



**CITY OF HOUSTON - CITY COUNCIL**

Meeting Date:

District H

Item Creation Date: 7/15/2025

HPW – 20WVO1197 Accept Work / Vortex Lining Systems, LLC (formerly known as Quadex Lining Systems, LLC)

Agenda Item#:

**Background:**

**SUBJECT:** Accept Work for Sanitary Sewer Rehabilitation by Cured-In-Place Pipe Method (LDS).

**RECOMMENDATION: (SUMMARY)** Pass a motion to approve the final contract amount of \$3,792,754.35 or 17.93% under the original contract amount, accept the Work and authorize final payment.

**PROJECT NOTICE/JUSTIFICATION:** This project was part of the Neighborhood Sewer Rehabilitation Program and was required to renew/replace various deteriorated neighborhood collection systems throughout the City. The project involved sanitary sewer rehabilitation by cured-in-place pipe method. The purpose was to reduce sanitary sewer overflows, which was accomplished by renewal/rehabilitation of deteriorated collection systems.

The work performed under this contract award was necessary to maintain compliance with Houston's wastewater consent decree with the EPA and TCEQ.

**DESCRIPTION/SCOPE:** This project consisted of Sanitary Sewer Rehabilitation by the Cured-In-Place Pipe Method (LDS). The project was awarded to Vortex Lining Systems, LLC (formerly known as Quadex Lining Systems, LLC) with 730 calendar days allowed for construction and an original contract amount of \$4,621,476.26.

**LOCATION:** The projects are located in Council District H.

**CONTRACT COMPLETION AND COST:** The contractor, Vortex Lining Systems, LLC (formerly known as Quadex Lining Systems, LLC), has completed the work under the subject contract. The project was completed within the original contract time. The final cost of the project, including overrun and underrun of estimated unit price is \$3,792,754.35, a decrease of \$828,721.91 or 17.93% under the original contract amount. The decreased cost is a result of the difference between planned and measured quantities.

**M/W/SBE PARTICIPATION:** The advertised M/WBE contract goals for this project were 19.44% MBE and 9.17% WBE. The M/WBE goals approved for this project were 20.46% MBE and 9.17% WBE. According to the Office of Business Opportunity, the actual participation achieved on this project was 15.21% MBE and 1.10% WBE. The M/WBE performance on this project was rated Satisfactory due to Good Faith Efforts for the following reasons: The Prime made every effort to fully utilize the originally listed M/WBE firms to meet the project's goal credit. However, a project scope change necessitated the use of highly specialized technology, significantly reducing the scope of work that could be feasibly allocated to subcontractors. For the reasons listed, the MWSBE performance meets the good faith efforts requirements mandated by the City's MWSBE Program.

DocuSigned by:

8/20/2025

BE463EF0DF434EB...  
Randall V. Macchi, JD  
Director, Houston Public Works

WBS No. R-002013-0056-4  
File No. 4258-79

**Prior Council Action:**

Ordinance No. 2019-1013, dated 12-11-2019

**Amount and Source of Funding:**

No additional funding required.

Original appropriation of \$4,897,550.00 from Fund No. 8500 - Water and Sewer Consolidated Construction Fund. This project was eligible for low interest funding through a State Revolving FUND (SRF) Equivalency loan.

**Contact Information:**

<b>Name</b>	<b>Service Line</b>	<b>Contact No.</b>
Roberto Medina, Assistant Director	DO-HPW Council Liaison Office	832.395.2456
Maria Perez, HPW Agenda Coordinator	DO-HPW Council Liaison Office	832.395.2282
Dr. Joseph G. Majdalani, P.E., Senior Assistant Director	HPW Houston Water	832.395.8530

**ATTACHMENTS:**

<b>Description</b>	<b>Type</b>
Council Districts Map	Backup Material
Location List	Backup Material
Location Maps	Backup Material
OBO Documents	Backup Material
Prior Council Action	Backup Material
Ownership Information Form & Tax Report	Backup Material
Change Order No. 1	Backup Material
Final Estimate	Backup Material