

BID TABULATION FOR:

CONSTRUCTION OF THE WATER AND DRAINAGE FACILITIES & PAVING AND APPURTENANCES
TO SERVE MANVEL PARKWAY EXTENSION PHASE 1
BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 43
CITY OF MANVEL, BRAZORIA COUNTY, TEXAS
JULY 11, 2024
LJA ENGINEERING, INC.
C CORTEZ
JULY 11, 2024
2197-2401B & 2197-2401C (9.2)

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

BIDDER'S NAME	TOTAL AMOUNT BID	
1) PRINCIPAL SERVICES, LTD	\$722,508.10	21/28
2) RODRIGUEZ CONSTRUCTION GROUP, LLC	\$768,711.00	45/60



I, ROBERT BOOTH, P.E., hereby certify these bid tabulations to be true and correct.

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ITEM	DESCRIPTION	UNIT	QTY	1) PRINCIPAL SERVICES, LTD		2) RODRIGUEZ CONSTRUCTION GROUP, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
WATER SYSTEM ITEMS							
1	6" PVC WATER LINE, AWWA C-900, SDR 18, CLASS 235, INCLUDES FITTINGS AND VALVES & BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	4	\$49.00	\$196.00	\$36.00	\$144.00
2	12" PVC WATER LINE, AWWA C-900, SDR 18, CLASS 235, INCLUDES FITTINGS AND VALVES & BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	156	\$91.00	\$14,196.00	\$73.02	\$11,391.12
3	12" PVC RESTRAINED JOINT WATER LINE, AWWA C-900, DR 14, CLASS 305, INCLUDES RESTRAINED JOINT FITTINGS, VERTICAL ASSEMBLY, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	91	\$147.00	\$13,377.00	\$135.60	\$12,339.60
4	12" AWWA GATE VALVE AND BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$4,299.00	\$4,299.00	\$4,200.00	\$4,200.00
5	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE AND BOX, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	1	\$7,814.00	\$7,814.00	\$8,070.00	\$8,070.00
6	REMOVE AND RELOCATE EXISTING END-OF-LINE FIRE HYDRANT UNIT, INCLUDES ALL FITTINGS AND ADAPTERS OR REPAIRS NECESSARY, AND CONNECTION OF PROPOSED WATER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$1,800.00	\$1,800.00
7	20" STEEL CASING FOR 12" WATER LINE, INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	46	\$80.00	\$3,680.00	\$255.60	\$11,757.60
8	TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	251	\$0.10	\$25.10	\$1.20	\$301.20
9	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	126	\$0.10	\$12.60	\$40.00	\$5,040.00
WATER SYSTEM ITEMS SUBTOTAL:					\$44,099.70		\$55,043.52
STORM SEWER SYSTEM ITEMS							
1	6' X 5' REINFORCED CONCRETE PRE-CAST OR REINFORCED CONCRETE CAST-IN-PLACE BOX CULVERT, ASTM C-76, ALL DEPTHS, COMPLETE IN PLACE	LF	594	\$857.00	\$509,058.00	\$822.00	\$488,268.00
2	5" REINFORCED CONCRETE SLOPE PAVING, INCLUDES TOE WALLS ALL AROUND, INCLUDES WEEP HOLES AND EXPANSION JOINTS, INCLUDES CUTTING PIPE FLUSH WITH SLOPE PAVEMENT, COMPLETE IN PLACE	SY	290	\$115.00	\$33,350.00	\$126.00	\$36,540.00
3	SAFETY END TREATMENT FOR 6' X 5' BOX CULVERTS, (QUANTITY INCLUDES UPSTREAM AND DOWNSTREAM OPENINGS), COMPLETE IN PLACE	EA	6	\$500.00	\$3,000.00	\$2,400.00	\$14,400.00
4	MISCELLANEOUS DRAINAGE SWALES, 4:1 SIDE SLOPES, V-BOTTOM, ALL DEPTHS, INCLUDES EXCAVATION, HAULING, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	111	\$9.00	\$999.00	\$24.00	\$2,664.00
5	REGRADE EXISTING BDD4 STATE DITCH (PER SHEET 08 OF 24 ON PLANS), ALL DEPTHS, INCLUDES EXCAVATION, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$9,000.00	\$9,000.00
6	BYPASS PUMPING FOR BOX CULVERT CONSTRUCTION AS NECESSARY, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	DAY	7	\$100.00	\$700.00	\$420.00	\$2,940.00

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ITEM	DESCRIPTION	UNIT	QTY	1) PRINCIPAL SERVICES, LTD		2) RODRIGUEZ CONSTRUCTION GROUP, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
7	T.V. INSPECTION OF STORM SEWER LINES, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), CLEANING OF LINES PRIOR TO INSPECTION IS INCIDENTAL, COMPLETE IN PLACE	LF	594	\$1.00	\$594.00	\$3.60	\$2,138.40
8	TRENCH SAFETY SYSTEM FOR ALL STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	594	\$0.10	\$59.40	\$1.20	\$712.80
9	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	297	\$20.00	\$5,940.00	\$20.00	\$5,940.00
10	ADDITIONAL COST FOR MODIFIED "A-A" STORM BEDDING (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	149	\$20.00	\$2,980.00	\$20.00	\$2,980.00
STORM SEWER SYSTEM ITEMS SUBTOTAL:					\$557,180.40		\$565,583.20
MISCELLANEOUS ITEMS (WS&D)							
1	METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR, COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00	\$6,600.00	\$6,600.00
2	WATER AND STORM SEWER UTILITY SPOILS, TO BE USED FOR ONSITE ROADWAY AND SPECIFIED FILL AREAS (PER GRADING PLAN), INCLUDES HAULING, PLACING, AND COMPACTION TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, COMPLETE IN PLACE	CY	50	\$7.50	\$375.00	\$6.00	\$300.00
3	EXTRA CEMENT STABILIZED SAND, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$25.00	\$2,500.00	\$25.00	\$2,500.00
4	INSTALL, MAINTAIN, AND REMOVE REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	788	\$1.00	\$788.00	\$3.60	\$2,836.80
5	INSTALL, MAINTAIN, AND REMOVAL UPON COMPLETION OF CONCRETE WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$1,800.00	\$1,800.00
6	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	2	\$50.00	\$100.00	\$120.00	\$240.00
7	INSTALL ROCK FILTER DAM, TYPE 3, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$1,140.00	\$2,280.00
8	INSTALL TEMPORARY COFFER DAM (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), INCLUDES PUMPING, INSTALLATION AND REMOVAL UPON COMPLETION, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$6,600.00	\$6,600.00
MISCELLANEOUS ITEMS (WS&D) SUBTOTAL:					\$9,763.00		\$23,156.80
PAVING ITEMS							
1	EXCAVATION TO BE USED FOR ONSITE ROADWAY AND SPECIFIED FILL AREAS (PER GRADING PLAN), INCLUDES HAULING, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	370	\$7.50	\$2,775.00	\$7.20	\$2,664.00
2	PLACEMENT AND COMPACTION OF MATERIAL FROM DESIGNATED STOCKPILE, INCLUDES HAULING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND FINAL SITE GRADING, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	4810	\$7.50	\$36,075.00	\$9.00	\$43,290.00
3	6" CRUSHED CONCRETE FOR TEMPORARY ALL-WEATHER ACCESS ROAD, COMPLETE IN PLACE	SY	292	\$50.00	\$14,600.00	\$38.40	\$11,212.80
4	7" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	350	\$100.00	\$35,000.00	\$103.20	\$36,120.00

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ITEM	DESCRIPTION	UNIT	QTY	1) PRINCIPAL SERVICES, LTD		2) RODRIGUEZ CONSTRUCTION GROUP, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5	6" LIME SUB-GRADE (MANIPULATION), INCLUDES PROOF ROLLING (AS PER CITY OF MANVEL REQUIREMENTS) AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	SY	384	\$25.00	\$9,600.00	\$18.00	\$6,912.00
6	LIME FOR 6" STABILIZED SUBGRADE PREPARATION, 8% BY DRY WEIGHT (37 LBS/SY) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	7.1	\$500.00	\$3,550.00	\$402.00	\$2,854.20
7	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	252	\$5.00	\$1,260.00	\$6.00	\$1,512.00
8	REINFORCED CONCRETE PAVING HEADER, COMPLTE IN PLACE	LF	25	\$15.00	\$375.00	\$39.60	\$990.00
9	CONNECT PROPOSED 7" REINFORCED CONCRETE PAVEMENT TO EXISTING REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	LF	25	\$15.00	\$375.00	\$84.00	\$2,100.00
10	INSTALL DUAL TIGER TEETH STORE SWING PRIVATE ACCESS GATE, MODEL NO. 14010-12, INCLUDES KNOX BOX, (PER DETAIL ON SHEET 19 OF 24 OF PLANS), OR APPROVED EQUAL, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$6,000.00	\$6,000.00
11	4" SQUARE DOUBLE REFLECTORIZED BLUE TRAFFIC BUTTONS FOR FIRE HYDRANT LOCATION, COMPLETE IN PLACE	EA	1	\$10.00	\$10.00	\$18.00	\$18.00
12	PERMANENT TRAFFIC CONTROL DEVICES, INCLUDES ALL TRAFFIC BUTTONS, PAVEMENT STRIPING, MARKERS, REFLECTIVE PAINT ON MEDIAN NOSES, STOP SIGNS, STREET SIGNS, AND ALL OTHER TRAFFIC SIGNS SHOWN IN THE CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,584.48	\$1,584.48
PAVING ITEMS SUBTOTAL:					\$106,120.00		\$115,257.48
MISCELLANEOUS ITEMS (PAVING)							
1	HAUL AND DISPOSE OF EXCAVATED MATERIAL, OUTSIDE OF THE DEVELOPMENT IN A LEGAL MANNER, (ONLY TO BE USED AT THE DIRECTION OF THE ENGINEER), INCLUDES ALL PERMITS AND DISPOSAL FEES, COMPLETE IN PLACE	CY	50	\$7.50	\$375.00	\$24.00	\$1,200.00
2	EXTRA CEMENT STABILIZED SAND, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	50	\$25.00	\$1,250.00	\$25.00	\$1,250.00
3	EXTRA REINFORCED FILTER FABRIC FENCING, INCLUDES CONTINUED MAINTENANCE AND REMOVAL UPON COMPLETION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$2.00	\$200.00	\$6.00	\$600.00
4	EXTRA BURLAP BAG BARRIER ON INLET, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	2	\$10.00	\$20.00	\$10.00	\$20.00
5	LIGHT CLEARING AND GRUBBING, MATERIAL TO BE HAULED OFFSITE (INCLUDES REMOVAL OF TREES, ROOT RAKING, BACK DRAGGING, AND TRANSPORTING), TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	1	\$2,000.00	\$2,000.00	\$1,800.00	\$1,800.00
6	BROADCAST SEEDING AND WATERING TO AT LEAST 80% GERMINATION, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	0.5	\$1,000.00	\$500.00	\$3,600.00	\$1,800.00
7	HYDRO-MULCH SEEDING AND WATERING TO ATLEAST 95% GERMINATION, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	0.5	\$2,000.00	\$1,000.00	\$6,000.00	\$3,000.00
MISCELLANEOUS ITEMS (PAVING) SUBTOTAL:					\$5,345.00		\$9,670.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<u>BIDDING SUMMARY</u>							
	SUBTOTAL WATER SYSTEM ITEMS				\$44,099.70		\$55,043.52
	SUBTOTAL STORM SEWER SYSTEM ITEMS				\$557,180.40		\$565,583.20
	SUBTOTAL MISCELLANEOUS ITEMS (WS&D)				\$9,763.00		\$23,156.80
	SUBTOTAL PAVING ITEMS				\$106,120.00		\$115,257.48
	SUBTOTAL MISCELLANEOUS ITEMS (PAVING)				\$5,345.00		\$9,670.00
	TOTAL AMOUNT BASE BID				\$722,508.10		\$768,711.00

LJA Engineering, Inc.