

**NORTH TEXAS MUNICIPAL WATER DISTRICT - CONSTRUCTION PROJECT LIST
NOVEMBER 2020 THROUGH SEPTEMBER 2021**

11/3/2020

WATER SYSTEM PROJECTS:

Project	Description	Construction Cost Estimate	Estimated Bid*
Wylie to Rockwall Pipeline Relocation	Relocate section of existing 20-inch pipeline. Upsize section of 20-inch pipeline to 42 inches. Install multiple interconnects in East transmission system.	\$16M - \$25M	Nov-20
Forney Delivery Point No. 1 Site Improvements	Improvements to pump station and ground storage tank at the Forney Pump Station.	< \$2M	Nov-20
Wylie WTP Plant IV Filter Complex Wall Repair	Wall Repair at Wylie WTP IV filters. (Felix Construction Company - Construction Manager At-Risk - Refer to CMAR for bid packages)	\$6M - \$15M	Dec-20
Wylie WTP II Sedimentation Basin Troughs Improvements	Upgrades to steel troughs on basins 1,5,6, and 8 at Wylie WTP II.	\$2M - \$5M	Dec-20
Wylie WTP III, Plant Water Improvements	Upgrade plant water system for Wylie WTP III. Includes replacing and adding pumps, piping, and valves.	\$2M - \$5M	Dec-20
Wylie WTP I Washwater Supply System Improvements	Replace Wylie WTP I elevated wash water supply tank.	\$2M - \$5M	Dec-20
Texoma Surge Mixing and Blending Tanks Improvements	Mixing/Aeration system for Texoma surge, mixing, and blending tanks at Wylie WTP.	\$2M - \$5M	Jan-21
Hailey Pump Station, Ground Storage Tank Rehabilitation and Site Improvements, and Forney to Terrell Pump Station Communications Tower	Improvements to pump station, tanks and Mesquite No. 1 delivery point. Addition of a communications tower at the Forney to Terrell Pump Station.	\$2M - \$5M	Jan-21
North System Air Valve Improvements Phase II	Addition or replacement of air valves in the North Distribution System.	\$2M - \$5M	Feb-21
Wylie WTP II, Structural and Mechanical Improvements Phase I	Structural and mechanical improvements at Wylie WTP II filters, clearwells, and backwash pump station. (Construction Manager At-Risk - Refer to CMAR for Bid Packages)	\$6M - \$15M	Feb-21
Systemwide Meter Vault Improvements - Setpoint Control Phase IV	New control valve, associated piping, flow meter, vault, and electrical enclosure at Phase IV delivery points.	\$6M - \$15M	Mar-21
Bonham and Tawakoni WTP Improvements	Improvements to existing systems at both the Tawakoni and Bonham WTPs. Includes improvements to the intake at the Bonham WTP.	\$6M - \$15M	Mar-21
High Service Pump Stations 2-2 and 2-3 Control Valve Improvements	Pump control valve improvements at high service pump stations 2-2 and 2-3.	\$6M - \$15M	Apr-21
Shiloh System Ground Storage Tank	New ground storage tank with associated yard piping, site work, and SCADA in NTMWD's South Transmission System.	\$6M - \$15M	Apr-21
Additional Clearwells at Wylie WTP 2023	New clearwell to provide additional storage capacity at the Wylie Water Treatment Plant	\$16M - \$25M	Apr-21
Wylie WTP III, Sludge Handling and Reclaim Basin Improvements	Recoat walls, replace pumps, valves, isolation valves, piping and electrical equipment at Plant III sludge building. Add reclaim basin to WTP III.	\$16M - \$25M	Apr-21
Apollo Pump Station 2020 Electrical and Mechanical Improvements	Electrical and mechanical improvements to the pump station	\$6M - \$15M	Apr-21
Wylie to Garland 42-inch Pipeline Relocation	Relocate 1,400 linear feet of 42-inch pipeline between Brown Street and Marble Street adjacent to US Highway 78 in Wylie.	< \$2M	May-21
Texoma Raw Water Pipeline Fiber Optic Improvements	Install approximately 26 miles of fiber optic conduit, wire, and appurtenances along 72-inch Texoma Raw Water Pipeline from Howe Balancing Reservoir to Texoma Raw Water Pump Station	\$2M - \$5M	May-21

Notes:

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WATER SYSTEM PROJECTS (continued):

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North Water Transmission System SCADA Network Split	New data concentrator, network equipment, in-plant Radio Frequency, remote Radio Frequency. New radio building, backup generator, and plant fiber.	\$2M - \$5M	Jun-21
Wylie WTP Ammonia System Improvements	Improvements to existing ammonia facilities at all four Wylie Water Treatment Plant.	\$6M - \$15M	Jul-21
Wylie WTP II, Structural and Mechanical Improvements Phase II	Structural and mechanical improvements at Wylie WTP II filters, clearwells, and backwash pump station. (Construction Manager At-Risk - Refer to CMAR for Bid Packages)	\$6M - \$15M	Jul-21
Wylie WTP Conversion to Biologically Active Filtration	Phased transition of each of the four Wylie Water Treatment Plants to Biologically Active Filtration (BAF). (Construction Manager At-Risk - Refer to CMAR for Bid Packages)	\$26M - \$50M	Aug-21
Trinity River Main Stem Pump Station Lock and Dam Structure	Erosion control requires armoring of the channel abutments to prevent scouring. Anchor structure to increase stability	< \$2M	Aug-21
Plano-McKinney Water Transmission System Phase I, Relocation of 84" and 42" Pipelines	Relocate approximately 3,600 feet of 84" waterline due to road widening	\$6M - \$15M	Sep-21
Wylie WTP I, Filter Media Improvements	Replace existing filter media at Wylie WTP I.	\$2M - \$5M	Sep-21
Wylie WTP III, Outfall Improvements	Improvements and upgrades at the Wylie Water Treatment Plant III for stormwater runoff.	\$2M - \$5M	Sep-21
Wylie WTP II, Plant Water Improvements	Wylie WTP I and II plant water improvements include adding piping and valves to loop the system and to add chlorine injectors for backup.	\$2M - \$5M	Oct-21

WASTEWATER SYSTEM PROJECTS:

Project	Description	Construction Cost Estimate	Estimated Bid*
Wilson Creek Regional WWTP Plant Drain Improvements	Construction of a larger capacity gravity collection system to drain major facilities to the new McKinney Lift Station.	\$2M - \$5M	Nov-20
Upper East Fork Interceptor System Rehabilitation and Improvements	Approximately 1,300 Linear Feet of Cured in Place Pipe lining for 24-inch and 27-inch reinforced concrete pipe in Allen and Richardson.	< \$2M	Nov-20
Buffalo Creek Parallel Interceptor Phase I	Parallel 43,600 linear feet of existing 36-inch with 48-inch from the Buffalo Creek WWTP to FM 740.	\$26M - \$50M	Nov-20
Rowlett Creek Regional Wastewater Treatment Plant (RWWTP) Operations Building	Construct a new operations building for NTMWD personnel at the Rowlett Creek Regional WWTP.	\$2M - \$5M	Dec-20
North McKinney Parallel Interceptor	Parallel 12,000 linear feet of approximately 66-inch diameter gravity interceptor from the Princeton Force Main parallel junction to the new McKinney Lift Station at Wilson Creek RWWTP.	\$6M - \$15M	Jan-21
Muddy Creek WWTP Operations Building Improvements	Expand Operations Building to include offices, training room, restrooms, lockers, and meeting space.	< \$2M	Jan-21

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Project	Description	Construction Cost Estimate	Estimated Bid*
Rowlett Creek Regional WWTP Peak Flow Management Phase II Electrical Improvements	Upgrades to existing electrical equipment (replacement of two Motor Control Control Centers) and electrical building with blowers on the wastewater treatment plant site.	< \$2M	Jan-21
Rowlett Creek Regional WWTP Peak Flow Management Phase IIA Solids Improvements	Plant improvements on the solids side to expand peak flow treatment capacity to 77.5 MGD.	\$26M - \$50M	Jan-21
Wilson Creek Regional Wastewater Treatment Plant Aeration Basin Improvements	Upgrades to eight aeration basins and header air piping along with all appurtenances at Plant I located at the Wilson Creek Regional WWTP.	\$6M - \$15M	Jan-21
Wilson Creek Regional Wastewater Treatment Plant Step Feed Improvements	Improvements to the Wilson Creek Regional WWTP Aeration Basins to reconfigure for step feed operation. Project includes replacing slide gates, additional piping, new flow split structures and all associated electrical, instrumentation and controls.	\$2M - \$5M	Jan-21
North McKinney Transfer Force Mains	Two 48-inch force mains 26,000 linear feet each from the North McKinney Transfer Lift Station to the Sister Grove Regional Water Resource Recovery Facility.	\$26M - \$50M	Jan-21
North McKinney Transfer Lift Station	New 128 million gallon per day (mgd) transfer lift station adjacent to the existing North McKinney Lift Station.	\$26M - \$50M	Jan-21
Wilson Creek Transfer Force Mains	Approximately 15,900 linear feet of two transfer forcemains (36-inch/42-inch or twin 42-inch) from the Wilson Creek Lift Station to the North McKinney Lift Station.	\$6M - \$15M	Jan-21
McKinney-Prosper Transfer Sewer Phase I	Parallel 10,540 linear feet of 72/54-inch gravity sewer line from Wilson Creek Lift Station to US-75. Bore across US-75.	\$16M - \$25M	Feb-21
Sloan Creek Lift Station	A new 10.3 mgd lift station to address growth in Allen and Fairview.	\$6M - \$15M	Apr-21
Sloan Creek Force Main	Approximately 51,000 linear feet of dual 12-inch and 20-inch force main to address growth in Allen and Fairview.	\$6M - \$15M	Apr-21
Forney Mustang Creek Lift Station Phase II and Forney Force Main Improvements	Replace existing 16-inch/18-inch force main with a 36" to accomodate growth. Abandon the upper portion of the force main and reconnect to the Forney Mustang Creek Lift Station. Upgrade the lift station that is currently under construction from 12 MGD to 30 MGD to handle growth.	\$6M - \$15M	Jul-21
Buffalo Creek Interceptor Tunnel	Construct a 10,500 linear feet gravity tunnel interceptor with deep elevations between the Buffalo Creek Lift Station and the South Mesquite Regional WWTP. The tunnel will cross under the East Fork of the Trinity River.	\$26M - \$50M	Jul-21
South Mesquite Regional WWTP Peak Flow Management and Expansion, Phase I	New Peak Flow Basin and new Influent Lift Station to manage 41 MGD Annual Average Daily Flow.	\$26M - \$50M	Jul-21
McKinney-Prosper Transfer Sewer Phase II	Parallel 13,080 linear feet of 54-inch gravity sewer line from US-75 to Hardin Blvd.	\$6M - \$15M	Sep-21
Upper East Fork Interceptor System Bypass Connection and Phase II Valve Improvements	Replace inoperable gate valves at various locations with plug valves. Replace 21 isolation valves, 3 check valves, and 2 surge valves with air valves. Install bypass connections at 4 lift stations. For lift stations that cannot be isolated, provide an outside bypass connection valve to the force main in order to divert the lift station completely.	\$2M - \$5M	Sep-21

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SOLID WASTE SYSTEM PROJECTS:

Project	Description	Construction Cost Estimate	Estimated Bid*
121 RDF Heavy Equipment Shop Addition	Expand 121 RDF Heavy Equipment Shop to provide for additional parts room, storage, and work space.	\$2M - \$5M	Mar-21
121 RDF South Slope Closure	Final landfill cover for 75 Acres on the south slope of the 121 RDF Landfill.	\$2M - \$5M	Apr-21

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