ENGINEERING REPORT

PROJECT NO. WC-0930

WATER TRANSMISSION MAIN AND BOOSTER STATION NO. 9 IMPROVEMENTS

FROM BOOSTER STATION NO. 9 7626 W RENO AVENUE TO MELROSE LANE

PREPARED FOR

Oklahoma City Water Utilities Trust
420 W Main St, Suite 500
Oklahoma City, Oklahoma 73102

PREPARED BY

Tetra Tech
7645 East 63rd Street, Suite 301
Tulsa, Oklahoma 74133

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THE OKLAHOMA CITY WATER UTILITIES TRUST

ENGINEERING REPORT

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TO MELROSE LANE

Prepared by:
TETRA TECH
7645 East 63rd Street, Suite 301
Tulsa, Oklahoma 74133
Phone 918.249.3909

John Brummer, P.E.
Design Engineer

John E Brummer

Recommended for Receipt

Crystal Kowalik, P.E., Interim Engineering Manager

Chris Browning, General Manager

Eric Wenger, P.E., City Engineer

RECEIVED by the Trustees and signed by the Chairman of the Oklahoma City Water Utilities Trust this 13th day of April, 2021

ATTEST: **OKLAHOMA CITY WATER UTILITIES TRUST**

Amy K. Simpson
Secretary

OKLAHOMA CITY WATER UTILITIES TRUST OFFICIAL SEAL OKLAHOMA

Chairman

CONCURRED by the Council and signed by the Mayor of The City of Oklahoma City this 27th day of April, 2021.

ATTEST: **THE CITY OF OKLAHOMA CITY**

Amy K. Simpson
City Clerk

SEAL OF THE CITY OF OKLAHOMA CITY

David Holt
Mayor

REVIEWED for form and legality.

Craig B. Keith
Assistant Municipal Counselor

EXECUTIVE SUMMARY

Scope:

Tetra Tech was selected by the Oklahoma City Water Utilities Trust (OCWUT) to design a 42" Water Transmission Main from Booster Station No. 9 at 7626 W. Reno Ave. to near 7500 Melrose Lane.

Summary:

Project WC-0930 will install 3,926 linear feet of 42" Water Transmission Main from the discharge side of existing Booster Pump Station No. 9 to a location near 7424 Melrose Lane, connecting to project WC-0855. The new water transmission main will be installed beginning approximately 25 feet west of the existing Booster Station No. 9 property. From there, the water line will extend to the north across eastbound lanes of Reno to the median extending east approximately 450 feet, then extend north across westbound Reno Ave. At this point the pipeline will parallel 48-inch water line project WC-0853 on the south and east side of 7725 Reno Ave property in a new easement. The pipeline will turn east at the north end of the 7725 Reno Ave for approximately 550 feet. The alignment will extend north along the east property line approximately 850 feet to a point on the south side of Melrose Lane near 7500 Melrose Lane where it will connect to project WC-0855. The majority of this water main will require acquisition of new easements (*See Project Location Map, Appendix B & C)*. The design will utilize steel pipe.

Cost Estimate:

Welded Steel Pipe, 3,926 linear feet	$3,714,200
Backup Generator, 1 MW	$1,188,100
Contingency	10%
Total Estimated Construction Cost	$5,390,000

Schedule:

OCWUT Approval – April 2021

90% plans completed – May 2021

Final plan to be completed – July 2021

Easement acquisition anticipated to be complete – June 2021

Advertise Project – August 2021

Construction Contract – September 2021

Construction completed – September 2022

Recommendations:

Tetra Tech recommends that the Oklahoma City Water Utilities Trust receive the Engineering Report and authorize Tetra Tech to continue with Final Plans and Specifications.