

TURN AROUND. DON'T DROWN.

BE PREPARED FOR FOR A FLOOD

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

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

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

McAlway/Churchill

storm drainage improvement project

your storm water fees at work

April 9, 2010

Dear Resident,

Charlotte-Mecklenburg Storm Water Services held the first public meeting on March 9, 2010 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 meeting presented general project information on Storm Water Capital Improvement Projects and discussed existing storm water issues within the project area. Meeting highlights:

- Kate Labadorf, Project Manager, provided general information and briefly reviewed the project scope and goals.
- Karl Dauber, Project Manager for our design consultant PB, discussed the existing conditions analysis. Please refer to inside mailer for potential drainage issues.
- Kate Labadorf discussed the project's next steps. Refer to the inside right about the project phases.
- Project updates will be mailed quarterly to keep citizens informed of progress.
- A question/answer session was held.

For more information about this project or detailed meeting minutes, please visit our website at <http://stormwater.charmeck.org> and click on **Storm Water Projects, Storm Water Projects** again, then **McAlway**.

If you have any questions about this project, please contact Project Manager, Kate Labadorf, at 704-336-3653 or klabadorf@charlottenc.gov.



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 - TBD

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. The planning phase of a project typically lasts 12 to 27 months.

Design Phase 21 to 34 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

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.

Property Easement/Acquisition 8 to 12 months

The City's real estate staff works with citizens and businesses to acquire either Conservation Easements or Storm Drainage Easements. In addition, temporary construction easements may also 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 bid phase will begin after all easements are acquired.

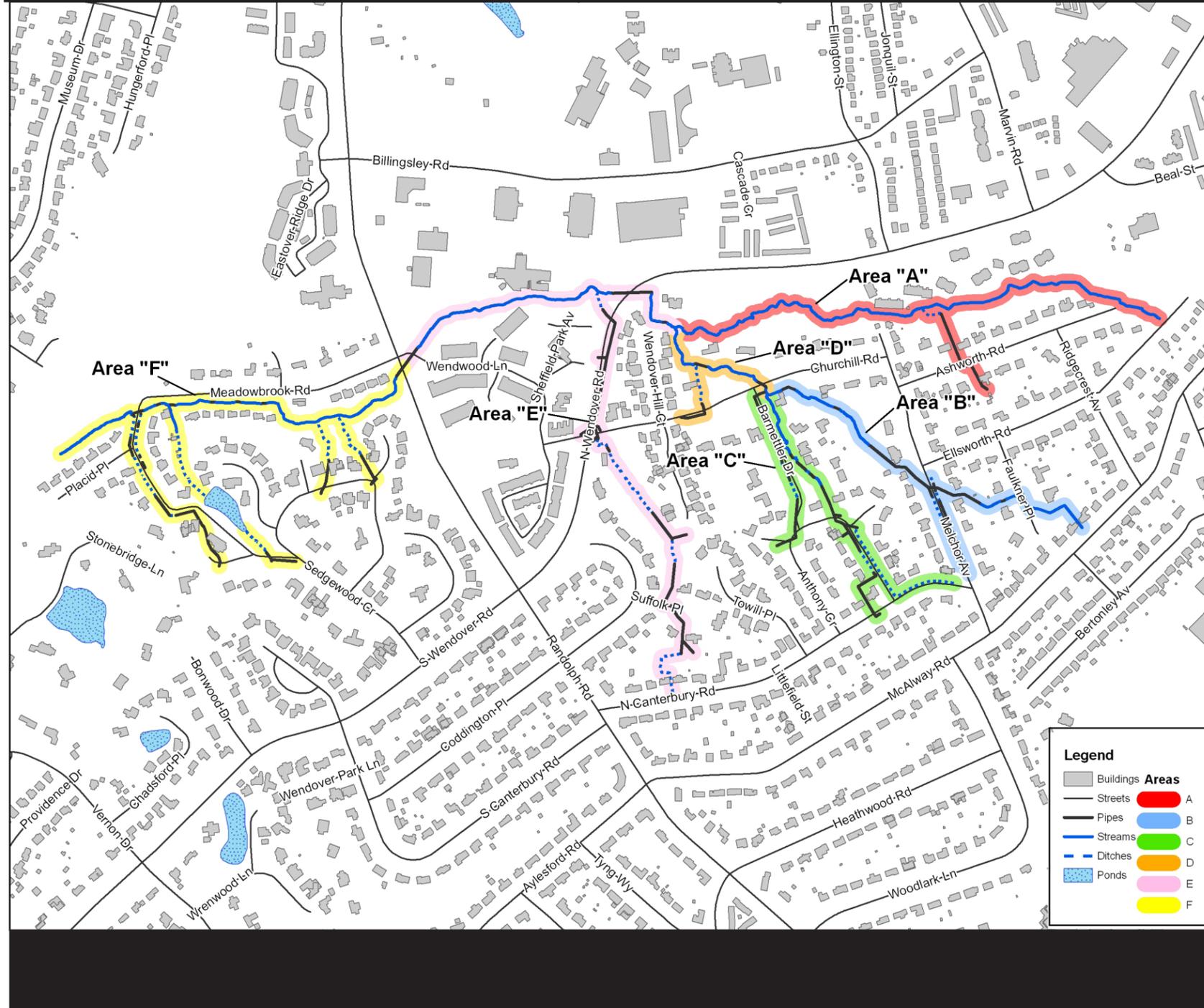
Bid Phase 4 to 5 months

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 3 months 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



Potential Drainage Issues:

Karl Dauber with PB summarized the findings of the existing conditions analysis by highlighting the problems found in the different project areas within the watershed. The watershed is about 320 acres or 0.5 square miles.

Area A

- Potential flooding impacts to an apartment building along Wendover Road.
- Undersized system from Ashworth Road, potential street and garage flooding.

Area B

- Some driveway culverts and drainage systems through properties along Faulkner Place and Melchor Avenue are undersized, potential structure flooding.
- Some pipes along Melchor Avenue are undersized, potential street flooding.

Area C

- Houses sit high above the stream along Barmettler Avenue; driveway culverts have adequate capacity and meet City standards. However, some erosion issues exist. There is evidence of past stabilization work.
- Pipes from Canterbury Road were rotted out and too small, potential structure flooding.
- Undersized systems from Anthony Circle, potential street flooding.
- Undersized pipes and ditches along west side of Barmettler Avenue, potential street flooding.

Area D

- Church Road culvert is undersized causing potential flooding to nearby residence.
- Undersized driveway culvert downstream of Churchill Road, potential garage flooding.
- Drainage problem at intersection of Wendover Hill Court and Churchill Road, potential street flooding.
- Ditch from Churchill Road next to residence is too small causing potential structure flooding.

Area E

- Undersized system at Suffolk Place and undersized ditches downstream of Suffolk Place causing potential street flooding and potential structure flooding.
- Potential flooding at Wendover Road low point.
- Culverts under Wendover Road and Randolph Road meet City standards.

Area F

- Most driveways along Meadowbrook Road may overtop during storm events.
- Along Placid Place and Meadowbrook Road, driveway culverts and roadside ditches are too small, potential street flooding.
- Systems from Sedgewood Circle are undersized, potential street flooding.
- Unknown private system from Hearthstone Court, potential street flooding.
- Sedimentation build-up at Meadowbrook Road culvert.
- Some homes along Placid Place and Meadowbrook Road are in the Briar Creek floodplain.