

**City of Lauderdale**

**\*\*The following change orders were accrued due to inaccurate as-built information that the CITY OF LAUDERHILL presented to our Engineer of Record for design of this project**

Items	Description	Originally Proposed	Cost	Background Information
CO #1	Standby - Delay due to 30" RWL in conflict with 12" SS Line	\$ 85,301.14	\$ 64,570.98	The alignment of the RWL was inaccurately reflected causing delays until resolved
CO #10	Installation of 8" SS Laterals	\$19,102	\$ 5,600.00	As-built plans indicated 6" SS laterals, instead of 8" SS Laterals found in the field
CO #13	F&I 30" CMP STA 2+48.5	\$ 3,462.00	\$ 3,380.41	Drainage line was inaccurately represented resulting in damage that required repair
CO #25	Extension of 12" Water Line Cross 47th Avenue	\$ 4,791.12	\$ 4,791.12	As-built provided by City did not accurately reflect water main connections
CO #29	Sidewalk Repairs	\$ 20,732.44	\$ 17,000.00	Pre-existing sidewalk deficiencies not included in scope of work
<b>Total</b>		<b>\$ 133,388.68</b>	<b>\$ 95,342.51</b>	

**Unforeseen Conditions**

**\*\*The following change orders were accrued to due conditions unforeseen prior to excavation.**

Items	Description	Originally Proposed	Cost	Background Information
CO #9	F&I Sanitary Sewer Manhole 2A	\$ 20,787.20	\$ 20,787.20	Additional manhole required to avoid communication line that were discovered
CO #14	F&I Catch Basin at 9+70	\$ 7,605.43	\$ 6,739.50	Catch basin discovered in failing condition upon excavation
CO #15	F&I CMP 9+70	\$ 5,040.20	\$ 4,967.50	Drainage pipe discovered in failing condition upon excavation
CO #17	F&I Single Line Stop 12" and 14"	\$ 23,795.00	\$ 19,175.00	Valves not properly located to isolate 1,800 LF of existing FM
CO #21	Drainage Repair	\$ 2,576.23	\$ 1,364.56	Catch basin discovered in failing condition upon excavation
CO #24	Added Material for FM Tie In	\$ 8,619.73	\$ 6,319.73	Additional materials and adjustments required to tie back into forcemain
CO #27	Drainage Repair	\$ 3,388.40	\$ 3,388.20	Drainage pipe discovered in failing condition upon excavation
CO #31	F&I 1" Asphalt Driveway STA 3+40	\$ 1,555.56	\$ 1,556.24	
<b>Total</b>		<b>\$ 71,812.19</b>	<b>\$ 64,297.93</b>	

**Engineer of Record - Craven Thompson & Associates**

**\*\*The following change orders were accrued due to omissions in plans and discrepancies in as-built information provided by the Engineer of Record - Craven Thompson & Associates**

Items	Description	Originally Proposed	Cost	Background Information
CO #4	Remove and Dispose of Existing Trees 12" Diameter	\$ 9,750.00	\$ 8,450.00	Plans provided did not accurately estimate the amount of trees to be removed. Water main was adjusted to avoid the removal of as many trees as possible.
CO #12	Bypass System Pump	\$ 8,024.00	\$ 4,217.17	Plans provided did not accurately reflect the alignment of the Broward County Forcemain. The engineer of record (Craven Thompson & Associates) provided alignment of the BC FM. Field Adjustments had to be made for the progress of the project. The decision was made to replace in place manholes #'s 4, 5 & 6.
CO #18	Modify Tie in 4" Water Service STA 4+05 to STA 4+37	\$ 4,778.73	\$ 3,884.73	Plans provided did not detail connection for water service tie-in
CO #19	Modify Tie in 4" to 6" at STA 12+18	\$ 4,436.73	\$ 3,542.73	Plans provided did not detail connection for water service tie-in
CO #23	Demo Existing Sewer Structure #'s 4, 5 & 6	\$ 4,438.23	\$ 3,759.12	See CO #12
CO #28	Bus Pad Reconstruction - 47th Terrace	\$ 20,943.00	\$ 20,943.00	Proposed roadway plans did not match previous existing grade at the bus pads. The proposed final grade of the roadway did not account for fixed structures adjacent to the roadway.
CO #30	NW 21st Street North-Side Driveway Reconstruction	\$ 27,666.67	\$ 25,577.00	Plans provided did not show restoration of the northern driveways. The alignment of watermain was moved into the swale, but restoration of the driveways was not added.
CO #20	Bid Item Overrun	\$ 8,113.81	\$ 8,113.81	The sum bid item overruns that were underestimated in the schedule of values prepared by the Engineer of Record (Craven, Thompson & Associates)
CO #32	Irrigation	\$ 15,400.00	\$ 15,400.00	Plans provided did not accurately reflect the amount of irrigation that would need to be replaced
CO #33	Sod Installation	\$ 60,000.00	\$ 50,000.00	Plans provided did not accurately reflect the amount of sod that would need to be replaced.
<b>Total</b>		<b>\$ 163,551.17</b>	<b>\$ 143,887.56</b>	

**Continental Construction**

**\*\*The following change orders was proposed by the contractor Continental Construction Company. The city believes this to be means & method and did not authorize work.**

Items	Description	Originally Proposed	Cost	Background Information
CO #26	Dewater Water and Forcemain lines at Castle Garden Wall	\$29,717.23	\$ -	- Contractors means & method - Not approved by City

**Total Requested \$ 398,469.27 \$ 303,528.00**