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# **Hidden Valley Water System Improvements Project**

**PUBLIC MEETING RECORDING: AUGUST 5, 2021**

# Agenda

- ▶ **Welcome**
- ▶ **Introduce Project Team**
- ▶ **Project Overview/Need**
- ▶ **Project Schedule**
- ▶ **Construction Details/Impacts**
- ▶ **Pressure Change**
- ▶ **Stay Connected**

# Project Team

**OWNER**

## Charlotte Water

Amy Vershel & Ryan LeBlanc  
Project Managers  
Katie Liebman,  
Communications

**CONTRACTORS**

## Sanders Utility Construction

Freddie Young

## BRS

Will Isenhour

**ENGINEER/PARTNERS**

## STV Engineering

Andrew Vane

## Brown & Caldwell

Andy Mitchell/  
Jay Fulmer

## Chernoff Newman Communications

Amanda DeWeese

# Project Overview

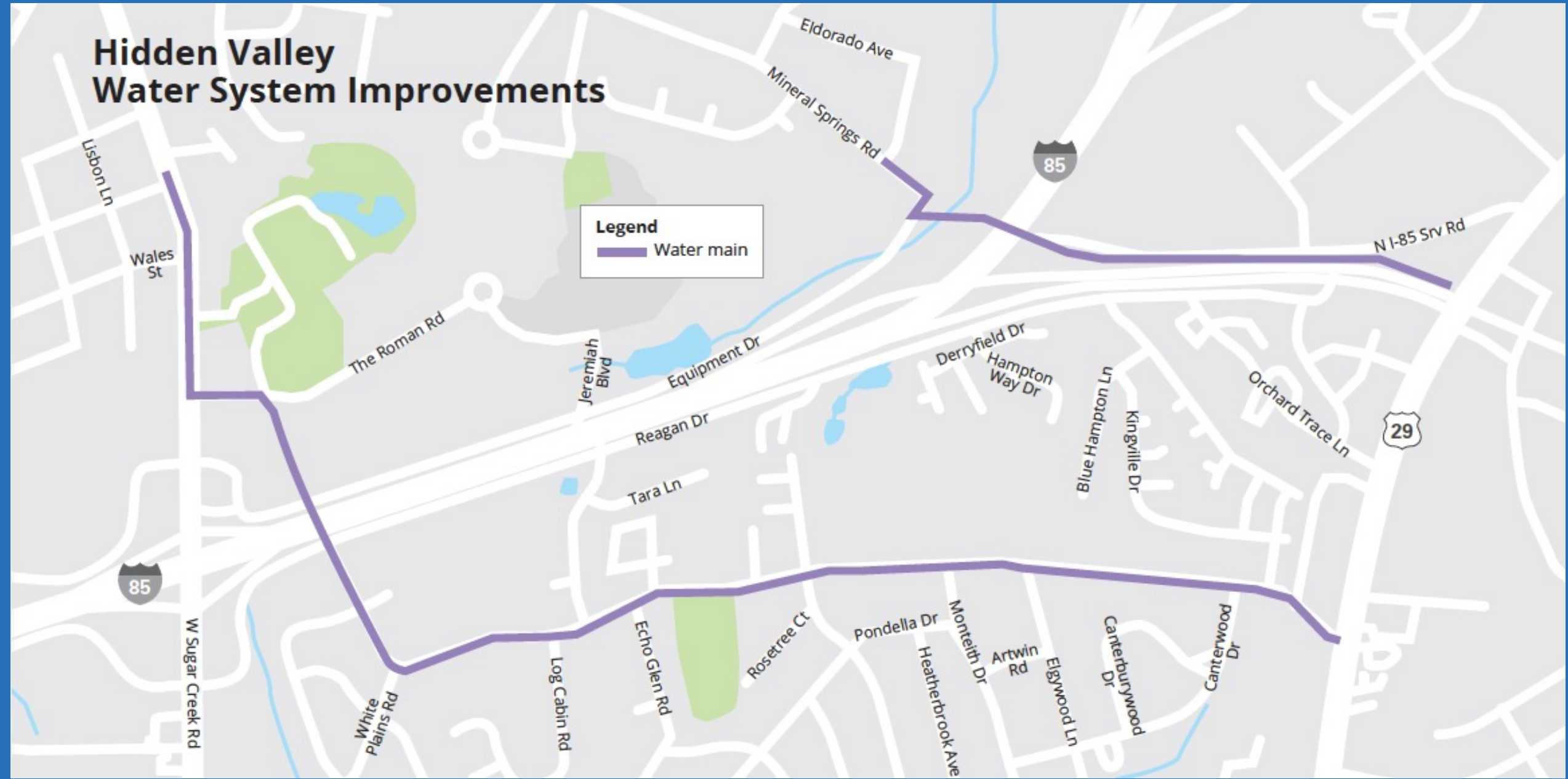
- ▶ Current water system in the Hidden Valley basin dates back to 1960s and is in need of an update.
- ▶ Historically, the community has experienced low water pressure.
- ▶ This project consists of installing new water pipes and replacing large valves that will help increase the pressure to customers in the Hidden Valley neighborhood.
- ▶ The average pressure increase is approximately 20 psi, roughly 50% more pressure than customers see today.

# Project Overview

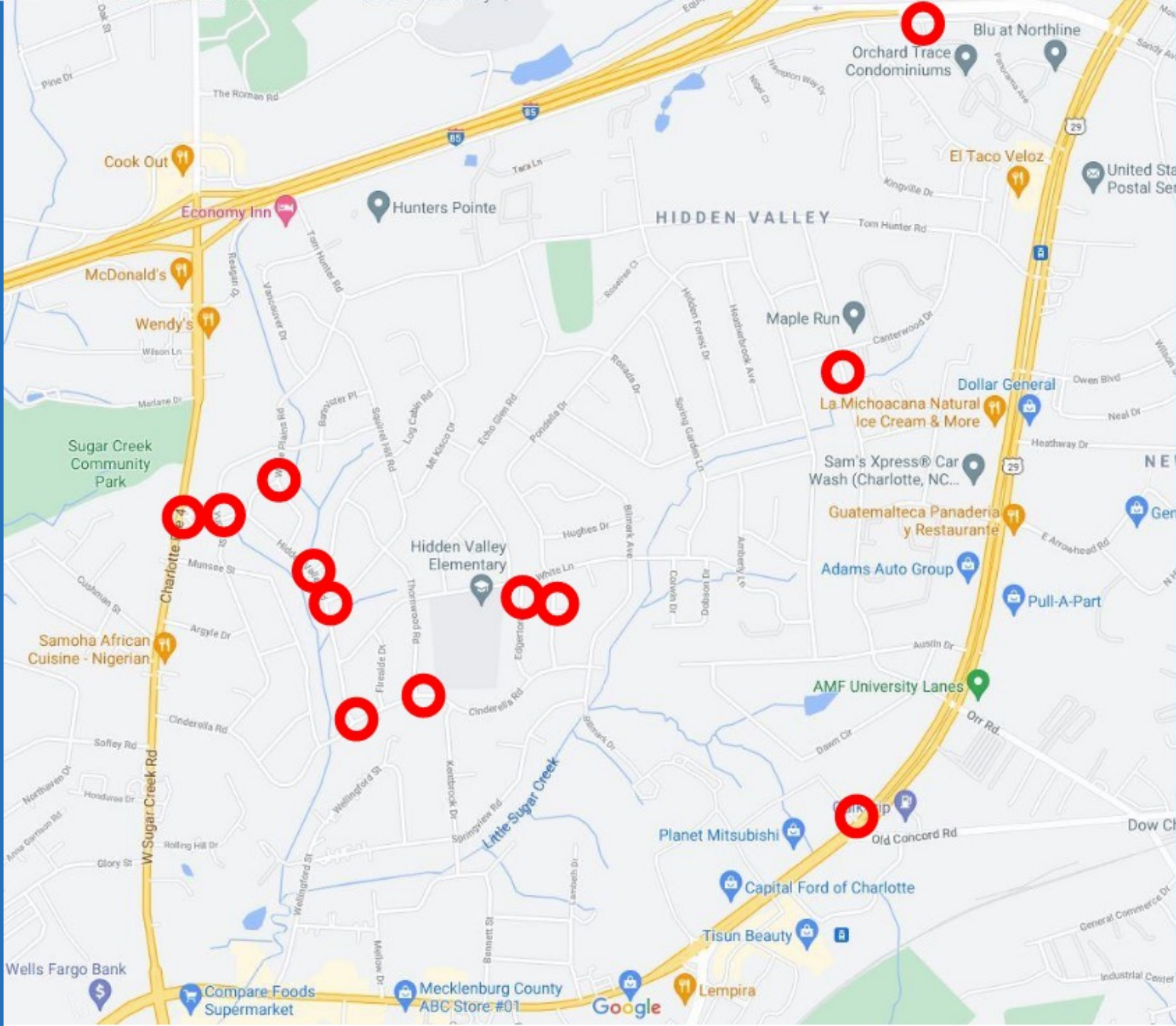
- ▶ Approximately 15,000 linear feet of water main will be installed under Tom Hunter Road from W Sugar Creek Road to N Tryon Street with a streetscape project following
- ▶ Replacing 12 valves in the streets and public right-of-way within the Hidden Valley neighborhood.

# Hidden Valley Water System Improvements

**Legend**  
Water main



# Valve Locations



# Valve Locations

- ▶ Reagan Drive/Graham Meadow Rd (Orchard Trace)
- ▶ N. Tryon/Old Concord Rd
- ▶ W Sugar Ck Rd/Hidden Valley Rd/Yuma St (two locations)
- ▶ Mebane Dr/White Plains Rd
- ▶ Log Cabin Rd/Hidden Valley Rd
- ▶ Squirrel Hill Rd/Hidden Valley Rd
- ▶ Snow White Ln/Fireside Dr
- ▶ Cinderella Rd/Thornwood Rd
- ▶ Snow White Ln/Edgerton Dr/Pondella Dr
- ▶ Cinderella Rd/Bilmark Ave
- ▶ Elgywood Ln/Canterwood Dr



# Project Progress

*What's been done to date?*

- ▶ Land surveying and underground utility markings
- ▶ Geotechnical investigations
- ▶ Video inspections
- ▶ Design of new water main
- ▶ Easement acquisitions are ongoing

# Easement Acquisitions

- ▶ Properties along the route that will be impacted have been contacted by real estate representatives with TELICS
- ▶ Easement negotiations for impacted on north side of I-85, along W Sugar Creek Road are expected to be completed in fall 2021



# Construction

# Construction Timeline

- ▶ Fall 2021 for start Tom Hunter water main work and streetscape project
  - Expected 18 months to complete
- ▶ Spring 2022 for start pressure valve work in Hidden Valley neighborhood
  - Expected 4 months to complete

# Water Main Construction Activities

- ▶ Clearing and trimming within easements
- ▶ Moving equipment on site and delivering/storing pipe
- ▶ Establishing a safe work zone
- ▶ Traffic control measures (as needed)
- ▶ Trench digging, placing pipe and back filling
- ▶ Blasting (as needed)
- ▶ Construction traffic within the easements

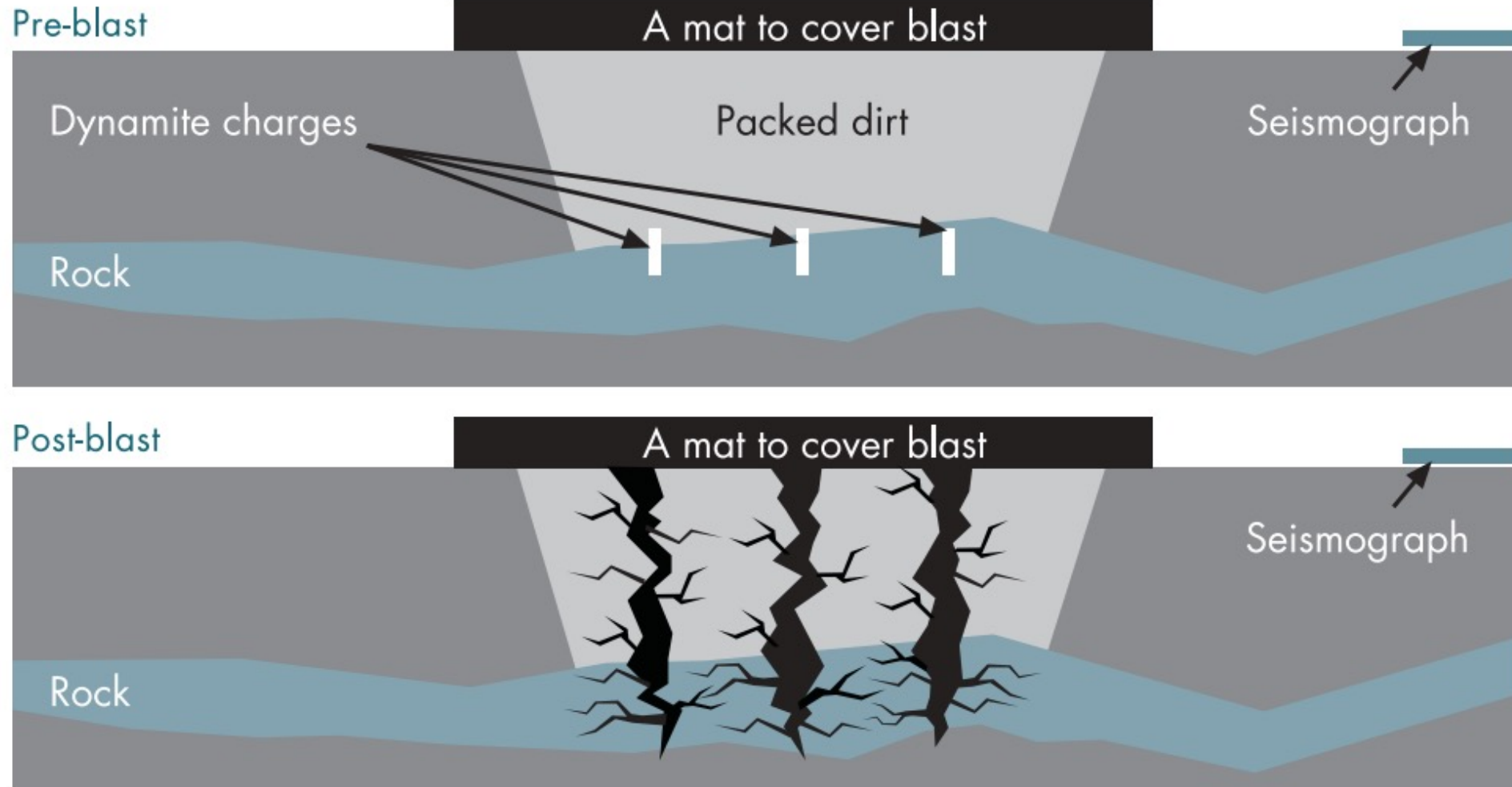
# Water Service Interruptions

- ▶ Planned water outages will be communicated to affected customers 72 hours in advance
- ▶ Unplanned water outages are considered emergencies and will be repaired as soon as possible
- ▶ If you experience cloudy, discolored water, please run cold water for up to 15 minutes. If it doesn't clear, call 311 and say "water emergency" for assistance

# What is Rock Blasting?

- ▶ Removal of underground rock by use of small controlled blasting
- ▶ Blasting is a standard construction procedure
- ▶ Seismograph monitors will record all vibrations to ensure they are within specifications
- ▶ Impacted property owners will have opportunity for pre-blast surveys

# Rock Blasting





# Streetscape Project along Tom Hunter

- ▶ Concurrent with water main work, beginning in fall 2021
- ▶ Approximately 3,000 linear feet of water main and 2,000 linear feet of storm drain
- ▶ Sidewalks, curb and gutter
- ▶ Bike lanes
- ▶ Paving and new striping

# Valve Construction Activities

- ▶ Moving equipment on site
- ▶ Establishing a safe work zone
- ▶ Road closures and detours
- ▶ Excavating in the streets, installing valves and back filling
- ▶ Construction traffic within the streets
- ▶ Paving area once construction is complete

# Mobilization & Preparation

## MOBILIZATION AND SITE PREPARATION



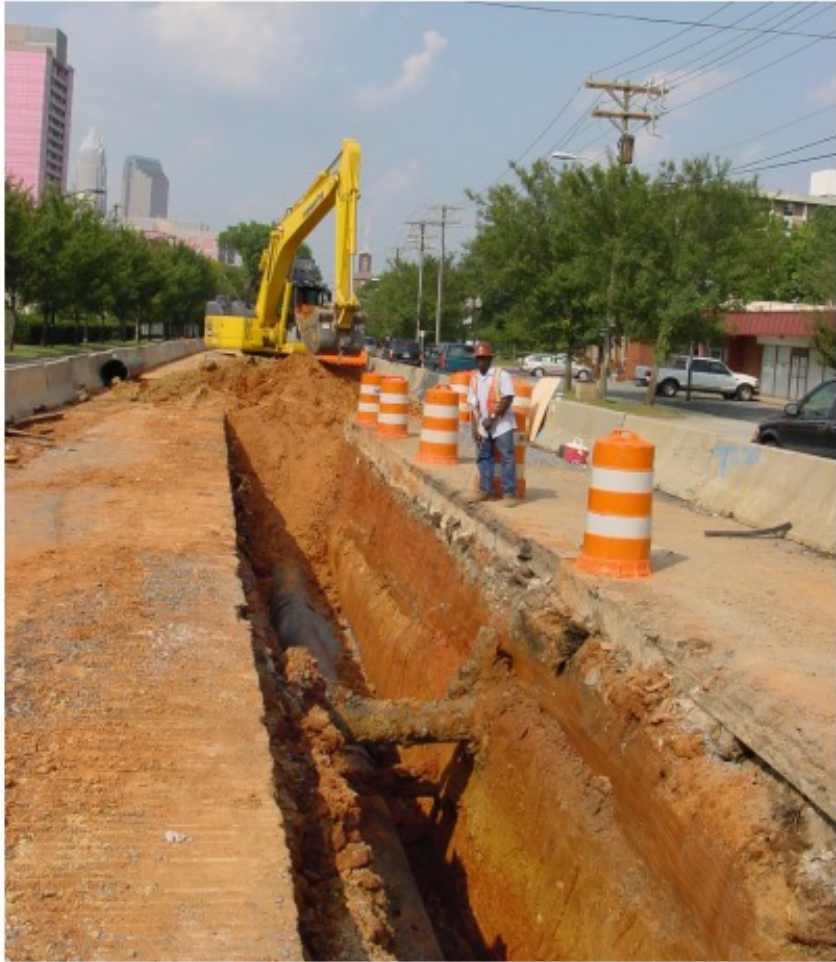
Silt fencing prevents soil /sediment from washing away.

## CONSTRUCTION ZONE



Construction zones will be large enough for excavators and dump trucks to move.

# Active Construction



24-inch drinking water pipe installation.



Crews dig at strategic locations reducing the amount of lane closures, pavement repair, and inconvenience to customers.

# Active Construction



6-inch drinking water pipe replacement project including new service pipes to each water meter.

# Construction & Restoration



In some cases the whole street may be repaved.

# Restoration



CLTWater will restore most areas with grass seed and straw.



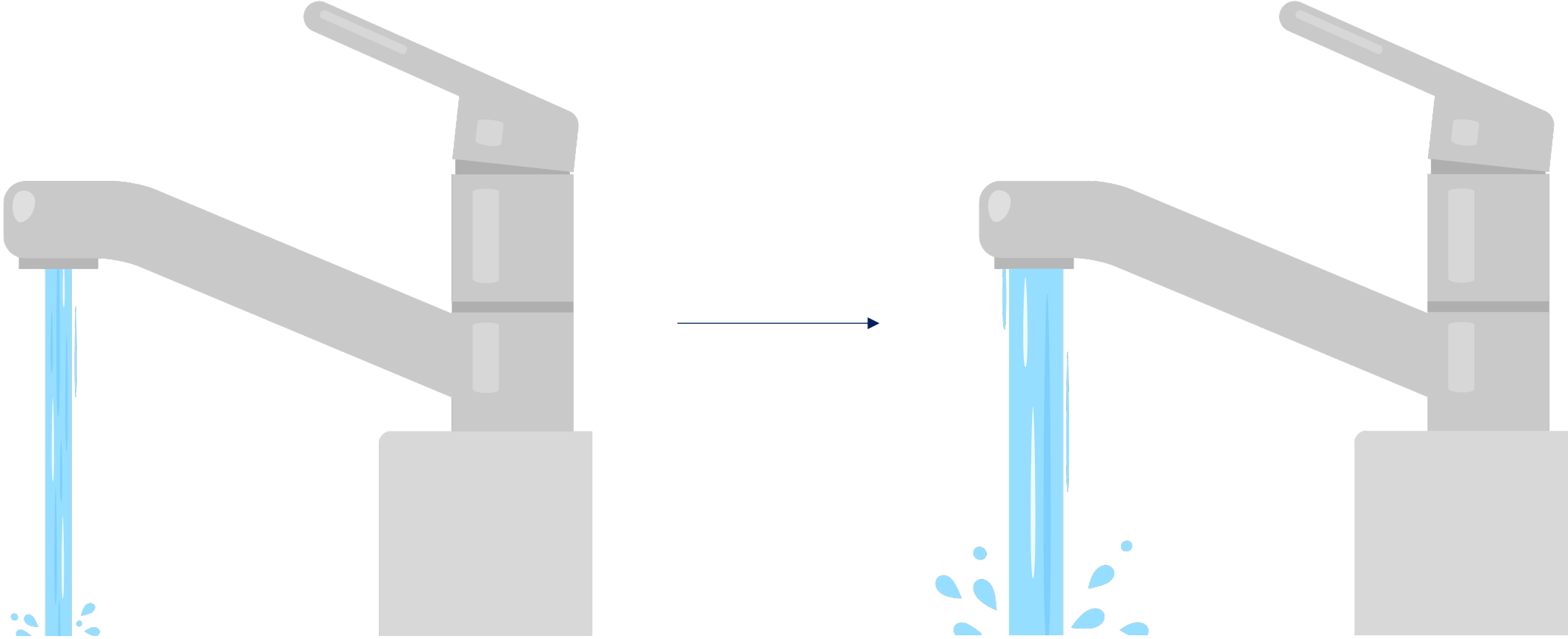
Crews may patch the road to reopen and later repave or complete restoration efforts after the pipe installation is complete.

# Water Pressure Change

- ▶ Once construction is complete, the valves will be activated with immediate increase to water pressure in the Hidden Valley area.
- ▶ All residents and businesses will be notified well in advance of this transition.
- ▶ Average water pressure increase will be 20 psi when construction is complete and valves are opened, approximately 50% more pressure than customers see today.



# Water Pressure Change



# HomeServe

- ▶ Impacted property owners will receive a 12-month policy (free of charge) to cover interior plumbing, exterior service line and \$500 in addition of leak adjustments on their water bills.
- ▶ No sewer coverage will be provided.
- ▶ Customers will have the opportunity to renew policy if they choose, but at cost.
- ▶ Customers will receive information packet well in advance of transition.

# Next Steps

- ▶ Finalize easement acquisitions
- ▶ Mobilization and construction for water main work along Tom Hunter – fall 2021
- ▶ Pre-blast surveys
- ▶ Mobilization and construction of pressure valves in Hidden Valley neighborhood – spring 2022

# Stay Connected

- ▶ Visit project webpage: [bit.ly/HiddenValleyCLT](http://bit.ly/HiddenValleyCLT)
- ▶ Charlotte Water project contacts:
  - Amy Vershel, [Amy.Vershel@charlottenc.gov](mailto:Amy.Vershel@charlottenc.gov), 704-336-1077
  - Ryan LeBlanc, [Ryan.LeBlanc@charlottenc.gov](mailto:Ryan.LeBlanc@charlottenc.gov), 704-336-1049
- ▶ Mailers and door hangers
- ▶ Neighborhood/homeowners' associations
- ▶ Nextdoor posts

CHARLOTTE  
WATER

 CITY OF  
CHARLOTTE