



Public Information Meeting

Roof with a View

800 West Hill Street Suite 104 Charlotte, NC 28208

March 12, 2013

6:00pm-8:00pm

Dewberry 6135 Lakéview Rd. Suite 150 Charlotte, NC 28269



Hill Street

Storm Drainage Improvement Project









Matthew Gustis, PE

City Engineering Team Program Manager

Doug Lozner, PE

Steven McCraney

City Project Coordinator

City Watershed Area Manager

City Project Manager

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Staff Introductions



Planning & Design Consultant

Christopher Fleck, PE

Project Manager

Crystal Williams, PE, CFM

Project Engineer

John Keene, PE

Project Engineer

Jonathan Drazenovich

Project Engineer



AGENDA

Sign In

Charlotte Mecklenburg Storm Water Services Summary

Project Selection & Citizen Involvement

Existing Conditions Analysis Overview

Future Project Milestones

- Alternatives
- Selected Alternative
- Design
- Permitting
- Real Estate
- Construction





Charlotte Mecklenburg Stormwater Services Summary



Items that qualify for service:

• Public water that causes another qualifying problem, such as roadway and\or structural flooding.

Items that DO NOT qualify for service:

•Private property issues. Such as parking lots, private pipes under buildings, downspouts, and private yard flooding.

Goals

- To provide a storm drainage system that is safe, clean, and cost effective.
- To determine the best possible solutions by:
 - Considering Public Safety, Health & Welfare
 - Maximizing Benefit vs. Cost
 - Working to Reduce Potential Flood Risks

What the program includes:

- Administration and Technology
- Water Quality
- Maintenance
- Engineering





Why Hill Street was selected?

- ✓ Citizen Input from Property Owners (311 Requests)
 - ✓ Inadequate Existing Infrastructure
 - ✓ Observed Existing Road Flooding
 - ✓ Existing Structure Flooding
- ✓ Deteriorating Infrastructure
 - √ Aging culverts, pipes, and inlets
- ✓ CMSWS watershed ranking
- ✓ Larger watershed-wide and city-wide drainage issues



What do we need from you?

- Feedback on existing drainage issues not previously reported.
- Areas of roadway or structural flooding on your property or other areas you are aware of within the project limits.
- Support for the project's future phases.









Input

Existing Conditions Analysis Overview

Integrating:

- Survey of Existing Information
 - Topographic Survey
 - System Inventory
- Existing Zoning, Land Use, Soils
- •Engineering Evaluation of Existing System Performance
- Mapping and Reports of Engineering Results

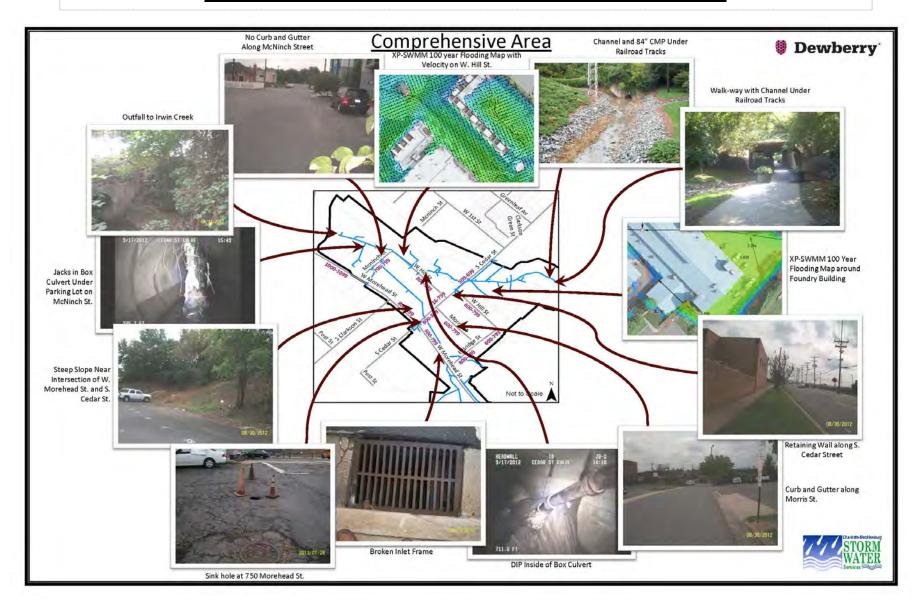


Project Overview Map



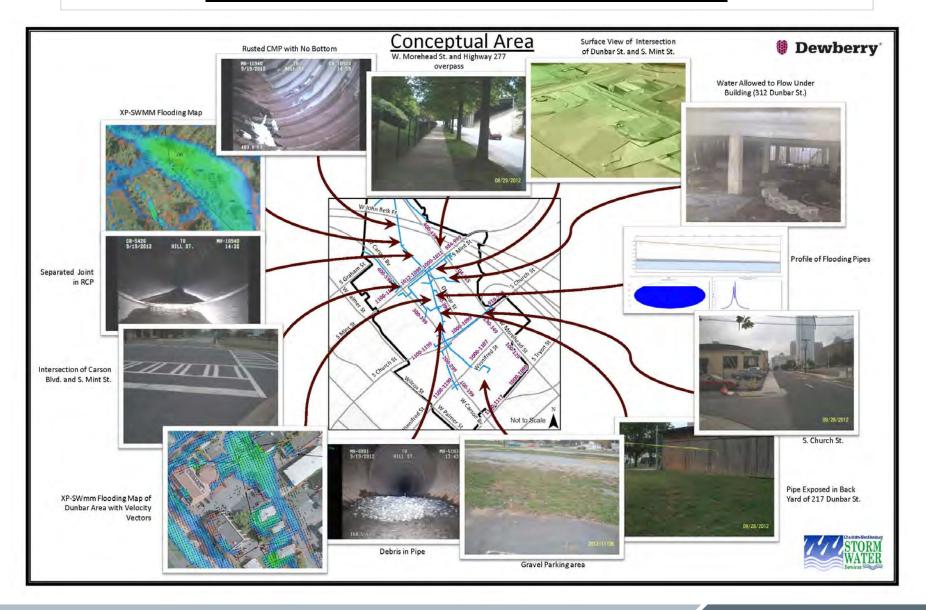


Existing Conditions Analysis Overview





Existing Conditions Analysis Overview





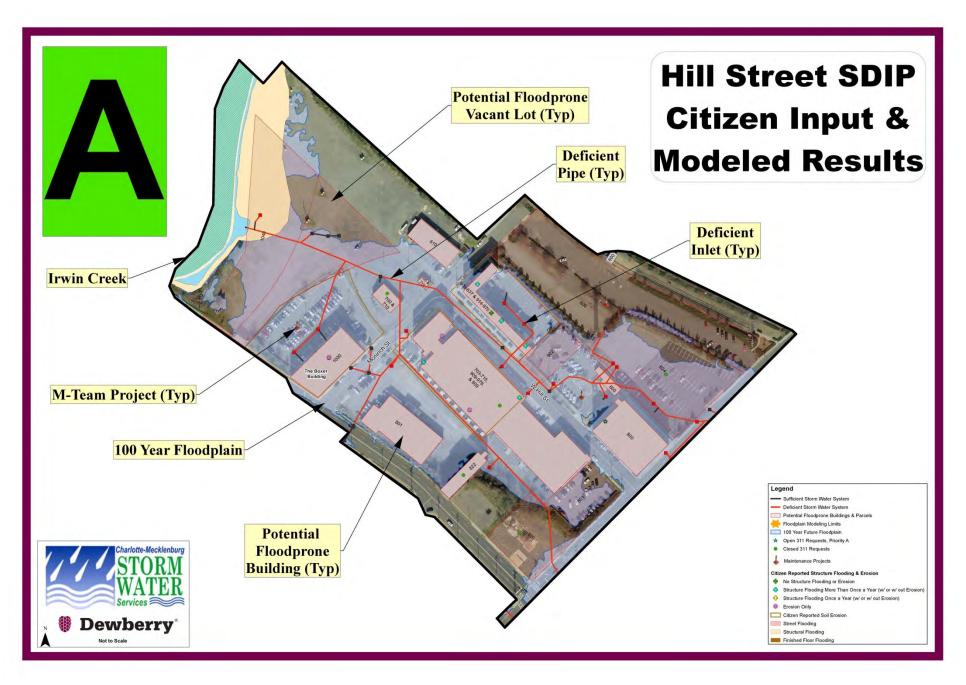
Existing Conditions Analysis Results

- -Based on nearly 50 different criteria for pipes, channels, inlets, etc., our consultants found that:
- 75% of pipes are deficient
- 40% of channels are deficient
- 100% of culverts are deficient
- 40% of inlets are deficient
- ■70% of buildings are potentially flood prone

These areas will be further evaluated to determine where improvements can be made within the CMSWS program goals and project objectives.























Planning- (Estimated 2 years)

- Survey (completed)
- Existing Conditions (completed)
- City Design Standard Analysis (In Progress)
- Alternative Analysis (2013)
- Selected Alternative-Future Public Meeting (TBD in early 2014)

Design and Construction may be phased due to size and complexity of watershed.

Design- Estimated 1 year duration
Real Estate\Easement Phase & Permitting- Estimated 1 year duration
Bid- Estimated 6 months duration
Construction- Estimated 1-2 year duration per phase

Future Project Milestones









Conclusion

- Please remember to sign
 in and fill out a customer service
 card if you have not filled one
 one out previously. Be sure to
 include if you are the owner or a
 tenant of the property.
- At the end of the presentation, please find the map where your property is located for details. Also feel free to speak to a representative to let us know of any additional flooding you have observed.
- General Discussion
- Thank you for coming to the meeting, and have a nice evening!

For more information please visit the Charlotte Mecklenburg Storm Water Services website at: http://charmeck.org/stormwater/Projects

