

Summer 2023

WHCRWA  NFBWA

SURFACE WATER SUPPLY PROJECT



www.SurfaceWaterSupplyProject.com

Cover photo showing Central Pump Station Waterline Installation

The Surface Water Supply Project

To meet the Harris-Galveston Subsidence District (HGSD) and Fort Bend Subsidence District's (FBSD) groundwater reduction requirements for 2025 and beyond, the West Harris County Regional Water Authority (WHCRWA) has partnered with the North Fort Bend Water Authority (NFBWA) to construct the Surface Water Supply Project (SWSP). The Surface Water Supply Project is needed to conserve groundwater and reduce land subsidence. Land subsidence is the sinking of the land surface. Pumping large amounts of groundwater causes the ground to settle, lowering the elevation of the land. This project will help to reduce land subsidence and will meet the water needs of a rapidly growing population.

Once complete, surface water from Lake Houston will be supplied to retail water providers such as Municipal Utility Districts (MUDs), Public Utility Districts (PUDs), and Water Control and Improvement District (WCIDs). These transmission pipelines will vary in diameter from 42 inches to 96 inches, depending on the pipeline segment. Project construction began in 2020 and is expected to be completed by 2026.

All construction will be completed in segments, and the waterline will be built one segment at a time. You can find updated timelines for construction at www.surfacewatersupplyproject.com.

The construction for each segment will aim to minimize impacts to any given area for extensive amounts of time. As construction moves along the project alignment, residents, business owners, and anyone traveling in the vicinity of the pipeline alignment may experience detours, access issues, and other construction activities associated with large-scale linear projects. To minimize these impacts, much of the pipeline will be installed within existing pipeline corridors. Public safety, ease of access, and well-marked detour information will be a priority throughout the delivery of the project.

Delivery of surface water to WHCRWA and NFBWA residents through this line is scheduled to begin in 2026.

Project team members are committed to communicating proactively with your community. For more information about construction in your area, please visit www.surfacewatersupplyproject.com/construction.

HARRIS-GALVESTON



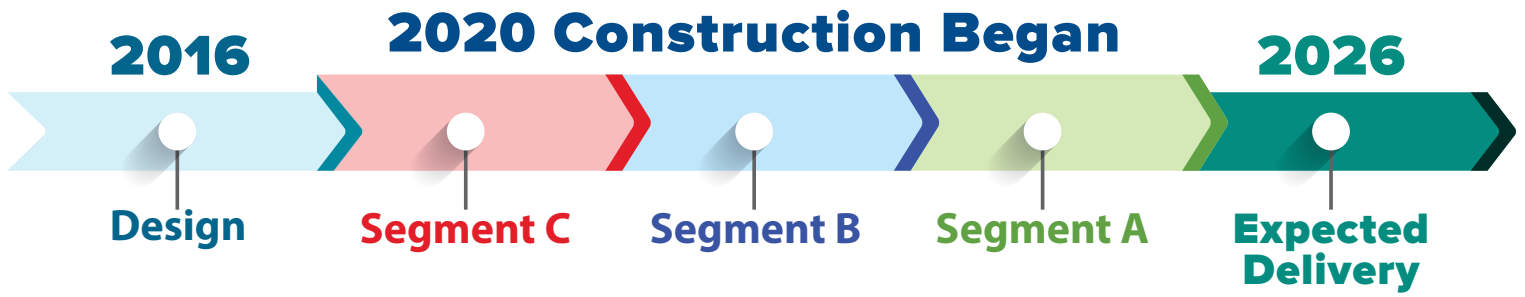
SUBSIDENCE
DISTRICT

www.hgsubsidence.org



FORT BEND
SUBSIDENCE DISTRICT

www.fbsubsidence.org

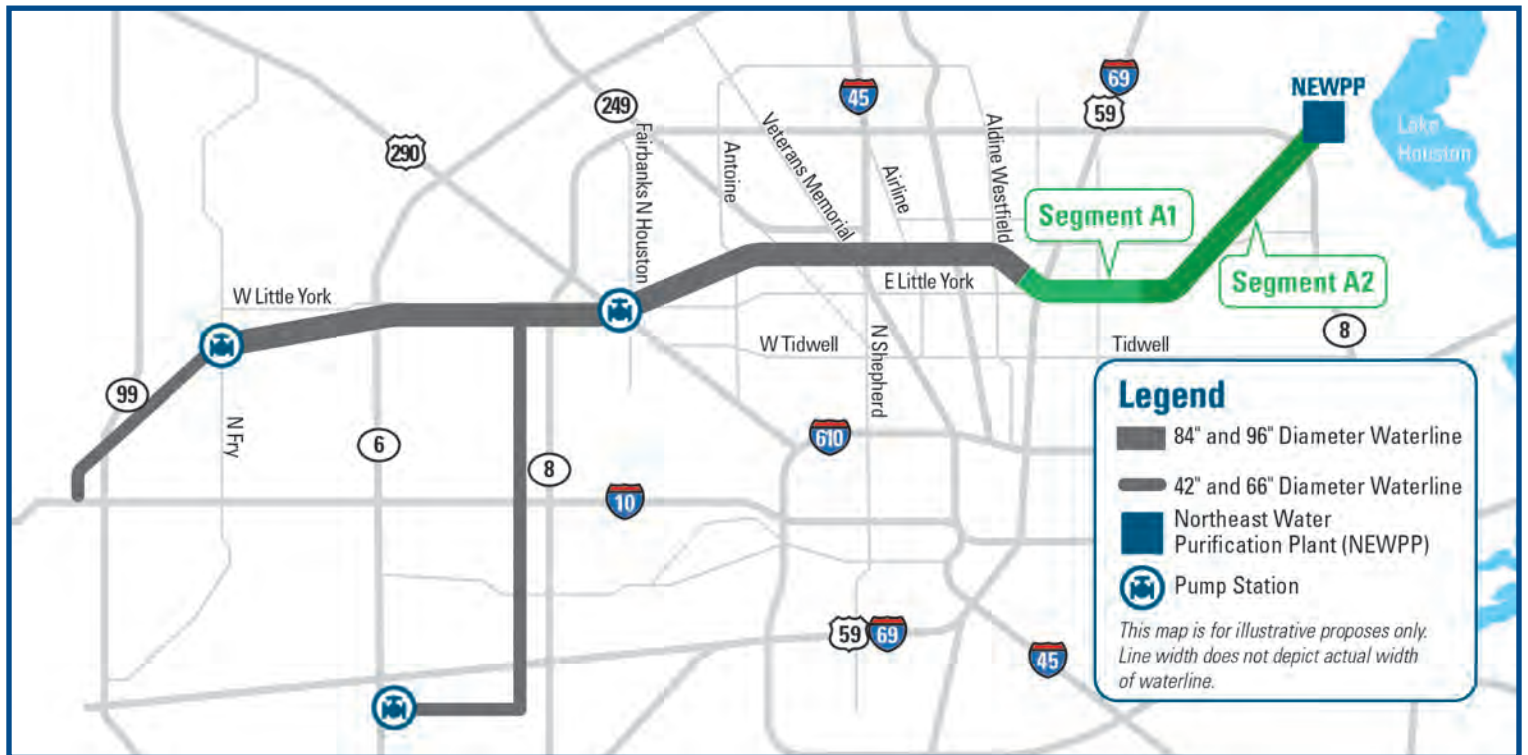


Construction Updates

Segment A

Segments A1 and A2 have been awarded. Construction is anticipated to begin by late summer of 2023.

Up-to-date construction information is available online at surfacewatersupplyproject.com.



A1-A2 Installing construction entrances



A1-A2 Performing Borings 2.0



A1-A2 Performing Borings

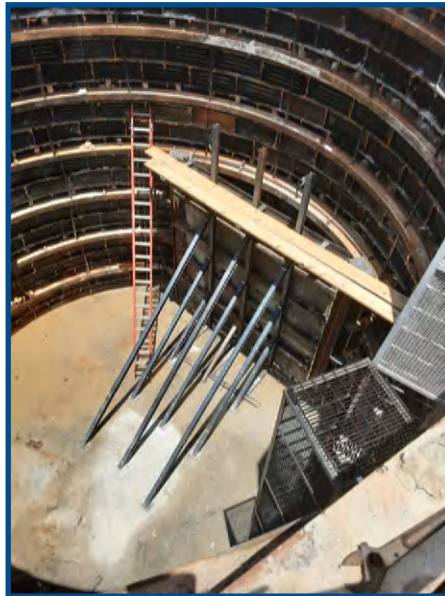
Segment B

Segment B is divided into three segments, Segment B1, B2, and B3. All three Segments have been awarded and are currently under construction.

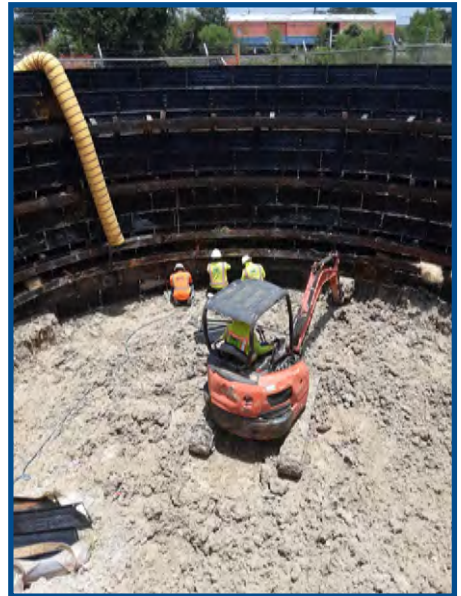
Up-to-date construction information is available online at surfacewatersupplyproject.com.



B1-B2 Fisher Rd.



B1-B2 Gessner Rd



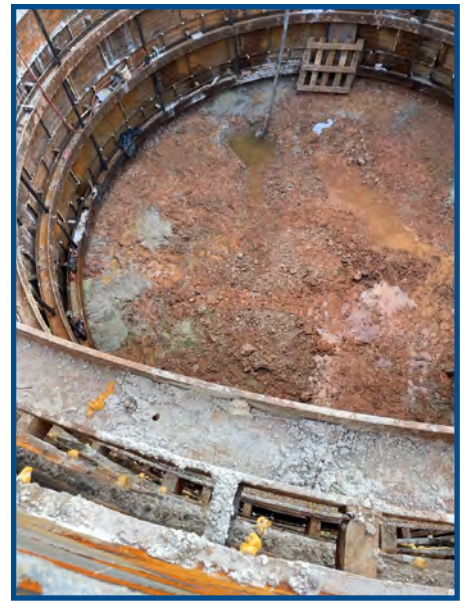
B1-B2 Hempstead Rd



B3 removing deep anode well



B3 ribs and channels under Hardy-UPRR



B3 Shaft 5

Segment 3

Segment 3 is divided in six segments (A1 – A5 & B1). Segments 3-A1, 3-A2, and 3-A3 have been awarded and are near completion, with ongoing restoration through the segments. Segment 3-A4 is complete, and Segments 3-A5 and B1 are obtaining environmental clearance before finalizing design.

Up-to-date construction information is available online at surfacewatersupplyproject.com.



Segment C

Segment C is divided into two segments, C1 and C2, for construction. Construction of these segments began in early 2021, and both are near completion, with ongoing restoration through the segment.

Up-to-date construction information is available online at surfacewatersupplyproject.com.



C1 Butterfly valve vault



C1 Regrading Easement near Daisy Meadow



C2 Installed new resident fences and gates



C2 open cut waterline



C2 Restoring parking lots

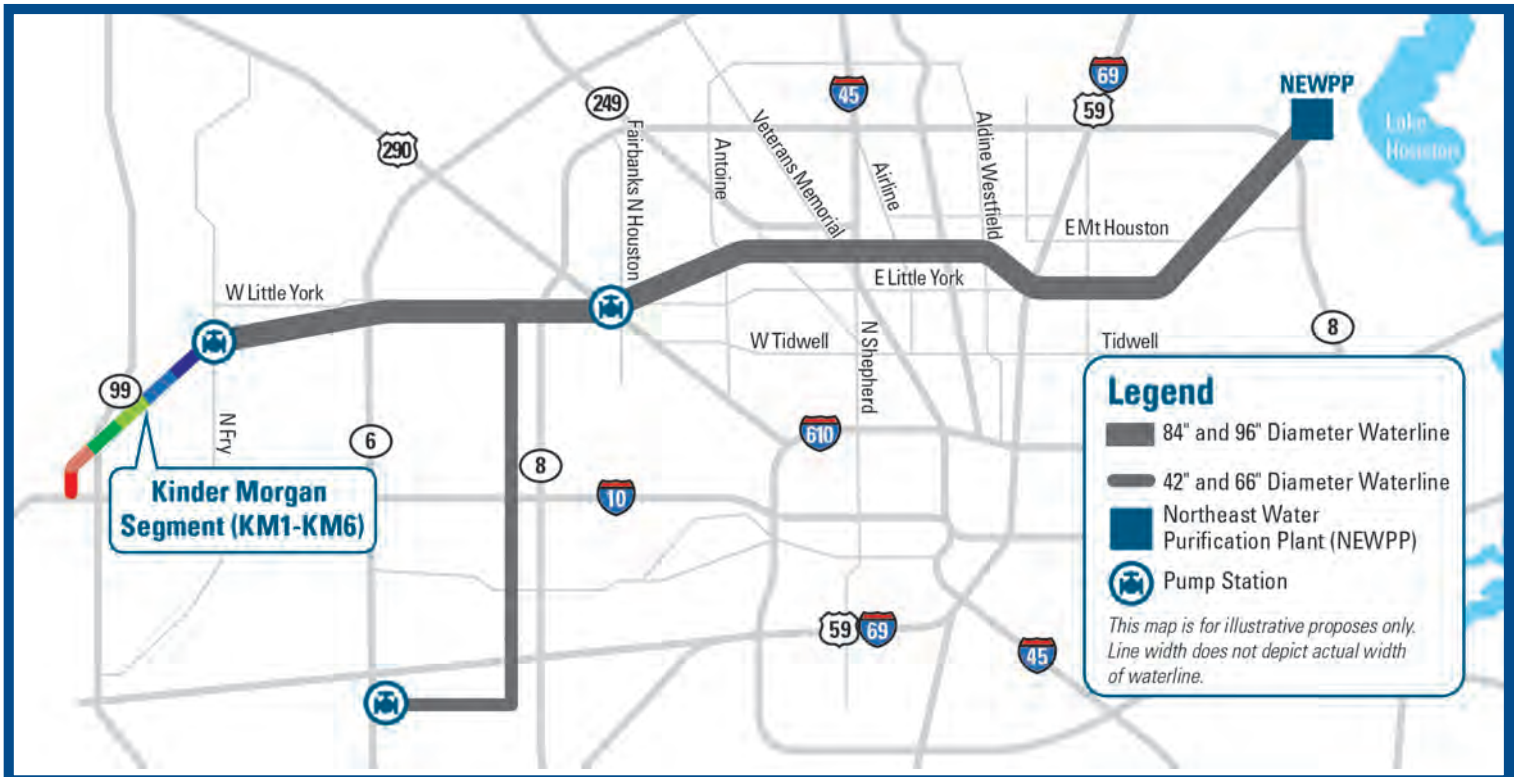


C2 waterline installation

Kinder Morgan (KM)

The Kinder Morgan is a 66-inch welded steel water line running along a Kinder Morgan pipeline corridor. The project was divided into six segments (KM1 – KM6) for construction. Currently, the Kinder Morgan segment is in design.

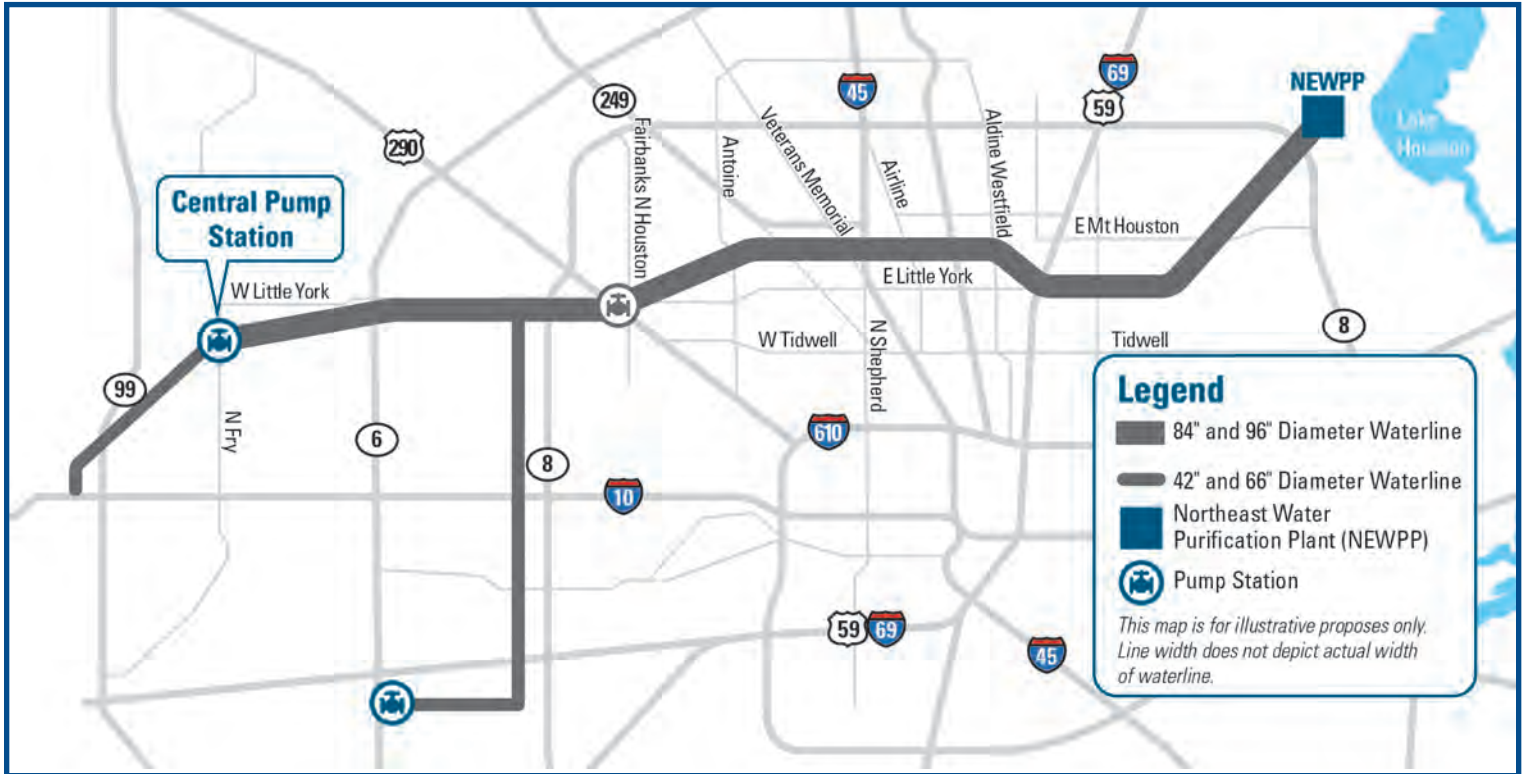
Up-to-date construction information is available online at surfacewatersupplyproject.com.



Central Pump Station

The Central Pump Station is one of two pump stations in the SWSP. The Central Pump Station has been awarded and is currently under construction.

Up-to-date construction information is available online at surfacewatersupplyproject.com.



CPS Stormwater Junction Box



CPS Subgrade Preparation



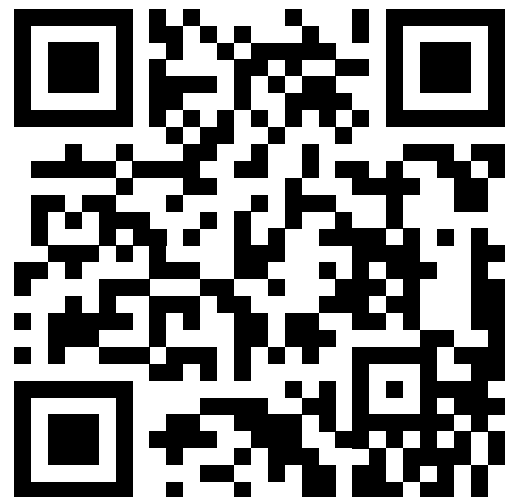
CPS Waterline installation



Rendering of the WHCRWA Central Pump Station

All schedule information included in this newsletter are subject to change, pending design, coordination, and contracting timeframes. Updated construction schedule information will be made available online at www.surfacewatersupplyproject.com/construction.

The SWSP Team provides multiple opportunities for you to receive information about the project. If you have questions about the SWSP call the hotline at 1-844-638-SWSP (7977) for updates or email the team at info@surfacewatersupplyproject.com.



2023 AWBD Summer Conference



On June 22 – 24, the West Harris County Regional Water Authority (WHCRWA) and the Surface Water Supply Project (SWSP) Team attended the 2023 Association of Water Board Directors Summer Conference in Corpus Christi.

During our time at the conference, we connected with MUD directors, board members, community members, and other attendees who wanted to know more about the WHCRWA or had questions about the on-going construction with the SWSP.



In addition, this year, the WHCRWA also had in attendance the Irry Gator who educates our communities about water conservation.

If you would like for the SWSP/WHCRWA Project Team to make a presentation to your local organization (either in-person or virtually), give us a call at 1-844-638-SWSP (7977) or email us at info@surfacewatersupplyproject.com!



For more information about water conservation visit www.whcrwa.com/education or www.irrygator.com

Two Types of Construction

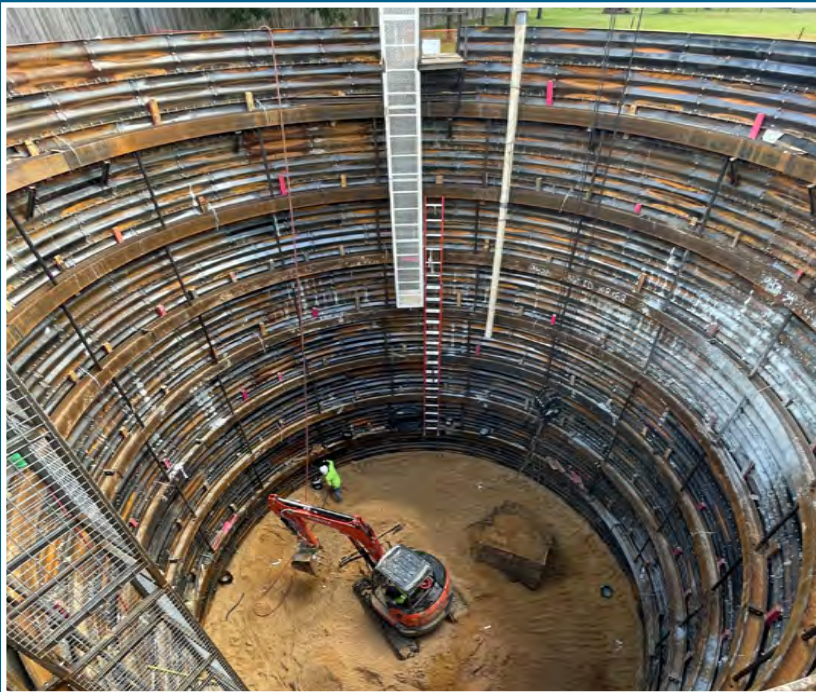
There are two types of waterline construction utilized on the Surface Water Supply Project, open cut and tunneling.

Open cut



Open-cut construction involves excavating a trench from the surface, completing work within the trench, and then backfilling to restore the surface to pre-construction conditions.

Tunneling



Tunneling involves excavating and installing the pipeline through an underground tunnel, while leaving the surface comparably undisturbed.

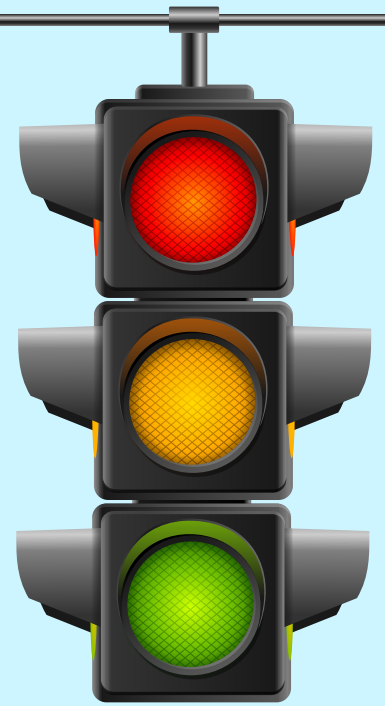
Traffic Impacts

During construction, communities may notice road closures or traffic impacts associated with the ongoing construction of Segment C. The WHCRWA is committed to ensuring that construction impacts are minimized whenever possible. For updated road and lane closure information and other related resources, please visit our website dedicated to traffic updates:

www.surfacewatersupplyproject.com/traffic

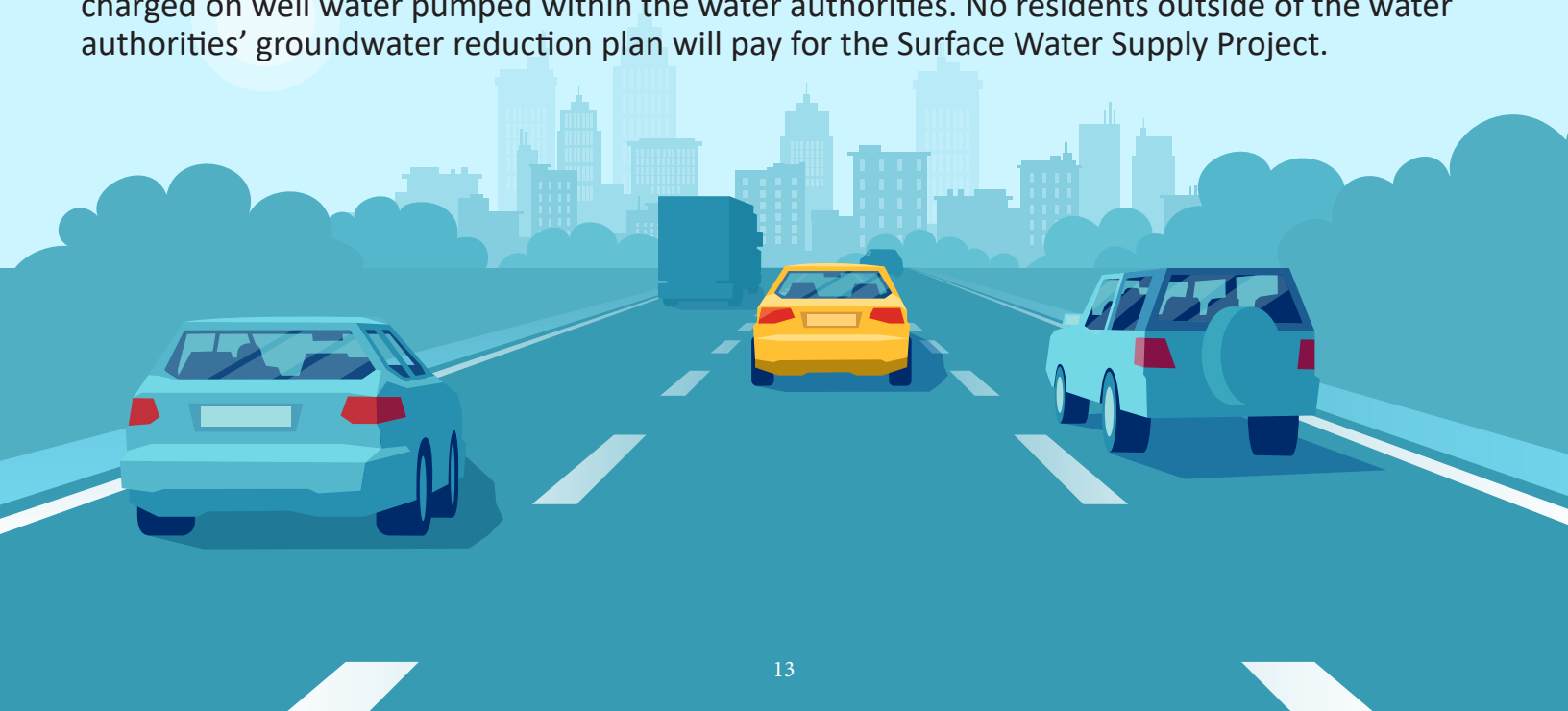
Project Safety

Safety is a key consideration for the Surface Water Supply Project Team, as contractors will be required to maintain safe job sites with regular facility and property inspections along the corridor. As necessary, contractors will be required to repair damaged roadways impacted by construction. Access to churches, schools, businesses, and other properties will be maintained throughout construction. SWSP Program Managers will coordinate with these entities and local emergency services in advance to determine any necessary road closures, identify and proactively communicate appropriate detours, and phase construction to minimize disruptions.



Funding for the Surface Water Supply Project

This project is funded through bonds issued by the WHCRWA and the NFBWA. A significant portion of these bonds will be sold to the Texas Water Development Board (TWDB) through a state-wide program for financing water projects. The total project costs are estimated to be more than \$1 billion, and this project is funded solely by the water authorities. The water authorities' interest payments and repayment of principal on the bonds to the Texas Water Development Board will be supported by each water authority's sale of surface water to their customers and pumpage fees charged on well water pumped within the water authorities. No residents outside of the water authorities' groundwater reduction plan will pay for the Surface Water Supply Project.



FAQ

Frequently Asked Questions

How was the alignment chosen for the Surface Water Supply Project?

The WHCRWA negotiated with the City of Houston to purchase additional surface water. The agreement between the City and the WHCRWA stipulates that the water must originate at the City of Houston Northeast Water Purification Plant, thereby excluding other regional surface water sources. To deliver the water from the required source, the WHCRWA took great care to choose a route that considers area residents, businesses, and existing infrastructure. The WHCRWA spent years researching and refining the route and worked with elected officials to choose the most cost-effective alignment with the least impacts to the community as a whole.

How many waterline segments will be constructed?

The project is currently in the final stage of design and is anticipated to be constructed in multiple segments, as determined by approved construction areas. The number of construction segments, as well as tentative construction timelines for each segment, is still under development.



How long will construction take in my area?

Although construction of the project is slated to occur from 2020 to 2026, no specific area is expected to be impacted for the entire four-year period. For updates regarding construction schedules, please visit www.surfacewatersupplyproject.com/construction.

Are there any delays or detours expected during construction?

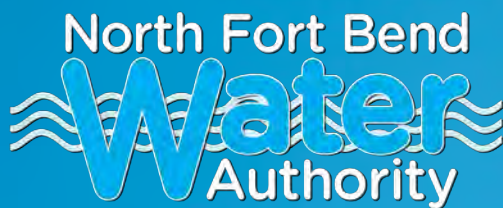
During construction, residents, business owners, and anyone traveling in the vicinity of the project alignment may experience detours, access issues, and other construction activities associated with large-scale linear projects. To minimize these impacts, the majority of the pipeline will be installed within existing pipeline corridors.

The public's safety, ease of access, and well-marked detour information will be the priority throughout the life of the project. The WHCRWA is committed to communicating proactively and continuously with the public about this project.

How will you restrict access to the construction areas?

Contractors will be required to maintain safe and secure job sites, meaning that access to construction sites will be restricted. In areas where tunneling is required, the tunnel shafts must remain open; however, construction fencing will restrict access to the area surrounding tunnel shafts.

Follow our progress as we continue to ensure reliable, long-term water supplies for west Harris County and north Fort Bend County residents.



www.SurfaceWaterSupplyProject.com