

Lincoln Heights Storm Drainage Improvement Project



Recommended Improvements Meeting



January 8, 2015
Beatties Ford Road Regional
Library



Armstrong Glen

I. WELCOME AND INTRODUCTIONS

Charlotte-Mecklenburg Storm Water Services (CMSWS) Staff

Steven McCraney – Project Manager

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E-mail: smccraney@charlottenc.gov

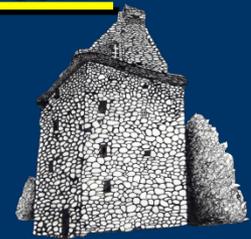


Doug Lozner, PE – Watershed Area Manager

Armstrong Glen Consulting Engineers Staff

Josh Letourneau, PE – Project Manager

Russell Parker, PE – Project Engineer



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II. MEETING PURPOSE

- Provide a summary of the recommended improvements.
- Request input from property owners/residents on the proposed improvements in the neighborhood.
- Introduce the Design Phase of the project.

III. PROJECT HISTORY, SELECTION, AND CITIZEN INVOLVEMENT

Why was the Lincoln Heights area chosen?

- Requests for service from property owners

56 TOTAL REQUESTS REPORTED TO 311 IN THIS NEIGHBORHOOD

Example Requests:

- Inadequate and Deteriorating Infrastructure
 - Road Flooding
 - First Floor & Crawl Space Flooding
 - Old Culverts, Pipes, Inlets
 - Sink Holes
 - Erosion, Blockages in Streams
- Larger watershed-wide issues that cannot be managed by spot repairs or without potentially impacting downstream properties

IV. EXISTING CONDITIONS AND RECOMMENDED IMPROVEMENTS

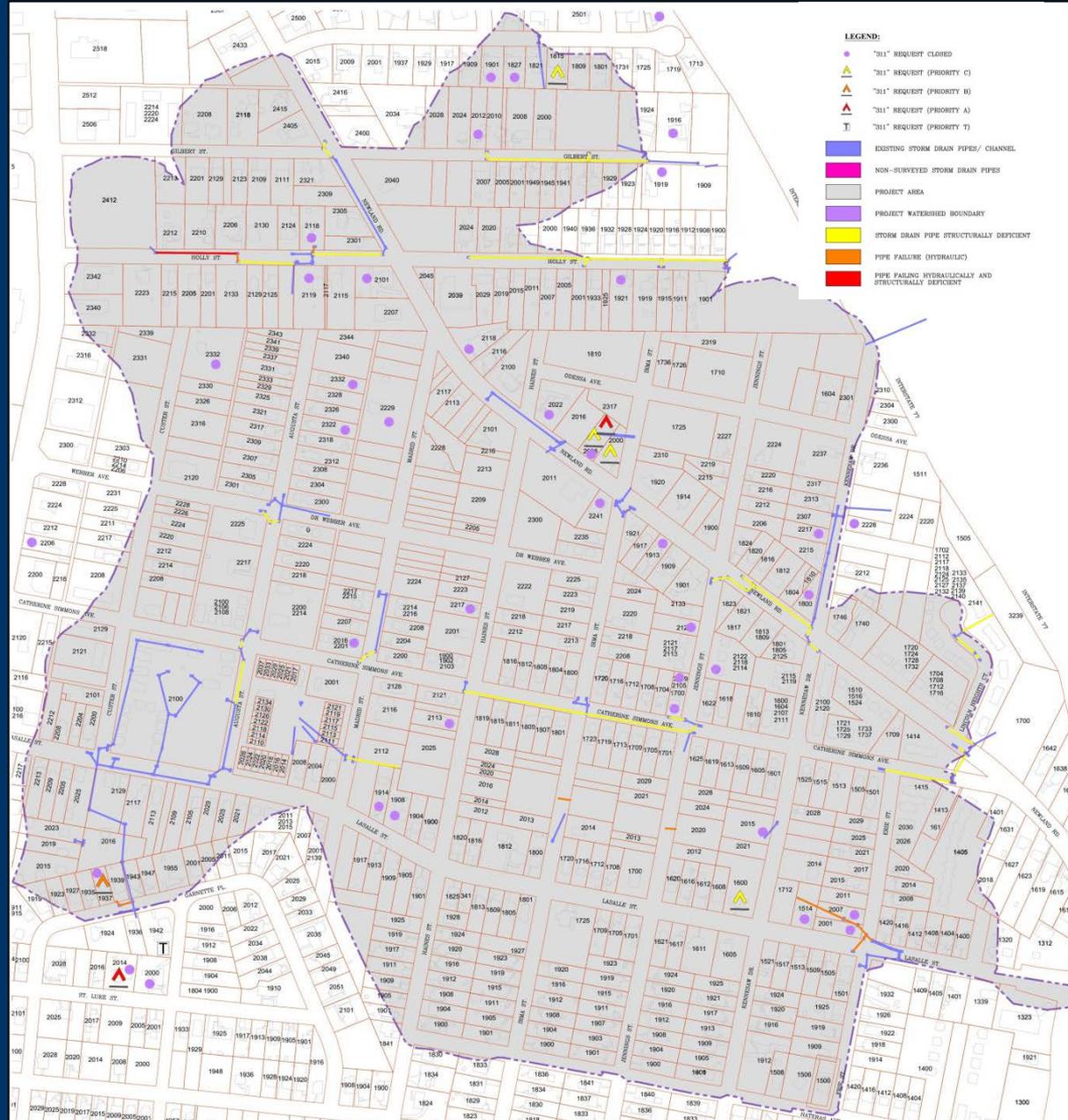


Presented by:

Armstrong Glen, P.C.
Civil Engineers

EXISTING CONDITIONS RESULTS MAP

- Highlights undersized storm systems
- Highlights storm systems that are structurally deficient. (determined from pipe video)
- Summarizes 311 Requests filed by residents.
- A larger version of this map can be seen on the exhibit stand



RECOMMENDED IMPROVEMENTS

- Highlights proposed storm system improvements

LEGEND:

- EXISTING STORM DRAIN PIPES TO REMAIN
- EXISTING STORM DRAIN CHANNEL
- EXISTING STORM DRAIN PIPE TO BE UPSIZED
- EXISTING STORM DRAIN PIPE TO BE REPLACED FOR STRUCTURAL REASONS
- PROP. STORM DRAIN PIPE & STRUCTURES

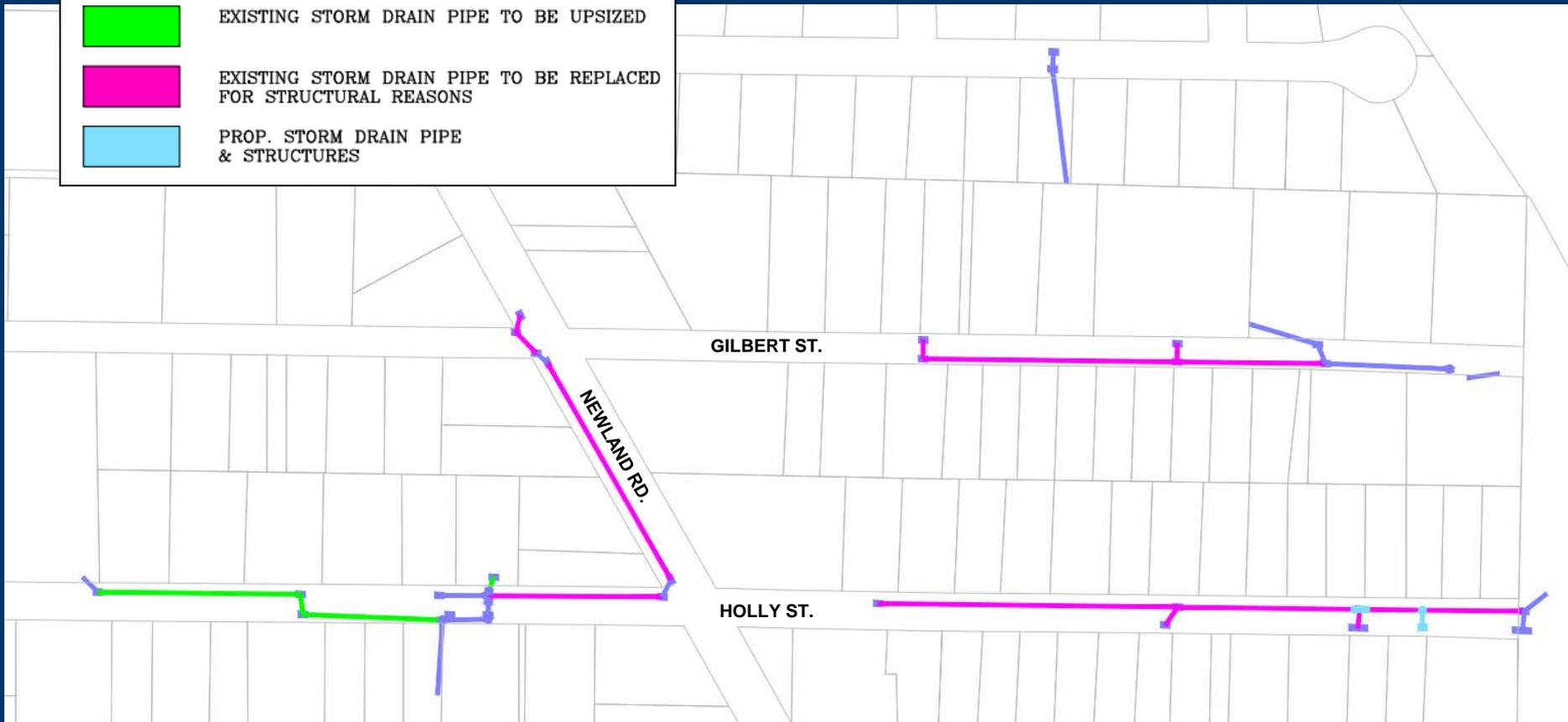


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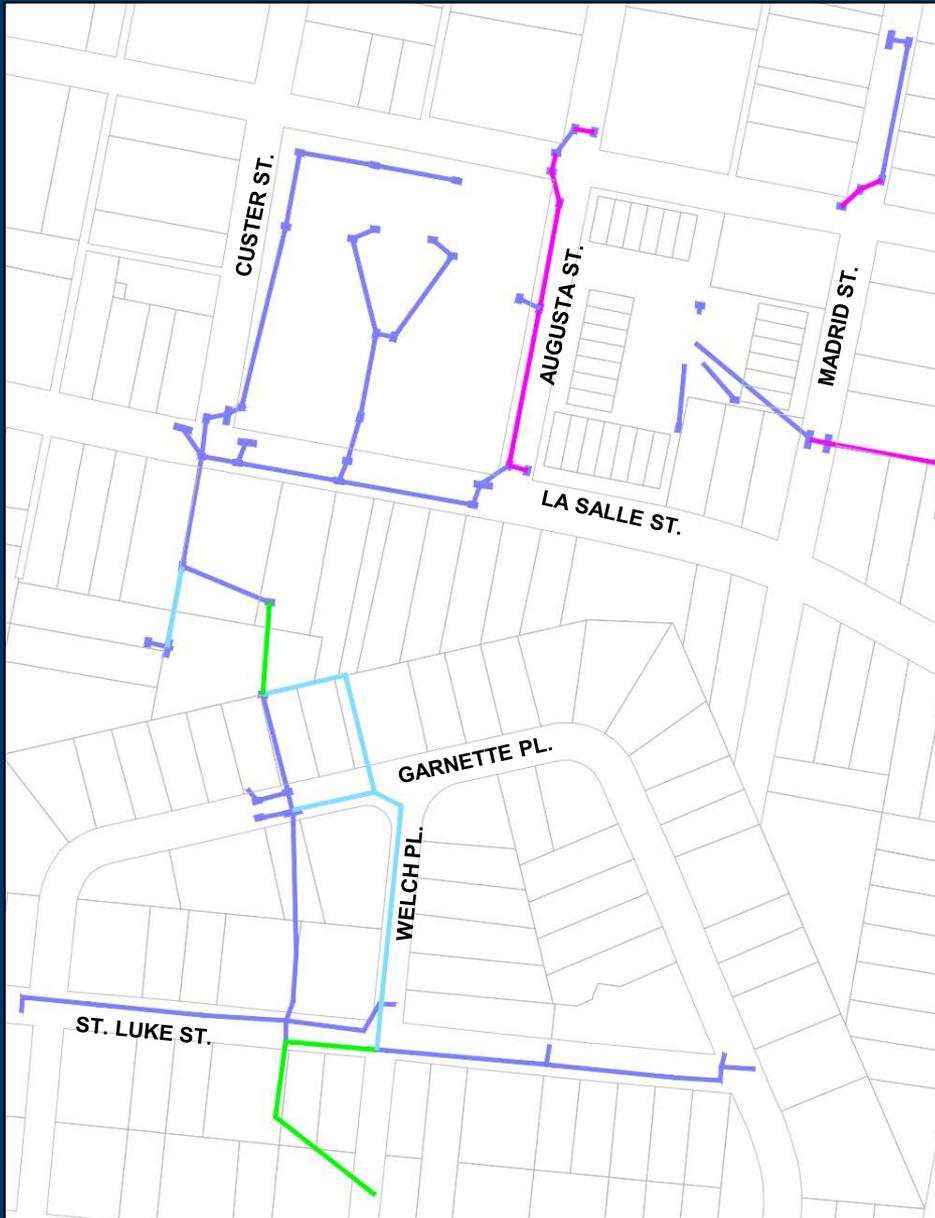
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RECOMMENDED IMPROVEMENTS



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EXISTING STORM DRAIN CHANNEL



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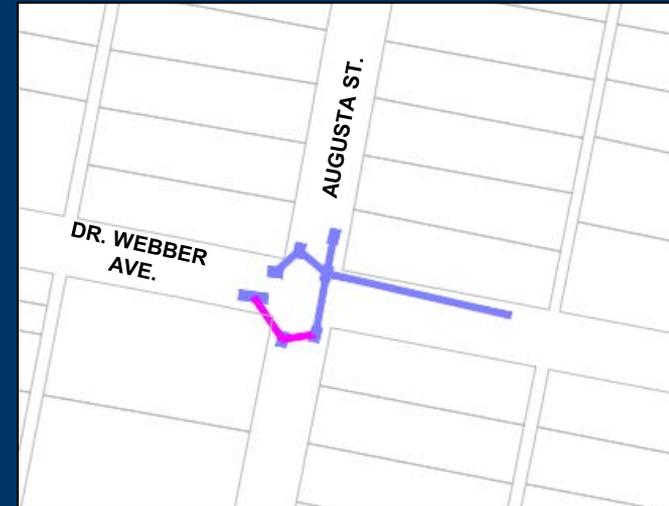
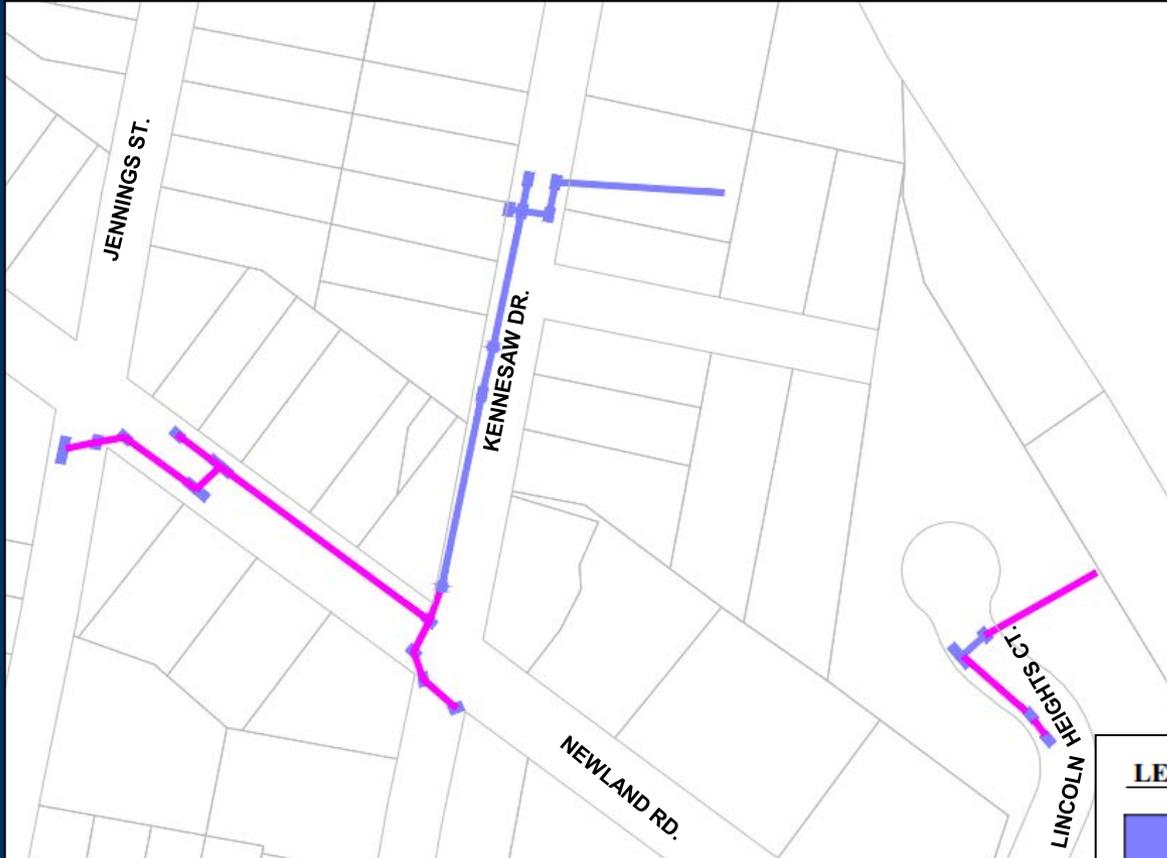


EXISTING STORM DRAIN PIPE TO BE REPLACED FOR STRUCTURAL REASONS



PROP. STORM DRAIN PIPE & STRUCTURES

RECOMMENDED IMPROVEMENTS



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V. STORM DRAINAGE IMPROVEMENT PROJECT PHASES

- **PLANNING** (*Typically 12 to 27 months*)
 - Existing Conditions Analysis – Finding the Problems
 - Alternative Analysis – Developing Alternative Improvements to determine the best solution
 - **Selected Alternative – Choosing the best alternative – Where we are today**
- **DESIGN** (*Typically 21 to 34 months*)
 - *Designing the Improvements – Developing Construction Drawings*
- **PERMITTING** (*Typically 9 months, but usually overlaps the design phase*)
- **EASEMENT ACQUISITION** (*Typically 12+ months*)
- **BID** (*Typically 5 to 6 months*)
- **CONSTRUCTION** (*From 1 to 2+ years*)

VI. PATH FORWARD...

- Additional information obtained during this meeting will be considered in the Design Phase of the project.
- Charlotte-Mecklenburg Storm Water Services will hold a third public meeting to present 70% design plans.

Questions?



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Thank you for coming to the meeting!

Please remember to sign-in and fill out a customer service card.