

A major challenge is the high time commitment and federal requirements for volunteer training, which often deters interested individuals.

The current mandatory training requirements for CAC volunteers are extensive:

Phase/Requirement	Hours	Notes
Initial Pre-Classroom	7 hours	Independent study (videos/materials)
Classroom Training	15 hours	Phase 1: Education, talking to facilities
Facility Training (Fieldwork)	10-14 hours	Phase 2
Annual Continuing Education (CE)	18 hours	Yearly requirement
Annual Education Requirement	10 hours	Yearly requirement
Total Annual Education	36 hours	Up from a previous 15 hours/year

### Clear Creek Sewer System

The Board continued to discuss the most current information pertaining to the Clear Creek Sewer System.

County Engineer Marcus Jones presented the following:

#### CCSS Project: Purpose

- To provide sewer service to Edneyville Elementary school in response to NCDEQ permitting requirement.
- Secondary service benefits of project:
  - WNC Justice Academy
  - County Facilities (Community Center, Park, Library)
  - Edneyville Fire Department
  - Existing commercial properties with failing on-site systems

#### CCSS Project: Current Funding

- NC American Recovery Plan Act of 2021: ~~\$12.7 million~~  
(Note, ~~must~~ be spent by December 31, 2026)
- County's Capital Reserve (Edneyville Elementary): \$2.5 million
- County Funds (County ARPA allocation): \$1.05 million
- County's NC Justice Academy Fund (if JA is served): \$780,000
- **Total (Funds allocated without State ARPA): \$3.55 to \$4.33 million**

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Approved:

# Edneyville Elementary School Temporary Septic Permit



NC DEPARTMENT OF  
HEALTH AND  
HUMAN SERVICES

ROY COOPER, Governor  
MANDY COHEN, MD, MPH, Secretary  
BETH LOVETTE, MPH, BSN, RN, Acting Director  
Division of Public Health

October 15, 2018

Mr. Seth Swift  
Henderson County Health Dept  
1205 Spartanburg Hwy, Suite 100  
Hendersonville, NC 28792

Subject: Approval of Engineering Plans and Specifications for Edneyville Elementary School  
2875 Pace Rd, Henderson County, NC  
Project Number 1975-101-2

Dear Mr. Swift:

On October 2, 2018, we received a revised submittal for upgrades to the existing wastewater treatment system serving Edneyville Elementary School from Mark Brooks, PE, Brooks Engineering.

Enclosed is one copy of the plans and specifications, stamped "Approved by On-Site Wastewater, Department of Health and Human Services." The Improvement Permit and Authorization to Construct to be issued for this system repair must include the approved plans, specifications, system operation and maintenance plan, legal documents and any other conditions deemed appropriate by the health department.

The approved plans and specifications are for the following facilities and system components:

**Facilities:** School expansion up to 600 students

**System:**

Existing: 2,500 gallons veggie/dosing tank; and approximately 2,720 linear feet of drainfield  
New: 8-3,500 gallons grease tank, 1-6,000 gallons septic tank, 1-4,000 gallons pump tank; duplex control panel pumping system, on/off timer controls, and audible/visible high water alarm system; one 3-inch force main to existing septic tank

**Design Flow:** 6,000 gallons/day

**System Classification:** ~~3b~~, requiring monthly inspections by the CRC with twice a year inspection reports submitted to the local health department and at least yearly inspection by your department.

It is critical that the Health Department require a preconstruction meeting prior to the system installation. The preconstruction meeting must be attended by the Health Department, the owner or their representative, the installer and the design engineer. At this meeting, the project construction sequence, installation inspections, and testing activities must be discussed. We recommend listing the preconstruction meeting as a condition in the Construction Authorization.

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES  
LOCATION: 8605 SIX FORKS RD, RALEIGH NC 27609  
MAILING ADDRESS: 1842 MAIL SERVICE CENTER, RALEIGH NC 27609-1842  
PHONE: 919-737-5544 FAX: 919-737-5572  
AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

Seth Swift

October 15, 2018

There are several times during the installation of this system when direct supervision by the health department must be provided to ensure proper installation.

1. Existing water use fixtures remain as proposed. No garbage grinders and no condensate water are to be permitted to enter the wastewater system.
2. The new tanks to be provided are installed in accordance with the approved plans and specifications. The tanks are required to be leak tested and shown to be watertight. Surface water must be diverted away from tanks and tank access openings. Tanks must be accessible from the ground surface.
3. The pump tanks must include all specified pumps and components. All appurtenances (e.g., floats and float support mechanisms, valves, etc.) must be provided as shown. Pump delivery rates for each pump must all be measured, recorded, and determined to be comparable to design specifications.
4. Dosing system appurtenances must be manually checked and controls tested for proper automatic operation.
5. Force main/supply lines are to be provided in accordance with approved plans and specifications. The force main/supply lines should be leak tested and shown to be watertight.
6. The operation permit conditions must include the O&M procedures attached to the approved specifications. It shall also include the necessary information regarding the proposed management entity and certified operator as well as any additional concerns deemed appropriate by the health department for O&M of this system.

A certified subsurface system operator shall be contracted to operate the subsurface system. The operator shall inspect the system monthly and report findings to the health department twice a year. The health department shall review/inspect system operation annually.

Note that a registered professional engineer must certify that the system has been installed in accordance with the approved plans and specifications. This certification is based upon periodic observations of construction and a final inspection for design compliance by the certifying engineer or his representative. Record drawings must be provided by the engineer unless the installation is completed without alteration to the approved plans. The installation must be approved by the health department prior to the issuance of an operation permit.

Please contact staff for assistance with the final inspection. Also feel free to contact me if you have any questions pertaining to this letter or if I may be of further assistance with this project. I can be contacted at 919-707-5878 or by email at trish.angill@dhs.nc.gov.

Sincerely,

Tricia Angill, PE  
On-Site Wastewater Engineering

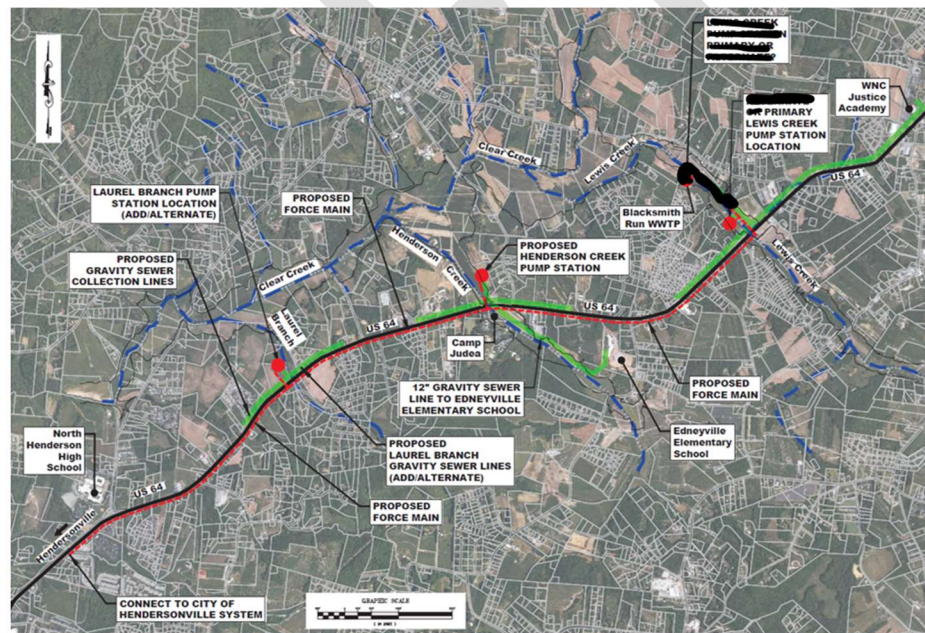
Enclosures

cc: Mark Brooks, PE, Brooks Engineering Associates

**600 vs 800 students**

## Option 1: Awarded Project Scope

WGLA Engineering, LLC



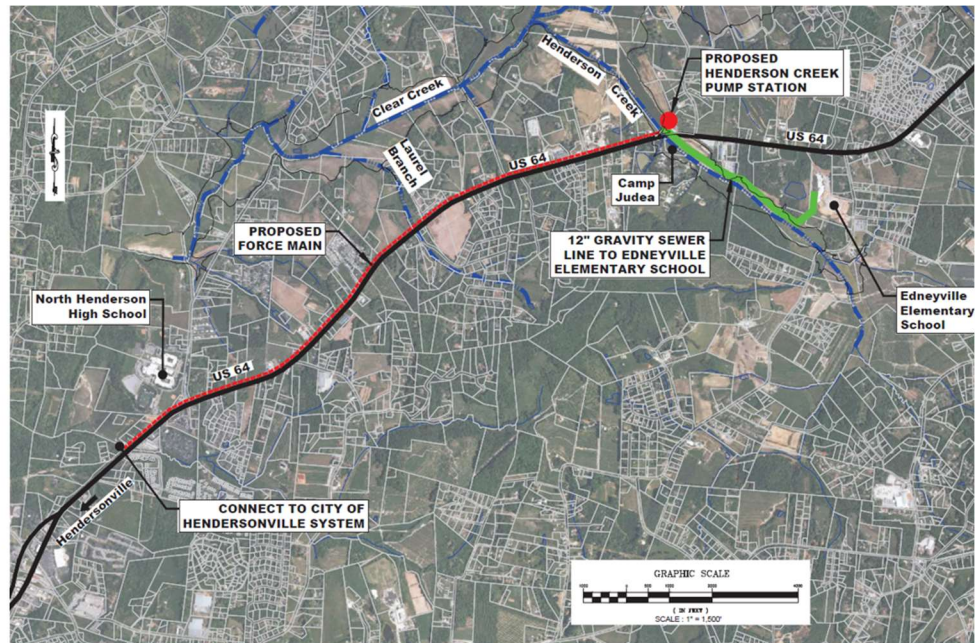
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Approved:



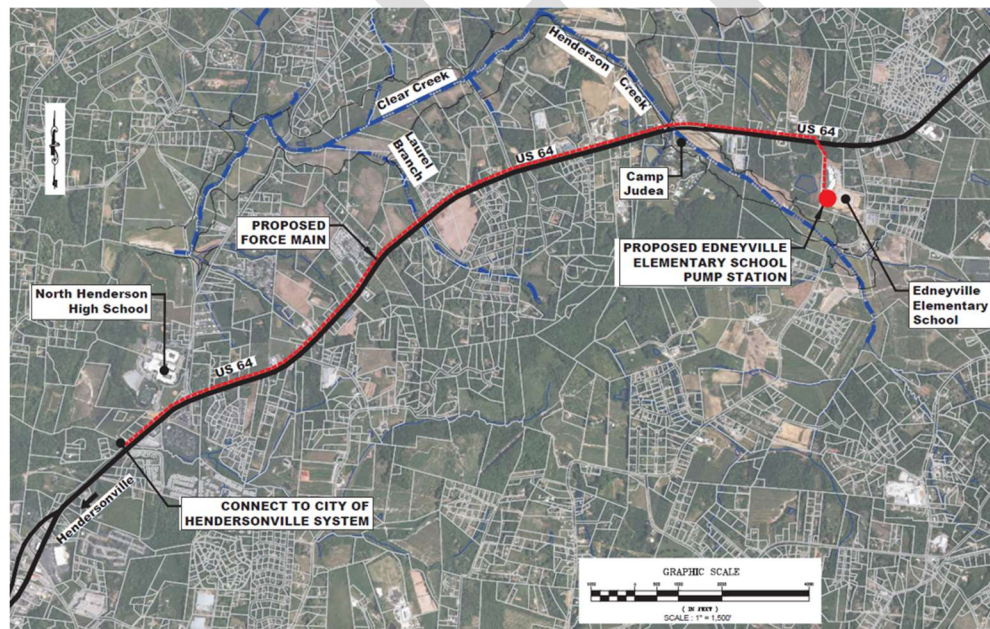
## Option 2: Henderson Creek Pump Station and Gravity Line

WGLA Engineering, LLC



## Option 3: Edneyville Elementary School Pump Station

VGLA Engineering, LLC



## Option 4:

Delay Project Until Funding is Available

(DWI staff recommended SRF application in the Spring)

Approved:

## **Project Financial Information**

- Funds Expended to Date on Professional Services, Easements: \$1,997,005
- Currently Allocated Funds: \$3.55 to \$4.33 million
- Participation from Camp Judea like Mud Creek Sewer project: contribute the cost or percentage of the cost to replacing their WWTP. They will have to spend this amount if our project does not happen.

## **Project Options Funding**

Option	Construction Cost	Total Project Cost	Funds Available	Funds Needed
1 - Awarded Project Scope	15,650,000	17,000,000	4,300,000	12,700,000
2 - Henderson Creek Pump Station and Gravity Line (WGLA)	6,650,000	9,500,000	3,500,000	6,000,000
3 - Edneyville ES Pump Station	5,500,000	9,000,000	3,500,000	5,500,000
4 - Delay Project	-	-	-	-
* - Funds available include County ARPA funds (expended), Capital Reserve Funding, and/or Justice Academy Fund Balance				

Will Buie reported that the contractor has agreed to extend the bid deadline to January 9, 2026.

Mr. Jones noted that the existing septic system at Edneyville Elementary was designed for a maximum capacity of 600 students. It was also noted that Edneyville Elementary School cost \$25 million to construct and currently operates on a 60-year-old septic system, underscoring the need for long-term wastewater solutions.

Mr. Jones explained that Option 2 could proceed without delay, given the easements, permits, engineering work, and other approvals already in place. However, Option 2 offers limited connectivity options, is more expensive than previously expected, and does not include Justice Academy funding. Jones and Buie estimated that a couple of months will be required to obtain a firm bid for Option 2. Despite these limitations, when asked, Buie and Jones recommended Option 2. Option 3 would require starting over with permitting, engineering, and approvals, resulting in substantial delays.

*Commissioner McCall made a motion to proceed with a rescoped Option 2 and to put the project out to bid as timely as possible. All voted in favor, and the motion passed unanimously.*

Approved: