

Commonwealth of Virginia

Application for: Sewage System Water Supply

VDH Use only	
Health Department ID#	_____
Due Date	_____

Owner Hayden W. Newell III
Mailing Address 8793 Wild Turkey Road
Boones Mill, VA. 24065
Agent Christopher S. Frith
Mailing Address 2767 Wagon Trail Road
Ridgeway, VA. 24148
Site Address Guthrie Road
Boones Mill, VA. 24065

Phone (540) 353-8300
Phone _____
Fax _____
Phone (540) 597-0330
Phone _____
Fax _____
Email hwtrky@gmail.com

Directions to Property: 220 North, L-Naff Road, R-Guthrie Road, to lot on the right
Subdivision N/A Section N/A Block N/A Lot N/A
Tax Map 0200003202 Other Property Identification _____ Dimension/Acreage of Property 43.18

Sewage System

Type of Approval: Applicants for new construction are advised to apply for a certification letter to determine if land is suitable for a sewage system and to apply for a construction permit (valid for 18 months) **only when ready to build.**

Certification Letter Construction Permit Voluntary Upgrade Repair Permit Minor Modification

Proposed Use:

Single Family Home (Number of Bedrooms 2) Multi-Family Dwelling (Total Number of Bedrooms _____)
Other (describe) _____

Basement? Yes No Walk-out Basement? Yes No Fixtures in Basement? Yes No

Conditional permit desired? Yes No If yes, which conditions do you want?

Reduced water flow Limited Occupancy Intermittent or seasonal use Temporary use not to exceed 1 year

Do you wish to apply for a betterment loan eligibility letter? Yes No *There is a \$50 fee for determination of eligibility.

Water Supply

Will the water supply be Public or Private? Is the water supply Existing or Proposed?

If proposed, is this a replacement well? Yes No If yes, will the old well be abandoned? Yes No

Will any buildings within 50' of the proposed well be termite treated? Yes No

Well Type (e.g. domestic use, agricultural, irrigation, etc.) Domestic Use

All Applicants

Is this property intended to serve as your (owners) principal place of residence? Yes No
All applications must be accompanied by private sector evaluations and designs, unless a petition for VDH services is approved. Is a Petition for Service form attached? Yes No

In order for VDH to process your application for a sewage system you must attached a plat of the property and a site sketch. For water supplies, a plat of the property is recommended and a site sketch is required. The site sketch should show your property lines, actual and/or proposed buildings and the desired location of your well and/or sewage system. When the site evaluation is conducted the property lines, building location and the proposed well and sewage sites must be clearly marked and the property sufficiently visible to see the topography. I give permission to the Virginia Department of Health to enter onto the property described during normal business hours for the purpose of processing this application and to perform quality assurance checks of evaluations and designs certified by a private sector Onsite Soil Evaluator or Professional Engineer as necessary until the sewage disposal system and/or private water supply has been constructed and approved.



Signature of Owner/ Agent

8-31-2022

Date

OSE/PE Report For:

- Construction Permit
- Repair Permit
- Voluntary Upgrade Permit
- Certification Letter
- Subdivision Approval

Property Location:
 911 Address: Guthrie Road City: Boones Mill
 Lot N/A Section N/A Subdivision N/A
 GPIN or Tax Map # 0200003202 Health Dept ID # _____
 Latitude _____ Longitude _____

Applicant or Client Mailing Address:
 Name: Hayden W. Newell III
 Street: 8793 Wild Turkey Road
 City: Boones Mill State VA. Zip Code 24065

Prepared by:
 OSE Name Christopher S. Frith License # 1940001328
 Address 2767 Wagon Trail Road
 City Ridgeway State VA. Zip Code 24148
 PE Name _____ License # _____
 Address _____
 City _____ State _____ Zip Code _____

Date of Report 8-31-2022 Date of Revision #1 _____
 OSE/PE Job # _____ Date of Revision #2 _____

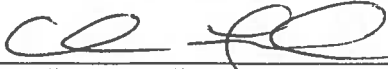
Contents/Index of this report (e.g., Site Evaluation Summary, Soil Profile Descriptions, Site Sketch, Abbreviated Design, etc.)

(1) AOSE/PE Report _____ (2) Site & Soil Summary _____ (3) Profile Descriptions _____ (4) Construction Drawing _____	(5) Private Well Specifications _____ (6) System Specifications _____ (7) Abbreviated Design _____ (8) Owner/Contractor Specifications _____
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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 (12 VAC5-610), the Private Well Regulations (12 VAC5-630), 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 potential for both conventional and alternative onsite sewage systems has been discussed with the owner/applicant.

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

I recommend that a (select one): construction permit certification letter subdivision approval be (select one) Issued
 repair permit voluntary upgrade Denied

OSE/PE Signature  Date 8-31-2022

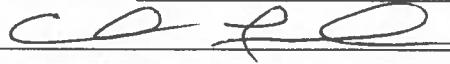
Site and Soil Evaluation Report

VDH Use Only
 HDIN: _____

General Information

Date: 8-31-2022 Franklin County Health Department
 Owner: Hayden W. Newell III Phone: (540) 353-8300
 Owner Address: 8793 Wild Turkey Road Boones Mill, VA. 24065
 Property Address: Guthrie Road Boones Mill, VA. 24065
 Tax Map/GPIN #: 0200003202
 Subdivision: N/A Section: N/A Block: N/A Lot: N/A

Soil Information Summary

1. Position in landscape satisfactory: Yes No Describe landscape position: Ridgetop
 2. Slope: 3 %
 3. Depth to rock/impervious strata: Max. _____ in. Min. _____ in. Not observed
 4. Free Water Present: Yes No Range in inches: _____
 5. Depth to seasonal water table (gray mottling or gray color): _____ inches Not observed
 6. Soil percolation rate estimated: Yes No Estimated rate: 35 min/in at 48 inches depth
 Texture Group: I II III IV
 7. Percolation test performed: Yes No If yes, provide additional data on percolation test results.
 Name and title of evaluator: Christopher S. Frith, AOSE #1940001328
 Signature: 

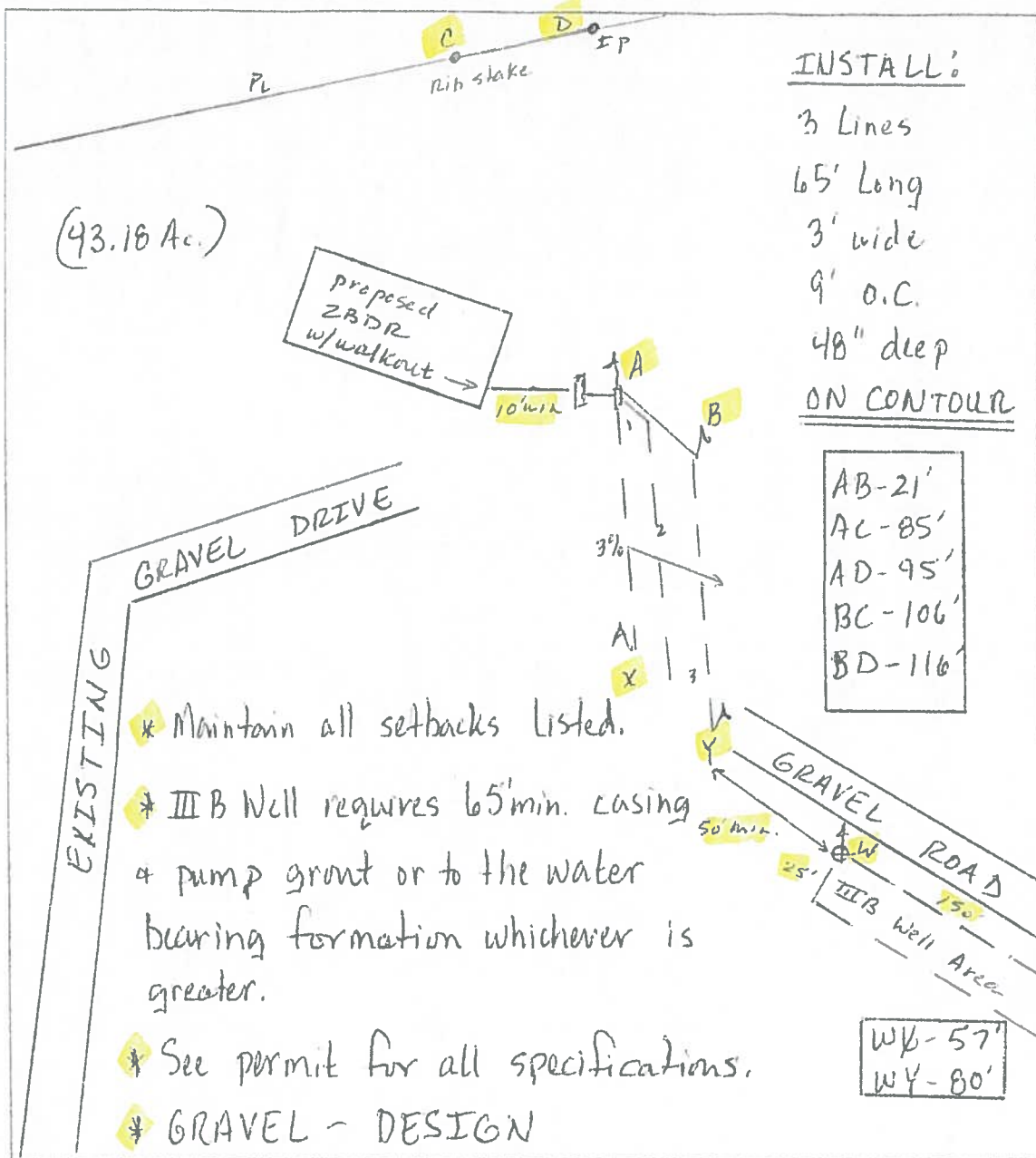
Site approved: Absorption Trenches (describe dispersal area, e.g. absorption trenches) dispersing Primary (proposed level of treatment at time of evaluation) to be placed at 48 (inches) depth at site designated on permit. Site provides a total of 585 square feet of absorption area for primary and reserve (if applicable).

Site disapproved: Reasons for rejection (check all that apply)

1. Position in landscape subject to flooding or periodic saturation.
2. Insufficient depth of suitable soil over hard rock.
3. Insufficient depth of suitable soil to seasonal water table.
4. Rates of absorption too slow.
5. Insufficient area of acceptable soil for required absorption area, and/or reserve area.
6. Proposed system too close to well.
7. Other (specify)

Construction Drawings

Property ID: 0200003202



Schematic drawing of sewage disposal system and topographic features. Show the lot lines of the building lot and building site, sketch of property showing any topographic features which may impact on the design of the system, all existing and/or proposed structures including sewage disposal systems and wells within 200 feet of sewage disposal system and reserve area. The scale drawing of the sewage disposal system shall show sewer lines, pretreatment unit, pump station, conveyance system, and subsurface soil absorption system, reserve area, etc. When a nonpublic drinking water supply is to be located on the same lot, show all sources of pollution within 200 feet.

Well Specifications

VDH Use Only
HDIN: _____

Applicant Information

Name: Hayden W Newell III Address: 8793 Wild Turkey Road
 Phone: (540) 353-8300 Boones Mill, VA 24065

Location Information

Tax Map/GPIN #: 0200003202 Property Address: Guthrie Road Boones Mill, VA. 24065
 Subdivision: N/A Section: N/A Block: N/A Lot: N/A
 Directions: 220 North, L-Naff Road, R-Guthrie Road, to lot on the right

General Information

Well Purpose (select all that apply): Domestic Drinking Water Agricultural
 Irrigation Industrial/Commercial Geothermal
 Well Class: III B Minimum Casing Depth: *** 65 ft.
 Estimated Water Usage: 300 GPD Minimum Grout Depth: *** 65 ft.

Horizontal Setbacks

Distance from Building Sewer: 50 ft. Distance from Pretreatment Unit(s): 50 ft.
 Distance from Conveyance System: 50 ft. Distance from Absorption Area: 50 ft.
 Distance from Property Line: 10 ft. Distance from foundations: 50 ft.
 Distance from other source(s) of contamination: _____ ft.
 List other source(s): _____

Note: *** III B Well is to be cased & grouted to the water bearing formation or 65' min., whichever is greater ***

System Specifications

VDH Use Only

HDIN: _____

Application Information	
Name: <u>Hayden W. Newell III</u>	Address: <u>8793 Wild Turkey Road</u>
Phone: <u>(540) 353-8200</u>	<u>Boones Mill, VA. 24065</u>
Location Information	
Tax Map/GPIN #: <u>0200003202</u>	Property Address: <u>Guthrie Road Boones Mill, VA 24065</u>
Subdivision: <u>N/A</u>	Section: <u>N/A</u> Block: <u>N/A</u> Lot: <u>N/A</u>
Directions: <u>220 North, L-Naff Road, R-Guthrie Road, to lot on the right</u>	
General Information	
Property Type (e.g. residential): <u>residential</u>	Number of Bedrooms: <u>2</u>
Daily Flow: <u>300</u> gpd	Conditions: _____
Notes: _____	
Sewer Line	
Diameter: <u>3-4</u> in. Material: <u>Sch. 40 PVC</u>	(or equivalent) Notes: _____
Pretreatment Unit(s)	
Treatment Level: <u>Primary</u>	Septic Tank Capacity: <u>1000</u> gallons
Number of Septic Tanks <u>1</u>	Size of Septic Tank(s) <u>1000</u> gallons
Per the Sewage Handling and Disposal Regulations, check which option(s) chosen:	
<input checked="" type="checkbox"/> Septic tank with inspection port <input type="checkbox"/> Septic tank with effluent filter <input type="checkbox"/> Reduced maintenance septic tank	
Secondary treatment device(s), if applicable: _____	
Notes: _____	
Conveyance Line	Distribution Method and Header Lines
Conveyance Method: <u>Gravity</u>	Distribution Method: <u>Distribution Box</u>
If pumping, include pump specifications sheet.	No. of boxes: <u>1</u> No. of outlets: <u>8</u>
Material: <u>Sch. 40 PVC</u> Diameter: <u>3"</u>	Surge or splitter box required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Notes: <u>6" of gravity fall per 100'</u>	Header Line Material: <u>4" 1500lb. crush strength</u>
Percolation Lines/Absorption Area	
Dispersal Method (e.g. laterals, pad, mound): <u>Laterals</u>	
If using pressure dispersal (e.g. drip), include pressure dispersal specifications sheet.	
No. of laterals/pads: <u>3</u> Length of lateral(s)/pad(s): <u>65</u> ft. Width of lateral(s)/pad(s): <u>36</u> in.	
Center to center spacing: <u>9</u> ft. Installation depth: <u>48</u> in. Aggregate depth: <u>13</u> in.	
Size/Type of Aggregate: <u>0.5 - 1.5" crushed stone</u> Lateral/pad slope: <u>2-4</u> in. per <u>100</u> ft.	
Reserve Area Provided: <u>N/A</u> % Notes: <u>**** GRAVEL DESIGN ****</u>	
Please Note: _____	

Appendix 6

Abbreviated Design Form

For use with gravity and pump drainfields, enhanced flow systems and low pressure distribution systems when applying for a certification letter or subdivision approval.

Design Basis

- A. Estimated Percolation Rate 35
- B. Trench bottom square feet required per bedroom Table 5.4 based on Gravity LPD 286
- C. Number of bedrooms 2

Area Calculations

- D. Length of trench 65' Length of available area 65'
- E. Width of trench 3'
- F. Number of trenches 3
- G. Center-to-center- spacing 9'
- H. Width required 21' Width of available area 25'
G(F-1) + E
- I. Total square footage required (line B times line C) 572
- J. Square footage in design (D*E*F) 585
- K. Is a reserve area required? Yes No
50%

NOTICE TO ALL CONTRACTORS & PROPERTY OWNERS:

- All Federal Law & State Regulations must be followed when installing this system. Installation must follow OSHA Guidelines.
- **IT IS THE OWNER'S RESPONSIBILITY TO HIRE A DPOR Licensed installer contractor that is required through ALL construction.**
- **DO NOT INSTALL DRAINFIELD'S** or provide clearing services during periods of wet soil conditions. DPOR system installers should review state health regulation **12 VAC 5-610-700** Site Preparation & Alteration to determine suitability prior to installation. Divert all roof drains & surface water away from the Septic Tank(s) & D/F area.
- Original grade of the property altered may result in null & void of previous approval to install a sewage disposal system. See Sewage Disposal System location & all specifications.
- Garbage disposals or water softeners are **NOT** recommended for onsite sewage disposal systems. These can cause a premature failure of the sewage disposal system.
- **Land Clearing resulting in a major change of topography determined by the AOSE could result in a Null & Void of a previously approved site. All hydrophilic trees & shrubs should be removed in & within 10'min. of the D/F area.**
- Driveway(s) that cross the drainfield area are required to be paved, avoid the distribution box.
- Maintain the proper setback distance with driveways and structures off the drainfield and reserve areas.
- **All private Well's are to be drilled and pumps installed & wired prior to Drainfield installation. Otherwise subject to an additional \$300 inspection fee.**
- **ALL FINAL INSPECTIONS OF DRAINFIELDS REQUIRE 72 hrs. NOTICE (business days)**
- All Sewage Disposal Systems are required to be inspected at the time of install and all trenches are to be left open for inspection prior to covering or the existing permit of approval can be deemed **NULL & VOID or REVOKED.**
- The Completion Statement for a Sewage Disposal System **will not be RELEASED until FULL PAYMENT is received.**
- **ANY site or soil conditions of this property that change CAN Null & Void the Permit of approval.**
- **ANY GRAVEL-LESS proposals must be approved by Christopher S. Frith, AOSE (1940001328) prior to being installed.**
- **It is the owner's and contractor's responsibility to ensure that the private well, sewage disposal system, and reserve area are designed & installed on the applicant's property and do not interfere with P.U.E.'s and Easements of any kind. The Owner/Agent accepts ALL liability for property line locations as identified unless the property is marked by a new survey in the field at the time of the site evaluation.**