

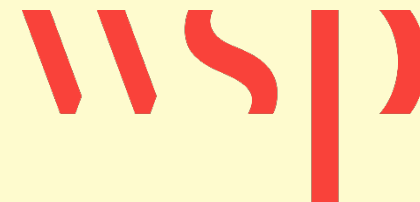


Cutchin Drive Storm Drainage Improvements Project

Preliminary Design and Easement Acquisition Public Meeting

Sharon Presbyterian Church

August 3, 2017



Introduction of Staff

- Charlotte-Mecklenburg Storm Water Service (CMSWS) Staff
 - Ben Lanzillotta, PE – *Project Manager*
 - Phone: 704-432-0590
 - E-Mail: Benjamin.Lanzillotta@ci.charlotte.nc.us
 - Doug Lozner, PE – *Watershed Area Manager*
 - Greg Van Hoose – *Sr. Real Estate Agent*
- WSP Staff
 - Karl Dauber, PE- *Project Manager*
 - Andre' M Mullins, PE – *Project Engineer*
 - Derek Benenhaley – *Project Designer*

Housekeeping Items:

- Sign-In Sheet
- Agenda & other handouts
- Customer Service Comment Cards
- Q&A period after the presentation





Meeting Purpose and Agenda

- **Purpose**
 - Present project history summary and Preliminary Design.
 - Discuss easement acquisition process.
- **Agenda**
 - Project Status
 - Presentation of the Design
 - Future Project Milestones
 - General Questions and Comments
 - Group break-out sessions





Why the Cutchin Drive Storm Drainage Improvement Project (SDIP) was chosen:

- Requests for Service from Property Owners to 311 within watershed included:
 - Inadequate/Undersized Drainage Infrastructure
 - Deteriorating Infrastructure (old culverts, pipes, inlets)
 - Sink Holes
 - Channel Erosion
 - Road Flooding
 - Structure Flooding (Houses, Buildings, Sheds, etc.)
- Larger Watershed-wide issues that cannot be managed by spot repairs or without potentially impacting downstream properties.



Cutchin Drive Storm Drainage Improvement Project



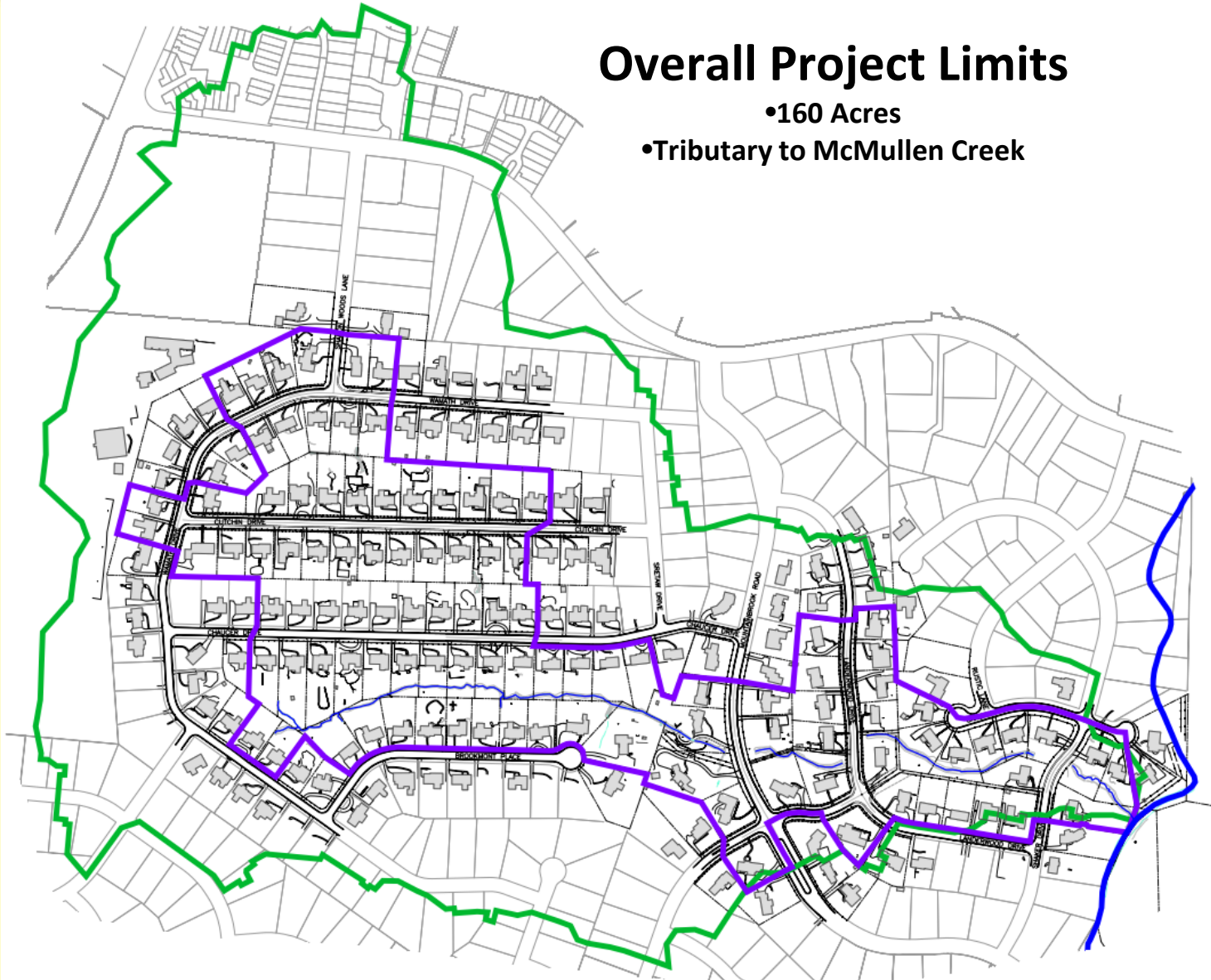
Design Improvements





Overall Project Limits

- 160 Acres
- Tributary to McMullen Creek



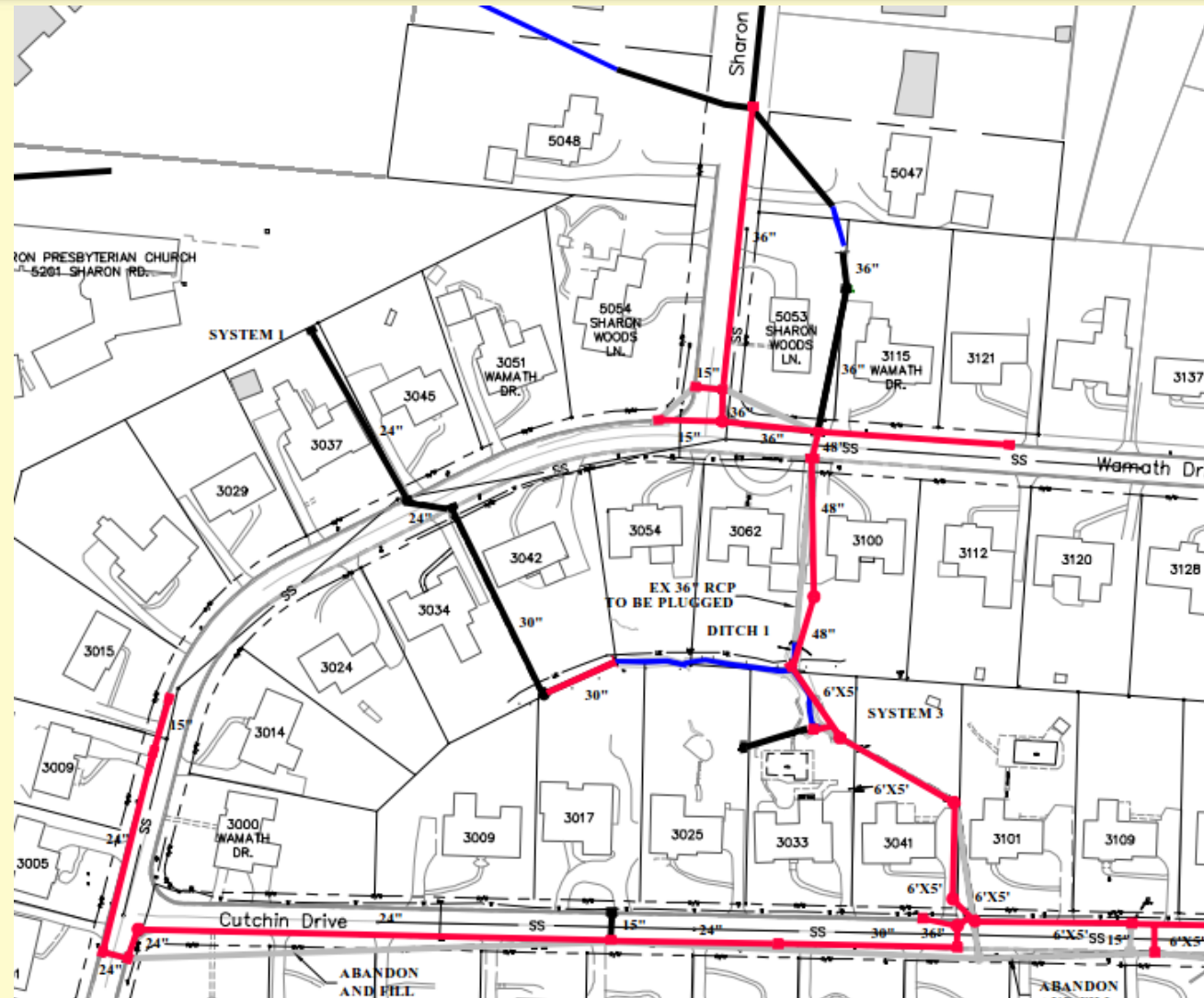
Wamath Drive - Systems #1 & #2

System #1:

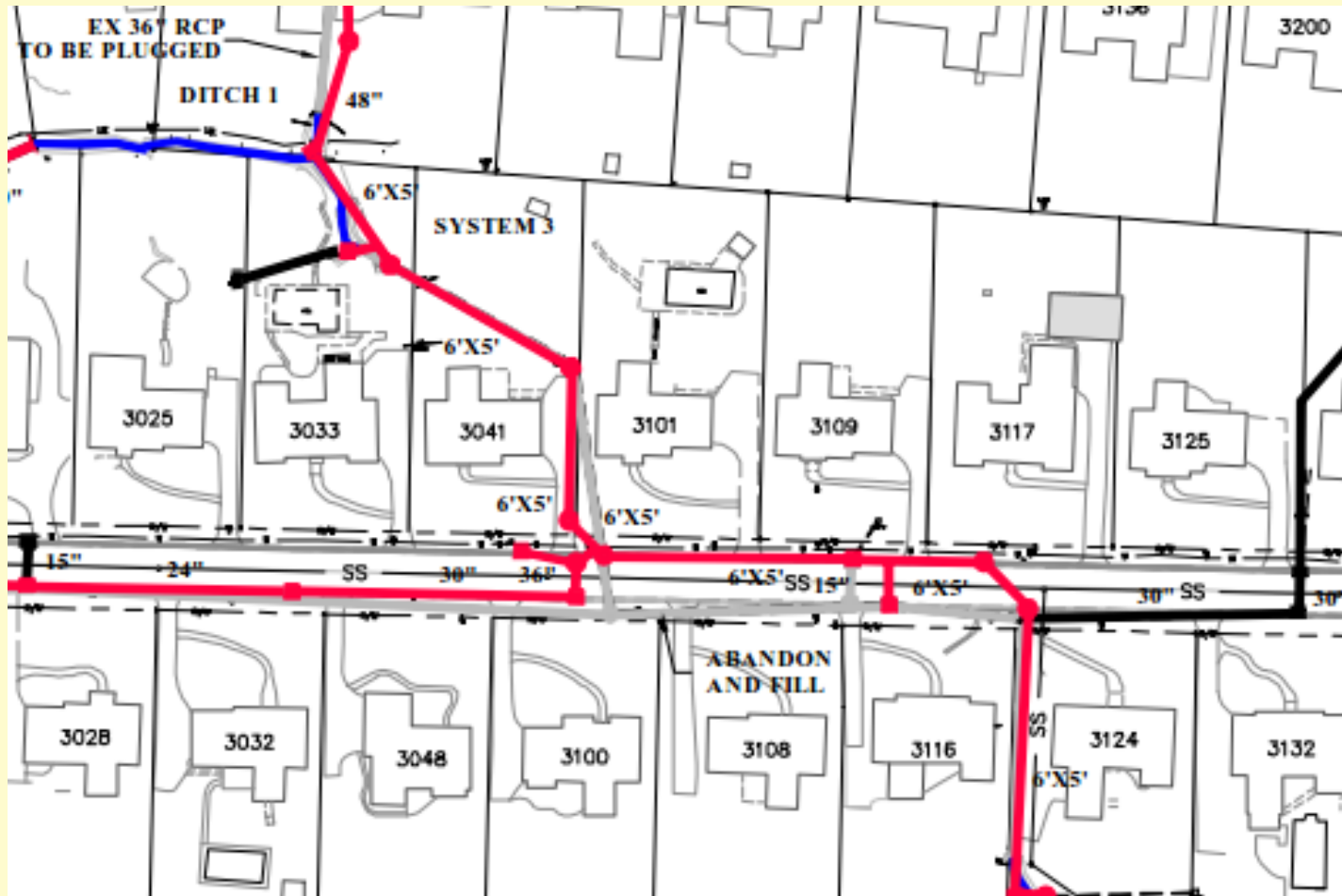
- Retain existing system, due to reduction of flow to the system
- Replace outfall pipe

System #2:

- Intercept flow with system on Sharon Woods Lane
- Upgrade system
- Majority of work within existing R/W

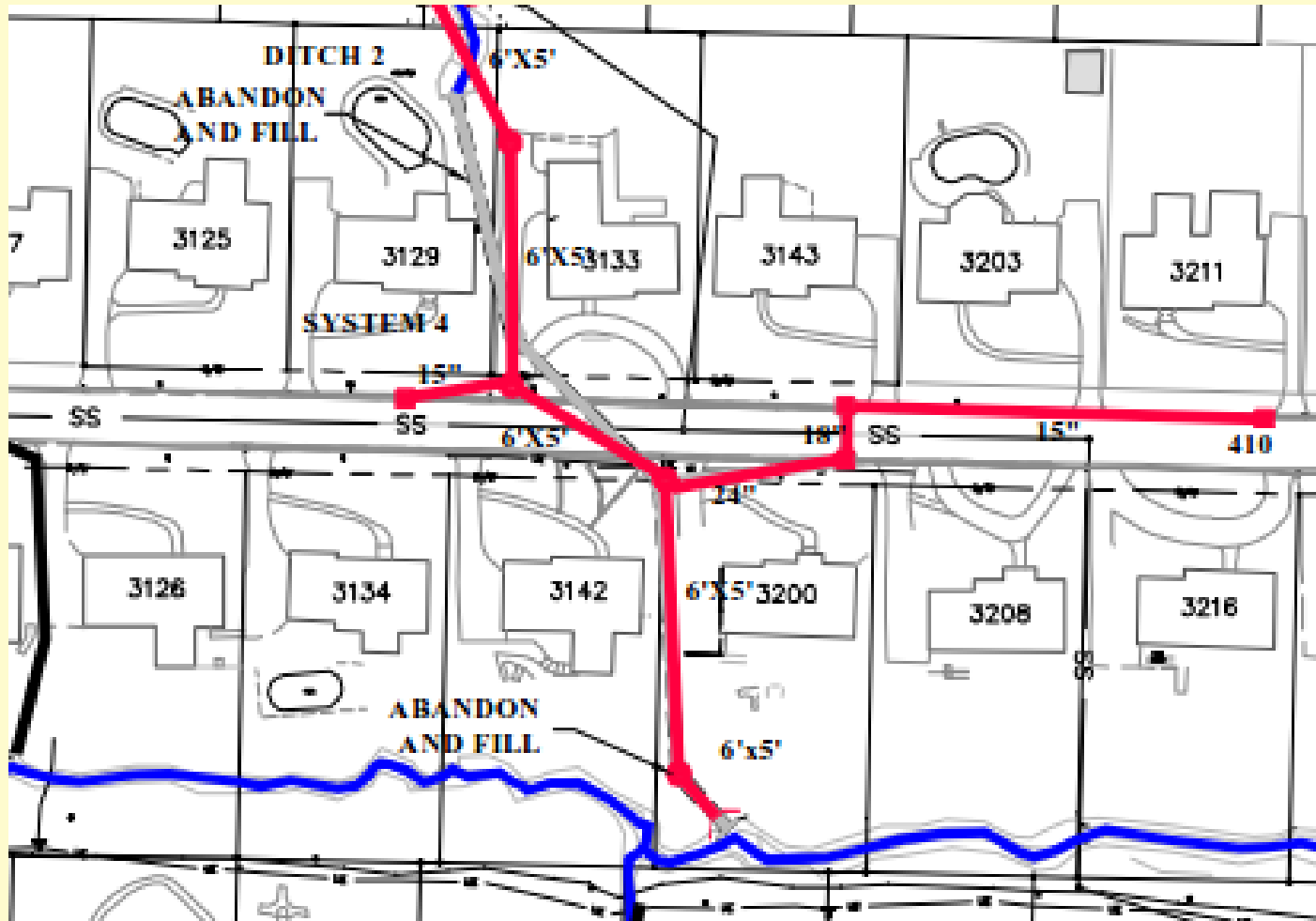


Cutchin Drive – System #3



System #3 – Entire system upgraded.

Chaucer Drive – System #4



System #4 – Entire system upgraded.

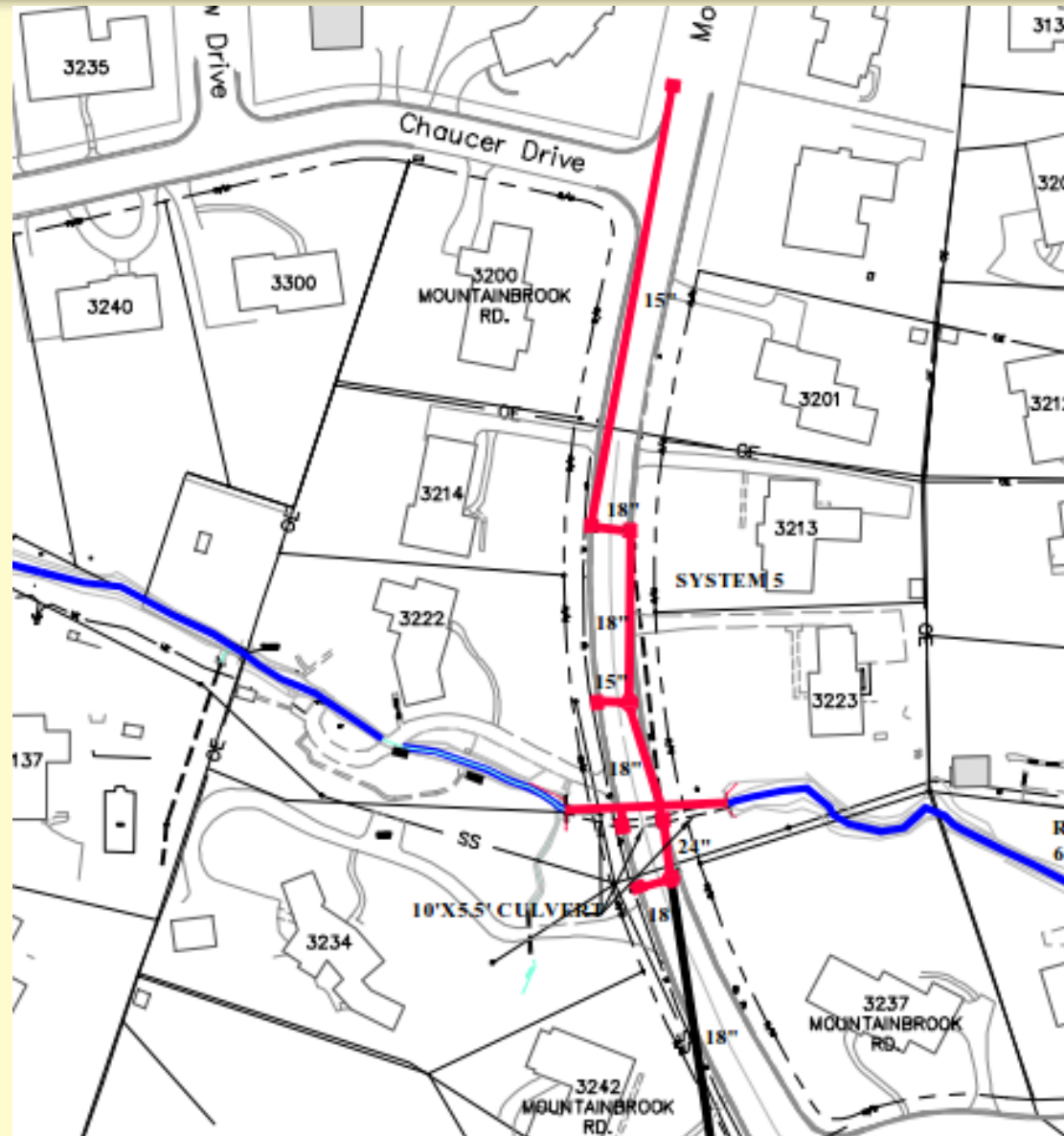
Mountainbrook Road – System #5 & Road Culvert

Mountainbrook Road Culvert:

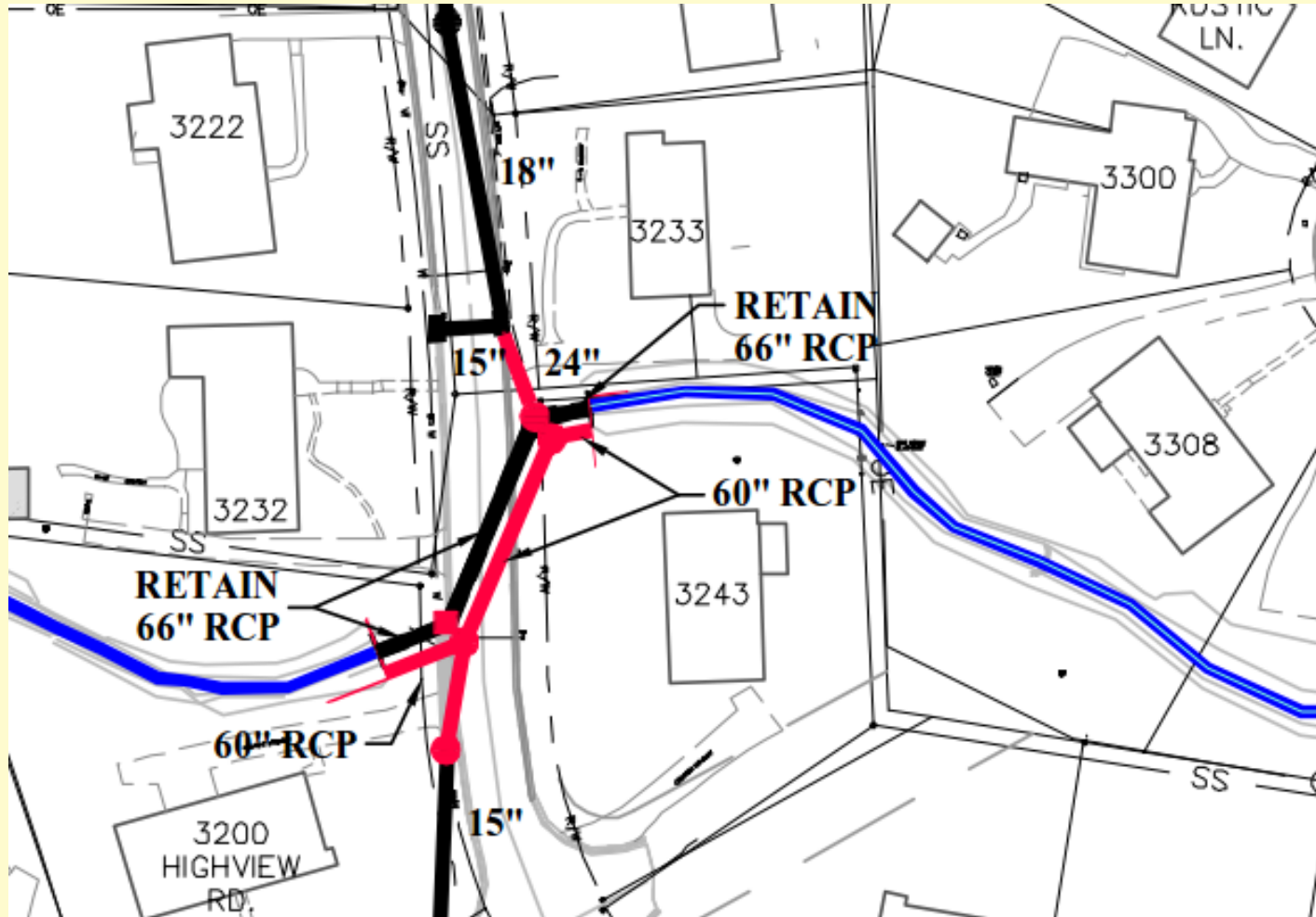
- Replaced with 10'x5.5' Box Culvert

System #5

- Additional inlets provided to address excess spread and flooding at road low point

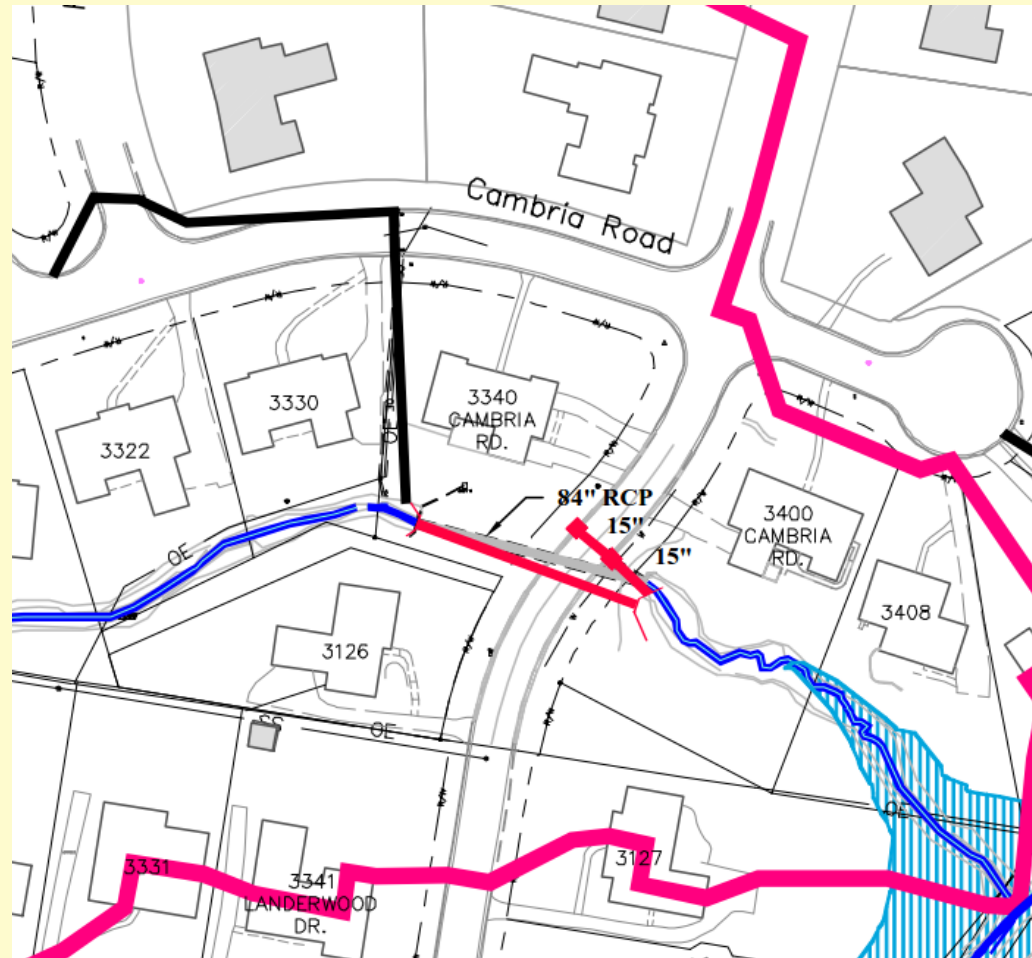


Landerwood Drive – System #6 & Road Culvert



Landerwood Drive Culvert (66" RCP), supplemented with additional 60" RCP:

Shaker Drive Culvert



Shaker Drive Culvert:

- Replaced with 84" RCP culvert



Storm Drainage Improvement Project Phases

PLANNING (Completed in **December 2015**)

DESIGN (Typically 21 to 34 months)

- **PRELIMINARY DESIGN PLANS** (**Current Phase**)
- **EASEMENT ACQUISITION** (**Current Phase**) - Typically 12 months, also overlaps with the design phase)
- PERMITTING (Typically 3 to 9 months, but usually overlaps the design phase)
- FINALIZE DESIGN PLANS

BID (Typically 6 to 9 months)

CONSTRUCTION (Approximately 24 months)

Easement Acquisition

An easement is a right to use land owned by another party for a specific purpose. Easements provide Storm Water Services with permission from property owners to come onto their property and repair drainage problems and perform on-going maintenance. Granting an easement does not reduce the size of your property, but it does create some limitations on the use of the area.



Easement Acquisition

Storm Drainage Easement (SDE)

Grants access to a specific portion of the property for the purpose of repairing and maintaining a storm drainage system including creeks.

Temporary Construction Easement (TCE)

Are not permanent easements. They give us the right to access your property to construct this project only.





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Final Design

- All permits have been obtained
- All easements have been acquired
- Construction plans are completed

Bid Phase

- Bid advertisement
- Bid opening
- Recommendation for approval and City Council award
- Pre-construction meeting



Construction

- Notification to residents
- Contractor is given a Notice to Proceed
- Mailers and project website with progress updates
- Final walk through with contractor
- Accept project
- Start Warranty Phase (1 year)





What Happens Now?

- Either Josh Frey or Steven Frey from Professional Land Management, LLC will contact you if we need an easement for construction and/or maintenance purposes

We will NOT have another public meeting prior to bid and construction

- Please remember to sign-in and fill out a customer service card
- The City and our Consultants will stay here to answer any specific questions you may have regarding impacts to your property or general information about this project

Thank you for coming to the meeting!

Breakout Sessions

