

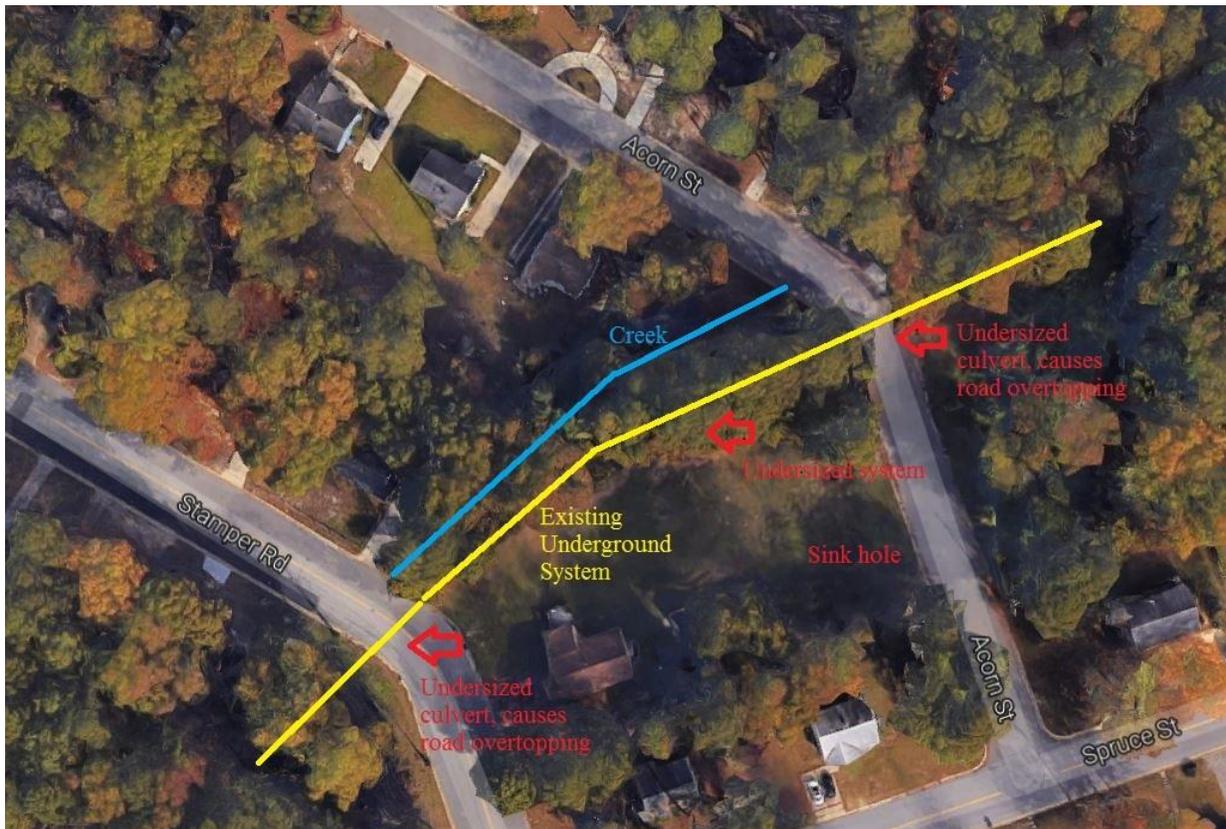
The City of Fayetteville

Hurricane Matthew Recovery – Immediate Need: Spruce Street Storm Drainage System Replacement

Project Description:

Spruce Street is in an older section of Fayetteville developed in 1957 described as Forest Hills. At one time it was the western-most incorporated area of the City of Fayetteville along the Bragg Boulevard corridor to Fort Bragg. This made it a popular area for military and retired military home owners to purchase moderately priced homes within their means.

As the area developed a shopping center and more houses were added upstream. The engineers at the time didn't take into account commercial development; therefore, didn't design for the future storm runoff properly. In addition to that, the climactic changes have caused our rain events and storms to be more intense over time. Flood maps and storm drainage design standards have been updated a few times since the area developed. On October 8, 2016, Hurricane Matthew's high water caused considerable damage to this system and to the surrounding area.



Map of existing undersized pipe location parallel with Spruce Street in Fayetteville's Forest Hills area

The Spruce Street storm drainage project consists of removing approximately 680 feet of existing undersized and failing concrete pipe and the associated catch basins, junction boxes and manholes. In the project the City intends to deepen, increasing the size of the pipe and install new drainage structures to accommodate the new storm design. There will be 48 feet of 15" pipe, 125 feet of 18" pipe, 108 feet of 24" pipe and the major improvement will be the installation of approximately 408 LF of 84" reinforced concrete pipe outfall line where mostly 36", 42" and a short section of 72" pipe existed before. Some of the pipe we are proposing to replace is corrugated metal pipe which is in disrepair and no longer approved for roadway construction. Following the installation of the new pipe and structures, the contractor will replace curb and gutter sections, patch the asphalt, grade and re-seed all disturbed areas or areas that needed to be graded to tie back to existing grade.

The City adheres to all state and federal procurement laws and local purchasing guidelines. Requests for proposals are advertised according to state statutes and City of Fayetteville guidelines. Once RFPs are received they are reviewed for required documentation and the lowest responsive, responsible bidder is selected. The bid is then taken to a regular City Council meeting for approval and award. Following award, the Contractor is given a notice to proceed assuming all insurance and bonds are provided and correct.

Storm drainage pipe removal and installation will be inspected daily by our Construction Management Division. The inspectors ensure that the contractor adheres to the contract documents as specified by the City. Inspectors keep daily logs and are available for inspection anytime during the project. Toward the end of the project, when the contract is substantially complete, the inspector(s) will create a punch list of items that need to be completed. Following the completion of the punch list, the contractor will be issued a notice of completion.

Interested residents or business owners are provided several avenues to voice their opinions concerning the project. Public meetings will be held in the neighborhood prior to the final design and construction begins. Also they are encouraged to contact the City's Engineering and Infrastructure Department, City Council member and public input is available at the first City Council meeting of every month.

This project is a collaborative effort with several entities involved. The City's Engineering and Infrastructure Department will provide the specifications and construction drawing review process for the project and Construction Management Division will provide inspection of the work throughout the project. The City's Purchasing Department will complete the requests for proposals and will pre bid conferences and the Real Estate Division will acquire all needed easements and/or land needed for the project.

The City's Public Works Commission will be consulted when there is any conflict or repairs needed to aerial water and/or sewer lines that are encountered in the creek debris removal process.

The City has appropriated funding for this project and it is not eligible for FEMA reimbursement even though damage occurred during Hurricane Matthew. The desire is to move as quickly as possible on this project to mitigate the possibility of future damage due to water overtopping the roadways during heavy rain events.