

BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES  
& PAVING AND APPURTENANCES TO SERVE GRAND CENTRAL PARK SECTION 23  
CONROE MUNICIPAL MANAGEMENT DISTRICT NO. 1  
CITY OF CONROE, MONTGOMERY COUNTY, TEXAS  
MARCH 18, 2021  
LJA ENGINEERING, INC.  
D. FORREST  
MARCH 18, 2021  
2274-0023B&C (9.2)

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

BIDDER'S NAME	TOTAL AMOUNT BID	BID INCLUDING ALTERNATE BID ITEMS
1) R CONSTRUCTION CIVIL	\$584,580.50	\$581,280.50
2) CROSTEX CONSTRUCTION INC.	\$675,000.00	\$673,109.20
3) CE BARKER, LTD	\$694,727.66	\$694,825.07
4) TRIPLE B SERVICES, LLP	\$735,000.00	\$739,670.00

CALENDAR DAYS - 45/60

  
I, Edmund D. Rucker, P.E., hereby certify these bid tabulations to be true and correct.



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ITEM	DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL		2) CROSTEX CONSTRUCTION INC.		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>WATER SYSTEM ITEMS</b>									
1	8" PVC WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	643	\$24.00	\$15,432.00	\$22.50	\$14,467.50	\$23.82	\$15,316.26
2	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1854	\$0.10	\$185.40	\$0.05	\$92.70	\$0.15	\$278.10
3	FLUSHING VALVE ASSEMBLY, ALL DEPTHS, INCLUDING APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD AND FIRE HYDRANT, COMPLETE IN PLACE	EA	4	\$4,300.00	\$17,200.00	\$4,125.00	\$16,500.00	\$5,528.33	\$22,113.32
4	INSTALLATION OF 1" SINGLE OR DOUBLE "SHORT SIDE" WATER SERVICE CONNECTION (PER CITY OF CONROE STANDARD DETAILS), INCLUDING ALL FITTINGS, HARDWARE, METER BOX, COMPLETE IN PLACE	EA	10	\$500.00	\$5,000.00	\$625.00	\$6,250.00	\$603.48	\$6,034.80
5	INSTALLATION OF 1" DOUBLE OR SINGLE "LONG SIDE" WATER SERVICE CONNECTION (PER CITY OF CONROE STANDARD DETAILS), INCLUDING ALL FITTINGS, HARDWARE, METER BOX, AND TRENCH SAFETY, COMPLETE IN PLACE	LF	482	\$22.00	\$10,604.00	\$19.50	\$9,399.00	\$24.14	\$11,635.48
6	8" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	8	\$1,200.00	\$9,600.00	\$1,150.00	\$9,200.00	\$1,490.40	\$11,923.20
7	DUCTILE IRON FITTINGS, COMPLETE IN PLACE	TON	1.6	\$4,000.00	\$6,400.00	\$4,000.00	\$6,400.00	\$6,643.72	\$10,629.95
8	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 14, CLASS 305, INCLUDES RESTRAINED JOINT FITTINGS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	729	\$35.00	\$25,515.00	\$28.00	\$20,412.00	\$45.90	\$33,461.10
9	REMOVE AND DISPOSE OF EXISTING 8" PLUG AND CLAMP AND CONNECT PROPOSED 8" WATER PIPE TO EXISTING 8" WATER PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$200.00	\$800.00	\$350.00	\$1,400.00	\$783.40	\$3,133.60
<b>WATER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$90,736.40</b>		<b>\$84,121.20</b>		<b>\$114,525.81</b>
<b>SANITARY SEWER ITEMS</b>									
1	8" PVC SANITARY SEWER PIPE, ASTM D-2241, SDR 26, 0' - 8' DEPTH, COMPLETE IN PLACE	LF	334	\$30.00	\$10,020.00	\$27.00	\$9,018.00	\$44.67	\$14,919.78
2	8" PVC SANITARY SEWER PIPE, ASTM D-2241, SDR 26, 12' - 16' DEPTH, COMPLETE IN PLACE	LF	613	\$30.00	\$18,390.00	\$33.00	\$20,229.00	\$44.67	\$27,382.71
3	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1854	\$0.10	\$185.40	\$0.10	\$185.40	\$0.15	\$278.10
4	DEWATERING PER LF OF PIPE (NO SEPARATE PAY FOR DOUBLE ROW IF NEEDED), (ALL DEPTHS, THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	953	\$25.00	\$23,825.00	\$25.00	\$23,825.00	\$25.00	\$23,825.00
5	STANDARD SANITARY SEWER MANHOLE WITH CITY OF CONROE APPROVED EPOXY COATING FOR 6" - 24" 8' SANITARY SEWER PIPES, (0' - 10' DEPTH), INCLUDING INFLOW PROTECTOR AND RAMNEK AT ALL JOINTS, COMPLETE IN PLACE	EA	2	\$3,200.00	\$6,400.00	\$4,500.00	\$9,000.00	\$3,642.17	\$7,284.34
6	STANDARD 5' DIAMETER SANITARY SEWER MANHOLE WITH CITY OF CONROE APPROVED EPOXY COATING FOR 6" - 24" SANITARY SEWER PIPES FOLLOWING FINAL ADJUSTMENTS, (OVER 10' DEPTH), INCLUDING INFLOW PROTECTOR AND RAMNEK AT ALL JOINTS, COMPLETE IN PLACE	EA	3	\$5,700.00	\$17,100.00	\$6,875.00	\$20,625.00	\$4,950.06	\$14,850.18
7	EXTRA DEPTH OF SANITARY SEWER MANHOLES WITH CITY OF CONROE APPROVED EPOXY COATING, FOR 5' DIAMETER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	18	\$350.00	\$6,300.00	\$485.00	\$8,730.00	\$306.94	\$5,524.92
8	FINAL ADJUSTMENTS TO SANITARY MANHOLES, COMPLETE IN PLACE	EA	5	\$1.00	\$5.00	\$125.00	\$625.00	\$0.01	\$0.05

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ITEM	DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL		2) CROSTEX CONSTRUCTION INC.		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9	EXTRA CEMENT STABILIZED SAND BACKFILL, (2 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	CY	100	\$12.00	\$1,200.00	\$16.00	\$1,600.00	\$12.00	\$1,200.00
10	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, CEMENT STABILIZED BACKFILL, DROP AND RISER, STACK, WYE, PLUG MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	9	\$1,000.00	\$9,000.00	\$1,000.00	\$9,000.00	\$851.77	\$7,665.93
11	"LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, CEMENT STABILIZED BACKFILL, DROP AND RISER, STACK, WYE, PLUG MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	257	\$43.00	\$11,051.00	\$33.75	\$8,673.75	\$62.09	\$15,957.13
12	STANDARD SANITARY SEWER DROP STRUCTURE ON MANHOLE (0' - 2.0' DEPTH), COMPLETE IN PLACE	EA	2	\$600.00	\$1,200.00	\$450.00	\$900.00	\$1,041.47	\$2,082.94
13	EXTRA DEPTH SANITARY SEWER DROP STRUCTURE ON MANHOLE, (OVER 2' OF DEPTH), COMPLETE IN PLACE	VF	9.76	\$40.00	\$390.40	\$45.00	\$439.20	\$50.84	\$496.20
14	CLEAN OUT FOR SANITARY SEWER LEAD, SEE CITY OF CONROE DETAIL SWR-18, SHEET 35, COMPLETE IN PLACE	EA	16	\$400.00	\$6,400.00	\$475.00	\$7,600.00	\$764.39	\$12,230.24
15	REMOVE EXISTING 8" SANITARY PLUG AND CONNECT TO PROPOSED SANITARY PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$200.00	\$400.00	\$650.00	\$1,300.00	\$840.86	\$1,681.72
16	8" SANITARY SEWER PLUG, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$100.00	\$100.00	\$200.40	\$200.40
17	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00
<b>SANITARY SEWER ITEMS SUBTOTAL:</b>					<b>\$119,466.80</b>		<b>\$129,350.35</b>		<b>\$143,079.64</b>
<b>DRAINAGE FACILITIES ITEMS</b>									
1	24" RCP STORM SEWER, ASTM C-76, CLASS III ALL DEPTHS, COMPLETE IN PLACE	LF	264	\$70.00	\$18,480.00	\$58.50	\$15,444.00	\$80.84	\$21,341.76
2	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	49	\$125.00	\$6,125.00	\$103.25	\$5,059.25	\$127.42	\$6,243.58
3	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	313	\$0.10	\$31.30	\$0.05	\$15.65	\$0.15	\$46.95
4	DEWATERING PER LF OF PIPE (NO SEPARATE PAY FOR DOUBLE ROW IF NEEDED), ALL SIZES, ALL DEPTHS, (THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	150	\$25.00	\$3,750.00	\$25.00	\$3,750.00	\$25.00	\$3,750.00
5	STANDARD TYPE "C" STORM SEWER MANHOLE FOR 24"-72" STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$4,800.00	\$4,800.00	\$3,200.00	\$3,200.00	\$3,694.95	\$3,694.95
6	STAGE I STANDARD PRECAST INLET TYPE "C" (5'), ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$1,700.00	\$13,600.00	\$3,000.00	\$24,000.00	\$1,425.20	\$11,401.80
7	STAGE II STANDARD PRECAST INLET TYPE "C" (5'), ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$1,800.00	\$14,400.00	\$1,250.00	\$10,000.00	\$1,307.90	\$10,463.20
8	STAGE I STANDARD PRECAST INLET TYPE "C-1" (10 FOOT), ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00	\$3,500.00	\$7,000.00	\$1,425.20	\$2,850.40
9	STAGE II STANDARD PRECAST INLET TYPE "C-1" (10 FOOT), ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$2,700.00	\$5,400.00	\$1,250.00	\$2,500.00	\$1,542.50	\$3,085.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10	REMOVE AND DISPOSE OF EXISTING BRICK PLUG AND 10 LF OF EXISTING STORM SEWER AND CONNECT PROPOSED 24" STORM SEWER TO EXISTING STORM JUNCTION BOX D-11, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$800.00	\$800.00	\$1,500.00	\$1,500.00	\$2,521.95	\$2,521.95
11	STAGE I STNADRAD PRECAST INLET TYPE "C-2" (15 FOOT), ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,800.00	\$1,800.00	\$4,000.00	\$4,000.00	\$2,011.70	\$2,011.70
12	STAGE II STNADRAD PRECAST INLET TYPE "C-2" (15 FOOT), ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,600.00	\$3,600.00	\$1,250.00	\$1,250.00	\$1,894.40	\$1,894.40
13	REMOVE AND DISPOSE EXISTING BRICK PLUG AND CONNECT TO PROPOSED INLET, ALL DEPTHS AND SIZES, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$1,250.00	\$2,500.00	\$1,143.68	\$2,287.36
<b>DRAINAGE FACILITIES ITEMS SUBTOTAL:</b>					<b>\$77,786.30</b>		<b>\$80,218.90</b>		<b>\$71,592.85</b>
<b>MISCELLANEOUS ITEMS (WS&amp;D)</b>									
1	EXTRA CEMENT STABILIZED SAND (2 SACKS PER TON) (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$12.00	\$1,200.00	\$12.00	\$1,200.00	\$12.00	\$1,200.00
2	STANDARD DEDUCT FOR DAMAGE TO AREAS MARKED FOR PRESERVATION, COMPLETE IN PLACE	AC	0	-\$1,000.00	\$0.00	-\$1,000.00	\$0.00	-\$1,000.00	\$0.00
3	REMOVE AND DISPOSE OF EXISTING TREE UP TO 18" DIAMETER, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00
4	REMOVE AND DISPOSE OF EXISTING TREE OVER 18" DIAMETER, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
5	INSTALLATION AND REMOVAL OF REINFORCE FILTER FABRIC FENCE SWMHCA SPECIFICATION NO. 4311, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.25	\$125.00	\$2.00	\$200.00	\$1.28	\$128.00
6	INLET PROTECTION BARRIERS, SWMHCA SPECIFICATION NO. 4511, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	19	\$50.00	\$950.00	\$50.00	\$950.00	\$62.17	\$1,181.23
7	METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR FOR WS&D, COMPLETE IN PLACE	LS	1	\$7,000.00	\$7,000.00	\$4,474.15	\$4,474.15	\$11,437.92	\$11,437.92
8	HAUL, SPREAD AND COMPACT (TO 95% STANDARD PROCTOR DENSITY) UTILITY SPOILS, IN ACCORDANCE WITH THE GRADING PLAN (SHEET 8 OF 30), INCLUDES ANY STRIPPING, DEWATERING, DEMUCKING NECESSARY TO PREPARE SITE FOR FILL PLACEMENT, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	500	\$3.00	\$1,500.00	\$2.00	\$1,000.00	\$2.50	\$1,250.00
<b>MISCELLANEOUS ITEMS (WS&amp;D) SUBTOTAL:</b>					<b>\$12,275.00</b>		<b>\$9,324.15</b>		<b>\$16,697.15</b>
<b>PAVING AND APPURTENANCES ITEMS</b>									
1	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	3808	\$43.00	\$163,744.00	\$51.85	\$197,444.80	\$49.12	\$187,048.96
2	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	1296	\$3.50	\$4,536.00	\$3.80	\$4,924.80	\$3.97	\$5,145.12
3	4" X 12" MOUNTABLE REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	1194	\$3.50	\$4,179.00	\$3.80	\$4,537.20	\$3.97	\$4,740.18
4	6" CEMENT STABILIZED SUBGRADE MANIPULATION, AT LEAST 40 LBS/SY, ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	4076	\$4.00	\$16,304.00	\$4.35	\$17,730.60	\$4.25	\$17,323.00
5	CEMENT FOR SUBGRADE STABILIZATION (8% CEMENT BY WEIGHT, 40 LBS/SY, PER 6" DEPTH), AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY ENGINEER, COMPLETE IN PLACE	TON	82	\$190.00	\$15,580.00	\$206.00	\$16,892.00	\$199.56	\$16,363.92

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6	ROADWAY EXCAVATION, INCLUDES HAUL, PLACEMENT AND COMPACTION AS LOT FILL, TO BE HAULED OFFSITE USING ON-ROAD TRUCKS, MAXIMUM HAUL DISTANCE NOT TO EXCEED 2 MILES, ROUND TRIP, INCLUDES ANY STRIPPING, DEWATERING, DEMUCKING NECESSARY TO PREPARE SITE FOR FILL PLACEMENT, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	4000	\$9.00	\$36,000.00	\$13.00	\$52,000.00	\$16.58	\$66,320.00
7	PERMANENT TRAFFIC CONTROL DEVICES, INCLUDING TRAFFIC BUTTONS, PAVEMENT STRIPING, LANE MARKERS, REFLECTIVE PAINT ON MEDIAN NOSES, STOP SIGNS, STREET SIGNS, AND ALL OTHER TRAFFIC SIGNS SHOWN IN PLANS, ETC., COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00	\$6,700.00	\$6,700.00	\$3,284.55	\$3,284.55
8	4" SQUARE DOUBLE REFLECTORIZED BLUE TRAFFIC BUTTONS FOR FIRE HYDRANT LOCATION, COMPLETE IN PLACE	EA	4	\$10.00	\$40.00	\$11.00	\$44.00	\$10.71	\$42.84
9	REMOVE AND DISPOSE OF TYPE III BARRICADE, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	3	\$1.00	\$3.00	\$216.00	\$648.00	\$234.75	\$704.25
10	FINAL SITE GRADING, COMPLETE IN PLACE	LS	1	\$6,000.00	\$6,000.00	\$5,400.00	\$5,400.00	\$4,222.95	\$4,222.95
11	REMOVE AND DISPOSE OF EXISTING 6" LIME STONE TEMPORARY TURN AROUND, AS SPECIFIED BY THE ENGINEER, COMPLETE IN PLACE	SY	760	\$8.00	\$6,080.00	\$7.60	\$5,776.00	\$5.72	\$4,347.20
12	TIE INTO EXISTING PAVEMENT, COMPLETE IN PLACE	LF	72	\$25.00	\$1,800.00	\$34.00	\$2,448.00	\$23.61	\$1,699.92
<b>PAVING AND APPURTENANCES ITEMS SUBTOTAL:</b>					<b>\$257,266.00</b>		<b>\$314,545.40</b>		<b>\$311,242.89</b>
<b>MISCELLANEOUS ITEMS (PAVING)</b>									
1	METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR, FOR PAVING, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00	\$2,200.00	\$2,200.00	\$2,932.65	\$2,932.65
2	4" SCHEDULE 40 PVC IRRIGATION SLEEVES, COMPLETE IN PLACE	LF	50	\$20.00	\$1,000.00	\$18.00	\$900.00	\$21.27	\$1,063.50
3	6" SCHEDULE 40 PVC IRRIGATION SLEEVES, COMPLETE IN PLACE	LF	50	\$25.00	\$1,250.00	\$20.00	\$1,000.00	\$23.61	\$1,180.50
4	CITY OF CONROE SUBDIVISION BOND, TO BE PROVIDED ON STANDARD CITY OF CONROE FORM, (TOTAL BOND AMOUNT \$275,100.00), COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00	\$6,100.00	\$6,100.00	\$7,040.50	\$7,040.50
5	INSTALLATION OF PERMANENT SPEED LIMIT SIGNS, INCLUDES SIGN AND SIGN POLE (PER DETAILS ON SHEET 23 OF 30), AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	35	\$400.00	\$14,000.00	\$1,300.00	\$45,500.00	\$674.63	\$23,612.05
6	REMOVE AND REPLACE SPEED LIMIT SIGN ON EXISTING SIGN POLE, INCLUDES SIGN ONLY, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	4	\$200.00	\$800.00	\$435.00	\$1,740.00	\$440.03	\$1,760.12
<b>MISCELLANEOUS ITEMS (PAVING) SUBTOTAL:</b>					<b>\$27,050.00</b>		<b>\$57,440.00</b>		<b>\$37,589.32</b>
<b>ALTERNATE BID ITEMS</b>									
1	6" LIME-FLYASH STABILIZED SUBGRADE MANIPULATIONS, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY, IN LIEU OF PAVING AND APPURTENANCES ITEM NO. 4, COMPLETE IN PLACE	SY	4076	\$4.00	\$16,304.00	\$4.35	\$17,730.60	\$4.25	\$17,323.00
2	LIME FOR SUBGRADE STABILIZATION (2% LIME BY WEIGHT, 10 LBS/SY, PER 6" DEPTH), AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY THE ENGINEER, IN LIEU OF PAVING AND APPURTENANCES ITEM NO. 5, COMPLETE IN PLACE	TON	20.4	\$200.00	\$4,080.00	\$253.00	\$5,161.20	\$264.08	\$5,387.23
3	FLYASH FOR SUBGRADE STABILIZATION (8% FLYASH BY WEIGHT, 40 LBS/SY, PER 6" DEPTH), AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY THE ENGINEER, IN LIEU OF PAVING AND APPURTENANCES ITEM NO. 5, COMPLETE IN PLACE	TON	82	\$100.00	\$8,200.00	\$120.00	\$9,840.00	\$135.05	\$11,074.10
<b>ALTERNATE BID ITEMS SUBTOTAL:</b>					<b>\$28,584.00</b>		<b>\$32,731.80</b>		<b>\$33,784.33</b>

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**LJA JOB NO.**

CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES  
 & PAVING AND APPURTENANCES TO SERVE GRAND CENTRAL PARK SECTION 23  
 CONROE MUNICIPAL MANAGEMENT DISTRICT NO. 1  
 CITY OF CONROE, MONTGOMERY COUNTY, TEXAS  
 MARCH 18, 2021  
 LJA ENGINEERING, INC.  
 D. FORREST  
 MARCH 18, 2021  
 2274-0023B&C (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL		2) CROSTEX CONSTRUCTION INC.		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b><u>BIDDING SUMMARY</u></b>									
	SUBTOTAL WATER SYSTEM ITEMS				\$90,736.40		\$84,121.20		\$114,525.81
	SUBTOTAL SANITARY SEWER ITEMS				\$119,466.80		\$129,350.35		\$143,079.64
	SUBTOTAL DRAINAGE FACILITIES ITEMS				\$77,786.30		\$80,218.90		\$71,592.85
	SUBTOTAL MISCELLANEOUS ITEMS (WS&D)				\$12,275.00		\$9,324.15		\$16,697.15
	SUBTOTAL PAVING AND APPURTENANCES ITEMS				\$257,266.00		\$314,545.40		\$311,242.89
	SUBTOTAL MISCELLANEOUS ITEMS (PAVING)				\$27,050.00		\$57,440.00		\$37,589.32
	<b>TOTAL AMOUNT BASE BID</b>				<b>\$584,580.50</b>		<b>\$675,000.00</b>		<b>\$694,727.66</b>
<b><u>ALTERNATE BID ITEMS</u></b>									
	TOTAL AMOUNT BASE BID				\$584,580.50		\$675,000.00		\$694,727.66
	DEDUCT PAVING AND APPURTENANCES ITEMS ITEM NO.4				-\$16,304.00		-\$17,730.60		-\$17,323.00
	DEDUCT PAVING AND APPURTENANCES ITEMS ITEM NO.5				-\$15,580.00		-\$16,892.00		-\$16,363.92
	SUBTOTAL ALTERNATE BID ITEMS				\$28,584.00		\$32,731.80		\$33,784.33
	<b>TOTAL AMOUNT INCLUDING ALTERNATE BID ITEMS</b>				<b>\$581,280.50</b>		<b>\$673,109.20</b>		<b>\$694,825.07</b>

LJA Engineering, Inc.

**BID TABULATION FOR:**

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 & PAVING AND APPURTENANCES TO SERVE GRAND CENTRAL PARK SECTION 23  
 CONROE MUNICIPAL MANAGEMENT DISTRICT NO. 1  
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 LJA ENGINEERING, INC.  
 D. FORREST  
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 2274-0023B&C (9.2)

4) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
<b>WATER SYSTEM ITEMS</b>					
1	8" PVC WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	643	\$35.00	\$22,505.00
2	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1854	\$0.10	\$185.40
3	FLUSHING VALVE ASSEMBLY, ALL DEPTHS, INCLUDING APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD AND FIRE HYDRANT, COMPLETE IN PLACE	EA	4	\$4,800.00	\$19,200.00
4	INSTALLATION OF 1" SINGLE OR DOUBLE "SHORT SIDE" WATER SERVICE CONNECTION (PER CITY OF CONROE STANDARD DETAILS), INCLUDING ALL FITTINGS, HARDWARE, METER BOX, COMPLETE IN PLACE	EA	10	\$800.00	\$8,000.00
5	INSTALLATION OF 1" DOUBLE OR SINGLE "LONG SIDE" WATER SERVICE CONNECTION (PER CITY OF CONROE STANDARD DETAILS), INCLUDING ALL FITTINGS, HARDWARE, METER BOX, AND TRENCH SAFETY, COMPLETE IN PLACE	LF	482	\$25.00	\$12,050.00
6	8" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	8	\$1,700.00	\$13,600.00
7	DUCTILE IRON FITTINGS, COMPLETE IN PLACE	TON	1.6	\$4,500.00	\$7,200.00
8	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 14, CLASS 305, INCLUDES RESTRAINED JOINT FITTINGS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	729	\$38.00	\$27,702.00
9	REMOVE AND DISPOSE OF EXISTING 8" PLUG AND CLAMP AND CONNECT PROPOSED 8" WATER PIPE TO EXISTING 8" WATER PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$1,200.00	\$4,800.00
<b>WATER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$115,242.40</b>
<b>SANITARY SEWER ITEMS</b>					
1	8" PVC SANITARY SEWER PIPE, ASTM D-2241, SDR 26, 0' - 8' DEPTH, COMPLETE IN PLACE	LF	334	\$46.00	\$15,364.00
2	8" PVC SANITARY SEWER PIPE, ASTM D-2241, SDR 26, 12' - 16' DEPTH, COMPLETE IN PLACE	LF	613	\$46.00	\$28,198.00
3	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1854	\$0.10	\$185.40
4	DEWATERING PER LF OF PIPE (NO SEPARATE PAY FOR DOUBLE ROW IF NEEDED), (ALL DEPTHS, THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	953	\$25.00	\$23,825.00
5	STANDARD SANITARY SEWER MANHOLE WITH CITY OF CONROE APPROVED EPOXY COATING FOR 6" - 24" 8" SANITARY SEWER PIPES, (0' - 10' DEPTH), INCLUDING INFLOW PROTECTOR AND RAMNEK AT ALL JOINTS, COMPLETE IN PLACE	EA	2	\$5,750.00	\$11,500.00
6	STANDARD 5' DIAMETER SANITARY SEWER MANHOLE WITH CITY OF CONROE APPROVED EPOXY COATING FOR 6" - 24" SANITARY SEWER PIPES FOLLOWING FINAL ADJUSTMENTS, (OVER 10' DEPTH), INCLUDING INFLOW PROTECTOR AND RAMNEK AT ALL JOINTS, COMPLETE IN PLACE	EA	3	\$8,900.00	\$26,700.00
7	EXTRA DEPTH OF SANITARY SEWER MANHOLES WITH CITY OF CONROE APPROVED EPOXY COATING, FOR 5' DIAMETER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	18	\$620.00	\$11,160.00
8	FINAL ADJUSTMENTS TO SANITARY MANHOLES, COMPLETE IN PLACE	EA	5	\$380.00	\$1,900.00

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 & PAVING AND APPURTENANCES TO SERVE GRAND CENTRAL PARK SECTION 23  
 CONROE MUNICIPAL MANAGEMENT DISTRICT NO. 1  
 CITY OF CONROE, MONTGOMERY COUNTY, TEXAS  
 MARCH 18, 2021  
 LJA ENGINEERING, INC.  
 D. FORREST  
 MARCH 18, 2021  
 2274-0023B&C (9.2)

4) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
9	EXTRA CEMENT STABILIZED SAND BACKFILL, (2 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	CY	100	\$12.00	\$1,200.00
10	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, CEMENT STABILIZED BACKFILL, DROP AND RISER, STACK, WYE, PLUG MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	9	\$1,600.00	\$14,400.00
11	"LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, CEMENT STABILIZED BACKFILL, DROP AND RISER, STACK, WYE, PLUG MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	257	\$70.00	\$17,990.00
12	STANDARD SANITARY SEWER DROP STRUCTURE ON MANHOLE (0' - 2.0' DEPTH), COMPLETE IN PLACE	EA	2	\$950.00	\$1,900.00
13	EXTRA DEPTH SANITARY SEWER DROP STRUCTURE ON MANHOLE, (OVER 2' OF DEPTH), COMPLETE IN PLACE	VF	9.76	\$10.00	\$97.60
14	CLEAN OUT FOR SANITARY SEWER LEAD, SEE CITY OF CONROE DETAIL SWR-18, SHEET 35, COMPLETE IN PLACE	EA	16	\$1,000.00	\$16,000.00
15	REMOVE EXISTING 8" SANITARY PLUG AND CONNECT TO PROPOSED SANITARY PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$800.00	\$1,600.00
16	8" SANITARY SEWER PLUG, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$330.00	\$330.00
17	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00
<b>SANITARY SEWER ITEMS SUBTOTAL:</b>					<b>\$179,850.00</b>
<b>DRAINAGE FACILITIES ITEMS</b>					
1	24" RCP STORM SEWER, ASTM C-76, CLASS III ALL DEPTHS, COMPLETE IN PLACE	LF	264	\$90.00	\$23,760.00
2	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	49	\$150.00	\$7,350.00
3	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	313	\$0.10	\$31.30
4	DEWATERING PER LF OF PIPE (NO SEPARATE PAY FOR DOUBLE ROW IF NEEDED), ALL SIZES, ALL DEPTHS, (THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	150	\$25.00	\$3,750.00
5	STANDARD TYPE "C" STORM SEWER MANHOLE FOR 24"-72" STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$4,700.00	\$4,700.00
6	STAGE I STANDARD PRECAST INLET TYPE "C" (5'), ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$3,000.00	\$24,000.00
7	STAGE II STANDARD PRECAST INLET TYPE "C" (5'), ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$2,700.00	\$21,600.00
8	STAGE I STANDARD PRECAST INLET TYPE "C-1" (10 FOOT), ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$4,000.00	\$8,000.00
9	STAGE II STANDARD PRECAST INLET TYPE "C-1" (10 FOOT), ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$3,300.00	\$6,600.00



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 CONROE MUNICIPAL MANAGEMENT DISTRICT NO. 1  
 CITY OF CONROE, MONTGOMERY COUNTY, TEXAS  
 MARCH 18, 2021  
 LJA ENGINEERING, INC.  
 D. FORREST  
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 2274-0023B&C (9.2)

**BID OPENING DATE:**  
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4) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
10	REMOVE AND DISPOSE OF EXISTING BRICK PLUG AND 10 LF OF EXISTING STORM SEWER AND CONNECT PROPOSED 24" STORM SEWER TO EXISTING STORM JUNCTION BOX D-11, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$800.00	\$800.00
11	STAGE I STNADRAD PRECAST INLET TYPE "C-2" (15 FOOT), ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$4,000.00	\$4,000.00
12	STAGE II STNADRAD PRECAST INLET TYPE "C-2" (15 FOOT), ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,000.00	\$3,000.00
13	REMOVE AND DISPOSE EXISTING BRICK PLUG AND CONNECT TO PROPOSED INLET, ALL DEPTHS AND SIZES, COMPLETE IN PLACE	EA	2	\$800.00	\$1,600.00

**DRAINAGE FACILITIES ITEMS SUBTOTAL:****\$109,191.30****MISCELLANEOUS ITEMS (WS&D)**

1	EXTRA CEMENT STABILIZED SAND (2 SACKS PER TON) (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$12.00	\$1,200.00
2	STANDARD DEDUCT FOR DAMAGE TO AREAS MARKED FOR PRESERVATION, COMPLETE IN PLACE	AC	0	-\$1,000.00	\$0.00
3	REMOVE AND DISPOSE OF EXISTING TREE UP TO 18" DIAMETER, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00
4	REMOVE AND DISPOSE OF EXISTING TREE OVER 18" DIAMETER, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00
5	INSTALLATION AND REMOVAL OF REINFORCE FILTER FABRIC FENCE SWMHCA SPECIFICATION NO. 4311, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$5.00	\$500.00
6	INLET PROTECTION BARRIERS, SWMHCA SPECIFICATION NO. 4511, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	19	\$85.00	\$1,615.00
7	METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR FOR WS&D, COMPLETE IN PLACE	LS	1	\$2,500.00	\$2,500.00
8	HAUL, SPREAD AND COMPACT (TO 95% STANDARD PROCTOR DENSITY) UTILITY SPOILS, IN ACCORDANCE WITH THE GRADING PLAN (SHEET 8 OF 30), INCLUDES ANY STRIPPING, DEWATERING, DEMUCKING NECESSARY TO PREPARE SITE FOR FILL PLACEMENT, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	500	\$7.00	\$3,500.00

**MISCELLANEOUS ITEMS (WS&D) SUBTOTAL:****\$10,815.00****PAVING AND APPURTENANCES ITEMS**

1	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	3808	\$48.00	\$182,784.00
2	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	1296	\$4.00	\$5,184.00
3	4" X 12" MOUNTABLE REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	1194	\$4.50	\$5,373.00
4	6" CEMENT STABILIZED SUBGRADE MANIPULATION, AT LEAST 40 LBS/SY, ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	4076	\$6.00	\$24,456.00
5	CEMENT FOR SUBGRADE STABILIZATION (8% CEMENT BY WEIGHT, 40 LBS/SY, PER 6" DEPTH), AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY ENGINEER, COMPLETE IN PLACE	TON	82	\$165.00	\$13,530.00

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 CONROE MUNICIPAL MANAGEMENT DISTRICT NO. 1  
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 LJA ENGINEERING, INC.  
 D. FORREST  
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4) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
6	ROADWAY EXCAVATION, INCLUDES HAUL, PLACEMENT AND COMPACTION AS LOT FILL, TO BE HAULED OFFSITE USING ON-ROAD TRUCKS, MAXIMUM HAUL DISTANCE NOT TO EXCEED 2 MILES, ROUND TRIP, INCLUDES ANY STRIPPING, DEWATERING, DEMUCKING NECESSARY TO PREPARE SITE FOR FILL PLACEMENT, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	4000	\$13.00	\$52,000.00
7	PERMANENT TRAFFIC CONTROL DEVICES, INCLUDING TRAFFIC BUTTONS, PAVEMENT STRIPING, LANE MARKERS, REFLECTIVE PAINT ON MEDIAN NOSES, STOP SIGNS, STREET SIGNS, AND ALL OTHER TRAFFIC SIGNS SHOWN IN PLANS, ETC., COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00
8	4" SQUARE DOUBLE REFLECTORIZED BLUE TRAFFIC BUTTONS FOR FIRE HYDRANT LOCATION, COMPLETE IN PLACE	EA	4	\$12.00	\$48.00
9	REMOVE AND DISPOSE OF TYPE III BARRICADE, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	3	\$200.00	\$600.00
10	FINAL SITE GRADING, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00
11	REMOVE AND DISPOSE OF EXISTING 6" LIME STONE TEMPORARY TURN AROUND, AS SPECIFIED BY THE ENGINEER, COMPLETE IN PLACE	SY	760	\$5.00	\$3,800.00
12	TIE INTO EXISTING PAVEMENT, COMPLETE IN PLACE	LF	72	\$15.00	\$1,080.00
<b>PAVING AND APPURTENANCES ITEMS SUBTOTAL:</b>					<b>\$296,855.00</b>
<b>MISCELLANEOUS ITEMS (PAVING)</b>					
1	METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR, FOR PAVING, COMPLETE IN PLACE	LS	1	\$2,295.30	\$2,295.30
2	4" SCHEDULE 40 PVC IRRIGATION SLEEVES, COMPLETE IN PLACE	LF	50	\$15.00	\$750.00
3	6" SCHEDULE 40 PVC IRRIGATION SLEEVES, COMPLETE IN PLACE	LF	50	\$18.00	\$900.00
4	CITY OF CONROE SUBDIVISION BOND, TO BE PROVIDED ON STANDARD CITY OF CONROE FORM, (TOTAL BOND AMOUNT \$275,100.00), COMPLETE IN PLACE	LS	1	\$2,751.00	\$2,751.00
5	INSTALLATION OF PERMANENT SPEED LIMIT SIGNS, INCLUDES SIGN AND SIGN POLE (PER DETAILS ON SHEET 23 OF 30), AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	35	\$450.00	\$15,750.00
6	REMOVE AND REPLACE SPEED LIMIT SIGN ON EXISTING SIGN POLE, INCLUDES SIGN ONLY, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	4	\$150.00	\$600.00
<b>MISCELLANEOUS ITEMS (PAVING) SUBTOTAL:</b>					<b>\$23,046.30</b>
<b>ALTERNATE BID ITEMS</b>					
1	6" LIME-FLYASH STABILIZED SUBGRADE MANIPULATIONS, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY, IN LIEU OF PAVING AND APPURTENANCES ITEM NO. 4, COMPLETE IN PLACE	SY	4076	\$7.00	\$28,532.00
2	LIME FOR SUBGRADE STABILIZATION (2% LIME BY WEIGHT, 10 LBS/SY, PER 6" DEPTH), AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY THE ENGINEER, IN LIEU OF PAVING AND APPURTENANCES ITEM NO. 5, COMPLETE IN PLACE	TON	20.4	\$210.00	\$4,284.00
3	FLYASH FOR SUBGRADE STABILIZATION (8% FLYASH BY WEIGHT, 40 LBS/SY, PER 6" DEPTH), AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY THE ENGINEER, IN LIEU OF PAVING AND APPURTENANCES ITEM NO. 5, COMPLETE IN PLACE	TON	82	\$120.00	\$9,840.00
<b>ALTERNATE BID ITEMS SUBTOTAL:</b>					<b>\$42,656.00</b>

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MARCH 18, 2021  
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4) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
<b><u>BIDDING SUMMARY</u></b>					
	SUBTOTAL WATER SYSTEM ITEMS				\$115,242.40
	SUBTOTAL SANITARY SEWER ITEMS				\$179,850.00
	SUBTOTAL DRAINAGE FACILITIES ITEMS				\$109,191.30
	SUBTOTAL MISCELLANEOUS ITEMS (WS&D)				\$10,815.00
	SUBTOTAL PAVING AND APPURTENANCES ITEMS				\$296,855.00
	SUBTOTAL MISCELLANEOUS ITEMS (PAVING)				\$23,046.30
	<b>TOTAL AMOUNT BASE BID</b>				<b>\$735,000.00</b>
<b><u>ALTERNATE BID ITEMS</u></b>					
	TOTAL AMOUNT BASE BID				\$735,000.00
	DEDUCT PAVING AND APPURTENANCES ITEMS ITEM NO.4				-\$24,456.00
	DEDUCT PAVING AND APPURTENANCES ITEMS ITEM NO.5				-\$13,530.00
	SUBTOTAL ALTERNATE BID ITEMS				\$42,656.00
	<b>TOTAL AMOUNT INCLUDING ALTERNATE BID ITEMS</b>				<b>\$739,670.00</b>

LJA Engineering, Inc.