

CASE STUDY

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 locations: denison | denton | dfw | collinsville

Designing for Depth

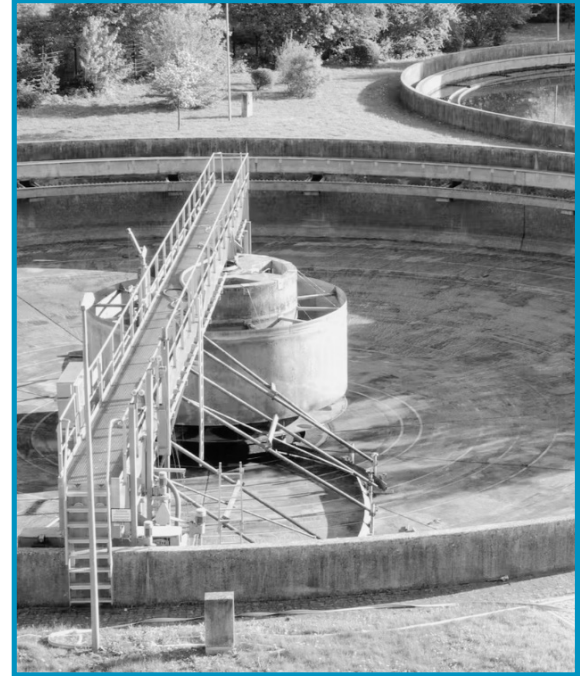
Maverick Farms WWTP Design - Pilot Point, TX

THE CHALLENGE

As growth continues across North Texas, communities like Pilot Point are investing in infrastructure that can keep pace. The Maverick Farms Wastewater Treatment Plant is a key part of that future, supporting development while protecting long-term system performance. Geotex Engineering provided geotechnical services to support the design and construction of this new facility – bringing local expertise and practical insight to a complex site.

This project included:

- Deep wet wells extending ~55 feet below grade
- A 40-foot-deep sanitary sewer manhole
- A large-diameter water storage tank
- Multiple below-grade structures requiring long-term stability
- Variable North Texas soil conditions impacting excavation and design



ABOUT US

For over 15 years, Geotex Engineering has supported North Texas municipalities with geotechnical engineering and construction materials testing for water, transportation, and public infrastructure projects. We deliver responsive, accurate results from concept through construction.

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Success required more than data - it required confidence in the recommendations and the team behind them.

GROWTH PROJECTIONS THRU 2050

3M

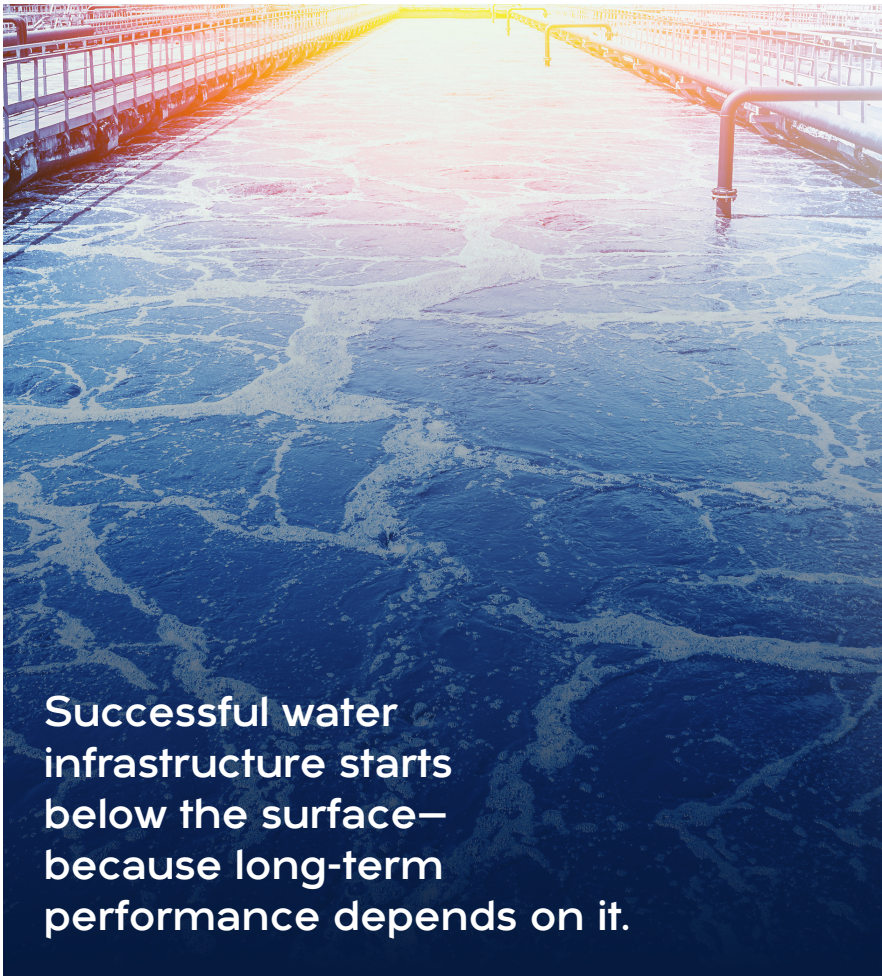
DFW POPULATION

43%

NORTH TEXAS REGION

63%

TEXAS WATER DEMAND



Successful water infrastructure starts below the surface—because long-term performance depends on it.

OUR APPROACH

We worked with the project team, providing clear guidance and timely communication.

Local Knowledge That Reduces Risk
Anticipated deep excavation challenges based on North Texas soils.

Practical, Buildable Recommendations
Clear guidance contractors can execute in the field.

Responsive Project Support
Available throughout design as conditions evolved.

Consistency Across the Project
Aligned recommendations across all elements of the facility, supporting constructability and long-term durability.

THE OUTCOME

The Maverick Farms WWTP project moved forward with:

- Reduced subsurface risk during design and excavation planning
- Enabled confident design of structures up to 55 feet deep
- Improved constructability across critical infrastructure elements
- Provided real-time support as project conditions evolved.

That's what it takes to keep projects moving forward.



THE STANDARD
continuous project support
exceptional quality
principal involvement
innovative solutions

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THE STANDARD

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