



Cottonwood & Hackberry Creek Wastewater Interceptor Improvements

LOCATION: Irving, TX

OWNER: City of Irving

OWNER CONTACT: Robert Saucedo, City Engineer
835 W. Irving BLVD
Irving, Texas 75060
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ARCHITECT OR ENGINEER: Brian Glynn, P.E.
Freese and Nichols, Inc.
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PROJECT PROFILE

The work to be performed under this contract consists of furnishing all pipe, concrete, steel, appurtenances, tools, equipment, labor and incidentals necessary to install complete in place approximately four thousand nine hundred (4900) linear feet of 60-inch and 54-inch fiber reinforced pipe from HOBAS. The tunnel project featured a single drive extending 2,100 linear feet, including a 947 linear foot curve with an 8,083 radius. This achievement set a new North American record for the longest single tunnel drive using Hobas pipe across all diameters.

The primary method of pipe installation is trenchless microtunneling utilizing a Akkerman SL-60 MTBM. Shaft construction consists of ribs and boards ranging in size from 18' to 32' diameter with an average vertical depth of 28'.

A total of nine shafts were constructed on this project. Additional work includes associated manholes, one junction box, lift station demolition, Rochelle lift station site improvements and odor control devices. The work was constructed in a high-end urban environment consisting of large corporations and luxury residential living. This is the first microtunneling project for the City of Irving.



TOTAL VALUE OF CONTRACT: \$26,729,810

COMPLETION TIMELINE:
January 2023-October 2024

COMPLETED AS:
PRIME CONTRACTOR