Health Section has concluded that the above-referenced property is unsuitable for the installation of an On-Site Sewage Disposal System (OSDS). Therefore, this office recommends the installation of holding tanks as a repair to the failing septic system. You may check to see if public sewer is available for your property before deciding on holding tanks.

Please be advised of the following requirements for holding tanks:

1. A Holding Tank Agreement must be signed by the owner(s) and the signature(s) notarized prior to issuance of an On-Site Sewage Disposal System Permit. The Agreement must be recorded in the land records of Harford County, Maryland. A copy of the Agreement is enclosed.
2. A pumping contract acceptable to the Health Department must be secured with a licensed septic waste hauler (scavenger). This contract will require a regular pumping schedule to prevent the discharge of effluent to the ground surface. A copy of this contract must be submitted to the Health Department prior to the issuance of the permit to construct.
3. The holding tank system must have a minimum of seven (7) days of holding capacity. Based on a maximum projected waste water flow for a 3 bedroom house of 450 gallons per day (gpd), the holding tank(s) must have a minimum capacity of 3,000 gallons.
4. The tank(s) must be anchored or installed to prevent floatation.
5. The tank(s) must be of top seam construction, and when set on-site, the seams must sit above the groundwater level. The tank(s) must be water-tight, and a 24-hour leak test may be required by the Health Department
6. The tank(s) must be equipped with a high water alarm. If using tanks in series, the alarm is to be installed in the last tank. The alarm box must be mounted inside the house.

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7. Upon cancellation of the contract, the hauler and the property owner are jointly responsible for notifying the Health Department.
8. It is the owner's and hauler's responsibility to keep pumping receipts. These records must be made available to the Health Department upon request.
9. A Sanitary Construction Permit must be obtained by the installer of the system; the Health Department will issue the permit and inspect the installation.

The property owner should be aware to reduce water consumption. This can be accomplished by installing low-flow, water-saving devices, practicing water conservation, and using off-site laundry facilities. Holding tanks on this property may be eligible for a reduced rate for "pump-out" at Sod Run Wastewater Treatment Plant. Discuss this with your contracted septic waste hauler.

HCHD will also consider an Innovative or Alternative OSDS design proposal for a repair system. If you elect to explore this option for your repair, you will need to retain the services of a professional engineer, a Licensed Environmental Health Specialist, or other qualified consultant as determined by the Health Department to evaluate site conditions and propose an Innovative or Alternative design. The design must be submitted to this office for review.

If approved, you will need to contract with a licensed plumber or licensed installer to apply for a sanitary construction permit and install the system per the approved plans. The Health Department will inspect the system for compliance with the approved plan. Enclosed for your convenience is a list of Innovative and Alternative (I&A) consultants that work in Harford County.

At such time as Innovative or Alternative plans are approved, and prior to the issuance of the Sanitary Construction Permit and subsequent installation of the system, you will be required to sign an Innovative or Alternative Agreement which must be recorded in the land records Harford County.

If you have any questions, or if I can be of any assistance, I can be reached at the above-listed number.

Sincerely,



Keith Dolan, E.H.S.
Soil Percolation Testing
Bureau of Environmental Health

Enclosure: Percolation Test Results
I&A Consultant List

**INNOVATIVE AND ALTERNATIVE
ON-SITE SEWAGE DISPOSAL SYSTEM
CONSULTANTS**

Advance Systems
37 York Street
Taneytown, MD 21787
dureedt@gmail.com
443-398-6185

Bayland Consultants & Designers
1321 Mercedes Dr., Suite C
Hanover, MD 21076
bayland@baylandinc.com
410-694-9401; FAX 410-694-9405

Mike Sample
11525 Hannibal Rd
Glen Arm, MD 21057
443-807-8639
sampleexcavating@aol.com

Advanced Land & Water, Inc.
1912 Liberty Road, Suite 26
Eldersburg, MD 21784
www.alwi.com
amparrish@alwi.com
410-795-4626; FAX 410-795-4611

Ernst Environmental Services, Inc.
Thomas H. Ernst, R.S.
1907 Midland Rd.
Baltimore, MD 21222-4643
410-288-5081 (Office & FAX)

Site Resources, Inc.
14307 Jarrettsville Pike
Phoenix, MD 21131
410-683-3388; FAX 410-683-3389

Tom Ashton
P.O. Box 220
Bluemont, VA 21035
540-454-4672
tw220@aol.com

Hydro-Terra Group
Mark Mazzochette, MS, EIT
Project Engineer
1106 Business Parkway South
Suite E
Westminster, MD 21157
410-861-5376 (office)
443-340-2143 (cell)
410-861-5467 (FAX)
mmazzochette@hydro-terra.com

Welsh Engineering
2 Paradise Dr.
Havre de Grace, MD 21078
410-939-1304

Bay Area Environmental
Dwayne C. Jones
4213 Madonna Road
Jarrettsville, MD 21084
410-692-6900
manager@jonespumpservice.com

McKeon Assoc., Inc.
Steven McKeon
3583 Mill Green Road
Street, MD 21154
410-452-8924

Wilson Deegan & Assoc., Inc.
1219 Baldwin Mill Rd
Jarrettsville, MD 21084
410-893-3700; FAX 410-836-5375

Bay State Land Services
P.O. Box 853
Bel Air, MD 21014
410-879-4747

L.G. Wolff Associates
Gerry Wolf
4502 Wilkinson Rd
Havre de Grace, MD 21078
410-836-2222
glogwolff7@comcast.net

Cliff Stein
Earth Data Inc.
131 Comet Dr
Centreville, MD 21617
410-758-8160
cstein@earthdatainc.com

Near Shore Engineering & Permits
117 Keither Drive
Annapolis, MD 21403
410-585-7560

Penn's Trail Environmental
Adam Browning
21 E Lincoln Avenue
Suite 160
Hatfield, PA 19440
215-362-4610 X 112

Rob Powell
421 Rockaway Rd
Catonsville, MD 21228
robpowell781@verizon.net
443-900-3169

Rev. 12/18



AGREEMENT AND EASEMENT FOR INSTALLATION OF A SEWAGE HOLDING TANK SYSTEM

THIS AGREEMENT is made this _____ day of _____, 2019, between and among the Maryland Department of the Environment, the Harford County Health Department, Environmental Health Division (hereinafter referred to collectively as the “Department”) and Steven Norris & Shannon Gentry (hereinafter referred to as the “Owner”).

WHEREAS, the Owner is seized and possessed of a tract of land located in the 02 Election District of Harford County, Maryland, the deed to same being recorded among the Land Records of Harford County, Maryland, in Liber 04, Folio 39, (Tax Map 44, Parcel 671, Tax ID 02-070987, Subdivision: Webster Village, Lot 22 located at the physical address of 4148 U Way, Havre de Grace, MD 21078).

WHEREAS, the Owner’s land is unsuitable for the installation of a conventional on-site sewage disposal system and the Owner desires the Department's approval to install a holding tank system of sewage disposal.

WHEREAS, this land qualifies as a site for a sewage holding tank under the provisions of the Code of Maryland Regulations, Title 26, Subtitle 04, Chapter 02.

NOW, THEREFORE, the parties hereto agree as follows:

A. The Owner hereby grants the right to the Department to enter upon the property at any reasonable time for access to the system to make periodic inspections, as well as to provide any information and data requested and needed by the Department to develop accurate and thorough records.

B. The Owner agrees that there shall be no liability on the part of the Department if this holding tank system malfunctions and that the Department does not warrant or guarantee that the system will adequately or properly function.

C. The Owner acknowledges and agrees that neither the Department nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.

D. The Owner will devote such care and effort to the maintenance of the system so that a system malfunction does not occur.

E. The Owner agrees that, should the system be determined by the Department to pose a threat to the public health, safety or comfort, and should the Department therefore, order any necessary changes or corrections, the Owner agrees to pay for all such changes or corrections. System modifications may include requirements for additional tanks and/or more frequent pumping of the holding tank(s).

F. The Owner shall contact the Harford County Health Department at least 24 hours prior to system completion so that the Department may inspect the system in the field with the installer. The Owner further agrees that this system will be installed according to plans and specifications approved by the Department and any changes determined to be necessary by the Department as a result of reviewing the field conditions.

G. This Agreement shall run with the land and binds the Owner, their heirs, successors or assigns. The Owner further agrees that they shall inform any purchaser or lessee of the property that the system will require regular maintenance or other attention. The Owner agrees to record this Agreement in the land records of Harford County and will forward a copy of the recorded Agreement to the Department prior to the issuance of the permit for the holding tank installation.

H. This Agreement shall not be construed to limit any authority of the Department to protect the public health, safety or comfort or to issue any other orders or take any other action, which is now or may hereafter be within its authority.

I. Owner certifies that they have obtained a cost estimate and are financially capable of having the sewage removed from the holding tank by a permitted sewage waste hauler on a regular basis so that the holding tank never overflows. The Owner further agrees to enter into and maintain a written service contract which will be renewed annually with any permitted sewage hauler and will forward a copy to the Department prior to the approval of the permit for the holding tank installation and annually thereafter.

J. If the Owner installs any plumbing, they shall install only water conserving fixtures (e.g., toilets installed will use no more than 1-1/2 gallons of water per flush).

K. The Owner agrees the square footage of the dwelling is 1,268 square feet and shall not perform any renovations or remodeling which enlarges the original square footage of the residence. The Owner further agrees not to increase the estimated daily sewage flow.

L. The approval of a holding tank system provided for in this Agreement is only for an interim period until public sewerage facilities become available, at which time the Owner shall connect the structure to the public facilities and shall properly abandon and backfill the holding tank.

WITNESS, the hand and seal of the parties hereto:

DATE: _____
Owner

DATE: _____
Owner

NOTE: Any signatures not made in the presence of a Health Department representative must be notarized.

DATE: _____
Notary for Owner(s)

DATE: _____
Julie Mackert, LEHS, Director
Bureau of Environmental Health
Harford County Health Department

DATE: _____
Craig Williams, Regional Consultant
On-Site Systems Division
Maryland Department of the Environment

2/28/19 10am
BeB_o DeC
wet BRF to Perc
AP



Public Health
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Harford County
Health Department

HARFORD COUNTY HEALTH DEPARTMENT
Environmental Health
120 South Hays Street, Suite 200
P.O. Box 797, Bel Air, Maryland 21014-0797
410-877-2300 • FAX 443-643-0334

RECEIVED
OFFICE
JAN 25 2019
HARFORD COUNTY HEALTH DEPT.
ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL PERCOLATION TEST

CHECK ALL AREAS THAT APPLY:

- Non-conventional test/single ring (\$200.00 per lot area)
- Conventional test (\$150.00 per lot area)
- Repair (no fee)

RESIDENTIAL

- New subdivision
- Existing subdivision
- Name: _____
- Number of new lots: _____
- Year created/recorded: _____

NON-RESIDENTIAL†

- New Existing
- Project name: _____
- Use: Commercial Institutional
- Industrial Other

IMPROVED LOT

- Failing OSDS
- Nature of problem: Drain fields failing
- Active building permit (# _____)
- Future building plans
- Septic reserve area revision/reduction or OSDS relocation

UNIMPROVED LOT

- Re-test (past failed test)
- Never tested
- Septic reserve area revision/reduction
- Active building permit (# _____)

† Please attach a brief description of project so wastewater flow can be projected. Note: Flows from 2,500-4,999 gallons/day may require a joint review with the Maryland Department of the Environment (MDE). Flows of 5,000 gallons/day or greater will require a joint review.

PROPERTY INFORMATION:

Property location/address: 4148 J Way

Subdivision (if applicable): Webster Village Lot #: 22

Tax Map #: 44 Parcel #: 0671 Tax ID #: _____ preferred contact

OWNER'S NAME: Steven Norris Phone: 443 876 5861

Address: 4148 J Way Email: s.norris24@yahoo.com

APPLICANT/AGENT NAME: Steven Norris Phone: 443 876 5861

Address: 4148 J Way Email: S. Norris 24@yahoo.com

Signature: [Signature] Date: 2019 01 24

Name of contact person (if other than applicant): _____ Phone _____

The owner/applicant is solely responsible for contacting **MISS UTILITY** prior to digging.

Note for non-repair percs:

1. A site plan of the property must be submitted with this application. It must be drawn to scale (1"=30', 1"=50', or 1"=100') and indicate property lines, house location, well site, driveway, septic area, and any wells, septic systems, and/or SRAs located within 200' of the property line.
2. Corners of proposed septic reserve areas must be staked prior to testing.
3. The appropriate fee (cash or check) must be submitted with the application. **MAKE CHECKS PAYABLE TO HARFORD COUNTY, MARYLAND.**

Health Department staff will contact the applicant/agent to schedule the test unless another person is specified. Please refer to the Percolation Test Application Procedures for general requirements. By signing this application, the applicant agrees to allow representatives from the Harford County Health Department on the property at reasonable times to perform testing and site analysis.

Sand Mound Tests

AP