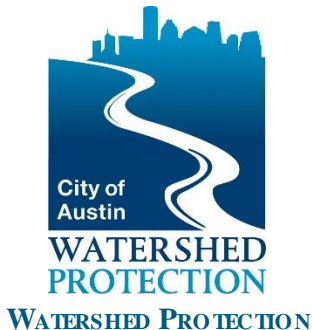


Little Walnut Creek Flood Risk Reduction Project: Metric to Rutland

April 12, 2021

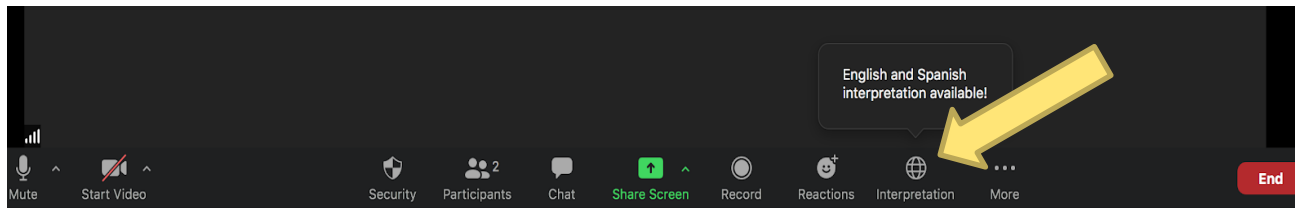


PUBLIC WORKS



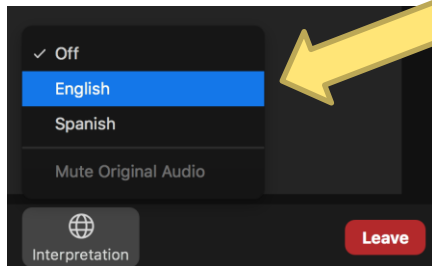
Assessing Interpretation

1.



Click the Globe Icon

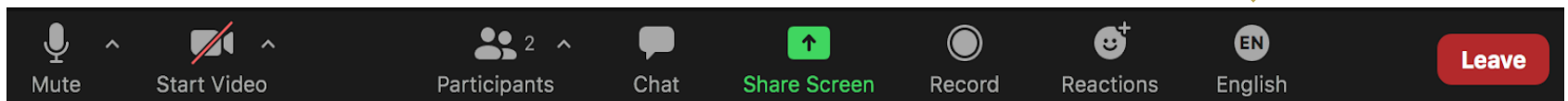
2.



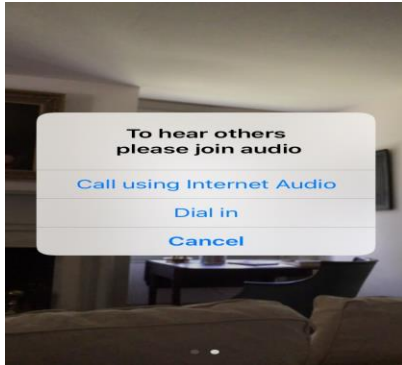
Select your preferred language

You are set!

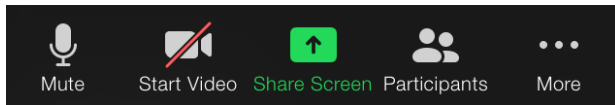
3.



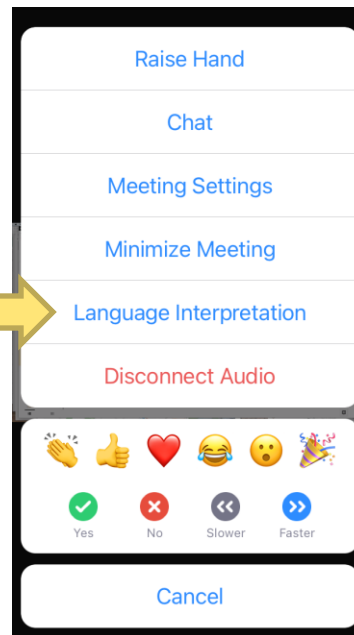
Accessing from a cell phone (or tablet)



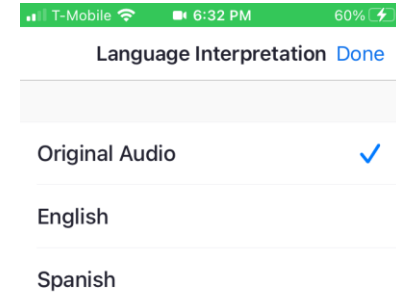
1. Connect using internet audio



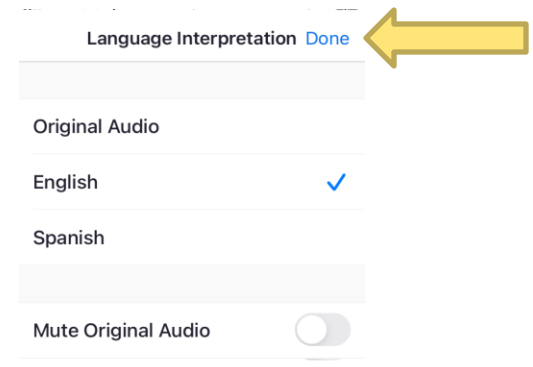
2. Click MORE to find interpretation



3. Click language interpretation



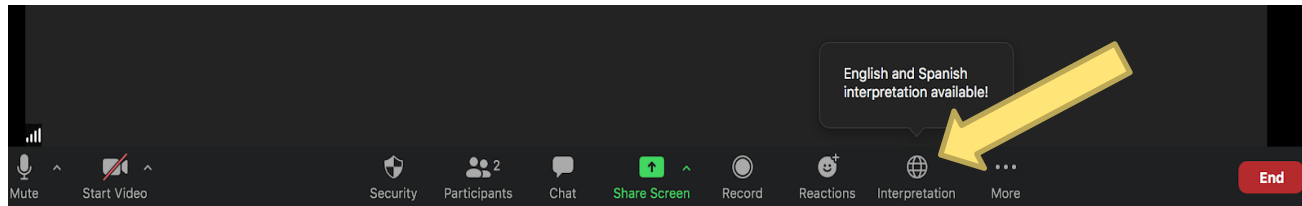
4. The default is original audio. Unclick it and select your preferred language (English)



5. Click **DONE** and you're all set!

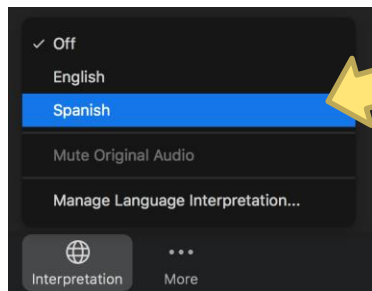
Cómo acceder a la interpretación

1



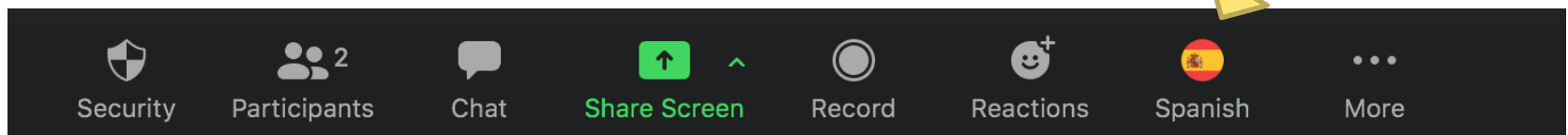
Haz click en el ícono del globo

2



Elige tu idioma de preferencia

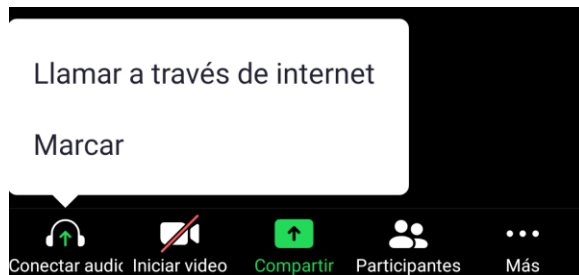
3



¡Listo!

¿Cómo me conecto desde mi celular o tableta?

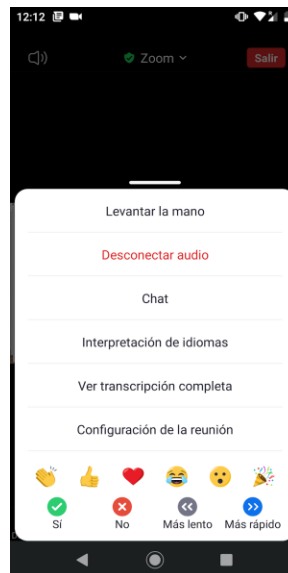
1. Al entrar, elige **llamar a través de internet**



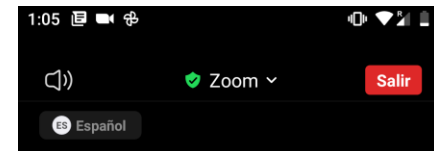
2. Haz clic en **MÁS** para encontrar interpretación



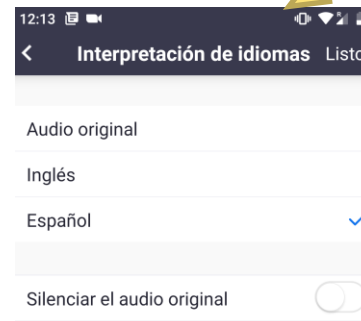
3. Haz clic en **interpretación de idiomas**



4. Estará elegido **Audio original**. Necesitas escoger **español**.



5. No olvides presionar **Listo**.



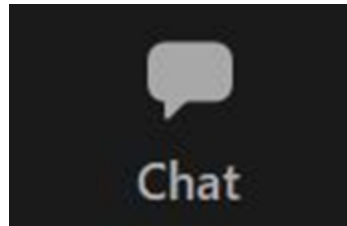
6. En la esquina verás que dice **“español”**, el idioma que has elegido.

Agenda

- **Welcome and Logistics**
- **Project Team Introductions**
- **Project History/Overview**
- **Questions and Answers**
- **Conclude**

Welcome and Meeting Logistics

- **Ask for technical assistance from the meeting hosts in the Chat**



- **Submit questions or comments for the presenters**

Project Team

- **Project Manager**

- Minda Sarmiento, P.E. (Public Works Department)

- **Project Inspector**

- Daniel Kankel (Public Works Department)

- **Project Sponsors**

- David Trujillo, P.E. CFM (Watershed Protection)

- David Mosqueda, P.E. (Austin Water)

- Mueen Chowdhury, P.E. (Austin Water)

Project Team

- **Project Engineer/Consultant**

- Francisco Arce, P.E. CFM (BGE)
- Josh Janysek, P.E. (BGE)
- Heath Green (BGE)

- **Contractor**

- Scott Blanda (Peabody General Contractors)
- Bob Cline (Peabody General Contractors)

Project History

- **Past Neighborhood Meetings**

- December 2014 – 60% Design Overview
- January 2016 – Project Update
- May 2018 – 90% Design update

- **Recent Project Events**

- October 2020 – Contractor Solicitation
- February 2021 – Contractor Award

Flooding in Austin

- **Historic Flooding in Neighborhood**

- Memorial Day Flood of 1981

- Widespread flooding throughout the City
 - Project area had approximately a dozen houses flooded

- **More Recent Flooding in Austin**

- October 2013 (1st Halloween Flood)

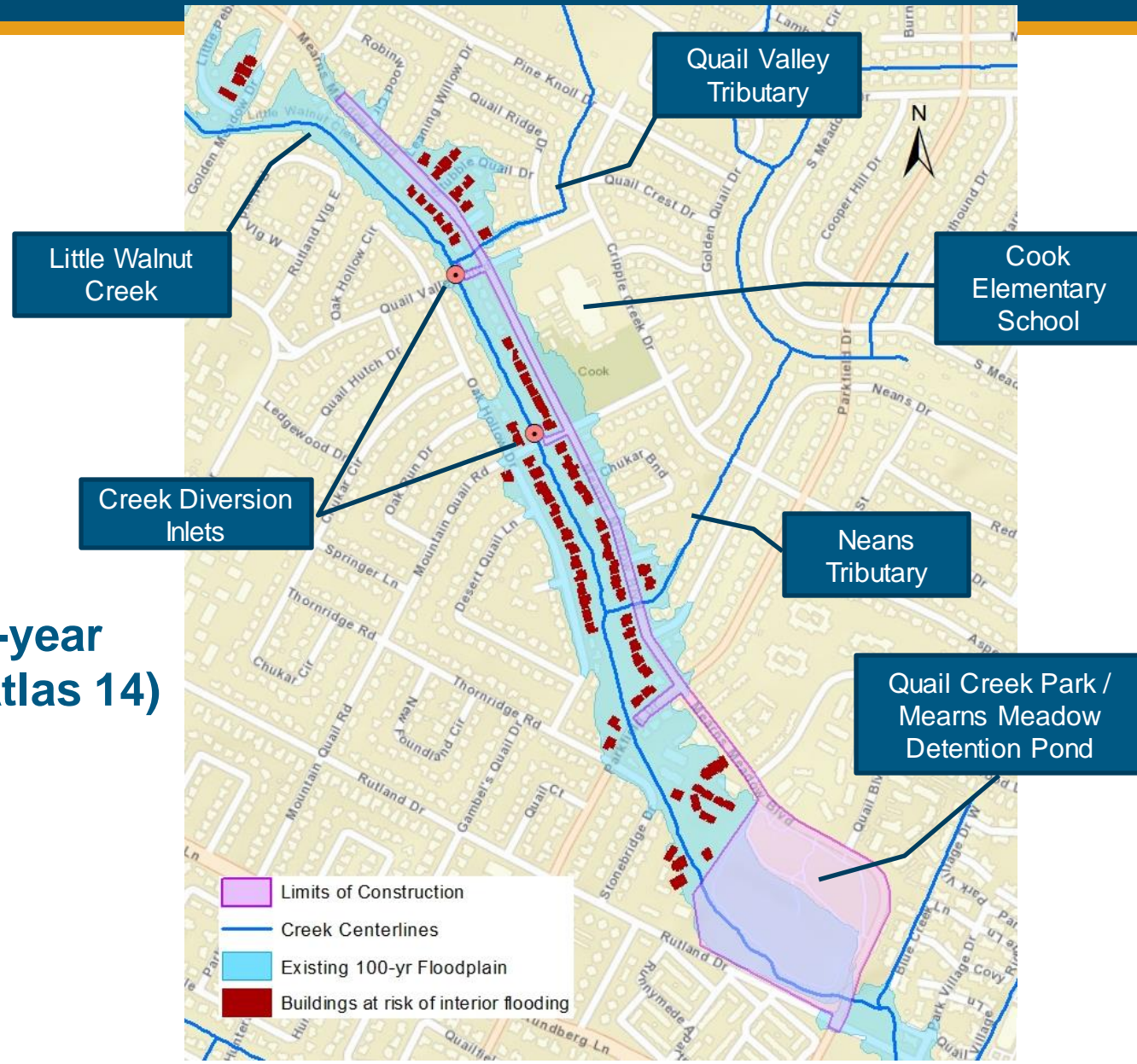
- May 2015

- October 2015 (2nd Halloween Flood)

- **The project area would have experienced widespread flooding if the 2013 & 2015 storms had hit the Little Walnut watershed.**

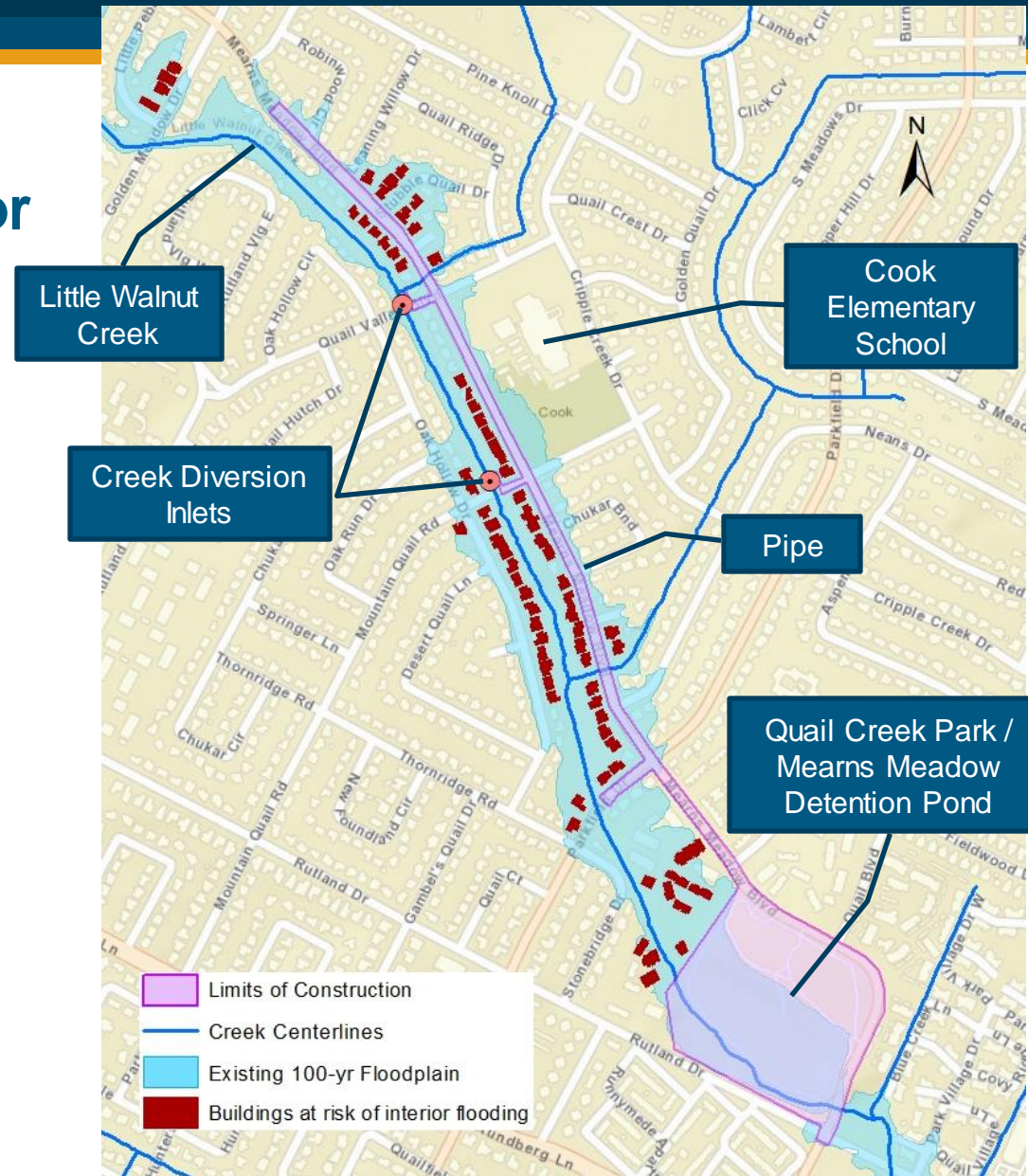
Project Area

- 77 homes in 100-year floodplain (pre Atlas 14)



Project Goals & Summary

- Reduce risk of interior flooding to homes
- Reduce depth of flooding in streets
- Improvements to:
 - Stormwater Drainage
 - Water Quality
 - Water and Wastewater Infrastructure
 - Quail Creek Park
 - Mearns Meadow Blvd



Project Overview

Stormwater Drainage Improvements

- 70-foot creek side weir at Mountain Quail Rd
- 54-foot creek side weir upstream of Quail Valley Blvd
- 4,200 feet of large reinforced concrete box culvert (8x6 ft to 13x10 ft)
- 1,900 feet of reinforced concrete pipe (18-inch to 72-inch)
- 36 new street curb inlets (600 feet of new curb inlet openings)
- Pond in Quail Creek Park improved to mitigate flows. Capacity and outlets modified.

Stormwater quality

- Creek side weirs are set above the 1-year creek water surface elevation.
- Maintain base flow and reduce 2-year erosion
- Bio-swales will be included in the pond area to help with water quality

Project Overview

Water and Wastewater Improvements

- 5,900 feet of 8-inch to 12-inch waterline and remove 2,050-feet of asbestos pipe
- 10,200 ft of 8-inch to 18-inch wastewater main to intercept wastewater from the north side of the creek.

Street Reconstruction

Quail Creek Park Improvements

- Trails
- Play fields
- Exercise equipment

Project Elements



- **Shared use path at park entrance to Parkfield Dr.**

- **20-foot curb inlet**



Culvert Improvements at Quail Valley

- **Existing:**
 - 4 - 8' wide by 4' tall box culverts
- **Proposed:**
 - 2 – 10' wide by 5' tall box culverts; and
 - 12'x12' diversion box culvert
- **Bridge would be brought into compliance with Drainage Criteria Manual requirements**



Existing Quail Valley Bridge
Looking Upstream

Quail Creek Park Improvements



Project Phasing

The Project has been broken into five (5) phases.

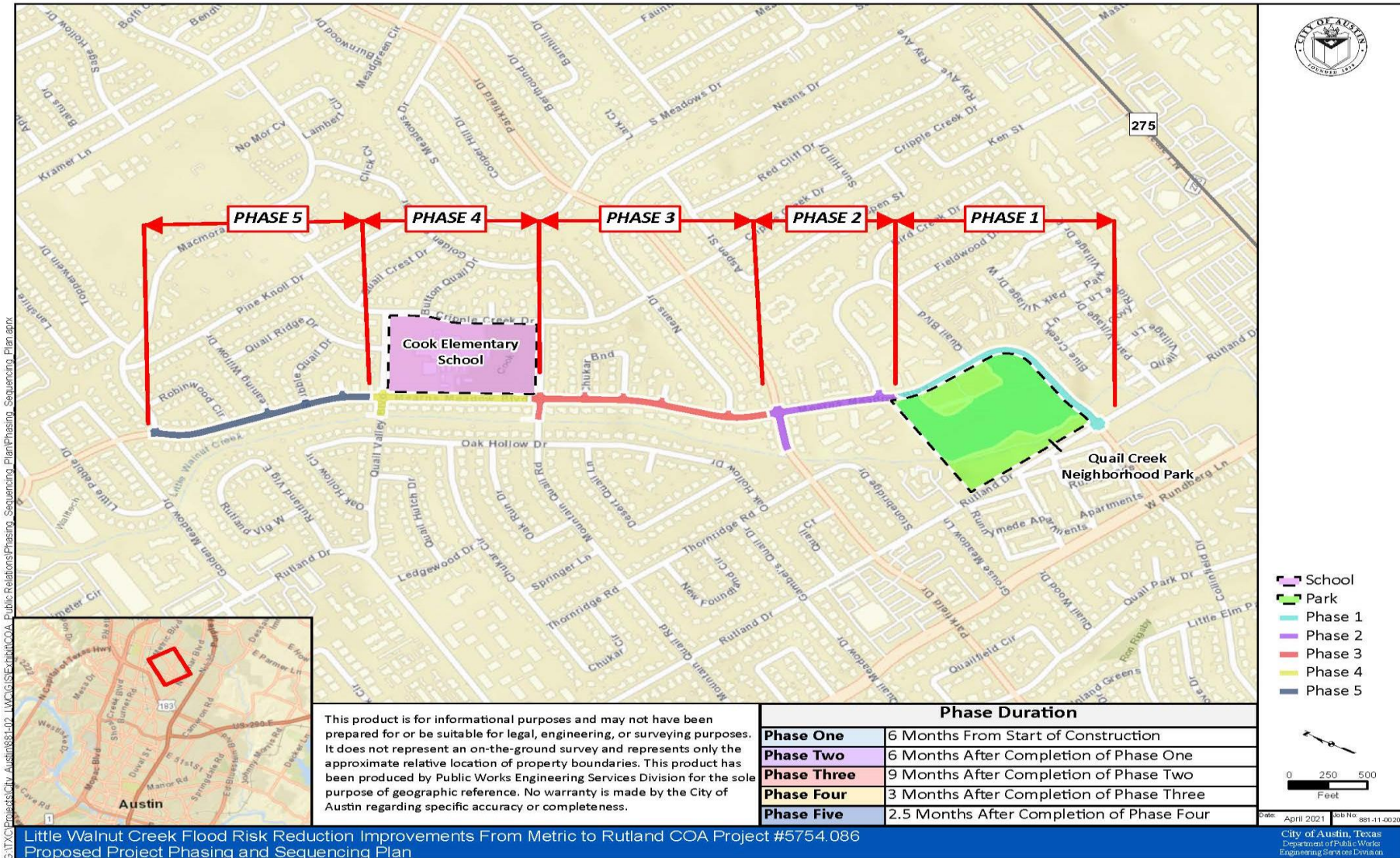
- **Phase 1 – Quail Creek Drainage improvements and wastewater improvements along Mearns Meadow from Rutland to new Quail Creek West.**
- **Phase 2 – Mearns Meadow Water, Sewer and Drainage improvements from Quail Creek Park thru the Parkfield Intersection. Phase Includes Wastewater improvements along Parkfield.**
- **Phase 3 - Mearns Meadow Water, Sewer and Drainage improvements from just west of Parkfield intersection thru the Mountain Quail intersection. Phase includes the Mountain Quality side weir and associated improvements along Mountain Quail to Mearns Meadow**

Project Phasing

The Project has been broken into five (5) phases.

- **Phase 4 - Mearns Meadow Water, Sewer and Drainage improvements from just west of the Mountain Quail intersection thru the Quail Valley intersection. Phase includes the Quail Valley side weir and associated improvements along Quail Valley to Mearns Meadow**
- **Phase 5 - Mearns Meadow Water, Sewer and Drainage improvements from just west of the Quail Valley Intersection to the end of the project near Robin Wood Circle**

Project By Phase



Project Duration

- **Construction duration is expected to be 3 years (June 2021 – May 2024)**
- **Construction includes three separate utilities: water, wastewater and stormwater**
- **Work will be performed in sections along the street ROW with appropriate traffic control setup to maintain access for customers and emergency vehicles.**
- **The construction duration and expected productivity rate are based on many factors:**
 - Scope and complexity of the project
 - Traffic conditions
 - Hard rocks encountered during excavation
 - Congested existing utilities
 - Coordination with residences around the work area

What to Expect During Construction

- **Digging**

- The contractor will use heavy equipment to dig trenches for the new water and wastewater lines. The roads will be patched after the line is installed. All roads will be repaved at the end of the project.
- Crews will work in front of your property a number of times to complete each phase of the project, including excavation, pipe installation, temporary paving, testing, repairs, if necessary, and final paving.

- **Utility: Temporary water shut-offs**

- 48-hour notice prior to shut-offs
- The City will reach out to Austin Resource Recovery to make arrangements for trash and recycling pick-ups.

What to Expect During Construction

- **Traffic: Lane closures on Mearns Meadow between Metric and Rutland**
 - We will close lanes of traffic. You will always have access to your home - for brief periods, driveway access may be limited.
 - Bus detours
 - No parking in work areas
- **Park Closures**
 - Soccer field and other areas
 - Partial Park Closure (Brownie Park can be used for soccer while Quail Creek Park is closed)
 - Exercise equipment Removed
 - Portion of park with playscape will remain open (Hackberry Forest)

Project Communications

- **Project Updates:** Sign up to receive updates by email. You can sign up at austintexas.gov/LittleWalnutCreek
- **Project Notices:** At least 48-hours before a planned water shut-off, the project inspector will leave a notice on your front door.

How to Submit a Question

- **By phone**
 - Press *9 if you'd like to speak.
 - Once you hear the prompt, press *6 to unmute and speak.
- **Online**
 - Submit questions or comments in the Chat
- **For emailed updates contact**
matthew.hart@austintexas.gov

