

Northern Delivery System

Project Participants

Project Overview

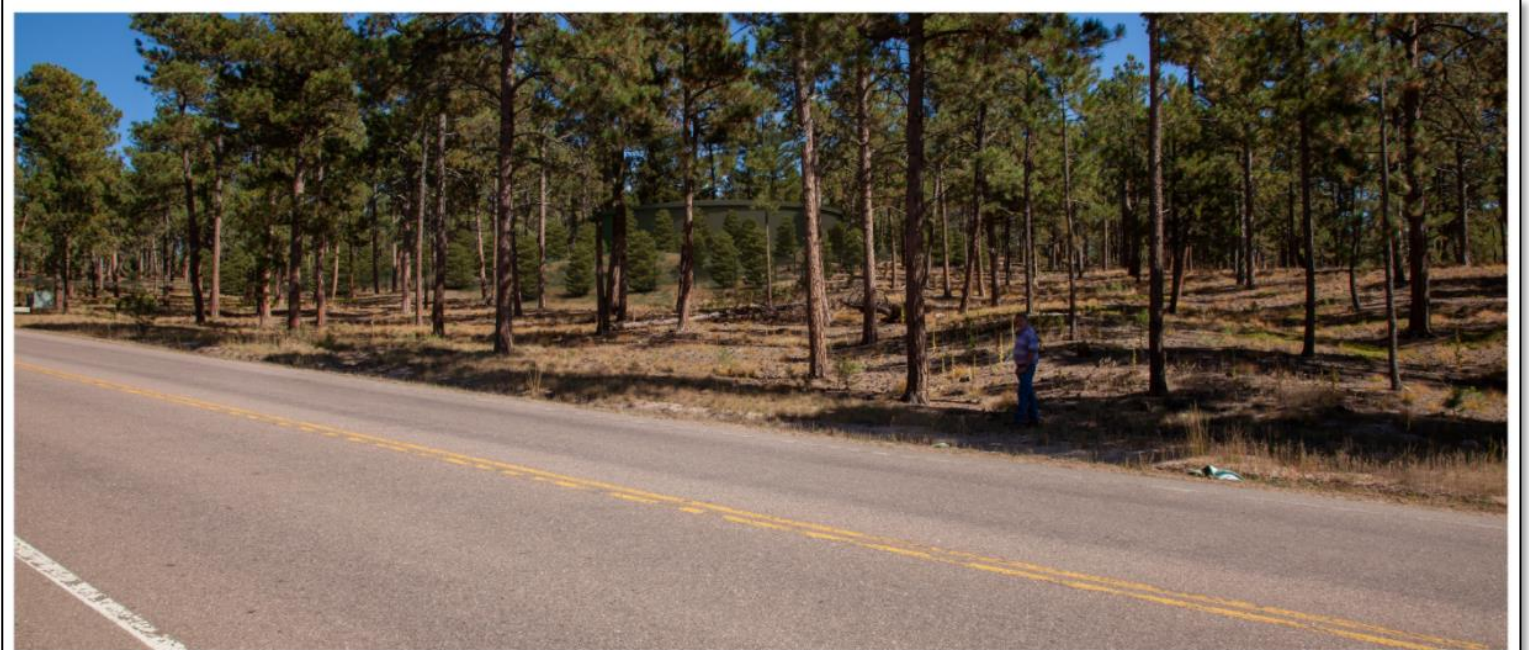
Purpose and Need

Cost

Route

Timeline

Questions



Northern Delivery System 1-MG Tank Project
OLD BAPTIST ROAD - LOOKING EAST - PROPOSED PANORAMIC VIEW

THIS RENDERING IS BASED
ON CURRENT INFORMATION AS OF
THIS DATE AND IS SUBJECT TO
CHANGE.

KOP# **1**

Visual Environments
www.vien.com
10/14/21

Northern Delivery System

Project Sponsors:

- Triview Metropolitan District
- Forest Lakes Metropolitan District

Potential Project Participants

- Woodmoor Water and Sanitation District
- Town of Monument
- Donala Water and Sanitation District
- Town of Palmer Lake

October 16, 2021

Project Overview

- Triview Metropolitan District serves its current customers from 9 Denver Basin Wells located through out the District.
- These wells are considered a nonrenewable source of supply.
- Given the limited geographic size of the district and the finite supply of water in the aquifers, adding additional wells will not result in additional water being produced
- Over time the production levels in these wells will decline leading to supply shortages
- The Existing Wells are also subject to degradation in water quality
- Triview Metropolitan District has purchased nearly 2,000-acre feet of water located on Fountain Creek, the Upper Arkansas River Basin, and the Lower Arkansas River Basin.
- Triview also has purchased and/or leased nearly 4,000-acre feet of water storage in Big Johnson Reservoir, Stonewall Springs South Reservoir, and has a 40-year excess capacity storage contract in Pueblo Reservoir
- The Purpose of this project is to deliver renewable water to Triview and its Project Partners thereby lessening the dependence on Denver Basin Wells.

Project Overview (Continued)

- Water From Pueblo Reservoir is delivered to Colorado Springs Water Distribution system through CSU's Southern Delivery System. The SDS is an \$800 million dollar existing 66" pipeline that includes a sophisticated 50 MGD water treatment facility.
- Water is then delivered to Triview and other project participants through a Single Pump Station at the Colorado Springs Utilities Highway 83 Tank Site.
- The Northern Delivery System Pipeline delivers water from the Highway 83 Tank to Triview where it is then delivered to the various Project Participants.
 - Segment A: ~20,700 LF 24-in to 1 MG Concrete Tank and Donala Delivery Point
 - Segment B: ~8,400 LF 24-in transmission main to Triview Delivery Point
 - Segment C: ~13,900 LF 18-in transmission main to Woodmoor Delivery Point
 - Segment D: ~ 1,770 LF 16-in transmission main to Town of Monument Delivery Point
- 10 Fire Hydrants each capable of delivering 2,750 gallons per minute
- Total Delivery to the Project participants of up to 6,000 gallons per minute
- Estimated total Project Cost \$21,672,072 (2020 Estimate)

Project Benefits

Regional Water Project for Entire Northern El Paso County.

Allows for the delivery of already purchased water rights.

Many Project Participants will have over 80% of their supply from Renewable Sources.

Allows Wastewater Return Flows to be delivered back to participants thereby Reducing dependency on the Denver Basin Aquifer.

Can Incorporate Aquifer Storage and Recovery which prolongs Denver Aquifer Lifespan.

Maintains and Enhances Property Values

Project Status/Current Activities

Design, bidding, and construction for Segment D Completed

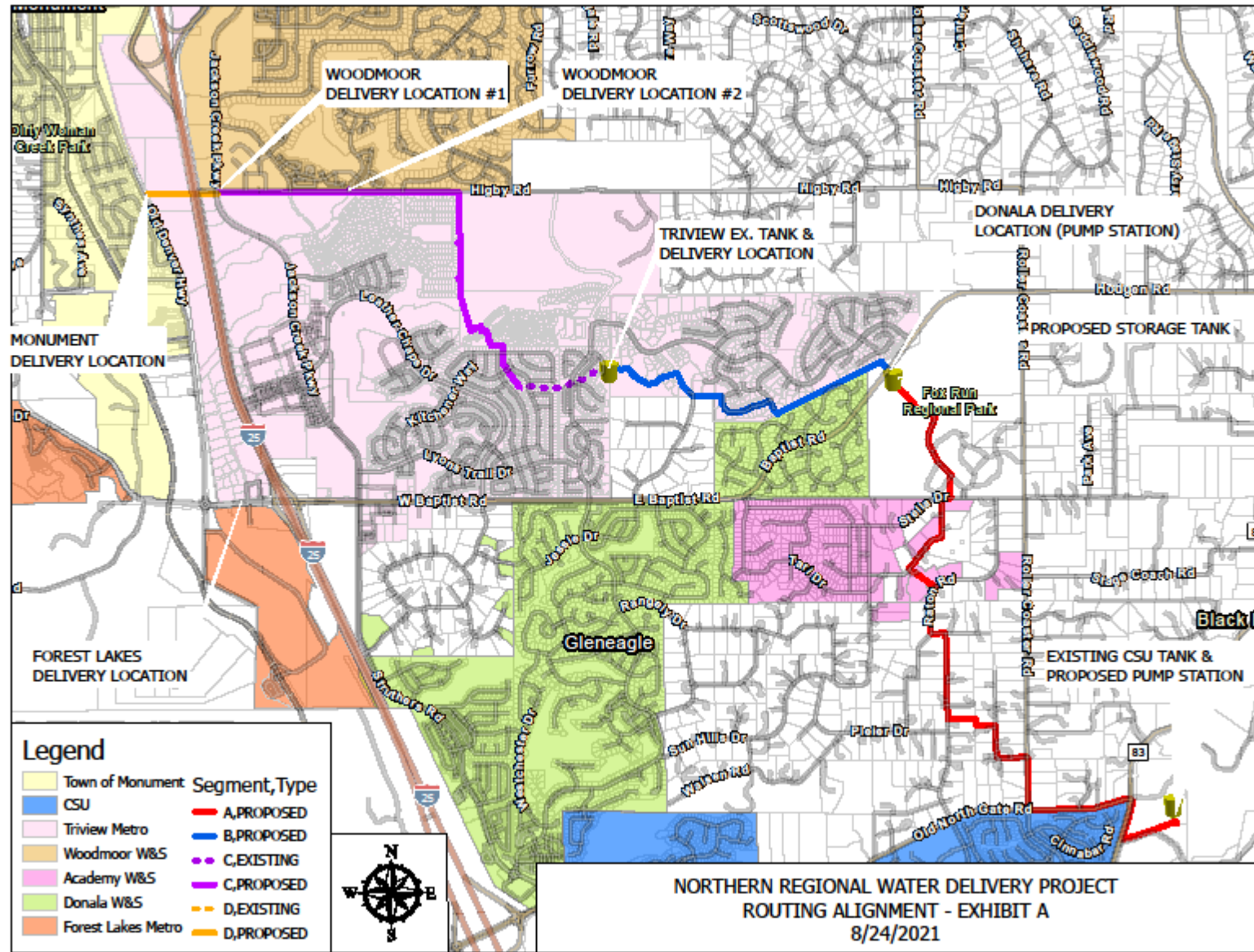
Fox Run Regional Park (partial Segment A) – County Parks Coordination, Public Process, Final Design, Geotechnical Investigations

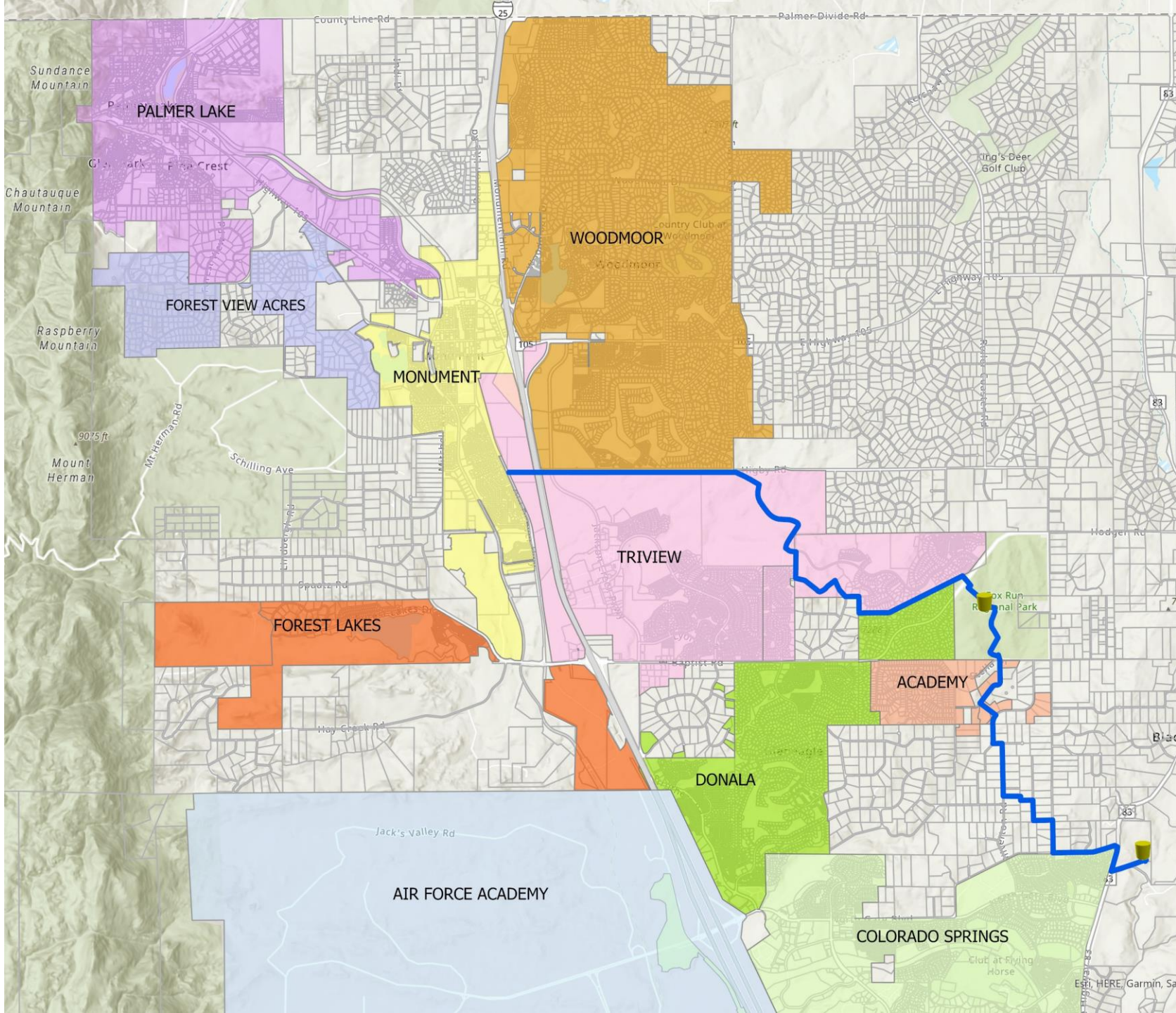
Coordination with County Parks/Sanctuary Point HOA on pipeline route

Tree clearing for transmission main alignment through Triview. Completed.

Pipeline segment install under roadway in Sanctuary Point. Completed.

Pipeline will be installed in Jackson Creek Filing 3-6 and Homeplace Ranch given current construction activities. Spring 2022.





Next Steps

Finalize Route

Easement Acquisitions

Complete Easement Agreement with El Paso County Parks

- Use of Trail Right of Way
- Tank Site Location
- Define In Kind Services

Finalize Design

- El Paso County 1041 permit
- Pueblo County 1041 permit

Next Steps (Continued)

Complete Project participation agreement including Operations Agreement

Continue to Develop Delivery Agreement with Colorado Springs Utilities including Term and Tariffed Rate

File exchanges for transport of water supplied to the NDS

File Change of Use Cases for AVIC, Bale Ditch, and Excelsior Water Rights

Finalize Regional Reuse Study that will identify mechanisms to capture and reuse wastewater return flows to extinction



Questions

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