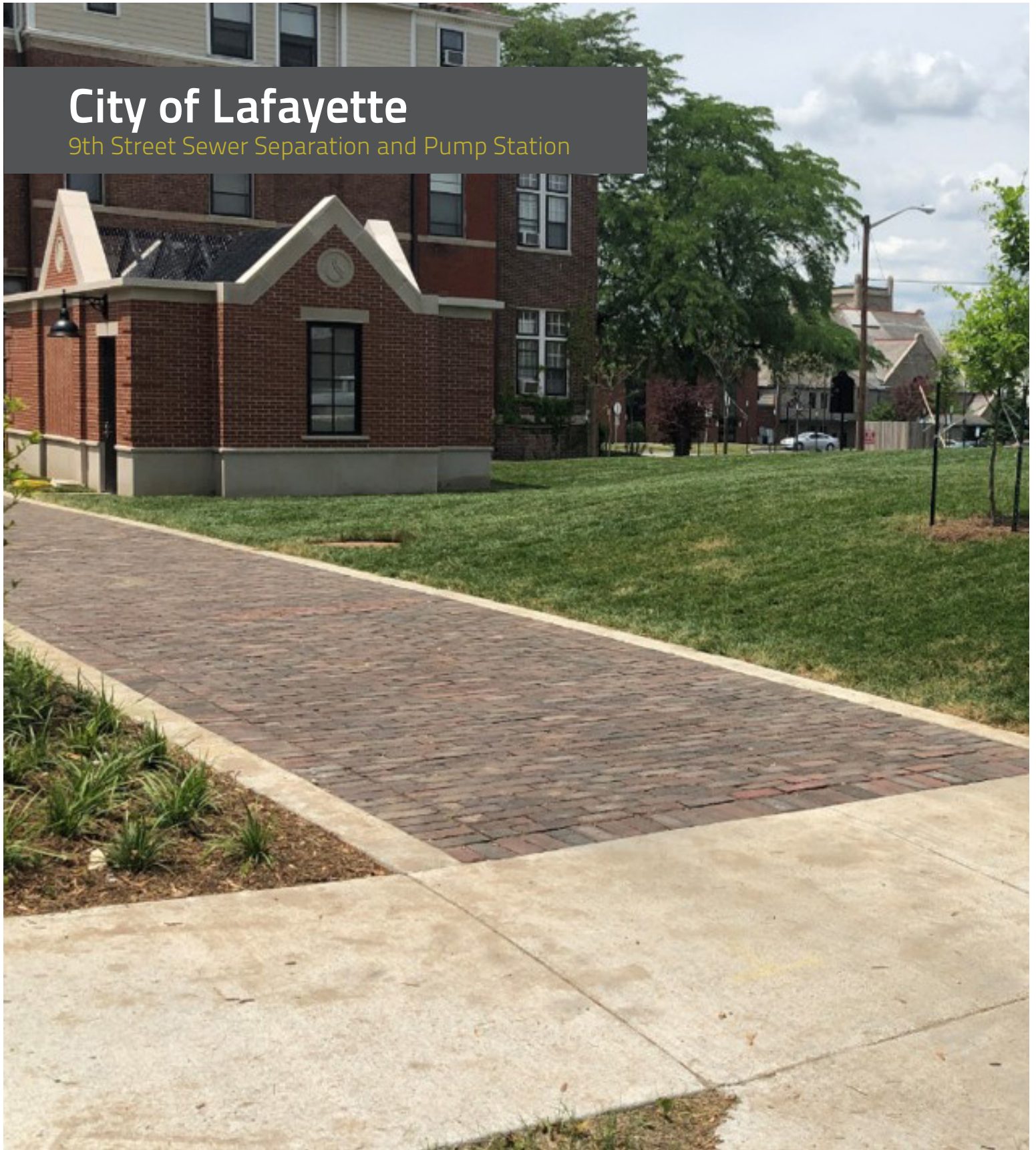


City of Lafayette

9th Street Sewer Separation and Pump Station



Total Contract: \$6,697,500
Project Start: July 2019
Project Completion: September 2020



Resourceful.



Responsive.



Results.



LAFAYETTE
INDIANA



City of Lafayette

9th Street Sewer Separation and Pump Station

Project Size: \$6,697,500 / 2019-2020

The 9th Street Lift Station project was a new storm water lift station, force main, and gravity sewer that separated storm water from the downtown area and the Valley Street neighborhood. This project eliminated major downtown flooding and removed it from the sewer system.

Project Challenges:

- Project required 3 major installations of directional drills for a gravity sewer on a small slope.
- A lift station had to be constructed in the Historic District. This station had to be built to match the architectural requirements of the district while keeping the cost down.
- Excavation in excess of 20' deep had to be dug next to major roadways and historic buildings.

Bowen Resourceful:

- We utilized different shoring methods to reduce the amount of sheet piles that needed to be drove to reduce the risk of vibration to historic buildings. In areas where vibration was used vibration monitors were set up and calibrated to alarm when vibration approached a level where damage could occur to existing structures.

Bowen Responsive:

- The first method of install on the flat directional drill would not work due to ground conditions. Bowen was able to collaborate with the City and the Design Engineers to reconfigure piping so another method of directional drill was used.

Bowen Results:

- The location of where the lift station is used to be an old convience store that was an eye sore for the downtown area. Being able to transform that space to a pocket park and transform the area is what Bowen is most proud of.

PROJECT SCOPE

- Site Work
- Civil / Concrete Work
- Underground Piping
- Mechanical / Piping
- Architectural / Finishing Work

PROJECT SPECS

- 5,000 LF Piping
- 24' Piping

PROJECT TEAM

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