

Edneyville

Proposed Sewer System

Henderson County, North Carolina



Edneyville Sewer Summary

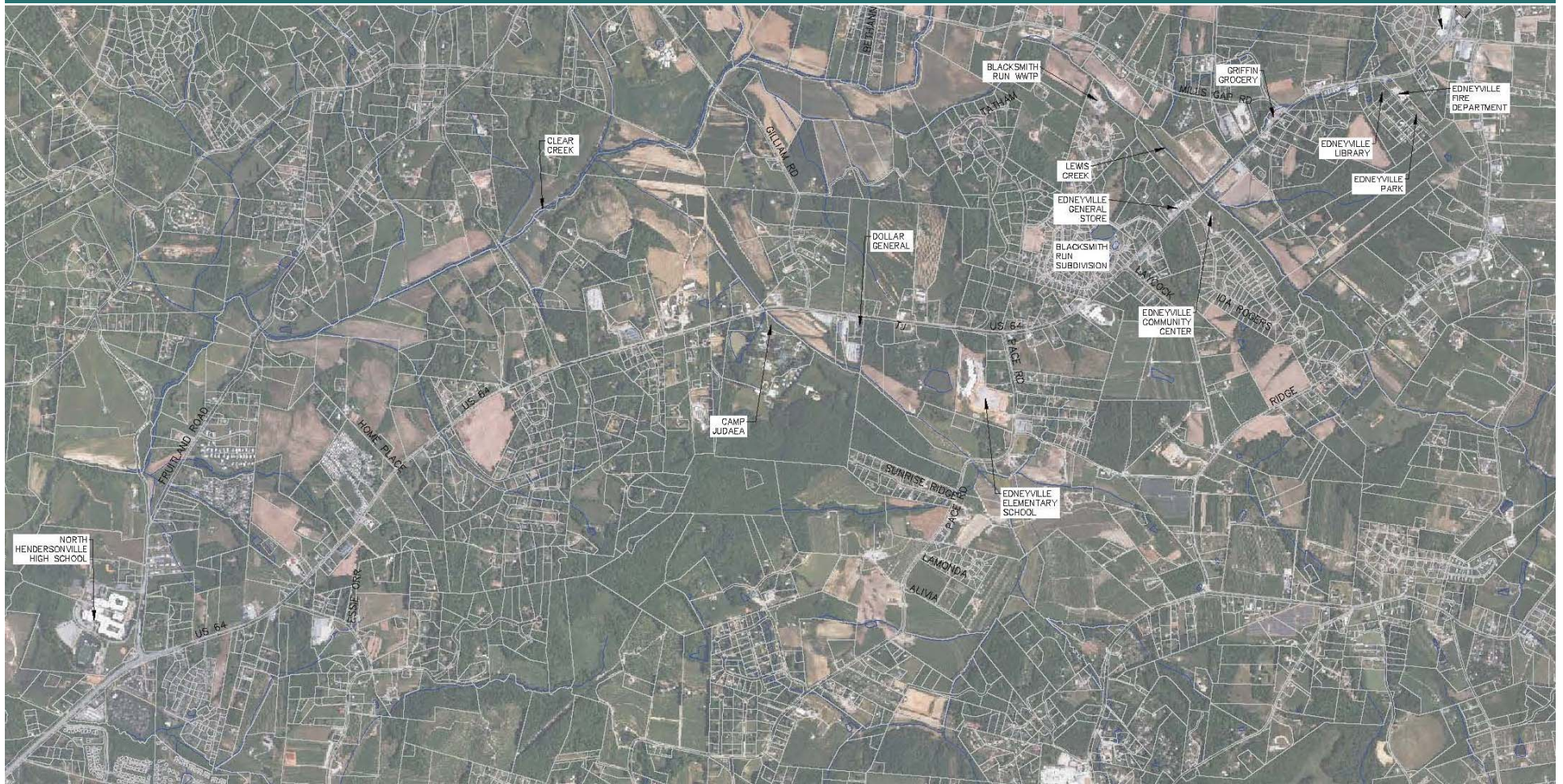
- ◆ County completed Preliminary Engineering Report with KCI in July 2021.
 - ◆ Report identified numerous options for providing sewer service to the area ranging in cost from \$2 million - \$60 million +/-.
 - ◆ State budget has allocated \$12.7 million in funding for the project.
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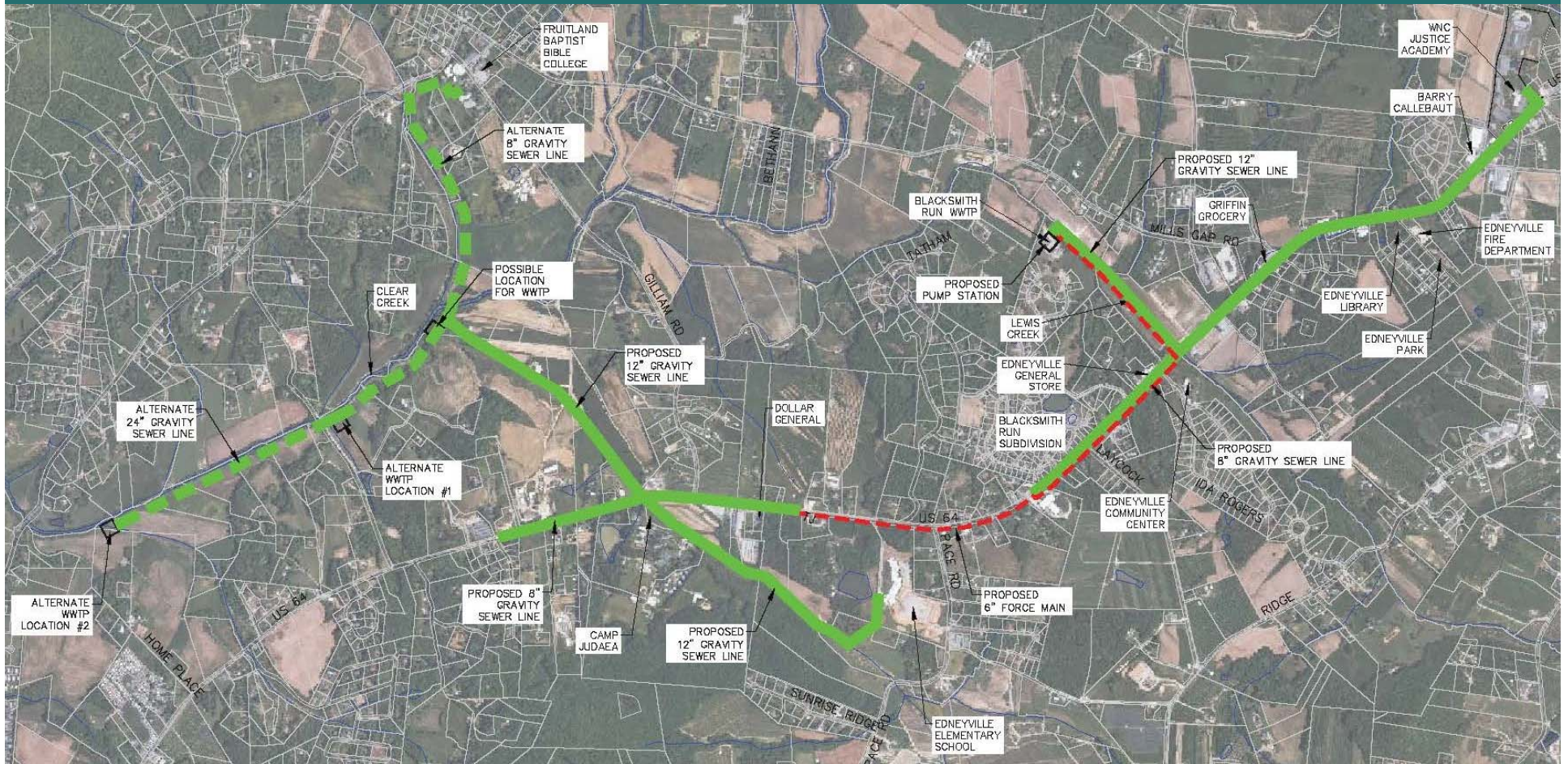
WGLA Engineering was engaged in late 2021 to:

- ◆ prepare updated project cost estimates and layouts for the KCI option 5A.
 - ◆ identify likely users for the initial system.
 - ◆ work with Raftelis (financial consultant) to prepare an initial rate study/analysis to financially support the proposed system.
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Edneyville Sewer Study Area



Edneyville Sewer Option 5A (Alternate WWTP Locations)



Edneyville Sewer Estimated Costs

- ◆ Updated option 5A overall estimated project cost
-\$14.0 million
- ◆ Gravity Sewer Service to Fruitland
-\$1.3 million
- ◆ Updated option 5A with WWTP at Alternate
Location #1
- \$17.6 million (includes gravity sewer to Fruitland)
- ◆ Updated option 5A with WWTP at Alternate
Location #2
– \$20.6 million (includes gravity sewer to Fruitland)

Edneyville Sewer Likely Users

- ◆ List of Likely Customers: County/Public Facilities and Private Users
- ◆ Estimated Average Daily Flow: 71,253 GPD
- ◆ Peaking Factor for Flow: 106,880 GPD
- ◆ Account for Natural Growth (assume 1.5%/Year)
- ◆ Treatment Facility Would Likely Be 150,000 GPD Expandable in 150,000 Gallon Increments
- ◆ Discharge Permit Would Likely be 450,000 GPD

Edneyville Sewer Rate Information



Summary/Next Steps

- ◆ Commissioners select project scope.
 - ◆ Meet with NCDEQ to discuss possible discharge permit to Clear Creek.
 - ◆ Based on feedback from NCDEQ, officially request speculative limits for a new discharge to Clear Creek.
 - ◆ Begin alternatives analysis and environmental studies necessary for permit application submittal.
 - ◆ Submit NPDES permit request.
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