

**NORTH TEXAS MUNICIPAL WATER DISTRICT - DESIGN PROJECT LIST  
DECEMBER 2021 THROUGH SEPTEMBER 2022**

12/7/2021

**WATER SYSTEM PROJECTS:**

Project	Description	Consultant	Construction Cost Estimate	Estimated Start*
Leonard WTP Phase II	Expansion of the Leonard WTP to expand capacity to 140 MGD.	Under Negotiation	> \$50M	Dec-21
Leonard WTP Terminal Storage Reservoir Phase II (210 MG) - Design	Add a second cell adjacent to the existing North Terminal Storage Reservoir. This is needed to expand the Terminal Storage Reservoir capacity to 210 million gallons (MG).	Under Negotiation	> \$50M	Dec-21
Bois d'Arc Lake Raw Water Pump Station Phase II	Add additional pumps, yard piping, valves, electrical, and additional appurtenances to increase capacity.	Under Negotiation	\$26M - \$50M	Dec-21
Expand Leonard WTP HSPS from 90 MGD to 180 MGD	Expansion of the Leonard WTP HSPS to expand capacity to 180 MGD.	Under Negotiation	> \$50M	Jan-22
U.S. Highway 80 Texas Department of Transportation (TxDOT) Relocations	Water pipeline relocations due to highway expansions.	Under Negotiation	\$16M - \$25M	Jan-22
Rockwall County Texas Department of Transportation (TxDOT) Relocations	Water pipeline relocations due to highway expansions.	Under Negotiation	\$6M - \$15M	Jan-22
East System Control Valve Vault	Add a new meter valve vault that will service between High Service Pump Station (HSPS) 3-1 and the East transmission system. Includes the addition of a 48-inch bypass pipeline for the new valve vault to allow more flow through the bypass into the East transmission system.	Under Negotiation	\$2M - \$5M	Jan-22
Wylie WTP II Ferric Sulfate Storage and Feed Improvements	Replace day tanks for WTP II ferric sulfate. Replace pumps, motors, valves, rehab or replace storage tanks for WTP II ferric sulfate.		\$16M - \$25M	Jan-22
Wylie WTP IV, Liquid Treatment Improvements	Improvements for Flocculation Basins (1-4): Seal cracks, replace baffles, overhaul mechanical mechanisms, miscellaneous electrical and instrumentation. Improvements for Rapid Mix (1-4) Seal cracks, replace platform, replace rapid mix assembly, miscellaneous electrical and replace ferric meters.		\$6M - \$15M	Feb-22
36" Wylie to Rockwall Pipeline Phase II	Construct new 36-inch Water Transmission Pipeline and associated appurtenances within the City of Rockwall. Phase I is currently in construction.		\$16M - \$25M	Feb-22
Apollo and Shiloh Pump Stations Physical Security Improvements	Site security improvements at two pump stations in the water transmission system. Includes site security improvements at the Wylie Water Treatment Plant complex.		\$2M - \$5M	Mar-22
Wylie Water Treatment Plants (WTPs) II, III, and IV Filter Media Improvements	Replacement of existing filter media at Wylie WTPs II, III, and IV.		\$26M - \$50M	Apr-22
Wylie WTP III, Filters	Improvements to Filters: Replace 16-inch air pipelines, miscellaneous piping, update lighting, and replace instrumentation and control. Improvements to the Pneumatic System: Replace components of filter influent, effluent, and sludge pneumatic system.		\$16M - \$25M	Apr-22

**Notes:**

The awards of the projects are subject to approval by NTMWD Board of Directors

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**WATER SYSTEM PROJECTS (continued):**

Project	Description	Consultant	Construction Cost Estimate	Estimated Start*
Supervisory Control and Data Acquisition (SCADA) System Upgrade 2022	Routine annual system upgrades.		< \$2M	Apr-22
Additional Clearwells at Wylie WTP 2024	Addition of a new clearwell to provide additional storage capacity at the Wylie Water Treatment Plant		\$16M - \$25M	Jun-22
Texoma Pipeline Improvements Phase III	Cathodic protection improvements on the Texoma Pipeline.		< \$2M	Jun-22
Casa View Pump Station Mechanical Improvements	Rehabilitation and/or replacement of existing pumps.		\$2M - \$5M	Jul-22
Raw Water Pump Station No. 1 Improvements	Seal cracks, make foundation repairs, and repair exterior damage. Add a new sump pump and improvements for ventilation. Further improvements include replacement of piping, pumps, valves, flow meter, PLC, level floats, and miscellaneous equipment.		\$6M - \$15M	Aug-22

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**WASTEWATER SYSTEM PROJECTS:**

Project	Description	Consultant	Construction Cost Estimate	Estimated Start*
Stewart Creek West WWTP Process Improvements	Additional blowers and rehabilitation of deteriorated Primary Clarifier No. 1 mechanisms at the Stewart Creek West WWTP.		< \$2M	Feb-22
Wilson Creek Regional WWTP Phase I Improvements	Improvements to the Wilson Creek Regional WWTP including electrical improvements. A preliminary design will be done first followed by a final design.		> \$50M	Feb-22
Princeton Force Main Replacement	Replace approximately 4 miles of 12/18-inch force main from the Princeton Lift Station to FM 546.		\$6M - \$15M	Feb-22
Princeton Lift Station Expansion	Expansion of the Princeton Lift Station		\$6M - \$15M	Feb-22
UEFIS Supervisory Control and Data Acquisition (SCADA) System Upgrade 2022	SCADA system upgrades in the UEFIS.		< \$2M	Apr-22
South Mesquite Regional WWTP Peak Flow Management and Expansion Phase II	Project includes new north headworks screen and grit removal, primary clarifier, aeration basins, return activated sludge/waste activated sludge facility, filter facility improvements, ultraviolet disinfection system, electrical and SCADA improvements, and additional backup power (generator).	Under Negotiation	> \$50M	Apr-22
Beck Branch Lift Station Improvements, Prairie Creek Lift Station Improvements, and Renner Road Lift Station HVAC Improvements	Replace three pumps at the Beck Branch Lift Station with electrical improvements. Install an additional pump at the Prairie Creek Lift Station. Upgrade the HVAC at the Renner Road Lift Station. All three locations require upgrades to SCADA, Security, Odor Control and electrical.		\$2M - \$5M	May-22
Floyd Branch Regional WWTP Peak Flow Management	Expansion of Peak Flow capacity according to recommendations from the Master Plan. The Master Plan is currently in progress.	Under Negotiation	\$6M - \$15M	Jun-22
Lower Rowlett Creek Lift Station Improvements	Pump and motor replacements, valve replacements, among other miscellaneous appurtenances.		\$2M - \$5M	Jun-22

**SOLID WASTE SYSTEM PROJECTS:**

Project	Description	Consultant	Estimate	Start*
Wylie Service Center	Remodeling of the existing service center located at the Wylie Water Treatment Plant.	Under Negotiation	\$2M - \$5M	Mar-22
North Transfer Station - Environmental Site Assessment	Environmental evaluation of a new transfer station in the northern portion of the NTMWD service area.		< \$2M	Apr-22
Parkway Transfer Station Conversion to Top Load	Convert transfer station from side loading trucks to top loading trucks		\$2M - \$5M	May-22

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