

Kenilworth/Romany

storm drainage improvement project

your storm water fees at work

Within the last year, Storm Water fees...

Funded 57 Capital Improvement Projects and protected the water quality of more than 3,000 miles of streams and shoreline.



The Upper Stoney Creek stream restoration project will improve water quality, enhance forested riparian areas and protect aquatic habitat.

Learn more about Storm Water projects by visiting <http://stormwater.charmeck.org> and clicking on Storm Water Projects.

Fees included funding of the Upper Stoney Creek Stream Restoration near Mallard Creek Church Road. In addition to reconstructing open channel areas, boulders and logs were added to reduce bank erosion during large storm events.

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



February 17, 2012

Dear Resident,

Charlotte-Mecklenburg Storm Water Services held the first public meeting on January 17, 2012 at Dilworth United Methodist Church for the Kenilworth/Romany Storm Drainage Improvement Project. The goal of this project is to improve the storm drainage infrastructure in order to reduce flooding of streets and structures.

The purpose of this meeting was to present the results of storm drainage system existing condition analysis, discuss the project status and schedule and to receive input from local residents and property owners concerning the modeled results. Due to low attendance at the meeting, individual informal discussions were held with the residents that attended in lieu of the planned formal presentation.

The planned meeting agenda included the following:

- Introductions – Introduce David Baker, Project Manager, and the project team members from the consultant, Armstrong Glen, P.C.
- Meeting Purpose – Explain that the purpose of the meeting is to present the results of the existing conditions analysis and receive input from local residents and property owners.
- Charlotte-Mecklenburg Storm Water Services Overview – Provide a brief overview of Storm Water Services including its intended purpose and how it is funded.
- Project Information – Review the project limits and history. The project limits are defined by the area that drains to Romany Road/Harding Place and empties into Upper Little Sugar Creek behind 1416 E. Morehead Street. Armstrong Glen to present the modeling results of the existing conditions analysis. Please refer to the inside of this mailer for a map and list of storm drainage system deficiencies.
- Project Phases – Refer to the inside of this mailer for information about the project phases.
- General Questions and Comments – Answer general questions from citizens.

For more information about this project, please visit our website at <http://stormwater.charmeck.org> and click on **Storm Water Projects, Active Projects** and then **Kenilworth/Romany**.

If you have any questions about this project, please contact the Project Manager, David Baker, at dtbaker@charlottenc.gov or 704-432-5569.



Project Phases

A general description and range of typical time frames for project phases is given below. Specific work is conducted during each phase while an emphasis is made on public involvement throughout the entire project. Public meetings will continue to be held throughout the project with the local residents and property owners to present the planning and design information and to receive input.

Planning Phase (May 2011 – TBD; 18 to 27 months)

During the planning phase, public meetings are used to obtain input from property owners. Several improvement alternatives are developed and evaluated to determine the best solution. A recommended alternative is presented to the public for comment at the end of the planning phase.

Design Phase (18 to 30 months)

During the design phase, construction drawings are developed for the alternative selected during the planning phase. Many details must be addressed including the determination of channel widths, channel lining types, optimal pipe locations, utility relocations, and easement locations.

Permitting Phase (3 to 9 months)

The permitting phase runs concurrently with the design phase. During the permitting phase, the required water quality permits are obtained from Federal and State government agencies. Other permits such as permission to work within railroad and NCDOT rights-of-way may also be obtained during this phase if necessary.

Easement Acquisition Phase (8 to 12 months)

The easement acquisition phase also runs concurrently with the design phase. We will have a third public meeting after we complete our preliminary design plans to kickoff the easement acquisition phase. During the easement acquisition phase, the City's real estate staff will work with citizens and businesses to acquire easements. The City requests that easements be donated to provide access to your property to construct the storm drainage improvements and provide future maintenance. The bid phase will begin after all easements are acquired.

Bid Phase (4 to 5 months)

During the bid phase, the final plans will be circulated to qualified contractors for a competitive bidding process. By state law, the lowest responsible bidder is awarded the construction contract.

Construction Phase (1 year to over 2 years)

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.

Kenilworth/Romany Project Map



Existing Conditions Analysis Results:

The consultant, Armstrong Glen, P.C., used the collected field survey and industry standard storm water modeling software to analyze the Kenilworth/Romany drainage area. A summary of the storm water system deficiencies are highlighted on the map and listed below.

Pipe Capacity Failures

Existing storm drainage pipes that do not have the capacity to convey the current City Design Standard, the 10-year storm event (a rainfall event which has a 10% chance of occurring any given year).

- Pipe system under 1416 E. Morehead Street from the open channel to Upper Little Sugar Creek.
- Pipe System along Romany Road from Kenilworth Avenue intersection to the open channel adjacent to 1515 Harding Place.
- Pipe System along Kenilworth Avenue from Buchanan Street to the Romany Road intersection.

- Pipe System along Kenilworth Avenue from 1200 Kenilworth Avenue to the Romany Road intersection.
- Pipe System at intersection of Romany Road and Linganore Pl.
- Pipe System along Buchanan Street from 1212 Buchanan Street to Waverly Avenue.
- Pipe System along Waverly Avenue from Buchanan Street to Latta Park.
- Pipe System from low point in Buchanan Street, under St. Patrick's Catholic School, to Latta Park.
- Pipe System from Dilworth Road and Romany Road intersection, under the Latta Park recreation fields, to the open channel in Latta Park.
- Pipe System along Berkeley Avenue from Lexington Avenue to the Dilworth Road.

- Pipe System along Dilworth Road from Berkeley Avenue to the Romany Road intersection.
- Pipe System along Dilworth Road East from Buchanan Street to the Romany Road intersection.
- Pipe System along Dilworth Road West from East Blvd. to the Romany Road intersection.
- Pipe System along East Blvd. from Winthrop Avenue to Park Road.
- Pipe System along Park Road from East Blvd. to E. Park Avenue.
- Pipe System along Springdale Avenue from 1715 Springdale Avenue to the E. Kingston Ave. intersection.
- Various Pipe Systems from Romany Road, Myrtle Avenue, and E. Park Avenue to the open channel at the upstream end of Latta Park.

Street Flooding

Street flooding during the 10-year storm event (a rainfall event which has a 10% chance of occurring any given year). Street flooding shown is directly caused by pipe capacity failure.

- Romany Road from Kenilworth Avenue intersection to 1515 Harding Place.
- Kenilworth Avenue from Buchanan Street to 1200 Kenilworth Avenue.
- Buchanan St. from 1212 Buchanan St. to Waverly Ave.
- Waverly Avenue from Buchanan Street to Latta Park.
- Buchanan Street at low point in front of St. Patrick's Catholic School.
- Romany Road from Dilworth Road intersection to Linganore Place.
- Berkeley Ave. from Lexington Ave. to the Dilworth Rd.
- Dilworth Road from Berkeley Avenue to the Romany Road intersection.
- Dilworth Road East from Buchanan Street to the Romany Road intersection.
- Dilworth Road West from East Boulevard to the Romany Road intersection.
- East Boulevard from Winthrop Avenue to Park Road.
- Park Road from East Boulevard to E. Park Avenue.
- Springdale Avenue from 1715 Springdale Avenue to the E. Kingston Avenue intersection.
- E. Park Avenue at 510 E. Park Avenue.
- Myrtle Avenue at intersection with Romany Road.

Structure Flooding

Structure flooding during the 100-year storm event (a rainfall event which has a 1% chance of occurring any given year).

- 1125 Buchanan St. (St. Patrick's Catholic School)
- 1420 Waverly Avenue
- 1417 Waverly Avenue
- 1306 Kenilworth Avenue
- 1308 Kenilworth Avenue
- 1515 Harding Place
- 1400 E. Morehead Street
- 1416 E. Morehead Street