



Shamrock Gardens Storm Drainage Improvement Project

Preliminary Design and Easement Acquisition Public Meeting

Eastway Church of God

October 12, 2022 – 6:00 PM

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Introduction

Introduction of Staff

▶ Charlotte-Mecklenburg Storm Water Services (CMSWS) Staff

- Shawn McDonald, PE, CPESC – Project Manager
Phone: 980-297-9243
E-Mail: shawn.mcdonald@charlottenc.gov
- Ryan Preda – Real Estate Project Manager
Phone: 980-219-9495
E-Mail: ryan.preda@charlottenc.gov

▶ Hazen & Sawyer Staff

- Steve Sands, PE- Project Manager

Housekeeping Items

- ▶ Sign-In Sheet
- ▶ Agenda
- ▶ Presentation
- ▶ Q&A period after the presentation

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
- Individual Property Easement Questions

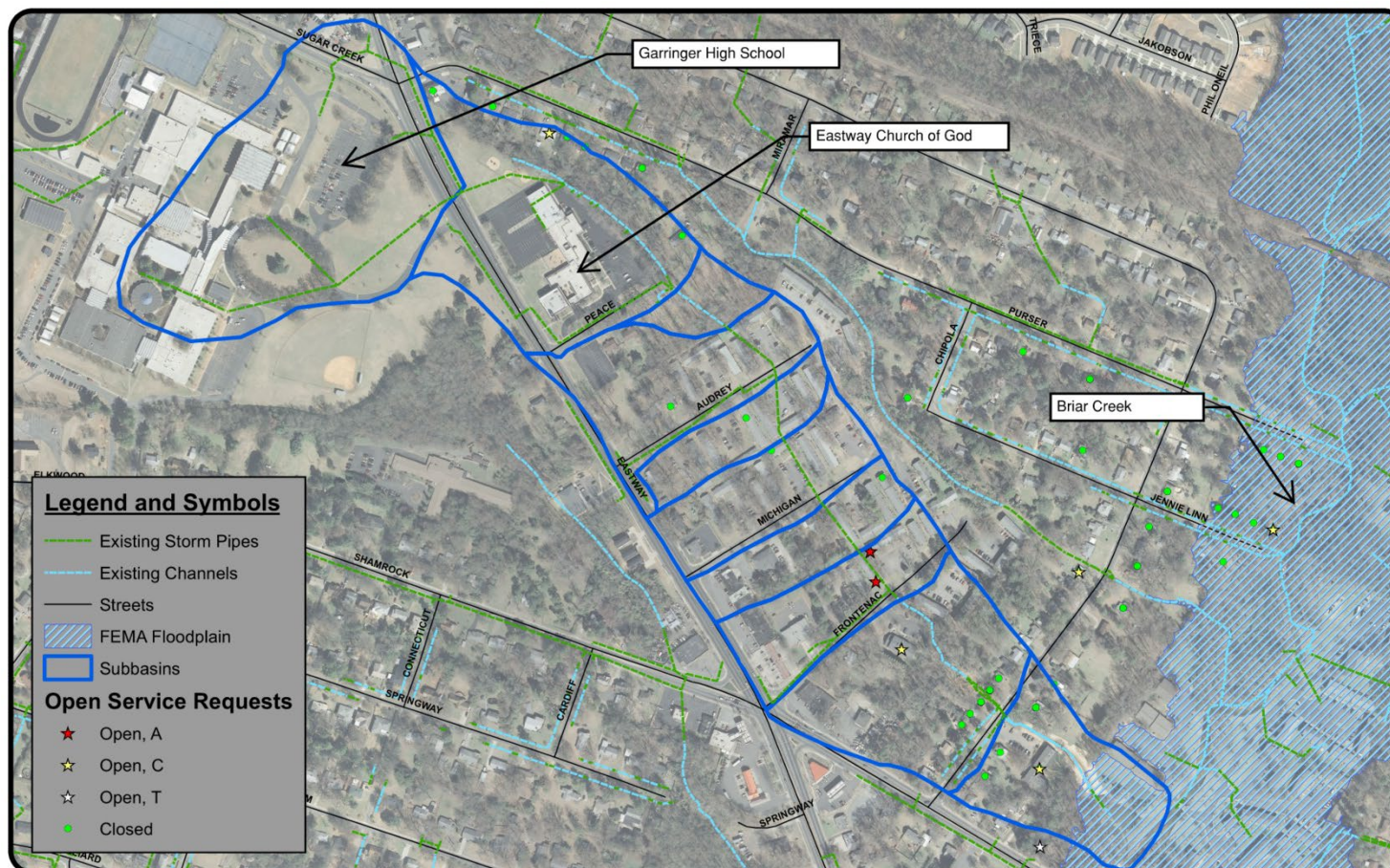
Why The Project Was Chosen

- **Reported concerns from property owners to 311 within watershed included:**
 - Inadequate/Undersized Drainage Infrastructure
 - Deteriorating Infrastructure (old culverts, pipes, inlets)
 - Sink Holes
 - Channel Erosion
- **Larger watershed-wide issues that cannot be managed by individual repairs or without potentially impacting downstream properties**

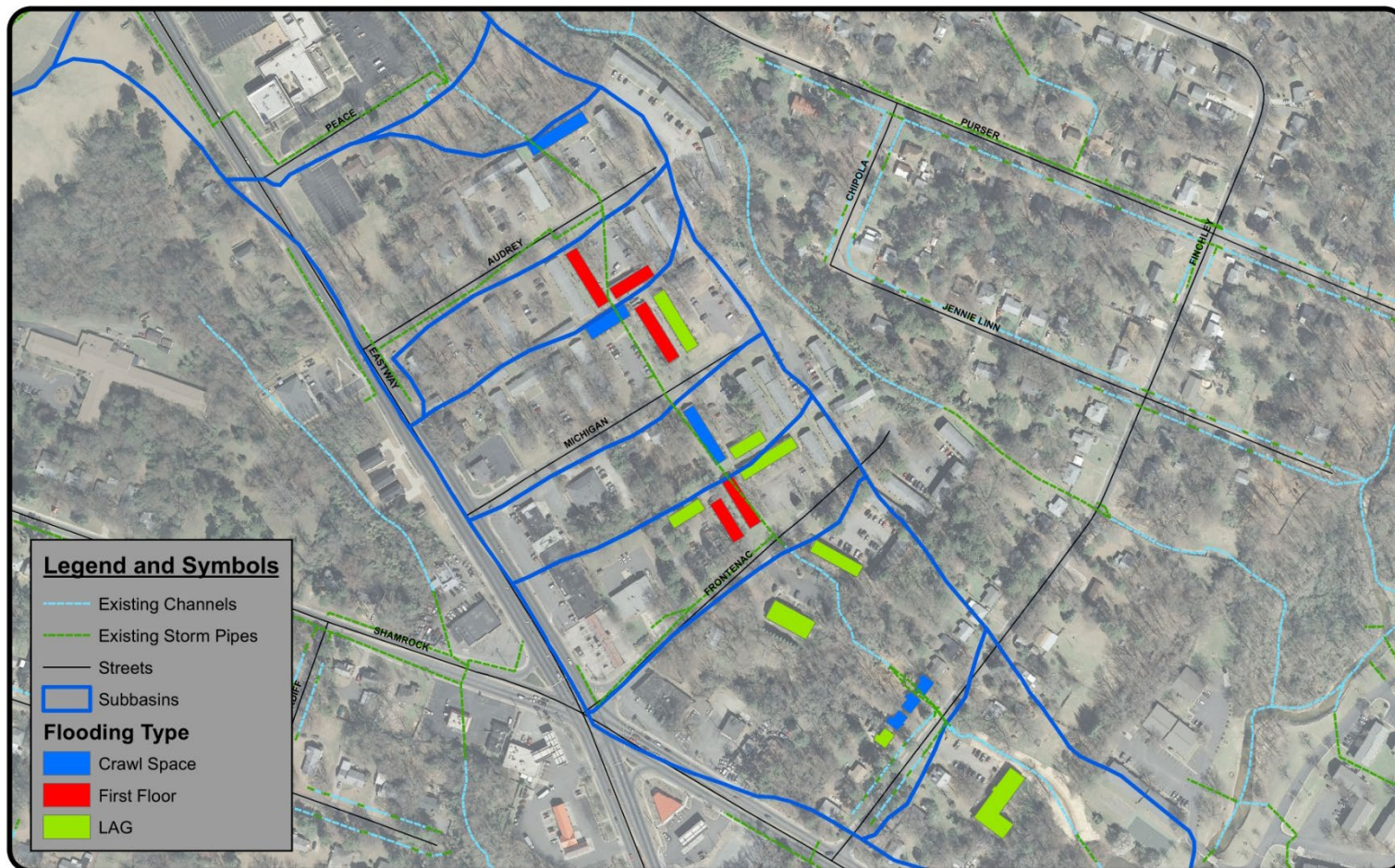
Why The Project Was Chosen



Analysis



Analysis



Options Considered

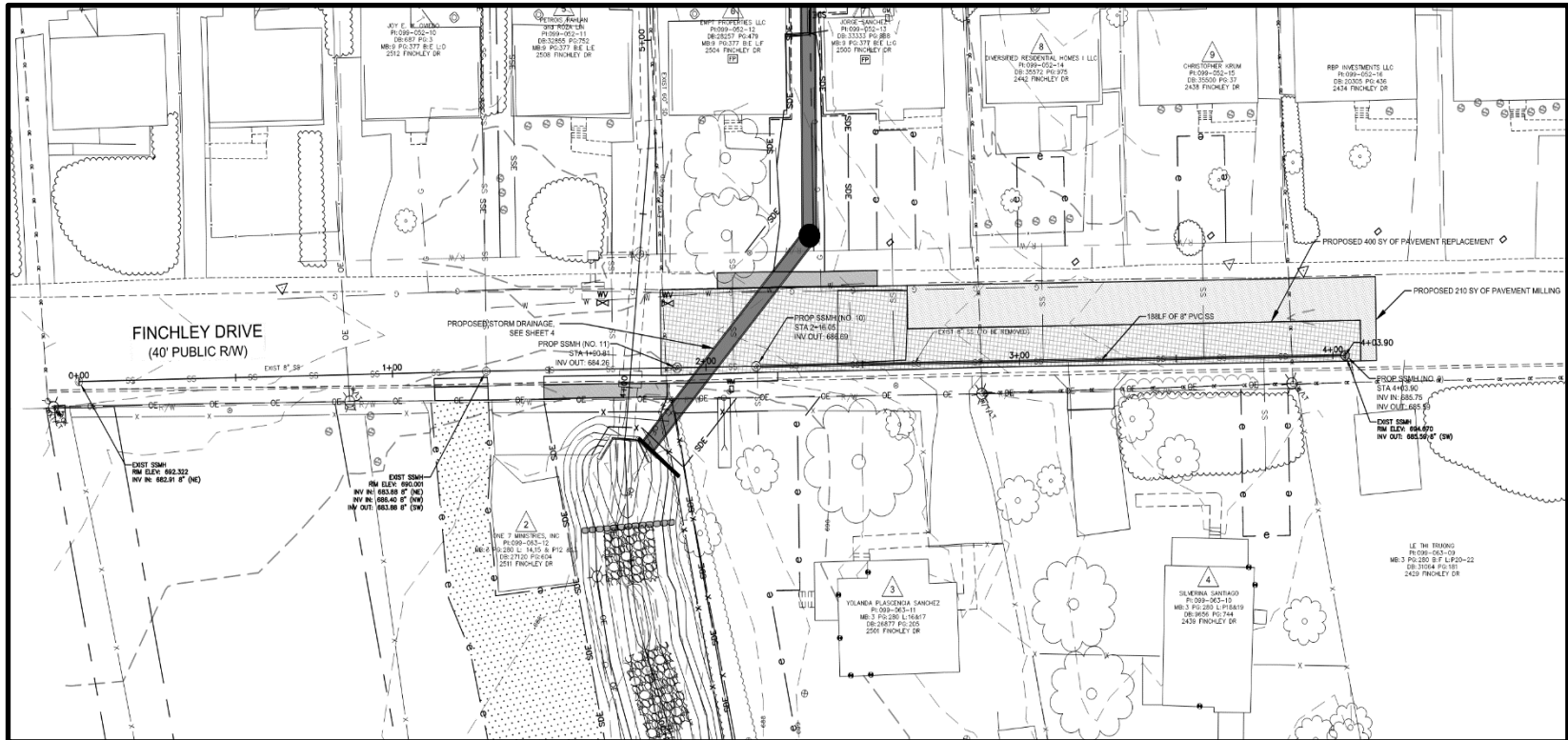
- New Box Culverts
- New Round Pipe (Next to Existing Pipe)
- Stormwater Storage



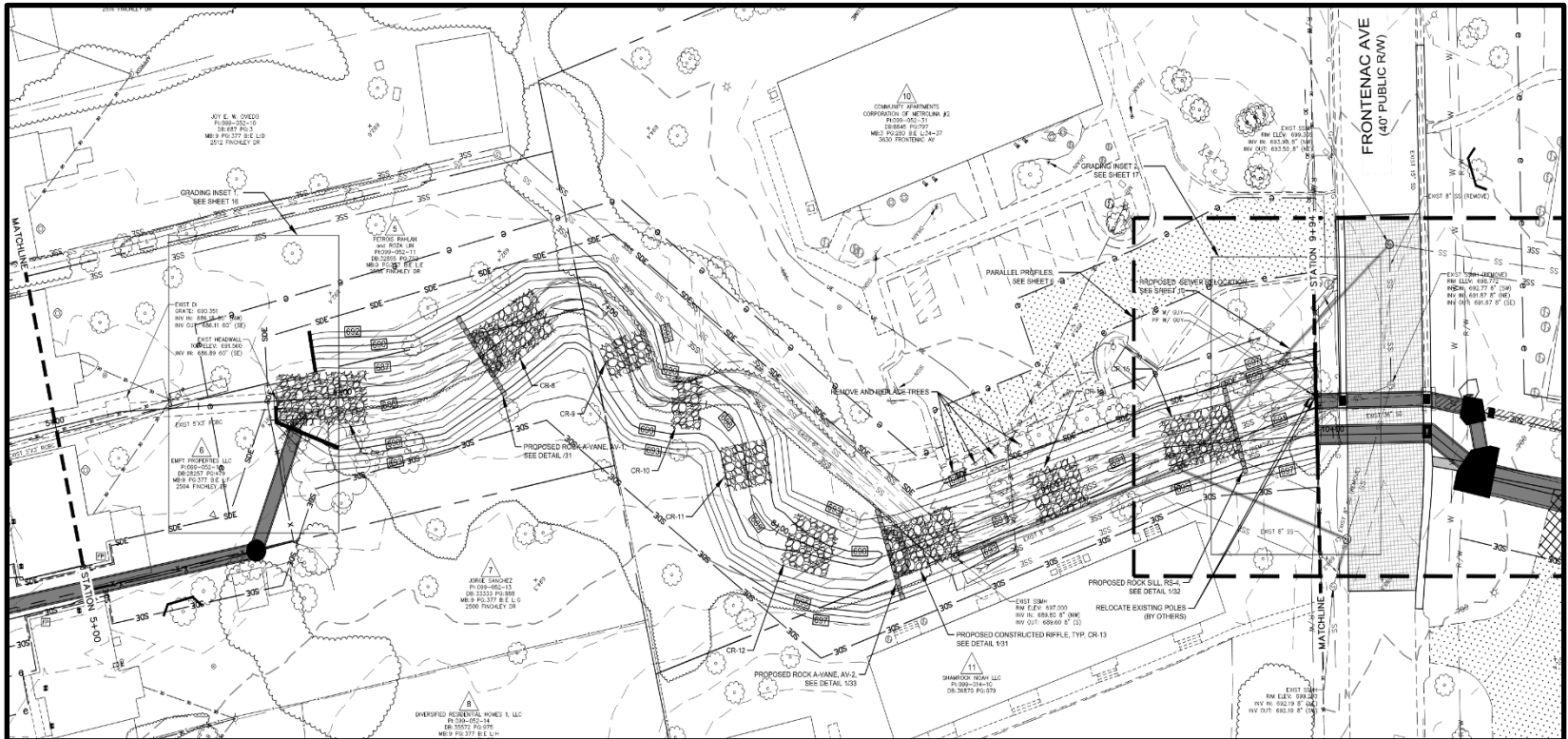
Proposed Design



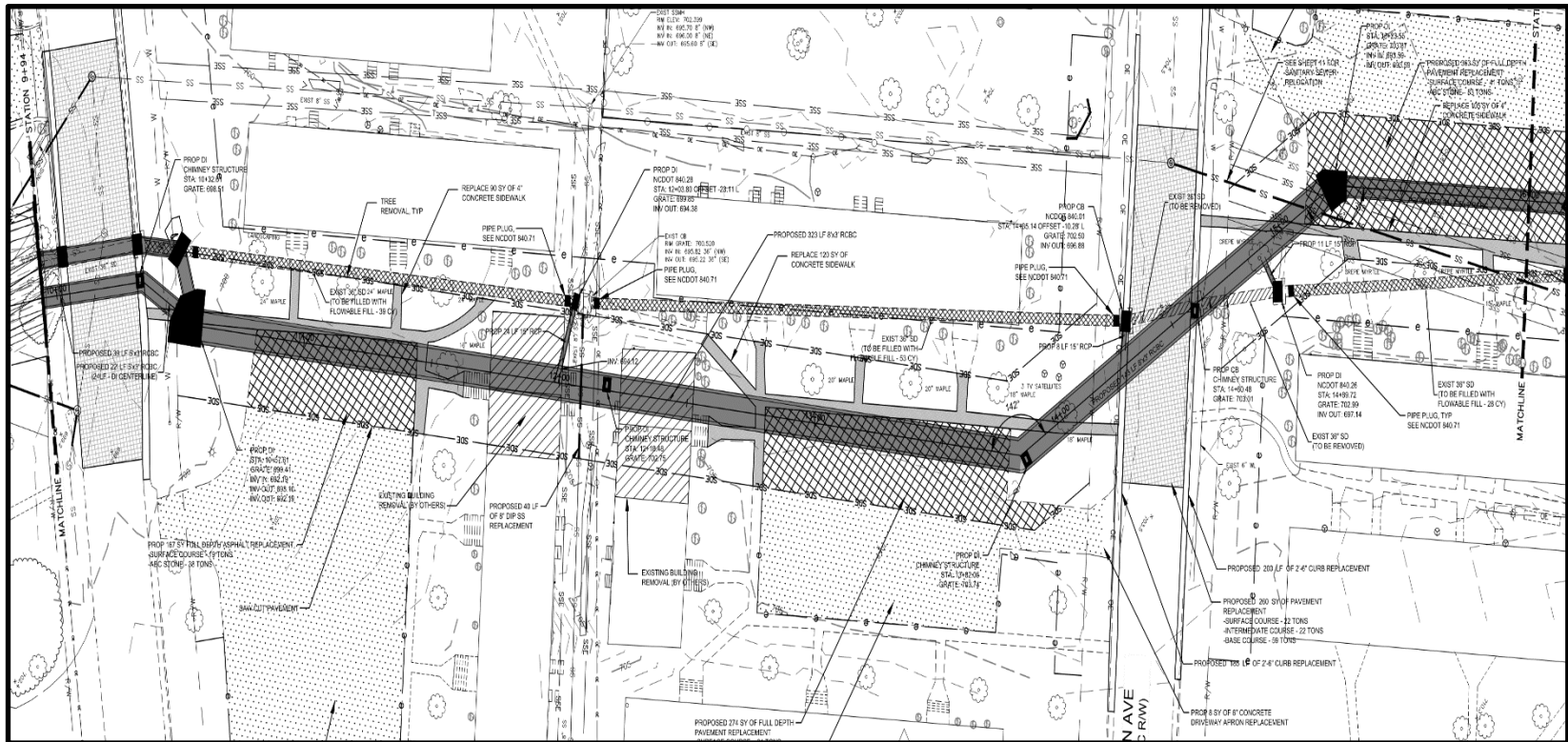
Proposed Design



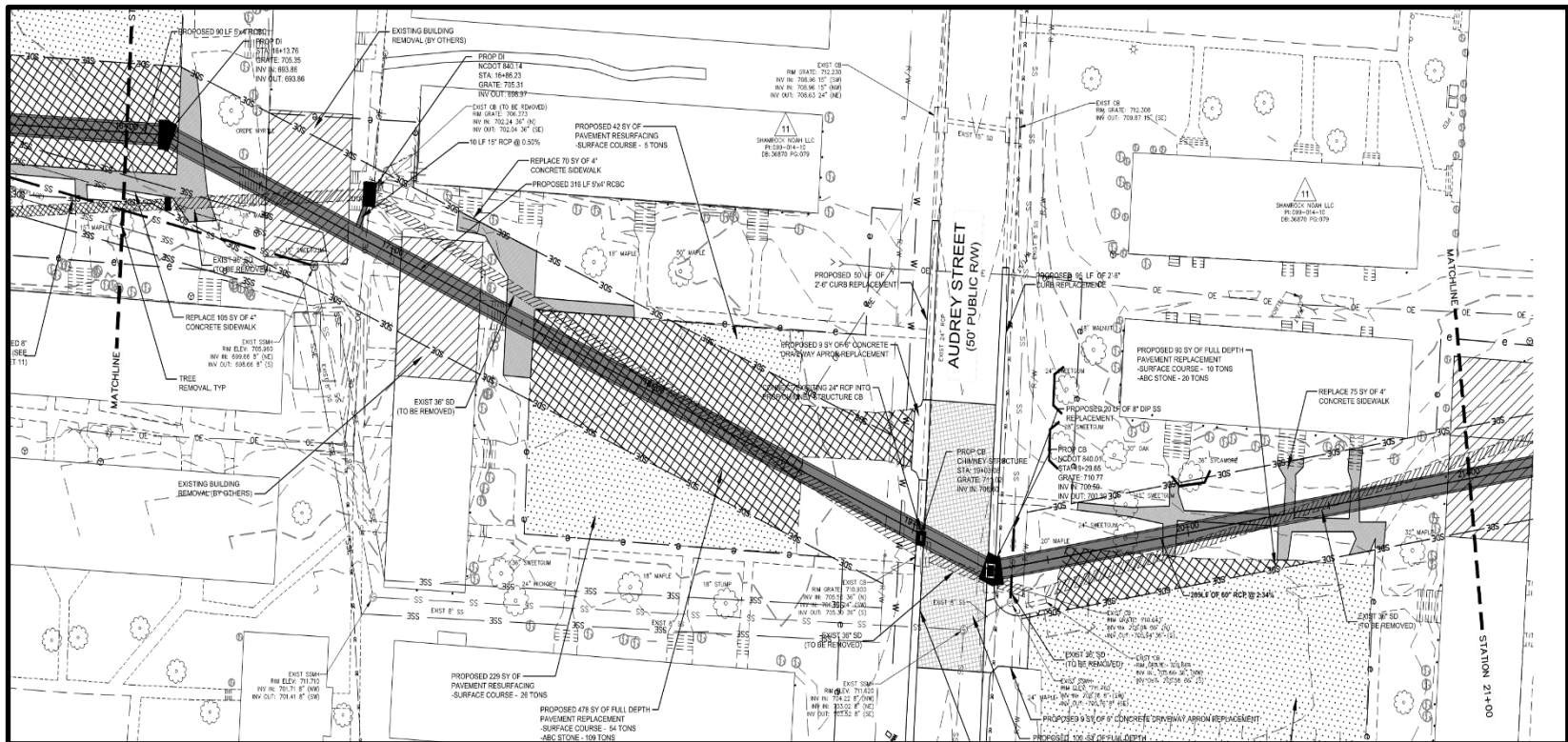
Proposed Design



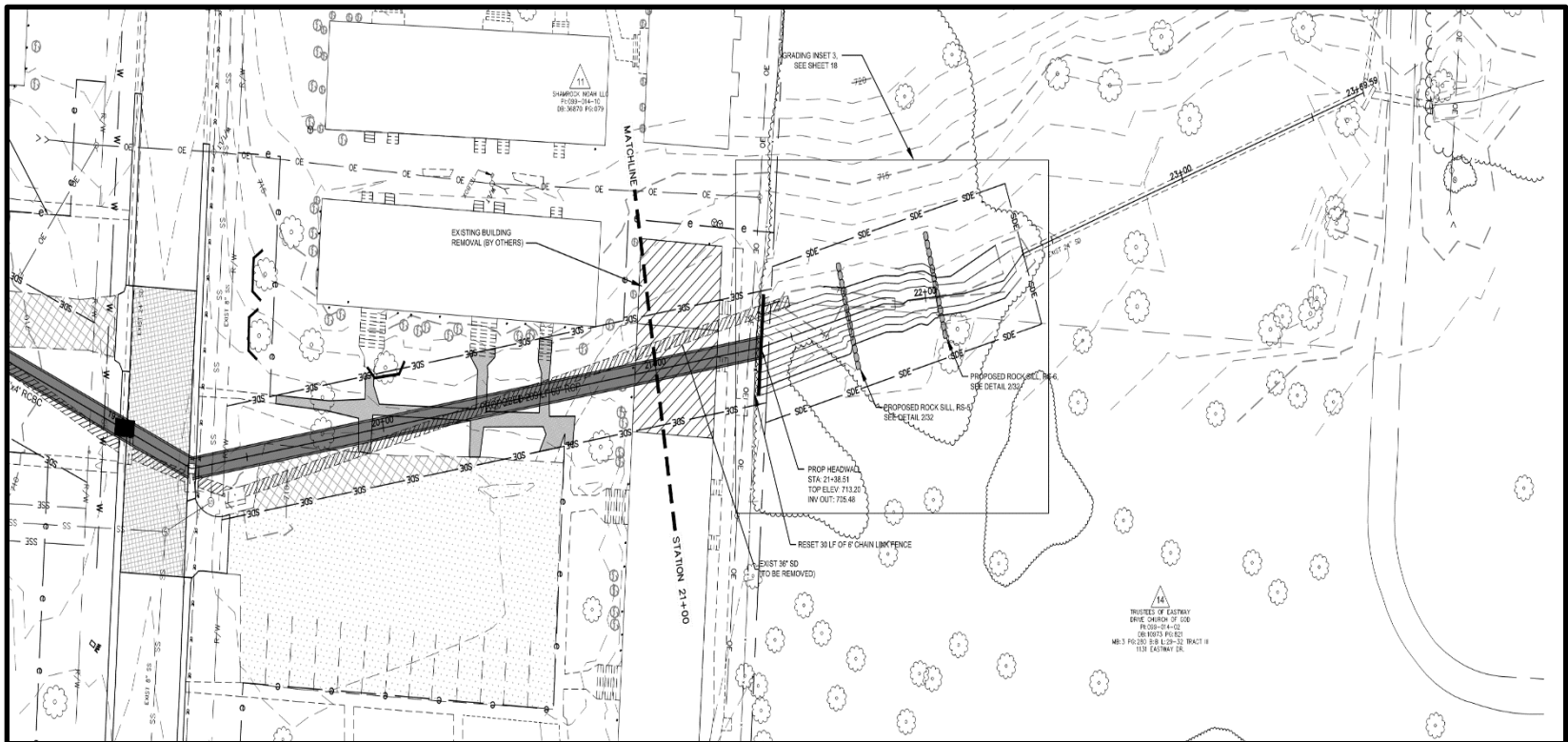
Proposed Design



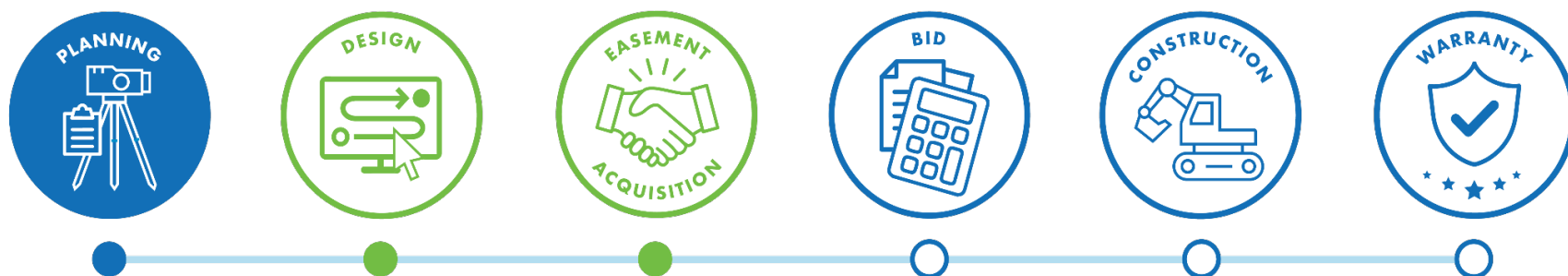
Proposed Design



Proposed Design



Project Phases



- The planning phase has been completed
- Design and easement acquisition are the current phases

Design

- All permits will be obtained
 - Section 401/404
 - Erosion and Sedimentation Control
 - Charlotte Water
 - CDOT
- All easements will be acquired
- Construction documents will be completed
 - Plans
 - Specifications
 - Construction Cost Estimate

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
- Easements do not reduce the size of your property, but it does create some limitations on the use of the area

Easement Types

Storm Drainage Easement (SDE)

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

Temporary Construction Easement (TCE)

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

Other types of easements include Public Utility Easement (PUE) and Sanitary Sewer Easement (SSE).

Easement Acquisition

Properties shaded green will require easements for this project.



Bidding



Bid advertisement



Bid opening

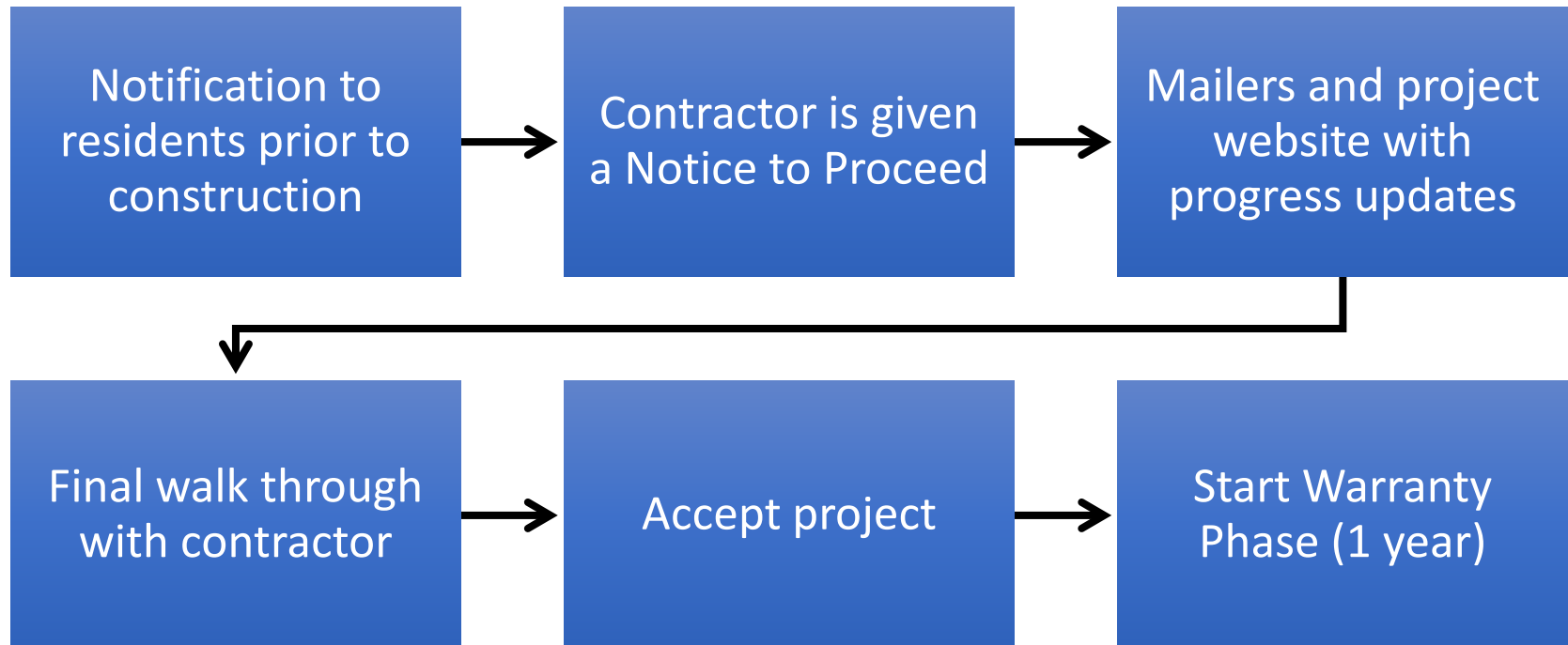


Recommendation for approval and City Council award



Pre-construction meeting with contractor

Construction



What Happens Now



A representative from ORC Real Estate Solutions for Infrastructure will contact you if we need an easement for construction and/or maintenance purposes



Please remember to sign-in



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!