

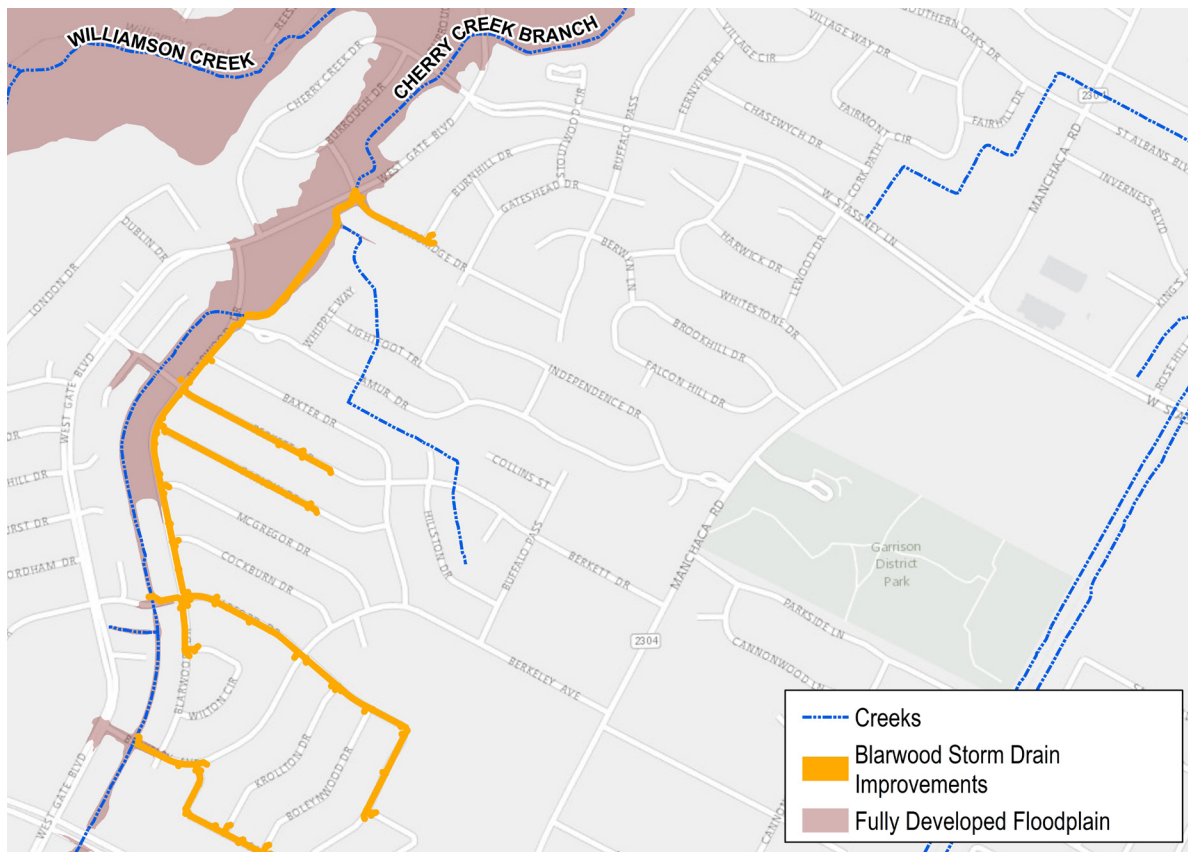


Due to frequent flooding problems during heavy rain, improvements were made to the existing storm drain system to alleviate the flooding of streets, houses, and yards in the neighborhood near Blarwood Drive.



Localized flooding in the Blarwood neighborhood and erosion in the Cherry Creek channel before project construction

The project area consisted of a single-family residential development within the Williamson Creek watershed. This neighborhood was constructed prior to the adoption of modern drainage criteria in 1977, which means that the subdivision was built with inadequate drainage infrastructure. Located near Westgate Boulevard and William Cannon Drive, the project installed storm drain upgrades with advanced design solutions to mitigate localized flooding for nine buildings, twenty-six yards, and four streets.



Blarwood

Storm Drain Improvements



PROJECT IMPROVEMENTS

- Construction of 11,000 linear feet of upgraded storm drain pipes
- Replacement of 4,200 linear feet of water lines
- Replacement of 100 linear feet of wastewater lines
- Streambank stabilization along Cherry Creek from Blarwood Drive to Coatbridge Drive
- Construction of a new outfall on Cherry Creek and repair of the existing culverts
- Installment of numerous new storm drain inlets
- Curb and gutter replacements to reduce ponding water
- Street resurfacing



New reinforced concrete pipe and street resurfacing in the Blarwood neighborhood



Cherry Creek channel capacity was increased from Blarwood Drive to Coatbridge Drive to offset increases in storm-water flow from the new storm drain system to protect downstream properties and structures.

FOR MORE INFORMATION

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