

Anywhere it rains, it can flood.

Pay attention to flood watches and warnings.
Be ready to move to higher ground.
Buy flood insurance.
Don't walk or drive through flood water.

**The risk is real.
Be prepared.**



<http://stormwater.charmeck.org>

McAlway/Churchill

storm drainage improvement project

your storm water fees at work

August 12, 2011

Dear Resident,

Charlotte-Mecklenburg Storm Water Services held the second public meeting on July 28 at Trinity Presbyterian Church for the McAlway/Churchill 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. In addition, channel improvements may be made to increase capacity and/or to reduce erosion.

The purpose of this meeting was to present our recommended storm drainage improvements, discuss the project status and schedule and to receive input from local residents and property owners. Meeting highlights:

- David Baker introduced himself as the new Project Manager taking over for Kate Labadorf.
- David Baker briefly reviewed the project scope, goals and history.
- Karl Dauber, Project Manager for our design consultant PB, presented the recommended storm drainage improvements using a map of the watershed. Please refer to inside map for a list of recommended storm drainage improvements.
- David Baker discussed the next steps of the project. Refer to inside mailer for information about the project phases.
- Project updates will continue to be mailed quarterly to keep citizens informed of progress.
- A question/answer session was held at the end of the presentation.

For more information about this project, detailed meeting minutes and a detailed 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 **McAlway**.

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



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

Storm Water Services
600 E. Fourth Street
Charlotte, NC 28202



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 affected property owners to present the planning and design information and to receive input.

Planning Phase June 2009 - September 2011

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 21 to 27 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 and lining types, 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 governments. 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.

McAlway/Churchill Project Map



Recommended Storm Drainage Improvements:

Karl Dauber with PB presented the recommended storm drainage improvements using a map of the watershed with the improvements highlighted. The watershed is about 320 acres or 0.5 square miles.

Upstream/ East of Randolph Road

- Re-grading of the overbank and removal of debris and vegetation along the stream behind 415 and 425 Ashworth Road and beside 3931 Melchor Avenue
- Installation of curb and gutter and upgrade the storm drainage system at and near the low point of Ashworth Road
- Upgrade the storm drainage system between 425 and 501 Ashworth Road and between 422 and 500 Ashworth Road

- Replace inlet at the low point of Ellsworth Road with a more hydraulically efficient inlet
- Re-grade and lower channel at 4131 Faulkner Place
- Upgrade roadway culvert on Faulkner Place
- Re-grade channel and upgrade driveway culvert between 4116 and 4126 Faulkner Place
- Upgrade the storm drainage system that starts behind 4121 Melchor Avenue, runs between 4121 and 4109 Melchor Avenue, crosses under Melchor Avenue, runs between 4100 and 4018 Melchor Avenue and ends at 4010 Melchor Avenue
- Stabilize the eroding channel at 4010 Melchor Avenue and 4014 Churchill Road

- Upgrade the driveway culvert for 3946, 3954 and 4000 Churchill Road parallel/common driveways
- Upgrade the storm drainage system between 229 & 237 N. Canterbury Road and between 237 N. Canterbury Road and 336 Anthony Circle
- Upgrade the storm drainage system and re-grade the roadside ditches from 336 Anthony Cr. to 300 Anthony Circle. Remove debris and vegetation in channel between 301 and 321 Anthony Circle
- Upgrade the storm drainage system and driveway culverts and re-grade the roadside ditches along Barmettler Drive from 245 Anthony Circle to 3946 Churchill Road
- Upgrade the culvert under Churchill Road near the intersection with Barmettler Drive
- Upgrade the storm drainage system at the low point in Churchill Road
- Armor the channel along the structure at 3909 Churchill Road and at the intersection with the downstream channel behind 324 Wendover Hill Court
- Replace and raise driveway bridge at 342 Wendover Hill Ct.
- Re-grade and reestablish ditch that runs between 131 & 137 N. Canterbury Road to storm drainage system inlet
- Upgrade the storm drainage system that starts behind 3924 Suffolk Place, runs between 3916 and 3924 Suffolk Place, crosses under Suffolk Place, runs between 1029 Coddington Place and 3915 Suffolk Place and ends near the property line with 1023 Coddington Place (system recently completed by SWS maintenance team)
- Upgrade the driveway culvert for 3800 Churchill Road
- Upgrade the storm drainage system inlet pipe at the intersection of N. Wendover Road and Churchill Road
- Acquire easements upstream of Randolph Road and N. Wendover Road to preserve existing natural storm water storage areas. Re-grade the area upstream of Randolph Road to increase storage area in order to decrease downstream flood flows.

Downstream/West of Randolph Road

- Stabilize the eroding channel at 107, 127 and 205 Meadowbrook Road
- Construct a storm water diversion on the Meadowbrook Road channel at 235 Meadowbrook Road. The diversion will bypass storm water during large storm events under Meadowbrook Road to a bypass culvert along the west side of Preserve Place to a controlled discharge point just north of the cul-de-sac. The diverted flow will be dispersed into the existing floodplain of Briar Creek.
- Upgrade the storm drainage systems at the low points of Sedgewood Circle near the intersections with Sedgewood Forest Lane and Eastover Hills Court
- Install a new storm drainage system to collect runoff at the low point of Hearthstone Court and upgrade receiving storm drainage system along Meadowbrook Road from Hearthstone Court to 401 Meadowbrook Road
- Reestablish the existing ditch between 325 and 331 Meadowbrook Road