



CENTRAL MESA REUSE PIPELINE PROJECT UPDATE

Brian Draper, Water Resources Advisor

Lance Webb, Deputy Engineer

Presented to the Mesa City Council

Thursday, January 21, 2021



City of Mesa and Gila River Community Reclaimed Water Exchange

- 99-Year Agreement – Up to a Maximum of 24,000 Acre-Feet
- City began delivering water to the Community in 2008
- Mesa and the Community shall exchange Mesa Reclaimed Water and Community CAP Exchange Water at the ratio of one (1) acre-foot of Mesa Reclaimed Water for each eight-tenths (0.8) acre-foot of Community CAP Exchange Water

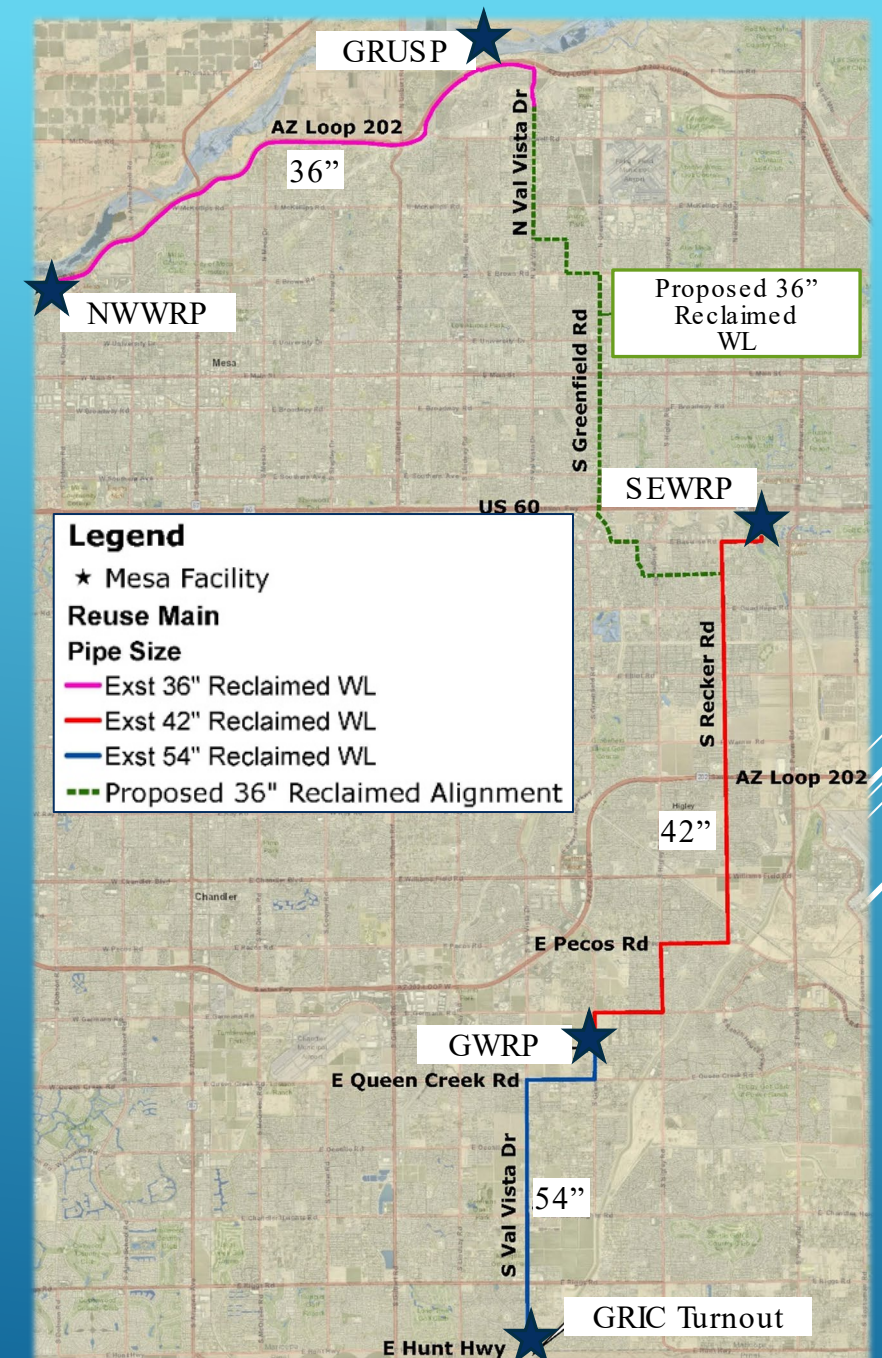


Goals and Objectives of the Agreement

- Meet the conditions of the agreement
- Gain additional water supplies
- Provides an economical and stable option for long term water supply while still providing a great return on investment
- The Gila River Community prefers to maintain delivery of water through the existing delivery system for agricultural purposes

PROJECT OVERVIEW

- Goal: Deliver Reclaimed Water from City's Northwest Wastewater Reclamation Plant to the Gila River Community to Maximize Water Exchange
- Utilize Existing Infrastructure
- Connect City's Reclaimed Waterline from North Central Mesa to the City's Southeast Wastewater Reclamation Plant



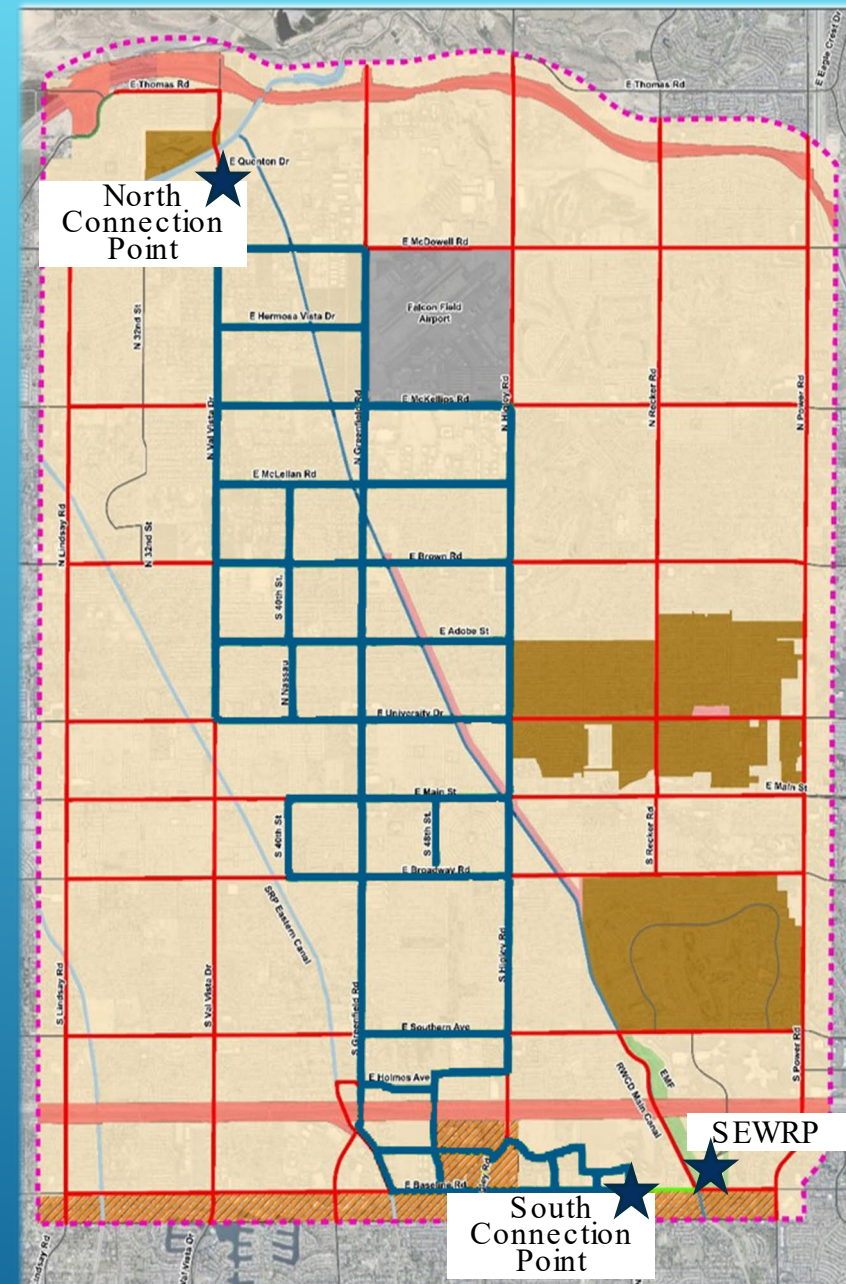
COMPLETION OF ALIGNMENT STUDY

Alternatives Evaluated

- Numerous potential ROW alignment options
- Consideration of adjacent canal systems and channels
- Hybrid options evaluated as well

Considerations Used to Evaluate Alternatives

- Autonomy/Control of Water Delivery
- Operations
- Risk
- Cost Per Acre-Foot of Delivery
- Construction Impacts

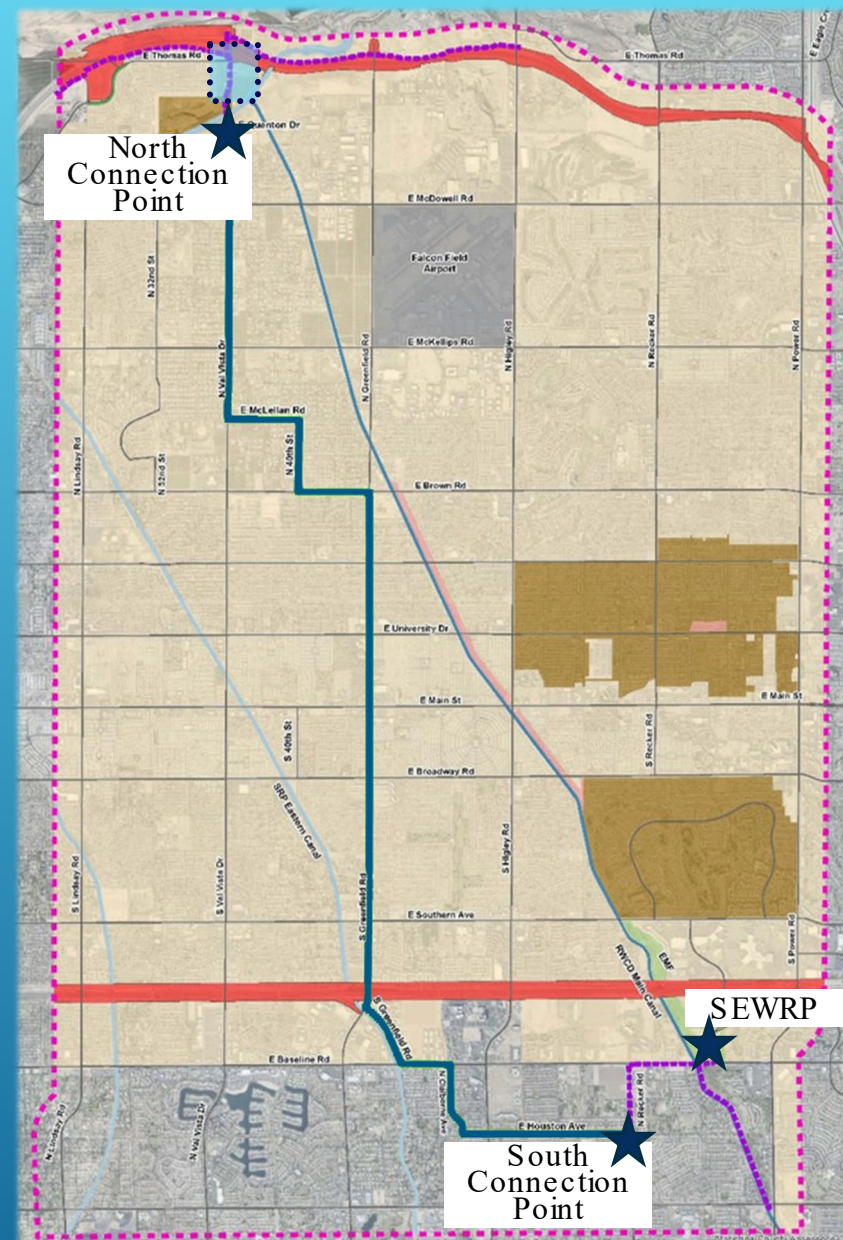


RECOMMENDED ALIGNMENT - CITY RIGHT-OF-WAY (ROW)

Pipe length: 10.5 miles

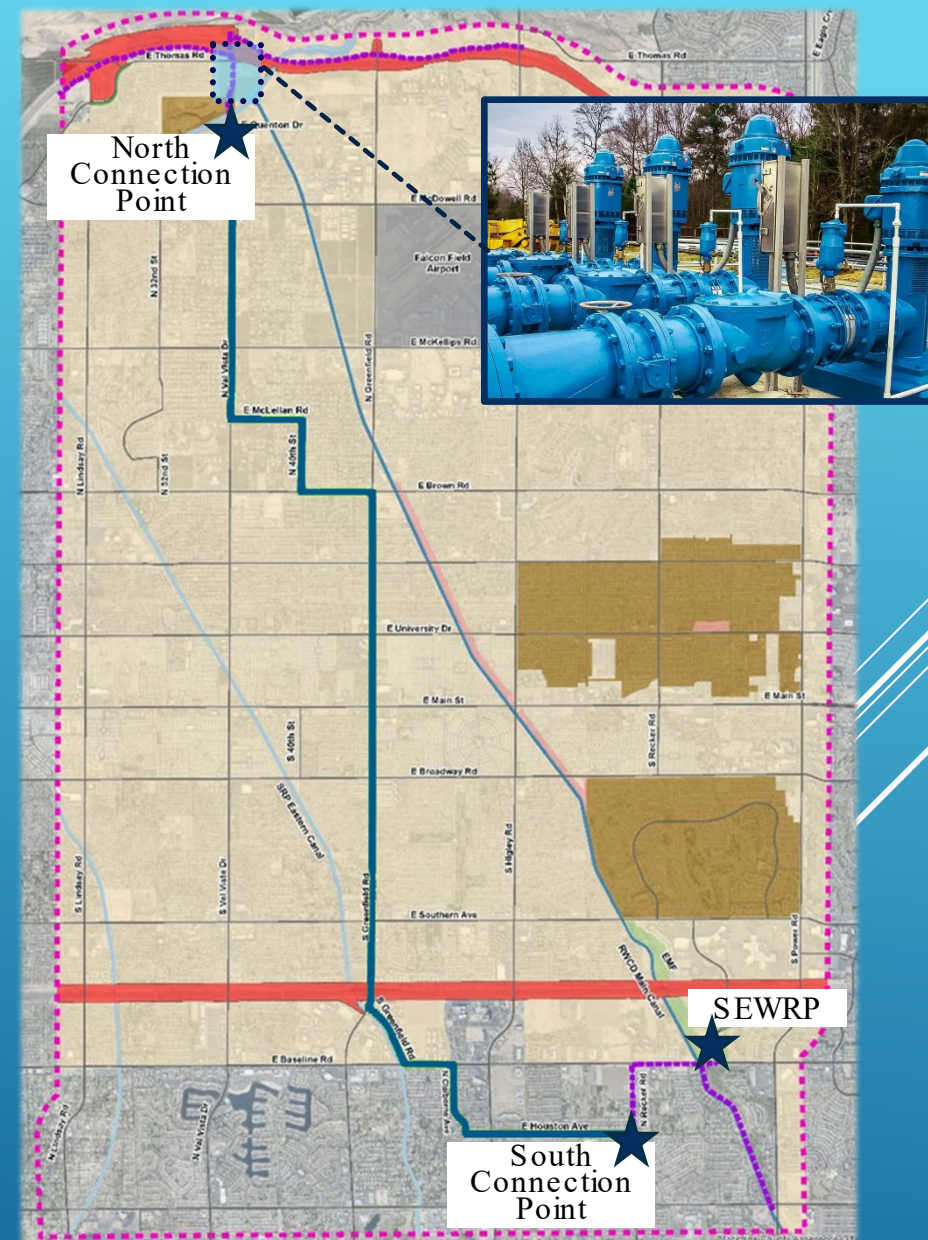
Advantages

- Autonomy/Control of Water Delivery
- No canal crossings
- Limited permit coordination and schedule impacts
- No legal agreements/risk of future relocation
- No Right of Way Acquisition



WHERE ARE WE NOW?

- Negotiating contracts with selected consultants for design efforts
- Coordinating with the Town of Gilbert
- Finalizing model recommendations to the overall system
- Evaluating existing infrastructure conditions
- Considerations of delivery method for construction
- Evaluating options for a pump station near the intersection of Thomas and Val Vista



THANK YOU

QUESTIONS AND FEEDBACK