



Edwards Ranch Pump Station Improvements Community Construction Meeting

Thursday, April 25, 2024 - 7 p.m.

Tanglewood Elementary School, 3060 Overton Park Drive West

Agenda

- Introductions
- Project Overview
- Project Area
- Frequently Asked Questions
- Timeline



Your project team includes:

Project Manager: David Townsend

- 817-392-8430; David.Townsend@fortworthtexas.gov

Construction Inspection Supervisor: John Robinson

- 817-879-9818; John.Robinson@FortWorthTexas.gov

Inspector: Ronnie Cardenas

- 682-309-3761; Ronald.Cardenas@FortWorthTexas.gov

Inspector: Nathan Gray

- 817-991-0629; Nathan.Gray@FortWorthTexas.gov

Your project team also includes:

Freese & Nichols Inspector: David Beckham

- 817-683-1568 dsb@freese.com

Contractor: ACME Electric

- Brent McDaniels

Engineering Design Consultants:

- Freese & Nichols, Robb Otey
- Gupta & Associates (Electrical), Puneet Gupta

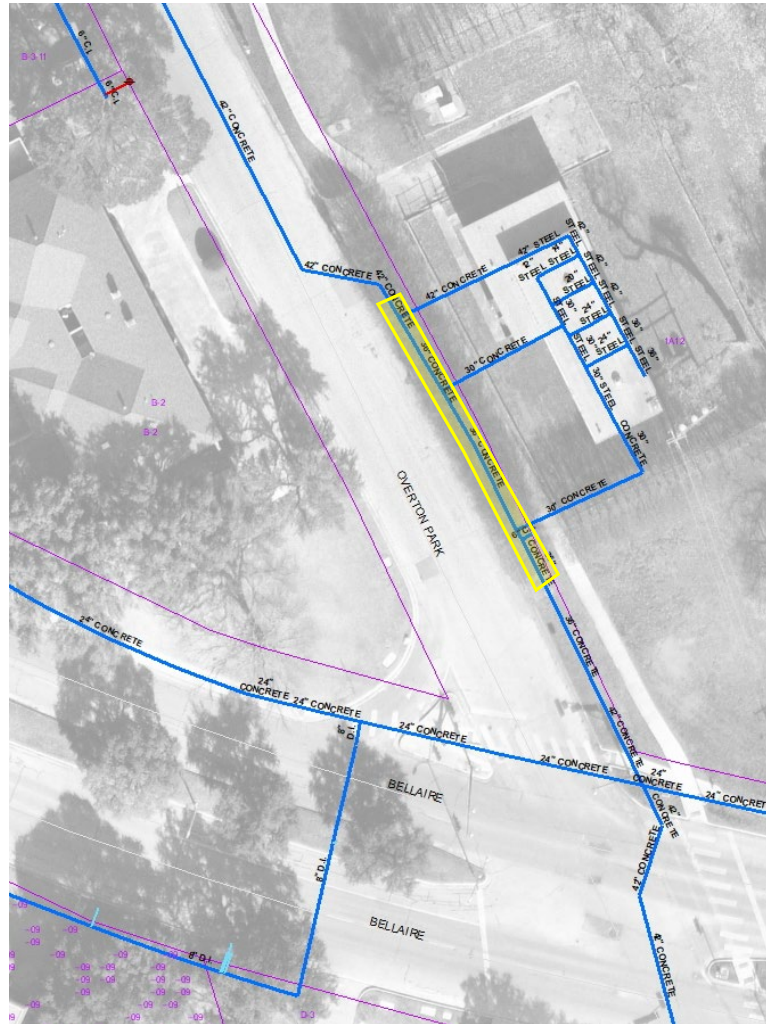
Project Overview

The Edwards Ranch Pump Station Capital Improvements Project is in an area along Overton Park Drive West bound by:

- Harlanwood Drive to the north
- Bellaire Drive South

This capital improvement project is in Fort Worth Council District 3. Construction may impact Tanglewood Elementary School, Overton Park and the Tanglewood Neighborhood Association.





Water Line Replacement

The most visible part of this project is the replacement of the water line in front of Edwards Ranch Pump Station. This 36-inch to 42-inch in diameter water line will be replaced during the summer when school is not in session.

The sidewalk in front of the pump station will be closed during this replacement of the water line. Construction will be done behind the curb.

One lane of traffic will be closed. The school may need a temporary water line during construction.

Overton Park West



What is Fort Worth Water doing at the pump stations?

The Edwards Ranch Pump Station is one of the largest City of Fort Worth Water Department pump stations that are essential for water supply.

The Edwards Ranch Pump Station requires replacement of aging electrical switchgear and motors as well as installation of a backup generator.

The other pump stations in this overall capital improvement project include Altamesa, Eastside and Como.

Why is Fort Worth Water doing this project?

The winter storm of February 2021 created power outages across most of Fort Worth.

Fort Worth Water experienced outages at water treatment plants and water pump stations that in turn impacted many customers, who lost water service.

In response, the Texas Legislature pushed through the passage of the Senate Bill 3/Emergency Preparedness Plan.

What does the Senate Bill 3/Emergency Plan require?

- Enclosure of High Service Pump Stations at Eagle Mountain & Westside Water Treatment Plants
- Installation of an Oncor Substation at Eagle Mountain Water Treatment Plant
- Emergency Generators at Westside & Holly Water Treatment Plants
- Emergency Generators at Major Water Booster Pump Stations
 - Generator Installation by Fort Worth Water staff (Generator Only)
 - Pump Station Rehabilitation/Modification & Generator Installation (By Contract)

Edwards Ranch Pump Station

Edwards Ranch Pump Station was constructed in the 1957-1958 timeframe.

This project includes:

- Large Pump Motor Replacement
- Installation of New Electrical Building
- Replacement/Relocation of Electrical Switchgear to New Electrical Building
- Replacement/Relocation of Electrical transformers (to outside)
- Installation of 1500 KW Generator Set
- Replacement of the existing water main in front of the Pump Station

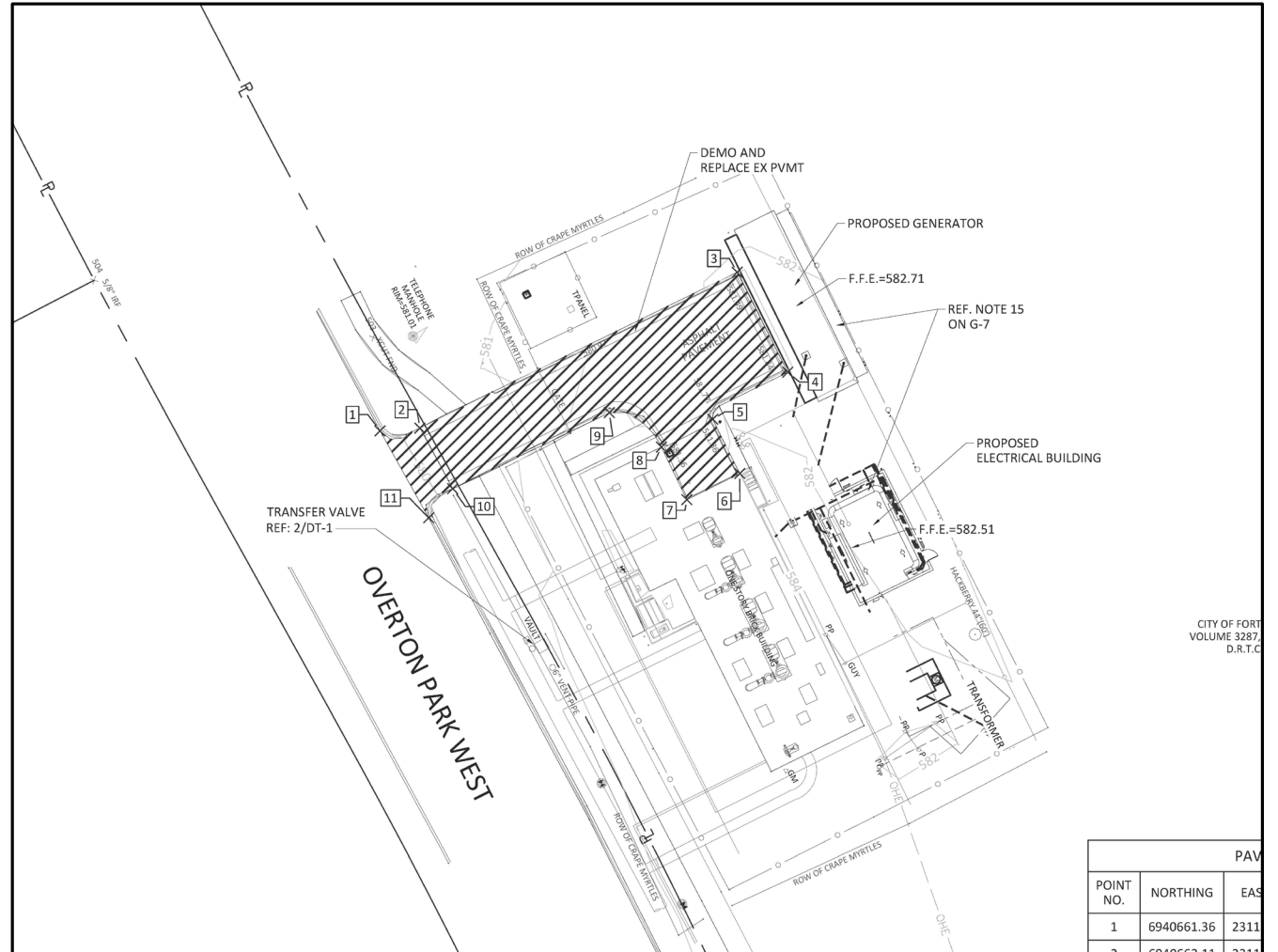
Does Edward Ranch have a backup generator?

The Edwards Ranch Pump Station did not have a backup generator during the big freeze in February 2021. But this area, like most areas, have two or more pump stations to provide service. If one pump station is out of service due to a localized power failure, other pump stations can provide service for the local area.

In a regional power failure, only pump stations with backup generators can provide service for the local area. Pump stations are heated to prevent exposed pipe from freezing.

The Rolling Hills Water Treatment Plant High Service Pump Station remained in service during the February 2021 freeze and it also provides service to the local area.

Edwards Ranch Pump Station



Why are these improvements important?

The improvements are vital to keep the pump stations operating if there is another deep freeze similar to the one that Fort Worth experienced in February 2021.

The storm created power outages across most of Fort Worth - including at water treatment plants and water pump stations – which in turn caused the loss of water service to customers.

What is the purpose of a pump station?

These pump stations work to maintain consistent water pressure and provide adequate flow of water. The water pump stations serve to move potable (drinking) water from lower elevations to reservoirs and water towers that are at a higher elevation within the system.

The water pressure is normally between 40 and 75 psi (pounds per square inch). The Texas Commission on Environmental Quality (TCEQ) requires a minimum of 35 psi.

Lower pressure can result in machines/equipment (like washing machines and dishwashers) not working. If the water pressure is above 80 psi the plumbing code requires a pressure reducing valve to protect the plumbing system from damage.

Are other pump stations included in the improvements?

The Edwards Ranch Pump Station is part of a larger project that also includes:

- Como Pump Station Backup Power and Electric Improvements
- Eastside Pump Station Backup Power and Electrical Improvements
- Altamesa Pump Station Backup Power and Electric Improvements

These projects require the replacement of aging electrical switchgear and motors as well as backup generators. The improvements are vital to keep the pump stations operating if there is another deep freeze similar to the one that Fort Worth experienced in February 2021.

Edwards Ranch Pump Station



What is switchgear?

Electrical switchgear is like the electric panel box (with circuit breakers) in any home. The switchgear is much more substantial due to the higher voltage and electrical loading.

Edwards Ranch Pump Station was constructed in the late 1950s. The pump station has the original switchgear.

Will there be lane closures during construction?



One traffic lane will be closed on Overton Park West when the water main is being removed and replaced and when the trench is being repaired.

Sidewalk on east side will also be closed

Signs will be posted to alert motorists & pedestrians.



Will our water be turned off?

Water service should not be interrupted.

If required, Water will be turned off for 15-30 minutes when service is transferred from the existing line to a temporary water line, and when the service is transferred from the temporary to the new line.

These switchovers are done during the day. The contractor will knock on the door and let customers know when the water will be turned off. The transfer typically takes 30 minutes per house or business.

Will we have access to driveways during construction?



The inspector and the contractor will work with Fort Worth Water customers who need driveway access during active construction hours.

Again, those hours are:

- 7 am to 6 pm, Monday-Friday
- And, if requested by the contractor, 9 am to 4 pm or 5 pm on Saturdays

What are the construction hours?

The hours of construction are 7 am to 6 pm, Monday-Friday and, if requested by the contractor, 9 am to 4 pm or 5 pm on Saturdays.

Contractors will not work on City holidays, which includes the following . . .

Thanksgiving/Day after Thanksgiving

Christmas

New Year's Day

Martin Luther King Jr Day

Memorial Day

Juneteenth

Independence Day

And, Labor Day

Timeline

Fort Worth Water is ready, but we are waiting for Tanglewood Elementary School to close for the summer.

The contractor expects to start construction on Overton Park West at the end of May 2024 and work through the summer.

Additional work will occur - within or behind the pump station - until the generator work starts sometime late in 2025.

Please check your front doors for door hangers that will alert you that the Fort Worth Water contractor will be mobilizing.



How will we know construction is starting?

If you live in an area impacted by the construction keep an eye on your front door for a door hanger from the City of Fort Worth.

You will receive two door hangers.

The first one says
“Construction Starts in 7 days.”

WATER UTILITY IMPROVEMENTS

Construction Starts in 7 Days

WATER AND/OR WASTEWATER improvements are coming to your neighborhood. Crews are scheduled to begin work within the next SEVEN days, weather permitting.

Residents will have access to homes at all times. Water service will only be interrupted for short periods of time and advance notice will be provided as to when this will occur. There is never an interruption to wastewater service.

Residents are asked to keep all vehicles off both sides of the street during the week from 7 a.m. to 6 p.m. Travel and driveway access will be limited at times during construction.

For questions, please call 817-392-8306.

MEJORAMIENTO EN LA UTILIDAD DE AGUAS

Construcción Comienza en 7 días

Mejoramiento a agua y aguas residuales llegan a su vecindario. Los equipos están programados para comenzar a trabajar dentro de los próximos SIETE días, si el tiempo lo permite.

Los residentes tendrán acceso a sus hogares en todo momento. El servicio de agua sólo será interrumpido por períodos cortos del tiempo y el previo aviso será proporcionado en cuanto a cuando esto ocurra. Nunca hay una interrupción de servicio de alcantarillado y saneamiento.

Se pide a los residentes que retiren todos los vehículos desde a ambos lados de la calle durante la semana de 7 a.m. a 6 p.m. Los viajes y el acceso a la cochera estarán limitados a veces durante la construcción.

Para preguntas, por favor llame al 817-392-8306.

How will we know construction is starting?

The second door hanger says “Construction Starts Tomorrow.”

The inspector will include his/her business card and contact information on the door hanger.

WATER UTILITY IMPROVEMENTS

Construction Starts TOMORROW

WATER AND/OR WASTEWATER improvements are coming to your neighborhood. Crews are scheduled to begin work **TOMORROW**, weather permitting.

Residents will have access to homes. Water service will only be interrupted for short periods of time and advance notice will be provided as to when this will occur.

Residents are asked to keep all vehicles off both sides of the street during the week from 7 a.m. to 6 p.m. Travel and driveway access will be limited at times during construction.

For questions, please call 817-392-8306.

MEJORAMIENTO EN LA UTILIDAD DE AGUAS

La construcción empieza MAÑANA

Mejoramiento a agua y aguas residuales llegan a su vecindario. Los equipos están programados para comenzar a trabajar **MAÑANA**, si el tiempo lo permite.

Los residentes tendrán acceso a sus hogares en todo momento. El servicio de agua sólo será interrumpido por períodos cortos del tiempo y el previo aviso será proporcionado en cuanto a cuando esto ocurra. Nunca hay una interrupción de servicio de alcantarillado y saneamiento.

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Para preguntas, por favor llame al 817-392-8306.

Where can I get more information?

- Go to www.FortWorthTexas.gov and type in the project number – 103410-2 in the search bar on the home page. Backup Power and Electrical Improvements at Fort Pump Stations (Altamesa, Edwards Ranch, Eastside and Como).
- To get project page updates, scroll down to the bottom of the project page and click on “Subscribe to this page.”
- The link to the project summary/frequently asked questions will be linked to this project page.

How do I report an emergency or non-emergency?

Emergencies

Water main breaks, sewer backups - 24 hours a day

817-392-4477, Select Option 1

Water Call Center (non-emergency)

- 7 am to 7 pm Monday through Friday
- 817-392-4477
- Closed City holidays



Download the MyFW app from the App Store or Google Play. You can report sewer overflows, leaks and water main breaks, missing or broken meter lids, water theft, water violations, no water service, water pressure issues and other sewer concerns.

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Thank you



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