

**2019 AERIAL SEWER REPAIRS  
CHANGE ORDER TABULATION**

ITEM	COST	TOTAL	DESCRIPTION
		<b>2,608,472.20</b>	<b>Original Contract Amount</b>
Area 3 - new piers to support the 42" concrete cylinder sewer pipe	138,450.00		On-site excavation at Area 3 revealed damage to the existing pier support and extensive erosion under the existing 42" concrete cylinder sewer pipe which had not been anticipated. Freese and Nichols recommended installation of 4 additional piers to support the pipe. Cost includes additional excavation necessary to expose existing encasement around the pipe.
Area 3 - channel bottom stabilization	32,300.00		Improvements are being incorporated to the bottom of the channel of Walnut Creek under the pipe to support equipment necessary to clean debris off of the pipe and columns after heavy rainfall.
Various traffic/pedestrian controls & entrance modification	46,530.00		Areas 1 and 4 required construction entrances along TxDOT-controlled highways which needed flashing arrow boards. Entrance at Area 4 was modified to remove and replace a guard rail. Additional project signage and temporary fencing was added to Area 3.
Area 5 - Extension of 12" sewer pipe replacement	34,500.00		A portion of existing 12" PVC sewer line was in direct conflict with the new location of the 27" sewer interceptor. 150 linear feet of 12" sewer line needed to be replaced due to constructibility issues.
Area 2 modifications	-71,767.20		In response to anticipated development of the area, a temporary solution was deemed appropriate in-lieu of the engineer's permanent solution including pier supports. The temporary solution involves slip-lining the existing sanitary sewer line to achieve an additional 5-10 years of life.
Overruns of contract quantities	16,779.82		To-date net accounting of cost overruns and underruns of contract items.

**196,792.62 Total**

**2,805,264.82 Revised Contract Amount**

**130,423.61 5% Contingency Previously Approved at Council Award**

**66,369.01 Change Order Amount**

**2.54% Percentage of Contract**

**Descriptions of Areas**

**Area 1:** Walnut Creek at US287: Replace existing 8" PVC line that spans Walnut

**Area 2:** Tributary to Walnut Creek near Hobby Lobby: Convert an existing exposed 12" PVC sewer line crossing to an aerial crossing with piers.

**Area 3:** Walnut Creek at Fox Hollow Dr.: Stabilize the streambank adjacent to the existing 42" RCP aerial sewer crossing to resist future potential damage to the sewer.

**Area 4:** Hogpen Branch at Cains Ln.: Realign existing 12" PVC sewer main and 8" PVC sewer lateral in this vicinity further away from the creek. An existing parallel sewer configuration will be combined into a single sewer configuration within the project boundary.

**Area 5:** Hogpen Branch at Brookfield Lane: Combination of sewer relocation and bank stabilization to protect the existing 27" PVC sewer line that is currently exposed in the bank of Hogpen Branch behind Brookfield Lane.

**Area 6:** Walnut Creek at Fox Hollow Dr.: stabilize the current erosion on the bank of the creek to protect the 42" PVC sewer line that is exposed.