



Colorado Springs Utilities
It's how we're all connected

Austin Bluffs Water System Improvements

Nov. 5, 2025

Agenda

1. Team introduction
2. Meeting purpose and format
3. Definitions
4. Project background and overview
5. Noise analysis and abatement
6. Construction and traffic
7. Project timeline
8. Q&A

Team

- Larysa Voronova, Project Manager
- Vincent Livengood, Project Engineer (Tank and Pipeline)
- Rachel Knobbs, Project Engineer (Pump Station)
- Christian Meinhardt, Project Technical Lead
- Cameron Watson, Water Distribution Operations
- Pattie Benger, Community Engagement

City of Colorado Springs – Austin Cooper, Planner



Meeting purpose and format

- Inform neighbors and customers about the project
- Voluntary public information meeting.
 - City Planning will determine if another meeting is required during the public comment process.
- Provide an opportunity to ask questions before demolition and construction.
 - Q&A at the end of the presentation



Definitions*

- **Reliability:** The ability of a water system to deliver water when and where it's needed. A reliable system performs well during normal use and stressful conditions such as high demand or emergencies.
- **Redundancy:** Backup components – like pumps or pipes – built into the water system to keep water flowing, even if something fails or breaks.
- **Million Gallons (MG):** A unit of volume equal to one million gallons of water. That's equivalent to filling 1.5 Olympic swimming pools. A water tank with a capacity of 5 MG can store 5 million gallons of water.
- **Million Gallons per Day (MGD):** A flow rate measuring how much water moves through a system in one day. A pump station rated at 32 MGD can move 32 million gallons of water every 24 hours.
- **Water Tank:** A large container used to safely store water. Tanks help manage supply and demand, maintain pressure, and provide reserves for emergencies like firefighting.
- **Water Pump Station:** A facility that uses pumps to move water through the system. It increases water pressure so it can travel long distances or uphill, especially through transmission mains.
- **Water Transmission Main:** A large-diameter pipeline that carries water from one part of the system to another. Transmission mains connect water sources to neighborhoods, businesses, or other distribution points.

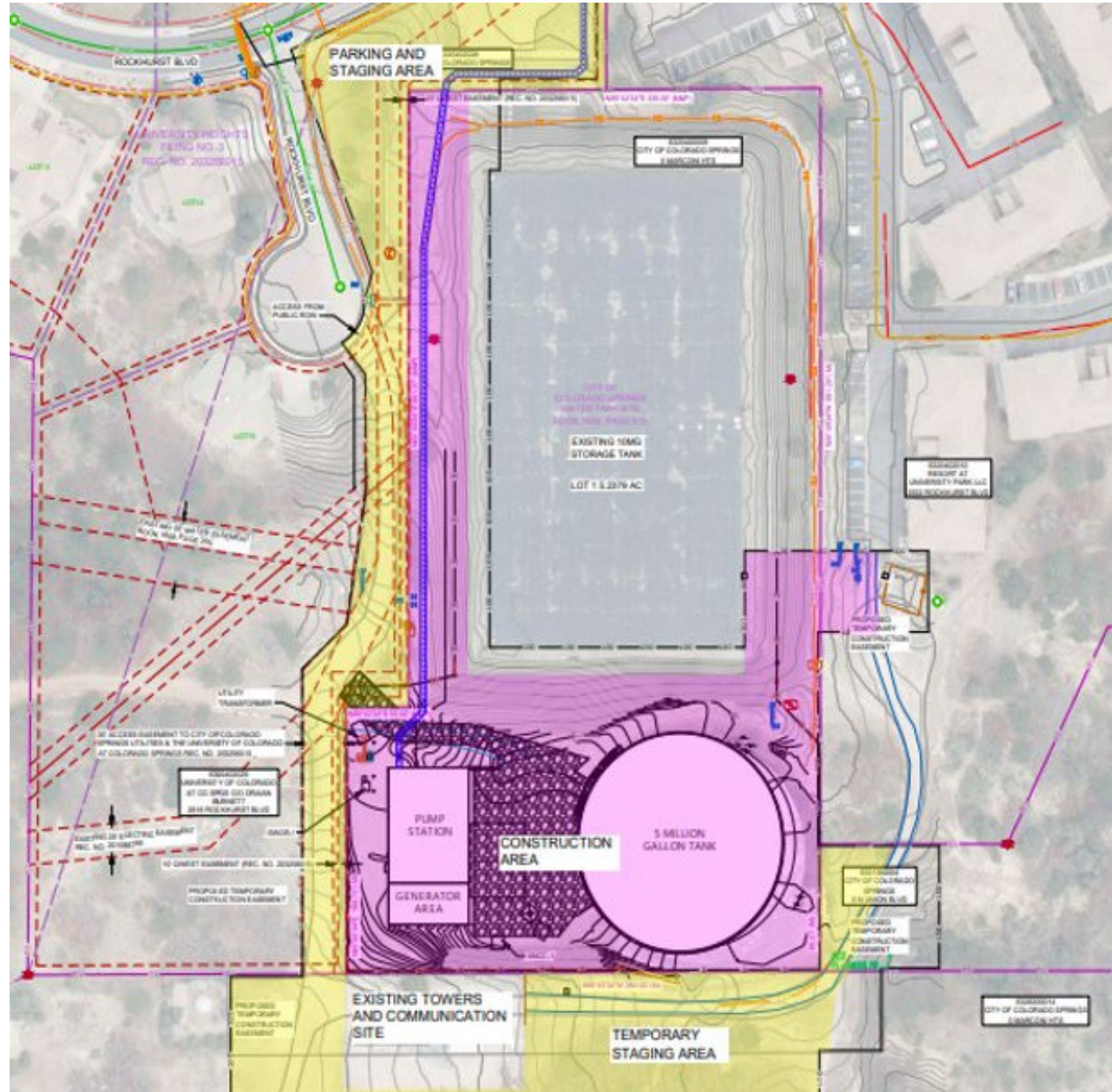
** Definitions are for general understanding and should not be interpreted as a legal or technical definition.*

Project Background and Overview

- Replace an existing 5-MG finished water tank that has reached the end of its useful life
- Build a new 32-MGD pump station and transmission main
- Further improve water supply for emergencies
- Project will increase reliability and redundancy in our system



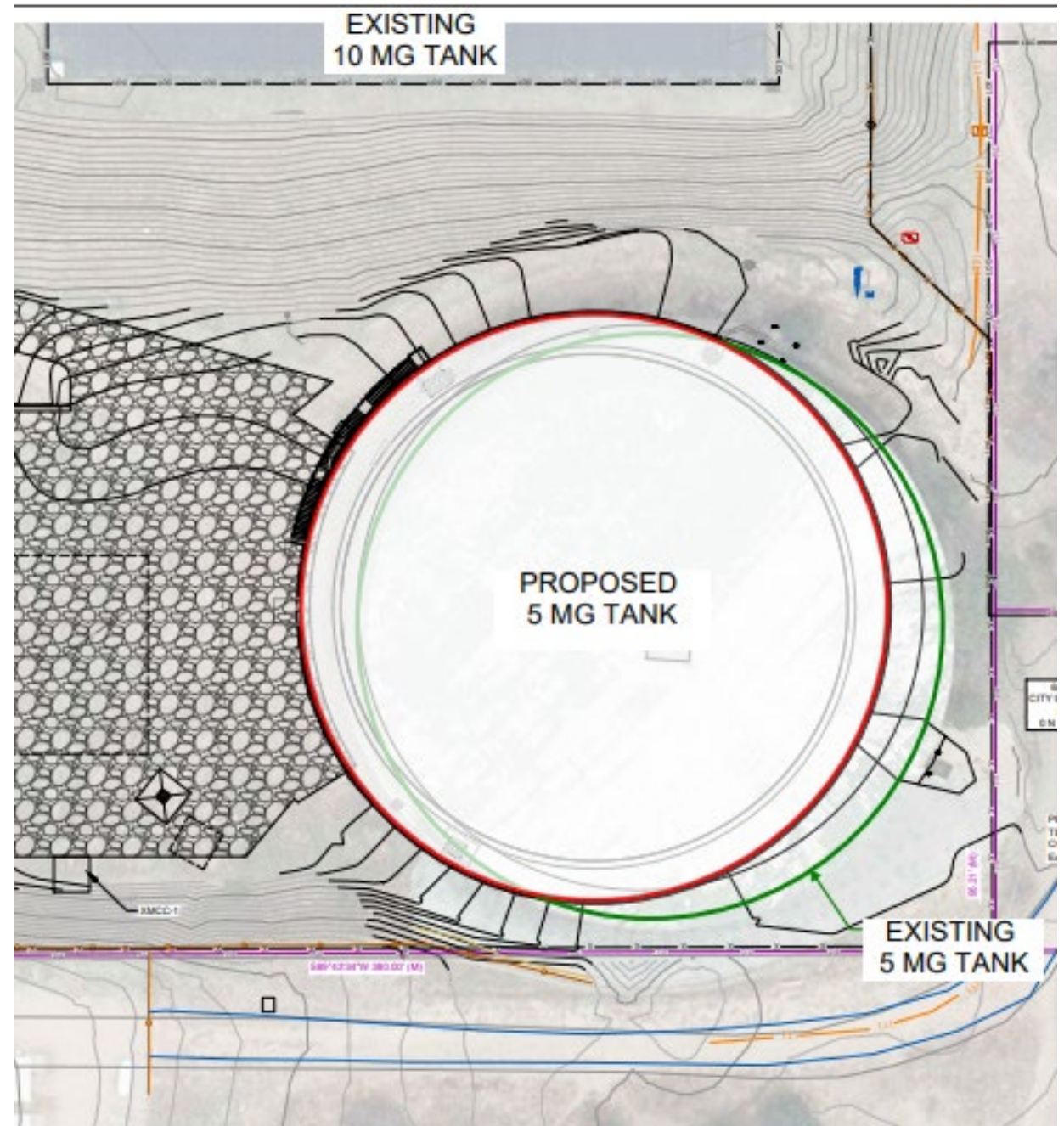
Construction Impacted Area



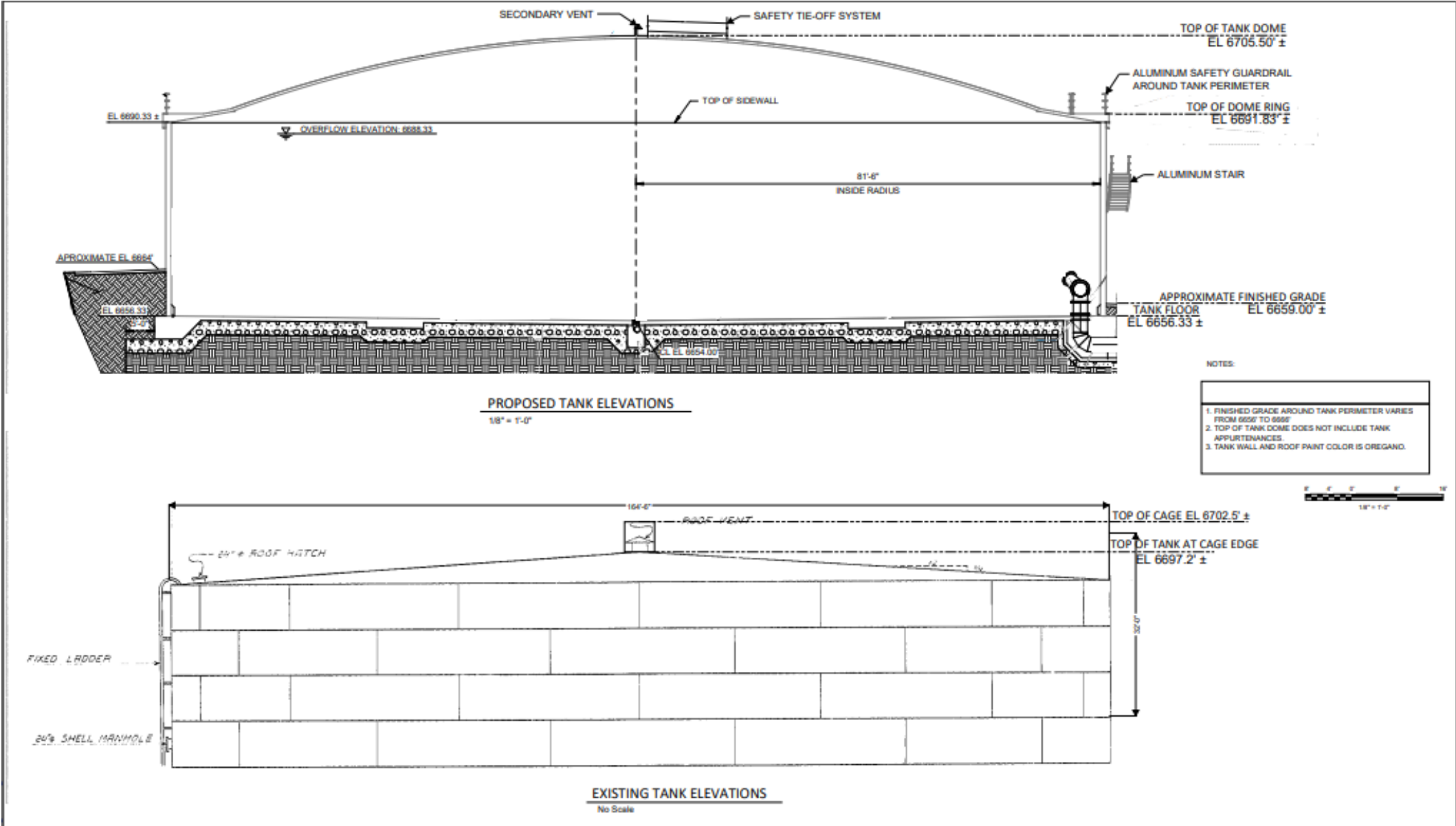
Project Overview

Replacement Water Tank

- Existing steel tank elevation is 6697.2' on a concrete pad
- Tank site is sloped
- The new concrete tank will be about the same diameter and a maximum* elevation of 6,705.5'
 - *Rooftop equipment will add some additional height
- New tank will shift to the west ~1' and be built into the slope to mitigate visual impacts



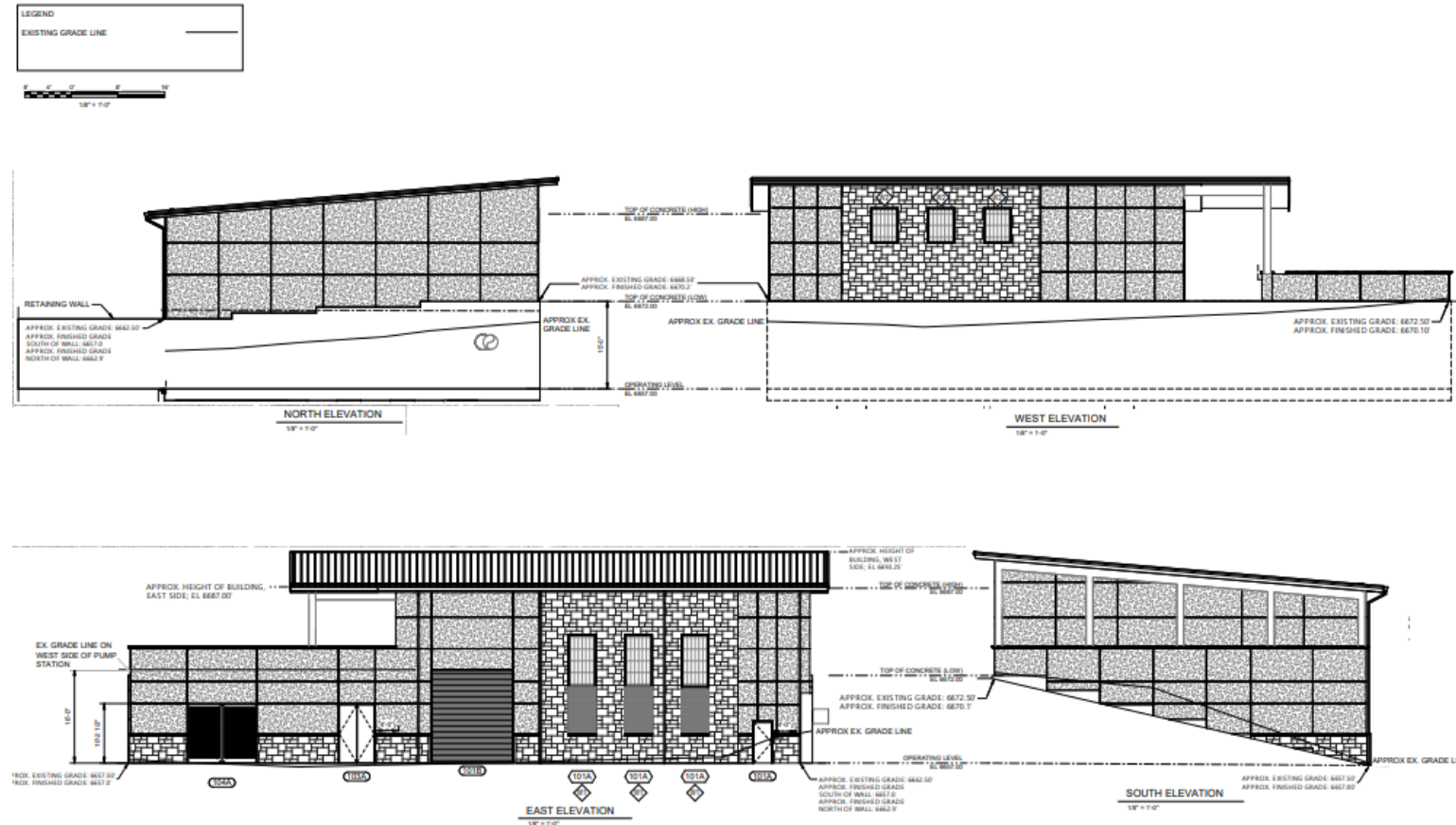
Tank Elevations



Project Overview

New Pump Station

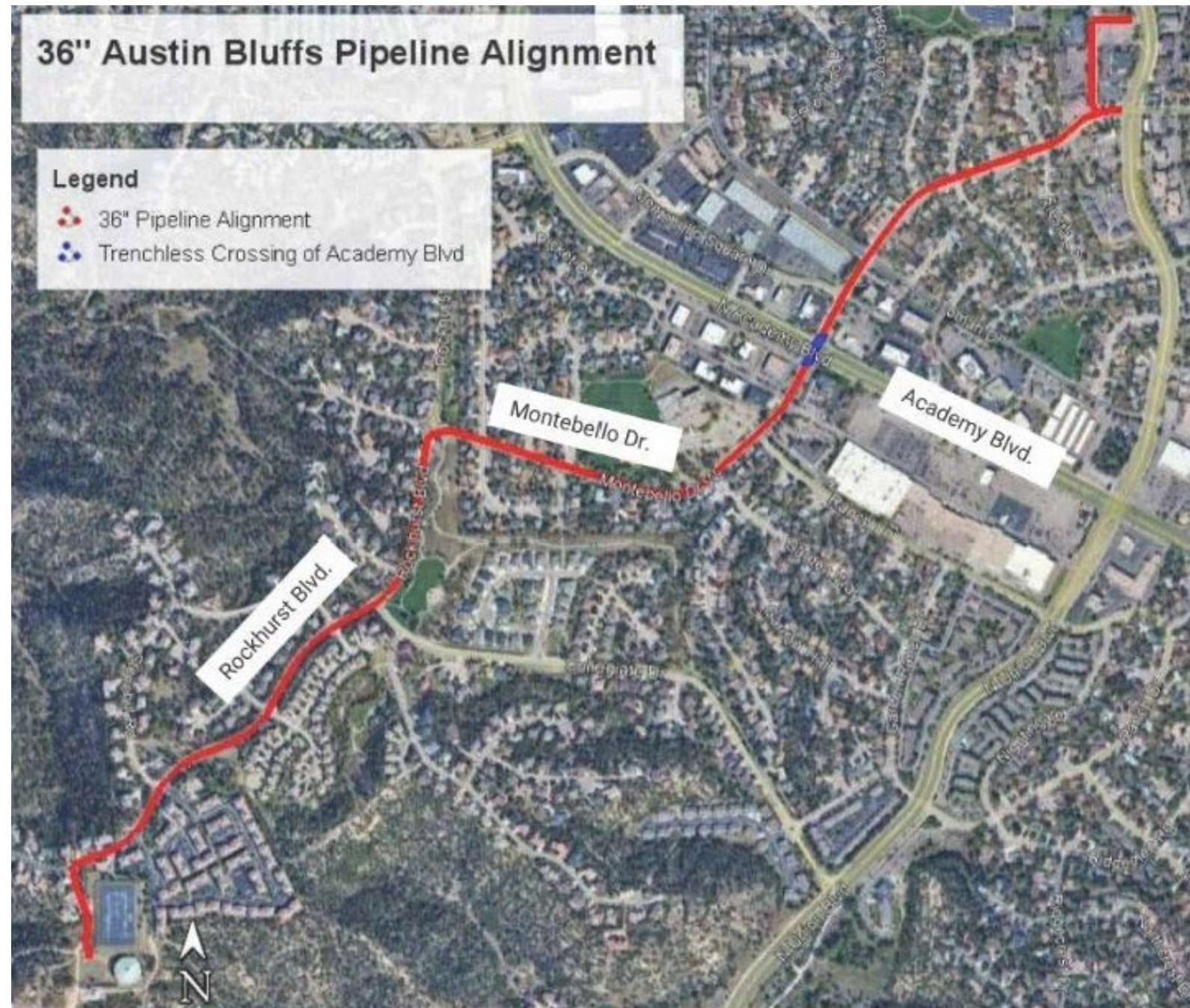
- New 32-MGD Pump station and water main will move water from the west to the east side of our system
- It will be our largest treated water pump station and a critical component of your water system
- The project will improve system redundancy, water quality, operational flexibility, and resiliency during emergencies



Project Overview

Transmission main

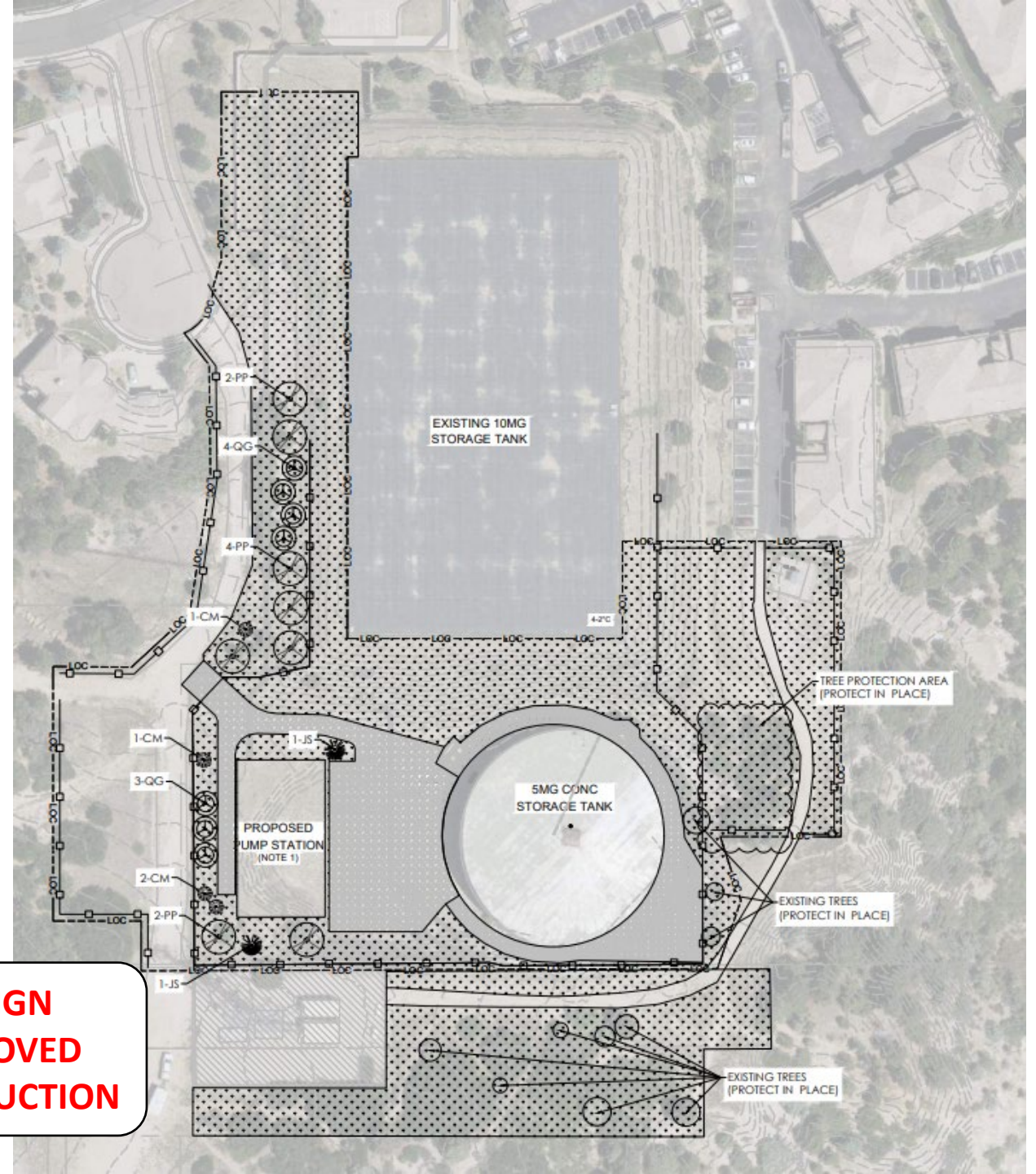
- Alignment still in development
- About 2 miles of pipeline installed underground



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Landscaping Plan

- 7 Gambel Oak (QB)
- 4 Mountain Mahogany (CM)
- 8 Ponderosa Pine (PP)
- 2 Rocky Mountain Juniper (JS)

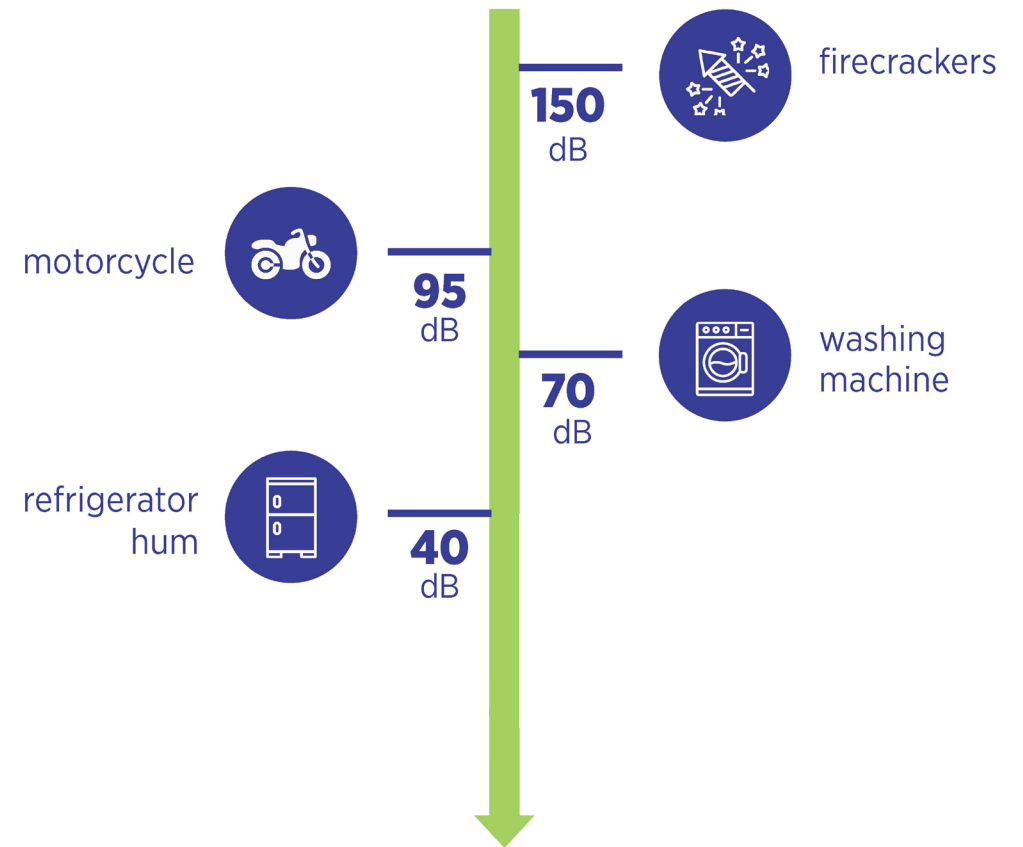


**90% DESIGN
NOT APPROVED
FOR CONSTRUCTION**

Noise

- Pump station equipment (pumps, ventilation fans, etc.) will produce noise when in use
- An emergency standby generator will produce noise during power outages and monthly maintenance
- A noise assessment is under way to guide design and mitigation measures
- Predicted noise levels are expected to be below city and county limits

Typical noise levels encountered in common settings measured in decibels (dB).



Abatement

- Dust mitigation using water hoses and sprayers during active work
- Material abatement and handling will follow approved best management practices and meet all state and local requirements
- Standard safety and environmental controls will be in place



Construction and traffic

- No road or city trail closures are anticipated for this project
 - Social trails south and east of the site will be impacted
- Area north of the site will be used for staging and parking
- Very brief water service disruptions may occur
- Water pressure will not be impacted
- Demolition and construction hours are *typically* Monday through Friday, 7 a.m. to 5 p.m.
 - Occasional early morning and/or Saturday work is possible
- Drivers required to follow posted speed limits and site rules (litter, parking, etc.)
- Track pads will be used to minimize mud and sediment leaving the site

Project Status

- 100% Tank design is completed
- Working on the development plan for the entire project (tank, pump station and pipeline)
 - Plan will be submitted to the City in the next couple of weeks
- Between 30% and 60% design for the pump station and pipeline.
 - Design to be finalized end 2026
- Tank demo to start December 2025 – approved development plan is not required for this activity

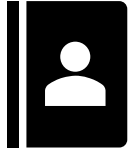
Timeline for the Project(s)

Nov. 2025 Spring 2026	Dec. 2025 to Spring 2026	Spring 2026 to Dec. 2026	2027 to 2030
Development plan submittal and permitting	Demolition of existing water tank	Construction of new water tank	Construction of pump station and transmission main

*Hillside Overlay Area requirements will be incorporated into Development Plan submittal

Timeline is subject to change

How to Engage



Update your contact info by calling (719) 448-4800 or log into your account at CSU.org



Find information on the project page:
csu.org/current-projects/austin-bluffs-water



(719) 668-7765



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