

BID TABULATION FOR:

WATER, SANITARY SEWER AND DRAINAGE FACILITIES & PAVING AND APPURTENANCES
TO SERVE BRIDGELAND JACK ROAD PHASE II
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 491
CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
NOVEMBER 19, 2021
LJA ENGINEERING, INC.
A. CAROTHERS
NOVEMBER 29, 2021
1104-6201A (9.2)

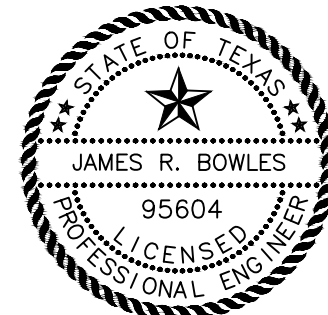
BID OPENING DATE:
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BIDDER'S NAME	TOTAL AMOUNT BID	BID INCLUDING ALTERNATE BID ITEM
1) UNITAS CONSTRUCTION, INC.	\$3,207,077.00	\$3,210,377.00
2) DURWOOD GREENE CONSTRUCTION CO.	\$3,777,345.20	\$3,781,745.20
3) CE BARKER, LTD	\$4,179,776.69	\$4,183,178.39
4) R CONSTRUCTION CIVIL	\$4,285,781.70	\$4,288,981.70
5) TLC CONSTRUCTION CONTRACT SERVICES	\$4,538,502.96	\$4,548,306.96

CALENDAR DAYS 102/107



I, Randy Bowles, PE, hereby certify these bid tabulations to be true and correct.



11/29/2021

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
WATER ITEMS									
1	16" PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	384	\$103.00	\$39,552.00	\$200.00	\$76,800.00	\$118.47	\$45,492.48
2	16" RESTRAINED JOINT PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	636	\$145.00	\$92,220.00	\$142.00	\$90,312.00	\$156.16	\$99,317.76
3	16" PVC N.P.W.L. (PURPLE PIPE) WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	16	\$168.00	\$2,688.00	\$615.00	\$9,840.00	\$177.69	\$2,843.04
4	12" PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	471	\$69.00	\$32,499.00	\$90.00	\$42,390.00	\$64.52	\$30,388.92
5	12" RESTRAINED JOINT PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	149	\$85.00	\$12,665.00	\$88.00	\$13,112.00	\$91.98	\$13,705.02
6	12" PVC N.P.W.L. (PURPLE PIPE) WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1872	\$68.00	\$127,296.00	\$110.00	\$205,920.00	\$64.52	\$120,781.44
7	12" RESTRAINED JOINT PVC WATER PIPE FOR N.P.W.L., AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	492	\$83.00	\$40,836.00	\$90.00	\$44,280.00	\$90.27	\$44,412.84
8	8" PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	801	\$40.00	\$32,040.00	\$49.00	\$39,249.00	\$36.45	\$29,196.45
9	8" RESTRAINED JOINT PVC WATER PIPE FOR N.P.W.L., AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	132	\$47.00	\$6,204.00	\$53.00	\$6,996.00	\$46.70	\$6,164.40
10	TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	4953	\$1.00	\$4,953.00	\$0.15	\$742.95	\$0.01	\$49.53
11	16" AWWA BUTTERFLY VALVE AND BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$5,790.00	\$17,370.00	\$7,500.00	\$22,500.00	\$7,417.72	\$22,253.16
12	12" AWWA GATE VALVE AND BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$2,695.00	\$13,475.00	\$2,920.00	\$14,600.00	\$3,049.57	\$15,247.85
13	8" AWWA GATE VALVE AND BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$1,430.00	\$4,290.00	\$1,700.00	\$5,100.00	\$1,559.91	\$4,679.73
14	PLUG AND CLAMP, ALL SIZES, COMPLETE IN PLACE	EA	6	\$595.00	\$3,570.00	\$70.00	\$420.00	\$1,107.92	\$6,647.52
15	2" BLOW OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	6	\$900.00	\$5,400.00	\$630.00	\$3,780.00	\$1,330.00	\$7,980.00
16	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, LEAD, FLUSHING VALVE, COMPLETE IN PLACE	EA	6	\$4,330.00	\$25,980.00	\$4,600.00	\$27,600.00	\$5,405.73	\$32,434.38
17	REMOVE PLUG AND CLAMP AND 2" BLOW OFF VALVE AND BOX AND CONNECT PROPOSED WATER LINE, ALL SIZES, COMPLETE IN PLACE	EA	3	\$380.00	\$1,140.00	\$450.00	\$1,350.00	\$1,324.20	\$3,972.60
WATER ITEMS SUBTOTAL:					\$462,178.00		\$604,991.95		\$485,567.12
SANITARY ITEMS									
1	15" PVC SANITARY SEWER PIPE, ASTM D-3034, SDR 26, 16'-20' DEPTH, COMPLETE IN PLACE	LF	814	\$112.00	\$91,168.00	\$173.00	\$140,822.00	\$116.95	\$95,197.30
2	12" PVC SANITARY SEWER PIPE, ASTM D-2241, SDR 26, 16'-20' DEPTH, COMPLETE IN PLACE	LF	492	\$81.00	\$39,852.00	\$94.00	\$46,248.00	\$96.87	\$47,660.04
3	8" PVC SANITARY SEWER PIPE, ASTM D-2241, SDR 26, 16'-20' DEPTH, COMPLETE IN PLACE	LF	982	\$61.00	\$59,902.00	\$72.00	\$70,704.00	\$77.45	\$76,055.90
4	STANDARD SANITARY SEWER MANHOLE (0'-8' DEPTH), INCLUDES INFLOW PROTECTOR, COMPLETE IN PLACE	EA	11	\$2,815.00	\$30,965.00	\$2,700.00	\$29,700.00	\$2,792.91	\$30,722.01

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ITEM	DESCRIPTION	UNIT	QTY	1) UNITAS CONSTRUCTION, INC.		2) DURWOOD GREENE CONSTRUCTION CO.		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5	EXTRA DEPTH ON SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	112.4	\$181.00	\$20,344.40	\$140.00	\$15,736.00	\$185.72	\$20,874.93
6	TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	2288	\$1.00	\$2,288.00	\$0.15	\$343.20	\$0.01	\$22.88
7	T.V. INSPECTION FOR SANITARY SEWER SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2288	\$4.00	\$9,152.00	\$3.80	\$8,694.40	\$0.01	\$22.88
8	REMOVE SANITARY SEWER PLUG AND CONNECT PROPOSED SANITARY SEWER, ALL SIZES, COMPLETE IN PLACE	EA	2	\$165.00	\$330.00	\$450.00	\$900.00	\$624.05	\$1,248.10
9	SANITARY SEWER DROP CONNECTION, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$765.00	\$765.00	\$1,000.00	\$1,000.00	\$1,416.13	\$1,416.13
10	8" SANITARY PLUG, COMPLETE IN PLACE	EA	2	\$385.00	\$770.00	\$100.00	\$200.00	\$223.86	\$447.72
SANITARY ITEMS SUBTOTAL:					\$255,536.40		\$314,347.60		\$273,667.89
DRAINAGE ITEMS									
1	24" RCP STORM SEWER PIPE, ASTM C-76, CLASS III, COMPLETE IN PLACE	LF	1805	\$63.00	\$113,715.00	\$67.50	\$121,837.50	\$86.66	\$156,421.30
2	30" RCP STORM SEWER PIPE, ASTM C-76, CLASS III, COMPLETE IN PLACE	LF	97	\$79.00	\$7,663.00	\$102.00	\$9,894.00	\$106.73	\$10,352.81
3	10' X 4' RCB STORM SEWER BOX, ASTM C-1433, COMPLETE IN PLACE	LF	884	\$691.00	\$610,844.00	\$730.00	\$645,320.00	\$981.54	\$867,681.36
4	TRENCH SAFETY SYSTEM, ALL DEPTHS AND SIZES, COMPLETE IN PLACE	LF	2786	\$1.00	\$2,786.00	\$0.15	\$417.90	\$0.01	\$27.86
5	TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	7	\$3,660.00	\$25,620.00	\$2,350.00	\$16,450.00	\$3,282.73	\$22,979.11
6	TYPE "C" MANHOLE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,763.00	\$3,526.00	\$2,520.00	\$5,040.00	\$3,131.91	\$6,263.82
7	PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE JUNCTION BOX FOR 10'X4' BOX CULVERT, INCLUDES TYPE "C" MANHOLE TOP, ALL DEPTHS & SIZES, ADJUSTMENT, COMPLETE IN PLACE	EA	3	\$24,300.00	\$72,900.00	\$51,000.00	\$153,000.00	\$15,931.69	\$47,795.07
8	OUTFALL STRUCTURE, ALL SIZES, INCLUDING SLOPE PAVING, COMPLETE IN PLACE	EA	1	\$8,250.00	\$8,250.00	\$16,400.00	\$16,400.00	\$5,636.27	\$5,636.27
9	STAGE I – TYPE "C-1" REINFORCED CONCRETE PRECAST CURB INLET, ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	4	\$1,282.00	\$5,128.00	\$1,400.00	\$5,600.00	\$1,495.58	\$5,982.32
10	STAGE II – TYPE "C-1" REINFORCED CONCRETE PRECAST CURB INLET, INCLUDES STAGE II INLET PROTECTION, COMPLETE IN PLACE	EA	4	\$2,035.00	\$8,140.00	\$3,100.00	\$12,400.00	\$1,612.88	\$6,451.52
11	STAGE I – TYPE "C-2" REINFORCED CONCRETE PRECAST CURB INLET, ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	6	\$1,160.00	\$6,960.00	\$1,400.00	\$8,400.00	\$1,730.18	\$10,381.08
12	STAGE II – TYPE "C-2" REINFORCED CONCRETE PRECAST CURB INLET, INCLUDES STAGE II INLET PROTECTION, COMPLETE IN PLACE	EA	6	\$2,827.00	\$16,962.00	\$4,100.00	\$24,600.00	\$1,612.88	\$9,677.28
13	ADDITIONAL COST TO CONNECT PROPOSED STAGE 1 INLETS NO. 701 & 702 TO PROPOSED 10'X4' R.C. BOX, COMPLETE IN PLACE	EA	2	\$1,815.00	\$3,630.00	\$1,400.00	\$2,800.00	\$1,173.00	\$2,346.00
14	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER WITH TYPE "E" INLET TOP, ALL DEPTHS, INCLUDES ADJUSTMENT, COMPLETE IN PLACE	EA	3	\$4,123.00	\$12,369.00	\$3,400.00	\$10,200.00	\$4,304.91	\$12,914.73
15	ROADSIDE DITCH EXCAVATION ALONG JACK ROAD, COMPLETE IN PLACE	CY	3700	\$5.00	\$18,500.00	\$6.00	\$22,200.00	\$8.08	\$29,896.00
16	138" BEND FOR 10'X4' RCB STORM SEWER, COMPLETE IN PLACE	EA	2	\$4,950.00	\$9,900.00	\$4,100.00	\$8,200.00	\$11,691.93	\$23,383.86
DRAINAGE ITEMS SUBTOTAL:					\$926,893.00		\$1,062,759.40		\$1,218,190.39
MISCELLANEOUS ITEMS									

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ITEM	DESCRIPTION	UNIT	QTY	1) UNITAS CONSTRUCTION, INC.		2) DURWOOD GREENE CONSTRUCTION CO.		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	STORM WATER POLLUTION PREVENTION PLAN, INCLUDES MAINTENANCE AND REMOVAL OF FILTER FABRIC FENCING, INLET PROTECTION, CONCRETE WASHOUT, AND CONSTRUCTION ENTRANCE, COMPLETE IN PLACE	LS	1	\$5,500.00	\$5,500.00	\$1,500.00	\$1,500.00	\$586.50	\$586.50
2	SUITABLE UTILITY SPOILS TO BE DISPOSED OF ONSITE, FOR FLOWING CREEK DRIVE AND LOW WATER CROSSING, (INCLUDES 4" STRIPPINGS, STOCKPILING AND REAPPLICATION OF STRIPPINGS TO FILL AREAS), COMPACTION TO 95% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH GRADING PLAN, INCLUDES HAULING (NO GREATER THAN 0.75 MILE), COMPLETE IN PLACE	CY	11100	\$4.00	\$44,400.00	\$4.00	\$44,400.00	\$2.94	\$32,634.00
3	SANITARY SEWER WET SAND CONSTRUCTION AS PER DETAILS AND RECOMMENDED BY GEOTECHNICAL ENGINEER, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1144	\$5.00	\$5,720.00	\$5.00	\$5,720.00	\$5.00	\$5,720.00
4	DEWATERING FOR SANITARY SEWER, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1144	\$20.00	\$22,880.00	\$20.00	\$22,880.00	\$20.00	\$22,880.00
5	DEWATERING FOR STORM SEWER, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1393	\$20.00	\$27,860.00	\$20.00	\$27,860.00	\$20.00	\$27,860.00
6	STORM SEWER WET SAND CONSTRUCTION AS PER DETAILS AND RECOMMENDED BY GEOTECHNICAL ENGINEER, ALL LINES AND DEPTH, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1393	\$5.00	\$6,965.00	\$5.00	\$6,965.00	\$5.00	\$6,965.00
7	EXTRA CEMENT STABILIZED SAND, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$16.00	\$1,600.00	\$35.00	\$3,500.00	\$25.50	\$2,550.00
8	CLEARING AND GRUBBING, TO INCLUDE CHIPPING AND HAULING OFFSITE OF CLEARED MATERIAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
9	INSTALL AND MAINTAIN LOW WATER CROSSING AS NEEDED FOR CONSTRUCTION, INCLUDING INSTALLATION OF DUAL 24" RCP CULVERT, MAINTENANCE OF THE CROSSING AND CULVERT, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LS	1	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,008.15	\$20,008.15
MISCELLANEOUS ITEMS SUBTOTAL:					\$142,425.00		\$140,325.00		\$126,703.65
PAVING ITEMS									
1	ROADWAY EXCAVATION, COMPLETE IN PLACE	CY	15804	\$4.00	\$63,216.00	\$4.50	\$71,118.00	\$4.11	\$64,954.44
2	COMPACTED FILL TO BE PLACED IN JACK ROAD PHASE II RIGHT OF WAY, COMPLETE IN PLACE	CY	5297	\$3.00	\$15,891.00	\$1.00	\$5,297.00	\$4.11	\$21,770.67
3	COMPACTED FILL TO BE PLACED FOR FLOWING CREEK DRIVE AND LOW WATER CROSSING, (95% STANDARD PROCTOR DENSITY WITH 6" LIFTS IN ACCORDANCE WITH THE GRADING PLAN), INCLUDES HAULING (NO GREATER THAN 0.75 MILE), COMPLETE IN PLACE	CY	5955	\$3.00	\$17,865.00	\$3.00	\$17,865.00	\$4.40	\$26,202.00
4	EXCAVATION FOR REGRADING OF EXISTING LAKE, COMPLETE IN PLACE	CY	803	\$3.00	\$2,409.00	\$10.00	\$8,030.00	\$8.21	\$6,592.63
5	COMPACTED FILL TO BE USED FOR REGRADING OF EXISTING LAKE, (95% STANDARD PROCTOR DENISTY WITH 6" LIFTS IN ACCORDANCE WITH THE GRADING PLAN), INCLUDES HAULING (NO GREATER THEN 0.75 MILE), COMPLETE IN PLACE	CY	5355	\$3.00	\$16,065.00	\$4.00	\$21,420.00	\$4.40	\$23,562.00
6	10" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	14742	\$65.00	\$958,230.00	\$75.00	\$1,105,650.00	\$80.70	\$1,189,679.40
7	7" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	276	\$56.00	\$15,456.00	\$70.00	\$19,320.00	\$68.03	\$18,776.28
8	BRICK PAVERS, COMPLETE IN PLACE	SY	133	\$110.00	\$14,630.00	\$220.00	\$29,260.00	\$222.87	\$29,641.71
9	8" LIME-FLY ASH STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	16151	\$3.00	\$48,453.00	\$3.75	\$60,566.25	\$3.52	\$56,851.52
10	HYDRATED LIME FOR 8" SUBGRADE (16 LB/SY OF STABILIZED SUBGRADE), BY DRY WEIGHT AS REQUIRED BY THE GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	129	\$210.00	\$27,090.00	\$210.00	\$27,090.00	\$281.52	\$36,316.08

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11	FLY ASH FOR 8" SUBGRADE (65 LB/SY OF STABILIZED SUBGRADE), BY DRY WEIGHT AS REQUIRED BY THE GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	525	\$100.00	\$52,500.00	\$100.00	\$52,500.00	\$146.63	\$76,980.75
12	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	7490	\$3.00	\$22,470.00	\$4.00	\$29,960.00	\$4.40	\$32,956.00
13	ARMOR SLOTTED CURB, AS SHOWN ON SHEET 42, COMPLETE IN PLACE	LF	1259	\$44.00	\$55,396.00	\$45.00	\$56,655.00	\$293.25	\$369,201.75
14	TIE INTO EXISTING PAVING HEADER, COMPLETE IN PLACE	EA	2	\$1,000.00	\$2,000.00	\$1,800.00	\$3,600.00	\$1,173.00	\$2,346.00
15	PERMANENT TRAFFIC CONTROL DEVICES, (INCLUDING ALL TRAFFIC BUTTONS, PAVEMENT STRIPING, WORDS AND DIRECTIONAL ARROWS, STREET SIGNS AND TRAFFIC SIGNS), COMPLETE IN PLACE	LS	1	\$11,000.00	\$11,000.00	\$26,000.00	\$26,000.00	\$30,498.00	\$30,498.00
16	TYPE 9 ADA RAMP, COMPLETE IN PLACE	EA	4	\$2,200.00	\$8,800.00	\$2,500.00	\$10,000.00	\$2,580.60	\$10,322.40
17	TYPE 7 ADA RAMP, COMPLETE IN PLACE	EA	2	\$1,650.00	\$3,300.00	\$1,800.00	\$3,600.00	\$2,346.00	\$4,692.00
18	STANDARD PAVING HEADER, COMPLETE IN PLACE	LF	197	\$15.00	\$2,955.00	\$15.00	\$2,955.00	\$29.33	\$5,778.01
19	TYPE III BARRICADE (INCLUDES REMOVAL AND RE-USE OF EXISTING TYPE III BARRICADES), COMPLETE IN PLACE	EA	10	\$1,000.00	\$10,000.00	\$710.00	\$7,100.00	\$1,290.30	\$12,903.00
20	BLACK CONCRETE FOR MEDIAN NOSES, COMPLETE IN PLACE	SY	36	\$70.00	\$2,520.00	\$200.00	\$7,200.00	\$76.25	\$2,745.00
PAVING ITEMS SUBTOTAL:					\$1,350,246.00		\$1,565,186.25		\$2,022,769.64
PAVING MISCELLANEOUS ITEMS									
1	EXTRA TRAFFIC SIGNS, COMPLETE IN PLACE	EA	1	\$943.60	\$943.60	\$400.00	\$400.00	\$600.00	\$600.00
2	6" SCHEDULE 40 PVC IRRIGATION SLEEVE, INCLUDES 6" STABILIZED SAND WRAP, COMPLETE IN PLACE	LF	981	\$55.00	\$53,955.00	\$35.00	\$34,335.00	\$38.00	\$37,278.00
3	AS-BUILT TOPOGRAPHY SURVEY: INCLUDING SANITARY SEWER INVERT ELEVATIONS AT MANHOLES, STORM SEWER INVERT ELEVATIONS AT MANHOLES, TOP OF CURB, GUTTER LINE, AND INVERT ELEVATIONS AT STORM SEWER INLETS, TOP OF CURB ELEVATION AT STREET HIGH POINTS, TOP OF CURB ELEVATIONS ON ENTRY ON BOULEVARD MEDIANS AND CUL-DE-SAC ISLANDS, ALL PLAN AND APPARENT GRADE CHANGE ELEVATIONS IN THE LOTS AND RESERVES, LOT CORNERS, AND TOP OF CURB ELEVATIONS IN ADJACENT RIGHTS-OF -WAY; IN ACCORDANCE WITH SECTION 5.2 IN THE BID SPECIFICATIONS AND SECTION 01000" GENERAL REQUIREMENTS". CONTRACTOR TO ALSO PLACE GRADE STAKES ON PERIMETER REAR LOT PINS FOR OWNER'S FENCE, CONTRACTOR VERIFY PROPER FILL ELEVATIONS.	LS	1	\$5,000.00	\$5,000.00	\$31,000.00	\$31,000.00	\$10,000.00	\$10,000.00
4	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$1,650.00	\$1,650.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00
5	PUMPING DOWN OF EXISTING LAKE, AS NEEDED FOR CONSTRUCTION OF THE REGRADING OF HIGH BANK, 1 DAY CONSTITUES 24 HOURS OF USE (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	DAY	5	\$1,650.00	\$8,250.00	\$4,500.00	\$22,500.00	\$600.00	\$3,000.00
PAVING MISCELLANEOUS ITEMS SUBTOTAL:					\$69,798.60		\$89,735.00		\$52,878.00
ALTERNATE BID ITEM									
1	HYDRMULCH SEEDING (TO BE USED FROM BACK OF CURB AND R.O.W.), COMPLETE IN PLACE	AC	2	\$1,650.00	\$3,300.00	\$2,200.00	\$4,400.00	\$1,700.85	\$3,401.70
ALTERNATE BID ITEM SUBTOTAL:					\$3,300.00		\$4,400.00		\$3,401.70
BIDDING SUMMARY									
SUBTOTAL WATER ITEMS					\$462,178.00		\$604,991.95		\$485,567.12
SUBTOTAL SANITARY ITEMS					\$255,536.40		\$314,347.60		\$273,667.89
SUBTOTAL DRAINAGE ITEMS					\$926,893.00		\$1,062,759.40		\$1,218,190.39
SUBTOTAL MISCELLANEOUS ITEMS					\$142,425.00		\$140,325.00		\$126,703.65

BID TABULATION FOR:

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

WATER, SANITARY SEWER AND DRAINAGE FACILITIES & PAVING AND APPURTENANCES
TO SERVE BRIDGELAND JACK ROAD PHASE II
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 491
CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
NOVEMBER 19, 2021
LJA ENGINEERING, INC.
A.CAROTHERS
NOVEMBER 29, 2021
1104-6201A (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) UNITAS CONSTRUCTION, INC.		2) DURWOOD GREENE CONSTRUCTION CO.		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
	SUBTOTAL PAVING ITEMS				\$1,350,246.00		\$1,565,186.25		\$2,022,769.64
	SUBTOTAL PAVING MISCELLANEOUS ITEMS				\$69,798.60		\$89,735.00		\$52,878.00
	TOTAL AMOUNT BASE BID				\$3,207,077.00		\$3,777,345.20		\$4,179,776.69
	ALTERNATE BID ITEM								
	TOTAL AMOUNT BASE BID				\$3,207,077.00		\$3,777,345.20		\$4,179,776.69
	SUBTOTAL ALTERNATE BID ITEM				\$3,300.00		\$4,400.00		\$3,401.70
	TOTAL AMOUNT INCLUDING ALTERNATE BID ITEM				\$3,210,377.00		\$3,781,745.20		\$4,183,178.39

LJA Engineering, Inc.

BID TABULATION FOR:

WATER, SANITARY SEWER AND DRAINAGE FACILITIES & PAVING AND APPURTENANCES
 TO SERVE BRIDGELAND JACK ROAD PHASE II
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 491
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 NOVEMBER 19, 2021
 LJA ENGINEERING, INC.
 A.CAROTHERS
 NNOVEMBER 29, 2021
 1104-6201A (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
WATER ITEMS							
1	16" PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	384	\$115.00	\$44,160.00	\$120.00	\$46,080.00
2	16" RESTRAINED JOINT PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	636	\$170.00	\$108,120.00	\$159.00	\$101,124.00
3	16" PVC N.P.W.L. (PURPLE PIPE) WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	16	\$190.00	\$3,040.00	\$202.00	\$3,232.00
4	12" PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	471	\$70.00	\$32,970.00	\$72.00	\$33,912.00
5	12" RESTRAINED JOINT PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	149	\$90.00	\$13,410.00	\$117.00	\$17,433.00
6	12" PVC N.P.W.L. (PURPLE PIPE) WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1872	\$75.00	\$140,400.00	\$71.00	\$132,912.00
7	12" RESTRAINED JOINT PVC WATER PIPE FOR N.P.W.L., AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	492	\$90.00	\$44,280.00	\$92.00	\$45,264.00
8	8" PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	801	\$40.00	\$32,040.00	\$38.00	\$30,438.00
9	8" RESTRAINED JOINT PVC WATER PIPE FOR N.P.W.L., AWWA C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	132	\$50.00	\$6,600.00	\$43.00	\$5,676.00
10	TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	4953	\$0.10	\$495.30	\$0.48	\$2,377.44
11	16" AWWA BUTTERFLY VALVE AND BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$7,500.00	\$22,500.00	\$6,857.00	\$20,571.00
12	12" AWWA GATE VALVE AND BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$3,500.00	\$17,500.00	\$3,090.00	\$15,450.00
13	8" AWWA GATE VALVE AND BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$2,000.00	\$6,000.00	\$1,654.00	\$4,962.00
14	PLUG AND CLAMP, ALL SIZES, COMPLETE IN PLACE	EA	6	\$500.00	\$3,000.00	\$570.00	\$3,420.00
15	2" BLOW OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	6	\$1,300.00	\$7,800.00	\$1,272.00	\$7,632.00
16	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, LEAD, FLUSHING VALVE, COMPLETE IN PLACE	EA	6	\$6,200.00	\$37,200.00	\$5,360.00	\$32,160.00
17	REMOVE PLUG AND CLAMP AND 2" BLOW OFF VALVE AND BOX AND CONNECT PROPOSED WATER LINE, ALL SIZES, COMPLETE IN PLACE	EA	3	\$600.00	\$1,800.00	\$1,165.00	\$3,495.00
WATER ITEMS SUBTOTAL:					\$521,315.30		\$506,138.44
SANITARY ITEMS							
1	15" PVC SANITARY SEWER PIPE, ASTM D-3034, SDR 26, 16'-20' DEPTH, COMPLETE IN PLACE	LF	814	\$115.00	\$93,610.00	\$305.00	\$248,270.00
2	12" PVC SANITARY SEWER PIPE, ASTM D-2241, SDR 26, 16'-20' DEPTH, COMPLETE IN PLACE	LF	492	\$90.00	\$44,280.00	\$109.00	\$53,628.00
3	8" PVC SANITARY SEWER PIPE, ASTM D-2241, SDR 26, 16'-20' DEPTH, COMPLETE IN PLACE	LF	982	\$75.00	\$73,650.00	\$79.00	\$77,578.00
4	STANDARD SANITARY SEWER MANHOLE (0'-8' DEPTH), INCLUDES INFLOW PROTECTOR, COMPLETE IN PLACE	EA	11	\$5,000.00	\$55,000.00	\$7,481.00	\$82,291.00

BID TABULATION FOR:

WATER, SANITARY SEWER AND DRAINAGE FACILITIES & PAVING AND APPURTENANCES
 TO SERVE BRIDGELAND JACK ROAD PHASE II
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 491
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 NOVEMBER 19, 2021
 LJA ENGINEERING, INC.
 A.CAROTHERS
 NNOVEMBER 29, 2021
 1104-6201A (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5	EXTRA DEPTH ON SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	112.4	\$180.00	\$20,232.00	\$205.00	\$23,042.00
6	TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	2288	\$0.10	\$228.80	\$0.48	\$1,098.24
7	T.V. INSPECTION FOR SANITARY SEWER SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2288	\$2.50	\$5,720.00	\$2.00	\$4,576.00
8	REMOVE SANITARY SEWER PLUG AND CONNECT PROPOSED SANITARY SEWER, ALL SIZES, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$432.00	\$864.00
9	SANITARY SEWER DROP CONNECTION, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,200.00	\$1,200.00	\$781.00	\$781.00
10	8" SANITARY PLUG, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00	\$44.00	\$88.00
SANITARY ITEMS SUBTOTAL:					\$295,120.80		\$492,216.24
DRAINAGE ITEMS							
1	24" RCP STORM SEWER PIPE, ASTM C-76, CLASS III, COMPLETE IN PLACE	LF	1805	\$90.00	\$162,450.00	\$95.00	\$171,475.00
2	30" RCP STORM SEWER PIPE, ASTM C-76, CLASS III, COMPLETE IN PLACE	LF	97	\$130.00	\$12,610.00	\$120.00	\$11,640.00
3	10' X 4' RCB STORM SEWER BOX, ASTM C-1433, COMPLETE IN PLACE	LF	884	\$1,135.00	\$1,003,340.00	\$1,085.00	\$959,140.00
4	TRENCH SAFETY SYSTEM, ALL DEPTHS AND SIZES, COMPLETE IN PLACE	LF	2786	\$0.10	\$278.60	\$0.48	\$1,337.28
5	TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	7	\$4,500.00	\$31,500.00	\$3,432.00	\$24,024.00
6	TYPE "C" MANHOLE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$2,300.00	\$4,600.00	\$1,511.00	\$3,022.00
7	PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE JUNCTION BOX FOR 10'X4' BOX CULVERT, INCLUDES TYPE "C" MANHOLE TOP, ALL DEPTHS & SIZES, ADJUSTMENT, COMPLETE IN PLACE	EA	3	\$16,000.00	\$48,000.00	\$36,784.00	\$110,352.00
8	OUTFALL STRUCTURE, ALL SIZES, INCLUDING SLOPE PAVING, COMPLETE IN PLACE	EA	1	\$10,000.00	\$10,000.00	\$3,479.00	\$3,479.00
9	STAGE I – TYPE "C-1" REINFORCED CONCRETE PRECAST CURB INLET, ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	4	\$1,700.00	\$6,800.00	\$1,932.00	\$7,728.00
10	STAGE II – TYPE "C-1" REINFORCED CONCRETE PRECAST CURB INLET, INCLUDES STAGE II INLET PROTECTION, COMPLETE IN PLACE	EA	4	\$2,600.00	\$10,400.00	\$3,447.00	\$13,788.00
11	STAGE I – TYPE "C-2" REINFORCED CONCRETE PRECAST CURB INLET, ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	6	\$1,200.00	\$7,200.00	\$2,266.00	\$13,596.00
12	STAGE II – TYPE "C-2" REINFORCED CONCRETE PRECAST CURB INLET, INCLUDES STAGE II INLET PROTECTION, COMPLETE IN PLACE	EA	6	\$3,000.00	\$18,000.00	\$4,234.00	\$25,404.00
13	ADDITIONAL COST TO CONNECT PROPOSED STAGE 1 INLETS NO. 701 & 702 TO PROPOSED 10'X4' R.C. BOX, COMPLETE IN PLACE	EA	2	\$1,500.00	\$3,000.00	\$2,020.00	\$4,040.00
14	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER WITH TYPE "E" INLET TOP, ALL DEPTHS, INCLUDES ADJUSTMENT, COMPLETE IN PLACE	EA	3	\$7,000.00	\$21,000.00	\$5,632.00	\$16,896.00
15	ROADSIDE DITCH EXCAVATION ALONG JACK ROAD, COMPLETE IN PLACE	CY	3700	\$6.00	\$22,200.00	\$6.00	\$22,200.00
16	138° BEND FOR 10'X4' RCB STORM SEWER, COMPLETE IN PLACE	EA	2	\$2,500.00	\$5,000.00	\$8,440.00	\$16,880.00
DRAINAGE ITEMS SUBTOTAL:					\$1,366,378.60		\$1,405,001.28
MISCELLANEOUS ITEMS							

BID TABULATION FOR:

WATER, SANITARY SEWER AND DRAINAGE FACILITIES & PAVING AND APPURTENANCES
 TO SERVE BRIDGELAND JACK ROAD PHASE II
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 491
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 NOVEMBER 19, 2021
 LJA ENGINEERING, INC.
 A.CAROTHERS
 NNOVEMBER 29, 2021
 1104-6201A (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	STORM WATER POLLUTION PREVENTION PLAN, INCLUDES MAINTENANCE AND REMOVAL OF FILTER FABRIC FENCING, INLET PROTECTION, CONCRETE WASHOUT, AND CONSTRUCTION ENTRANCE, COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$4,000.00	\$4,000.00
2	SUITABLE UTILITY SPOILS TO BE DISPOSED OF ONSITE, FOR FLOWING CREEK DRIVE AND LOW WATER CROSSING, (INCLUDES 4" STRIPPINGS, STOCKPILING AND REAPPLICATION OF STRIPPINGS TO FILL AREAS), COMPACTION TO 95% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH GRADING PLAN, INCLUDES HAULING (NO GREATER THAN 0.75 MILE), COMPLETE IN PLACE	CY	11100	\$4.00	\$44,400.00	\$4.00	\$44,400.00
3	SANITARY SEWER WET SAND CONSTRUCTION AS PER DETAILS AND RECOMMENDED BY GEOTECHNICAL ENGINEER, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1144	\$8.00	\$9,152.00	\$5.00	\$5,720.00
4	DEWATERING FOR SANITARY SEWER, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1144	\$20.00	\$22,880.00	\$20.00	\$22,880.00
5	DEWATERING FOR STORM SEWER, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1393	\$20.00	\$27,860.00	\$20.00	\$27,860.00
6	STORM SEWER WET SAND CONSTRUCTION AS PER DETAILS AND RECOMMENDED BY GEOTECHNICAL ENGINEER, ALL LINES AND DEPTH, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1393	\$8.00	\$11,144.00	\$5.00	\$6,965.00
7	EXTRA CEMENT STABILIZED SAND, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$30.00	\$3,000.00	\$38.00	\$3,800.00
8	CLEARING AND GRUBBING, TO INCLUDE CHIPPING AND HAULING OFFSITE OF CLEARED MATERIAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
9	INSTALL AND MAINTAIN LOW WATER CROSSING AS NEEDED FOR CONSTRUCTION, INCLUDING INSTALLATION OF DUAL 24" RCP CULVERT, MAINTENANCE OF THE CROSSING AND CULVERT, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LS	1	\$25,000.00	\$25,000.00	\$24,315.00	\$24,315.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$152,936.00		\$147,440.00
PAVING ITEMS							
1	ROADWAY EXCAVATION, COMPLETE IN PLACE	CY	15804	\$3.00	\$47,412.00	\$3.00	\$47,412.00
2	COMPACTED FILL TO BE PLACED IN JACK ROAD PHASE II RIGHT OF WAY, COMPLETE IN PLACE	CY	5297	\$3.00	\$15,891.00	\$4.00	\$21,188.00
3	COMPACTED FILL TO BE PLACED FOR FLOWING CREEK DRIVE AND LOW WATER CROSSING, (95% STANDARD PROCTOR DENSITY WITH 6" LIFTS IN ACCORDANCE WITH THE GRADING PLAN), INCLUDES HAULING (NO GREATER THAN 0.75 MILE), COMPLETE IN PLACE	CY	5955	\$3.00	\$17,865.00	\$7.00	\$41,685.00
4	EXCAVATION FOR REGRADING OF EXISTING LAKE, COMPLETE IN PLACE	CY	803	\$6.00	\$4,818.00	\$3.00	\$2,409.00
5	COMPACTED FILL TO BE USED FOR REGRADING OF EXISTING LAKE, (95% STANDARD PROCTOR DENISTY WITH 6" LIFTS IN ACCORDANCE WITH THE GRADING PLAN), INCLUDES HAULING (NO GREATER THEN 0.75 MILE), COMPLETE IN PLACE	CY	5355	\$3.00	\$16,065.00	\$7.00	\$37,485.00
6	10" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	14742	\$72.00	\$1,061,424.00	\$76.00	\$1,120,392.00
7	7" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	276	\$55.00	\$15,180.00	\$68.00	\$18,768.00
8	BRICK PAVERS, COMPLETE IN PLACE	SY	133	\$195.00	\$25,935.00	\$164.00	\$21,812.00
9	8" LIME-FLY ASH STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	16151	\$6.00	\$96,906.00	\$6.00	\$96,906.00
10	HYDRATED LIME FOR 8" SUBGRADE (16 LB/SY OF STABILIZED SUBGRADE), BY DRY WEIGHT AS REQUIRED BY THE GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	129	\$250.00	\$32,250.00	\$217.00	\$27,993.00

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BID OPENING DATE:
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ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11	FLY ASH FOR 8" SUBGRADE (65 LB/SY OF STABILIZED SUBGRADE), BY DRY WEIGHT AS REQUIRED BY THE GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	525	\$125.00	\$65,625.00	\$109.00	\$57,225.00
12	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	7490	\$4.50	\$33,705.00	\$4.00	\$29,960.00
13	ARMOR SLOTTED CURB, AS SHOWN ON SHEET 42, COMPLETE IN PLACE	LF	1259	\$325.00	\$409,175.00	\$251.00	\$316,009.00
14	TIE INTO EXISTING PAVING HEADER, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00	\$182.00	\$364.00
15	PERMANENT TRAFFIC CONTROL DEVICES, (INCLUDING ALL TRAFFIC BUTTONS, PAVEMENT STRIPING, WORDS AND DIRECTIONAL ARROWS, STREET SIGNS AND TRAFFIC SIGNS), COMPLETE IN PLACE	LS	1	\$15,000.00	\$15,000.00	\$6,243.00	\$6,243.00
16	TYPE 9 ADA RAMP, COMPLETE IN PLACE	EA	4	\$2,500.00	\$10,000.00	\$1,832.00	\$7,328.00
17	TYPE 7 ADA RAMP, COMPLETE IN PLACE	EA	2	\$2,250.00	\$4,500.00	\$1,845.00	\$3,690.00
18	STANDARD PAVING HEADER, COMPLETE IN PLACE	LF	197	\$20.00	\$3,940.00	\$24.00	\$4,728.00
19	TYPE III BARRICADE (INCLUDES REMOVAL AND RE-USE OF EXISTING TYPE III BARRICADES), COMPLETE IN PLACE	EA	10	\$1,000.00	\$10,000.00	\$964.00	\$9,640.00
20	BLACK CONCRETE FOR MEDIAN NOSES, COMPLETE IN PLACE	SY	36	\$125.00	\$4,500.00	\$84.00	\$3,024.00
PAVING ITEMS SUBTOTAL:					\$1,894,191.00	\$1,874,261.00	
PAVING MISCELLANEOUS ITEMS							
1	EXTRA TRAFFIC SIGNS, COMPLETE IN PLACE	EA	1	\$600.00	\$600.00	\$364.00	\$364.00
2	6" SCHEDULE 40 PVC IRRIGATION SLEEVE, INCLUDES 6" STABILIZED SAND WRAP, COMPLETE IN PLACE	LF	981	\$40.00	\$39,240.00	\$56.00	\$54,936.00
3	AS-BUILT TOPOGRAPHY SURVEY: INCLUDING SANITARY SEWER INVERT ELEVATIONS AT MANHOLES, STORM SEWER INVERT ELEVATIONS AT MANHOLES, TOP OF CURB, GUTTER LINE, AND INVERT ELEVATIONS AT STORM SEWER INLETS, TOP OF CURB ELEVATION AT STREET HIGH POINTS, TOP OF CURB ELEVATIONS ON ENTRY ON BOULEVARD MEDIANS AND CUL-DE-SAC ISLANDS, ALL PLAN AND APPARENT GRADE CHANGE ELEVATIONS IN THE LOTS AND RESERVES, LOT CORNERS, AND TOP OF CURB ELEVATIONS IN ADJACENT RIGHTS-OF-WAY; IN ACCORDANCE WITH SECTION 5.2 IN THE BID SPECIFICATIONS AND SECTION 01000" GENERAL REQUIREMENTS". CONTRACTOR TO ALSO PLACE GRADE STAKES ON PERIMETER REAR LOT PINS FOR OWNER'S FENCE, CONTRACTOR VERIFY PROPER FILL ELEVATIONS.	LS	1	\$10,000.00	\$10,000.00	\$49,091.00	\$49,091.00
4	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$3,030.00	\$3,030.00
5	PUMPING DOWN OF EXISTING LAKE, AS NEEDED FOR CONSTRUCTION OF THE REGRADING OF HIGH BANK, 1 DAY CONSTITUTES 24 HOURS OF USE (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	DAY	5	\$800.00	\$4,000.00	\$1,205.00	\$6,025.00
PAVING MISCELLANEOUS ITEMS SUBTOTAL:					\$55,840.00	\$113,446.00	
ALTERNATE BID ITEM							
1	HYDRMULCH SEEDING (TO BE USED FROM BACK OF CURB AND R.O.W.), COMPLETE IN PLACE	AC	2	\$1,600.00	\$3,200.00	\$4,902.00	\$9,804.00
ALTERNATE BID ITEM SUBTOTAL:					\$3,200.00	\$9,804.00	
BIDDING SUMMARY							
SUBTOTAL WATER ITEMS					\$521,315.30	\$506,138.44	
SUBTOTAL SANITARY ITEMS					\$295,120.80	\$492,216.24	
SUBTOTAL DRAINAGE ITEMS					\$1,366,378.60	\$1,405,001.28	
SUBTOTAL MISCELLANEOUS ITEMS					\$152,936.00	\$147,440.00	

BID TABULATION FOR:

WATER, SANITARY SEWER AND DRAINAGE FACILITIES & PAVING AND APPURTENANCES
TO SERVE BRIDGELAND JACK ROAD PHASE II
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 491
CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
NOVEMBER 19, 2021
LJA ENGINEERING, INC.
A.CAROTHERS
NOVEMBER 29, 2021
1104-6201A (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
	SUBTOTAL PAVING ITEMS				\$1,894,191.00		\$1,874,261.00
	SUBTOTAL PAVING MISCELLANEOUS ITEMS				\$55,840.00		\$113,446.00
	TOTAL AMOUNT BASE BID				\$4,285,781.70		\$4,538,502.96
	ALTERNATE BID ITEM						
	TOTAL AMOUNT BASE BID				\$4,285,781.70		\$4,538,502.96
	SUBTOTAL ALTERNATE BID ITEM				\$3,200.00		\$9,804.00
	TOTAL AMOUNT INCLUDING ALTERNATE BID ITEM				\$4,288,981.70		\$4,548,306.96

LJA Engineering, Inc.