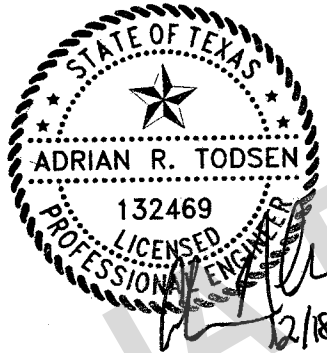


BID TABULATION FOR:

CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES AND PAVING AND APPURTENANCES TO SERVE POMONA SECTIONS 20 & 21 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 39 CITY OF MANVEL E.T.J., BRAZORIA COUNTY, TEXAS
LJA ENGINEERING, INC.
C. DURHAM
DECEMBER 18, 2020
2149-4120 & 2149-4121 (9,2)

BID OPENING DATE:
BID OPENING LOCATION:
TABULATION BY:
TABULATION DATE:
LJA JOB NO.

BIDDER'S NAME	TOTAL AMOUNT BID	PROPOSED CALENDAR DAYS SUBSTANTIAL / FINAL
1) CLEARWATER UTILITIES, INC.	\$3,393,726.09	115/135
2) CROSTEX CONSTRUCTION INC.	\$3,700,000.00	130/150
3) HARRIS CONSTRUCTION COMPANY, LTD.	\$3,987,996.50	130/150
4) TRIPLE B SERVICES, LLP	\$4,143,373.10	130/150



I, Adrian R. Todsens, P.E., hereby certify these bid tabulations to be true and correct.

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CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES AND PAVING AND APPURTENANCES
 TO SERVE POMONA SECTIONS 20 & 21
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 39
 CITY OF MANVEL E.T.J., BRAZORIA COUNTY, TEXAS
 DECEMBER 18, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 18, 2020
 2149-4120 & 2149-4121 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) CLEARWATER UTILITIES, INC.		2) CROSTEX CONSTRUCTION INC.		3) HARRIS CONSTRUCTION COMPANY, LTD.		
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
WATER ITEMS - SECTION 20										
1	8" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	489	\$18.00	\$8,802.00	\$17.00	\$8,313.00	\$21.00	\$10,269.00	
2	8" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	60	\$27.00	\$1,620.00	\$26.00	\$1,560.00	\$35.00	\$2,100.00	
3	12" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	1443	\$30.00	\$43,290.00	\$34.00	\$49,062.00	\$36.00	\$51,948.00	
4	12" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	480	\$43.00	\$20,640.00	\$50.00	\$24,000.00	\$65.00	\$31,200.00	
5	16" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	694	\$47.00	\$32,618.00	\$58.75	\$40,772.50	\$58.00	\$40,252.00	
6	16" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	222	\$50.00	\$11,100.00	\$89.75	\$19,924.50	\$108.00	\$23,976.00	
7	8" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	2	\$1,065.00	\$2,130.00	\$1,005.00	\$2,010.00	\$1,100.00	\$2,200.00	
8	12" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	6	\$1,984.00	\$11,904.00	\$1,950.00	\$11,700.00	\$2,250.00	\$13,500.00	
9	16" BUTTERFLY VALVE AND BOX, COMPLETE IN PLACE	EA	2	\$2,800.00	\$5,600.00	\$4,500.00	\$9,000.00	\$5,200.00	\$10,400.00	
10	1" DIAMETER "NEAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	26	\$375.00	\$9,750.00	\$440.00	\$11,440.00	\$375.00	\$9,750.00	
11	1" DIAMETER "FAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	36	\$1,300.00	\$46,800.00	\$910.00	\$32,760.00	\$700.00	\$25,200.00	
12	8" WET CONNECTION, INCLUDES REMOVAL OF EXISTING FLUSHING VALVE AND REDUCER AND CONNECTION TO EXISTING 8" WATER LINE, COMPLETE IN PLACE	EA	3	\$1.00	\$3.00	\$150.00	\$450.00	\$250.00	\$750.00	
13	16" WET CONNECTION, INCLUDES REMOVAL OF EXISTING FLUSHING VALVE AND REDUCER AND CONNECTION TO EXISTING 16" WATER LINE, COMPLETE IN PLACE	EA	1	\$1.00	\$1.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00	
14	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, GATE VALVE & BOX, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	11	\$4,000.00	\$44,000.00	\$4,900.00	\$53,900.00	\$4,750.00	\$52,250.00	
15	END OF LINE FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES REDUCER, LEAD, APPROPRIATE TEE AND RESTRAINED JOINTS, COMPLETE IN PLACE	EA	3	\$4,000.00	\$12,000.00	\$4,900.00	\$14,700.00	\$4,450.00	\$13,350.00	
16	P.V.C. CASING FOR 12" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	198	\$44.00	\$8,712.00	\$88.00	\$17,424.00	\$110.00	\$21,780.00	
17	P.V.C. CASING FOR 16" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	62	\$45.00	\$2,790.00	\$127.00	\$7,874.00	\$175.00	\$10,850.00	
18	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	1242	\$2.00	\$2,484.00	\$3.00	\$3,726.00	\$2.00	\$2,484.00	

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 TO SERVE POMONA SECTIONS 20 & 21
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 39
 CITY OF MANVEL E.T.J., BRAZORIA COUNTY, TEXAS
 DECEMBER 18, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 18, 2020
 2149-4120 & 2149-4121 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) CLEARWATER UTILITIES, INC.		2) CROSTEX CONSTRUCTION INC.		3) HARRIS CONSTRUCTION COMPANY, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
19	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	6115	\$0.10	\$611.50	\$1.05	\$6,420.75	\$2.00	\$12,230.00
WATER ITEMS - SECTION 20 SUBTOTAL:					\$264,855.50		\$315,536.75		\$335,989.00
WATER ITEMS - SECTION 21									
1	8" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	2258	\$18.00	\$40,644.00	\$17.25	\$38,950.50	\$19.00	\$42,902.00
2	8" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	767	\$27.00	\$20,709.00	\$26.00	\$19,942.00	\$35.00	\$26,845.00
3	16" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	580	\$47.00	\$27,260.00	\$59.00	\$34,220.00	\$52.00	\$30,160.00
4	16" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	135	\$50.00	\$6,750.00	\$89.50	\$12,082.50	\$105.00	\$14,175.00
5	8" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	8	\$1,065.00	\$8,520.00	\$1,005.00	\$8,040.00	\$1,100.00	\$8,800.00
6	16" BUTTERFLY VALVE AND BOX, COMPLETE IN PLACE	EA	4	\$2,800.00	\$11,200.00	\$4,500.00	\$18,000.00	\$5,200.00	\$20,800.00
7	1" DIAMETER "NEAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	45	\$375.00	\$16,875.00	\$430.00	\$19,350.00	\$375.00	\$16,875.00
8	1" DIAMETER "FAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	32	\$1,300.00	\$41,600.00	\$905.00	\$28,960.00	\$700.00	\$22,400.00
9	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, GATE VALVE & BOX, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	10	\$4,000.00	\$40,000.00	\$4,850.00	\$48,500.00	\$4,500.00	\$45,000.00
10	END OF LINE FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES GATE VALVE & BOX, REDUCER, LEAD, APPROPRIATE TEE AND RESTRAINED JOINTS, COMPLETE IN PLACE	EA	7	\$4,000.00	\$28,000.00	\$5,100.00	\$35,700.00	\$4,450.00	\$31,150.00
11	P.V.C. CASING FOR 8" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	107	\$40.00	\$4,280.00	\$76.00	\$8,132.00	\$65.00	\$6,955.00
12	P.V.C. CASING FOR 16" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	70	\$45.00	\$3,150.00	\$140.00	\$9,800.00	\$175.00	\$12,250.00
13	8" WET CONNECTION, INCLUDES REMOVAL OF EXISTING FLUSHING VALVE AND REDUCER AND CONNECTION TO EXISTING 8" WATER LINE, COMPLETE IN PLACE	EA	3	\$1.00	\$3.00	\$150.00	\$450.00	\$250.00	\$750.00
14	16" WET CONNECTION, INCLUDES REMOVAL OF EXISTING FLUSHING VALVE AND REDUCER AND CONNECTION TO EXISTING 16" WATER LINE, COMPLETE IN PLACE	EA	1	\$1.00	\$1.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00
15	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	907	\$2.00	\$1,814.00	\$3.00	\$2,721.00	\$2.00	\$1,814.00
16	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	6137	\$0.10	\$613.70	\$1.05	\$6,443.85	\$2.00	\$12,274.00
WATER ITEMS - SECTION 21 SUBTOTAL:					\$251,419.70		\$291,791.85		\$294,650.00
SANITARY ITEMS - SECTION 20									

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 TO SERVE POMONA SECTIONS 20 & 21
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 39
 CITY OF MANVEL E.T.J., BRAZORIA COUNTY, TEXAS
 DECEMBER 18, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 18, 2020
 2149-4120 & 2149-4121 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) CLEARWATER UTILITIES, INC.		2) CROSTEX CONSTRUCTION INC.		3) HARRIS CONSTRUCTION COMPANY, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1695	\$35.00	\$59,325.00	\$24.50	\$41,527.50	\$25.00	\$42,375.00
2	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	343	\$36.00	\$12,348.00	\$28.00	\$9,604.00	\$28.00	\$9,604.00
3	"LONG SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	768	\$40.00	\$30,720.00	\$27.25	\$20,928.00	\$60.00	\$46,080.00
4	"SHORT SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	19	\$1,238.00	\$23,522.00	\$770.00	\$14,630.00	\$585.00	\$11,115.00
5	PRECAST STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (0'-8' DEPTH), INCLUDES PROTECTIVE INTERIOR COATING, STAINLESS STEEL INFLOW PROTECTOR AND ADJUSTMENTS, COMPLETE IN PLACE	EA	12	\$4,250.00	\$51,000.00	\$3,600.00	\$43,200.00	\$3,800.00	\$45,600.00
6	EXTRA DEPTH FOR SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	22	\$112.00	\$2,464.00	\$360.00	\$7,920.00	\$315.00	\$6,930.00
7	REMOVE EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED 8" SANITARY SEWER TO EXISTING 8" SANITARY SEWER, COMPLETE IN PLACE	EA	3	\$1.00	\$3.00	\$1,150.00	\$3,450.00	\$150.00	\$450.00
8	DEWATERING, ALL SIZES AND DEPTHS, FOR SANITARY SEWER CONSTRUCTION (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	343	\$0.01	\$3.43	\$20.00	\$6,860.00	\$25.00	\$8,575.00
9	ADDITIONAL COST FOR SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	343	\$0.01	\$3.43	\$15.00	\$5,145.00	\$15.00	\$5,145.00
10	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	943	\$2.00	\$1,886.00	\$3.00	\$2,829.00	\$2.00	\$1,886.00
11	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3109	\$0.10	\$310.90	\$1.10	\$3,419.90	\$2.00	\$6,218.00
SANITARY ITEMS - SECTION 20 SUBTOTAL:					\$181,585.76		\$159,513.40		\$183,978.00
SANITARY ITEMS - SECTION 21									
1	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1128	\$36.00	\$40,608.00	\$28.00	\$31,584.00	\$32.00	\$36,096.00
2	10" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	109	\$39.00	\$4,251.00	\$31.50	\$3,433.50	\$30.00	\$3,270.00
3	10" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1487	\$40.00	\$59,480.00	\$36.00	\$53,532.00	\$35.00	\$52,045.00
4	15" P.V.C. SEWER PIPE, ASTM D-3034, SDR 26, 16'-20' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	121	\$52.00	\$6,292.00	\$66.25	\$8,016.25	\$50.00	\$6,050.00
5	18" P.V.C. SEWER PIPE, ASTM F-679, PS 115, 16'-20' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1378	\$57.00	\$78,546.00	\$78.50	\$108,173.00	\$94.00	\$129,532.00

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ITEM	DESCRIPTION	UNIT	QTY	1) CLEARWATER UTILITIES, INC.		2) CROSTEX CONSTRUCTION INC.		3) HARRIS CONSTRUCTION COMPANY, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6	"LONG SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	1039	\$40.00	\$41,560.00	\$28.50	\$29,611.50	\$73.50	\$76,366.50
7	"SHORT SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	26	\$1,238.00	\$32,188.00	\$840.00	\$21,840.00	\$585.00	\$15,210.00
8	PRECAST STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (0'-8' DEPTH), INCLUDES PROTECTIVE INTERIOR COATING, STAINLESS STEEL INFLOW PROTECTOR AND ADJUSTMENTS, COMPLETE IN PLACE	EA	35	\$4,250.00	\$148,750.00	\$3,600.00	\$126,000.00	\$3,800.00	\$133,000.00
9	EXTRA DEPTH OF SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	224	\$112.00	\$25,088.00	\$360.00	\$80,640.00	\$315.00	\$70,560.00
10	REMOVE EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED 21" SANITARY SEWER TO EXISTING 21" SANITARY SEWER, COMPLETE IN PLACE	EA	1	\$1.00	\$1.00	\$1,500.00	\$1,500.00	\$400.00	\$400.00
11	DEWATERING, ALL SIZES AND DEPTHS, FOR SANITARY SEWER CONSTRUCTION (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	4223	\$0.01	\$42.23	\$20.00	\$84,460.00	\$25.00	\$105,575.00
12	ADDITIONAL COST FOR SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	4223	\$0.01	\$42.23	\$15.00	\$63,345.00	\$15.00	\$63,345.00
13	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	1665	\$2.00	\$3,330.00	\$3.00	\$4,995.00	\$2.00	\$3,330.00
14	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	5697	\$0.10	\$569.70	\$1.10	\$6,266.70	\$2.00	\$11,394.00
SANITARY ITEMS - SECTION 21 SUBTOTAL:					\$440,748.16		\$623,396.95		\$706,173.50
DRAINAGE FACILITIES ITEMS - SECTION 20									
1	24-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1649	\$57.00	\$93,993.00	\$51.00	\$84,099.00	\$56.00	\$92,344.00
2	30-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	718	\$63.00	\$45,234.00	\$63.00	\$45,234.00	\$65.00	\$46,670.00
3	36-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	453	\$83.00	\$37,599.00	\$84.75	\$38,391.75	\$90.00	\$40,770.00
4	42-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	397	\$105.00	\$41,685.00	\$110.00	\$43,670.00	\$130.00	\$51,610.00
5	48-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	33	\$122.00	\$4,026.00	\$134.00	\$4,422.00	\$160.00	\$5,280.00
6	STAGE I - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	26	\$1,148.00	\$29,848.00	\$1,800.00	\$46,800.00	\$875.00	\$22,750.00
7	STAGE II - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	26	\$1,098.00	\$28,548.00	\$400.00	\$10,400.00	\$1,150.00	\$29,900.00
8	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	23	\$2,225.00	\$51,175.00	\$2,200.00	\$50,600.00	\$2,600.00	\$59,800.00

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LJA JOB NO.

CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES AND PAVING AND APPURTENANCES
 TO SERVE POMONA SECTIONS 20 & 21
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 39
 CITY OF MANVEL E.T.J., BRAZORIA COUNTY, TEXAS
 DECEMBER 18, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 18, 2020
 2149-4120 & 2149-4121 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) CLEARWATER UTILITIES, INC.		2) CROSTEX CONSTRUCTION INC.		3) HARRIS CONSTRUCTION COMPANY, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9	STANDARD TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$5,131.00	\$5,131.00	\$7,500.00	\$7,500.00	\$8,400.00	\$8,400.00
10	STANDARD MANHOLE WITH TYPE "E" INLET TOP FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,808.00	\$2,808.00	\$3,600.00	\$3,600.00	\$4,100.00	\$4,100.00
11	CONTRACTOR TO REMOVE EXISTING BRICK PLUG AND CONNECT PROPOSED 24" STORM SEWER TO EXISTING 24" STORM SEWER, COMPLETE IN PLACE	EA	1	\$1.00	\$1.00	\$150.00	\$150.00	\$400.00	\$400.00
12	CONTRACTOR TO REMOVE EXISTING BRICK PLUG AND CONNECT PROPOSED 42" STORM SEWER TO EXISTING 42" STORM SEWER, COMPLETE IN PLACE	EA	1	\$1.00	\$1.00	\$250.00	\$250.00	\$500.00	\$500.00
13	CONTRACTOR TO REMOVE EXISTING BRICK PLUG AND CONNECT PROPOSED 48" STORM SEWER TO EXISTING 48" STORM SEWER, COMPLETE IN PLACE	EA	1	\$1.00	\$1.00	\$350.00	\$350.00	\$600.00	\$600.00
14	8" BRICK PLUG FOR STORM SEWER, ALL SIZES, COMPLETE IN PLACE	EA	1	\$161.00	\$161.00	\$150.00	\$150.00	\$300.00	\$300.00
15	DEWATERING FOR STORM SEWER CONSTRUCTION, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	100	\$0.01	\$1.00	\$30.00	\$3,000.00	\$25.00	\$2,500.00
16	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	100	\$0.01	\$1.00	\$15.00	\$1,500.00	\$15.00	\$1,500.00
17	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3250	\$2.00	\$6,500.00	\$3.00	\$9,750.00	\$2.00	\$6,500.00
18	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3250	\$0.10	\$325.00	\$1.05	\$3,412.50	\$1.25	\$4,062.50
DRAINAGE FACILITIES ITEMS - SECTION 20 SUBTOTAL:					\$347,038.00		\$353,279.25		\$377,986.50
DRAINAGE FACILITIES ITEMS - SECTION 21									
1	24-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1585	\$57.00	\$90,345.00	\$51.00	\$80,835.00	\$56.00	\$88,760.00
2	30-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	767	\$63.00	\$48,321.00	\$63.00	\$48,321.00	\$65.00	\$49,855.00
3	42-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	169	\$105.00	\$17,745.00	\$110.00	\$18,590.00	\$130.00	\$21,970.00
4	48-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	762	\$122.00	\$92,964.00	\$134.00	\$102,108.00	\$160.00	\$121,920.00
5	54-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	320	\$168.00	\$53,760.00	\$187.00	\$59,840.00	\$200.00	\$64,000.00
6	6'X3' REINFORCED CONCRETE BOX CULVERT, ASTM C-1577, ALL DEPTHS, INCLUDES NON-SHRINK GROUT ON ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	2	\$15.00	\$30.00	\$400.00	\$800.00	\$325.00	\$650.00
7	STAGE I - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	28	\$1,148.00	\$32,144.00	\$1,800.00	\$50,400.00	\$875.00	\$24,500.00
8	STAGE II - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	28	\$1,098.00	\$30,744.00	\$400.00	\$11,200.00	\$1,150.00	\$32,200.00
9	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	20	\$2,226.00	\$44,520.00	\$2,200.00	\$44,000.00	\$2,600.00	\$52,000.00

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 TO SERVE POMONA SECTIONS 20 & 21
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 39
 CITY OF MANVEL E.T.J., BRAZORIA COUNTY, TEXAS
 DECEMBER 18, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 18, 2020
 2149-4120 & 2149-4121 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) CLEARWATER UTILITIES, INC.		2) CROSTEX CONSTRUCTION INC.		3) HARRIS CONSTRUCTION COMPANY, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10	STANDARD TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	7	\$4,352.00	\$30,464.00	\$7,600.00	\$53,200.00	\$8,400.00	\$58,800.00
11	REINFORCED JUNCTION BOX WITH TYPE "C" MANHOLE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$10,000.00	\$10,000.00	\$7,400.00	\$7,400.00
12	EMERGENCY OVERLOW SWALE, 6' BOTTOM, 6:1 SIDE SLOPES, INCLUDES TURF REINFORCEMENT MAT (LANDLOK 300 OR APPROVED EQUAL), TOPSOIL AND SOD, COMPLETE IN PLACE	LF	381	\$0.01	\$3.81	\$60.00	\$22,860.00	\$40.00	\$15,240.00
13	DEWATERING FOR STORM SEWER CONSTRUCTION, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$0.01	\$1.00	\$30.00	\$3,000.00	\$25.00	\$2,500.00
14	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$0.01	\$1.00	\$15.00	\$1,500.00	\$15.00	\$1,500.00
15	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	4862	\$2.00	\$9,724.00	\$3.00	\$14,586.00	\$2.00	\$9,724.00
16	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3605	\$0.10	\$360.50	\$1.05	\$3,785.25	\$1.25	\$4,506.25
DRAINAGE FACILITIES ITEMS - SECTION 21 SUBTOTAL:					\$451,627.31		\$525,025.25		\$555,525.25
MISCELLANEOUS WS&D ITEMS									
1	EXTRA CEMENT STABILIZED SAND, (1.1 SACKS PER TON), (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL DEPTHS, COMPLETE IN PLACE	CY	100	\$0.01	\$1.00	\$20.00	\$2,000.00	\$60.00	\$6,000.00
2	CITY OF MANVEL PERMITTING FEE, COMPLETE IN PLACE	LS	1	\$27,500.00	\$27,500.00	\$30,787.90	\$30,787.90	\$35,000.00	\$35,000.00
MISCELLANEOUS WS&D ITEMS SUBTOTAL:					\$27,501.00		\$32,787.90		\$41,000.00
SWPPP ITEMS									
1	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, COMPLETE IN PLACE	LS	1	\$150.00	\$150.00	\$1,000.00	\$1,000.00	\$750.00	\$750.00
2	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE TRUCK WASHOUT PIT, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00
3	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION ENTRANCE, COMPLETE IN PLACE	EA	1	\$150.00	\$150.00	\$1,000.00	\$1,000.00	\$1,800.00	\$1,800.00
4	STAGE II INLET PROTECTION BARRIERS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	58	\$50.00	\$2,900.00	\$50.00	\$2,900.00	\$50.00	\$2,900.00
5	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	16466	\$0.01	\$164.66	\$1.50	\$24,699.00	\$1.40	\$23,052.40
SWPPP ITEMS SUBTOTAL:					\$3,464.66		\$31,099.00		\$29,502.40
PAVING ITEMS - SECTION 20									
1	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	8040	\$39.00	\$313,560.00	\$39.00	\$313,560.00	\$41.50	\$333,660.00
2	7" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	4878	\$44.00	\$214,632.00	\$43.25	\$210,973.50	\$46.00	\$224,388.00
3	8" LIME STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	8581	\$3.25	\$27,888.25	\$2.05	\$17,591.05	\$2.25	\$19,307.25

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 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 39
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 2149-4120 & 2149-4121 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) CLEARWATER UTILITIES, INC.		2) CROSTEX CONSTRUCTION INC.		3) HARRIS CONSTRUCTION COMPANY, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	10" LIME STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	5111	\$3.50	\$17,888.50	\$2.55	\$13,033.05	\$2.60	\$13,288.60
5	HYDRATED LIME FOR 8" STABILIZED SUBGRADE (7% LIME BY WEIGHT, 46 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	199	\$185.00	\$36,815.00	\$208.00	\$41,392.00	\$200.00	\$39,800.00
6	HYDRATED LIME FOR 10" STABILIZED SUBGRADE (7% LIME BY WEIGHT, 46 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	148	\$185.00	\$27,380.00	\$208.00	\$30,784.00	\$200.00	\$29,600.00
7	4" X 12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	4030	\$3.25	\$13,097.50	\$3.35	\$13,500.50	\$3.15	\$12,694.50
8	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	2660	\$3.25	\$8,645.00	\$3.35	\$8,911.00	\$3.15	\$8,379.00
9	COMPLETE LOT GRADING (61 LOTS, 2 RESERVES) AND FINAL DRESSING OF ALL AREAS, COMPLETE IN PLACE	LS	1	\$25,000.00	\$25,000.00	\$6,900.00	\$6,900.00	\$12,000.00	\$12,000.00
10	ROADWAY EXCAVATION TO BE USED FOR FILL TO FINAL GRADE WITHIN THE PROJECT LIMITS, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, HAUL, PLACEMENT AND COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	12000	\$3.75	\$45,000.00	\$2.95	\$35,400.00	\$3.00	\$36,000.00
11	CUSTOM POMONA TRAFFIC CONTROL SIGN AND POST IN ACCORDANCE WITH THE POMONA CUSTOM STREET SIGN DETAIL, INCLUDES STOP SIGNS, STREET NAME SIGNS WITH "NO OUTLET" IF NEEDED, DIRECTIONAL SIGNS WITH SUPPLEMENTS, ETC. (SIGNS AND POSTS TO BE PROVIDED BY ONE WAY STRIPINGS AND SIGNS), COMPLETE IN PLACE	EA	9	\$750.00	\$6,750.00	\$1,485.00	\$13,365.00	\$1,450.00	\$13,050.00
12	PERMANENT TRAFFIC CONTROL DEVICES FOR SECTION 20 (INCLUDES TRAFFIC BUTTONS, PAVEMENT STRIPING, ETC.), COMPLETE IN PLACE	LS	1	\$8,000.00	\$8,000.00	\$16,500.00	\$16,500.00	\$25,000.00	\$25,000.00
13	WHEELCHAIR RAMPS PER DETAIL IN THE CONSTRUCTION PLANS, COMPLETE IN PLACE	EA	18	\$1,500.00	\$27,000.00	\$955.00	\$17,190.00	\$1,050.00	\$18,900.00
14	STANDARD CONCRETE PAVING HEADER, COMPLETE IN PLACE	LF	121	\$10.00	\$1,210.00	\$16.00	\$1,936.00	\$15.00	\$1,815.00
15	INSTALL TYPE III BARRICADE, COMPLETE IN PLACE	EA	5	\$1,500.00	\$7,500.00	\$1,485.00	\$7,425.00	\$1,100.00	\$5,500.00
16	REMOVE AND DISPOSE OF EXISTING TYPE III BARRICADE, COMPLETE IN PLACE	EA	5	\$1.00	\$5.00	\$215.00	\$1,075.00	\$150.00	\$750.00
17	CONNECT PROPOSED 6" REINFORCED CONCRETE PAVEMENT TO EXISTING REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	LF	41	\$15.00	\$615.00	\$22.00	\$902.00	\$14.00	\$574.00
18	CONNECT PROPOSED 7" REINFORCED CONCRETE PAVEMENT TO EXISTING REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	LF	84	\$15.00	\$1,260.00	\$27.00	\$2,268.00	\$16.00	\$1,344.00
19	IRRIGATION SLEEVE, 4" PVC SCHEDULE 40, INCLUDES PVC END CAPS, COMPLETE IN PLACE	LF	162	\$20.00	\$3,240.00	\$15.00	\$2,430.00	\$16.00	\$2,592.00
20	IRRIGATION SLEEVE, 8" PVC SCHEDULE 40, INCLUDES PVC END CAPS, COMPLETE IN PLACE	LF	162	\$35.00	\$5,670.00	\$17.00	\$2,754.00	\$32.00	\$5,184.00
PAVING ITEMS - SECTION 20 SUBTOTAL:					\$791,156.25		\$757,890.10		\$803,826.35
PAVING ITEMS - SECTION 21									
1	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	7504	\$39.00	\$292,656.00	\$39.00	\$292,656.00	\$41.50	\$311,416.00
2	7" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	3001	\$44.00	\$132,044.00	\$43.25	\$129,793.25	\$46.00	\$138,046.00
3	8" LIME STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	8022	\$3.25	\$26,071.50	\$2.05	\$16,445.10	\$2.25	\$18,049.50
4	10" LIME STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	4479	\$3.50	\$15,676.50	\$2.55	\$11,421.45	\$2.60	\$11,645.40

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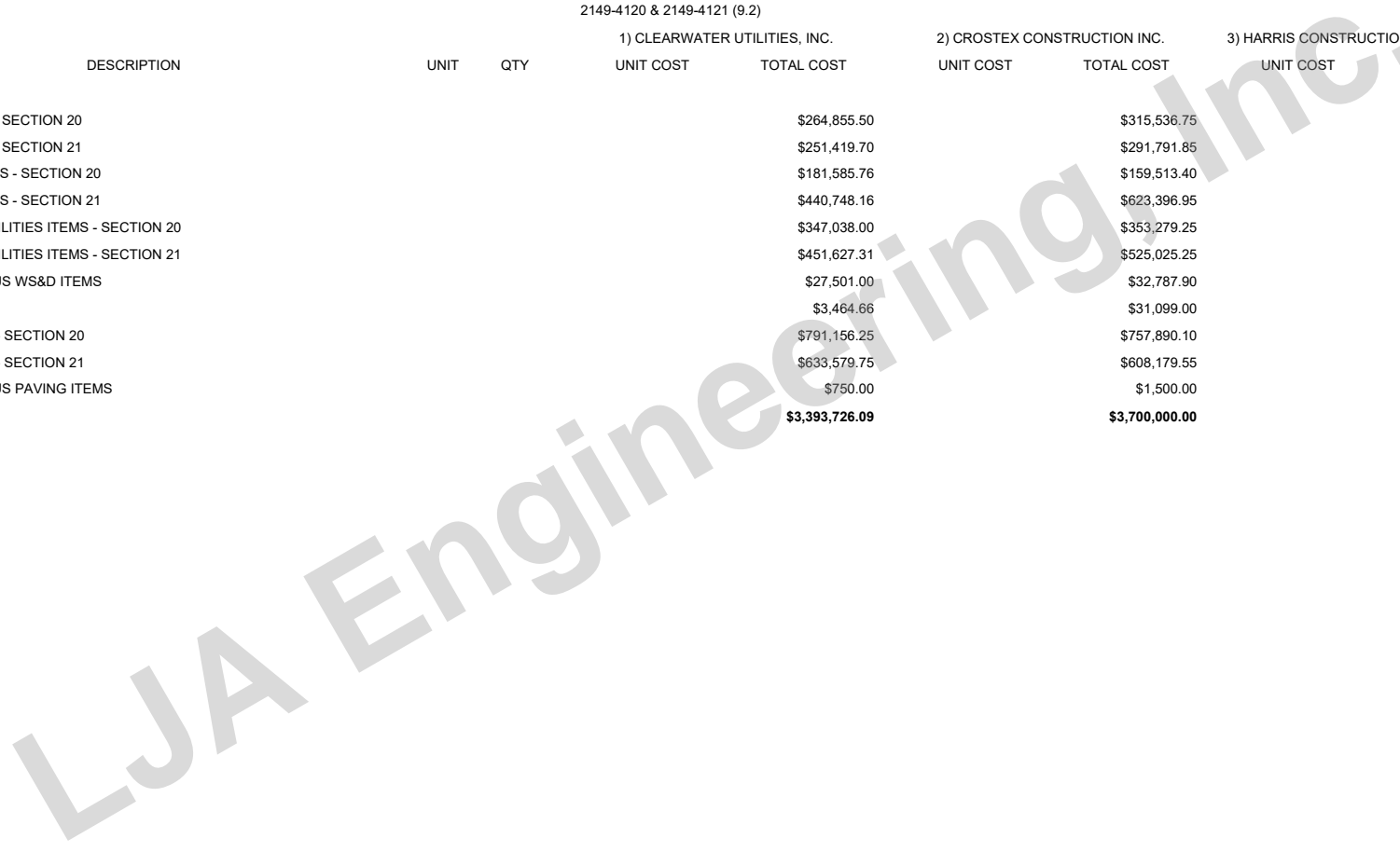
ITEM	DESCRIPTION	UNIT	QTY	1) CLEARWATER UTILITIES, INC.		2) CROSTEX CONSTRUCTION INC.		3) HARRIS CONSTRUCTION COMPANY, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5	HYDRATED LIME FOR 8" STABILIZED SUBGRADE (7% LIME BY WEIGHT, 46 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	186	\$185.00	\$34,410.00	\$208.00	\$38,688.00	\$200.00	\$37,200.00
6	HYDRATED LIME FOR 10" STABILIZED SUBGRADE (7% LIME BY WEIGHT, 46 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	130	\$185.00	\$24,050.00	\$208.00	\$27,040.00	\$200.00	\$26,000.00
7	4" X 12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	4479	\$3.25	\$14,556.75	\$3.35	\$15,004.65	\$3.15	\$14,108.85
8	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	1345	\$3.25	\$4,371.25	\$3.35	\$4,505.75	\$3.15	\$4,236.75
9	COMPLETE LOT GRADING (76 LOTS, 6 RESERVES) AND FINAL DRESSING OF ALL AREAS, COMPLETE IN PLACE	LS	1	\$25,000.00	\$25,000.00	\$9,100.00	\$9,100.00	\$20,000.00	\$20,000.00
10	ROADWAY EXCAVATION TO BE USED FOR FILL TO FINAL GRADE WITHIN THE PROJECT LIMITS, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, HAUL, PLACEMENT AND COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	6153	\$3.75	\$23,073.75	\$2.95	\$18,151.35	\$3.00	\$18,459.00
11	CUSTOM POMONA TRAFFIC CONTROL SIGN AND POST IN ACCORDANCE WITH THE POMONA CUSTOM STREET SIGN DETAIL, INCLUDES STOP SIGNS, STREET NAME SIGNS WITH "NO OUTLET" IF NEEDED, DIRECTIONAL SIGNS WITH SUPPLEMENTS, ETC. (SIGNS AND POSTS TO BE PROVIDED BY ONE WAY STRIPPINGS AND SIGNS), COMPLETE IN PLACE	EA	7	\$750.00	\$5,250.00	\$1,500.00	\$10,500.00	\$1,450.00	\$10,150.00
12	PERMANENT TRAFFIC CONTROL DEVICES FOR SECTION 21 (INCLUDES TRAFFIC BUTTONS, PAVEMENT STRIPING, ETC.), COMPLETE IN PLACE	LS	1	\$8,000.00	\$8,000.00	\$8,500.00	\$8,500.00	\$22,000.00	\$22,000.00
13	WHEELCHAIR RAMPS PER DETAIL IN THE CONSTRUCTION PLANS, COMPLETE IN PLACE	EA	12	\$1,500.00	\$18,000.00	\$955.00	\$11,460.00	\$1,050.00	\$12,600.00
14	INSTALL TYPE III BARRICADE, COMPLETE IN PLACE	EA	4	\$1,500.00	\$6,000.00	\$1,500.00	\$6,000.00	\$1,100.00	\$4,400.00
15	REMOVE AND DISPOSE OF EXISTING TYPE III BARRICADE, COMPLETE IN PLACE	EA	5	\$1.00	\$5.00	\$215.00	\$1,075.00	\$150.00	\$750.00
16	STANDARD CONCRETE PAVING HEADER, COMPLETE IN PLACE	LF	41	\$10.00	\$410.00	\$16.00	\$656.00	\$14.00	\$574.00
17	CONNECT PROPOSED 7" REINFORCED CONCRETE PAVEMENT TO EXISTING REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	LF	41	\$15.00	\$615.00	\$27.00	\$1,107.00	\$16.00	\$656.00
18	REMOVE AND DISPOSE OF EXISTING TRAFFIC CONTROL SIGN, COMPLETE IN PLACE	EA	4	\$250.00	\$1,000.00	\$215.00	\$860.00	\$250.00	\$1,000.00
19	HYDROMULCH SEEDING AND FINE GRADING OF DISTURBED AREAS WITHIN MAJOR THOROUGHFARE R.O.W., COMPLETE IN PLACE	AC	2	\$150.00	\$300.00	\$2,000.00	\$4,000.00	\$2,400.00	\$4,800.00
20	IRRIGATION SLEEVE, 4" PVC SCHEDULE 40, INCLUDES PVC END CAPS, COMPLETE IN PLACE	LF	38	\$20.00	\$760.00	\$15.00	\$570.00	\$16.00	\$608.00
21	IRRIGATION SLEEVE, 8" PVC SCHEDULE 40, INCLUDES PVC END CAPS, COMPLETE IN PLACE	LF	38	\$35.00	\$1,330.00	\$17.00	\$646.00	\$32.00	\$1,216.00
PAVING ITEMS - SECTION 21 SUBTOTAL:					\$633,579.75		\$608,179.55		\$657,915.50
MISCELLANEOUS PAVING ITEMS									
1	EXTRA SIGN, COMPLETE IN PLACE	EA	1	\$750.00	\$750.00	\$1,500.00	\$1,500.00	\$1,450.00	\$1,450.00
MISCELLANEOUS PAVING ITEMS SUBTOTAL:					\$750.00		\$1,500.00		\$1,450.00

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CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES AND PAVING AND APPURTENANCES
TO SERVE POMONA SECTIONS 20 & 21
BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 39
CITY OF MANVEL E.T.J., BRAZORIA COUNTY, TEXAS
DECEMBER 18, 2020
LJA ENGINEERING, INC.
C. DURHAM
DECEMBER 18, 2020
2149-4120 & 2149-4121 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) CLEARWATER UTILITIES, INC.		2) CROSTEX CONSTRUCTION INC.		3) HARRIS CONSTRUCTION COMPANY, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
BIDDING SUMMARY									
	SUBTOTAL WATER ITEMS - SECTION 20				\$264,855.50		\$315,536.75		\$335,989.00
	SUBTOTAL WATER ITEMS - SECTION 21				\$251,419.70		\$291,791.85		\$294,650.00
	SUBTOTAL SANITARY ITEMS - SECTION 20				\$181,585.76		\$159,513.40		\$183,978.00
	SUBTOTAL SANITARY ITEMS - SECTION 21				\$440,748.16		\$623,396.95		\$706,173.50
	SUBTOTAL DRAINAGE FACILITIES ITEMS - SECTION 20				\$347,038.00		\$353,279.25		\$377,986.50
	SUBTOTAL DRAINAGE FACILITIES ITEMS - SECTION 21				\$451,627.31		\$525,025.25		\$555,525.25
	SUBTOTAL MISCELLANEOUS WS&D ITEMS				\$27,501.00		\$32,787.90		\$41,000.00
	SUBTOTAL SWPPP ITEMS				\$3,464.66		\$31,099.00		\$29,502.40
	SUBTOTAL PAVING ITEMS - SECTION 20				\$791,156.25		\$757,890.10		\$803,826.35
	SUBTOTAL PAVING ITEMS - SECTION 21				\$633,579.75		\$608,179.55		\$657,915.50
	SUBTOTAL MISCELLANEOUS PAVING ITEMS				\$750.00		\$1,500.00		\$1,450.00
	TOTAL AMOUNT BASE BID				\$3,393,726.09		\$3,700,000.00		\$3,987,996.50



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 C. DURHAM
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TABULATION BY:
TABULATION DATE:
LJA JOB NO.

4) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
WATER ITEMS - SECTION 20					
1	8" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	489	\$22.00	\$10,758.00
2	8" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	60	\$32.00	\$1,920.00
3	12" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	1443	\$39.00	\$56,277.00
4	12" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	480	\$57.00	\$27,360.00
5	16" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	694	\$57.00	\$39,558.00
6	16" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	222	\$97.00	\$21,534.00
7	8" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	2	\$1,300.00	\$2,600.00
8	12" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	6	\$2,260.00	\$13,560.00
9	16" BUTTERFLY VALVE AND BOX, COMPLETE IN PLACE	EA	2	\$4,318.00	\$8,636.00
10	1" DIAMETER "NEAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	26	\$420.00	\$10,920.00
11	1" DIAMETER "FAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	36	\$1,620.00	\$58,320.00
12	8" WET CONNECTION, INCLUDES REMOVAL OF EXISTING FLUSHING VALVE AND REDUCER AND CONNECTION TO EXISTING 8" WATER LINE, COMPLETE IN PLACE	EA	3	\$390.00	\$1,170.00
13	16" WET CONNECTION, INCLUDES REMOVAL OF EXISTING FLUSHING VALVE AND REDUCER AND CONNECTION TO EXISTING 16" WATER LINE, COMPLETE IN PLACE	EA	1	\$940.00	\$940.00
14	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, GATE VALVE & BOX, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	11	\$4,818.00	\$52,998.00
15	END OF LINE FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES REDUCER, LEAD, APPROPRIATE TEE AND RESTRAINED JOINTS, COMPLETE IN PLACE	EA	3	\$3,670.00	\$11,010.00
16	P.V.C. CASING FOR 12" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	198	\$116.00	\$22,968.00
17	P.V.C. CASING FOR 16" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	62	\$153.00	\$9,486.00
18	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	1242	\$3.00	\$3,726.00

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 DECEMBER 18, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 18, 2020
 2149-4120 & 2149-4121 (9.2)

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4) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
19	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	6115	\$1.00	\$6,115.00
WATER ITEMS - SECTION 20 SUBTOTAL:					\$359,856.00
WATER ITEMS - SECTION 21					
1	8" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	2258	\$22.00	\$49,676.00
2	8" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	767	\$32.00	\$24,544.00
3	16" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	580	\$57.00	\$33,060.00
4	16" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	135	\$97.00	\$13,095.00
5	8" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	8	\$1,300.00	\$10,400.00
6	16" BUTTERFLY VALVE AND BOX, COMPLETE IN PLACE	EA	4	\$4,318.00	\$17,272.00
7	1" DIAMETER "NEAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	45	\$415.00	\$18,675.00
8	1" DIAMETER "FAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	32	\$1,615.00	\$51,680.00
9	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, GATE VALVE & BOX, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	10	\$4,676.00	\$46,760.00
10	END OF LINE FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES GATE VALVE & BOX, REDUCER, LEAD, APPROPRIATE TEE AND RESTRAINED JOINTS, COMPLETE IN PLACE	EA	7	\$3,845.00	\$26,915.00
11	P.V.C. CASING FOR 8" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	107	\$89.00	\$9,523.00
12	P.V.C. CASING FOR 16" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	70	\$149.00	\$10,430.00
13	8" WET CONNECTION, INCLUDES REMOVAL OF EXISTING FLUSHING VALVE AND REDUCER AND CONNECTION TO EXISTING 8" WATER LINE, COMPLETE IN PLACE	EA	3	\$390.00	\$1,170.00
14	16" WET CONNECTION, INCLUDES REMOVAL OF EXISTING FLUSHING VALVE AND REDUCER AND CONNECTION TO EXISTING 16" WATER LINE, COMPLETE IN PLACE	EA	1	\$940.00	\$940.00
15	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	907	\$3.00	\$2,721.00
16	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	6137	\$1.00	\$6,137.00

WATER ITEMS - SECTION 21 SUBTOTAL: **\$322,998.00**

SANITARY ITEMS - SECTION 20

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4) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1695	\$36.00	\$61,020.00
2	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	343	\$38.00	\$13,034.00
3	"LONG SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	768	\$58.50	\$44,928.00
4	"SHORT SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	19	\$825.00	\$15,675.00
5	PRECAST STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (0'-8' DEPTH), INCLUDES PROTECTIVE INTERIOR COATING, STAINLESS STEEL INFLOW PROTECTOR AND ADJUSTMENTS, COMPLETE IN PLACE	EA	12	\$3,050.00	\$36,600.00
6	EXTRA DEPTH FOR SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	22	\$104.00	\$2,288.00
7	REMOVE EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED 8" SANITARY SEWER TO EXISTING 8" SANITARY SEWER, COMPLETE IN PLACE	EA	3	\$116.00	\$348.00
8	DEWATERING, ALL SIZES AND DEPTHS, FOR SANITARY SEWER CONSTRUCTION (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	343	\$25.00	\$8,575.00
9	ADDITIONAL COST FOR SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	343	\$15.00	\$5,145.00
10	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	943	\$3.00	\$2,829.00
11	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3109	\$1.00	\$3,109.00

SANITARY ITEMS - SECTION 20 SUBTOTAL:**\$193,551.00****SANITARY ITEMS - SECTION 21**

1	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1128	\$37.00	\$41,736.00
2	10" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	109	\$38.75	\$4,223.75
3	10" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1487	\$40.00	\$59,480.00
4	15" P.V.C. SEWER PIPE, ASTM D-3034, SDR 26, 16'-20' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	121	\$61.50	\$7,441.50
5	18" P.V.C. SEWER PIPE, ASTM F-679, PS 115, 16'-20' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1378	\$76.25	\$105,072.50

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 CITY OF MANVEL E.T.J., BRAZORIA COUNTY, TEXAS
 DECEMBER 18, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 18, 2020
 2149-4120 & 2149-4121 (9.2)

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LJA JOB NO.

4) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
6	"LONG SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	1039	\$60.00	\$62,340.00
7	"SHORT SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	26	\$886.00	\$23,036.00
8	PRECAST STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (0'-8" DEPTH), INCLUDES PROTECTIVE INTERIOR COATING, STAINLESS STEEL INFLOW PROTECTOR AND ADJUSTMENTS, COMPLETE IN PLACE	EA	35	\$3,150.00	\$110,250.00
9	EXTRA DEPTH OF SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	224	\$104.00	\$23,296.00
10	REMOVE EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED 21" SANITARY SEWER TO EXISTING 21" SANITARY SEWER, COMPLETE IN PLACE	EA	1	\$200.00	\$200.00
11	DEWATERING, ALL SIZES AND DEPTHS, FOR SANITARY SEWER CONSTRUCTION (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	4223	\$25.00	\$105,575.00
12	ADDITIONAL COST FOR SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	4223	\$15.00	\$63,345.00
13	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	1665	\$3.00	\$4,995.00
14	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	5697	\$1.00	\$5,697.00
SANITARY ITEMS - SECTION 21 SUBTOTAL:					\$616,687.75
DRAINAGE FACILITIES ITEMS - SECTION 20					
1	24-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1649	\$66.00	\$108,834.00
2	30-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	718	\$83.00	\$59,594.00
3	36-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	453	\$109.00	\$49,377.00
4	42-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	397	\$138.00	\$54,786.00
5	48-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	33	\$164.00	\$5,412.00
6	STAGE I - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	26	\$1,735.00	\$45,110.00
7	STAGE II - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	26	\$1,655.00	\$43,030.00
8	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	23	\$3,565.00	\$81,995.00

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4) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
9	STANDARD TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$10,030.00	\$10,030.00
10	STANDARD MANHOLE WITH TYPE "E" INLET TOP FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$5,740.00	\$5,740.00
11	CONTRACTOR TO REMOVE EXISTING BRICK PLUG AND CONNECT PROPOSED 24" STORM SEWER TO EXISTING 24" STORM SEWER, COMPLETE IN PLACE	EA	1	\$1,370.00	\$1,370.00
12	CONTRACTOR TO REMOVE EXISTING BRICK PLUG AND CONNECT PROPOSED 42" STORM SEWER TO EXISTING 42" STORM SEWER, COMPLETE IN PLACE	EA	1	\$1,600.00	\$1,600.00
13	CONTRACTOR TO REMOVE EXISTING BRICK PLUG AND CONNECT PROPOSED 48" STORM SEWER TO EXISTING 48" STORM SEWER, COMPLETE IN PLACE	EA	1	\$1,650.00	\$1,650.00
14	8" BRICK PLUG FOR STORM SEWER, ALL SIZES, COMPLETE IN PLACE	EA	1	\$700.00	\$700.00
15	DEWATERING FOR STORM SEWER CONSTRUCTION, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	100	\$20.00	\$2,000.00
16	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	100	\$20.00	\$2,000.00
17	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3250	\$3.00	\$9,750.00
18	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3250	\$1.00	\$3,250.00

DRAINAGE FACILITIES ITEMS - SECTION 20 SUBTOTAL:**\$486,228.00****DRAINAGE FACILITIES ITEMS - SECTION 21**

1	24-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1585	\$66.00	\$104,610.00
2	30-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	767	\$83.00	\$63,661.00
3	42-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	169	\$138.00	\$23,322.00
4	48-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	762	\$164.00	\$124,968.00
5	54-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	320	\$222.00	\$71,040.00
6	6'X3' REINFORCED CONCRETE BOX CULVERT, ASTM C-1577, ALL DEPTHS, INCLUDES NON-SHRINK GROUT ON ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	2	\$424.00	\$848.00
7	STAGE I - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	28	\$1,735.00	\$48,580.00
8	STAGE II - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	28	\$1,655.00	\$46,340.00
9	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	20	\$3,985.00	\$79,700.00

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 DECEMBER 18, 2020
 2149-4120 & 2149-4121 (9.2)

BID OPENING DATE:
BID OPENING LOCATION:
TABULATION BY:
TABULATION DATE:
LJA JOB NO.

4) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
10	STANDARD TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	7	\$10,030.00	\$70,210.00
11	REINFORCED JUNCTION BOX WITH TYPE "C" MANHOLE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$7,500.00	\$7,500.00
12	EMERGENCY OVERLOW SWALE, 6' BOTTOM, 6:1 SIDE SLOPES, INCLUDES TURF REINFORCEMENT MAT (LANDLOK 300 OR APPROVED EQUAL), TOPSOIL AND SOD, COMPLETE IN PLACE	LF	381	\$62.00	\$23,622.00
13	DEWATERING FOR STORM SEWER CONSTRUCTION, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00
14	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00
15	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	4862	\$3.00	\$14,586.00
16	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3605	\$1.00	\$3,605.00

DRAINAGE FACILITIES ITEMS - SECTION 21 SUBTOTAL:**\$686,592.00****MISCELLANEOUS WS&D ITEMS**

1	EXTRA CEMENT STABILIZED SAND, (1.1 SACKS PER TON), (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL DEPTHS, COMPLETE IN PLACE	CY	100	\$34.00	\$3,400.00
2	CITY OF MANVEL PERMITTING FEE, COMPLETE IN PLACE	LS	1	\$26,700.00	\$26,700.00

MISCELLANEOUS WS&D ITEMS SUBTOTAL:**\$30,100.00****SWPPP ITEMS**

1	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, COMPLETE IN PLACE	LS	1	\$1,200.00	\$1,200.00
2	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE TRUCK WASHOUT PIT, COMPLETE IN PLACE	EA	1	\$900.00	\$900.00
3	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION ENTRANCE, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00
4	STAGE II INLET PROTECTION BARRIERS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	58	\$75.00	\$4,350.00
5	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	16466	\$1.25	\$20,582.50

SWPPP ITEMS SUBTOTAL:**\$30,532.50****PAVING ITEMS - SECTION 20**

1	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	8040	\$41.00	\$329,640.00
2	7" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	4878	\$44.50	\$217,071.00
3	8" LIME STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	8581	\$3.50	\$30,033.50

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CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES AND PAVING AND APPURTENANCES
 TO SERVE POMONA SECTIONS 20 & 21
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 39
 CITY OF MANVEL E.T.J., BRAZORIA COUNTY, TEXAS
 DECEMBER 18, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 18, 2020
 2149-4120 & 2149-4121 (9.2)

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ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
4	10" LIME STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	5111	\$3.70	\$18,910.70
5	HYDRATED LIME FOR 8" STABILIZED SUBGRADE (7% LIME BY WEIGHT, 46 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	199	\$178.00	\$35,422.00
6	HYDRATED LIME FOR 10" STABILIZED SUBGRADE (7% LIME BY WEIGHT, 46 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	148	\$178.00	\$26,344.00
7	4" X 12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	4030	\$3.90	\$15,717.00
8	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	2660	\$3.90	\$10,374.00
9	COMPLETE LOT GRADING (61 LOTS, 2 RESERVES) AND FINAL DRESSING OF ALL AREAS, COMPLETE IN PLACE	LS	1	\$15,450.00	\$15,450.00
10	ROADWAY EXCAVATION TO BE USED FOR FILL TO FINAL GRADE WITHIN THE PROJECT LIMITS, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, HAUL, PLACEMENT AND COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	12000	\$3.25	\$39,000.00
11	CUSTOM POMONA TRAFFIC CONTROL SIGN AND POST IN ACCORDANCE WITH THE POMONA CUSTOM STREET SIGN DETAIL, INCLUDES STOP SIGNS, STREET NAME SIGNS WITH "NO OUTLET" IF NEEDED, DIRECTIONAL SIGNS WITH SUPPLEMENTS, ETC. (SIGNS AND POSTS TO BE PROVIDED BY ONE WAY STRIPINGS AND SIGNS), COMPLETE IN PLACE	EA	9	\$352.00	\$3,168.00
12	PERMANENT TRAFFIC CONTROL DEVICES FOR SECTION 20 (INCLUDES TRAFFIC BUTTONS, PAVEMENT STRIPING, ETC.), COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00
13	WHEELCHAIR RAMPS PER DETAIL IN THE CONSTRUCTION PLANS, COMPLETE IN PLACE	EA	18	\$1,275.00	\$22,950.00
14	STANDARD CONCRETE PAVING HEADER, COMPLETE IN PLACE	LF	121	\$14.50	\$1,754.50
15	INSTALL TYPE III BARRICADE, COMPLETE IN PLACE	EA	5	\$740.00	\$3,700.00
16	REMOVE AND DISPOSE OF EXISTING TYPE III BARRICADE, COMPLETE IN PLACE	EA	5	\$175.00	\$875.00
17	CONNECT PROPOSED 6" REINFORCED CONCRETE PAVEMENT TO EXISTING REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	LF	41	\$11.00	\$451.00
18	CONNECT PROPOSED 7" REINFORCED CONCRETE PAVEMENT TO EXISTING REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	LF	84	\$11.00	\$924.00
19	IRRIGATION SLEEVE, 4" PVC SCHEDULE 40, INCLUDES PVC END CAPS, COMPLETE IN PLACE	LF	162	\$16.00	\$2,592.00
20	IRRIGATION SLEEVE, 8" PVC SCHEDULE 40, INCLUDES PVC END CAPS, COMPLETE IN PLACE	LF	162	\$27.00	\$4,374.00

PAVING ITEMS - SECTION 20 SUBTOTAL:**\$781,750.70****PAVING ITEMS - SECTION 21**

1	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	7504	\$41.00	\$307,664.00
2	7" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	3001	\$44.50	\$133,544.50
3	8" LIME STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	8022	\$3.50	\$28,077.00
4	10" LIME STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	4479	\$3.70	\$16,572.30

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 CITY OF MANVEL E.T.J., BRAZORIA COUNTY, TEXAS
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4) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
5	HYDRATED LIME FOR 8" STABILIZED SUBGRADE (7% LIME BY WEIGHT, 46 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	186	\$178.00	\$33,108.00
6	HYDRATED LIME FOR 10" STABILIZED SUBGRADE (7% LIME BY WEIGHT, 46 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	130	\$178.00	\$23,140.00
7	4" X 12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	4479	\$3.90	\$17,468.10
8	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	1345	\$3.90	\$5,245.50
9	COMPLETE LOT GRADING (76 LOTS, 6 RESERVES) AND FINAL DRESSING OF ALL AREAS, COMPLETE IN PLACE	LS	1	\$19,250.00	\$19,250.00
10	ROADWAY EXCAVATION TO BE USED FOR FILL TO FINAL GRADE WITHIN THE PROJECT LIMITS, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, HAUL, PLACEMENT AND COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	6153	\$3.25	\$19,997.25
11	CUSTOM POMONA TRAFFIC CONTROL SIGN AND POST IN ACCORDANCE WITH THE POMONA CUSTOM STREET SIGN DETAIL, INCLUDES STOP SIGNS, STREET NAME SIGNS WITH "NO OUTLET" IF NEEDED, DIRECTIONAL SIGNS WITH SUPPLEMENTS, ETC. (SIGNS AND POSTS TO BE PROVIDED BY ONE WAY STRIPPINGS AND SIGNS), COMPLETE IN PLACE	EA	7	\$372.00	\$2,604.00
12	PERMANENT TRAFFIC CONTROL DEVICES FOR SECTION 21 (INCLUDES TRAFFIC BUTTONS, PAVEMENT STRIPING, ETC.), COMPLETE IN PLACE	LS	1	\$2,300.00	\$2,300.00
13	WHEELCHAIR RAMPS PER DETAIL IN THE CONSTRUCTION PLANS, COMPLETE IN PLACE	EA	12	\$1,275.00	\$15,300.00
14	INSTALL TYPE III BARRICADE, COMPLETE IN PLACE	EA	4	\$740.00	\$2,960.00
15	REMOVE AND DISPOSE OF EXISTING TYPE III BARRICADE, COMPLETE IN PLACE	EA	5	\$175.00	\$875.00
16	STANDARD CONCRETE PAVING HEADER, COMPLETE IN PLACE	LF	41	\$14.50	\$594.50
17	CONNECT PROPOSED 7" REINFORCED CONCRETE PAVEMENT TO EXISTING REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	LF	41	\$11.00	\$451.00
18	REMOVE AND DISPOSE OF EXISTING TRAFFIC CONTROL SIGN, COMPLETE IN PLACE	EA	4	\$55.00	\$220.00
19	HYDROMULCH SEEDING AND FINE GRADING OF DISTURBED AREAS WITHIN MAJOR THOROUGHFARE R.O.W., COMPLETE IN PLACE	AC	2	\$1,850.00	\$3,700.00
20	IRRIGATION SLEEVE, 4" PVC SCHEDULE 40, INCLUDES PVC END CAPS, COMPLETE IN PLACE	LF	38	\$16.00	\$608.00
21	IRRIGATION SLEEVE, 8" PVC SCHEDULE 40, INCLUDES PVC END CAPS, COMPLETE IN PLACE	LF	38	\$27.00	\$1,026.00
PAVING ITEMS - SECTION 21 SUBTOTAL:					\$634,705.15
MISCELLANEOUS PAVING ITEMS					
1	EXTRA SIGN, COMPLETE IN PLACE	EA	1	\$372.00	\$372.00
MISCELLANEOUS PAVING ITEMS SUBTOTAL:					\$372.00

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ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
BIDDING SUMMARY					
	SUBTOTAL WATER ITEMS - SECTION 20				\$359,856.00
	SUBTOTAL WATER ITEMS - SECTION 21				\$322,998.00
	SUBTOTAL SANITARY ITEMS - SECTION 20				\$193,551.00
	SUBTOTAL SANITARY ITEMS - SECTION 21				\$616,687.75
	SUBTOTAL DRAINAGE FACILITIES ITEMS - SECTION 20				\$486,228.00
	SUBTOTAL DRAINAGE FACILITIES ITEMS - SECTION 21				\$686,592.00
	SUBTOTAL MISCELLANEOUS WS&D ITEMS				\$30,100.00
	SUBTOTAL SWPPP ITEMS				\$30,532.50
	SUBTOTAL PAVING ITEMS - SECTION 20				\$781,750.70
	SUBTOTAL PAVING ITEMS - SECTION 21				\$634,705.15
	SUBTOTAL MISCELLANEOUS PAVING ITEMS				\$372.00
	TOTAL AMOUNT BASE BID				\$4,143,373.10

LJA Engineering, Inc.