

BID TABULATION FOR:

CONSTRUCTION OF THE SHEET PILE STRUCTURE
AT SIENNA OAKS LAKE & MAIN CHANNEL
SIENNA MUNICIPAL UTILITY DISTRICT NO. 5
CITY OF MISSOURI CITY, FORT BEND COUNTY, TEXAS
FEBRUARY 3, 2023
LJA ENGINEERING, INC.
C. DURHAM
FEBRUARY 3, 2023
1415-2002A (9.2)

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

BIDDER'S NAME	TOTAL AMOUNT BID
1) SOLID BRIDGE CONSTRUCTION	\$1,215,072.00
2) HARRIS CONSTRUCTION COMPANY, LLC	\$1,279,693.45
3) NBG CONSTRUCTORS, INC.	\$1,496,780.00
4) CE BARKER LTD	\$1,677,793.00
5) TLC CONSTRUCTION CONTRACT SERVICES, INC.	\$1,999,919.00

CALENDAR DAYS 120/130



Scott Frankovich
2/3/2023

I, Scott Frankovich, P.E., hereby certify these bid tabulations to be true and correct.

LJA Engineering, Inc.

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ITEM	DESCRIPTION	UNIT	QTY	1) SOLID BRIDGE CONSTRUCTION		2) HARRIS CONSTRUCTION COMPANY, LLC		3) NBG CONSTRUCTORS, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
SIENNA OAKS LAKE IMPROVEMENT ITEMS									
1	METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR, PER GENE BAKER, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00
2	EXCAVATION SPOILS TO BE USED ON-SITE FOR CONSTRUCTION OF SHEET PILE STRUCTURE AND PROPOSED GRADING, INCLUDING NECESSARY BENCHING, PLACED & COMPACTED TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, AS PER GEOTECHNICAL ENGINEER'S RECOMMENDATION, COMPLETE IN PLACE	CY	3800	\$11.00	\$41,800.00	\$15.00	\$57,000.00	\$16.00	\$60,800.00
3	FINAL GRADING OF PROJECT AREA OF SIENNA OAKS LAKE AND MAIN CHANNEL CONFLUENCE TO FINISHED ELEVATIONS, INCLUDES ALL REQUIRED FILL, EXCAVATION AND HAULING, COMPLETE IN PLACE	LS	1	\$22,000.00	\$22,000.00	\$49,425.00	\$49,425.00	\$4,000.00	\$4,000.00
4	MOBILIZATION, INCLUDES BONDS, INSURANCE, ETC., COMPLETE IN PLACE	LS	1	\$38,000.00	\$38,000.00	\$52,950.00	\$52,950.00	\$50,000.00	\$50,000.00
5	INSTALLATION AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO.4711, INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$6,800.00	\$6,800.00	\$3,200.00	\$3,200.00	\$6,500.00	\$6,500.00
6	CITY OF MISSOURI CITY (COMC) CONSTRUCTION PERMIT (PERCENT OF CONSTRUCTION COSTS), COMPLETE IN PLACE	LS	1	\$12,000.00	\$12,000.00	\$12,950.00	\$12,950.00	\$18,000.00	\$18,000.00
7	DEWATERING OF LAKE BOTTOM AND SIDE SLOPES TO ALLOW FOR EXCAVATION (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	250	\$20.00	\$5,000.00	\$50.00	\$12,500.00	\$15.00	\$3,750.00
8	FILL OF SIENNA OAKS LAKE CLAY LINER, INCLUDES EXCAVATION OF MATERIAL SUITABLE FOR LAKE LINING FROM SITE, FILLING IN MAXIMUM 8" LIFTS UNTIL 3" THICK (MIN.) AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, TO BE DONE ONLY AS DIRECTED BY THE ENGINEER	CY	405	\$13.00	\$5,265.00	\$11.75	\$4,758.75	\$35.00	\$14,175.00
9	ALL MODIFICATIONS TO EXISTING CONCRETE HARD EDGE, INCLUDING REMOVAL AND DISPOSAL OF THE EXISTING HARD EDGE AND SLOPE PAVING AND CONSTRUCTION OF LAKE CONCRETE HARD EDGE (4000 PSI COMPRESSIVE STRENGTH) CONSTRUCTION DETAIL PER PLAN SET (INCLUDES RUBBED FINISH FROM TOP OF WALL TO 18" BELOW WATER SURFACE ELEVATION), INCLUDES TRENCHING, SEALED JOINTS, REBAR, 4" CEMENT STABILIZED SAND, AND ALL OTHER APPURTENANCE TO ENSURE LEAK PROOF STRUCTURE, COMPLETE IN PLACE	LF	20	\$760.00	\$15,200.00	\$552.25	\$11,045.00	\$100.00	\$2,000.00
10	SURFACE WATER CONTROL FOR CONSTRUCTION, INCLUDING ANY COFFER DAMS, SHORING OR BYPASS PUMPING REQUIRED FOR WATER MANAGEMENT	LS	1	\$28,000.00	\$28,000.00	\$25,000.00	\$25,000.00	\$50,000.00	\$50,000.00
11	DEMUCK, SCARIFY, AND PROOF ROLL EXISTING LAKE BOTTOM FOR CONSTRUCTION OF SHEET PILE STRUCTURE, PLACEMENT OF FILL, AND CONSTRUCTION OF SLOPE PAVING	SY	4000	\$3.80	\$15,200.00	\$12.75	\$51,000.00	\$3.50	\$14,000.00
12	WATERING CLAY LINER TO INSURE THAT LINER MAINTAINS MOISTURE REQUIREMENTS DICTATED, INCLUDES WATERING TRUCK, TEMPORARY IRRIGATION SYSTEM, OR ANY MEANS NECESSARY TO KEEP CLAY MOIST, COMPLETE IN PLACE.	WEEK	18	\$1,000.00	\$18,000.00	\$1,225.00	\$22,050.00	\$150.00	\$2,700.00
SIENNA OAKS LAKE IMPROVEMENT ITEMS SUBTOTAL:					\$210,765.00		\$305,378.75		\$229,425.00
SHEET PILE STRUCTURE ITEMS									

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ITEM	DESCRIPTION	UNIT	QTY	1) SOLID BRIDGE CONSTRUCTION		2) HARRIS CONSTRUCTION COMPANY, LLC		3) NBG CONSTRUCTORS, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	SHEET PILE STRUCTURE (AZ 12-770 OR APPROVED EQUAL) ASTM A-572, GRADE 50 STEEL WITH 19 MIL DRY FILM THICKNESS (DFT) COAL TAR EPOXY BOTH SIDES OF ALL SHEET PILE ABOVE EL=30' IN ACCORDANCE WITH THE PLANS AND MANUFACTURER'S RECOMMENDATIONS. INCLUDES CONNECTION OF SHEET PILE STRUCTURE TO SLOPE PAVEMENT, COMPLETE IN PLACE	SF	5198	\$78.00	\$395,048.00	\$60.15	\$312,659.70	\$70.00	\$363,860.00
2	SLOPE PAVEMENT TIE TO SHEET PILE (W 8 X 40) ASTM A 992 GR 50 (40 LBS/LF) HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A 123. INCLUDES ALL CONNECTIONS COMPLETE IN PLACE	LF	150	\$145.00	\$21,750.00	\$341.25	\$51,187.50	\$190.00	\$28,500.00
3	SLOPE PAVEMENT TIE TO SHEET PILE (L 4 X 4 X 3/8") ASTM A 36 (10 LBS/LF) HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A 123. INCLUDES ALL CONNECTIONS COMPLETE IN PLACE	LF	150	\$65.00	\$9,750.00	\$294.15	\$44,122.50	\$120.00	\$18,000.00
4	6" CONCRETE SLOPE PAVEMENT WITH 2' MINIMUM TOE WALLS ALL AROUND, INCLUDES STAINING AND SEALING SLOPE PAVEMENT COLOR TO BE DETERMINED BY DEVELOPER, COMPLETE IN PLACE	SY	5570	\$98.00	\$545,860.00	\$94.75	\$527,757.50	\$140.00	\$779,800.00
5	18" THICK RIP RAP, COMPLETE IN PLACE	SY	343	\$93.00	\$31,899.00	\$112.50	\$38,587.50	\$225.00	\$77,175.00
SHEET PILE STRUCTURE ITEMS SUBTOTAL:					\$1,004,307.00		\$974,314.70		\$1,267,335.00
MISCELLANEOUS ITEMS									
1	STANDARD DEDUCT FOR VARIANCE REQUESTS SUBMITTED BY THE ENGINEER ON BEHALF OF THE CONTRACTOR. (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	0	\$0.00	\$0.00	\$1,000.00	\$0.00	-\$100.00	\$0.00
2	STANDARD DEDUCT FOR STREET CLEANING (AS DIRECTED BY THE OWNER), COMPLETE IN PLACE	HR	0	\$0.00	\$0.00	\$125.00	\$0.00	-\$25.00	\$0.00
3	STANDARD DEDUCT FOR DAMAGE TO WETLANDS FENCING BY THE CONTRACTOR (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	0	\$0.00	\$0.00	\$10.00	\$0.00	-\$1.50	\$0.00
4	STANDARD DEDUCT FOR DAMAGE TO A TREE MARKED FOR PRESERVATION, (AS DIRECTED BY THE OWNER), COMPLETE IN PLACE	EA	0	\$0.00	\$0.00	\$1,000.00	\$0.00	-\$100.00	\$0.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$0.00		\$0.00		\$0.00
BIDDING SUMMARY									
SUBTOTAL SIENNA OAKS LAKE IMPROVEMENT ITEMS					\$210,765.00		\$305,378.75		\$229,425.00
SUBTOTAL SHEET PILE STRUCTURE ITEMS					\$1,004,307.00		\$974,314.70		\$1,267,335.00
SUBTOTAL MISCELLANEOUS ITEMS					\$0.00		\$0.00		\$0.00
TOTAL AMOUNT BASE BID					\$1,215,072.00		\$1,279,693.45		\$1,496,760.00

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ITEM	DESCRIPTION	UNIT	QTY	4) CE BARKER LTD		5) TLC CONSTRUCTION CONTRACT SERVICES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
SIENNA OAKS LAKE IMPROVEMENT ITEMS							
1	METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR, PER GENE BAKER, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00
2	EXCAVATION SPOILS TO BE USED ON-SITE FOR CONSTRUCTION OF SHEET PILE STRUCTURE AND PROPOSED GRADING, INCLUDING NECESSARY BENCHING, PLACED & COMPACTED TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, AS PER GEOTECHNICAL ENGINEER'S RECOMMENDATION, COMPLETE IN PLACE	CY	3800	\$24.00	\$91,200.00	\$31.50	\$119,700.00
3	FINAL GRADING OF PROJECT AREA OF SIENNA OAKS LAKE AND MAIN CHANNEL CONFLUENCE TO FINISHED ELEVATIONS, INCLUDES ALL REQUIRED FILL, EXCAVATION AND HAULING, COMPLETE IN PLACE	LS	1	\$11,760.00	\$11,760.00	\$14,824.00	\$14,824.00
4	MOBILIZATION, INCLUDES BONDS, INSURANCE, ETC., COMPLETE IN PLACE	LS	1	\$95,000.00	\$95,000.00	\$130,408.00	\$130,408.00
5	INSTALLATION AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO.4711, INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$2,400.00	\$2,400.00	\$4,221.00	\$4,221.00
6	CITY OF MISSOURI CITY (COMC) CONSTRUCTION PERMIT (PERCENT OF CONSTRUCTION COSTS), COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00	\$23,153.00	\$23,153.00
7	DEWATERING OF LAKE BOTTOM AND SIDE SLOPES TO ALLOW FOR EXCAVATION (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	250	\$140.00	\$35,000.00	\$45.00	\$11,250.00
8	FILL OF SIENNA OAKS LAKE CLAY LINER, INCLUDES EXCAVATION OF MATERIAL SUITABLE FOR LAKE LINING FROM SITE, FILLING IN MAXIMUM 8" LIFTS UNTIL 3' THICK (MIN.) AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, TO BE DONE ONLY AS DIRECTED BY THE ENGINEER	CY	405	\$59.00	\$23,895.00	\$76.00	\$30,780.00
9	ALL MODIFICATIONS TO EXISTING CONCRETE HARD EDGE, INCLUDING REMOVAL AND DISPOSAL OF THE EXISTING HARD EDGE AND SLOPE PAVING AND CONSTRUCTION OF LAKE CONCRETE HARD EDGE (4000 PSI COMPRESSIVE STRENGTH) CONSTRUCTION DETAIL PER PLAN SET (INCLUDES RUBBED FINISH FROM TOP OF WALL TO 18" BELOW WATER SURFACE ELEVATION), INCLUDES TRENCHING, SEALED JOINTS, REBAR, 4" CEMENT STABILIZED SAND, AND ALL OTHER APPURTENANCE TO ENSURE LEAK PROOF STRUCTURE, COMPLETE IN PLACE	LF	20	\$1,700.00	\$34,000.00	\$292.00	\$5,840.00
10	SURFACE WATER CONTROL FOR CONSTRUCTION, INCLUDING ANY COFFER DAMS, SHORING OR BYPASS PUMPING REQUIRED FOR WATER MANAGEMENT	LS	1	\$70,000.00	\$70,000.00	\$49,081.00	\$49,081.00
11	DEMUCK, SCARIFY, AND PROOF ROLL EXISTING LAKE BOTTOM FOR CONSTRUCTION OF SHEET PILE STRUCTURE, PLACEMENT OF FILL, AND CONSTRUCTION OF SLOPE PAVING	SY	4000	\$9.00	\$36,000.00	\$12.00	\$48,000.00
12	WATERING CLAY LINER TO INSURE THAT LINER MAINTAINS MOISTURE REQUIREMENTS DICTATED, INCLUDES WATERING TRUCK, TEMPORARY IRRIGATION SYSTEM, OR ANY MEANS NECESSARY TO KEEP CLAY MOIST, COMPLETE IN PLACE.	WEEK	18	\$2,000.00	\$36,000.00	\$2,092.00	\$37,656.00
SIENNA OAKS LAKE IMPROVEMENT ITEMS SUBTOTAL:					\$468,755.00		\$478,413.00
SHEET PILE STRUCTURE ITEMS							

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ITEM	DESCRIPTION	UNIT	QTY	4) CE BARKER LTD		5) TLC CONSTRUCTION CONTRACT SERVICES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	SHEET PILE STRUCTURE (AZ 12-770 OR APPROVED EQUAL) ASTM A-572, GRADE 50 STEEL WITH 19 MIL DRY FILM THICKNESS (DFT) COAL TAR EPOXY BOTH SIDES OF ALL SHEET PILE ABOVE EL=30' IN ACCORDANCE WITH THE PLANS AND MANUFACTURER'S RECOMMENDATIONS. INCLUDES CONNECTION OF SHEET PILE STRUCTURE TO SLOPE PAVEMENT, COMPLETE IN PLACE	SF	5198	\$80.00	\$311,880.00	\$118.00	\$613,364.00
2	SLOPE PAVEMENT TIE TO SHEET PILE (W 8 X 40) ASTM A 992 GR 50 (40 LBS/LF). HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A 123. INCLUDES ALL CONNECTIONS COMPLETE IN PLACE	LF	150	\$200.00	\$30,000.00	\$211.00	\$31,650.00
3	SLOPE PAVEMENT TIE TO SHEET PILE (L 4 X 4 X 3/8") ASTM A 36 (10 LBS/LF). HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A 123. INCLUDES ALL CONNECTIONS COMPLETE IN PLACE	LF	150	\$160.00	\$24,000.00	\$124.00	\$18,600.00
4	6" CONCRETE SLOPE PAVEMENT WITH 2' MINIMUM TOE WALLS ALL AROUND, INCLUDES STAINING AND SEALING SLOPE PAVEMENT COLOR TO BE DETERMINED BY DEVELOPER, COMPLETE IN PLACE	SY	5570	\$143.00	\$796,510.00	\$147.00	\$818,790.00
5	18" THICK RIP RAP, COMPLETE IN PLACE	SY	343	\$136.00	\$46,848.00	\$114.00	\$39,102.00
SHEET PILE STRUCTURE ITEMS SUBTOTAL:					\$1,209,038.00		\$1,521,508.00
MISCELLANEOUS ITEMS							
1	STANDARD DEDUCT FOR VARIANCE REQUESTS SUBMITTED BY THE ENGINEER ON BEHALF OF THE CONTRACTOR. (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	0	\$100.00	\$0.00	\$10,000.00	\$0.00
2	STANDARD DEDUCT FOR STREET CLEANING (AS DIRECTED BY THE OWNER), COMPLETE IN PLACE	HR	0	\$100.00	\$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	\$1.00	\$0.00	\$4.00	\$0.00
4	STANDARD DEDUCT FOR DAMAGE TO A TREE MARKED FOR PRESERVATION, (AS DIRECTED BY THE OWNER), COMPLETE IN PLACE	EA	0	\$500.00	\$0.00	\$30,000.00	\$0.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$0.00		\$0.00
BIDDING SUMMARY							
SUBTOTAL SIENNA OAKS LAKE IMPROVEMENT ITEMS					\$468,755.00		\$478,413.00
SUBTOTAL SHEET PILE STRUCTURE ITEMS					\$1,209,038.00		\$1,521,508.00
SUBTOTAL MISCELLANEOUS ITEMS					\$0.00		\$0.00
TOTAL AMOUNT BASE BID					\$1,677,793.00		\$1,999,919.00

