



# *Armstrong Glen, P.C.*

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## **MEETING MINUTES**

**Subject:** Gaynor Storm Drainage Improvement Project Public Meeting #2

**Date:** December 13, 2010 6:30 – 8:30 PM

**Location:** Trinity Presbyterian Church (Providence Road)

**Conducted by:** Corky Botkin (City Project Manager)  
Doug Lozner (Watershed Area Manager)  
Josh Letourneau (AG Project Manager)  
Andy Litten (AG Project Engineer)

**Minutes by:** Josh Letourneau

**Attendees:** 7 homes, 9 total attendees

The City Project Manager, Corky Botkin, opened the meeting and introduced the project and project team. Corky explained that the City's design consultant, Armstrong Glen, has just completed the Alternatives Analysis phase of the project and have developed proposed storm drain improvements for the neighborhood. The purpose of this meeting was to explain the project goals and timeline to community members and to obtain citizen input on the proposed improvements. Corky goes on to talk about the Charlotte-Mecklenburg Storm Water Services program and why the Gaynor project was created. Corky then introduced Andy Litten from Armstrong Glen, who briefly presented a summary of the existing flooding issues within the neighborhood, and conceptual slides indicating areas to receive proposed improvements (see attached slides). Andy presented how alternatives were developed, considered, and what the design goals were.

### Brief Summary of Proposed Improvements

#### **Slide 1 – Hunter Lane Culvert, Gaynor Pipe System, Hardwick Pipe System**

- Hunter Lane culvert will be upsized to provide 100-year storm protection from road overtopping.
- A bypass pipe is proposed along Gaynor Road to carry most of the runoff away from the houses at 4822, 4900, and 4910 Gaynor Road. The bypass pipe will be constructed along the center of Gaynor Road, and continue along Chillingworth Lane, before discharging into the open channel at 420 Chillingworth Lane.
- The Hardwicke pipe system will be upsized to reduce roadway flooding, thus preventing runoff from traveling towards the Gaynor pipe system.

### **Slide 2 – Gaynor Pipe System, Merwick/Barwick Pipe System**

- The Gaynor pipe system will be upsized between the houses at 4811 and 4819 Gaynor Road. The existing pipe system will be abandoned as shown on slides.
- Due to severe road flooding at the intersection of Merwick Circle and Barwick Road, the existing pipe at 531 Merwick will be upsized, as well as storm drain along Barwick Road.

### **Slide 3 – Linda Lane Pipe System**

- The pipe system between Queen Charlotte Court and Linda Lane will be upsized to provide relief from structural flooding. The pipe system along Linda Lane will be replaced due to the poor quality of the existing pipe.

### **Slide 4 – Hardwick Road Pipe System, Sharon Amity Road Pipe System**

- The Hardwicke pipe system will be upsized to reduce roadway flooding, thus preventing runoff from traveling towards the Gaynor pipe system.
- The pipe system between N. Sharon Amity Road and Gaynor Road will be upsized to prevent flooding concerns.
- The pipe system crossing N. Sharon Amity Road will be upsized (and reconfigured) to reduce road flooding.
- The pipe system along Colwick Road will be upsized to prevent road flooding.

Corky then presented stream stabilization slides, illustrating possible measures to help with the severe erosion issues within the project's limits. Corky summarized the remaining phases of the project and that the next public meeting will occur once 70% design plans are complete.

Corky then invited the attendees to present their comments, concerns, and ideas about the project and drainage issues in the area. The following summarizes the information received by the residents during the question/answer period and from post presentation discussions:

4919 Hardwicke Road: Owner wanted to know if the City was going to take any of his land. Andy mentioned that work is not being proposed on this property. Owner is not happy that the City is spending so much money to upsize the storm system for a storm event that rarely happens. Doug stated that the Charlotte area had experienced a couple of 100-year storm events over the past few years. Owner was happy that additional inlets would be installed along Harwicke Road.

4810 Gaynor Road: Owner explained that runoff originates from Hardwick Road and goes between his house and 4818 Gaynor Road. Andy stated that the proposed storm drain improvements along Hardwick Road will reduce the overland flow, but will not address "local" runoff. Owner wanted to know why the Hardwick system was not being designed for the 100-year storm. The City explained that the budget is limited, and that severe structural flooding was not an issue for the 100-year storm event.

Owner wanted to know why the project will take 3-4 years before construction can begin. Corky stated that the City is trying to fast track this project, but the steps that need to be followed take time. Corky mentioned that typical projects like Gaynor normal would take 6-7 years from start to finish.

After the presentation, the Owner explained that the flow between his house and 4818 Gaynor Road was quite brisk. He stated that sometimes his kids would ride a tube down the current. Josh explained that overland flow will be reduced as a result of the project, but that "local"

runoff will still exist. Josh explained the City policy that the City could not fund improvements to capture “local” runoff, especially if structural flooding does not exist.

The Owner was concerned about driveway access during construction. Josh explained that the culvert along Gaynor would be installed in phases, to provide access to all driveways, and the fact that Gaynor Road is a circle, makes access much easier for the homeowners. Josh goes on to say that the Contactor will make every effort to work with the homeowners during construction to make sure homeowner’s concerns are addressed. The owner inquired about installing private inlets/pipes to capture runoff and tying the discharge pipe into the proposed storm drain system. Josh mentioned that he would have to contact the City regarding tying private drainage into the City storm drain network.

525 Brook Forest Lane: Owner wanted to know where the water will be discharged when the upstream pipe system is upsized. Andy explained that the downstream channel will experience additional flow due to the upsized system, but the FEMA floodplain boundaries would not be affected. The Owner did not understand how the water on this property would not rise due the Gaynor project. Andy explained that the flooding limits from the FEMA floodplain were far higher than the flooding limits from the Gaynor tributary.

4819 Gaynor Road:

Owner had recently constructed an addition to the side of his house and wanted to know how the construction will affect his structure. Josh explained that proposed storm drain is proposed between 4811 and 4819 Gaynor Road, and that due to the proximity of the two houses, foundation protection will be designed to prevent foundation damage or settling during trench activities. The Owner mentioned that the new addition was in fact, a few years old.

425 Hunter Lane: Owner was not happy with the previous City maintenance work performed on their property. The Owner agrees that there are some erosion issues along their property, but do not think tree removal would be necessary to address these issues. Corky explained that the City and the consultant will meet out in the field with the property owner to discuss where and how areas of erosion can be addressed with the least amount of disturbance possible, and that it is not City policy to automatically clear-cut trees to do channel work.