

BID TABULATION FOR:

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

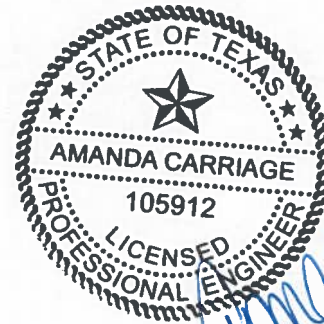
CONSTRUCTION OF WATER, SANITARY SEWER, AND DRAINAGE FACILITIES
TO SERVE SIENNA SECTION 32A AND 32B
SIENNA PLANTATION MUNICIPAL UTILITY DISTRICT NO. 6
CITY OF MISSOURI CITY, FORT BEND COUNTY, TEXAS
SEPTEMBER 29, 2020
LJA ENGINEERING, INC.
D. FORREST
SEPTEMBER 29, 2020
1416-1532AD (9.2)

BIDDER'S NAME	TOTAL AMOUNT BID	BID INCLUDING ALTERNATE BID NO. 1 -- WS&D FIELD CONDITIONS ITEMS
1) BLAZEY CONSTRUCTION SERVICES LLC	\$332,300.84	\$386,828.84
2) CROSTEX CONSTRUCTION INC.	\$340,000.00	\$394,528.00
3) R CONSTRUCTION CIVIL	\$368,102.30	\$423,130.30
4) HARRIS CONSTRUCTION COMPANY, LTD.	\$417,174.50	\$471,702.50

CALENDAR DAYS - 40/50

Amanda Carriage

I, Amanda Carriage, P.E., hereby certify these bid tabulations to be true and correct.



Amanda Carriage
10/15/20

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CONSTRUCTION OF WATER, SANITARY SEWER, AND DRAINAGE FACILITIES
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 LJA ENGINEERING, INC.
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ITEM	DESCRIPTION	UNIT	QTY	1) BLAZEY CONSTRUCTION SERVICES LLC		2) CROSTEX CONSTRUCTION INC.		3) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
WATER DISTRIBUTION SYSTEM ITEMS – INTERNAL (SIENNA PLANTATION MUD NO. 6)									
1	METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR PER GENE BAKER, GBI PARTNERS, LP, 281.499.4539, COMPLETE IN PLACE	LS	1	\$7,111.00	\$7,111.00	\$7,200.00	\$7,200.00	\$7,111.00	\$7,111.00
2	6" PVC WATER LINE, C-900, DR 18, CL 235, ALL DEPTHS, COMPLETE IN PLACE	LF	143	\$14.70	\$2,102.10	\$13.25	\$1,894.75	\$15.00	\$2,145.00
3	8" PVC WATER LINE, C-900, DR 18, CL 235, ALL DEPTHS, COMPLETE IN PLACE	LF	1698	\$19.20	\$32,601.60	\$16.75	\$28,441.50	\$17.00	\$28,866.00
4	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	9	\$984.00	\$8,856.00	\$986.00	\$8,874.00	\$1,100.00	\$9,900.00
5	SHORT SIDE SINGLE 1" CTS DR9 POLY TUBING WATER SERVICE LEADS, ALL DEPTHS, BACKFILL, METER BOX, CURB STOP, TAPS, AND ALL NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	22	\$680.00	\$14,960.00	\$460.00	\$10,120.00	\$420.00	\$9,240.00
6	LONG SIDE SINGLE 1" CTS DR9 POLY TUBING WATER SERVICE LEADS, ALL DEPTHS, BACKFILL, METER BOX, CURB STOP, TAPS, AND ALL NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	20	\$823.00	\$16,460.00	\$925.00	\$18,500.00	\$875.00	\$17,500.00
7	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD, FLUSHING VALVE AND TRENCH SAFETY, COMPLETE IN PLACE	EA	6	\$3,290.00	\$19,740.00	\$3,630.00	\$21,780.00	\$4,500.00	\$27,000.00
8	CAST IRON FITTINGS, COMPLETE IN PLACE	TON	0.78	\$2,804.00	\$2,187.12	\$2,900.00	\$2,262.00	\$3,050.00	\$2,379.00
9	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1841	\$0.55	\$1,012.55	\$0.01	\$18.41	\$0.10	\$184.10
10	REMOVE AND DISPOSE OF EXISTING 8" PLUG AND CLAMP AND BLOW OFF VALVE AND CONNECT PROPOSED 8" WATER LINE, COMPLETE IN PLACE	EA	2	\$408.00	\$816.00	\$100.00	\$200.00	\$240.00	\$480.00
11	BORE AND JACK OR AUGER (WET BORE) FOR WATER LINE, ALL DEPTHS, ALL SIZES, EXCLUDES LINE PIPE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	10	\$50.00	\$500.00	\$50.00	\$500.00	\$50.00	\$500.00
12	BORE PITS FOR WATER LINE BORE, INCLUDES BORE PIT, DEWATERING OF BORE PIT, TRENCH SAFETY FOR BORE PIT AND FILLED TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00	\$100.00	\$200.00	\$100.00	\$200.00
13	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$196.00	\$196.00	\$104.00	\$104.00	\$150.00	\$150.00
14	2" BLOW OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	1	\$277.00	\$277.00	\$326.00	\$326.00	\$800.00	\$800.00
WATER DISTRIBUTION SYSTEM ITEMS – INTERNAL (SIENNA PLANTATION MUD NO. 6) SUBTOTAL					\$107,019.37		\$100,420.66		\$106,455.10
SANITARY SEWER SYSTEM ITEMS – INTERNAL (SIENNA PLANTATION MUD NO. 6)									
1	8" PVC SEWER PIPE, ASTM D 2241, SDR 26, CLASS 160, 0' – 12' DEPTH, COMPLETE IN PLACE	LF	932	\$27.00	\$25,164.00	\$22.50	\$20,970.00	\$29.00	\$27,028.00
2	8" PVC SEWER PIPE, ASTM D 2241, SDR 26, CLASS 160, 12' – 16' DEPTH, COMPLETE IN PLACE	LF	556	\$27.00	\$15,012.00	\$27.00	\$15,012.00	\$33.00	\$18,348.00
3	STANDARD SANITARY SEWER MANHOLE, (0' – 8' DEPTH), INCLUDING INFLOW PROTECTOR AND RAMNEK AT ALL JOINTS, COMPLETE IN PLACE	EA	2	\$3,338.00	\$6,676.00	\$3,520.00	\$7,040.00	\$3,400.00	\$6,800.00
4	5' DIAMETER SANITARY SEWER MANHOLE, (0' – 8' DEPTH), INCLUDING INFLOW PROTECTOR AND RAMNEK AT ALL JOINTS, COMPLETE IN PLACE	EA	8	\$4,583.00	\$36,504.00	\$5,165.00	\$41,320.00	\$4,800.00	\$38,400.00
5	EXTRA VERTICAL DEPTH OF 5' DIAMETER STANDARD SANITARY SEWER MANHOLES, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	43.12	\$401.00	\$17,291.12	\$435.00	\$18,757.20	\$350.00	\$15,092.00

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 TO SERVE SIENNA SECTION 32A AND 32B
 SIENNA PLANTATION MUNICIPAL UTILITY DISTRICT NO. 6
 CITY OF MISSOURI CITY, FORT BEND COUNTY, TEXAS
 SEPTEMBER 29, 2020
 LJA ENGINEERING, INC.
 D. FORREST
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ITEM	DESCRIPTION	UNIT	QTY	1) BLAZEY CONSTRUCTION SERVICES LLC		2) CROSTEX CONSTRUCTION INC.		3) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6	"LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 28, CLASS 160, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, STACK, MARKER, DROP STRUCTURE, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	744	\$39.00	\$29,016.00	\$28.50	\$21,204.00	\$35.00	\$26,040.00
7	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 28, CLASS 160, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, STACK, MARKER, TRENCH SAFETY, DROP STRUCTURES, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	11	\$747.00	\$8,217.00	\$810.00	\$8,910.00	\$900.00	\$9,900.00
8	T.V. INSPECTION OF SANITARY SEWER LINES, ALL DEPTHS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1489	\$2.30	\$3,424.70	\$0.01	\$14.89	\$1.65	\$2,456.85
9	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2233	\$0.55	\$1,228.15	\$0.05	\$111.65	\$0.10	\$223.30
10	STANDARD SANITARY SEWER DROP STRUCTURE, AS PER CITY OF MISSOURI CITY STANDARDS, ALL SIZES, COMPLETE IN PLACE	EA	1	\$992.00	\$992.00	\$700.00	\$700.00	\$1,000.00	\$1,000.00
11	FINAL ADJUSTMENTS TO SANITARY MANHOLES, COMPLETE IN PLACE	EA	10	\$81.00	\$810.00	\$100.00	\$1,000.00	\$1.00	\$10.00
12	BORE AND JACK OR AUGER (WET BORE) OF SANITARY SEWER, ALL DEPTHS, EXCLUDES LINE PIPE, (TO BE USED AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	20	\$50.00	\$1,000.00	\$50.00	\$1,000.00	\$50.00	\$1,000.00
13	BORE PITS FOR SANITARY SEWER BORE, INCLUDES BORE PIT, DEWATERING OF BORE PIT, TRENCH SAFETY FOR BORE PIT, AND FILLED WITH 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00	\$100.00	\$200.00	\$100.00	\$200.00
14	EXTRA DEPTH STANDARD SANITARY SEWER DROP STRUCTURE, AS PER CITY OF MISSOURI CITY STANDARDS, COMPLETE IN PLACE	VF	5.25	\$11.00	\$57.75	\$50.00	\$262.50	\$25.00	\$131.25
15	REMOVE AND DISPOSE OF EXISTING 8" SANITARY SEWER PLUG AND CONNECT PROPOSED 8" SANITARY SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$163.00	\$163.00	\$100.00	\$100.00	\$200.00	\$200.00
SANITARY SEWER SYSTEM ITEMS – INTERNAL (SIENNA PLANTATION MUD NO. 6) SUBTO					\$145,755.72		\$136,602.24		\$146,829.40
DRAINAGE FACILITIES ITEMS – INTERNAL (SIENNA PLANTATION MUD NO. 6)									
1	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	172	\$61.00	\$10,482.00	\$56.75	\$9,761.00	\$78.00	\$13,072.00
2	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	50	\$74.00	\$3,700.00	\$71.00	\$3,550.00	\$107.00	\$5,350.00
3	36" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	150	\$100.00	\$15,000.00	\$96.00	\$14,400.00	\$133.00	\$19,950.00
4	4:1 SAFETY END TREATMENT, COMPLETE IN PLACE	EA	2	\$840.00	\$1,680.00	\$1,850.00	\$3,700.00	\$2,000.00	\$4,000.00
5	BREAK INTO EXISTING STORM SEWER MANHOLE AND CONNECT PROPOSED STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$146.00	\$292.00	\$100.00	\$200.00	\$600.00	\$1,200.00
6	DEMUCK, SCARIFY AND PROOFROLL EXISTING OVERFLOW SWALE (2' BOTTOM WIDTH, 3:1 SIDE SLOPES), COMPLETE IN PLACE	LF	965	\$3.00	\$2,895.00	\$6.50	\$6,272.50	\$4.10	\$3,956.50
7	REGRADE OF EXISTING OVERFLOW SWALE TO EXISTING CONDITIONS OR BETTER, COMPLETE IN PLACE	LF	307	\$2.00	\$614.00	\$3.50	\$1,074.50	\$8.00	\$2,456.00
8	STAGE I – STANDARD 10' PRECAST INLET, ALL DEPTHS, (INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS), COMPLETE IN PLACE	EA	9	\$1,187.00	\$10,683.00	\$3,300.00	\$29,700.00	\$1,300.00	\$11,700.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9	STAGE II -- STANDARD 10' PRECAST INLET, (INCLUDES TEMPORARY SAND-FILLED BURLAP BAGS FOR EROSION AND SEDIMENT CONTROL), COMPLETE IN PLACE	EA	9	\$1,837.00	\$16,533.00	\$900.00	\$8,100.00	\$3,100.00	\$27,900.00
10	TEMPORARY TRAFFIC CONTROL DURING DURATION OF CONSTRUCTION, COMPLETE IN PLACE	LS	1	\$271.00	\$271.00	\$6,500.00	\$6,500.00	\$3,500.00	\$3,500.00
11	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$2,845.00	\$8,535.00	\$2,150.00	\$6,450.00	\$3,200.00	\$9,600.00
12	CITY OF MISSOURI CITY (COMC) CONSTRUCTION PERMIT FOR CONSTRUCTION OF WS&D (PERCENTAGE OF WS&D AND CLEARING AND GRUBBING CONSTRUCTION COST AS REQUIRED BY COMC), COMPLETE IN PLACE	LS	1	\$3,350.00	\$3,350.00	\$8,357.95	\$8,357.95	\$3,645.00	\$3,645.00
13	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	373	\$0.30	\$111.90	\$0.05	\$18.65	\$0.10	\$37.30
14	WATER, SANITARY SEWER, AND STORM SEWER UTILITY SPOIL TO TO BE USED FOR ONSITE FILL, INCLUDES EXCAVATION, HAULING, PLACED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8' LIFTS, COMPLETE IN PLACE	CY	1895	\$1.63	\$3,088.85	\$1.50	\$2,842.50	\$2.40	\$4,548.00
15	FINAL ADJUSTMENT OF MANHOLE RIM ELEVATIONS, COMPLETE IN PLACE	EA	3	\$108.00	\$324.00	\$50.00	\$150.00	\$1.00	\$3.00
16	INSTALLATION AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION AND REMOVAL (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
17	REMOVE AND DISPOSE OF EXISTING 8" BRICK PLUG AND CONNECT PROPOSED STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$114.00	\$456.00	\$100.00	\$400.00	\$800.00	\$2,400.00
DRAINAGE FACILITIES ITEMS -- INTERNAL (SIENNA PLANTATION MUD NO. 6) SUBTOTAL:					\$79,525.75		\$102,977.10		\$114,817.80
MISCELLANEOUS ITEMS									
1	STANDARD DEDUCT FOR VARIANCE REQUESTS SUBMITTED BY THE ENGINEER ON BEHALF OF THE CONTRACTOR, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	0	-\$1,000.00	\$0.00	-\$1,000.00	\$0.00	-\$1,000.00	\$0.00
2	STANDARD DEDUCT FOR STREET CLEANING (AS DIRECTED BY THE OWNER), COMPLETE IN PLACE	HR	0	-\$125.00	\$0.00	-\$125.00	\$0.00	-\$125.00	\$0.00
3	STANDARD DEDUCT FOR DAMAGE TO WETLANDS FENCING BY THE CONTRACTOR, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	0	-\$10.00	\$0.00	-\$10.00	\$0.00	-\$10.00	\$0.00
4	STANDARD DEDUCT FOR DAMAGE TO TREE MARKED FOR PRESERVATION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	0	-\$1,000.00	\$0.00	-\$1,000.00	\$0.00	-\$1,000.00	\$0.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$0.00		\$0.00		\$0.00
ALTERNATE BID NO. 1 -- WS&D FIELD CONDITIONS ITEMS									
1	BORE AND JACK OR AUGER (WET BORE) OF WATER LINE, ALL DEPTHS, ALL SIZES, EXCLUDES LINE PIPE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
2	BORE PITS FOR WATER LINE BORE, INCLUDES BORE PIT, DEWATERING OF BORE PIT, TRENCH SAFETY FOR BORE PIT, & FILLED WITH 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00	\$100.00	\$200.00	\$100.00	\$200.00
3	DEWATERING OF RIGHT OF WAY (ALL DEPTHS, THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1229	\$20.00	\$24,580.00	\$20.00	\$24,580.00	\$20.00	\$24,580.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	BORE AND JACK OR AUGER (WET BORE) OF SANITARY SEWER, ALL DEPTHS, ALL SIZES, EXCLUDES LINE PIPE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$25.00	\$2,500.00
5	BORE PITS FOR SANITARY SEWER BORE, INCLUDES BORE PIT, DEWATERING OF BORE PIT, TRENCH SAFETY FOR BORE PIT, AND FILLED WITH 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00	\$100.00	\$200.00	\$100.00	\$200.00
6	ADDITIONAL COST FOR MISSOURI CITY MODIFIED "A-A" SANITARY SEWER BEDDING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1029	\$12.00	\$12,348.00	\$12.00	\$12,348.00	\$12.00	\$12,348.00
7	CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$20.00	\$10,000.00
8	ADDITIONAL COST FOR MISSOURI CITY MODIFIED "A A" STORM SEWER BEDDING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	200	\$16.00	\$3,200.00	\$16.00	\$3,200.00	\$16.00	\$3,200.00
ALTERNATE BID NO. 1 – WS&D FIELD CONDITIONS ITEMS SUBTOTAL:					\$54,528.00		\$64,528.00		\$55,028.00
<u>BIDDING SUMMARY</u>									
SUBTOTAL WATER DISTRIBUTION SYSTEM ITEMS – INTERNAL (SIENNA PLANTATION MUI					\$107,019.37		\$100,420.66		\$106,455.10
SUBTOTAL SANITARY SEWER SYSTEM ITEMS – INTERNAL (SIENNA PLANTATION MUD NC					\$145,755.72		\$136,602.24		\$146,829.40
SUBTOTAL DRAINAGE FACILITIES ITEMS – INTERNAL (SIENNA PLANTATION MUD NO. 6)					\$79,525.75		\$102,977.10		\$114,817.80
SUBTOTAL MISCELLANEOUS ITEMS					\$0.00		\$0.00		\$0.00
TOTAL AMOUNT BASE BID					\$332,300.84		\$340,000.00		\$368,102.30
<u>ALTERNATE BID NO. 1 – WS&D FIELD CONDITIONS ITEMS</u>									
TOTAL AMOUNT BASE BID					\$332,300.84		\$340,000.00		\$368,102.30
SUBTOTAL ALTERNATE BID NO. 1 – WS&D FIELD CONDITIONS ITEMS					\$54,528.00		\$54,528.00		\$55,028.00
TOTAL AMOUNT INCLUDING ALTERNATE BID NO. 1 – WS&D FIELD CONDITIONS ITEMS					\$386,828.84		\$394,528.00		\$423,130.30

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4) HARRIS CONSTRUCTION COMPANY, LTD.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
WATER DISTRIBUTION SYSTEM ITEMS – INTERNAL (SIENNA PLANTATION MUD NO. 6)					
1	METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR PER GENE BAKER, GBI PARTNERS, LP, 281.499.4539, COMPLETE IN PLACE	LS	1	\$7,111.00	\$7,111.00
2	6" PVC WATER LINE, C-900, DR 18, CL 235, ALL DEPTHS, COMPLETE IN PLACE	LF	143	\$14.50	\$2,073.50
3	8" PVC WATER LINE, C-900, DR 18, CL 235, ALL DEPTHS, COMPLETE IN PLACE	LF	1698	\$19.00	\$32,262.00
4	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	9	\$1,115.00	\$10,035.00
5	SHORT SIDE SINGLE 1" CTS DR9 POLY TUBING WATER SERVICE LEADS, ALL DEPTHS, BACKFILL, METER BOX, CURB STOP, TAPS, AND ALL NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	22	\$455.00	\$10,010.00
6	LONG SIDE SINGLE 1" CTS DR9 POLY TUBING WATER SERVICE LEADS, ALL DEPTHS, BACKFILL, METER BOX, CURB STOP, TAPS, AND ALL NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	20	\$1,075.00	\$21,500.00
7	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD, FLUSHING VALVE AND TRENCH SAFETY, COMPLETE IN PLACE	EA	6	\$3,975.00	\$23,850.00
8	CAST IRON FITTINGS, COMPLETE IN PLACE	TON	0.78	\$3,875.00	\$3,022.50
9	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1841	\$0.50	\$920.50
10	REMOVE AND DISPOSE OF EXISTING 8" PLUG AND CLAMP AND BLOW OFF VALVE AND CONNECT PROPOSED 8" WATER LINE, COMPLETE IN PLACE	EA	2	\$300.00	\$600.00
11	BORE AND JACK OR AUGER (WET BORE) FOR WATER LINE, ALL DEPTHS, ALL SIZES, EXCLUDES LINE PIPE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	10	\$50.00	\$500.00
12	BORE PITS FOR WATER LINE BORE, INCLUDES BORE PIT, DEWATERING OF BORE PIT, TRENCH SAFETY FOR BORE PIT AND FILLED TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00
13	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$250.00	\$250.00
14	2" BLOW OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	1	\$600.00	\$600.00
WATER DISTRIBUTION SYSTEM ITEMS – INTERNAL (SIENNA PLANTATION MUD NO. 6) SUBTOTAL					\$112,934.50
SANITARY SEWER SYSTEM ITEMS – INTERNAL (SIENNA PLANTATION MUD NO. 6)					
1	8" PVC SEWER PIPE, ASTM D 2241, SDR 26, CLASS 160, 0' – 12' DEPTH, COMPLETE IN PLACE	LF	932	\$26.50	\$24,698.00
2	8" PVC SEWER PIPE, ASTM D 2241, SDR 26, CLASS 160, 12' – 16' DEPTH, COMPLETE IN PLACE	LF	556	\$30.25	\$16,819.00
3	STANDARD SANITARY SEWER MANHOLE, (0' – 8' DEPTH), INCLUDING INFLOW PROTECTOR AND RAMNEK AT ALL JOINTS, COMPLETE IN PLACE	EA	2	\$3,925.00	\$7,850.00
4	5' DIAMETER SANITARY SEWER MANHOLE, (0' – 8' DEPTH), INCLUDING INFLOW PROTECTOR AND RAMNEK AT ALL JOINTS, COMPLETE IN PLACE	EA	8	\$5,845.00	\$46,760.00
5	EXTRA VERTICAL DEPTH OF 5' DIAMETER STANDARD SANITARY SEWER MANHOLES, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	43.12	\$425.00	\$18,326.00

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LJA JOB NO.

CONSTRUCTION OF WATER, SANITARY SEWER, AND DRAINAGE FACILITIES
 TO SERVE SIENNA SECTION 32A AND 32B
 SIENNA PLANTATION MUNICIPAL UTILITY DISTRICT NO. 6
 CITY OF MISSOURI CITY, FORT BEND COUNTY, TEXAS
 SEPTEMBER 29, 2020
 LJA ENGINEERING, INC.
 D. FORREST
 SEPTEMBER 29, 2020
 1416-1532AD (9.2)

4) HARRIS CONSTRUCTION COMPANY, LTD.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
6	"LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, CLASS 160, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, STACK, MARKER, DROP STRUCTURE, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	744	\$54.50	\$40,548.00
7	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, CLASS 160, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, STACK, MARKER, TRENCH SAFETY, DROP STRUCTURES, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	11	\$745.00	\$8,195.00
8	T.V. INSPECTION OF SANITARY SEWER LINES, ALL DEPTHS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1489	\$5.50	\$8,189.50
9	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2233	\$0.50	\$1,116.50
10	STANDARD SANITARY SEWER DROP STRUCTURE, AS PER CITY OF MISSOURI CITY STANDARDS, ALL SIZES, COMPLETE IN PLACE	EA	1	\$1,275.00	\$1,275.00
11	FINAL ADJUSTMENTS TO SANITARY MANHOLES, COMPLETE IN PLACE	EA	10	\$500.00	\$5,000.00
12	BORE AND JACK OR AUGER (WET BORE) OF SANITARY SEWER, ALL DEPTHS, EXCLUDES LINE PIPE, (TO BE USED AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	20	\$50.00	\$1,000.00
13	BORE PITS FOR SANITARY SEWER BORE, INCLUDES BORE PIT, DEWATERING OF BORE PIT, TRENCH SAFETY FOR BORE PIT, AND FILLED WITH 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00
14	EXTRA DEPTH STANDARD SANITARY SEWER DROP STRUCTURE, AS PER CITY OF MISSOURI CITY STANDARDS, COMPLETE IN PLACE	VF	5.25	\$20.00	\$105.00
15	REMOVE AND DISPOSE OF EXISTING 8" SANITARY SEWER PLUG AND CONNECT PROPOSED 8" SANITARY SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$150.00	\$150.00
SANITARY SEWER SYSTEM ITEMS – INTERNAL (SIENNA PLANTATION MUD NO. 6) SUBTO					\$180,232.00
DRAINAGE FACILITIES ITEMS – INTERNAL (SIENNA PLANTATION MUD NO. 6)					
1	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	172	\$65.75	\$11,309.00
2	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	50	\$82.00	\$4,100.00
3	36" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	150	\$120.00	\$18,000.00
4	4:1 SAFETY END TREATMENT, COMPLETE IN PLACE	EA	2	\$1,850.00	\$3,700.00
5	BREAK INTO EXISTING STORM SEWER MANHOLE AND CONNECT PROPOSED STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00
6	DEMUCK, SCARIFY AND PROOFROLL EXISTING OVERFLOW SWALE (2' BOTTOM WIDTH, 3:1 SIDE SLOPES), COMPLETE IN PLACE	LF	965	\$4.50	\$4,342.50
7	REGRADE OF EXISTING OVERFLOW SWALE TO EXISTING CONDITIONS OR BETTER, COMPLETE IN PLACE	LF	307	\$15.00	\$4,605.00
8	STAGE I – STANDARD 10' PRECAST INLET, ALL DEPTHS, (INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS), COMPLETE IN PLACE	EA	9	\$1,195.00	\$10,755.00

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 TO SERVE SIENNA SECTION 32A AND 32B
 SIENNA PLANTATION MUNICIPAL UTILITY DISTRICT NO. 6
 CITY OF MISSOURI CITY, FORT BEND COUNTY, TEXAS
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 D. FORREST
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4) HARRIS CONSTRUCTION COMPANY, LTD.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
9	STAGE II - STANDARD 10' PRECAST INLET, (INCLUDES TEMPORARY SAND-FILLED BURLAP BAGS FOR EROSION AND SEDIMENT CONTROL), COMPLETE IN PLACE	EA	9	\$3,950.00	\$35,550.00
10	TEMPORARY TRAFFIC CONTROL DURING DURATION OF CONSTRUCTION, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00
11	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$3,525.00	\$10,575.00
12	CITY OF MISSOURI CITY (COMC) CONSTRUCTION PERMIT FOR CONSTRUCTION OF WS&D (PERCENTAGE OF WS&D AND CLEARING AND GRUBBING CONSTRUCTION COST AS REQUIRED BY COMC), COMPLETE IN PLACE	LS	1	\$5,250.00	\$5,250.00
13	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	373	\$0.50	\$186.50
14	WATER, SANITARY SEWER, AND STORM SEWER UTILITY SPOIL TO TO BE USED FOR ONSITE FILL, INCLUDES EXCAVATION, HAULING, PLACED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, COMPLETE IN PLACE	CY	1895	\$3.00	\$5,685.00
15	FINAL ADJUSTMENT OF MANHOLE RIM ELEVATIONS, COMPLETE IN PLACE	EA	3	\$150.00	\$450.00
16	INSTALLATION AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION AND REMOVAL (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00
17	REMOVE AND DISPOSE OF EXISTING 8" BRICK PLUG AND CONNECT PROPOSED STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$500.00	\$2,000.00
DRAINAGE FACILITIES ITEMS - INTERNAL (SIENNA PLANTATION MUD NO. 6) SUBTOTAL:					\$124,008.00
MISCELLANEOUS ITEMS					
1	STANDARD DEDUCT FOR VARIANCE REQUESTS SUBMITTED BY THE ENGINEER ON BEHALF OF THE CONTRACTOR, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	0	-\$1,000.00	\$0.00
2	STANDARD DEDUCT FOR STREET CLEANING (AS DIRECTED BY THE OWNER), COMPLETE IN PLACE	HR	0	-\$125.00	\$0.00
3	STANDARD DEDUCT FOR DAMAGE TO WETLANDS FENCING BY THE CONTRACTOR, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	0	-\$10.00	\$0.00
4	STANDARD DEDUCT FOR DAMAGE TO TREE MARKED FOR PRESERVATION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	0	-\$1,000.00	\$0.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$0.00
ALTERNATE BID NO. 1 - WS&D FIELD CONDITIONS ITEMS					
1	BORE AND JACK OR AUGER (WET BORE) OF WATER LINE, ALL DEPTHS, ALL SIZES, EXCLUDES LINE PIPE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00
2	BORE PITS FOR WATER LINE BORE, INCLUDES BORE PIT, DEWATERING OF BORE PIT, TRENCH SAFETY FOR BORE PIT, & FILLED WITH 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00
3	DEWATERING OF RIGHT OF WAY (ALL DEPTHS, THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1229	\$20.00	\$24,580.00

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ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
4	BORE AND JACK OR AUGER (WET BORE) OF SANITARY SEWER, ALL DEPTHS, ALL SIZES, EXCLUDES LINE PIPE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00
5	BORE PITS FOR SANITARY SEWER BORE, INCLUDES BORE PIT, DEWATERING OF BORE PIT, TRENCH SAFETY FOR BORE PIT, AND FILLED WITH 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00
6	ADDITIONAL COST FOR MISSOURI CITY MODIFIED "A-A" SANITARY SEWER BEDDING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1029	\$12.00	\$12,348.00
7	CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	500	\$20.00	\$10,000.00
8	ADDITIONAL COST FOR MISSOURI CITY MODIFIED "A-A" STORM SEWER BEDDING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	200	\$16.00	\$3,200.00

ALTERNATE BID NO. 1 – WS&D FIELD CONDITIONS ITEMS SUBTOTAL: **\$54,528.00**

BIDDING SUMMARY

SUBTOTAL WATER DISTRIBUTION SYSTEM ITEMS – INTERNAL (SIENNA PLANTATION MUC	\$112,934.50
SUBTOTAL SANITARY SEWER SYSTEM ITEMS – INTERNAL (SIENNA PLANTATION MUD NC	\$180,232.00
SUBTOTAL DRAINAGE FACILITIES ITEMS – INTERNAL (SIENNA PLANTATION MUD NO. 6)	\$124,008.00
SUBTOTAL MISCELLANEOUS ITEMS	\$0.00
TOTAL AMOUNT BASE BID	\$417,174.50
<u>ALTERNATE BID NO. 1 – WS&D FIELD CONDITIONS ITEMS</u>	
TOTAL AMOUNT BASE BID	\$417,174.50
SUBTOTAL ALTERNATE BID NO. 1 – WS&D FIELD CONDITIONS ITEMS	\$54,528.00
TOTAL AMOUNT INCLUDING ALTERNATE BID NO. 1 – WS&D FIELD CONDITIONS ITEMS	\$471,702.50

LJA Engineering, Inc.