

April 20, 2017

Mr. Clece Aurelus
City of Hollywood
Department of Public Utilities –ECSD
1621 N. 14th Avenue
Hollywood, FL 33022

**RE: Davie Road Extension Water Main Replacement
City of Hollywood Job No. 15-5129
Bid Analysis and Recommendation for Award**

Dear Mr. Aurelus:

CRANEN THOMPSON



& ASSOCIATES INC.

Engineers
Planners
Surveyors
Landscape Architects

This letter report provides an analysis of the three lowest bids received for the Davie Road Extension Water Main Replacement project and a recommendation for award of contract. The three low bidders for the project in order of lowest bid are:

GPE Engineering and General Construction (GPE Engineering)
JVA Engineering Construction Inc. (JVA Engineering)
Stanford Construction

	Engineer's Estimate	GPE Engineering	JVA Engineering	Stanford Construction
Proposal Amt.	\$1,331,460.00	\$1,364,129.67	\$1,375,600.00	\$1,432,327.61
% Difference		+2%	+3%	+8%

Minor arithmetical errors were discovered in the GPE Engineering and Stanford Construction submittals. The corrected bid totals did not affect the standing of the three lowest bidders.

GPE Engineering's bid was 2% higher than the Engineer's estimate. JVA Engineering's bid was 3% higher than the Engineer's estimate, and Stanford Construction's bid was 8% higher than the Engineer's estimate

GPE Engineering's unit prices for Mobilization/Demobilization and for Maintenance of Traffic were more than 40% less than the average bidders' prices.

References were contacted for all three contractors. Those referees that responded have provided good recommendations for the three low bidders. Sufficient evidence of ability to perform work similar in nature to this project - for public agencies in Broward County, have been provided by the three lowest bidders. GPE Engineering and JVA Engineering have worked with the City of Hollywood in the past.

We are satisfied that the low bidder, GPE Engineering & General Construction, has submitted a responsive and responsible bid, and we recommend that the contract for

the Water Main Replacement Program – Davie Road Extension be awarded to GPE Engineering and General Construction.

Please let me know if additional information is required and if there are any questions.

Sincerely

CRAVEN THOMPSON & ASSOCIATES, INC.

A handwritten signature in blue ink, appearing to read "Gary Tenn". The signature is written in a cursive style with a horizontal line above the first few letters.

GARY A. TENN, P.E.

Senior Supervising Engineer

GAT/fd

cc: Vernal Sibble, P.E. – City of Hollywood

Denotes corrected price

Pay Item	Pay Item Description	Quantity	Unit	Engineer's Unit Prices	Engineer's Opinion of Cost	Average Unit Price	GPE Engineering and General Construction			JVA Engineering Construction, Inc.			Stanford Construction		
							Unit Price	Contractor Total Item Price	CORRECTED Total Item Price	Unit Price	Contractor Total Item Price	Total Item Price	Unit Price	Contractor Total Item Price	CORRECTED Total Item Price
WATER MAIN REPLACEMENT PAY ITEMS															
1	Mobilization (60%) / Demobilization (40%)	1	LS	\$48,000.00	\$48,000.00	\$79,247.01	\$51,559.57	\$51,559.57	\$51,559.57	\$50,000.00	\$50,000.00	\$50,000.00	\$61,960.00	\$61,960.00	\$61,960.00
2	Furnish and Install 12" DIP Pipe	6,600	LF	\$80.00	\$528,000.00	\$94.71	\$85.54	\$564,564.00	\$564,564.00	\$88.00	\$580,800.00	\$580,800.00	\$90.08	\$594,509.35	\$594,528.00
3	Furnish and Install 8" DIP Pipe	250	LF	\$60.00	\$15,000.00	\$86.28	\$123.48	\$30,870.00	\$30,870.00	\$80.00	\$20,000.00	\$20,000.00	\$100.16	\$25,039.66	\$25,040.00
4	Furnish and Install 6" DIP Pipe	120	LF	\$50.00	\$6,000.00	\$102.79	\$201.44	\$24,172.80	\$24,172.80	\$74.00	\$8,880.00	\$8,880.00	\$198.89	\$23,866.52	\$23,866.80
5	Furnish and Install 4" DIP Pipe	40	LF	\$40.00	\$1,600.00	\$96.79	\$122.33	\$4,893.20	\$4,893.20	\$124.00	\$4,960.00	\$4,960.00	\$137.19	\$5,487.42	\$5,487.60
6	Furnish and Install 2" Water Service (Within R/W)	6	EA	\$1,200.00	\$7,200.00	\$2,529.33	\$2,283.56	\$13,701.36	\$13,701.36	\$2,060.00	\$12,360.00	\$12,360.00	\$3,117.68	\$18,706.08	\$18,706.08
7	Furnish and Install (4" -8") Fire Line Connection (DIP)	1	EA	\$1,500.00	\$1,500.00	\$4,574.87	\$2,053.80	\$2,053.80	\$2,053.80	\$1,245.00	\$1,245.00	\$1,245.00	\$4,497.95	\$4,497.95	\$4,497.95
8	Furnish and Install (6" and greater) Cut in Connections to Existing Water Main	10	EA	\$2,500.00	\$25,000.00	\$2,366.14	\$1,242.88	\$12,428.80	\$12,428.80	\$2,300.00	\$23,000.00	\$23,000.00	\$1,687.94	\$16,879.38	\$16,879.40
9	Furnish and Install Fire Hydrant Assembly (Within R/W)	11	EA	\$3,500.00	\$38,500.00	\$8,384.17	\$6,482.59	\$71,308.49	\$71,308.49	\$4,830.00	\$53,130.00	\$53,130.00	\$8,040.66	\$88,447.26	\$88,447.26
10	Remove and Deliver Existing Fire Hydrant to City	6	EA	\$800.00	\$4,800.00	\$806.99	\$492.85	\$2,957.10	\$2,957.10	\$640.00	\$3,840.00	\$3,840.00	\$216.00	\$1,296.00	\$1,296.00
11	Furnish and Install 12" x12" Tee	1	EA	\$1,650.00	\$1,650.00	\$1,360.13	\$1,384.98	\$1,384.98	\$1,384.98	\$1,285.00	\$1,285.00	\$1,285.00	\$1,497.71	\$1,497.71	\$1,497.71
12	Furnish and Install 12" x 8" Tee	6	EA	\$1,400.00	\$8,400.00	\$1,156.13	\$1,215.34	\$7,292.04	\$7,292.04	\$1,085.00	\$6,510.00	\$6,510.00	\$1,053.33	\$6,320.01	\$6,319.98
13	Furnish and Install 12" x 6" Tee	2	EA	\$1,350.00	\$2,700.00	\$1,078.43	\$1,000.97	\$2,001.94	\$2,001.94	\$1,020.00	\$2,040.00	\$2,040.00	\$994.59	\$1,989.18	\$1,989.18
14	Furnish and Install 12" x 4" Tee	1	EA	\$1,300.00	\$1,300.00	\$1,039.64	\$939.08	\$939.08	\$939.08	\$990.00	\$990.00	\$990.00	\$966.75	\$966.75	\$966.75
15	Furnish and Install 12" x 12" Tapping Sleeve and 12" Valve	1	EA	\$7,500.00	\$7,500.00	\$10,555.55	\$8,686.97	\$8,686.97	\$8,686.97	\$6,890.00	\$6,890.00	\$6,890.00	\$10,969.24	\$10,969.24	\$10,969.24
16	Furnish and Install 8" x 8" Tapping Sleeve and 8" Valve	1	EA	\$5,500.00	\$5,500.00	\$7,811.20	\$5,590.11	\$5,590.11	\$5,590.11	\$4,270.00	\$4,270.00	\$4,270.00	\$6,315.48	\$6,315.48	\$6,315.48
17	Furnish and Install 6" x 6" Tapping Sleeve and 6" Valve	1	EA	\$5,000.00	\$5,000.00	\$6,932.87	\$4,806.38	\$4,806.38	\$4,806.38	\$3,960.00	\$3,960.00	\$3,960.00	\$5,947.92	\$5,947.92	\$5,947.92
18	Furnish and Install 12" x 6" Reducer	1	EA	\$700.00	\$700.00	\$728.57	\$605.75	\$605.75	\$605.75	\$580.00	\$580.00	\$580.00	\$701.61	\$701.61	\$701.61
19	Furnish and Install 8" x 6" Reducer	3	EA	\$400.00	\$1,200.00	\$625.40	\$470.22	\$1,410.66	\$1,410.66	\$400.00	\$1,200.00	\$1,200.00	\$594.50	\$1,783.51	\$1,783.50
20	Furnish and Install 12" Gate Valve	9	EA	\$2,000.00	\$18,000.00	\$4,844.19	\$2,916.12	\$26,245.08	\$26,245.08	\$2,850.00	\$25,650.00	\$25,650.00	\$2,463.36	\$22,170.25	\$22,170.24
21	Furnish and Install 8" Gate Valve	6	EA	\$1,500.00	\$9,000.00	\$3,644.55	\$1,815.21	\$10,891.26	\$10,891.26	\$1,750.00	\$10,500.00	\$10,500.00	\$1,588.96	\$9,533.78	\$9,533.76
22	Furnish and Install 6" Gate Valve	3	EA	\$1,200.00	\$3,600.00	\$3,182.95	\$1,422.57	\$4,267.71	\$4,267.71	\$1,370.00	\$4,110.00	\$4,110.00	\$1,259.83	\$3,779.49	\$3,779.49
23	Furnish and Install 4" Gate Valve	1	EA	\$1,000.00	\$1,000.00	\$2,753.76	\$1,129.47	\$1,129.47	\$1,129.47	\$1,290.00	\$1,290.00	\$1,290.00	\$1,129.43	\$1,129.43	\$1,129.43
24	Furnish and Install 8" Cap and Blow Off	1	EA	\$1,800.00	\$1,800.00	\$1,825.88	\$1,547.61	\$1,547.61	\$1,547.61	\$1,300.00	\$1,300.00	\$1,300.00	\$1,745.87	\$1,745.87	\$1,745.87
25	Remove and Dispose of 8" Water Main	6,600	LF	\$12.00	\$79,200.00	\$10.81	\$8.32	\$54,912.00	\$54,912.00	\$10.00	\$66,000.00	\$66,000.00	\$8.71	\$57,476.17	\$57,486.00
SUBTOTAL WATER MAIN REPLACEMENT PAY ITEMS					\$822,150.00			\$910,219.86	\$910,220.16		\$894,790.00	\$894,790.00		\$973,016.02	\$973,045.25
GENERAL PAY ITEMS															
26	Furnish and Place Asphalt Pavement (2" SP-12.5 Asphalt in single lift, Flush with Existing Pavement) and Temporary Pavement Markings After Trench Restoration (Per Linear Foot of Pipe) (Excluding water service trenches)	6,600	LF	\$18.00	\$118,800.00	\$18.71	\$12.17	\$80,322.00	\$80,322.00	\$8.00	\$52,800.00	\$52,800.00	\$12.61	\$83,205.23	\$83,226.00
27	Furnish and Install Concrete Sidewalk	1,500	SY	\$45.00	\$67,500.00	\$42.14	\$46.40	\$69,600.00	\$69,600.00	\$38.00	\$57,000.00	\$57,000.00	\$54.50	\$81,743.10	\$81,750.00
28	Furnish and Install Pavement Marking and Signage	1	LS	\$12,000.00	\$12,000.00	\$15,995.45	\$12,506.49	\$12,506.49	\$12,506.49	\$16,000.00	\$16,000.00	\$16,000.00	\$9,306.36	\$9,306.36	\$9,306.36
29	Maintenance of Traffic (MOT)	1	LS	\$31,000.00	\$31,000.00	\$58,351.47	\$11,471.02	\$11,471.02	\$11,471.02	\$75,000.00	\$75,000.00	\$75,000.00	\$4,990.00	\$4,990.00	\$4,990.00
30	Owner's Contingency (Water Main)	1	LS	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
31	Consideration for Indemnification	1	LS	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
32	Permit, Licenses, Fee and Material Testing Allowance	1	AL	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00
33	Furnish and Install Line Stop	1	AL	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
SUBTOTAL GENERAL PAY ITEMS					\$509,310.00				\$453,909.51		\$480,810.00	\$480,810.00		\$459,254.69	\$459,282.36
BASE BID TOTAL FOR COMPLETE PROJECT					\$1,331,460.00			\$1,364,129.37	\$1,364,129.67		\$1,375,600.00	\$1,375,600.00		1,432,270.71	\$1,432,327.61

Davie Road Extension Water Main Replacement
City of Hollywood Bid No. 15-5129
April 11, 2016
CTA Project No. 15-0094-001-01

Denotes corrected price

Pay Item	Pay Item Description	Quantity	Unit	Engineer's Unit Prices	Engineer's Opinion of Cost	Average Unit Price	Roadway Construction, LLC			Luna Development Corporation			Foster Marine Contractors, Inc.	
							Unit Price	Contractor Total Item Price	CORRECTED Total Item Price	Unit Price	Contractor Total Item Price	CORRECTED Total Item Price	Unit Price	Total Item Price
WATER MAIN REPLACEMENT PAY ITEMS														
1	Mobilization (60%) / Demobilization (40%)	1	LS	\$48,000.00	\$48,000.00	\$79,247.01	\$69,761.50	\$69,761.50	\$69,761.50	\$60,000.00	\$60,000.00	\$60,000.00	\$64,000.00	\$64,000.00
2	Furnish and Install 12" DIP Pipe	6,600	LF	\$80.00	\$528,000.00	\$94.71	\$86.92	\$573,672.00	\$573,672.00	\$84.50	\$557,700.00	\$557,700.00	\$81.00	\$534,600.00
3	Furnish and Install 8" DIP Pipe	250	LF	\$60.00	\$15,000.00	\$86.28	\$77.43	\$19,357.50	\$19,357.50	\$84.00	\$21,000.00	\$21,000.00	\$76.00	\$19,000.00
4	Furnish and Install 6" DIP Pipe	120	LF	\$50.00	\$6,000.00	\$102.79	\$58.00	\$6,960.00	\$6,960.00	\$84.00	\$10,080.00	\$10,080.00	\$70.00	\$8,400.00
5	Furnish and Install 4" DIP Pipe	40	LF	\$40.00	\$1,600.00	\$96.79	\$66.00	\$2,640.00	\$2,640.00	\$83.00	\$3,320.00	\$3,320.00	\$80.00	\$3,200.00
6	Furnish and Install 2" Water Service (Within R/W)	6	EA	\$1,200.00	\$7,200.00	\$2,529.33	\$3,216.00	\$19,296.00	\$19,296.00	\$1,850.00	\$11,000.00	\$11,100.00	\$3,200.00	\$19,200.00
7	Furnish and Install (4" -8") Fire Line Connection (DIP)	1	EA	\$1,500.00	\$1,500.00	\$4,574.87	\$6,359.00	\$6,359.00	\$6,359.00	\$5,800.00	\$5,800.00	\$5,800.00	\$4,200.00	\$4,200.00
8	Furnish and Install (6" and greater) Cut in Connections to Existing Water Main	10	EA	\$2,500.00	\$25,000.00	\$2,366.14	\$4,515.00	\$45,150.00	\$45,150.00	\$1,025.00	\$10,250.00	\$10,250.00	\$2,400.00	\$24,000.00
9	Furnish and Install Fire Hydrant Assembly (Within R/W)	11	EA	\$3,500.00	\$38,500.00	\$8,384.17	\$6,011.00	\$66,121.00	\$66,121.00	\$6,950.00	\$76,450.00	\$76,450.00	\$6,000.00	\$66,000.00
10	Remove and Deliver Existing Fire Hydrant to City	6	EA	\$800.00	\$4,800.00	\$806.99	\$1,278.00	\$7,668.00	\$7,668.00	\$350.00	\$2,100.00	\$2,100.00	\$750.00	\$4,500.00
11	Furnish and Install 12" x12" Tee	1	EA	\$1,650.00	\$1,650.00	\$1,360.13	\$1,591.00	\$3,182.00	\$1,591.00	\$1,300.00	\$2,600.00	\$1,300.00	\$1,700.00	\$1,700.00
12	Furnish and Install 12"x 8" Tee	6	EA	\$1,400.00	\$8,400.00	\$1,156.13	\$1,375.00	\$9,625.00	\$8,250.00	\$1,150.00	\$6,900.00	\$6,900.00	\$1,500.00	\$9,000.00
13	Furnish and Install 12" x 6" Tee	2	EA	\$1,350.00	\$2,700.00	\$1,078.43	\$1,320.00	\$2,640.00	\$2,640.00	\$1,125.00	\$2,250.00	\$2,250.00	\$1,400.00	\$2,800.00
14	Furnish and Install 12" x 4" Tee	1	EA	\$1,300.00	\$1,300.00	\$1,039.64	\$1,277.00	\$1,277.00	\$1,277.00	\$1,050.00	\$1,050.00	\$1,050.00	\$1,365.00	\$1,365.00
15	Furnish and Install 12" x 12" Tapping Sleeve and 12" Valve	1	EA	\$7,500.00	\$7,500.00	\$10,555.55	\$8,999.00	\$8,999.00	\$8,999.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,400.00	\$7,400.00
16	Furnish and Install 8" x 8" Tapping Sleeve and 8" Valve	1	EA	\$5,500.00	\$5,500.00	\$7,811.20	\$6,118.00	\$6,118.00	\$6,118.00	\$5,500.00	\$5,500.00	\$5,500.00	\$4,600.00	\$4,600.00
17	Furnish and Install 6" x 6" Tapping Sleeve and 6" Valve	1	EA	\$5,000.00	\$5,000.00	\$6,932.87	\$5,365.00	\$5,365.00	\$5,365.00	\$4,900.00	\$4,900.00	\$4,900.00	\$3,900.00	\$3,900.00
18	Furnish and Install 12" x 6" Reducer	1	EA	\$700.00	\$700.00	\$728.57	\$1,100.00	\$1,100.00	\$1,100.00	\$325.00	\$325.00	\$325.00	\$1,000.00	\$1,000.00
19	Furnish and Install 8" x 6" Reducer	3	EA	\$400.00	\$1,200.00	\$625.40	\$821.00	\$2,463.00	\$2,463.00	\$350.00	\$1,050.00	\$1,050.00	\$900.00	\$2,700.00
20	Furnish and Install 12" Gate Valve	9	EA	\$2,000.00	\$18,000.00	\$4,844.19	\$3,482.00	\$34,820.00	\$31,338.00	\$2,700.00	\$24,300.00	\$24,300.00	\$3,100.00	\$27,900.00
21	Furnish and Install 8" Gate Valve	6	EA	\$1,500.00	\$9,000.00	\$3,644.55	\$1,424.00	\$11,392.00	\$8,544.00	\$1,725.00	\$10,350.00	\$10,350.00	\$2,300.00	\$13,800.00
22	Furnish and Install 6" Gate Valve	3	EA	\$1,200.00	\$3,600.00	\$3,182.95	\$1,741.00	\$5,223.00	\$5,223.00	\$1,350.00	\$4,050.00	\$4,050.00	\$2,300.00	\$6,900.00
23	Furnish and Install 4" Gate Valve	1	EA	\$1,000.00	\$1,000.00	\$2,753.76	\$1,609.00	\$1,609.00	\$1,609.00	\$1,200.00	\$1,200.00	\$1,200.00	\$1,450.00	\$1,450.00
24	Furnish and Install 8" Cap and Blow Off	1	EA	\$1,800.00	\$1,800.00	\$1,825.88	\$1,928.00	\$1,928.00	\$1,928.00	\$1,100.00	\$1,100.00	\$1,100.00	\$1,700.00	\$1,700.00
25	Remove and Dispose of 8" Water Main	6,600	LF	\$12.00	\$79,200.00	\$10.81	\$10.41	\$68,706.00	\$68,706.00	\$10.00	\$66,000.00	\$66,000.00	\$12.00	\$79,200.00
SUBTOTAL WATER MAIN REPLACEMENT PAY ITEMS						\$822,150.00		\$981,432.00	\$972,136.00		\$896,875.00	\$895,575.00		\$912,515.00
GENERAL PAY ITEMS														
26	Furnish and Place Asphalt Pavement (2" SP-12.5 Asphalt in single lift, Flush with Existing Pavement) and Temporary Pavement Markings After Trench Restoration (Per Linear Foot of Pipe) (Excluding water service trenches)	6,600	LF	\$18.00	\$118,800.00	\$18.71	\$17.30	\$114,180.00	\$114,180.00	\$38.00	\$250,800.00	\$250,800.00	\$38.50	\$254,100.00
27	Furnish and Install Concrete Sidewalk	1,500	SY	\$45.00	\$67,500.00	\$42.14	\$55.60	\$83,400.00	\$83,400.00	\$65.00	\$97,500.00	\$97,500.00	\$59.00	\$88,500.00
28	Furnish and Install Pavement Marking and Signage	1	LS	\$12,000.00	\$12,000.00	\$15,995.45	\$27,188.00	\$27,188.00	\$27,188.00	\$11,500.00	\$11,500.00	\$11,500.00	\$10,000.00	\$10,000.00
29	Maintenance of Traffic (MOT)	1	LS	\$31,000.00	\$31,000.00	\$58,351.47	\$32,340.00	\$32,340.00	\$32,340.00	\$23,000.00	\$23,000.00	\$23,000.00	\$22,000.00	\$22,000.00
30	Owner's Contingency (Water Main)	1	LS	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
31	Consideration for Indemnification	1	LS	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
32	Permit, Licenses, Fee and Material Testing Allowance	1	AL	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00
33	Furnish and Install Line Stop	1	AL	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
SUBTOTAL GENERAL PAY ITEMS						\$509,310.00		\$537,118.00	\$537,118.00		\$662,810.00	\$662,810.00		\$654,610.00
BASE BID TOTAL FOR COMPLETE PROJECT						\$1,331,460.00		\$1,518,550.00	\$1,509,254.00		\$1,559,685.00	\$1,558,385.00		\$1,567,125.00

Davie Road Extension Water Main Replacement
 City of Hollywood Bid No. 15-5129
 April 11, 2016
 CTA Project No. 15-0094-001-01

Denotes corrected price

Pay Item	Pay Item Description	Quantity	Unit	Engineer's Unit Prices	Engineer's Opinion of Cost	Average Unit Price	V Engineering and Consulting Corp.		Man-Con Inc.		Metro Express, Inc.		Ric-Man International, Inc.	
							Unit Price	Total Item Price	Unit Price	Total Item Price	Unit Price	Total Item Price	Unit Price	Total Item Price
WATER MAIN REPLACEMENT PAY ITEMS														
1	Mobilization (60%) / Demobilization (40%)	1	LS	\$48,000.00	\$48,000.00	\$79,247.01	\$100,000.00	\$100,000.00	\$59,000.00	\$59,000.00	\$40,000.00	\$40,000.00	\$233,000.00	\$233,000.00
2	Furnish and Install 12" DIP Pipe	6,600	LF	\$80.00	\$528,000.00	\$94.71	\$55.00	\$363,000.00	\$100.00	\$660,000.00	\$115.00	\$759,000.00	\$94.00	\$620,400.00
3	Furnish and Install 8" DIP Pipe	250	LF	\$60.00	\$15,000.00	\$86.28	\$55.00	\$13,750.00	\$99.00	\$24,750.00	\$75.00	\$18,750.00	\$56.00	\$14,000.00
4	Furnish and Install 6" DIP Pipe	120	LF	\$50.00	\$6,000.00	\$102.79	\$55.00	\$6,600.00	\$98.00	\$11,760.00	\$75.00	\$9,000.00	\$26.00	\$3,120.00
5	Furnish and Install 4" DIP Pipe	40	LF	\$40.00	\$1,600.00	\$96.79	\$50.00	\$2,000.00	\$99.00	\$3,960.00	\$100.00	\$4,000.00	\$56.00	\$2,240.00
6	Furnish and Install 2" Water Service (Within R/W)	6	EA	\$1,200.00	\$7,200.00	\$2,529.33	\$40.00	\$240.00	\$2,600.00	\$15,600.00	\$3,500.00	\$21,000.00	\$2,600.00	\$15,600.00
7	Furnish and Install (4" -8") Fire Line Connection (DIP)	1	EA	\$1,500.00	\$1,500.00	\$4,574.87	\$15,000.00	\$15,000.00	\$3,330.00	\$3,330.00	\$1,200.00	\$1,200.00	\$3,600.00	\$3,600.00
8	Furnish and Install (6" and greater) Cut in Connections to Existing Water Main	10	EA	\$2,500.00	\$25,000.00	\$2,366.14	\$1,500.00	\$15,000.00	\$3,500.00	\$35,000.00	\$1,200.00	\$12,000.00	\$4,100.00	\$41,000.00
9	Furnish and Install Fire Hydrant Assembly (Within R/W)	11	EA	\$3,500.00	\$38,500.00	\$8,384.17	\$15,000.00	\$165,000.00	\$10,000.00	\$110,000.00	\$11,500.00	\$126,500.00	\$6,000.00	\$66,000.00
10	Remove and Deliver Existing Fire Hydrant to City	6	EA	\$800.00	\$4,800.00	\$806.99	\$2,000.00	\$12,000.00	\$800.00	\$4,800.00	\$1,000.00	\$6,000.00	\$810.00	\$4,860.00
11	Furnish and Install 12" x12" Tee	1	EA	\$1,650.00	\$1,650.00	\$1,360.13	\$1,500.00	\$1,500.00	\$1,272.00	\$1,272.00	\$500.00	\$500.00	\$1,300.00	\$1,300.00
12	Furnish and Install 12"x 8" Tee	6	EA	\$1,400.00	\$8,400.00	\$1,156.13	\$1,500.00	\$9,000.00	\$1,060.00	\$6,360.00	\$500.00	\$3,000.00	\$1,000.00	\$6,000.00
13	Furnish and Install 12" x 6" Tee	2	EA	\$1,350.00	\$2,700.00	\$1,078.43	\$1,500.00	\$3,000.00	\$999.00	\$1,998.00	\$500.00	\$1,000.00	\$940.00	\$1,880.00
14	Furnish and Install 12" x 4" Tee	1	EA	\$1,300.00	\$1,300.00	\$1,039.64	\$1,500.00	\$1,500.00	\$962.00	\$962.00	\$500.00	\$500.00	\$900.00	\$900.00
15	Furnish and Install 12" x 12" Tapping Sleeve and 12" Valve	1	EA	\$7,500.00	\$7,500.00	\$10,555.55	\$15,000.00	\$15,000.00	\$16,000.00	\$16,000.00	\$3,500.00	\$3,500.00	\$8,900.00	\$8,900.00
16	Furnish and Install 8" x 8" Tapping Sleeve and 8" Valve	1	EA	\$5,500.00	\$5,500.00	\$7,811.20	\$12,000.00	\$12,000.00	\$15,000.00	\$15,000.00	\$3,500.00	\$3,500.00	\$6,000.00	\$6,000.00
17	Furnish and Install 6" x 6" Tapping Sleeve and 6" Valve	1	EA	\$5,000.00	\$5,000.00	\$6,932.87	\$12,000.00	\$12,000.00	\$14,000.00	\$14,000.00	\$2,000.00	\$2,000.00	\$5,300.00	\$5,300.00
18	Furnish and Install 12" x 6" Reducer	1	EA	\$700.00	\$700.00	\$728.57	\$1,400.00	\$1,400.00	\$548.00	\$548.00	\$500.00	\$500.00	\$600.00	\$600.00
19	Furnish and Install 8" x 6" Reducer	3	EA	\$400.00	\$1,200.00	\$625.40	\$1,350.00	\$4,050.00	\$376.00	\$1,128.00	\$500.00	\$1,500.00	\$930.00	\$2,790.00
20	Furnish and Install 12" Gate Valve	9	EA	\$2,000.00	\$18,000.00	\$4,844.19	\$12,000.00	\$108,000.00	\$2,428.00	\$21,852.00	\$1,500.00	\$13,500.00	\$3,000.00	\$27,000.00
21	Furnish and Install 8" Gate Valve	6	EA	\$1,500.00	\$9,000.00	\$3,644.55	\$10,000.00	\$60,000.00	\$1,500.00	\$9,000.00	\$1,400.00	\$8,400.00	\$1,800.00	\$10,800.00
22	Furnish and Install 6" Gate Valve	3	EA	\$1,200.00	\$3,600.00	\$3,182.95	\$10,000.00	\$30,000.00	\$1,110.00	\$3,330.00	\$1,300.00	\$3,900.00	\$1,300.00	\$3,900.00
23	Furnish and Install 4" Gate Valve	1	EA	\$1,000.00	\$1,000.00	\$2,753.76	\$10,000.00	\$10,000.00	\$1,037.00	\$1,037.00	\$1,200.00	\$1,200.00	\$1,200.00	\$1,200.00
24	Furnish and Install 8" Cap and Blow Off	1	EA	\$1,800.00	\$1,800.00	\$1,825.88	\$3,500.00	\$3,500.00	\$1,697.00	\$1,697.00	\$1,000.00	\$1,000.00	\$2,400.00	\$2,400.00
25	Remove and Dispose of 8" Water Main	6,600	LF	\$12.00	\$79,200.00	\$10.81	\$10.00	\$66,000.00	\$9.85	\$65,010.00	\$25.00	\$165,000.00	\$11.00	\$72,600.00
SUBTOTAL WATER MAIN REPLACEMENT PAY ITEMS					\$822,150.00			\$1,029,540.00		\$1,087,394.00		\$1,206,450.00		\$1,155,390.00
GENERAL PAY ITEMS														
26	Furnish and Place Asphalt Pavement (2" SP-12.5 Asphalt in single lift, Flush with Existing Pavement) and Temporary Pavement Markings After Trench Restoration (Per Linear Foot of Pipe) (Excluding water service trenches)	6,600	LF	\$18.00	\$118,800.00	\$18.71	\$10.00	\$66,000.00	\$15.00	\$99,000.00	\$22.00	\$145,200.00	\$18.00	\$118,800.00
27	Furnish and Install Concrete Sidewalk	1,500	SY	\$45.00	\$67,500.00	\$42.14	\$10.00	\$15,000.00	\$25.00	\$37,500.00	\$14.00	\$21,000.00	\$65.00	\$97,500.00
28	Furnish and Install Pavement Marking and Signage	1	LS	\$12,000.00	\$12,000.00	\$15,995.45	\$25,000.00	\$25,000.00	\$8,000.00	\$8,000.00	\$15,000.00	\$15,000.00	\$19,000.00	\$19,000.00
29	Maintenance of Traffic (MOT)	1	LS	\$31,000.00	\$31,000.00	\$58,351.47	\$184,450.00	\$184,450.00	\$160,000.00	\$160,000.00	\$10,000.00	\$10,000.00	\$8,600.00	\$8,600.00
30	Owner's Contingency (Water Main)	1	LS	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
31	Consideration for Indemnification	1	LS	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
32	Permit, Licenses, Fee and Material Testing Allowance	1	AL	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00
33	Furnish and Install Line Stop	1	AL	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
SUBTOTAL GENERAL PAY ITEMS					\$509,310.00			\$570,460.00		\$584,510.00		\$471,210.00		\$523,910.00
BASE BID TOTAL FOR COMPLETE PROJECT					\$1,331,460.00			\$1,600,000.00		\$1,671,904.00		\$1,677,660.00		\$1,679,300.00

Davie Road Extension Water Main Replacement
City of Hollywood Bid No. 15-5129
April 11, 2016
CTA Project No. 15-0094-001-01

Denotes corrected price

Pay Item	Pay Item Description	Quantity	Unit	Engineer's Unit Prices	Engineer's Opinion of Cost	Average Unit Price	Southeastern Engineering Contractors, Inc.		R.P. Utility and Excavation Corp.		Lanzo Construction Co. Florida			
							Unit Price	Total Item Price	Unit Price	Total Item Price	Unit Price	Contractor Unit Price	Contractor Total Item Price	CORRECTED Total Item Price
WATER MAIN REPLACEMENT PAY ITEMS														
1	Mobilization (60%) / Demobilization (40%)	1	LS	\$48,000.00	\$48,000.00	\$79,247.01	\$65,930.00	\$65,930.00	\$75,000.00	\$75,000.00	\$100,000.00		\$100,000.00	\$100,000.00
2	Furnish and Install 12" DIP Pipe	6,600	LF	\$80.00	\$528,000.00	\$94.71	\$122.00	\$805,200.00	\$69.15	\$456,390.00	\$160.00	\$160,000.00	\$1,056,000.00	\$1,056,000.00
3	Furnish and Install 8" DIP Pipe	250	LF	\$60.00	\$15,000.00	\$86.28	\$133.00	\$33,250.00	\$69.54	\$17,385.00	\$93.00		\$23,250.00	\$23,250.00
4	Furnish and Install 6" DIP Pipe	120	LF	\$50.00	\$6,000.00	\$102.79	\$101.00	\$12,120.00	\$125.00	\$15,000.00	\$170.00		\$20,400.00	\$20,400.00
5	Furnish and Install 4" DIP Pipe	40	LF	\$40.00	\$1,600.00	\$96.79	\$145.00	\$5,800.00	\$85.81	\$3,432.40	\$110.00		\$4,440.00	\$4,400.00
6	Furnish and Install 2" Water Service (Within R/W)	6	EA	\$1,200.00	\$7,200.00	\$2,529.33	\$3,233.00	\$19,398.00	\$3,081.00	\$18,486.00	\$2,100.00		\$12,600.00	\$12,600.00
7	Furnish and Install (4" -8") Fire Line Connection (DIP)	1	EA	\$1,500.00	\$1,500.00	\$4,574.87	\$4,968.00	\$4,968.00	\$3,219.50	\$3,219.50	\$4,000.00		\$4,000.00	\$4,000.00
8	Furnish and Install (6" and greater) Cut in Connections to Existing Water Main	10	EA	\$2,500.00	\$25,000.00	\$2,366.14	\$1,827.00	\$18,270.00	\$2,462.00	\$24,620.00	\$3,000.00		\$30,000.00	\$30,000.00
9	Furnish and Install Fire Hydrant Assembly (Within R/W)	11	EA	\$3,500.00	\$38,500.00	\$8,384.17	\$6,180.00	\$67,980.00	\$15,000.00	\$165,000.00	\$7,000.00		\$77,000.00	\$77,000.00
10	Remove and Deliver Existing Fire Hydrant to City	6	EA	\$800.00	\$4,800.00	\$806.99	\$354.00	\$2,124.00	\$100.00	\$600.00	\$1,700.00		\$10,200.00	\$10,200.00
11	Furnish and Install 12" x12" Tee	1	EA	\$1,650.00	\$1,650.00	\$1,360.13	\$1,301.00	\$1,301.00	\$1,050.00	\$1,050.00	\$2,000.00		\$2,000.00	\$2,000.00
12	Furnish and Install 12"x 8" Tee	6	EA	\$1,400.00	\$8,400.00	\$1,156.13	\$1,048.00	\$6,288.00	\$843.00	\$5,058.00	\$1,700.00		\$10,200.00	\$10,200.00
13	Furnish and Install 12" x 6" Tee	2	EA	\$1,350.00	\$2,700.00	\$1,078.43	\$994.00	\$1,988.00	\$526.00	\$1,052.00	\$1,700.00		\$3,400.00	\$3,400.00
14	Furnish and Install 12" x 4" Tee	1	EA	\$1,300.00	\$1,300.00	\$1,039.64	\$871.00	\$871.00	\$694.50	\$694.50	\$1,500.00		\$1,500.00	\$1,500.00
15	Furnish and Install 12" x 12" Tapping Sleeve and 12" Valve	1	EA	\$7,500.00	\$7,500.00	\$10,555.55	\$6,377.00	\$6,377.00	\$25,000.00	\$25,000.00	\$12,000.00		\$12,000.00	\$12,000.00
16	Furnish and Install 8" x 8" Tapping Sleeve and 8" Valve	1	EA	\$5,500.00	\$5,500.00	\$7,811.20	\$4,652.00	\$4,652.00	\$20,000.00	\$20,000.00	\$8,000.00		\$8,000.00	\$8,000.00
17	Furnish and Install 6" x 6" Tapping Sleeve and 6" Valve	1	EA	\$5,000.00	\$5,000.00	\$6,932.87	\$2,948.00	\$2,948.00	\$18,000.00	\$18,000.00	\$7,000.00		\$7,000.00	\$7,000.00
18	Furnish and Install 12" x 6" Reducer	1	EA	\$700.00	\$700.00	\$728.57	\$576.00	\$576.00	\$435.00	\$435.00	\$1,100.00		\$1,100.00	\$1,100.00
19	Furnish and Install 8" x 6" Reducer	3	EA	\$400.00	\$1,200.00	\$625.40	\$365.00	\$1,095.00	\$273.50	\$820.50	\$800.00		\$2,400.00	\$2,400.00
20	Furnish and Install 12" Gate Valve	9	EA	\$2,000.00	\$18,000.00	\$4,844.19	\$2,785.00	\$25,065.00	\$20,000.00	\$180,000.00	\$3,750.00		\$33,750.00	\$33,750.00
21	Furnish and Install 8" Gate Valve	6	EA	\$1,500.00	\$9,000.00	\$3,644.55	\$1,776.00	\$10,656.00	\$18,000.00	\$108,000.00	\$2,300.00		\$13,800.00	\$13,800.00
22	Furnish and Install 6" Gate Valve	3	EA	\$1,200.00	\$3,600.00	\$3,182.95	\$1,525.00	\$4,575.00	\$15,000.00	\$45,000.00	\$1,700.00		\$5,100.00	\$5,100.00
23	Furnish and Install 4" Gate Valve	1	EA	\$1,000.00	\$1,000.00	\$2,753.76	\$1,204.00	\$1,204.00	\$12,000.00	\$12,000.00	\$1,350.00		\$1,350.00	\$1,350.00
24	Furnish and Install 8" Cap and Blow Off	1	EA	\$1,800.00	\$1,800.00	\$1,825.88	\$2,018.00	\$2,018.00	\$1,000.00	\$1,000.00	\$2,800.00		\$2,800.00	\$2,800.00
25	Remove and Dispose of 8" Water Main	6,600	LF	\$12.00	\$79,200.00	\$10.81	\$15.20	\$100,320.00	\$1.00	\$6,600.00	\$9.00		\$59,400.00	\$59,400.00
SUBTOTAL WATER MAIN REPLACEMENT PAY ITEMS					\$822,150.00			\$1,204,974.00		\$1,203,842.90			\$1,435,650.00	\$1,501,650.00
GENERAL PAY ITEMS														
26	Furnish and Place Asphalt Pavement (2" SP-12.5 Asphalt in single lift, Flush with Existing Pavement) and Temporary Pavement Markings After Trench Restoration (Per Linear Foot of Pipe) (Excluding water service trenches)	6,600	LF	\$18.00	\$118,800.00	\$18.71	\$15.10	\$99,660.00	\$15.61	\$103,026.00	\$21.00		\$138,600.00	\$138,600.00
27	Furnish and Install Concrete Sidewalk	1,500	SY	\$45.00	\$67,500.00	\$42.14	\$50.42	\$75,630.00	\$22.17	\$33,255.00	\$42.70		\$64,050.00	\$64,050.00
28	Furnish and Install Pavement Marking and Signage	1	LS	\$12,000.00	\$12,000.00	\$15,995.45	\$9,440.00	\$9,440.00	\$15,000.00	\$15,000.00	\$30,000.00		\$30,000.00	\$30,000.00
29	Maintenance of Traffic (MOT)	1	LS	\$31,000.00	\$31,000.00	\$58,351.47	\$32,852.00	\$32,852.00	\$158,866.10	\$158,866.10	\$35,000.00		\$35,000.00	\$35,000.00
30	Owner's Contingency (Water Main)	1	LS	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00		\$150,000.00	\$150,000.00
31	Consideration for Indemnification	1	LS	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00		\$10.00	\$10.00
32	Permit, Licenses, Fee and Material Testing Allowance	1	AL	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00		\$100,000.00	\$100,000.00
33	Furnish and Install Line Stop	1	AL	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00		\$30,000.00	\$30,000.00
SUBTOTAL GENERAL PAY ITEMS					\$509,310.00			\$497,592.00		\$590,157.10			\$547,660.00	\$409,060.00
BASE BID TOTAL FOR COMPLETE PROJECT					\$1,331,460.00			\$1,702,566.00		\$1,794,000.00			\$2,049,310.00	\$1,910,710.00