

OSE/PE Report For:

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

Property Location:
 911 Address: TBD Slings Gap Rd State/City: Bent Mountain, VA
 Lot _____ Section _____ Subdivision _____
 GPIN or Tax Map # 21-9 Health Dept ID # Franklin County
 Latitude _____ Longitude _____

Applicant or Client Mailing Address:
 Name: Loud Water, LLC Phone: 540-761-9166 Email: sam@woltz.com
 Street: 23 Franklin Rd.
 City: Roanoke State VA Zip Code 24011

Prepared by:
 OSE Name Stephen D. Dalton License # 1940001068
 Address 305 Oak Street
 City Hillsville State VA Zip Code 24343
 PE Name _____ License # _____
 Address _____
 City _____ State _____ Zip Code _____

Date of Report 5/27/24 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.)

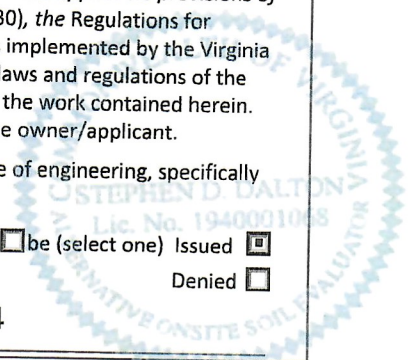
<input checked="" type="checkbox"/> OSE Report	<input checked="" type="checkbox"/> System Specs	<input type="checkbox"/> Abbreviated Design
<input checked="" type="checkbox"/> Application	<input checked="" type="checkbox"/> Construction Drawing	<input checked="" type="checkbox"/> Site Sketch
<input checked="" type="checkbox"/> Site Report	<input checked="" type="checkbox"/> Well Specs	<input checked="" type="checkbox"/> Map
<input checked="" type="checkbox"/> Soil Report	<input type="checkbox"/> Pump Specs	<input type="checkbox"/> Reserve

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 Stephen D. Dalton Date 5/27/24



Commonwealth of Virginia

Application for: Sewage System Water Supply

VDH Use only
Health Department ID# _____
Due Date _____

Owner Loud Water, LLC

Mailing Address 23 Franklin Rd.
Roanoke VA 24011

Agent Southwest Soils, Inc.

Mailing Address 305 Oak St.
Hillsville VA 24343

Site Address TBD Slings Gap Rd
Bent Mountain, VA

Directions to Property: Entrance is NW of 10809 Slings Gap Rd

Subdivision _____ Section _____ Block _____ Lot _____

Tax Map 21-9 Other Property Identification _____ Dimension/Acreage of Property _____ 28.277 acres

Phone 540-761-9166

Phone _____

Fax _____

Phone 276-728-3222

Phone _____

Fax _____

Email sam@woltz.com

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 3) Multi-Family Dwelling (Total Number of Bedrooms _____)

Other (describe) _____

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

Conditional permit 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

All Applicants

Is this property indeed to serve as your (owners) principal place of residence? Yes No

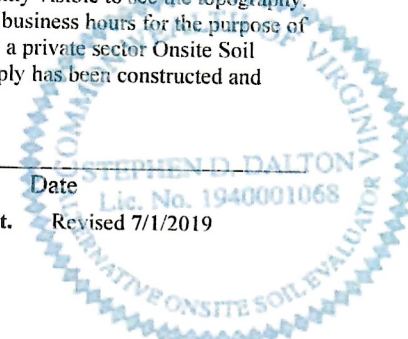
All applications must be accompanied by private sector evaluations and designs, unless a petition for VDH services is approved. Is a Petition for Service form attached? Yes No

In order for VDH to process your application for a sewage system you must attach 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.

Stephen D. Dalton
Signature of Owner/ Agent

5/27/24
Date

STEPHEN D. DALTON
Lic. No. 1940001068
Revised 7/1/2019



Site and Soil Evaluation Report

VDH Use Only
HDIN: _____

General Information

Date: 5/27/24

Owner: Loud Water, LLC Phone: Franklin County Health Department
540-761-9166

Owner Address: 23 Franklin Rd. Roanoke VA 24011

Property Address: TBD Slings Gap Rd Bent Mountain, VA

Tax Map/GPIN #: 21-9

Subdivision: _____ Section: _____ Block: _____ Lot: _____

Soil Information Summary

1. Position in landscape satisfactory: Yes No Describe landscape position: sideslope

2. Slope: 32 %

3. Depth to rock/impervious strata: Max. 70 in. Min. 60 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: 40 min/in at 40 inches depth
 Texture Group: I II III IV

7. Percolation test performed: Yes No If yes, provide additional data on percolation test results.

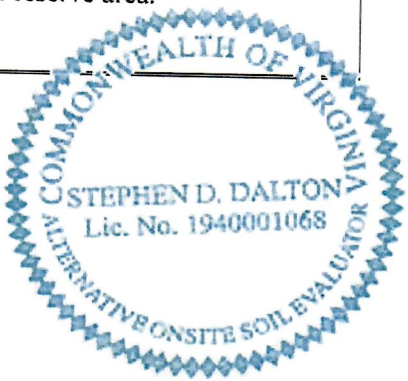
Name and title of evaluator: Stephen Dalton OSE

Signature: *Stephen Dalton*

Site approved: Absorption Trenches (describe dispersal area, e.g. absorption trenches) dispersing Septic Tank Effluent (proposed level of treatment at time of evaluation) to be placed at 40 (inches) depth at site designated on permit. Site provides a total of 720 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) _____



Date of Evaluation: 5/22/24

Profile Description

SOIL EVALUATION REPORT

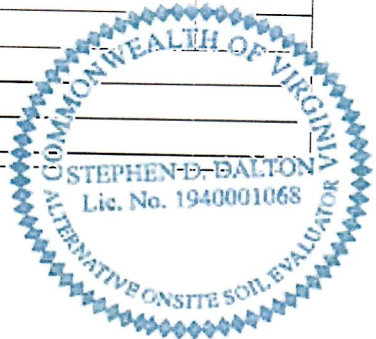
Property ID: 21-9

Where the local health department conducts the soil evaluation the location of profile holes may be shown on the schematic drawing on the construction permit or the sketch submitted with the application. If soil evaluations are conducted by a private Onsite Soil Evaluator or Professional Engineer, location of profile holes and sketch of the area investigated including all structural features (i.e. sewage disposal systems, wells, etc.) within 200 feet of the site and reserve site shall be shown on the reverse side of this page or prepared on a separate page and attached to this form.

See application sketch See Construction Permit See sketch on reverse side or page attached to this form.

Hole #	Horizon	Depth (Inches)	Description of color, texture, etc.	Texture Group
1	A	0-10	Dark Yellowish Brown (10YR 3/6) LOAM	IIb
	Bt	10-26	Brown (7.5YR 5/4) SANDY CLAY LOAM	IIb
	C	26-72	Dark Yellowish Brown (10YR 4/6) SANDY LOAM, more dense at 50"	IIa
2	A	0-8	Dark Yellowish Brown (10YR 3/6) LOAM	IIb
	Bt	8-28	Strong Brown (7.5 YR 5/6) SANDY CLAY LOAM	IIb
	C	28-60	Yellowish Brown (10 YR 5/6) SANDY LOAM	IIa
3	A	0-10	Dark Yellowish Brown (10YR 3/6) LOAM	IIb
	Bt	10-30	Dark Yellowish Brown (10YR 4/6) SANDY CLAY LOAM	IIb
	C	30-60	Brown (7.5YR 5/4) LOAM	IIb

REMARKS:



System Specifications

VDH Use Only
HDIN: _____

Application Information

Name: Loud Water, LLC Address: 23 Franklin Rd.
Phone: 540-761-9166 Roanoke VA 24011

Location Information

Tax Map/GPIN #: 21-9 Property Address: TBD Slings Gap Rd Bent Mountain, VA
Subdivision: _____ Section: _____ Block: _____ Lot: _____
Directions: NW of 10809 Slings Gap Rd

General Information

Property Type (e.g. residential): Residential Number of Bedrooms: 3
Daily Flow: 450 gpd Conditions: _____
Notes: _____

Sewer Line

Diameter: 4 in. Material: SCH 40 PVC (or equivalent) Notes: cleanouts every 50'

Pretreatment Unit(s)

Treatment Level: _____ Septic Tank Capacity: 1,000 gallons
Number of Septic Tanks 1 Size of Septic Tank(s) 1,000 gallons

Per the Sewage Handling and Disposal Regulations, check which option(s) chosen:

Septic tank with inspection port Septic tank with effluent filter Reduced maintenance septic tank

Secondary treatment device(s), if applicable: _____

Notes: PVC 40 4" Tees

Conveyance Line

Conveyance Method: Gravity
If pumping, include pump specifications sheet.
Material: SCH 40 PVC Diameter: 4"
Notes: 6" fall per 100'

Distribution Method and Header Lines

Distribution Method: 4" SCH 40 PVC
No. of boxes: 1 No. of outlets: 8+
Surge or splitter box required: Yes No
Header Line Material: SCH 40 PVC

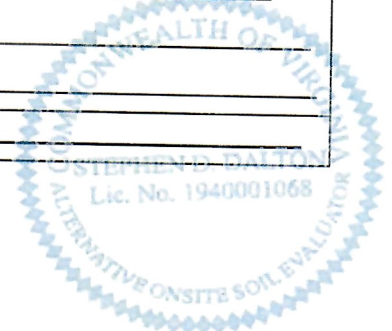
Percolation Lines/Absorption Area

Dispersal Method (e.g. laterals, pad, mound): laterals

If using pressure dispersal (e.g. drip), include pressure dispersal specifications sheet.

No. of laterals/pads: 4 Length of lateral(s)/pad(s): 60 ft. Width of lateral(s)/pad(s): 36 in.
Center to center spacing: 12 ft. Installation depth: 40 in. Aggregate depth: N/A in.
Size/Type of Aggregate: Infiltrator Chambers Lateral/pad slope: 2'-4" in. per 100 ft.
Reserve Area Provided: _____ % Notes: _____

Please Note: _____



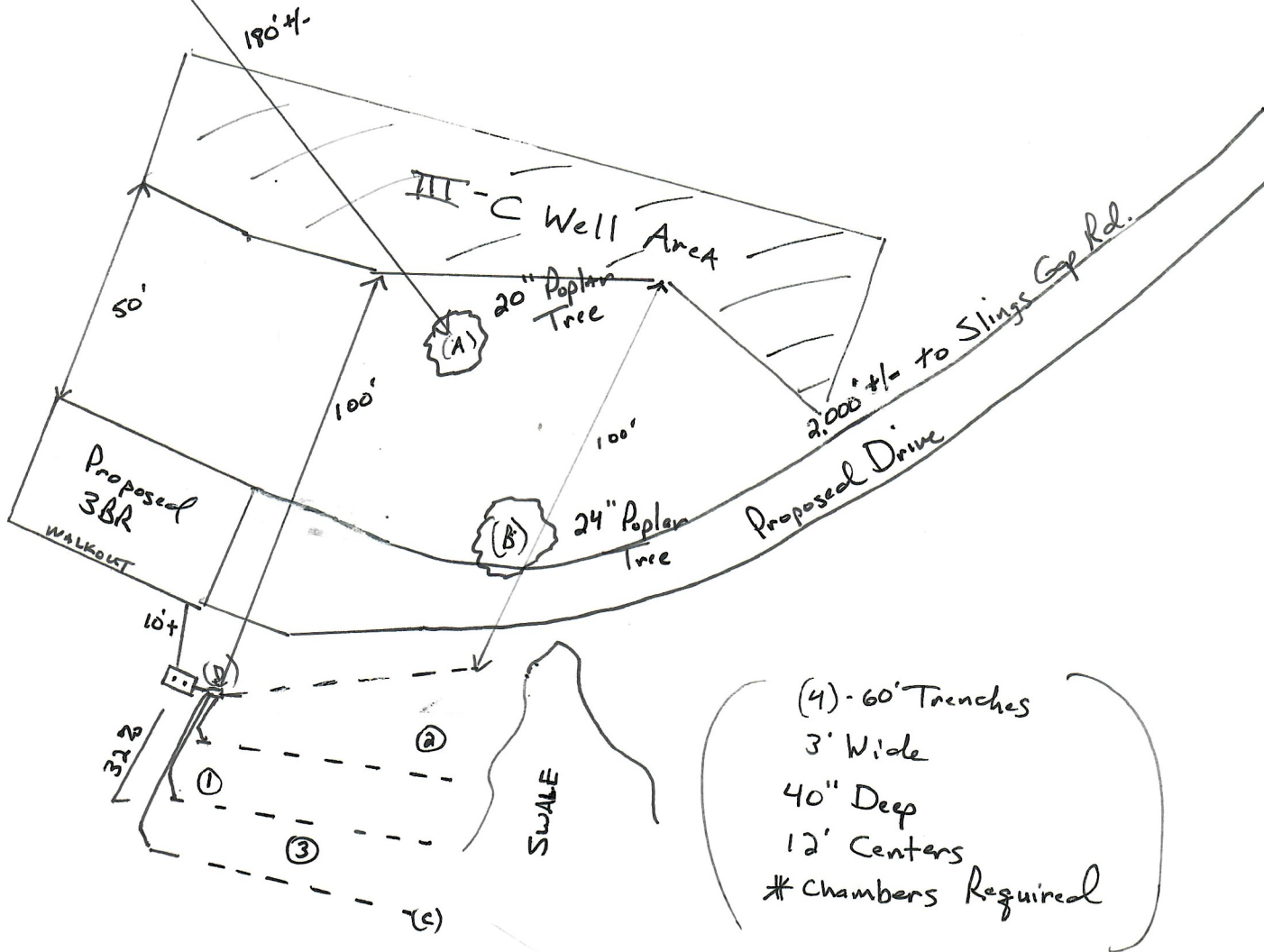
Blue Ridge Parkway

PL

Approx. 1" = 40'

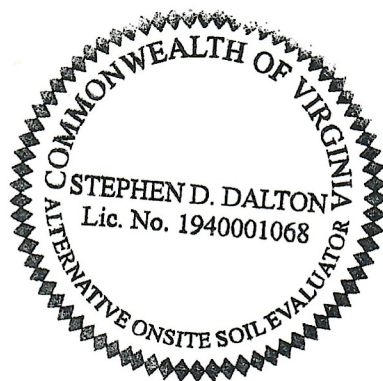
Monument #159

A-B 46'
 A-C 130'
 A-D 96'
 B-C 90'
 B-D 78'



(4) - 60' Trenches
 3' Wide
 40" Deep
 12' Centers
 # Chambers Required

200' + to PL



Well Specifications

VDH Use Only

HDIN: _____

Applicant Information	
Name: <u>Loud Water, LLC</u>	Address: <u>23 Franklin Rd.</u>
Phone: <u>540-761-9166</u>	<u>Roanoke</u> <u>VA</u> <u>24011</u>
Location Information	
Tax Map/GPIN #: <u>21-9</u>	Property Address: <u>TBD Slings Gap Rd</u> <small>Bent Mountain</small>
Subdivision: _____	Section: _____ Block: _____ Lot: _____
Directions: <u>NW of 10809 Slings Gap Rd</u>	
General Information	
Well Purpose (select all that apply): <input checked="" type="checkbox"/> Domestic Drinking Water <input type="checkbox"/> Agricultural	
<input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial/Commercial <input type="checkbox"/> Geothermal	
Well Class: <u>III-C</u>	Minimum Casing Depth: <u>20</u> ft.
Estimated Water Usage: <u>450</u>	Minimum Grout Depth: <u>20</u> ft.
Horizontal Setbacks	
Distance from Building Sewer: <u>50</u> ft.	Distance from Pretreatment Unit(s): _____ ft.
Distance from Conveyance System: <u>50</u> ft.	Distance from Absorption Area: <u>100</u> ft.
Distance from Property Line: <u>50</u> ft.	Distance from foundations: _____ ft.
Distance from other source(s) of contamination: <u>100</u> ft.	
List other source(s): _____	
Note: _____	
<u>50'+ off property lines bordering agricultural property 50'+ off foundations if building is termite treated</u>	



CURRENT OWNER - ARLENE A. GOODWIN
 DB 312, PG 188

I HEREBY CERTIFY THAT THIS PLAT WAS MADE BY ME AND THAT THE MONUMENTS SHOWN ON THIS PLAT HAVE BEEN PLACED AND THEIR LOCATION AND CHARACTER ARE CORRECTLY SHOWN. THE SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND COMPLIES WITH THE SURVEY STANDARDS AND PROCEDURES ESTABLISHED BY THE VIRGINIA STATE SURVEYORS BOARD.

NOTES:
 THIS IS A RE-SURVEY OF AN EXISTING LOT IS EXEMPT FROM THE FRANKLIN COUNTY SUBDIVISION ORDINANCE.
 ALL IRON RODS SET ARE 5/8" REBAR

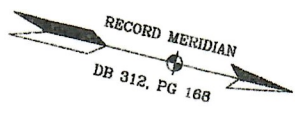
THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND THEREFORE MAY NOT NECESSARILY INDICATE ALL ENCUMBRANCES UPON THE PROPERTY.

THIS IS TO CERTIFY THAT THE PROPERTY SHOWN HEREON IS NOT LOCATED WITHIN THE 100 YEAR FLOOD ZONE AS DETERMINED BY THE DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT, FIRM PANEL 51067C0505C. PANEL NOT PRINTED

THIS IS TO CERTIFY THAT ON MAY 17, 2024 AN ACCURATE SURVEY WAS MADE OF THE PREMISES SHOWN HEREON AND THAT THERE ARE NO EASEMENTS, ENCUMBRANCES OR OTHER RIGHTS ON THE GROUND OTHER THAN THOSE SHOWN HEREON



Now or Formerly
 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE
 (BLUE RIDGE PARKWAY)



28.277 ACRES
 TAX No. 21-9

Approx. DF Area

STATE ROUTE 612 30' R/W
 SLINGS GAP ROAD

COURSE	BEARING	DISTANCE
L-1	S 38°37'41" W	25.28'
L-2	S 15°32'38" W	34.46'
L-3	S 18°23'46" W	37.46'
L-4	S 20°11'40" W	78.46'
L-5	S 24°44'49" E	68.51'
L-6	S 08°41'70" E	90.84'
L-7	S 12°46'39" W	84.29'
L-8	S 07°43'49" E	74.42'
L-9	S 18°46'07" W	48.48'
L-10	S 18°46'07" W	102.10'
L-11	S 04°12'29" W	37.65'
L-12	S 11°04'35" W	37.23'
L-13	S 17°24'14" W	61.27'
L-14	S 37°39'24" W	42.45'
L-15	S 03°45'54" W	45.56'
L-16	S 09°40'35" E	48.43'
L-17	S 08°59'58" E	78.43'
L-18	S 01°59'58" E	42.83'
L-19	S 01°59'58" E	23.26'
L-20	S 16°20'56" E	30.29'
L-21	S 38°24'16" W	17.07'
L-22	S 03°04'15" E	24.24'
L-23	S 06°10'38" W	25.02'
L-24	S 25°01'07" W	42.25'
L-25	S 4°58'15" W	82.25'
L-26	S 46°35'25" W	83.26'
L-27	S 71°56'14" W	42.85'
L-28	S 26°40'34" W	13.48'
L-29	S 40°03'14" W	51.88'
L-30	S 19°14'01" E	59.58'
L-31	S 31°46'41" E	53.98'
L-32	S 26°32'14" E	32.30'
L-33	N 49°29'23" W	61.71'
L-34	N 49°29'23" W	91.71'
L-35	N 87°18'05" W	53.24'
L-36	N 69°27'38" W	34.45'
L-37	S 57°00'53" W	67.30'
L-38	S 72°05'09" W	32.08'
L-39	S 59°08'17" W	31.98'
L-40	N 83°44'14" W	50.18'
L-41	N 81°35'57" W	41.01'
L-42	N 88°24'33" W	42.08'
L-43	S 48°24'12" W	92.08'
L-44	S 48°24'12" W	37.17'
L-45	S 75°54'51" W	
L-46		

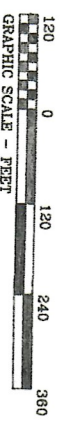
PLAT OF PROPERTY
 TO BE ACQUIRED BY
LOUD WATER, LLC
 LOCATED IN
 BLACKWATER MAGISTERIAL DISTRICT
 FRANKLIN COUNTY, VIRGINIA
 MAY 17, 2024
 SCALE 1" = 120'

CORNERSTONE LAND SURVEYING, INC.
 850 SOUTH MAIN STREET
 P. O. BOX 770
 ROCKY MOUNT, VIRGINIA 24151
 800-488-3880

Now or Formerly
 WAYNE ELLIS WRAY
 DB 593, PG 119
 TAX No. 21-10

Now or Formerly
 WAYNE ELLIS WRAY
 DB 593, PG 119
 TAX No. 21-10

Now or Formerly
 WAYNE ELLIS WRAY
 DB 273, PG 986 (PLAT)
 TAX No. 21-12



FIELD BK 806, JOB No. 24182, DRAWING No. C-4986