

Bath County Health Department
PO Box 120
Warm Springs, Virginia 24484
(540) 839-7246 - Voice
(540) 839-2964 - Fax

Highland County Health Department
PO Box 558
Monterey, Virginia 24465
(540) 468-2270 - Voice
(540) 468-2502

Sewage Disposal System Construction Permit

Gary L. Crigler

September 17, 2020

P.O. Box 455 Monterey, VA 24465

Subject: Health Department ID Number: 145-20-0029
Tax Map Number/GPIN: 31-A1-A1
Directions: North side of Academy Hill Rd. facing cemetery (end of state maintenance).

Dear Gary Crigler,

The attached drawings, specifications, and calculations constitute your permit to install a sewage disposal system and well (if applicable) on the property referenced above. The attached schematic shows the approved area for the sewage disposal system. If modifications or revisions are necessary between now and when you construct your dwelling, please contact the Highland County Health Department at (540) 468-2270. No part of any installation shall be covered or used until inspected, and the sewage system may not be placed into operation until you have obtained an Operation Permit from the Highland County Health Department.

The following documents will be required to obtain the Operation Permit:
System Inspection by the local Health Department
Satisfactory Contractor's Completion Statement
A Well Completion Statement/GW-2 from your well driller
A satisfactory bacteriological sample result

This Construction Permit is null and void if conditions are changed from those shown on your application or if conditions are changed from those shown on the Site and Soil Evaluation Report and the attached construction drawings, specifications, and calculations. VDH may revoke or modify any permit if, at a later date, it finds that the site and soil conditions and/or design do not substantially comply with the Sewage Handling and Disposal Regulations, 12 VAC 5-610-20 et seq., or if the system would threaten public health or the environment. This permit approval has been issued in accordance with applicable regulations based on the information and materials provided at the time of application. There may be other local, state, or federal laws or regulations that apply to the proposed construction of this onsite sewage system or well (if applicable). The owner is responsible at all times for complying with all applicable local, state, and federal laws and regulations.

This construction permit is transferable until expired or deemed null and void. A permit transfer form may be found on the VDH website at <http://www.vdh.virginia.gov/environmental-health/gmp-2015-01-forms/>.

If you have any questions, please contact me. This authorization to construct a sewage disposal system and well (if applicable) **expires: March 17, 2022.**

Tim Abbott, Environmental Health Specialist, Sr.

System Specifications

145-20-0029

Applicant Information	
Name: Gary L. Crigler	Phone: 540-468-2543
Address: P.O. Box 455 Monterey, VA	
Location Information	
Tax Map/ GPIN #: 31-A1-A1 Property Address: North side of Academy Hill Rd. facing cemetery (end of state maintenance). Subdivision: Section: Block: Lot: Directions:	
General Information	
Property Type: Residential	Daily Flow: 600 GPD Number of Bedrooms: 4
Sewer Line and Septic Tank	
Sewer Line: 3" or 4" schedule 40 PVC or equivalent, cleanouts required at 50' -60' intervals Septic Tank Capacity: 1200 gallons The inlet structure shall be 1-2 inches higher than the outlet structure and shall extend 6-8 inches below and 8-10 inches above the liquid level. The outlet structure shall extend 35-40% below and 8-10 inches above the liquid level. The septic tank shall either have an inspection port or an effluent filter, or be a reduced maintenance tank.	
Conveyance Line: Diameter: 4" Material: SCH 40 plastic Grade: 6" per 100' min.	Distribution Box and Header Lines: Method: Gravity Distribution Box Material: Concrete/Plastic Box; #of ports: 16 min.
Percolation Lines/ Absorption Area	
Install min 2040 sq. ft. when using gravel aggregate Install: 2040 sqft total total Size of Aggregate: 0.5-1.5" , Depth of Aggregate in Trench: 13"	
Method: gravity Material: 1500# for non-pump/ SCH 40 for pump Pipe Diameter: 4" Minimum Slope: 6" per 100' for non-pump	No. of Boxes: 31 No. of Outlets: min. of 16 Header Line Material: 1500 # crush or equivalent Header Line Minimum Slope: 2" per 100'
Installation depth: 18" to 20 " Percolation pipe to be 4" diameter, trench slope to be between 2-4" per 100' Trench slope to be between 2-4" per 100' Install 8 Laterals, 85' long, and 3' wide, with 9' center to center spacing.	
Gravel-less material may be used, in lieu of gravel and pipe, within the approved absorption area in accordance with Table 1 of GMP 2016-01. If gravel-less material is used, the distribution box location remains the same. Install the amount shown, or 6 trenches 85 feet long, 3' wide, 9 feet on center.	
PLEASE NOTE: Maintain 50' minimum from septic tank to all wells. Maintain 100' minimum from subsurface sewage disposal system to all wells. Drainfield shall be 5' minimum from property boundaries, 10' minimum from building foundations, and 20' minimum from below grade basements. Divert roof drains and surface water from drainfield area. Re-define drainway on final grade to better control surface water off old road bed. Remove all maple trees and other hydrophilic (water loving) plants from within 10' of drainfield area. All excavations must comply with OSHA safety regulations. LGMI required to be installed @ 42" This permit is null and void if the house location is changed and interferes with the approved sewage disposal system area. This permit expires: March 17, 2022.	

VDH OSE Construction Permit Report

Property Location:

911 Address: City Academy Hill , Monterey, VA 24465

Section: Block: Lot:

Subdivision:

GPIN and/or Tax Map #: 31-A1-A1

Applicant Mailing Address:

Name: Gary L. Crigler

Street: P.O. Box 455

City: Monterey State: VA Zip Code: 24465

Designed by:

VDH OSE(s): Tim Abbott

License #(s): 1940001455

Health Department: Highland County Health Department

Health Department Address: PO BOX 558

City: Monterey State: VA Zip Code: 24465

Date of Report: 9/17/20

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Certification Statement

I hereby certify that the evaluations and/or designs contained herein were conducted in accordance with the applicable provisions of the *Sewage Handling and Disposal Regulations* (12VAC5-610), the *Private Well Regulations* (12VAC5-630), the *Regulations for Alternative Onsite Sewage Systems* (12VAC5-613), and all other applicable laws, regulations, and policies implemented by the Virginia Department of health. I further certify that I currently possess any professional license required by the laws and regulations of the Commonwealth that have been duly issued by the applicable agency charged with licensure to perform the work contained herein.

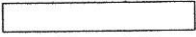
The work attached to this cover page has been conducted under an exemption to the practice of engineering, specifically the exemption in Code of Virginia Section 54.1-402.A.11.

Master OSE Signature:  Date: 9/17/20

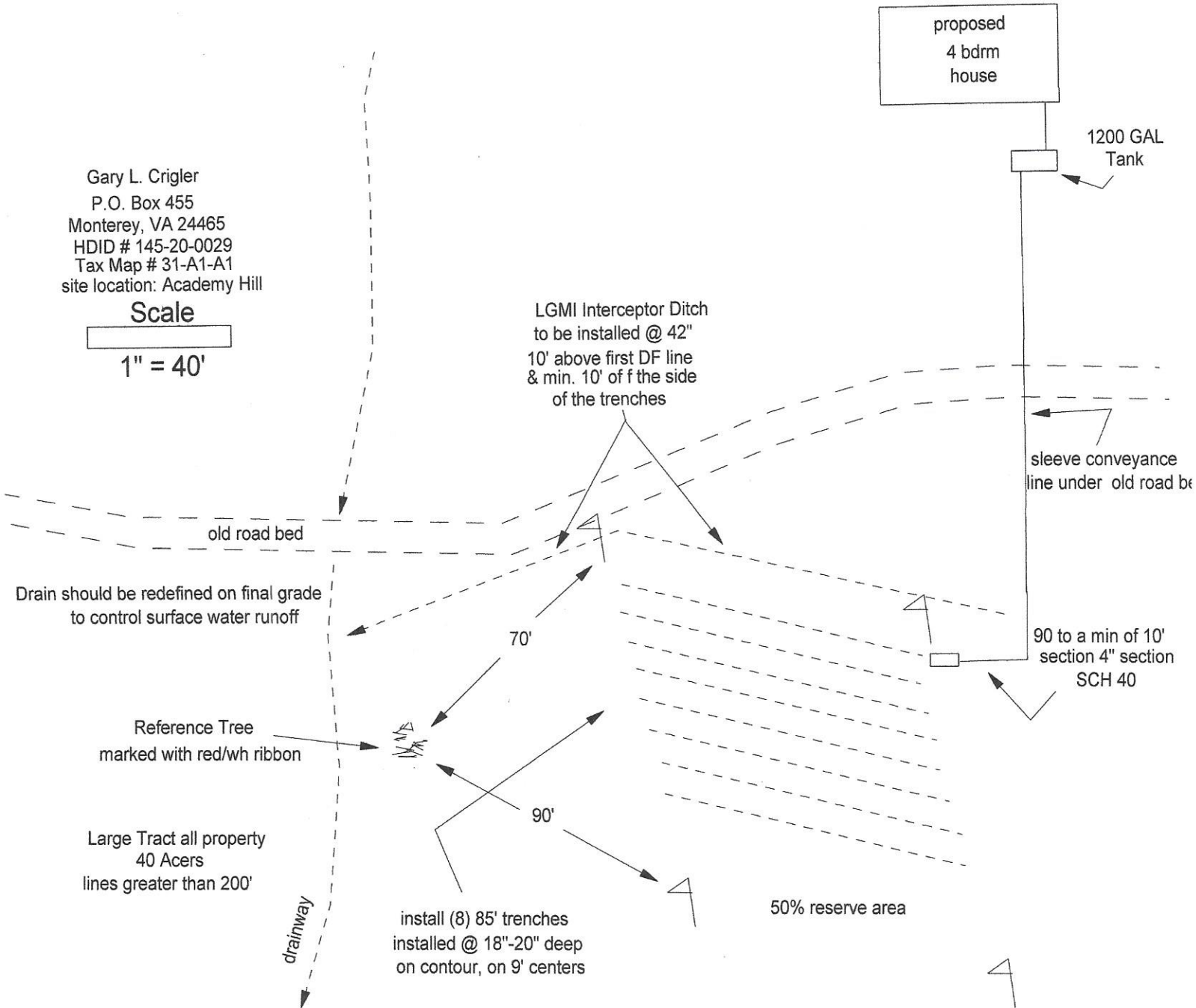
Journeyman OSE Signature: _____ Date: _____

Gary L. Crigler
P.O. Box 455
Monterey, VA 24465
HDID # 145-20-0029
Tax Map # 31-A1-A1
site location: Academy Hill

Scale



1" = 40'



Contact the Highland Co. HD (540)468-2270 prior to construction with any questions on installation

LGMI-FRENCH DRAIN SPECIFICATIONS

REQUIREMENTS:

A TIGHT DRAIN FROM THE FRENCH DRAIN SHALL BE CONSTRUCTED TO DISCHARGE BY GRAVITY INTO A NATURAL OR MANMADE DRAINWAY.

USE 1/2" TO 1 1/2" DRAINFIELD AGGREGATE/GRAVEL.

INSTALL .4 ML PLASTIC SHEETING ON BOTTOM AND DOWNHILL WALLS OF LATERAL GROUNDWATER MOVEMENT INTERCEPTOR (FRENCH DRAIN) TRENCH. IF A RESTRICTIVE LAYER IS ENCOUNTERED BED FRENCH DRAIN INTO RESTRICTION.

MINIMUM FALL ON THE FRENCH DRAIN PIPE IS 6" PER 100'

