

PROJECT PHASES

Planning Phase (Completed March 2007)

The Planning Phase consisted of field surveying, evaluating the existing drainage systems to determine areas of flooding and erosion damage, evaluating alternatives to reduce flooding and erosion, and preparing a final recommendation. After preliminary reviews from the project report and recommendation, CMSWS decided to explore additional alternatives for the project. This project was put on hold in 2007 due to funding constraints.

Design Phase (March 2011 - TBD)

The project began again in 2011. Additional alternatives were evaluated and the selected improvements presented to the neighborhood at a public meeting August 30, 2011.

During the design phase, construction drawings are developed for the selected drainage improvements. Many details must be addressed including utility relocations and easement locations. The design phase of a project typically lasts 21 to 34 months. A public meeting will be held to present the preliminary design to the neighborhood and to assist in starting the property easement/acquisition phase of the project.

Permitting Phase

During the permitting phase, the required permits and encroachments are obtained to construct the project. For this project, these will probably include an NCDOT encroachment agreement, a Duke Power encroachment agreement, and a soil and erosion control permit. The permitting phase of a project typically lasts 3 to 9 months and may overlap other phases.

Property Easement/Acquisition

The City's real estate staff works with citizens and businesses to acquire storm drainage easements. In addition, temporary construction easements may be needed to access work areas. The City requests that

easements be donated to provide access to your property to make the recommended improvements and provide future maintenance. The easement acquisition phase of a project typically lasts 8 to 12 months.

Bid Phase

During the bid phase, the final plans are circulated to qualified contractors for a competitive bidding process. By state law, the lowest responsible bidder is awarded the construction contract. The bid phase of a project typically lasts 4 to 5 months.

Construction Phase

Throughout construction, efforts will be made to minimize disruption to nearby property owners. Construction of proposed improvements will be supervised by City inspectors. Notifications of key construction dates will be mailed to residents prior to construction. For a project of this size, the typical construction phase is about 2 years.



Looking towards the proposed pipe realignment near the intersection of Baxter and McDowell Street.

Myrtle/Morehead

storm drainage improvement project

your storm water fees at work

September 30, 2011

Dear Resident,

Charlotte Mecklenburg Storm Water Services held a public meeting on August 30, 2011 at Covenant Presbyterian Church for the Myrtle/Morehead Storm Drainage Improvement Project. The goal of this project is to improve storm drainage infrastructure in order to reduce flooding of streets and structures.

The Project Team presented recommended storm drainage improvements, discussed the project status and received project input from local residents and property owners.

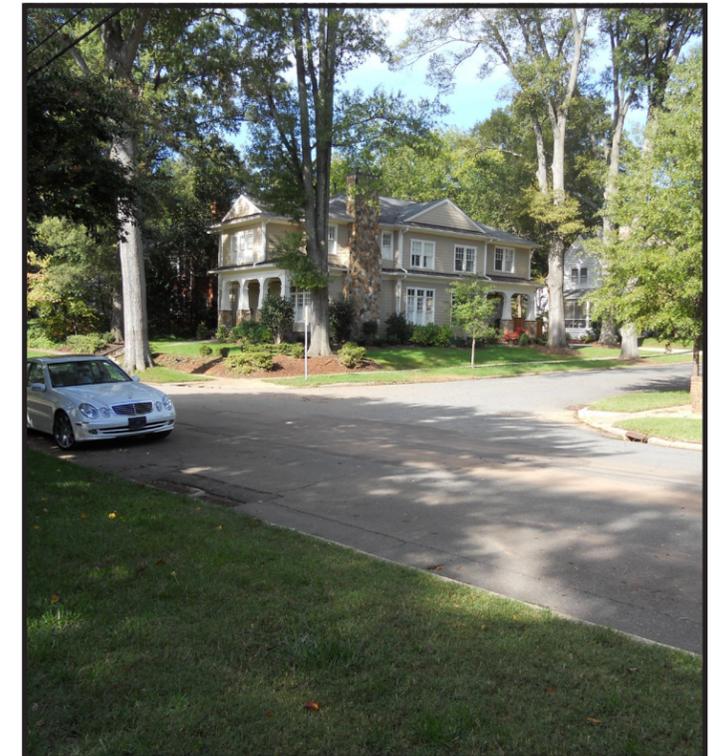
Meeting highlights:

- Kate Labadorf gave an update on the project since the last public meeting in April 2005. The project was put on hold in 2007 due to lack of funding. Now that funding is in place, the project is proceeding into the design stage with the goal of completing construction in the fall of 2016.
- Chip Smith, engineering consultant with Woolpert, described the project's boundaries and reviewed the existing storm system and known flooding issues in the watershed. He described the proposed storm drainage improvements within the project area highlighting changes from what was presented at the 2005 public meeting. Please refer to the next page for a map and descriptions of the proposed improvements.
- Kate Labadorf discussed the next steps of the project. See the back of this mailer for information about the project phases.
- The next public meeting will be held at the 70% design stage of the project.
- A question/answer session was held at the end of the presentation.

If you have any questions about this project, please contact Project Manager Kate Labadorf at klabadorf@charlottenc.gov or 704-336-3653. For more information about this project, detailed meeting minutes and map of the recommended storm drainage improvements, please visit our website at <http://stormwater.charmeck.org> and click on Storm Water Projects drop down menu in the green bar, then Active Projects and Myrtle/Morehead.



Low point on Euclid Avenue.



Low point at Myrtle Avenue and Templeton Street.

To report pollution or drainage problems, call 3-1-1.



PROPOSED STORM DRAINAGE IMPROVEMENTS

Primary Drainage System

There is a low point in South Boulevard near Caldwell Street that collects storm water from several different directions. The Myrtle/Morehead proposed improvements start at this point and move down through the watershed towards Little Sugar Creek. One focus of this project is to evaluate and improve the primary drainage system that conveys the water from South Boulevard to Little Sugar Creek. The map shows the proposed improvements in red for the primary system.

South Boulevard, Caldwell Street and Euclid Avenue

In 2001/2002, a new drainage pipe was installed under South Boulevard. This pipe is sufficient to handle the water draining to it but the pipes immediately downstream still need to be replaced with larger pipes. The existing drainage system starting at Caldwell Street and South Boulevard through the Strawn Apartments is undersized, in poor condition and located very close to several structures. Structure flooding has occurred in this area. We are coordinating with the Charlotte Housing Authority on a new alignment through their property to Euclid Avenue.

Euclid Avenue and Templeton Avenue

The existing drainage system is undersized and may actually be underneath a couple of buildings. Euclid Avenue and several nearby buildings have flooded previously. The proposed larger drainage system will follow a new alignment because of the construction issues associated with following the current alignment. The proposed drainage system will start near the low point at Euclid Avenue to Templeton Avenue and then down Templeton Avenue to Myrtle Avenue. Portions of the existing system will remain in service.

Lexington Avenue and Myrtle Avenue

The existing drainage system is underneath a building and is also undersized. Over the years, Myrtle Avenue and several structures have flooded. The proposed drainage system will follow a new alignment because of the limited area and construction issues associated with following the current alignment. The proposed drainage will start near the intersection of Templeton Avenue and Myrtle Avenue to Lexington Avenue and then down Lexington Avenue to Oriole Street. Portions of the existing system will remain in service and will connect to the proposed drainage system near the intersection of Lexington Avenue and Oriole Street.

Oriole Avenue, Morehead Street, McDowell Street and Baxter Street

The existing drainage system is underneath several buildings, is undersized, and portions of it are in poor condition. The proposed drainage system will follow a new alignment because of the construction issues associated with following the current alignment. The proposed drainage system will start at the intersection of Lexington Avenue and Oriole Avenue, crossing under Morehead Street, down McDowell Street between Morehead and Baxter then turning parallel to Baxter Street and connecting to the existing system.

Myrtle/Morehead Project Map



Street Drainage

In addition to improving the primary drainage system, the Myrtle/Morehead project also proposes to improve the street drainage in the neighborhood. Specifically, evaluating the location of catch basins and the size of the associated pipes designed to capture and convey water that falls or drains to the streets. The map shows the proposed improvements in orange for the street drainage.

Cleveland Avenue, East Park Avenue, Rensselaer Avenue and Strawn Apartments

Additional drainage pipes, upsized pipes and additional catch basins are proposed for Cleveland Avenue, East Park Avenue and Rensselaer Avenue. These proposed systems are designed to capture and convey water from the streets. This area drains towards the Strawn apartments connecting to the drainage system from South Boulevard. The existing drainage system at the Strawn Apartments is undersized and located very close to several structures. We are coordinating with the Charlotte Housing Authority on a new alignment through their property.

Euclid Avenue and Mount Vernon Avenue

Additional drainage pipes, upsized pipes and additional catch basins are proposed for Euclid Avenue between Berkley Avenue and Lexington Avenue and along Mount Vernon Avenue. These proposed systems are designed to capture and convey water from the streets.

Myrtle Avenue, Berkley Avenue and Mount Vernon Avenue

Additional drainage pipes, upsized pipes and additional catch basins are proposed for Myrtle Avenue between Berkley Avenue and Lexington Avenue and along Berkley Avenue and Mount Vernon Avenue. These proposed systems are designed to capture and convey water from the streets.

Lexington Avenue and Mount Vernon Avenue

Additional drainage pipes, upsized pipes and additional catch basins are proposed for Lexington Avenue at the intersection with Mount Vernon Avenue, along Mount Vernon Avenue to Carlton Avenue and along Lexington Avenue to Oriole Street. These proposed systems are designed to capture and convey water from the streets.