



November 20, 2017

Mr. Bobby Morrison  
Project Manager  
City of League City  
500 W. Walker St.  
League City, Texas 77573

Re: **Letter of Recommendation for St. Christopher Avenue Reconstruction Project**  
**CIP No. RE 1702D**  
City of League City  
ARKK Job No. 16-047

Dear Mr. Morrison:

On November 14, 2017, eight (8) bids were received for the above referenced project. This project involves the re-construction of St. Christopher Avenue (between FM 518 and FM in the City of League City. The project also includes approximately 3,580 L.F. of new 24" through 60" storm sewers, 2,770 L.F. of new 6" through 12" water lines, regrading of ditches along Abilene Street and all labor, equipment, materials, and incidentals required for the project. Following is a summary of our bid evaluation:

1. Bid Tabulation Sheet – Eight (8) construction firms participated in the bidding process. The bids were checked for mathematical errors and/or bid irregularities. The following table presents a summary of the bids received for the project:

<u>Bidder</u>	<u>Total Bid</u>
Mar-Con Services, LLC	\$2,117,098.00
Lucas Construction Company, Inc.	\$2,322,444.50
AAA Asphalt Paving, Inc.	\$2,327,350.27
Triple B Services, LLP.	\$2,455,315.75
Fused Industries, LLC.	\$2,582,965.00
SER Construction Partners, LLC.	\$2,589,453.00
ISI Contracting, Inc.	\$2,651,166.00
Courad Construction Co., LTD	\$2,997,395.00

A copy of the bid tabulation is attached to this letter.

Mar-Con Services, LLC. provided a List of Qualifications for this project. The references provided by the Contractor were contacted and information on their performance and capabilities to perform similar work was obtained. The references indicated Mar-Con Services, LLC. completed the work in a timely manner and were satisfied with their work. Mar-Con Services, LLC. has also worked on projects in the City of League City previously. City staff indicated that they were pleased with Mar-Con's work.

Mar-Con Services, LLC. appears to be a responsible firm that is capable of performing the specified work in a satisfactory manner. For these reasons, we recommend that the City of League City award the **St. Christopher Avenue Reconstruction Project CIP No. RE 1702D to Mar-Con Services, LLC. for a total amount of \$2,117,098.00.**

If you have any questions, please contact me.

Sincerely,

ARKK ENGINEERS, LLC



Mr. Madhu Kilambi, P.E.  
Senior Project Manager

Cc: Mr. John Lothrop – City of League City  
Mr. Christopher Sims, P.E. – City of League City

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY.	LOW BIDDER																					
				Mar-Con Services, LLC		Loria Construction Company, Inc.		AAA Asphalt Paving Inc.		Triple B Services, LLP		FURSED Industries, LLC		SER Construction Partners, LLC		SB Contracting, Inc.		Gorard Construction Co., LTD							
<b>PAVING AND DRAINAGE ITEMS - BASE BID</b>																									
1	Mobilization (Not to Exceed 3% of the Total Bid), Complete in Place, the Sum of:	LS	1	\$ 60,000.00	\$ 60,000.00	\$ 69,000.00	\$ 69,000.00	\$ 77,904.02	\$ 77,904.02	\$ 19,000.00	\$ 19,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 80,000.00	\$ 80,000.00	\$ 85,000.00	\$ 85,000.00	\$ 80,000.00	\$ 80,000.00	\$ 85,000.00	\$ 85,000.00		
2	Allowance for use by Contractor for General Construction Items as directed by the City or Engineer (Fixed Amount: \$50,000.00)	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00		
3	Project Sign, as per the Detail, Complete in Place, the Sum of:	EA	2	\$ 649.80	\$ 1,299.60	\$ 1,000.00	\$ 2,000.00	\$ 950.00	\$ 1,900.00	\$ 1,100.00	\$ 2,200.00	\$ 1,200.00	\$ 2,400.00	\$ 735.00	\$ 1,470.00	\$ 1,000.00	\$ 2,000.00	\$ 100.00	\$ 200.00	\$ 735.00	\$ 1,470.00	\$ 1,000.00	\$ 2,000.00		
4	Traffic Control and Regulation, Complete in Place, the Sum of:	LS	1	\$ 379,777.00	\$ 379,777.00	\$ 60,000.00	\$ 60,000.00	\$ 20,000.00	\$ 20,000.00	\$ 120,000.00	\$ 120,000.00	\$ 61,884.00	\$ 61,884.00	\$ 110,000.00	\$ 110,000.00	\$ 100,000.00	\$ 100,000.00	\$ 380,000.00	\$ 380,000.00	\$ 100,000.00	\$ 100,000.00	\$ 380,000.00	\$ 380,000.00		
5	Remove & Dispose Existing Concrete/Asphalt Pavement, Complete in Place, the Sum of:	SY	6,400	\$ 2.60	\$ 16,640.00	\$ 5.00	\$ 32,000.00	\$ 5.00	\$ 32,000.00	\$ 2.80	\$ 17,920.00	\$ 27.00	\$ 172,800.00	\$ 8.00	\$ 51,200.00	\$ 7.00	\$ 44,800.00	\$ 5.00	\$ 32,000.00	\$ 8.00	\$ 51,200.00	\$ 7.00	\$ 44,800.00	\$ 5.00	\$ 32,000.00
6	Line stabilized subgrade (8") Complete in Place, the Sum of:	SY	7,800	\$ 2.60	\$ 20,280.00	\$ 4.50	\$ 35,100.00	\$ 3.50	\$ 27,300.00	\$ 3.60	\$ 28,080.00	\$ 13.00	\$ 101,400.00	\$ 3.10	\$ 24,180.00	\$ 5.00	\$ 39,000.00	\$ 5.00	\$ 39,000.00	\$ 3.10	\$ 24,180.00	\$ 5.00	\$ 39,000.00	\$ 5.00	\$ 39,000.00
7	Line (Type A or B) for subgrade stabilization at 4lb Yield, Complete in Place, the Sum of:	TON	200	\$ 168.40	\$ 33,680.00	\$ 175.00	\$ 35,000.00	\$ 185.00	\$ 37,000.00	\$ 185.00	\$ 37,000.00	\$ 200.00	\$ 40,000.00	\$ 175.00	\$ 35,000.00	\$ 175.00	\$ 35,000.00	\$ 175.00	\$ 35,000.00	\$ 175.00	\$ 35,000.00	\$ 175.00	\$ 35,000.00	\$ 175.00	\$ 35,000.00
8	Roadway Excavation, Complete in Place, the Sum of:	CY	5,400	\$ 8.90	\$ 48,060.00	\$ 12.00	\$ 64,800.00	\$ 12.00	\$ 64,800.00	\$ 5.45	\$ 29,430.00	\$ 20.00	\$ 108,000.00	\$ 16.70	\$ 90,180.00	\$ 17.00	\$ 91,800.00	\$ 14.00	\$ 75,600.00	\$ 16.70	\$ 90,180.00	\$ 17.00	\$ 91,800.00	\$ 14.00	\$ 75,600.00
9	Reinforced concrete pavement (7") Complete in Place, the Sum of:	SY	8,810	\$ 40.50	\$ 356,805.00	\$ 45.00	\$ 396,450.00	\$ 38.00	\$ 334,680.00	\$ 47.00	\$ 415,530.00	\$ 51.00	\$ 449,130.00	\$ 47.00	\$ 408,600.00	\$ 50.00	\$ 440,000.00	\$ 55.00	\$ 487,500.00	\$ 47.00	\$ 408,600.00	\$ 50.00	\$ 440,000.00	\$ 55.00	\$ 487,500.00
10	Concrete curb, Standard 6" Curb, Complete in Place, the Sum of:	LF	4,650	\$ 2.80	\$ 13,020.00	\$ 3.50	\$ 16,275.00	\$ 3.00	\$ 13,950.00	\$ 9.15	\$ 42,547.50	\$ 4.00	\$ 18,600.00	\$ 3.80	\$ 16,740.00	\$ 3.25	\$ 15,112.50	\$ 3.50	\$ 16,275.00	\$ 3.80	\$ 16,740.00	\$ 3.25	\$ 15,112.50	\$ 3.50	\$ 16,275.00
11	Remove & Replace 6" reinforced concrete driveway, Complete in Place, the Sum of:	SY	870	\$ 50.00	\$ 43,500.00	\$ 54.00	\$ 46,980.00	\$ 95.00	\$ 82,850.00	\$ 125.00	\$ 108,750.00	\$ 90.00	\$ 78,300.00	\$ 50.60	\$ 45,022.00	\$ 55.00	\$ 47,850.00	\$ 75.00	\$ 63,750.00	\$ 50.60	\$ 45,022.00	\$ 55.00	\$ 47,850.00	\$ 75.00	\$ 63,750.00
12	Remove existing concrete sidewalk, all thicknesses, Complete in Place, the Sum of:	SY	450	\$ 4.50	\$ 2,025.00	\$ 10.00	\$ 4,500.00	\$ 10.00	\$ 4,500.00	\$ 4.00	\$ 1,800.00	\$ 7.00	\$ 3,150.00	\$ 2.00	\$ 2,970.00	\$ 2.00	\$ 900.00	\$ 5.00	\$ 2,250.00	\$ 2.00	\$ 900.00	\$ 5.00	\$ 2,250.00	\$ 5.00	\$ 2,250.00
13	Proposed 4" thick concrete sidewalk, including sawcutting, subgrade, reinforcement and joints, Complete in Place, the Sum of:	SY	90	\$ 43.80	\$ 3,942.00	\$ 50.00	\$ 4,500.00	\$ 74.00	\$ 6,660.00	\$ 85.00	\$ 5,850.00	\$ 4.00	\$ 360.00	\$ 49.00	\$ 4,410.00	\$ 48.00	\$ 4,320.00	\$ 60.00	\$ 5,400.00	\$ 49.00	\$ 4,410.00	\$ 48.00	\$ 4,320.00	\$ 60.00	\$ 5,400.00
14	Proposed 5" thick concrete sidewalk, including sawcutting, subgrade, reinforcement and joints, Complete in Place, the Sum of:	SY	1,100	\$ 44.00	\$ 48,400.00	\$ 55.00	\$ 60,500.00	\$ 87.00	\$ 95,700.00	\$ 85.00	\$ 71,500.00	\$ 7.00	\$ 7,700.00	\$ 57.00	\$ 62,700.00	\$ 51.00	\$ 56,100.00	\$ 62.50	\$ 68,750.00	\$ 57.00	\$ 62,700.00	\$ 51.00	\$ 56,100.00	\$ 62.50	\$ 68,750.00
15	Wheel Chair Ramp per ADA Requirements, Complete in Place, the Sum of:	SY	40	\$ 66.70	\$ 2,668.00	\$ 250.00	\$ 10,000.00	\$ 150.00	\$ 6,000.00	\$ 320.00	\$ 12,800.00	\$ 150.00	\$ 6,000.00	\$ 90.00	\$ 3,600.00	\$ 70.00	\$ 2,800.00	\$ 100.00	\$ 4,000.00	\$ 90.00	\$ 3,600.00	\$ 70.00	\$ 2,800.00	\$ 100.00	\$ 4,000.00
16	6" Black Base for Roadway Transition, Complete in Place, the Sum of:	SY	750	\$ 38.80	\$ 29,100.00	\$ 50.00	\$ 37,500.00	\$ 45.00	\$ 33,750.00	\$ 40.00	\$ 30,000.00	\$ 55.00	\$ 41,250.00	\$ 44.00	\$ 33,000.00	\$ 47.00	\$ 35,250.00	\$ 50.00	\$ 37,500.00	\$ 44.00	\$ 33,000.00	\$ 47.00	\$ 35,250.00	\$ 50.00	\$ 37,500.00
17	2" H/MAC for Roadway Transition, Complete in Place, the Sum of:	SY	750	\$ 20.90	\$ 15,675.00	\$ 15.00	\$ 11,250.00	\$ 15.00	\$ 11,250.00	\$ 17.00	\$ 12,750.00	\$ 20.00	\$ 15,000.00	\$ 23.00	\$ 17,250.00	\$ 15.00	\$ 11,250.00	\$ 22.50	\$ 16,875.00	\$ 23.00	\$ 17,250.00	\$ 15.00	\$ 11,250.00	\$ 22.50	\$ 16,875.00
18	Temporary Black Base for Roadway Widening & Transition, Complete in Place, the Sum of:	TON	1,600	\$ 21.20	\$ 33,920.00	\$ 75.00	\$ 120,000.00	\$ 75.00	\$ 120,000.00	\$ 75.00	\$ 120,000.00	\$ 131.00	\$ 209,600.00	\$ 116.00	\$ 185,600.00	\$ 52.00	\$ 83,200.00	\$ 10.00	\$ 16,000.00	\$ 116.00	\$ 185,600.00	\$ 52.00	\$ 83,200.00	\$ 10.00	\$ 16,000.00
19	Concrete paving header at asphalt paving, Complete in Place, the Sum of:	LF	80	\$ 7.40	\$ 592.00	\$ 10.00	\$ 800.00	\$ 10.00	\$ 800.00	\$ 14.50	\$ 1,160.00	\$ 35.00	\$ 2,800.00	\$ 5.20	\$ 416.00	\$ 8.00	\$ 640.00	\$ 12.00	\$ 960.00	\$ 5.20	\$ 416.00	\$ 8.00	\$ 640.00	\$ 12.00	\$ 960.00
20	Concrete paving header at existing concrete paving, Complete in Place, the Sum of:	LF	90	\$ 7.40	\$ 666.00	\$ 10.00	\$ 900.00	\$ 10.00	\$ 900.00	\$ 14.50	\$ 1,305.00	\$ 35.00	\$ 3,150.00	\$ 5.00	\$ 450.00	\$ 8.00	\$ 720.00	\$ 12.00	\$ 1,080.00	\$ 5.00	\$ 450.00	\$ 8.00	\$ 720.00	\$ 12.00	\$ 1,080.00
21	Remove existing storm culverts, 12" thru 36" diameter, including S.E.T.s, Complete in Place, the Sum of:	LF	1,190	\$ 13.20	\$ 15,708.00	\$ 15.00	\$ 17,850.00	\$ 20.00	\$ 23,800.00	\$ 19.00	\$ 22,610.00	\$ 10.00	\$ 11,900.00	\$ 13.00	\$ 15,470.00	\$ 20.00	\$ 23,800.00	\$ 15.00	\$ 17,850.00	\$ 13.00	\$ 15,470.00	\$ 20.00	\$ 23,800.00	\$ 15.00	\$ 17,850.00
22	Remove Existing Inlet or Manhole, Complete in Place, the Sum of:	EA	6	\$ 440.70	\$ 2,644.20	\$ 400.00	\$ 2,400.00	\$ 750.00	\$ 4,500.00	\$ 675.00	\$ 4,050.00	\$ 350.00	\$ 2,100.00	\$ 375.00	\$ 2,250.00	\$ 950.00	\$ 5,700.00	\$ 500.00	\$ 3,000.00	\$ 375.00	\$ 2,250.00	\$ 950.00	\$ 5,700.00	\$ 500.00	\$ 3,000.00
23	Reinforced concrete pipe (18") Complete in Place, the Sum of:	LF	70	\$ 66.80	\$ 4,676.00	\$ 60.00	\$ 4,200.00	\$ 65.00	\$ 4,550.00	\$ 68.50	\$ 4,795.00	\$ 57.00	\$ 3,990.00	\$ 88.00	\$ 6,160.00	\$ 82.00	\$ 5,740.00	\$ 110.00	\$ 7,700.00	\$ 88.00	\$ 6,160.00	\$ 82.00	\$ 5,740.00	\$ 110.00	\$ 7,700.00
24	Reinforced concrete pipe (24") Complete in Place, the Sum of:	LF	1,020	\$ 66.20	\$ 67,524.00	\$ 83.00	\$ 84,660.00	\$ 75.00	\$ 76,500.00	\$ 85.00	\$ 86,700.00	\$ 85.00	\$ 86,700.00	\$ 93.50	\$ 95,370.00	\$ 101.00	\$ 103,020.00	\$ 150.00	\$ 153,000.00	\$ 93.50	\$ 95,370.00	\$ 101.00	\$ 103,020.00	\$ 150.00	\$ 153,000.00
25	Reinforced concrete pipe (30") Complete in Place, the Sum of:	LF	530	\$ 80.40	\$ 42,612.00	\$ 100.00	\$ 53,000.00	\$ 110.00	\$ 58,300.00	\$ 105.00	\$ 55,650.00	\$ 108.00	\$ 57,240.00	\$ 121.00	\$ 64,130.00	\$ 120.00	\$ 63,600.00	\$ 160.00	\$ 84,800.00	\$ 121.00	\$ 64,130.00	\$ 120.00	\$ 63,600.00	\$ 160.00	\$ 84,800.00
26	Reinforced concrete pipe (36") Complete in Place, the Sum of:	LF	800	\$ 100.50	\$ 80,400.00	\$ 125.00	\$ 100,000.00	\$ 145.00	\$ 116,000.00	\$ 132.00	\$ 106,600.00	\$ 15.00	\$ 12,000.00	\$ 144.00	\$ 116,800.00	\$ 146.00	\$ 118,800.00	\$ 205.00	\$ 164,000.00	\$ 144.00	\$ 116,800.00	\$ 146.00	\$ 118,800.00	\$ 205.00	\$ 164,000.00
27	Reinforced concrete pipe (42") Complete in Place, the Sum of:	LF	230	\$ 153.50	\$ 35,305.00	\$ 167.00	\$ 38,410.00	\$ 200.00	\$ 46,000.00	\$ 425.00	\$ 97,750.00	\$ 193.00	\$ 44,390.00	\$ 193.00	\$ 44,390.00	\$ 181.00	\$ 41,630.00	\$ 230.00	\$ 52,900.00	\$ 193.00	\$ 44,390.00	\$ 181.00	\$ 41,630.00	\$ 230.00	\$ 52,900.00
28	Reinforced concrete pipe (48") Complete in Place, the Sum of:	LF	40	\$ 175.00	\$ 7,000.00	\$ 175.00	\$ 7,000.00	\$ 225.00	\$ 9,000.00	\$ 205.00	\$ 8,200.00	\$ 215.00	\$ 8,320.00	\$ 208.00	\$ 7,920.00	\$ 210.00	\$ 8,400.00	\$ 290.00	\$ 11,200.00	\$ 208.00	\$ 7,920.00	\$ 210.00	\$ 8,400.00	\$ 290.00	\$ 11,200.00
29	Reinforced concrete pipe (54") Complete in Place, the Sum of:	LF	610	\$ 224.10	\$ 136,710.00	\$ 230.00	\$ 140,300.00	\$ 300.00	\$ 183,000.00	\$ 285.00	\$ 161,650.00	\$ 280.00	\$ 170,800.00	\$ 369.00	\$ 225,090.00	\$ 287.00	\$ 162,870.00	\$ 300.00	\$ 183,000.00	\$ 369.00	\$ 225,090.00	\$ 287.00	\$ 162,870.00	\$ 300.00	\$ 183,000.00
30	Bore & Jack (Trenchless Construction) 54" Class V Storm Sewer Pipe under FM 270 (TADOT), Complete in Place, the Sum of:	LF	180	\$ 861.10	\$ 154,998.00	\$ 1,300.00	\$ 234,000.00	\$ 1,400.00	\$ 252,000.00	\$ 850.00	\$ 153,000.00	\$ 1,600.00	\$ 288,000.00	\$ 1,320.00	\$ 237,600.00	\$ 900.00	\$ 162,000.00	\$ 1,250.00	\$ 225,000.00	\$ 1,320.00	\$ 237,600.00	\$ 900.00	\$ 162,000.00	\$ 1,250.00	\$ 225,000.00
31	HDPE Storm Sewer (36") Complete in Place, the Sum of:	LF	70	\$ 109.10	\$ 7,637.00	\$ 136.00	\$ 9,520.00	\$ 150.00	\$ 10,500.00	\$ 1,320.00	\$ 92,400.00	\$ 100.00	\$ 7,000.00	\$ 122.00	\$ 8,540.00	\$ 92.00	\$ 6,440.00	\$ 250.00	\$ 17,500.00	\$ 122.00	\$ 8,540.00	\$ 92.00	\$ 6,440.00	\$ 250.00	\$ 17,500.00
32	HDPE Storm Sewer (60") Complete in Place, the Sum of:	LF	80	\$ 167.10	\$ 13,368.00	\$ 268.00	\$ 21,440.00	\$ 325.00	\$ 26,000.00	\$ 210.00	\$ 16,800.00	\$ 233.00	\$ 18,640.00	\$ 191.00	\$ 15,280.00	\$ 330.00	\$ 26,400.00	\$ 270.00	\$ 21,600.00	\$ 191.00	\$ 15,280.00	\$ 330.00	\$ 26,400.00	\$ 270.00	\$ 21,600.00
33	Storm Junction Box - 4 x 4, Complete in Place, the Sum of:	EA	1	\$ 2,954.80	\$ 2,954.80	\$ 3,500.00	\$ 3,500.00	\$ 3,600.00	\$ 3,600.00	\$ 9,900.00	\$ 9,900.00	\$ 3,400.00	\$ 3,400.00	\$ 3,260.00	\$ 3,260.00	\$ 4,300.									

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY.	LOW BIDDER															
				Mar-Con Services, LLC		Loris Construction Company, Inc.		AAA Asphalt Paving Inc.		Triple B Services, LLP		FUBED Industries, LLC		SER Construction Partners, LLC		IB Contracting, Inc.		Geard Construction Co., LTD	
<b>WATER ITEMS - BASE BID</b>																			
64	2" PVC Class 200 water line by augered or open cut construction, all depths, Complete in Place, the Sum of:	LF	20	\$ 36.60	\$ 732.00	\$ 35.00	\$ 700.00	\$ 17.00	\$ 340.00	\$ 18.65	\$ 373.00	\$ 29.00	\$ 580.00	\$ 47.00	\$ 940.00	\$ 25.00	\$ 500.00	\$ 85.00	\$ 1,700.00
65	6" CERTA-LOK waterline by augered or open cut construction, all depths, Complete in Place, the Sum of:	LF	230	\$ 73.40	\$ 16,882.00	\$ 151.00	\$ 34,730.00	\$ 36.00	\$ 8,280.00	\$ 37.00	\$ 22,310.00	\$ 41.00	\$ 9,430.00	\$ 113.00	\$ 25,990.00	\$ 100.00	\$ 23,000.00	\$ 125.00	\$ 28,750.00
66	8" PVC C-900, Class 150 water line by augered or open cut construction, all depths, Complete in Place, the Sum of:	LF	2,070	\$ 29.00	\$ 60,030.00	\$ 55.00	\$ 113,850.00	\$ 40.00	\$ 82,800.00	\$ 28.00	\$ 57,980.00	\$ 29.00	\$ 60,030.00	\$ 58.00	\$ 120,060.00	\$ 89.00	\$ 184,230.00	\$ 87.50	\$ 181,125.00
67	8" CERTA-LOK waterline by augered or open cut construction, all depths, Complete in Place, the Sum of:	LF	450	\$ 60.10	\$ 27,045.00	\$ 89.00	\$ 40,050.00	\$ 42.00	\$ 18,900.00	\$ 54.50	\$ 24,525.00	\$ 41.00	\$ 18,450.00	\$ 107.00	\$ 48,150.00	\$ 130.00	\$ 58,500.00	\$ 130.00	\$ 58,500.00
68	Offset 12" PVC C-900, Class 150 water line, Complete in Place, the Sum of:	EA	1	\$ 7,720.00	\$ 7,720.00	\$ 15,000.00	\$ 15,000.00	\$ 6,500.00	\$ 6,500.00	\$ 6,690.00	\$ 6,690.00	\$ 9,300.00	\$ 9,300.00	\$ 12,500.00	\$ 12,500.00	\$ 6,000.00	\$ 6,000.00	\$ 6,500.00	\$ 6,500.00
69	8" Gate Valve and Box, Complete in Place, the Sum of:	EA	5	\$ 1,070.80	\$ 5,354.00	\$ 650.00	\$ 3,250.00	\$ 1,250.00	\$ 6,250.00	\$ 1,105.00	\$ 5,525.00	\$ 900.00	\$ 4,500.00	\$ 1,100.00	\$ 5,500.00	\$ 2,500.00	\$ 12,500.00	\$ 1,750.00	\$ 8,750.00
70	8" Gate Valve and Box, Complete in Place, the Sum of:	EA	20	\$ 1,413.40	\$ 28,268.00	\$ 1,500.00	\$ 30,000.00	\$ 1,500.00	\$ 30,000.00	\$ 1,410.00	\$ 28,200.00	\$ 1,300.00	\$ 26,000.00	\$ 1,675.00	\$ 33,500.00	\$ 2,800.00	\$ 56,000.00	\$ 2,000.00	\$ 40,000.00
71	2" Wet Connection, Complete in Place, the Sum of:	EA	1	\$ 550.60	\$ 550.60	\$ 750.00	\$ 750.00	\$ 300.00	\$ 300.00	\$ 710.00	\$ 710.00	\$ 1,000.00	\$ 1,000.00	\$ 325.00	\$ 325.00	\$ 1,500.00	\$ 1,500.00	\$ 1,000.00	\$ 1,000.00
72	6" Wet Connection, Complete in Place, the Sum of:	EA	5	\$ 613.90	\$ 3,069.50	\$ 1,500.00	\$ 7,500.00	\$ 785.00	\$ 3,925.00	\$ 785.00	\$ 3,825.00	\$ 1,100.00	\$ 5,500.00	\$ 1,850.00	\$ 9,250.00	\$ 1,800.00	\$ 9,000.00	\$ 1,250.00	\$ 6,250.00
73	8" Wet Connection, Complete in Place, the Sum of:	EA	4	\$ 672.20	\$ 2,688.80	\$ 2,100.00	\$ 8,400.00	\$ 500.00	\$ 2,000.00	\$ 820.00	\$ 3,280.00	\$ 1,100.00	\$ 4,400.00	\$ 2,750.00	\$ 11,000.00	\$ 2,000.00	\$ 8,000.00	\$ 1,500.00	\$ 6,000.00
74	2" Cut, Plug, & Abandon, Complete in Place, the Sum of:	EA	2	\$ 523.00	\$ 1,046.00	\$ 325.00	\$ 650.00	\$ 200.00	\$ 400.00	\$ 490.00	\$ 980.00	\$ 200.00	\$ 400.00	\$ 300.00	\$ 600.00	\$ 200.00	\$ 400.00	\$ 400.00	\$ 800.00
75	6" Cut, Plug, & Abandon, Complete in Place, the Sum of:	EA	4	\$ 547.10	\$ 2,188.40	\$ 400.00	\$ 1,600.00	\$ 225.00	\$ 900.00	\$ 645.00	\$ 2,580.00	\$ 300.00	\$ 1,200.00	\$ 500.00	\$ 2,000.00	\$ 300.00	\$ 1,200.00	\$ 500.00	\$ 2,000.00
76	8" Cut, Plug, & Abandon, Complete in Place, the Sum of:	EA	4	\$ 575.00	\$ 2,300.00	\$ 750.00	\$ 3,000.00	\$ 250.00	\$ 1,000.00	\$ 800.00	\$ 3,200.00	\$ 400.00	\$ 1,600.00	\$ 735.00	\$ 2,940.00	\$ 500.00	\$ 2,000.00	\$ 600.00	\$ 2,400.00
77	8" Plug with 2" Connection, Complete in Place, the Sum of:	EA	1	\$ 777.00	\$ 777.00	\$ 760.00	\$ 760.00	\$ 450.00	\$ 450.00	\$ 655.00	\$ 655.00	\$ 500.00	\$ 500.00	\$ 380.00	\$ 380.00	\$ 300.00	\$ 300.00	\$ 1,200.00	\$ 1,200.00
78	Fire hydrant assembly installed on new water main, including gate valve and lead pipe, Complete in Place, the Sum of:	EA	5	\$ 3,859.20	\$ 19,296.00	\$ 5,100.00	\$ 25,500.00	\$ 4,700.00	\$ 23,500.00	\$ 4,100.00	\$ 20,500.00	\$ 5,400.00	\$ 27,000.00	\$ 4,300.00	\$ 21,500.00	\$ 3,800.00	\$ 19,000.00	\$ 4,000.00	\$ 20,000.00
79	Remove and Salvage existing fire hydrants and blow off valves, Complete in Place, the Sum of:	EA	3	\$ 469.30	\$ 1,407.90	\$ 700.00	\$ 2,100.00	\$ 1,000.00	\$ 3,000.00	\$ 6,655.00	\$ 19,995.00	\$ 660.00	\$ 1,980.00	\$ 485.00	\$ 1,455.00	\$ 1,800.00	\$ 5,400.00	\$ 500.00	\$ 1,500.00
80	Abandon valve and remove and dispose of valve box, Complete in Place, the Sum of:	EA	4	\$ 81.50	\$ 326.00	\$ 100.00	\$ 400.00	\$ 300.00	\$ 1,200.00	\$ 340.00	\$ 1,360.00	\$ 520.00	\$ 2,080.00	\$ 215.00	\$ 860.00	\$ 1,000.00	\$ 4,000.00	\$ 500.00	\$ 2,000.00
81	Install long side service, Complete in Place, the Sum of:	EA	4	\$ 984.50	\$ 3,938.00	\$ 1,000.00	\$ 4,000.00	\$ 1,800.00	\$ 7,200.00	\$ 1,210.00	\$ 4,840.00	\$ 1,200.00	\$ 4,800.00	\$ 1,450.00	\$ 5,800.00	\$ 2,000.00	\$ 8,000.00	\$ 2,000.00	\$ 8,000.00
82	Install short side service, Complete in Place, the Sum of:	EA	10	\$ 864.90	\$ 8,649.00	\$ 600.00	\$ 6,000.00	\$ 1,000.00	\$ 10,000.00	\$ 950.00	\$ 9,500.00	\$ 880.00	\$ 8,800.00	\$ 900.00	\$ 9,000.00	\$ 1,600.00	\$ 16,000.00	\$ 1,500.00	\$ 15,000.00
83	Trench safety system for water line construction, incl. installation, operation & removal, all types of soil, all depths, complete in place the sum of:	LF	2,100	\$ 0.30	\$ 630.00	\$ 1.00	\$ 2,100.00	\$ 7.00	\$ 14,700.00	\$ 0.01	\$ 21.00	\$ 1.00	\$ 2,100.00	\$ 0.10	\$ 210.00	\$ 1.00	\$ 2,100.00	\$ 1.00	\$ 2,100.00
TOTAL BASE BID WATER ITEMS:					\$ 192,898.20	\$ 390,340.00	\$ 218,720.00	\$ 217,629.00	\$ 189,656.00	\$ 311,960.00	\$ 417,630.00	\$ 393,575.00							
<b>SUPPLEMENTAL ITEMS</b>																			
84	Well pointing for storm sewers (open cut construction only), all sizes, all depths, including all necessary appurtenances, complete in place the sum of:	L.F.	1,000	\$ 25.00	\$ 25,000.00	\$ 25.00	\$ 25,000.00	\$ 25.00	\$ 25,000.00	\$ 28.65	\$ 28,650.00	\$ 25.00	\$ 25,000.00	\$ 25.00	\$ 25,000.00	\$ 25.00	\$ 25,000.00	\$ 25.00	\$ 25,000.00
85	Well condition bedding for storm sewer (open cut construction only), all sizes, and utility installation, all depths, complete in place the sum of:	L.F.	1,000	\$ 5.00	\$ 5,000.00	\$ 5.00	\$ 5,000.00	\$ 5.00	\$ 5,000.00	\$ 18.30	\$ 18,300.00	\$ 10.00	\$ 10,000.00	\$ 5.00	\$ 5,000.00	\$ 25.00	\$ 25,000.00	\$ 5.00	\$ 5,000.00
86	Well condition bedding for manholes, junction manholes, conflict junction manholes, all sizes, all depths, complete in place the sum of:	EA.	8	\$ 750.00	\$ 6,000.00	\$ 750.00	\$ 6,000.00	\$ 750.00	\$ 6,000.00	\$ 1,455.00	\$ 11,640.00	\$ 750.00	\$ 6,000.00	\$ 750.00	\$ 6,000.00	\$ 3,000.00	\$ 24,000.00	\$ 750.00	\$ 6,000.00
87	Additional Length for Water Service Tubing, Complete in Place, the Sum of:	L.F.	300	\$ 10.00	\$ 3,000.00	\$ 10.00	\$ 3,000.00	\$ 10.00	\$ 3,000.00	\$ 10.00	\$ 3,000.00	\$ 10.00	\$ 3,000.00	\$ 10.00	\$ 3,000.00	\$ 6.00	\$ 1,800.00	\$ 10.00	\$ 3,000.00
88	Solid sheet piling system ordered left in place for storm sewers and utilities, all sizes, all depths, complete in place the sum of:	L.F.	250	\$ 20.00	\$ 5,000.00	\$ 20.00	\$ 5,000.00	\$ 20.00	\$ 5,000.00	\$ 79.35	\$ 19,837.50	\$ 20.00	\$ 5,000.00	\$ 20.00	\$ 5,000.00	\$ 60.00	\$ 15,000.00	\$ 20.00	\$ 5,000.00
89	Installation and removal of piezometers, complete in place the sum of:	EA.	5	\$ 100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 500.00	\$ 2,500.00	\$ 100.00	\$ 500.00	\$ 4,500.00	\$ 22,500.00	\$ 100.00	\$ 500.00
90	Install extra cement stabilized sand backfill, complete in place the sum of:	C.Y.	400	\$ 25.00	\$ 10,000.00	\$ 25.00	\$ 10,000.00	\$ 25.00	\$ 10,000.00	\$ 25.00	\$ 10,000.00	\$ 25.00	\$ 10,000.00	\$ 25.00	\$ 10,000.00	\$ 80.00	\$ 32,000.00	\$ 25.00	\$ 10,000.00
91	Install extra bank sand backfill, complete in place the sum of:	C.Y.	400	\$ 20.00	\$ 8,000.00	\$ 20.00	\$ 8,000.00	\$ 20.00	\$ 8,000.00	\$ 20.00	\$ 8,000.00	\$ 20.00	\$ 8,000.00	\$ 20.00	\$ 8,000.00	\$ 44.00	\$ 17,600.00	\$ 20.00	\$ 8,000.00
92	Install 8" Cement Stabilized sand subgrade as directed by Engineer, complete in place the sum of:	S.Y.	500	\$ 18.00	\$ 9,000.00	\$ 18.00	\$ 9,000.00	\$ 18.00	\$ 9,000.00	\$ 18.00	\$ 9,000.00	\$ 18.00	\$ 9,000.00	\$ 18.00	\$ 9,000.00	\$ 22.00	\$ 11,000.00	\$ 18.00	\$ 9,000.00
93	Extra 1.5 sack of cement per cubic yard added to 6" reinforced concrete pavement, Complete in Place, the Sum of:	S.Y.	500	\$ 3.50	\$ 1,750.00	\$ 3.50	\$ 1,750.00	\$ 3.50	\$ 1,750.00	\$ 3.50	\$ 1,750.00	\$ 5.00	\$ 2,500.00	\$ 3.50	\$ 1,750.00	\$ 20.00	\$ 10,000.00	\$ 3.50	\$ 1,750.00
94	Extra 1.5 sack of cement per cubic yard added to 7" reinforced concrete pavement, Complete in Place, the Sum of:	S.Y.	2,000	\$ 4.00	\$ 8,000.00	\$ 4.00	\$ 8,000.00	\$ 4.00	\$ 8,000.00	\$ 4.00	\$ 8,000.00	\$ 4.00	\$ 8,000.00	\$ 4.00	\$ 8,000.00	\$ 2.50	\$ 5,000.00	\$ 4.00	\$ 8,000.00
95	8" Insertion Valve on Existing Water Line (All Types, All Depths), Complete in Place, the Sum of:	EA.	2	\$ 7,500.00	\$ 15,000.00	\$ 7,500.00	\$ 15,000.00	\$ 7,500.00	\$ 15,000.00	\$ 7,500.00	\$ 15,000.00	\$ 7,500.00	\$ 15,000.00	\$ 7,500.00	\$ 15,000.00	\$ 2,800.00	\$ 5,600.00	\$ 7,500.00	\$ 15,000.00
96	12" Insertion Valve on Existing Water Line (All Types, All Depths), Complete in Place, the Sum of:	EA.	1	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 5,600.00	\$ 11,000.00	\$ 10,000.00	\$ 10,000.00
97	Remove and Replace Existing Water Meter Box, Complete in Place, the Sum of:	EA.	5	\$ 100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 1,500.00	\$ 7,500.00	\$ 100.00	\$ 500.00
98	Brace, support and protect power/telephone pole as per Utility Company's requirements, Complete in Place, the Sum of:	EA.	2	\$ 1,000.00	\$ 2,000.00	\$ 1,000.00	\$ 2,000.00	\$ 1,000.00	\$ 2,000.00	\$ 1,000.00	\$ 2,000.00	\$ 1,000.00	\$ 2,000.00	\$ 1,000.00	\$ 2,000.00	\$ 5,000.00	\$ 10,000.00	\$ 1,000.00	\$ 2,000.00
TOTAL SUPPLEMENTAL ITEMS:					\$ 108,750.00	\$ 108,750.00	\$ 108,750.00	\$ 146,177.50	\$ 116,500.00	\$ 108,750.00	\$ 217,600.00	\$ 108,750.00							
TOTAL BASE BID PAVING ITEMS:					\$ 1,815,449.80	\$ 1,913,354.50	\$ 1,998,880.27	\$ 2,092,109.25	\$ 2,276,815.00	\$ 2,168,743.00	\$ 2,015,936.00	\$ 2,485,070.00							
TOTAL BASE BID WATER ITEMS:					\$ 192,898.20	\$ 390,340.00	\$ 218,720.00	\$ 217,629.00	\$ 189,656.00	\$ 311,960.00	\$ 417,630.00	\$ 393,575.00							
TOTAL SUPPLEMENTAL ITEMS:					\$ 108,750.00	\$ 108,750.00	\$ 108,750.00	\$ 146,177.50	\$ 116,500.00	\$ 108,750.00	\$ 217,600.00	\$ 108,750.00							
TOTAL BASE BID + WATER ITEMS + SUPPLEMENTAL ITEMS:					\$ 2,117,098.00	\$ 2,322,444.50	\$ 2,327,350.27	\$ 2,455,315.75	\$ 2,582,965.00	\$ 2,589,453.00	\$ 2,651,166.00	\$ 2,997,395.00							
<b>MATHEMATICAL ERROR CORRECTED BY ENGINEER</b>																			