

Clear Creek Sewer Project

With the Board approval of the design and permitting agreement with WGLA Engineering during the December 4, 2023, meeting and the approval of the discharge permit for the treatment plan last month, Will Buie from WGLA Engineering will present an update on the project to include cost estimates and updated scope options for Board consideration.

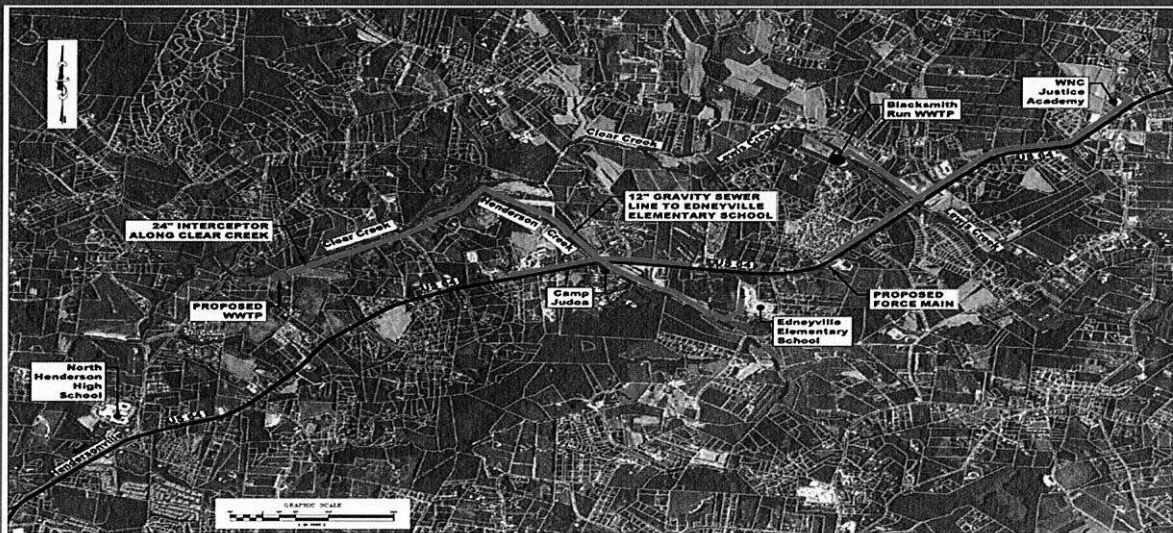
This project was on a very constrained schedule due to funding deadlines.

Will Buie provided the following options for the Board to consider.

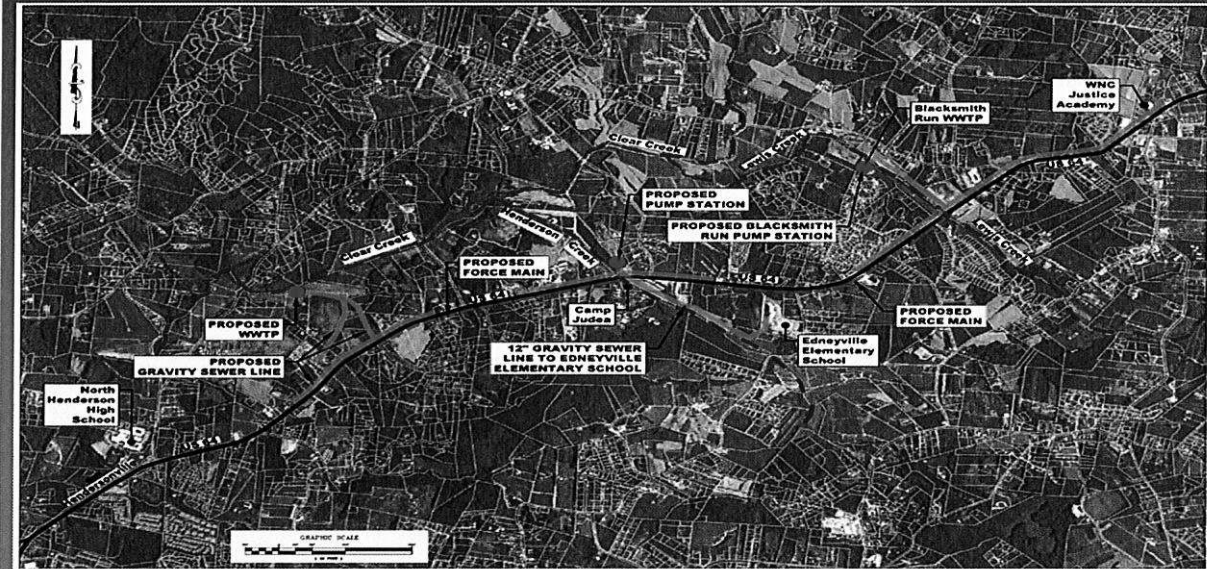
Clear Creek Project Summary

- ◆ State budget has allocated \$12.7 million in funding for the project. County has allocated \$9.3 million in ARPA funds for the project. Finally, the County reserved \$2 million in funding from the Edneyville Elementary project for sewer service and the Justice Academy has a reserve of \$0.73 million. Total available funding is **\$24.73 million**.
- ◆ In May 2024 NCDEQ issued a discharge permit a new wastewater treatment plant on Clear Creek.
- ◆ Current Estimate for the proposed system is \$32 million.
- ◆ Budget gap is approximately \$7.27 million.

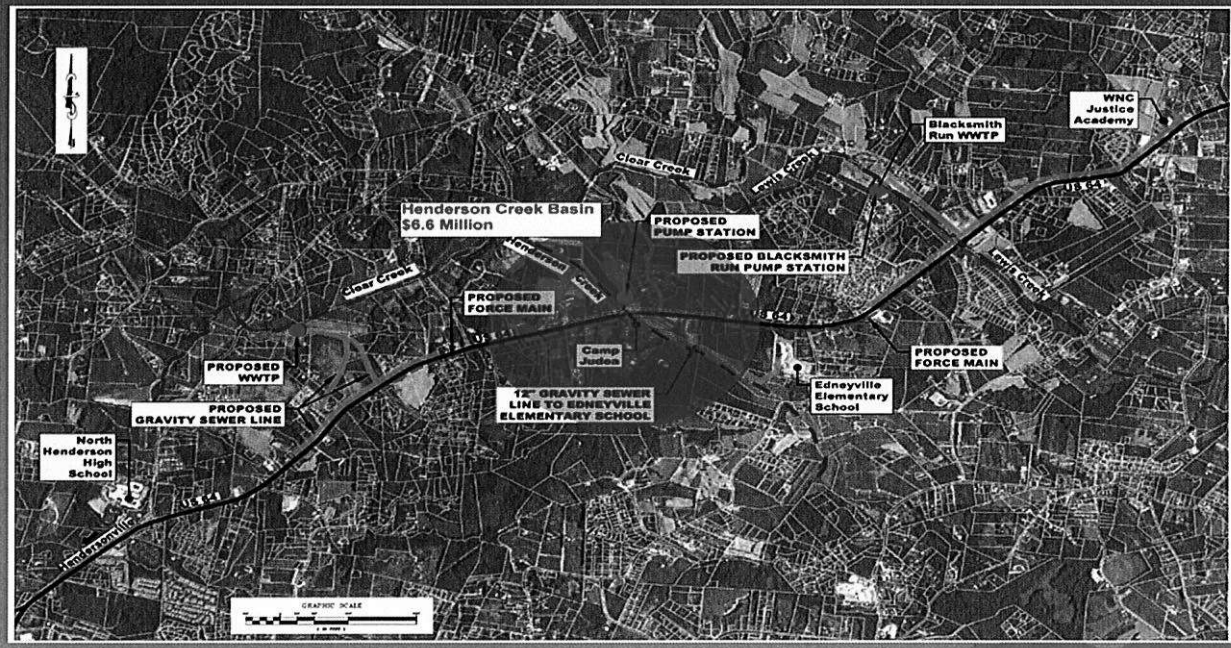
Clear Creek Current Option Under Design



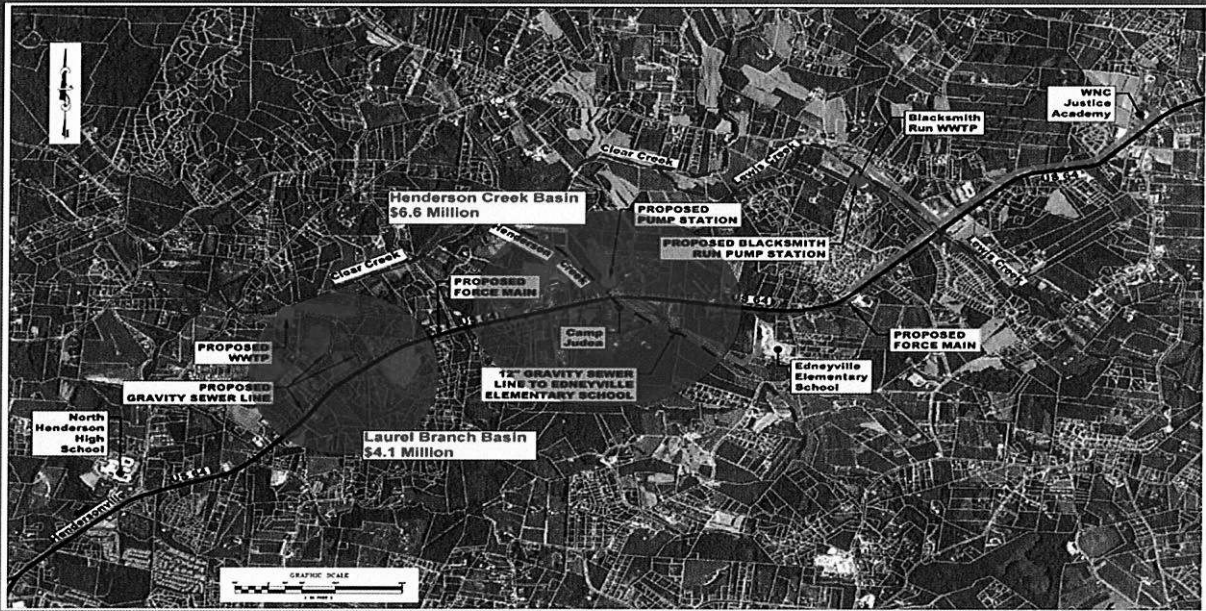
Clear Creek Option 2



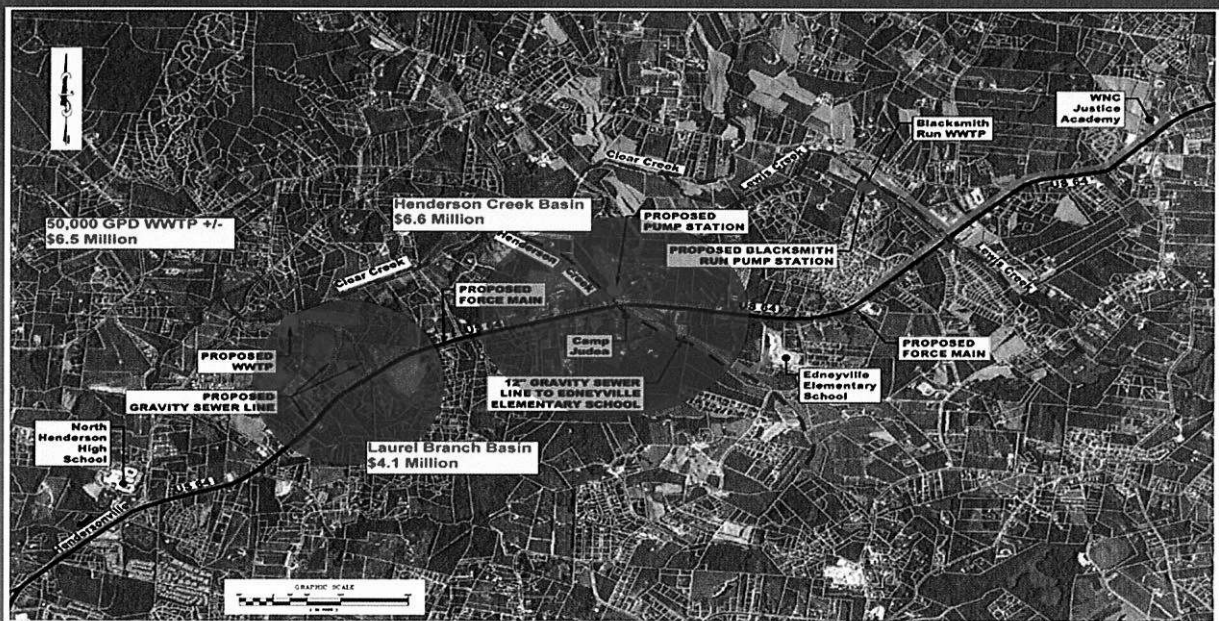
Clear Creek Option 2



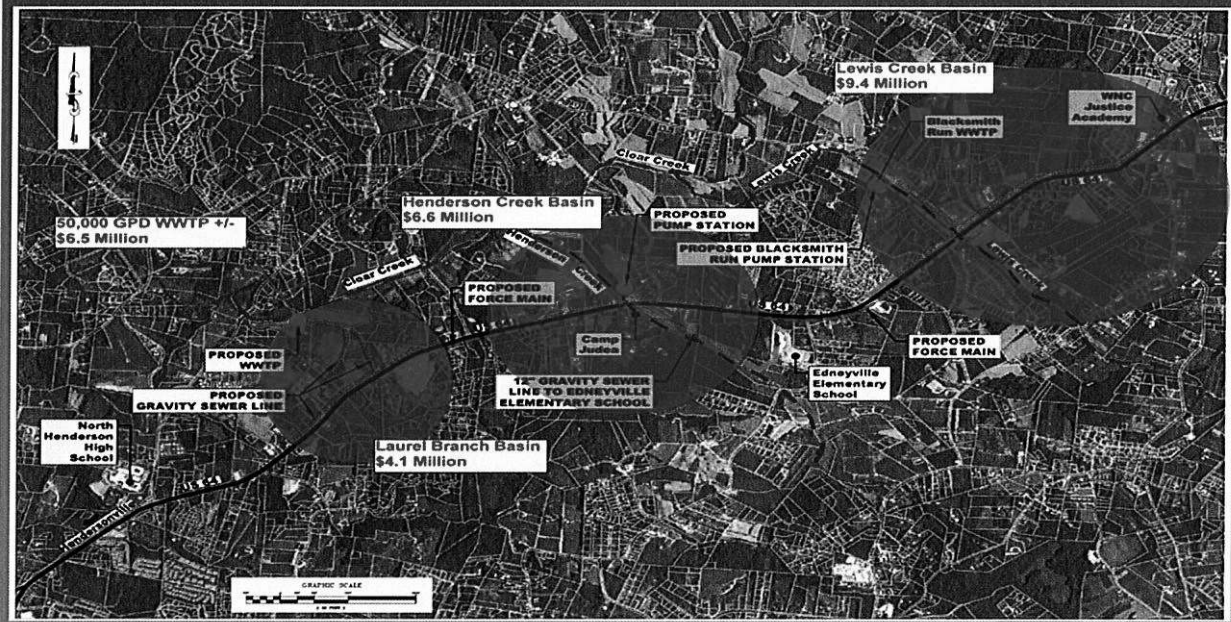
Clear Creek Option 2



Clear Creek Option 2



Clear Creek Option 2



Clear Creek Option 2 Estimated Costs

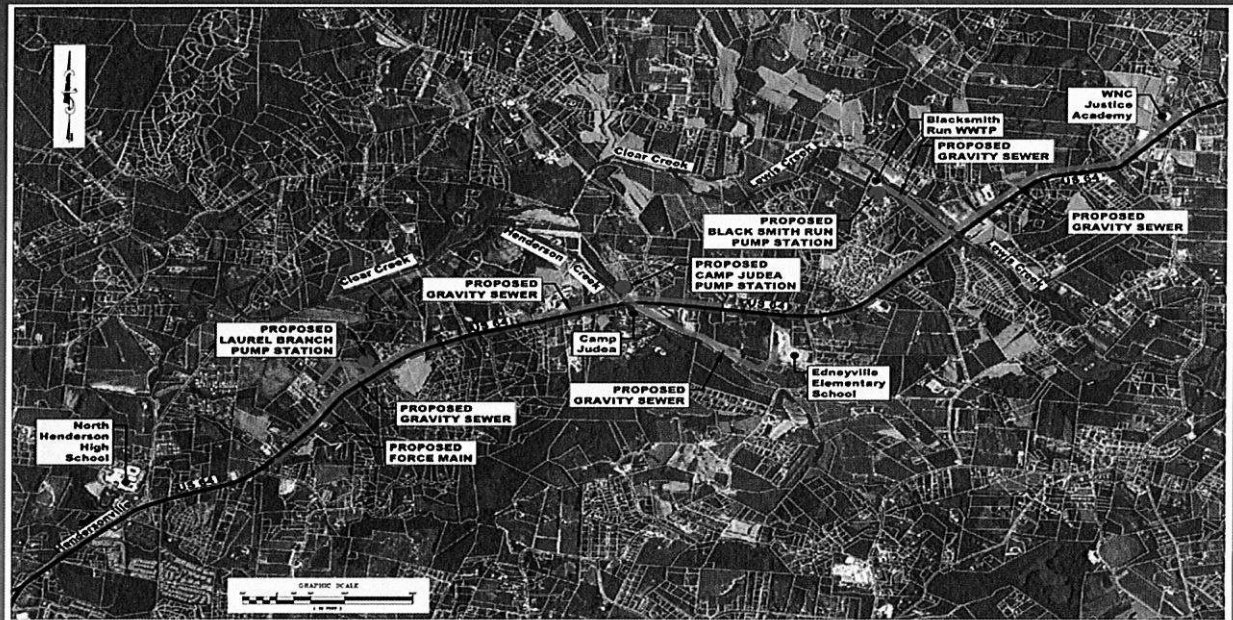
- ◆ Henderson Creek Basin, Laurel Branch Sewer and reduced size WWTP - **\$17.2 Million.**
- ◆ Add Lewis Creek Basin - **\$26.6 Million*.**
- ◆ Only add Justice Academy via pump station and force main (no other users in Lewis Creek Basin) - **\$20.0 Million.**

*Smaller WWTP is not sized to serve Blacksmith Run.

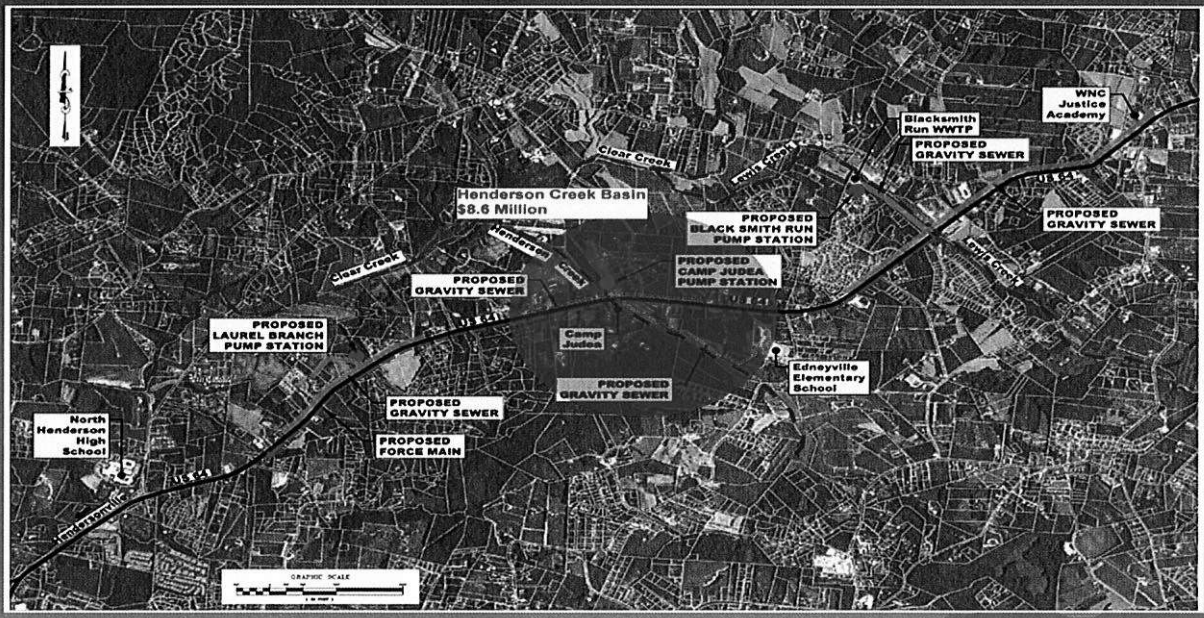
-Operational costs of the system will be challenging with a very limited customer base.

-Will need to reengage with DEQ about conditions of discharge permit.

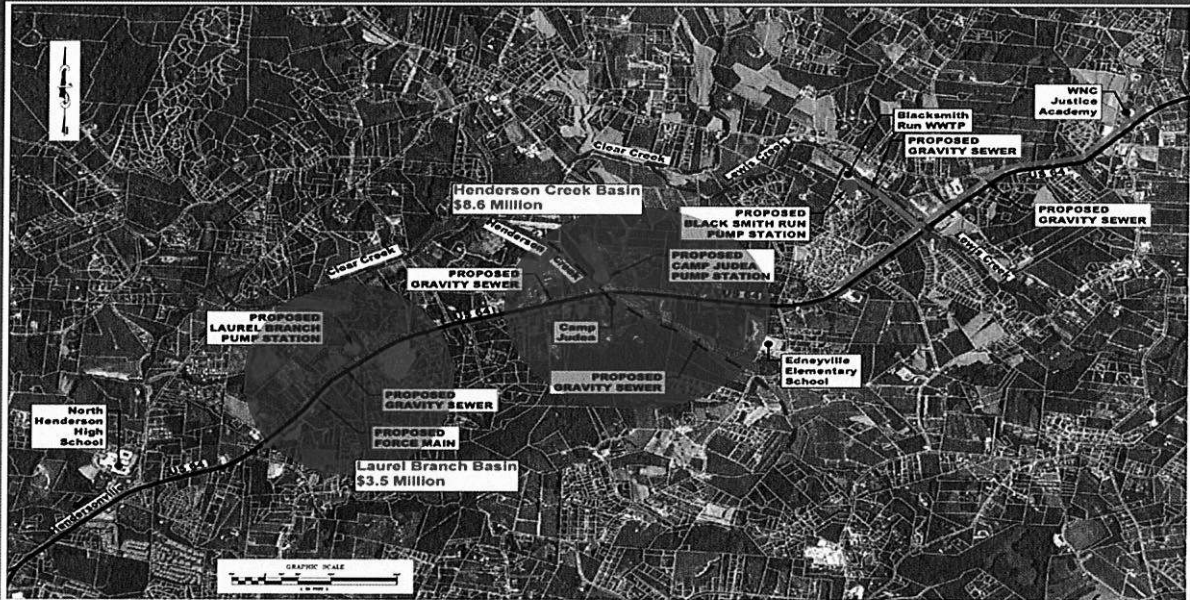
Clear Creek Option 3



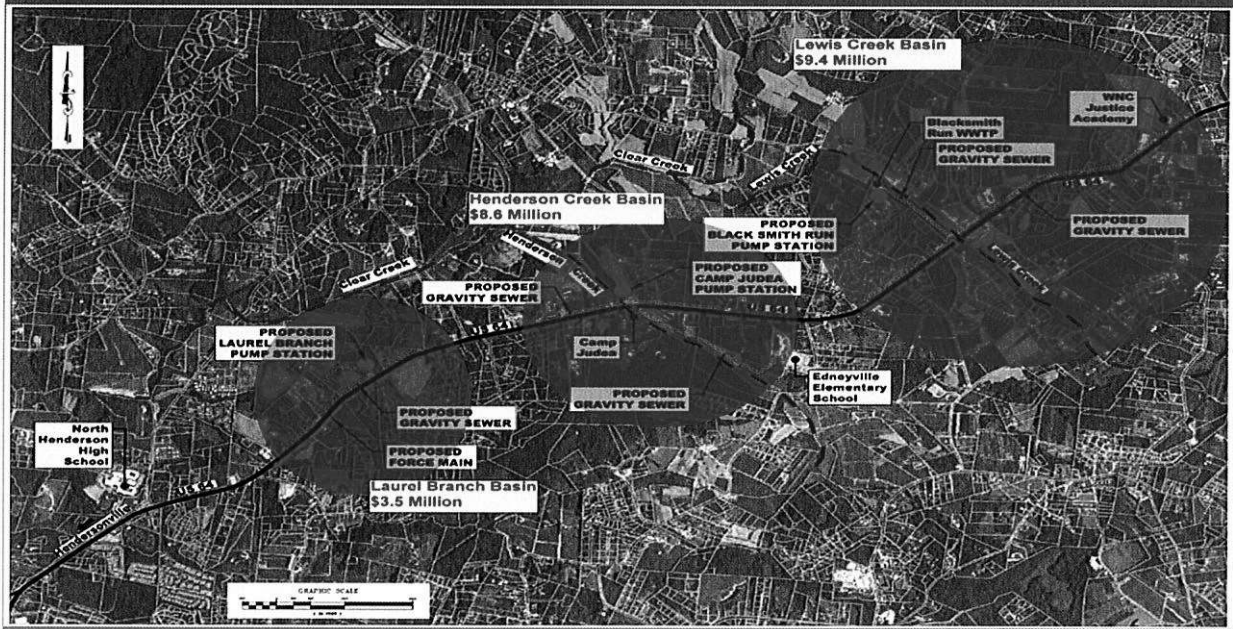
Clear Creek Option 3



Clear Creek Option 3



Clear Creek Option 3



Clear Creek Option 3 Estimated Costs

- ◆ Henderson Creek Basin pump to City of Hendersonville- **\$8.6 Million.**
- ◆ Add Laurel Branch Basin - **\$12.1 Million**
- ◆ Add Lewis Creek Basin - **\$21.5 Million.**
- ◆ Only add Justice Academy via pump station and force main (no other users in Lewis Creek Basin - **\$15.0 Million.**

-Rates would be based on City of Hendersonville "out of City" sewer rates.

-County could dedicate lines to Hendersonville for ownership and maintenance or could own and maintain sewer collection system.

Clear Creek Summary of Options

Clear Creek - Summary of Options

Option	Estimated Costs	Funding Sources
2A Henderson Creek, Laurel Brach & Reduced WWTP	\$17.2 Million	\$12.7M State allocation + \$4.5M County ARPA Funds
2B Henderson Creek, Laurel Brach & Reduced WWTP with addition of Lewis Creek Basin	\$26.6 Million	\$12.7M State allocation + \$9.3M County ARPA Funds \$2M County + \$0.73M Justice Academy (\$1.87M gap in funding)
2C Henderson Creek, Laurel Brach & Reduced WWTP with addition of Justice Academy only	\$20.0 Million	\$12.7M State allocation + \$7.3M County ARPA Funds
3A Henderson Creek pumped to Hendersonville	\$8.6 Million	\$12.7M State allocation
3B Henderson Creek & Laurel Branch pumped to Hendersonville	\$12.1 Million	\$12.7M State allocation
3C Henderson Creek, Laurel Branch & Lewis Creek pumped to Hendersonville	\$21.5 Million	\$12.7M State allocation + \$8.8M County ARPA Funds
3D Henderson Creek, Laurel Branch & Justice Academy pumped to Hendersonville	\$15.0 Million	\$12.7M State allocation + \$2.3M County ARPA Funds

Clear Creek Additional Consideration

- ◆ Cost for WWTP is very high level. We are working with vendors to verify this estimated cost.
- ◆ User fees for WWTP will depend on user base to share operational costs.

Next Steps

- ◆ Need direction from the Board for option to pursue.
- ◆ Time is of the essence to meet funding requirements.
- ◆ Easement acquisition and permitting will take place 3rd Quarter 2024 – 1st Quarter 2025.
- ◆ Bidding and contractor selection will take place over 1st Quarter and 2nd Quarter 2025.
- ◆ Construction scheduled for mid 2025 – end of 2026.

After the options were presented, the Board, Mr. Buie, and Mr. Jones had a lengthy discussion regarding each option.

Mr. Buie noted that there was a \$7.2 million budget gap to fund this project.

Commissioner Lapsley supported Option 2C, while Commissioner Hill supported Option 2B.

Marcus Jones and Mr. Buie informed the Board that a decision must be made by mid-July to use ARPA funds for this project.

NOMINATIONS AND APPOINTMENTS

1. Environmental Advisory Committee – 3 vacs.

Vice-Chair Edney made the motion to nominate Erik Weber for appointment to seat #1, Kevin Burke for appointment to seat #5, and Jane Edgar for appointment to seat #7. All voted in favor, and the motion carried.

2. Fire and Rescue Advisory Committee – 1 vac.

There were no nominations and this item was rolled to the next meeting.