

# Little Walnut Creek Flood Risk Reduction Project: Metric to Rutland

May 17, 2018 Project Update



WATERSHED PROTECTION



AUSTIN WATER



BGE, Inc

# Project Team

- **Project Sponsors**

- Kacey Paul, P.E. (Watershed Protection)
- Michael Russ, P.E. (Austin Water)
- Mueen Chowdhury, P.E. (Austin Water)

- **Project Manager**

- Thuan Nguyen, P.E. (Public Works)

- **Project Engineer**

- Francisco Arce, P.E. (BGE, Inc.)

# Project Timeline – Since Last Meeting

- **Past Neighborhood Meetings**

- December 2014 – 60% Design Overview
- January 2016 – Project Update

- **Recent Project Events**

- 2016 – Design Changes
- 2017 – Water and Wastewater Improvements Incorporated
- May 2018 – 90% Design Submittal

# Flooding in Austin

- **Historic Flooding in Neighborhood**

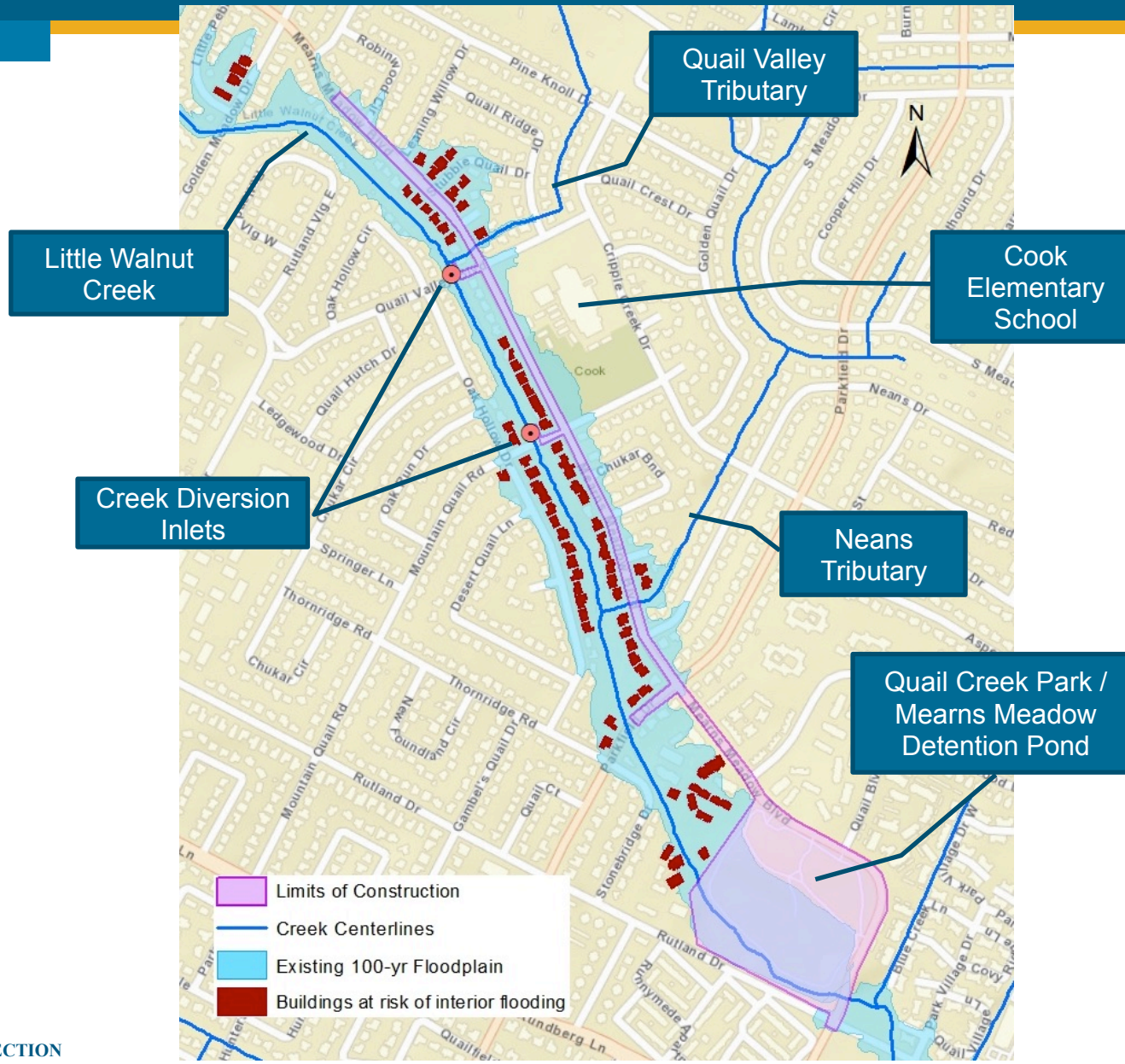
- Memorial Day Flood of 1981
  - Widespread flooding throughout the City
  - Project area had approximately a dozen houses flooded

- **Recent Historic Flooding in Austin**

- October 2013 (1<sup>st</sup> Halloween Flood)
- May 2015
- October 2015 (2<sup>nd</sup> Halloween Flood)

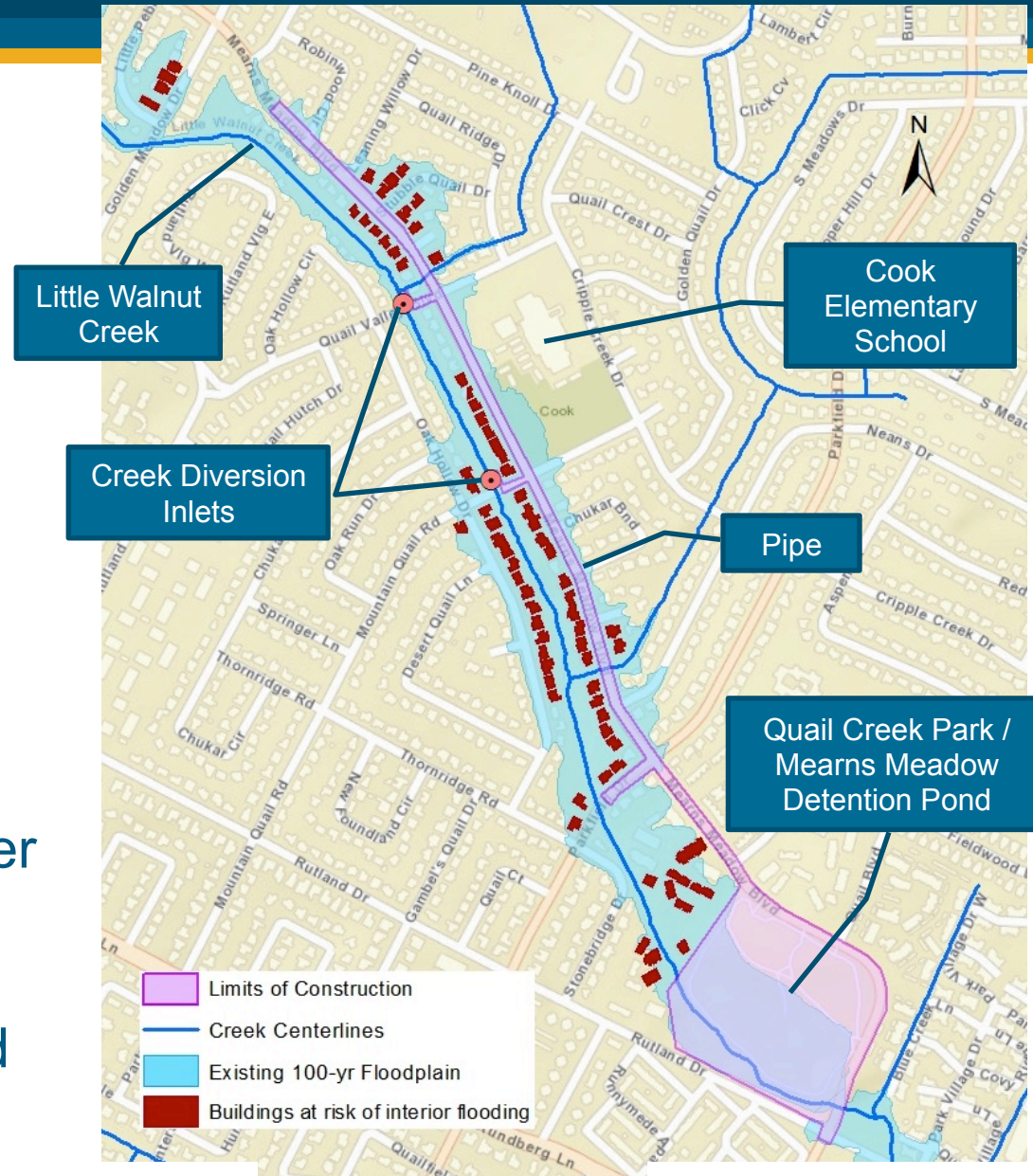
- **The project area would have experienced widespread flooding if the 2013 & 2015 storms had hit the Little Walnut watershed.**

# Project Area

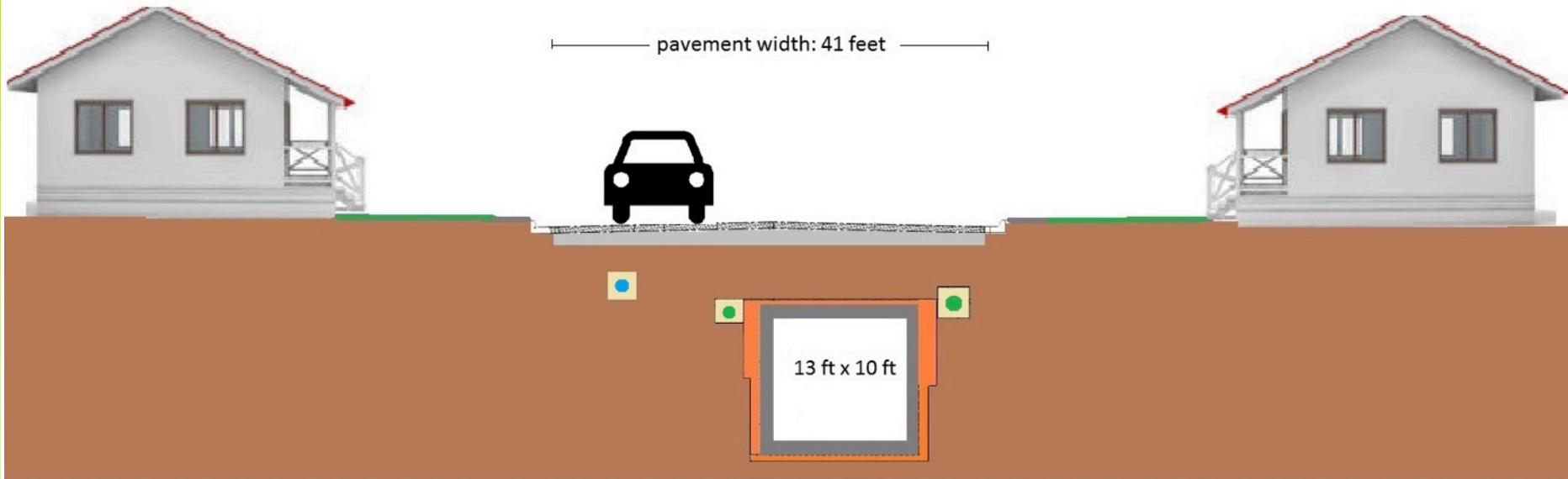


# Project Goals & Summary

- 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 Elements



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- **Shared use path along Mearns Meadow Blvd**

- **20-foot curb inlet**





# Quail Creek Park – Existing



# Quail Creek Park – Proposed



Pond Outline

Walking Path

ADA Ramp

# Quail Creek Park – Proposed



# Quail Creek Park Improvements

- **Trails -**

- New granite gravel and concrete trail to reconnect the looped trail around the pond
- Add ADA compliant trail

- **Play Fields –**

- Increase of flat, open mowed area

- **Park Exercise Equipment –**

- Park equipment to be relocated, preserved where possible, and replaced if needed.

- **Trees –**

- Removed trees will be replaced – with as many planted on site as possible

# Project Timeline – Next Steps

- **Next Steps**

- Final Design & Permitting: Now – Spring 2019
- Bid: Spring – Fall 2019
- Construction: ~3 years (Fall 2019 – Fall 2022)
  - Phasing Plan
  - Neighborhood Access
  - Temporary Park Closure

- **Next Meeting w/ Neighborhood**

- Meet the Contractor – Fall 2019

# Project Summary

- **Reducing flood risk to homes and streets**
- **Upgrading water and wastewater lines**
- **Improvements to Quail Creek Park**
- **Repaving Mearns Meadow Blvd in project area**
- **Shared use path on Mearns Meadow Blvd**

# Questions?

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