

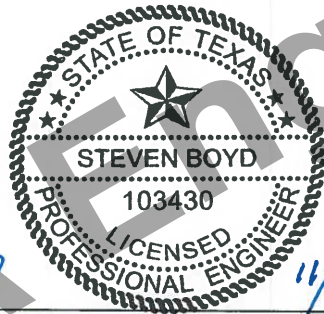
BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES
 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
 AND PAVING AND APPURTENANCES TO SERVE TWINWOOD BUSINESS PARK PHASE 5
 WALLER COUNTY MUNICIPAL UTILITY DISTRICT NO. 18
 WALLER COUNTY, TEXAS
 NOVEMBER 18, 2021
 LJA ENGINEERING, INC.
 C. DURHAM
 NOVEMBER 22, 2021
 7777-1057D,7777-1059D,7777-1059C (9.2)

BID OPENING DATE:
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BIDDER'S NAME	TOTAL AMOUNT BID	BID INCLUDING ALTERNATE BID A - PAVING IMPROVEMENT ITEMS - TWINWOOD BUSINESS PARK PHASE 5	BID INCLUDING ALTERNATE BID B	BID INCLUDING ALTERNATE BID A & ALTERNATE BID B
1) D. L. ELLIOTT ENTERPRISES, INC.	\$7,798,920.00	\$9,075,850.60	\$7,968,120.00	\$9,245,050.60
2) HURTADO CONSTRUCTION COMPANY	\$8,018,551.68	\$9,131,790.34	\$8,118,847.68	\$9,232,086.34
3) CE BARKER, LTD	\$8,429,570.37	\$9,697,249.37	\$8,573,330.37	\$9,841,009.37
4) R CONSTRUCTION CIVIL	\$8,584,904.00	\$9,736,706.00	\$8,713,304.00	\$9,865,106.00
5) PRINCIPAL SERVICES, LTD	\$10,259,805.97	\$11,680,352.97	\$10,387,005.97	\$11,807,552.97
6) TLC CONSTRUCTION CONTRACT SERVICES	\$10,619,606.16	\$11,832,864.16	\$10,714,094.16	\$11,927,352.16

CALENDAR DAYS 165/180



Steven Boyd

11/29/2021

I, Steven Boyd, P.E., hereby certify these bid tabulations to be true and correct.

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ITEM	DESCRIPTION	UNIT	QTY	1) D. L. ELLIOTT ENTERPRISES, INC.		2) HURTADO CONSTRUCTION COMPANY		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
WATER ITEMS - TWINWOOD BUSINESS PARK PHASE 4									
1	1½" PVC WATER PIPE, SCHEDULE 40, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	153	\$26.00	\$3,978.00	\$20.88	\$3,194.64	\$11.40	\$1,744.20
2	12" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1037	\$65.00	\$67,405.00	\$80.88	\$83,872.56	\$60.15	\$62,375.55
3	16" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3839	\$106.00	\$406,934.00	\$118.00	\$453,002.00	\$105.59	\$405,360.01
4	RESTRAINED JOINT 16" PVC WATER PIPE, C-900, DR 14, ALL DEPTHS, TO INCLUDE RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1935	\$200.00	\$387,000.00	\$148.88	\$288,082.80	\$180.52	\$349,306.20
5	RESTRAINED JOINT 12" PVC WATER PIPE, C-900, DR 14, ALL DEPTHS, TO INCLUDE RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	118	\$102.00	\$12,036.00	\$106.88	\$12,611.84	\$95.50	\$11,269.00
6	FIRE HYDRANT UNIT, ALL DEPTHS, TO INCLUDE APPROPRIATE TEE, 6" GATE VALVE AND BOX, 6" LEAD AND FIRE HYDRANT, AND BEDDING AND BACKFILL, COMPLETE IN PLACE	EA	17	\$6,100.00	\$103,700.00	\$6,288.00	\$106,896.00	\$6,116.47	\$103,979.99
7	TRENCH SAFETY FOR FIRE HYDRANT UNIT, COMPLETE IN PLACE	EA	17	\$116.00	\$1,972.00	\$8.00	\$136.00	\$0.01	\$0.17
8	16" PLUG & CLAMP WITH 2" BLOW-OFF VALVE AND BOX ASSEMBLY, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	1	\$2,100.00	\$2,100.00	\$988.00	\$988.00	\$4,134.10	\$4,134.10
9	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	7082	\$1.00	\$7,082.00	\$0.58	\$4,107.56	\$0.01	\$70.82
10	REMOVE EXISTING 16" PLUG & CLAMP AND 2" BLOW-OFF VALVE AND BOX, AND CONNECT PROPOSED 16" WATER LINE, INCLUDES ALL NECESSARY ADAPTERS AND CONNECTORS, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	1	\$230.00	\$230.00	\$1,588.00	\$1,588.00	\$1,789.92	\$1,789.92
11	12" GATE VALVE AND BOX ASSEMBLY AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	9	\$2,900.00	\$26,100.00	\$3,268.00	\$29,412.00	\$2,970.02	\$26,730.18
12	12" PLUG AND CLAMP WITH 2" BLOW-OFF VALVE AND BOX ASSEMBLY, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	9	\$1,800.00	\$16,200.00	\$798.00	\$7,182.00	\$1,684.82	\$15,163.38
13	16" BUTTERFLY VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	10	\$6,400.00	\$64,000.00	\$5,688.00	\$56,880.00	\$4,689.85	\$46,898.50
14	AIR RELEASE VALVE, MANHOLE, AND VENT, TO BE INSTALLED AT STA 9+00, 17+20, 33+00 AND 36+75, COMPLETE IN PLACE	EA	4	\$5,200.00	\$20,800.00	\$7,888.00	\$31,552.00	\$3,890.32	\$15,561.28
15	WATER VALVE EXTENSION, TO ALLOW FOR VALVE NUT TO BE ACCESSIBLE TO A DEPTH OF NO MORE THAN 4' BELOW A-BOX, COMPLETE IN PLACE	VF	76	\$19.00	\$1,444.00	\$98.00	\$7,448.00	\$81.49	\$6,193.24
16	IF EXISTING, REMOVE 1 1/2" PLUG AND CLAMP AND 2" BLOW-OFF VALVE AND BOX, AND CONNECT PROPOSED 1 1/2" WATER PIPE, OR IF NOT INSTALLED, 1 1/2" PLUG AND CLAMP FOR FUTURE CONNECTION, INCLUDING ALL NECESSARY ADAPTERS AND CONNECTORS, COMPLETE IN PLACE	EA	1	\$350.00	\$350.00	\$180.00	\$180.00	\$543.47	\$543.47
17	6" STL CONCRETE FILLED BOLLARD FOR WATER AIR RELEASE MH VENT, PAINTED FOREST GREEN, INCLUDING RED AND WHITE REFLECTOR TAPE, COMPLETE IN PLACE	EA	8	\$430.00	\$3,440.00	\$498.00	\$3,984.00	\$1,210.24	\$9,681.92
18	ADDITIONAL CAST IRON FITTINGS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	4	\$1,600.00	\$6,400.00	\$2,000.00	\$8,000.00	\$971.04	\$3,884.16

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ITEM	DESCRIPTION	UNIT	QTY	1) D. L. ELLIOTT ENTERPRISES, INC.		2) HURTADO CONSTRUCTION COMPANY		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
19	UTILITY SPOIL TO BE USED AS FILL FOR DISCOVERY HILLS PARKWAY, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	CY	3252	\$3.50	\$11,382.00	\$1.88	\$6,113.76	\$2.28	\$7,414.56
20	TRENCHLESS CONSTRUCTION OF 16" PVC C-900, DR 14 WATERLINE WITH RESTRAINED JOINTS ACROSS ENTERPRISE PIPELINE EASEMENT, INCLUDING BORE PITS, PIPELINE COORDINATION, EXPOSING ENTERPRISE PIPELINE BY HAND DIGGING FOR VIEWING WINDOW, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	60	\$180.00	\$10,800.00	\$118.00	\$7,080.00	\$268.25	\$16,095.00
21	OPEN-CUT CONSTRUCTION OF 16" PVC C-900, DR 14 WATERLINE WITH RESTRAINED JOINTS ACROSS ENTERPRISE PIPELINE EASEMENT, INCLUDING PIPELINE COORDINATION, EXPOSING ENTERPRISE PIPELINE BY HAND DIGGING, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	60	\$88.00	\$5,280.00	\$158.00	\$9,480.00	\$268.25	\$16,095.00
22	16" X 1-1/2" TS&V, COMPLETE IN PLACE	EA	1	\$7,800.00	\$7,800.00	\$6,288.00	\$6,288.00	\$3,055.92	\$3,055.92
WATER ITEMS - TWINWOOD BUSINESS PARK PHASE 4 SUBTOTAL:					\$1,166,433.00		\$1,128,079.16		\$1,107,346.57
SANITARY ITEMS- TWINWOOD BUSINESS PARK PHASE 4									
1	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	872	\$53.00	\$46,216.00	\$111.88	\$97,559.36	\$43.40	\$37,844.80
2	10" PVC SEWER PIPE, ASTM D-3034, SDR 26, 0' - 12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	109	\$63.00	\$6,867.00	\$63.88	\$6,962.92	\$51.99	\$5,666.91
3	12" PVC SEWER PIPE, ASTM D-3034, SDR 26, OVER 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3271	\$87.00	\$284,577.00	\$88.88	\$290,726.48	\$118.74	\$388,398.54
4	15" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16' - 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	54	\$125.00	\$6,750.00	\$129.88	\$7,013.52	\$102.61	\$5,540.94
5	8" PVC C900, DR 18 SEWER FORCE MAIN PIPE, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3284	\$37.00	\$121,508.00	\$43.88	\$144,101.92	\$34.85	\$114,447.40
6	RESTRAINED JOINT 8" PVC FORCE MAIN PIPE, C-900, DR-14, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	2175	\$56.00	\$121,800.00	\$48.88	\$106,314.00	\$48.51	\$105,509.25
7	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	9656	\$1.00	\$9,656.00	\$4.88	\$47,121.28	\$0.01	\$96.56
8	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), TO INCLUDE RIGID PLASTIC INFLOW PROTECTOR, COMPLETE IN PLACE	EA	15	\$3,600.00	\$54,000.00	\$4,888.00	\$73,320.00	\$2,576.11	\$38,641.65
9	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	212	\$140.00	\$29,680.00	\$208.00	\$44,096.00	\$169.45	\$35,923.40
10	CORROSION RESISTANT MANHOLE FOR FORCE MAIN DISCHARGE, LINED WITH RAVEN 405 100 MILS MIN, INCLUDES ALL FITTINGS AND APPURTENANCES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$19,000.00	\$19,000.00	\$12,800.00	\$12,800.00	\$10,521.12	\$10,521.12
11	AIR RELEASE MANHOLE FOR FORCE MAIN TO BE INSTALLED AT STA 10+25, 33+45, AND 49+75, INCLUDES ALL FITTINGS AND APPURTENANCES, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$15,400.00	\$46,200.00	\$18,000.00	\$54,000.00	\$15,168.59	\$45,505.77
12	6" STL CONCRETE FILLED BOLLARD FOR FORCEMAIN AIR RELEASE MANHOLE VENT, PAINTED FOREST GREEN, INCLUDING RED AND WHITE REFLECTOR TAPE, COMPLETE IN PLACE	EA	6	\$400.00	\$2,400.00	\$498.00	\$2,988.00	\$1,210.24	\$7,261.44
13	UTILITY SPOIL TO BE HAULED TO LIFT STATION SITE, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	2993	\$3.50	\$10,475.50	\$1.88	\$5,626.84	\$2.86	\$8,559.98

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
14	FINAL ADJUSTMENT OF MANHOLE, COMPLETE IN PLACE	EA	16	\$180.00	\$2,880.00	\$88.00	\$1,408.00	\$0.01	\$0.16
15	FURNISH AND INSTALL GROUND WATER CONTROL SYSTEM FOR SANITARY SEWERS, WELL POINTS, COMPLETE IN PLACE	LF	3250	\$20.00	\$65,000.00	\$20.00	\$65,000.00	\$20.00	\$65,000.00
16	8" SANITARY SEWER PLUG, COMPLETE IN PLACE	EA	8	\$150.00	\$1,200.00	\$34.00	\$272.00	\$195.41	\$1,563.28
17	FURNISH AND INSTALL WET SAND CONSTRUCTION FOR SANITARY SEWERS, ALL SIZES, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LF	3250	\$25.00	\$81,250.00	\$25.00	\$81,250.00	\$25.00	\$81,250.00
18	CORE 8" PROPOSED SANITARY SEWER FORCEMAIN INTO EXISTING SANITARY SEWER MANHOLE, COMPLETE IN PLACE	EA	1	\$1,600.00	\$1,600.00	\$1,288.00	\$1,288.00	\$1,290.91	\$1,290.91
19	IF EXISTING, REMOVE 8" FORCEMAIN PLUG AND CONNECT PROPOSED 8" FORCEMAIN, COMPLETE IN PLACE	EA	1	\$470.00	\$470.00	\$2,800.00	\$2,800.00	\$1,336.63	\$1,336.63
20	EXTERNAL DROP CONNECTION (2' DEPTH), COMPLETE IN PLACE	EA	6	\$1,200.00	\$7,200.00	\$1,488.00	\$8,928.00	\$1,282.72	\$7,696.32
21	EXTRA DEPTH FOR EXTERNAL DROP CONNECTION (OVER 2' DEPTH), COMPLETE IN PLACE	VF	31	\$66.00	\$2,046.00	\$18.00	\$558.00	\$67.81	\$2,102.11
22	TRENCHLESS CONSTRUCTION OF 12" PVC SDR 26 SANITARY SEWER ACROSS ENTERPRISE PIPELINE EASEMENT, INCLUDING BORE PITS, PIPELINE COORDINATION, EXPOSING ENTERPRISE PIPELINE BY HAND DIGGING FOR VIEWING WINDOW, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	60	\$200.00	\$12,000.00	\$98.00	\$5,880.00	\$161.95	\$9,717.00
23	OPEN-CUT CONSTRUCTION OF 12" PVC SDR 26 SANITARY SEWER ACROSS ENTERPRISE PIPELINE EASEMENT, INCLUDING PIPELINE COORDINATION, EXPOSING ENTERPRISE PIPELINE BY HAND DIGGING, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	60	\$102.00	\$6,120.00	\$68.00	\$4,080.00	\$161.95	\$9,717.00
24	TRENCHLESS CONSTRUCTION OF 8" PVC C-900, DR 14 SANITARY FORCEMAIN WITH RESTRAINED JOINTS ACROSS ENTERPRISE PIPELINE EASEMENT, INCLUDING BORE PITS, PIPELINE COORDINATION, EXPOSING ENTERPRISE PIPELINE BY HAND DIGGING FOR VIEWING WINDOW, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	VF	60	\$220.00	\$13,200.00	\$98.00	\$5,880.00	\$155.12	\$9,307.20
25	OPEN-CUT CONSTRUCTION OF 8" PVC C-900, DR 14 SANITARY FORCEMAIN WITH RESTRAINED JOINTS ACROSS ENTERPRISE PIPELINE EASEMENT, INCLUDING PIPELINE COORDINATION, EXPOSING ENTERPRISE PIPELINE BY HAND DIGGING, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	60	\$130.00	\$7,800.00	\$68.00	\$4,080.00	\$155.12	\$9,307.20
SANITARY ITEMS- TWINWOOD BUSINESS PARK PHASE 4 SUBTOTAL:					\$959,895.50		\$1,074,054.32		\$1,002,205.57
DRAINAGE IMPROVEMENT ITEMS- TWINWOOD BUSINESS PARK PHASE 4									
1	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1161	\$66.00	\$76,626.00	\$82.88	\$96,223.68	\$84.34	\$97,918.74
2	30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1133	\$84.00	\$95,172.00	\$101.88	\$115,430.04	\$104.00	\$117,832.00
3	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	379	\$120.00	\$45,480.00	\$133.88	\$50,740.52	\$141.74	\$53,719.46
4	42" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	82	\$156.00	\$12,792.00	\$170.88	\$14,012.16	\$182.98	\$15,004.36
5	48" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	90	\$186.00	\$16,740.00	\$199.88	\$17,989.20	\$216.99	\$19,529.10
6	54" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	50	\$260.00	\$13,000.00	\$280.00	\$14,000.00	\$300.53	\$15,026.50

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7	60" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	194	\$300.00	\$58,200.00	\$350.88	\$68,070.72	\$349.28	\$67,760.32
8	6' X 5' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	261	\$470.00	\$122,670.00	\$490.88	\$128,119.68	\$583.89	\$152,395.29
9	7' X 10' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	147	\$955.00	\$140,385.00	\$990.88	\$145,659.36	\$1,138.96	\$167,427.12
10	9' X 5' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	153	\$735.00	\$112,455.00	\$819.88	\$125,441.64	\$883.38	\$135,157.14
11	9' X 6' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	80	\$770.00	\$61,600.00	\$850.88	\$68,070.40	\$919.94	\$73,595.20
12	10' X 8' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	96	\$1,010.00	\$96,960.00	\$1,070.88	\$102,804.48	\$1,193.23	\$114,550.08
13	11' X 8' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	496	\$1,120.00	\$555,520.00	\$1,192.88	\$591,668.48	\$1,335.31	\$662,313.76
14	12' X 8' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	281	\$1,280.00	\$359,680.00	\$1,318.00	\$370,358.00	\$1,511.41	\$424,706.21
15	12' X 10' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	665	\$1,380.00	\$917,700.00	\$1,398.00	\$929,670.00	\$1,629.85	\$1,083,850.25
16	12' X 8' TO 12'X10' REINFORCED CONCRETE BOX PRECAST TRANSITION PIECE (RINKER OR APPROVED EQUAL), COMPLETE IN PLACE	EA	1	\$18,600.00	\$18,600.00	\$8,000.00	\$8,000.00	\$9,813.68	\$9,813.68
17	11' X 8' TO 12'X8' REINFORCED CONCRETE BOX PRECAST TRANSITION PIECE (RINKER OR APPROVED EQUAL), COMPLETE IN PLACE	EA	1	\$19,600.00	\$19,600.00	\$7,800.00	\$7,800.00	\$9,103.01	\$9,103.01
18	TYPE "C" MANHOLE TOP ON REINFORCED CONCRETE BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$2,700.00	\$24,300.00	\$2,548.00	\$22,932.00	\$3,574.37	\$32,169.33
19	JUNCTION BOX FOR DUAL 7'X10' RCB, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$32,200.00	\$32,200.00	\$68,800.00	\$68,800.00	\$108,559.99	\$108,559.99
20	JUNCTION BOX FOR 3- 6'X5' RCB, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$33,300.00	\$66,600.00	\$58,800.00	\$117,600.00	\$68,586.27	\$137,172.54
21	TYPE "C" MANHOLE FOR UP TO 72" STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$9,000.00	\$72,000.00	\$5,088.00	\$40,704.00	\$6,144.77	\$49,158.16
22	8" BRICK PLUG FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PACE	EA	8	\$1,800.00	\$14,400.00	\$88.00	\$704.00	\$285.60	\$2,284.80
23	8" BRICK PLUG FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PACE	EA	2	\$1,200.00	\$2,400.00	\$98.00	\$196.00	\$285.60	\$571.20
24	TYPE "E" INLET, OPEN ALL SIDES, COMPLETE IN PLACE	EA	5	\$3,800.00	\$19,000.00	\$2,668.00	\$13,340.00	\$2,707.49	\$13,537.45
25	TYPE "E" INLET ON 9'X6' RCB, OPEN ALL SIDES, COMPLETE IN PLACE	EA	4	\$1,850.00	\$7,400.00	\$2,888.00	\$11,552.00	\$3,849.89	\$15,399.56
26	TYPE "H-2" INLET, STAGE 1, COMPLETE IN PLACE	EA	4	\$1,450.00	\$5,800.00	\$1,148.00	\$4,592.00	\$1,296.62	\$5,186.48
27	TYPE "C" INLET - 10 FT, STAGE 1, COMPLETE IN PLACE	EA	2	\$4,100.00	\$8,200.00	\$1,478.00	\$2,956.00	\$1,410.86	\$2,821.72
28	TYPE "C" INLET - 15 FT, STAGE 1, COMPLETE IN PLACE	EA	2	\$11,300.00	\$22,600.00	\$2,488.00	\$4,976.00	\$1,639.34	\$3,278.68
29	TYPE "C" INLET - 20 FT, STAGE 1, COMPLETE IN PLACE	EA	9	\$21,000.00	\$189,000.00	\$2,588.00	\$23,292.00	\$1,982.06	\$17,838.54
30	TYPE E INLET TOP CONSTRUCTED ON TYPE C INLET BASE, OPEN ALL SIDES, COMPLETE IN PLACE	EA	11	\$1,650.00	\$18,150.00	\$2,188.00	\$24,068.00	\$2,439.02	\$26,829.22

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LJA JOB NO.

CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES
 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
 WALLER COUNTY MUNICIPAL UTILITY DISTRICT NO. 18
 WALLER COUNTY, TEXAS
 NOVEMBER 18, 2021
 LJA ENGINEERING, INC.
 C. DURHAM
 NOVEMBER 22, 2021
 7777-1057D,7777-1059D,7777-1059C (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) D. L. ELLIOTT ENTERPRISES, INC.		2) HURTADO CONSTRUCTION COMPANY		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
31	TYPE E INLET TOP CONSTRUCTED ON TYPE C INLET BASE, OPEN ONE SIDE, COMPLETE IN PLACE	EA	3	\$1,770.00	\$5,310.00	\$2,188.00	\$6,564.00	\$2,439.02	\$7,317.06
32	TYPE E INLET TOP CONSTRUCTED ON TYPE H2 INLET BASE, OPEN ALL SIDES, COMPLETE IN PLACE	EA	1	\$1,560.00	\$1,560.00	\$2,188.00	\$2,188.00	\$2,439.02	\$2,439.02
33	PRECAST H2 INLET BLIND CAP CONSTRUCTED ON H2 INLET BASE, COMPLETE IN PLACE	EA	3	\$770.00	\$2,310.00	\$1,058.00	\$3,174.00	\$2,439.02	\$7,317.06
34	24" SAFETY END TREATMENT WITH 4:1 SLOPE, TO INCLUDE CONNECTION OF 24" RCP TO 24" SAFETY END TREATMENT, SAFETY END TREATMENT TO BE FLUSH WITH ROADSIDE DITCH SIDE SLOPE, COMPLETE IN PLACE	EA	1	\$1,650.00	\$1,650.00	\$1,158.00	\$1,158.00	\$2,552.90	\$2,552.90
35	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZE, COMPLETE IN PLACE	LF	5233	\$1.00	\$5,233.00	\$1.88	\$9,838.04	\$0.01	\$52.33
36	UTILITY SPOIL TO BE HAULED, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	14448	\$3.50	\$50,568.00	\$1.88	\$27,162.24	\$3.43	\$49,556.64
37	HYDROMULCH SEEDING, FINE GRADING AND WATERING OF OFFSITE SWALES AND OVERFLOW SWALE TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	4	\$1,900.00	\$7,600.00	\$1,200.00	\$4,800.00	\$1,200.00	\$4,800.00
38	BROADCAST SEEDING, FERTILIZING, AND WATERING TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	5	\$990.00	\$4,950.00	\$600.00	\$3,000.00	\$600.00	\$3,000.00
39	"V" SHAPED GRASS LINED DRAINAGE SWALE EXTENDING FROM ROADSIDE DITCH TO DRAINAGE CHANNEL, COMPLETE IN PLACE	CY	600	\$8.00	\$4,800.00	\$2.88	\$1,728.00	\$8.09	\$4,854.00
40	FLEXAMAT SEEDER EROSION CONTROL BLANKET, OR APPROVED EQUAL, FOR EXTREME EVENT OVERFLOW SWALE, TO BE USED AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	SY	304	\$9.00	\$2,736.00	\$14.88	\$4,523.52	\$61.25	\$18,620.00
41	CONCRETE COLLAR FOR CONNECTION OF RCP (ALL SIZES) TO THE SIDE OF PROPOSED REINFORCED CONCRETE BOX, COMPLETE IN PLACE	EA	17	\$1,700.00	\$28,900.00	\$1,800.00	\$30,600.00	\$771.12	\$13,109.04
42	REINFORCED CONCRETE HEADWALLS, WINGWALLS, AND SLAB FOR 9'X5' RCB, COMPLETE IN PLACE	EA	2	\$23,300.00	\$46,600.00	\$108,000.00	\$216,000.00	\$65,303.01	\$130,606.02
43	REGRADE EXISTING SWALE, AS SHOWN ON SHEET 27, COMPLETE IN PLACE	LF	106	\$14.00	\$1,484.00	\$3.58	\$379.48	\$6.48	\$686.88
44	RE-ESTABLISH EXISTING DIRT ROAD AND EXISTING ROADSIDE DITCHES, COMPLETE IN PLACE	LS	1	\$6,400.00	\$6,400.00	\$3,800.00	\$3,800.00	\$4,855.20	\$4,855.20
45	MAINTAIN EXISTING DIRT ROAD THROUGHOUT CONSTRUCTION TO ALLOW FOR LIFT STATION ACCESS, COMPLETE IN PLACE	MO	6	\$1,750.00	\$10,500.00	\$888.00	\$5,328.00	\$1,142.40	\$6,854.40
46	COFFER DAM AT EXISTING DUAL 7X10 RCB OUTFALL FOR CONSTRUCTION OF CONNECTION OF PROPOSED DUAL 7X10 RCB TO EXISTING DUAL 7X10 RCB, INCLUDING REMOVAL UPON COMPLETION, COMPLETE IN PLACE	EA	1	\$11,500.00	\$11,500.00	\$2,288.00	\$2,288.00	\$14,565.60	\$14,565.60
47	COFFER DAM AT EXISTING 60" RCP OUTFALL FOR CONSTRUCTION OF CONNECTION OF PROPOSED 60" RCP TO EXISTING 60" RCP, INCLUDING REMOVAL UPON COMPLETION, COMPLETE IN PLACE	EA	1	\$5,300.00	\$5,300.00	\$800.00	\$800.00	\$5,312.16	\$5,312.16
48	DIVERT EXISTING DITCH FOR CONSTRUCTION OF PROPOSED 9X5 RCB AND HEADWALLS, INCLUDING REMOVAL UPON COMPLETION, COMPLETE IN PLACE	LS	1	\$9,900.00	\$9,900.00	\$1,800.00	\$1,800.00	\$2,427.60	\$2,427.60
49	REMOVE AND DISPOSE OF EXISTING 24" HDPE, COMPLETE IN PLACE	LF	30	\$29.00	\$870.00	\$3.88	\$116.40	\$19.04	\$571.20
50	ADDITIONAL COST OF INSTALLATION OF PROPOSED 3 - 6' X 5' RCP WITHIN PIPELINE EASEMENT, INCLUDING EXPOSING PIPELINE BY HAND DIGGING, COORDINATION WITH ENTERPRISE PIPELINE COMPANY REPRESENTATIVE, BRACING ON PIPELINE IF NECESSARY, COMPLETE IN PLACE	LS	1	\$17,500.00	\$17,500.00	\$1,800.00	\$1,800.00	\$14,565.60	\$14,565.60

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 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
 WALLER COUNTY MUNICIPAL UTILITY DISTRICT NO. 18
 WALLER COUNTY, TEXAS
 NOVEMBER 18, 2021
 LJA ENGINEERING, INC.
 C. DURHAM
 NOVEMBER 22, 2021
 7777-1057D,7777-1059D,7777-1059C (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) D. L. ELLIOTT ENTERPRISES, INC.		2) HURTADO CONSTRUCTION COMPANY		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
51	REMOVE EXISTING BRICK PLUG ON 7' X 10' RCP & CONNECT PROPOSED 7' X 10' RCB, COMPLETE IN PLACE	EA	2	\$2,300.00	\$4,600.00	\$4,288.00	\$8,576.00	\$1,256.64	\$2,513.28
52	REMOVE EXISTING BRICK PLUG ON EXISTING 60" EXISTING RCP & CONNECT PROPOSED 60" RCP, COMPLETE IN PLACE	EA	1	\$1,050.00	\$1,050.00	\$2,800.00	\$2,800.00	\$1,256.64	\$1,256.64
53	80' WIDE OVERFLOW SWALE, COMPLETE IN PLACE	LF	30	\$29.00	\$870.00	\$18.00	\$540.00	\$53.95	\$1,618.50
DRAINAGE IMPROVEMENT ITEMS- TWINWOOD BUSINESS PARK PHASE 4 SUBTOTAL:					\$3,437,421.00		\$3,528,734.04		\$3,933,961.02
SANITARY ITEMS- TWINWOOD BUSINESS PARK PHASE 5									
1	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 12' - 16' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	312	\$49.00	\$15,288.00	\$88.88	\$27,730.56	\$51.10	\$15,943.20
2	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16' - 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	233	\$65.00	\$15,145.00	\$99.88	\$23,272.04	\$64.05	\$14,923.65
3	10" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16' - 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1213	\$67.00	\$81,271.00	\$89.88	\$109,024.44	\$72.63	\$88,100.19
4	10" PVC SEWER PIPE, ASTM D-3034, SDR 26, OVER 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	109	\$80.00	\$8,720.00	\$89.88	\$9,796.92	\$108.72	\$11,850.48
5	12" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16' TO 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	375	\$81.00	\$30,375.00	\$92.88	\$34,830.00	\$83.83	\$31,436.25
6	12" PVC SEWER PIPE, ASTM D-3034, SDR 26, OVER 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	639	\$88.00	\$56,232.00	\$92.88	\$59,350.32	\$119.92	\$76,628.88
7	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2881	\$1.00	\$2,881.00	\$4.88	\$14,059.28	\$0.01	\$28.81
8	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), TO INCLUDE RIGID PLASTIC INFLOW PROTECTOR, COMPLETE IN PLACE	EA	10	\$3,400.00	\$34,000.00	\$4,888.00	\$48,880.00	\$2,576.11	\$25,761.10
9	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	103	\$140.00	\$14,420.00	\$208.00	\$21,424.00	\$169.45	\$17,453.35
10	UTILITY SPOIL TO BE HAULED TO STOCKPILE, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	1053	\$3.50	\$3,685.50	\$1.88	\$1,979.64	\$3.43	\$3,611.79
11	FINAL ADJUSTMENT OF MANHOLE, COMPLETE IN PLACE	EA	10	\$170.00	\$1,700.00	\$88.00	\$880.00	\$0.01	\$0.10
12	FURNISH AND INSTALL GROUND WATER CONTROL SYSTEM FOR SANITARY SEWERS, WELL POINTS, COMPLETE IN PLACE	LF	1500	\$20.00	\$30,000.00	\$20.00	\$30,000.00	\$20.00	\$30,000.00
13	8" SANITARY SEWER PLUG, COMPLETE IN PLACE	EA	5	\$150.00	\$750.00	\$38.00	\$190.00	\$195.41	\$977.05
14	FURNISH AND INSTALL WET SAND CONSTRUCTION FOR SANITARY SEWERS, ALL SIZES, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LF	1500	\$25.00	\$37,500.00	\$25.00	\$37,500.00	\$25.00	\$37,500.00
SANITARY ITEMS- TWINWOOD BUSINESS PARK PHASE 5 SUBTOTAL:					\$331,967.50		\$418,917.20		\$354,214.85
DRAINAGE IMPROVEMENT ITEMS- TWINWOOD BUSINESS PARK PHASE 5									
1	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	378	\$67.00	\$25,326.00	\$82.88	\$31,328.64	\$85.08	\$32,160.24
2	30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	130	\$86.00	\$11,180.00	\$110.88	\$14,414.40	\$104.73	\$13,614.90

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 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
 WALLER COUNTY MUNICIPAL UTILITY DISTRICT NO. 18
 WALLER COUNTY, TEXAS
 NOVEMBER 18, 2021
 LJA ENGINEERING, INC.
 C. DURHAM
 NOVEMBER 22, 2021
 7777-1057D,7777-1059D,7777-1059C (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) D. L. ELLIOTT ENTERPRISES, INC.		2) HURTADO CONSTRUCTION COMPANY		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
3	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	100	\$116.00	\$11,600.00	\$149.88	\$14,988.00	\$142.47	\$14,247.00
4	42" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	560	\$155.00	\$86,800.00	\$174.88	\$97,932.80	\$183.71	\$102,877.60
5	48" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	50	\$185.00	\$9,250.00	\$219.88	\$10,994.00	\$217.73	\$10,886.50
6	54" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	50	\$257.00	\$12,850.00	\$299.88	\$14,994.00	\$301.27	\$15,063.50
7	60" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	435	\$300.00	\$130,500.00	\$342.88	\$149,152.80	\$350.01	\$152,254.35
8	6' X 5' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	90	\$473.00	\$42,570.00	\$512.88	\$46,159.20	\$584.62	\$52,615.80
9	6' X 6' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	334	\$513.00	\$171,342.00	\$542.88	\$181,321.92	\$630.39	\$210,550.26
10	7' X 6' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	605	\$610.00	\$369,050.00	\$663.88	\$401,647.40	\$732.82	\$443,356.10
11	8' X 6' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	236	\$670.00	\$158,120.00	\$712.88	\$168,239.68	\$800.54	\$188,927.44
12	9' X 6' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	345	\$770.00	\$265,650.00	\$862.88	\$297,693.60	\$920.67	\$317,631.15
13	10' X 8' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	78	\$1,010.00	\$78,780.00	\$1,098.00	\$85,644.00	\$1,193.96	\$93,128.88
14	8' X 6' TO 9'X6' REINFORCED CONCRETE BOX PRECAST TRANSITION PIECE (RINKER OR APPROVED EQUAL), COMPLETE IN PLACE	EA	1	\$12,800.00	\$12,800.00	\$5,288.00	\$5,288.00	\$5,554.22	\$5,554.22
15	7' X 6' TO 8'X6' REINFORCED CONCRETE BOX PRECAST TRANSITION PIECE (RINKER OR APPROVED EQUAL), COMPLETE IN PLACE	EA	1	\$14,000.00	\$14,000.00	\$4,800.00	\$4,800.00	\$6,282.70	\$6,282.70
16	6' X 6' TO 7'X6' REINFORCED CONCRETE BOX PRECAST TRANSITION PIECE (RINKER OR APPROVED EQUAL), COMPLETE IN PLACE	EA	1	\$13,400.00	\$13,400.00	\$4,288.00	\$4,288.00	\$5,740.93	\$5,740.93
17	6' X 5' TO 6'X6' REINFORCED CONCRETE BOX PRECAST TRANSITION PIECE (RINKER OR APPROVED EQUAL), COMPLETE IN PLACE	EA	1	\$13,000.00	\$13,000.00	\$3,288.00	\$3,288.00	\$4,921.50	\$4,921.50
18	TYPE "C" MANHOLE TOP CONSTRUCTED ON REINFORCED CONCRETE BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$2,850.00	\$22,800.00	\$1,898.00	\$15,184.00	\$3,392.93	\$27,143.44
19	JUNCTION BOX WITH TYPE "C" MANHOLE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$22,300.00	\$133,800.00	\$20,888.00	\$125,328.00	\$24,067.32	\$144,403.92
20	8" BRICK PLUG FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$1,050.00	\$8,400.00	\$88.00	\$704.00	\$285.60	\$2,284.80
21	8" BRICK PLUG FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$1,170.00	\$3,510.00	\$98.00	\$294.00	\$285.60	\$856.80
22	TYPE "C" INLET – 10 FT, STAGE 1, COMPLETE IN PLACE	EA	7	\$3,000.00	\$21,000.00	\$1,478.00	\$10,346.00	\$1,410.86	\$9,876.02
23	TYPE "C" INLET – 15 FT, STAGE 1, COMPLETE IN PLACE	EA	3	\$6,800.00	\$20,400.00	\$2,488.00	\$7,464.00	\$1,639.34	\$4,918.02
24	TYPE "C" INLET – 20 FT, STAGE 1, COMPLETE IN PLACE	EA	2	\$12,700.00	\$25,400.00	\$2,588.00	\$5,176.00	\$1,982.06	\$3,964.12

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 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
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ITEM	DESCRIPTION	UNIT	QTY	1) D. L. ELLIOTT ENTERPRISES, INC.		2) HURTADO CONSTRUCTION COMPANY		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
25	TYPE "C" INLET – 10 FT, STAGE 2, COMPLETE IN PLACE	EA	7	\$2,200.00	\$15,400.00	\$2,498.00	\$17,486.00	\$1,296.62	\$9,076.34
26	TYPE "C" INLET – 15 FT, STAGE 2, COMPLETE IN PLACE	EA	3	\$2,400.00	\$7,200.00	\$3,318.00	\$9,954.00	\$1,525.10	\$4,575.30
27	TYPE "C" INLET – 20 FT, STAGE 2, COMPLETE IN PLACE	EA	2	\$3,030.00	\$6,060.00	\$4,180.00	\$8,360.00	\$1,867.82	\$3,735.64
28	CONCRETE COLLAR FOR CONNECTION OF RCP TO THE SIDE OF PROPOSED REINFORCED CONCRETE BOX, ALL SIZES, COMPLETE IN PLACE	EA	12	\$1,700.00	\$20,400.00	\$288.00	\$3,456.00	\$771.12	\$9,253.44
29	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZE, COMPLETE IN PLACE	LF	3391	\$1.00	\$3,391.00	\$1.88	\$6,375.08	\$0.01	\$33.91
30	UTILITY SPOIL TO BE HAULED TO STOCKPILE, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	8508	\$3.50	\$29,778.00	\$1.88	\$15,995.04	\$3.43	\$29,182.44
31	HYDROMULCH SEEDING, FINE GRADING AND WATERING OF OFFSITE SWALES AND OVERFLOW SWALE TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	1.5	\$1,900.00	\$2,850.00	\$1,200.00	\$1,800.00	\$1,200.00	\$1,800.00
32	BROADCAST SEEDING, FERTILIZING, AND WATERING TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	5	\$990.00	\$4,950.00	\$600.00	\$3,000.00	\$600.00	\$3,000.00
DRAINAGE IMPROVEMENT ITEMS- TWINWOOD BUSINESS PARK PHASE 5 SUBTOTAL:					\$1,751,557.00		\$1,763,096.56		\$1,923,917.26
MISCELLANEOUS ITEMS									
1	REMOVE AND REPLACE EXISTING BARBED WIRE FENCE AS NECESSARY FOR CONSTRUCTION, TO INCLUDE DISPOSAL OF EXISTING FENCE, COMPLETE IN PLACE	LF	280	\$11.00	\$3,080.00	\$5.88	\$1,646.40	\$4.32	\$1,209.60
2	BERMUDA SOD, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	1500	\$6.00	\$9,000.00	\$5.00	\$7,500.00	\$5.00	\$7,500.00
3	BROADCAST SEEDING, FERTILIZING, AND WATERING OF DISTURBED AREAS, TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	10	\$990.00	\$9,900.00	\$600.00	\$6,000.00	\$600.00	\$6,000.00
4	FLEX-TERRA HYDROMULCH SEEDING (APPLIED FROM 2 DIRECTIONS) (3,000 LBS/AC), INCLUDING WATERING, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	3	\$7,600.00	\$22,800.00	\$4,000.00	\$12,000.00	\$4,000.00	\$12,000.00
5	CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING DEBRIS (INCLUDING TRASH, TIRES, MATTRESSES, ETC.) PER STANDARD 40 YARD DUMPSTER LOAD, INCLUDES LOADING, HAULING OFF, ENVIRONMENTAL COMPLIANCE AND DISPOSAL, TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LOAD	1	\$1,050.00	\$1,050.00	\$800.00	\$800.00	\$800.00	\$800.00
6	CONCRETE TRUCK WASHOUT PIT, TO INCLUDE INSTALLATION, MAINTENANCE AND REMOVAL, COMPLETE IN PLACE	EA	1	\$1,400.00	\$1,400.00	\$500.00	\$500.00	\$500.00	\$500.00
7	STORMWATER POLLUTION PREVENTION PLAN COMPLIANCE, INSPECTIONS, MAINTENANCE OF ENTRANCE AND FENCE, NOI, NOT, ALL OTHER ITEMS NOT SPECIFICALLY LISTED ABOVE, COMPLETE IN PLACE	LS	1	\$5,600.00	\$5,600.00	\$2,800.00	\$2,800.00	\$571.20	\$571.20
8	INSTALL AND MAINTAIN FILTER FABRIC FENCE (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	23408	\$2.00	\$46,816.00	\$1.25	\$29,260.00	\$1.25	\$29,260.00
9	STAGE 1 INLET PROTECTION BARRIERS, INCLUDING MAINTENANCE THROUGHOUT STAGE 1 CONSTRUCTION, COMPLETE IN PLACE	EA	34	\$90.00	\$3,060.00	\$28.00	\$952.00	\$65.12	\$2,214.08
10	STAGE 2 INLET PROTECTION BARRIERS, INCLUDING MAINTENANCE THROUGHOUT STAGE 2 CONSTRUCTION, COMPLETE IN PLACE	EA	12	\$45.00	\$540.00	\$2.00	\$24.00	\$65.12	\$781.44
11	STABILIZED CONSTRUCTION EXIT, INSTALLATION, MAINTENANCE, AND REMOVAL (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$3,100.00	\$3,100.00	\$1,288.00	\$1,288.00	\$3,038.78	\$3,038.78

BID TABULATION FOR:

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

CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES
 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
 WALLER COUNTY MUNICIPAL UTILITY DISTRICT NO. 18
 WALLER COUNTY, TEXAS
 NOVEMBER 18, 2021
 LJA ENGINEERING, INC.
 C. DURHAM
 NOVEMBER 22, 2021
 7777-1057D,7777-1059D,7777-1059C (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) D. L. ELLIOTT ENTERPRISES, INC.		2) HURTADO CONSTRUCTION COMPANY		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12	PHASE 4&5 WS&D CONSTRUCTION STAKING BY THE CONTRACTOR TO BE PERFORMED BY LJA SURVEYING, INC., 713-953-5200, COMPLETE IN PLACE	LS	1	\$30,300.00	\$30,300.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
13	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$29.00	\$2,900.00	\$15.00	\$1,500.00	\$26.50	\$2,650.00
14	EXTRA SURVEY TRIP FOR RESTAKING PREVIOUSLY PROVIDED CONSTRUCTION STAKES THAT WERE DESTROYED BY OTHERS (THIS ITEM DOES NOT INCLUDE RESTAKING DUE TO CONTRACTOR DESTROYING OWN CONSTRUCTION STAKING OR FAILING TO PROTECT CONSTRUCTION STAKING FROM KNOWN HAZARDS SUCH AS CONSTRUCTION TRAFFIC, ORDERING STAKING TOO FAR IN ADVANCE, OR CONTRACTOR'S OWN EQUIPMENT, ETC.)	DAY	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
15	AS-BUILT SURVEY BY THE CONTRACTOR OF PH 4&5 ROWS AND FILL AREAS, TO BE PERFORMED BY LJA SURVEYING (713-953-5200), COMPLETE IN PLACE	LS	1	\$10,100.00	\$10,100.00	\$9,400.00	\$9,400.00	\$9,400.00	\$9,400.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$151,646.00	\$105,670.40			\$107,925.10
ALTERNATE BID A - PAVING IMPROVEMENT ITEMS – TWINWOOD BUSINESS PARK PHASE 5									
1	7" REINFORCED CONCRETE PAVEMENT, MINIMUM 3,500 PSI COMPRESSIVE STRENGTH, COMPLETE IN PLACE	SY	15076	\$54.00	\$814,104.00	\$54.88	\$827,370.88	\$56.00	\$844,256.00
2	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	10498	\$4.20	\$44,091.60	\$3.48	\$36,533.04	\$4.00	\$41,992.00
3	8" STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	17391	\$5.00	\$86,955.00	\$2.98	\$51,825.18	\$4.00	\$69,564.00
4	HYDRATED LIME FOR 8" STABILIZED SUB-GRADE (20 LBS/SY) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	180	\$230.00	\$41,400.00	\$238.00	\$42,840.00	\$280.00	\$50,400.00
5	FLY ASH FOR 8" STABILIZED SUB-GRADE (40 LBS/SY) AS REQUIRED BY SOIL CONDITIONS & APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	359	\$120.00	\$43,080.00	\$118.00	\$42,362.00	\$143.00	\$51,337.00
6	ROADWAY AND R.O.W EXCAVATION TO BE HAULED TO STOCKPILE, INCLUDES HAULING (MAX HAUL 1,500 FEET, OFF-ROAD), AND PLACEMENT WITH 8" LIFTS, COMPLETE IN PLACE	CY	10000	\$9.60	\$96,000.00	\$4.48	\$44,800.00	\$8.00	\$80,000.00
7	ROADWAY AND R.O.W EXCAVATION TO BE USED FOR MEDIAN EMBANKMENT, INCLUDES HAULING, PLACEMENT, AND COMPACTION TO 95% STANDARD PROCTOR DENSITY WITH 8" LIFTS, COMPLETE IN PLACE	CY	6000	\$6.60	\$39,600.00	\$3.88	\$23,280.00	\$8.00	\$48,000.00
8	6" PVC IRRIGATION SLEEVES, SCHEDULE 80, INCLUDES RISERS, PVC END CAPS, CEMENT STABILIZED SAND BACKFILL AND MARKERS, COMPLETE IN PLACE	LF	280	\$56.00	\$15,680.00	\$32.88	\$9,206.40	\$28.00	\$7,840.00
9	PERMANENT TRAFFIC CONTROL DEVICES, (INCLUDING TRAFFIC BUTTONS, PAVEMENT STRIPING) COMPLETE IN PLACE	LS	1	\$700.00	\$700.00	\$3,188.00	\$3,188.00	\$15,000.00	\$15,000.00
10	PERMANENT TRAFFIC CONTROL SIGNS, INCLUDING STOP SIGNS WITH STREET NAMES, DIRECTIONAL SIGNS WITH SUPPLEMENTS, SPEED LIMIT SIGNS, ETC., COMPLETE IN PLACE	EA	7	\$3,700.00	\$25,900.00	\$608.00	\$4,256.00	\$800.00	\$5,600.00
11	INSTALL TYPE III BARRICADE, ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	2	\$1,250.00	\$2,500.00	\$1,008.00	\$2,016.00	\$1,257.00	\$2,514.00
12	REMOVE AND DISPOSE TYPE III BARRICADE, ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	2	\$220.00	\$440.00	\$0.08	\$0.16	\$343.00	\$686.00
13	FINAL ADJUSTMENT OF MANHOLES, COMPLETE IN PLACE.	EA	27	\$640.00	\$17,280.00	\$88.00	\$2,376.00	\$286.00	\$7,722.00
14	FINAL GRADING OF ROADWAY & R.O.W., COMPLETE IN PLACE	LS	1	\$15,400.00	\$15,400.00	\$6,800.00	\$6,800.00	\$8,568.00	\$8,568.00

BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES
 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
 WALLER COUNTY MUNICIPAL UTILITY DISTRICT NO. 18
 WALLER COUNTY, TEXAS
 NOVEMBER 18, 2021
 LJA ENGINEERING, INC.
 C. DURHAM
 NOVEMBER 22, 2021
 7777-1057D,7777-1059D,7777-1059C (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	1) D. L. ELLIOTT ENTERPRISES, INC.		2) HURTADO CONSTRUCTION COMPANY		3) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
15	PAVING HEADER, COMPLETE IN PLACE	LF	80	\$37.00	\$2,960.00	\$28.00	\$2,240.00	\$35.00	\$2,800.00
16	DEMUCK, FILL, AND COMPACT EXISTING SWALES WITHIN R.O.W. TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	CY	2250	\$10.00	\$22,500.00	\$2.58	\$5,805.00	\$10.00	\$22,500.00
17	CONNECT PROPOSED 7" REINFORCED CONCRETE PAVEMENT TO EXISTING REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	LF	80	\$28.00	\$2,240.00	\$28.00	\$2,240.00	\$35.00	\$2,800.00
18	PHASE 5 PAVING CONSTRUCTION STAKING BY THE CONTRACTOR, TO BE PERFORMED BY LJA SURVEYING (713-953-5200), COMPLETE IN PLACE	LS	1	\$6,100.00	\$6,100.00	\$6,100.00	\$6,100.00	\$6,100.00	\$6,100.00
ALTERNATE BID A - PAVING IMPROVEMENT ITEMS – TWINWOOD BUSINESS PARK PHASE					\$1,276,930.60	\$1,113,238.66	\$1,267,679.00		
ALTERNATE BID B									
1	12' WIDE 6" THICK CRUSHED CONCRETE TO BE INSTALLED ON EXISTING DIRT ACCESS ROAD, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	3600	\$27.00	\$97,200.00	\$15.88	\$57,168.00	\$25.00	\$90,000.00
2	12' WIDE GEOTEXTILE FABRIC (TENSAR TRIAX TX140 OR APPROVED EQUAL) TO BE INSTALLED ON EXISTING DIRT ACCESS ROAD, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	3600	\$5.40	\$19,440.00	\$1.98	\$7,128.00	\$4.00	\$14,400.00
3	14' WIDE 6" THICK STABILIZED SUBGRADE (MANIPULATION) ON EXISTING DIRT ACCESS ROAD, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	4800	\$7.50	\$36,000.00	\$3.78	\$18,144.00	\$4.00	\$19,200.00
4	HYDRATED LIME FOR 6" THICK STABILIZED SUBGRADE (30 LBS/SY) ON EXISTING DIRT ACCESS ROAD, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	TON	72	\$230.00	\$16,560.00	\$248.00	\$17,856.00	\$280.00	\$20,160.00
ALTERNATE BID B SUBTOTAL:					\$169,200.00	\$100,296.00	\$143,760.00		
BIDDING SUMMARY									
SUBTOTAL WATER ITEMS - TWINWOOD BUSINESS PARK PHASE 4					\$1,166,433.00	\$1,128,079.16	\$1,107,346.57		
SUBTOTAL SANITARY ITEMS- TWINWOOD BUSINESS PARK PHASE 4					\$959,895.50	\$1,074,054.32	\$1,002,205.57		
SUBTOTAL DRAINAGE IMPROVEMENT ITEMS- TWINWOOD BUSINESS PARK PHASE 4					\$3,437,421.00	\$3,528,734.04	\$3,933,961.02		
SUBTOTAL SANITARY ITEMS- TWINWOOD BUSINESS PARK PHASE 5					\$331,967.50	\$418,917.20	\$354,214.85		
SUBTOTAL DRAINAGE IMPROVEMENT ITEMS- TWINWOOD BUSINESS PARK PHASE 5					\$1,751,557.00	\$1,763,096.56	\$1,923,917.26		
SUBTOTAL MISCELLANEOUS ITEMS					\$151,646.00	\$105,670.40	\$107,925.10		
TOTAL AMOUNT BASE BID					\$7,798,920.00	\$8,018,551.68	\$8,429,570.37		
ALTERNATE BID A - PAVING IMPROVEMENT ITEMS – TWINWOOD BUSINESS PARK PHASE 5									
TOTAL AMOUNT BASE BID					\$7,798,920.00	\$8,018,551.68	\$8,429,570.37		
SUBTOTAL ALTERNATE BID A - PAVING IMPROVEMENT ITEMS – TWINWOOD BUSINESS PARK PHASE 5					\$1,276,930.60	\$1,113,238.66	\$1,267,679.00		
TOTAL AMOUNT INCLUDING ALTERNATE BID A - PAVING IMPROVEMENT ITEMS – TWINWOOD BUSINESS PARK PHASE 5					\$9,075,850.60	\$9,131,790.34	\$9,697,249.37		
ALTERNATE BID B									
TOTAL AMOUNT BASE BID					\$7,798,920.00	\$8,018,551.68	\$8,429,570.37		
SUBTOTAL ALTERNATE BID B					\$169,200.00	\$100,296.00	\$143,760.00		
TOTAL AMOUNT INCLUDING ALTERNATE BID B					\$7,968,120.00	\$8,118,847.68	\$8,573,330.37		
TOTAL AMOUNT INCLUDING ALTERNATE BIDS A & B					\$9,245,050.60	\$9,232,086.34	\$9,841,009.37		

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CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES
 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
 WALLER COUNTY MUNICIPAL UTILITY DISTRICT NO. 18
 WALLER COUNTY, TEXAS
 NOVEMBER 18, 2021
 LJA ENGINEERING, INC.
 C. DURHAM
 NOVEMBER 22, 2021
 7777-1057D,7777-1059D,7777-1059C (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) PRINCIPAL SERVICES, LTD		j) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
WATER ITEMS - TWINWOOD BUSINESS PARK PHASE 4									
1	1½" PVC WATER PIPE, SCHEDULE 40, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	153	\$20.00	\$3,060.00	\$30.00	\$4,590.00	\$21.00	\$3,213.00
2	12" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1037	\$60.00	\$62,220.00	\$80.00	\$82,960.00	\$62.00	\$64,294.00
3	16" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3839	\$105.00	\$403,095.00	\$125.00	\$479,875.00	\$107.00	\$410,773.00
4	RESTRAINED JOINT 16" PVC WATER PIPE, C-900, DR 14, ALL DEPTHS, TO INCLUDE RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1935	\$190.00	\$367,650.00	\$215.00	\$416,025.00	\$196.00	\$379,260.00
5	RESTRAINED JOINT 12" PVC WATER PIPE, C-900, DR 14, ALL DEPTHS, TO INCLUDE RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	118	\$105.00	\$12,390.00	\$120.00	\$14,160.00	\$102.00	\$12,036.00
6	FIRE HYDRANT UNIT, ALL DEPTHS, TO INCLUDE APPROPRIATE TEE, 6" GATE VALVE AND BOX, 6" LEAD AND FIRE HYDRANT, AND BEDDING AND BACKFILL, COMPLETE IN PLACE	EA	17	\$6,500.00	\$110,500.00	\$6,100.00	\$103,700.00	\$6,197.00	\$105,349.00
7	TRENCH SAFETY FOR FIRE HYDRANT UNIT, COMPLETE IN PLACE	EA	17	\$0.10	\$1.70	\$1.00	\$17.00	\$59.00	\$1,003.00
8	16" PLUG & CLAMP WITH 2" BLOW-OFF VALVE AND BOX ASSEMBLY, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	1	\$1,800.00	\$1,800.00	\$1,850.00	\$1,850.00	\$1,974.00	\$1,974.00
9	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	7082	\$0.10	\$708.20	\$0.50	\$3,541.00	\$0.12	\$849.84
10	REMOVE EXISTING 16" PLUG & CLAMP AND 2" BLOW-OFF VALVE AND BOX, AND CONNECT PROPOSED 16" WATER LINE, INCLUDES ALL NECESSARY ADAPTERS AND CONNECTORS, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	1	\$1,300.00	\$1,300.00	\$1,400.00	\$1,400.00	\$1,854.00	\$1,854.00
11	12" GATE VALVE AND BOX ASSEMBLY AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	9	\$3,200.00	\$28,800.00	\$2,900.00	\$26,100.00	\$2,999.00	\$26,991.00
12	12" PLUG AND CLAMP WITH 2" BLOW-OFF VALVE AND BOX ASSEMBLY, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	9	\$1,500.00	\$13,500.00	\$1,500.00	\$13,500.00	\$1,622.00	\$14,598.00
13	16" BUTTERFLY VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	10	\$6,500.00	\$65,000.00	\$5,800.00	\$58,000.00	\$6,177.00	\$61,770.00
14	AIR RELEASE VALVE, MANHOLE, AND VENT, TO BE INSTALLED AT STA 9+00, 17+20, 33+00 AND 36+75, COMPLETE IN PLACE	EA	4	\$5,000.00	\$20,000.00	\$5,000.00	\$20,000.00	\$4,509.00	\$18,036.00
15	WATER VALVE EXTENSION, TO ALLOW FOR VALVE NUT TO BE ACCESSIBLE TO A DEPTH OF NO MORE THAN 4' BELOW A-BOX, COMPLETE IN PLACE	VF	76	\$90.00	\$6,840.00	\$55.00	\$4,180.00	\$44.00	\$3,344.00
16	IF EXISTING, REMOVE 1 1/2" PLUG AND CLAMP AND 2" BLOW-OFF VALVE AND BOX, AND CONNECT PROPOSED 1 1/2" WATER PIPE, OR IF NOT INSTALLED, 1 1/2" PLUG AND CLAMP FOR FUTURE CONNECTION, INCLUDING ALL NECESSARY ADAPTERS AND CONNECTORS, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$290.00	\$290.00	\$115.00	\$115.00
17	6" STL CONCRETE FILLED BOLLARD FOR WATER AIR RELEASE MH VENT, PAINTED FOREST GREEN, INCLUDING RED AND WHITE REFLECTOR TAPE, COMPLETE IN PLACE	EA	8	\$1,700.00	\$13,600.00	\$310.00	\$2,480.00	\$1,845.00	\$14,760.00
18	ADDITIONAL CAST IRON FITTINGS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	4	\$1.00	\$4.00	\$500.00	\$2,000.00	\$1,176.00	\$4,704.00

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 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
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 WALLER COUNTY, TEXAS
 NOVEMBER 18, 2021
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ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) PRINCIPAL SERVICES, LTD		j) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
19	UTILITY SPOIL TO BE USED AS FILL FOR DISCOVERY HILLS PARKWAY, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	CY	3252	\$3.00	\$9,756.00	\$5.00	\$16,260.00	\$2.00	\$6,504.00
20	TRENCHLESS CONSTRUCTION OF 16" PVC C-900, DR 14 WATERLINE WITH RESTRAINED JOINTS ACROSS ENTERPRISE PIPELINE EASEMENT, INCLUDING BORE PITS, PIPELINE COORDINATION, EXPOSING ENTERPRISE PIPELINE BY HAND DIGGING FOR VIEWING WINDOW, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	60	\$140.00	\$8,400.00	\$348.00	\$20,880.00	\$29.00	\$1,740.00
21	OPEN-CUT CONSTRUCTION OF 16" PVC C-900, DR 14 WATERLINE WITH RESTRAINED JOINTS ACROSS ENTERPRISE PIPELINE EASEMENT, INCLUDING PIPELINE COORDINATION, EXPOSING ENTERPRISE PIPELINE BY HAND DIGGING, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	60	\$190.00	\$11,400.00	\$256.00	\$15,360.00	\$54.00	\$3,240.00
22	16" X 1-1/2" TS&V, COMPLETE IN PLACE	EA	1	\$4,000.00	\$4,000.00	\$1,650.00	\$1,650.00	\$382.00	\$382.00
WATER ITEMS - TWINWOOD BUSINESS PARK PHASE 4 SUBTOTAL:					\$1,144,124.90	\$1,288,818.00	\$1,136,789.84		
SANITARY ITEMS- TWINWOOD BUSINESS PARK PHASE 4									
1	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	872	\$40.00	\$34,880.00	\$64.00	\$55,808.00	\$43.00	\$37,496.00
2	10" PVC SEWER PIPE, ASTM D-3034, SDR 26, 0' - 12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	109	\$48.00	\$5,232.00	\$74.00	\$8,066.00	\$60.00	\$6,540.00
3	12" PVC SEWER PIPE, ASTM D-3034, SDR 26, OVER 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3271	\$115.00	\$376,165.00	\$150.00	\$490,650.00	\$205.00	\$670,555.00
4	15" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16' - 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	54	\$145.00	\$7,830.00	\$135.00	\$7,290.00	\$120.00	\$6,480.00
5	8" PVC C900, DR 18 SEWER FORCE MAIN PIPE, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3284	\$38.00	\$124,792.00	\$69.00	\$226,596.00	\$36.00	\$118,224.00
6	RESTRAINED JOINT 8" PVC FORCE MAIN PIPE, C-900, DR-14, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	2175	\$56.00	\$121,800.00	\$84.00	\$182,700.00	\$49.00	\$106,575.00
7	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	9656	\$0.10	\$965.60	\$0.50	\$4,828.00	\$0.12	\$1,158.72
8	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), TO INCLUDE RIGID PLASTIC INFLOW PROTECTOR, COMPLETE IN PLACE	EA	15	\$2,900.00	\$43,500.00	\$5,000.00	\$75,000.00	\$4,796.00	\$71,940.00
9	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	212	\$180.00	\$38,160.00	\$300.00	\$63,600.00	\$299.00	\$63,388.00
10	CORROSION RESISTANT MANHOLE FOR FORCE MAIN DISCHARGE, LINED WITH RAVEN 405 100 MILS MIN, INCLUDES ALL FITTINGS AND APPURTENANCES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$15,000.00	\$15,000.00	\$14,000.00	\$14,000.00	\$14,432.00	\$14,432.00
11	AIR RELEASE MANHOLE FOR FORCE MAIN TO BE INSTALLED AT STA 10+25, 33+45, AND 49+75, INCLUDES ALL FITTINGS AND APPURTENANCES, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$13,000.00	\$39,000.00	\$12,400.00	\$37,200.00	\$16,123.00	\$48,369.00
12	6" STL CONCRETE FILLED BOLLARD FOR FORCEMAIN AIR RELEASE MANHOLE VENT, PAINTED FOREST GREEN, INCLUDING RED AND WHITE REFLECTOR TAPE, COMPLETE IN PLACE	EA	6	\$1,700.00	\$10,200.00	\$310.00	\$1,860.00	\$1,942.00	\$11,652.00
13	UTILITY SPOIL TO BE HAULED TO LIFT STATION SITE, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	2993	\$3.00	\$8,979.00	\$5.00	\$14,965.00	\$6.00	\$17,958.00

BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES
 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
 WALLER COUNTY MUNICIPAL UTILITY DISTRICT NO. 18
 WALLER COUNTY, TEXAS
 NOVEMBER 18, 2021
 LJA ENGINEERING, INC.
 C. DURHAM
 NOVEMBER 22, 2021
 7777-1057D,7777-1059D,7777-1059C (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) PRINCIPAL SERVICES, LTD		j) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
14	FINAL ADJUSTMENT OF MANHOLE, COMPLETE IN PLACE	EA	16	\$1.00	\$16.00	\$1.00	\$16.00	\$350.00	\$5,600.00
15	FURNISH AND INSTALL GROUND WATER CONTROL SYSTEM FOR SANITARY SEWERS, WELL POINTS, COMPLETE IN PLACE	LF	3250	\$20.00	\$65,000.00	\$20.00	\$65,000.00	\$20.00	\$65,000.00
16	8" SANITARY SEWER PLUG, COMPLETE IN PLACE	EA	8	\$50.00	\$400.00	\$50.00	\$400.00	\$37.00	\$296.00
17	FURNISH AND INSTALL WET SAND CONSTRUCTION FOR SANITARY SEWERS, ALL SIZES, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LF	3250	\$25.00	\$81,250.00	\$25.00	\$81,250.00	\$25.00	\$81,250.00
18	CORE 8" PROPOSED SANITARY SEWER FORCEMAIN INTO EXISTING SANITARY SEWER MANHOLE, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$941.00	\$941.00
19	IF EXISTING, REMOVE 8" FORCEMAIN PLUG AND CONNECT PROPOSED 8" FORCEMAIN, COMPLETE IN PLACE	EA	1	\$800.00	\$800.00	\$800.00	\$800.00	\$958.00	\$958.00
20	EXTERNAL DROP CONNECTION (2' DEPTH), COMPLETE IN PLACE	EA	6	\$800.00	\$4,800.00	\$750.00	\$4,500.00	\$480.00	\$2,880.00
21	EXTRA DEPTH FOR EXTERNAL DROP CONNECTION (OVER 2' DEPTH), COMPLETE IN PLACE	VF	31	\$60.00	\$1,860.00	\$42.00	\$1,302.00	\$19.00	\$589.00
22	TRENCHLESS CONSTRUCTION OF 12" PVC SDR 26 SANITARY SEWER ACROSS ENTERPRISE PIPELINE EASEMENT, INCLUDING BORE PITS, PIPELINE COORDINATION, EXPOSING ENTERPRISE PIPELINE BY HAND DIGGING FOR VIEWING WINDOW, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	60	\$450.00	\$27,000.00	\$215.00	\$12,900.00	\$100.00	\$6,000.00
23	OPEN-CUT CONSTRUCTION OF 12" PVC SDR 26 SANITARY SEWER ACROSS ENTERPRISE PIPELINE EASEMENT, INCLUDING PIPELINE COORDINATION, EXPOSING ENTERPRISE PIPELINE BY HAND DIGGING, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	60	\$50.00	\$3,000.00	\$194.00	\$11,640.00	\$63.00	\$3,780.00
24	TRENCHLESS CONSTRUCTION OF 8" PVC C-900, DR 14 SANITARY FORCEMAIN WITH RESTRAINED JOINTS ACROSS ENTERPRISE PIPELINE EASEMENT, INCLUDING BORE PITS, PIPELINE COORDINATION, EXPOSING ENTERPRISE PIPELINE BY HAND DIGGING FOR VIEWING WINDOW, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	VF	60	\$350.00	\$21,000.00	\$219.00	\$13,140.00	\$59.00	\$3,540.00
25	OPEN-CUT CONSTRUCTION OF 8" PVC C-900, DR 14 SANITARY FORCEMAIN WITH RESTRAINED JOINTS ACROSS ENTERPRISE PIPELINE EASEMENT, INCLUDING PIPELINE COORDINATION, EXPOSING ENTERPRISE PIPELINE BY HAND DIGGING, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	60	\$60.00	\$3,600.00	\$126.00	\$7,560.00	\$53.00	\$3,180.00
SANITARY ITEMS- TWINWOOD BUSINESS PARK PHASE 4 SUBTOTAL:					\$1,036,229.60		\$1,382,071.00		\$1,348,781.72
DRAINAGE IMPROVEMENT ITEMS- TWINWOOD BUSINESS PARK PHASE 4									
1	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1161	\$75.00	\$87,075.00	\$100.00	\$116,100.00	\$87.00	\$101,007.00
2	30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1133	\$105.00	\$118,965.00	\$125.00	\$141,625.00	\$109.00	\$123,497.00
3	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	379	\$135.00	\$51,165.00	\$165.00	\$62,535.00	\$148.00	\$56,092.00
4	42" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	82	\$180.00	\$14,760.00	\$220.00	\$18,040.00	\$201.00	\$16,482.00
5	48" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	90	\$205.00	\$18,450.00	\$245.00	\$22,050.00	\$242.00	\$21,780.00
6	54" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	50	\$330.00	\$16,500.00	\$350.00	\$17,500.00	\$349.00	\$17,450.00

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 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
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ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) PRINCIPAL SERVICES, LTD		j) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
7	60" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	194	\$380.00	\$73,720.00	\$450.00	\$87,300.00	\$375.00	\$72,750.00
8	6' X 5' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	261	\$600.00	\$156,600.00	\$671.00	\$175,131.00	\$915.00	\$238,815.00
9	7' X 10' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	147	\$1,160.00	\$170,520.00	\$1,315.00	\$193,305.00	\$1,249.00	\$183,603.00
10	9' X 5' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	153	\$850.00	\$130,050.00	\$1,018.00	\$155,754.00	\$974.00	\$149,022.00
11	9' X 6' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	80	\$890.00	\$71,200.00	\$1,105.00	\$88,400.00	\$977.00	\$78,160.00
12	10' X 8' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	96	\$1,200.00	\$115,200.00	\$1,408.00	\$135,168.00	\$1,417.00	\$136,032.00
13	11' X 8' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	496	\$1,400.00	\$694,400.00	\$1,561.00	\$774,256.00	\$1,572.00	\$779,712.00
14	12' X 8' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	281	\$1,600.00	\$449,600.00	\$1,750.00	\$491,750.00	\$1,773.00	\$498,213.00
15	12' X 10' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	665	\$1,700.00	\$1,130,500.00	\$1,854.00	\$1,232,910.00	\$1,891.00	\$1,257,515.00
16	12' X 8' TO 12'X10' REINFORCED CONCRETE BOX PRECAST TRANSITION PIECE (RINKER OR APPROVED EQUAL), COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$19,767.00	\$19,767.00
17	11' X 8' TO 12'X8' REINFORCED CONCRETE BOX PRECAST TRANSITION PIECE (RINKER OR APPROVED EQUAL), COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$19,027.00	\$19,027.00
18	TYPE "C" MANHOLE TOP ON REINFORCED CONCRETE BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$2,600.00	\$23,400.00	\$3,500.00	\$31,500.00	\$3,062.00	\$27,558.00
19	JUNCTION BOX FOR DUAL 7'X10' RCB, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$75,000.00	\$75,000.00	\$68,000.00	\$68,000.00	\$90,473.00	\$90,473.00
20	JUNCTION BOX FOR 3- 6'X5' RCB, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$45,000.00	\$90,000.00	\$34,000.00	\$68,000.00	\$44,469.00	\$88,938.00
21	TYPE "C" MANHOLE FOR UP TO 72" STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$6,500.00	\$52,000.00	\$8,000.00	\$64,000.00	\$7,345.00	\$58,760.00
22	8" BRICK PLUG FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PACE	EA	8	\$600.00	\$4,800.00	\$250.00	\$2,000.00	\$562.00	\$4,496.00
23	8" BRICK PLUG FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PACE	EA	2	\$600.00	\$1,200.00	\$250.00	\$500.00	\$713.00	\$1,426.00
24	TYPE "E" INLET, OPEN ALL SIDES, COMPLETE IN PLACE	EA	5	\$4,100.00	\$20,500.00	\$4,500.00	\$22,500.00	\$4,860.00	\$24,300.00
25	TYPE "E" INLET ON 9'X6' RCB, OPEN ALL SIDES, COMPLETE IN PLACE	EA	4	\$3,700.00	\$14,800.00	\$2,600.00	\$10,400.00	\$4,587.00	\$18,348.00
26	TYPE "H-2" INLET, STAGE 1, COMPLETE IN PLACE	EA	4	\$1,600.00	\$6,400.00	\$2,000.00	\$8,000.00	\$2,330.00	\$9,320.00
27	TYPE "C" INLET - 10 FT, STAGE 1, COMPLETE IN PLACE	EA	2	\$1,500.00	\$3,000.00	\$4,500.00	\$9,000.00	\$2,236.00	\$4,472.00
28	TYPE "C" INLET - 15 FT, STAGE 1, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00	\$11,000.00	\$22,000.00	\$2,836.00	\$5,672.00
29	TYPE "C" INLET - 20 FT, STAGE 1, COMPLETE IN PLACE	EA	9	\$4,200.00	\$37,800.00	\$20,000.00	\$180,000.00	\$5,107.00	\$45,963.00
30	TYPE E INLET TOP CONSTRUCTED ON TYPE C INLET BASE, OPEN ALL SIDES, COMPLETE IN PLACE	EA	11	\$5,000.00	\$55,000.00	\$2,600.00	\$28,600.00	\$5,960.00	\$65,560.00

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 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
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 LJA ENGINEERING, INC.
 C. DURHAM
 NOVEMBER 22, 2021
 7777-1057D,7777-1059D,7777-1059C (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) PRINCIPAL SERVICES, LTD		j) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
31	TYPE E INLET TOP CONSTRUCTED ON TYPE C INLET BASE, OPEN ONE SIDE, COMPLETE IN PLACE	EA	3	\$4,700.00	\$14,100.00	\$2,500.00	\$7,500.00	\$5,537.00	\$16,611.00
32	TYPE E INLET TOP CONSTRUCTED ON TYPE H2 INLET BASE, OPEN ALL SIDES, COMPLETE IN PLACE	EA	1	\$4,700.00	\$4,700.00	\$2,300.00	\$2,300.00	\$5,538.00	\$5,538.00
33	PRECAST H2 INLET BLIND CAP CONSTRUCTED ON H2 INLET BASE, COMPLETE IN PLACE	EA	3	\$1,400.00	\$4,200.00	\$1,300.00	\$3,900.00	\$1,724.00	\$5,172.00
34	24" SAFETY END TREATMENT WITH 4:1 SLOPE, TO INCLUDE CONNECTION OF 24" RCP TO 24" SAFETY END TREATMENT, SAFETY END TREATMENT TO BE FLUSH WITH ROADSIDE DITCH SIDE SLOPE, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00	\$1,229.00	\$1,229.00
35	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZE, COMPLETE IN PLACE	LF	5233	\$0.10	\$523.30	\$0.50	\$2,616.50	\$0.12	\$627.96
36	UTILITY SPOIL TO BE HAULED, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	14448	\$3.00	\$43,344.00	\$5.00	\$72,240.00	\$4.00	\$57,792.00
37	HYDROMULCH SEEDING, FINE GRADING AND WATERING OF OFFSITE SWALES AND OVERFLOW SWALE TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	4	\$1,200.00	\$4,800.00	\$2,000.00	\$8,000.00	\$3,702.00	\$14,808.00
38	BROADCAST SEEDING, FERTILIZING, AND WATERING TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	5	\$600.00	\$3,000.00	\$900.00	\$4,500.00	\$1,265.00	\$6,325.00
39	"V" SHAPED GRASS LINED DRAINAGE SWALE EXTENDING FROM ROADSIDE DITCH TO DRAINAGE CHANNEL, COMPLETE IN PLACE	CY	600	\$4.00	\$2,400.00	\$6.00	\$3,600.00	\$3.00	\$1,800.00
40	FLEXAMAT SEEDER EROSION CONTROL BLANKET, OR APPROVED EQUAL, FOR EXTREME EVENT OVERFLOW SWALE, TO BE USED AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	SY	304	\$100.00	\$30,400.00	\$66.00	\$20,064.00	\$179.00	\$54,416.00
41	CONCRETE COLLAR FOR CONNECTION OF RCP (ALL SIZES) TO THE SIDE OF PROPOSED REINFORCED CONCRETE BOX, COMPLETE IN PLACE	EA	17	\$800.00	\$13,600.00	\$1,300.00	\$22,100.00	\$3,029.00	\$51,493.00
42	REINFORCED CONCRETE HEADWALLS, WINGWALLS, AND SLAB FOR 9'X5' RCB, COMPLETE IN PLACE	EA	2	\$95,000.00	\$190,000.00	\$70,000.00	\$140,000.00	\$138,122.00	\$276,244.00
43	REGRADE EXISTING SWALE, AS SHOWN ON SHEET 27, COMPLETE IN PLACE	LF	106	\$20.00	\$2,120.00	\$25.00	\$2,650.00	\$3.00	\$318.00
44	RE-ESTABLISH EXISTING DIRT ROAD AND EXISTING ROADSIDE DITCHES, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00	\$1,000.00	\$1,000.00	\$12,070.00	\$12,070.00
45	MAINTAIN EXISTING DIRT ROAD THROUGHOUT CONSTRUCTION TO ALLOW FOR LIFT STATION ACCESS, COMPLETE IN PLACE	MO	6	\$1,500.00	\$9,000.00	\$500.00	\$3,000.00	\$6,035.00	\$36,210.00
46	COFFER DAM AT EXISTING DUAL 7X10 RCB OUTFALL FOR CONSTRUCTION OF CONNECTION OF PROPOSED DUAL 7X10 RCB TO EXISTING DUAL 7X10 RCB, INCLUDING REMOVAL UPON COMPLETION, COMPLETE IN PLACE	EA	1	\$7,500.00	\$7,500.00	\$5,000.00	\$5,000.00	\$23,421.00	\$23,421.00
47	COFFER DAM AT EXISTING 60" RCP OUTFALL FOR CONSTRUCTION OF CONNECTION OF PROPOSED 60" RCP TO EXISTING 60" RCP, INCLUDING REMOVAL UPON COMPLETION, COMPLETE IN PLACE	EA	1	\$7,500.00	\$7,500.00	\$5,000.00	\$5,000.00	\$23,421.00	\$23,421.00
48	DIVERT EXISTING DITCH FOR CONSTRUCTION OF PROPOSED 9X5 RCB AND HEADWALLS, INCLUDING REMOVAL UPON COMPLETION, COMPLETE IN PLACE	LS	1	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$19,147.00	\$19,147.00
49	REMOVE AND DISPOSE OF EXISTING 24" HDPE, COMPLETE IN PLACE	LF	30	\$20.00	\$600.00	\$33.00	\$990.00	\$15.00	\$450.00
50	ADDITIONAL COST OF INSTALLATION OF PROPOSED 3 - 6' X 5' RCP WITHIN PIPELINE EASEMENT, INCLUDING EXPOSING PIPELINE BY HAND DIGGING, COORDINATION WITH ENTERPRISE PIPELINE COMPANY REPRESENTATIVE, BRACING ON PIPELINE IF NECESSARY, COMPLETE IN PLACE	LS	1	\$10,000.00	\$10,000.00	\$50,487.47	\$50,487.47	\$575,000.00	\$575,000.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
51	REMOVE EXISTING BRICK PLUG ON 7' X 10' RCP & CONNECT PROPOSED 7' X 10' RCB, COMPLETE IN PLACE	EA	2	\$1,000.00	\$2,000.00	\$2,000.00	\$4,000.00	\$760.00	\$1,520.00
52	REMOVE EXISTING BRICK PLUG ON EXISTING 60" EXISTING RCP & CONNECT PROPOSED 60" RCP, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$760.00	\$760.00
53	80' WIDE OVERFLOW SWALE, COMPLETE IN PLACE	LF	30	\$80.00	\$2,400.00	\$140.00	\$4,200.00	\$133.00	\$3,990.00
DRAINAGE IMPROVEMENT ITEMS- TWINWOOD BUSINESS PARK PHASE 4 SUBTOTAL:					\$4,060,292.30		\$4,599,971.97		\$5,402,572.96
SANITARY ITEMS- TWINWOOD BUSINESS PARK PHASE 5									
1	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 12' - 16' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	312	\$47.00	\$14,664.00	\$67.00	\$20,904.00	\$49.00	\$15,288.00
2	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16' - 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	233	\$75.00	\$17,475.00	\$85.00	\$19,805.00	\$76.00	\$17,708.00
3	10" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16' - 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1213	\$85.00	\$103,105.00	\$95.00	\$115,235.00	\$85.00	\$103,105.00
4	10" PVC SEWER PIPE, ASTM D-3034, SDR 26, OVER 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	109	\$95.00	\$10,355.00	\$135.00	\$14,715.00	\$130.00	\$14,170.00
5	12" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16' TO 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	375	\$110.00	\$41,250.00	\$130.00	\$48,750.00	\$122.00	\$45,750.00
6	12" PVC SEWER PIPE, ASTM D-3034, SDR 26, OVER 20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	639	\$115.00	\$73,485.00	\$150.00	\$95,850.00	\$141.00	\$90,099.00
7	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2881	\$0.10	\$288.10	\$0.50	\$1,440.50	\$0.12	\$345.72
8	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), TO INCLUDE RIGID PLASTIC INFLOW PROTECTOR, COMPLETE IN PLACE	EA	10	\$3,000.00	\$30,000.00	\$5,000.00	\$50,000.00	\$4,796.00	\$47,960.00
9	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	103	\$180.00	\$18,540.00	\$300.00	\$30,900.00	\$299.00	\$30,797.00
10	UTILITY SPOIL TO BE HAULED TO STOCKPILE, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	1053	\$4.00	\$4,212.00	\$5.00	\$5,265.00	\$4.00	\$4,212.00
11	FINAL ADJUSTMENT OF MANHOLE, COMPLETE IN PLACE	EA	10	\$1.00	\$10.00	\$1.00	\$10.00	\$350.00	\$3,500.00
12	FURNISH AND INSTALL GROUND WATER CONTROL SYSTEM FOR SANITARY SEWERS, WELL POINTS, COMPLETE IN PLACE	LF	1500	\$25.00	\$37,500.00	\$20.00	\$30,000.00	\$20.00	\$30,000.00
13	8" SANITARY SEWER PLUG, COMPLETE IN PLACE	EA	5	\$110.00	\$550.00	\$100.00	\$500.00	\$102.00	\$510.00
14	FURNISH AND INSTALL WET SAND CONSTRUCTION FOR SANITARY SEWERS, ALL SIZES, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LF	1500	\$25.00	\$37,500.00	\$25.00	\$37,500.00	\$25.00	\$37,500.00
SANITARY ITEMS- TWINWOOD BUSINESS PARK PHASE 5 SUBTOTAL:					\$388,934.10		\$470,874.50		\$440,944.72
DRAINAGE IMPROVEMENT ITEMS- TWINWOOD BUSINESS PARK PHASE 5									
1	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	378	\$90.00	\$34,020.00	\$100.00	\$37,800.00	\$88.00	\$33,264.00
2	30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	130	\$120.00	\$15,600.00	\$125.00	\$16,250.00	\$112.00	\$14,560.00

BID TABULATION FOR:

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

CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES
 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
 WALLER COUNTY MUNICIPAL UTILITY DISTRICT NO. 18
 WALLER COUNTY, TEXAS
 NOVEMBER 18, 2021
 LJA ENGINEERING, INC.
 C. DURHAM
 NOVEMBER 22, 2021
 7777-1057D,7777-1059D,7777-1059C (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) PRINCIPAL SERVICES, LTD		j) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
3	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	100	\$155.00	\$15,500.00	\$165.00	\$16,500.00	\$151.00	\$15,100.00
4	42" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	560	\$175.00	\$98,000.00	\$220.00	\$123,200.00	\$191.00	\$106,960.00
5	48" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	50	\$210.00	\$10,500.00	\$245.00	\$12,250.00	\$251.00	\$12,550.00
6	54" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	50	\$330.00	\$16,500.00	\$350.00	\$17,500.00	\$349.00	\$17,450.00
7	60" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	435	\$350.00	\$152,250.00	\$450.00	\$195,750.00	\$370.00	\$160,950.00
8	6' X 5' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	90	\$545.00	\$49,050.00	\$671.00	\$60,390.00	\$627.00	\$56,430.00
9	6' X 6' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	334	\$595.00	\$198,730.00	\$725.00	\$242,150.00	\$649.00	\$216,766.00
10	7' X 6' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	605	\$695.00	\$420,475.00	\$858.00	\$519,090.00	\$763.00	\$461,615.00
11	8' X 6' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	236	\$780.00	\$184,080.00	\$931.00	\$219,716.00	\$841.00	\$198,476.00
12	9' X 6' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	345	\$915.00	\$315,675.00	\$1,105.00	\$381,225.00	\$995.00	\$343,275.00
13	10' X 8' REINFORCED CONCRETE BOX STORM SEWER, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	78	\$1,215.00	\$94,770.00	\$1,408.00	\$109,824.00	\$1,472.00	\$114,816.00
14	8' X 6' TO 9'X6' REINFORCED CONCRETE BOX PRECAST TRANSITION PIECE (RINKER OR APPROVED EQUAL), COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$8,370.00	\$8,370.00
15	7' X 6' TO 8'X6' REINFORCED CONCRETE BOX PRECAST TRANSITION PIECE (RINKER OR APPROVED EQUAL), COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$7,320.00	\$7,320.00
16	6' X 6' TO 7'X6' REINFORCED CONCRETE BOX PRECAST TRANSITION PIECE (RINKER OR APPROVED EQUAL), COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$6,459.00	\$6,459.00
17	6' X 5' TO 6'X6' REINFORCED CONCRETE BOX PRECAST TRANSITION PIECE (RINKER OR APPROVED EQUAL), COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$5,451.00	\$5,451.00
18	TYPE "C" MANHOLE TOP CONSTRUCTED ON REINFORCED CONCRETE BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$4,500.00	\$36,000.00	\$2,800.00	\$22,400.00	\$5,033.00	\$40,264.00
19	JUNCTION BOX WITH TYPE "C" MANHOLE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$15,000.00	\$90,000.00	\$39,000.00	\$234,000.00	\$16,428.00	\$98,568.00
20	8" BRICK PLUG FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$600.00	\$4,800.00	\$250.00	\$2,000.00	\$562.00	\$4,496.00
21	8" BRICK PLUG FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$600.00	\$1,800.00	\$250.00	\$750.00	\$713.00	\$2,139.00
22	TYPE "C" INLET – 10 FT, STAGE 1, COMPLETE IN PLACE	EA	7	\$1,700.00	\$11,900.00	\$2,900.00	\$20,300.00	\$2,513.00	\$17,591.00
23	TYPE "C" INLET – 15 FT, STAGE 1, COMPLETE IN PLACE	EA	3	\$2,000.00	\$6,000.00	\$6,700.00	\$20,100.00	\$2,771.00	\$8,313.00
24	TYPE "C" INLET – 20 FT, STAGE 1, COMPLETE IN PLACE	EA	2	\$3,500.00	\$7,000.00	\$12,500.00	\$25,000.00	\$4,248.00	\$8,496.00

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CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES
 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
 WALLER COUNTY MUNICIPAL UTILITY DISTRICT NO. 18
 WALLER COUNTY, TEXAS
 NOVEMBER 18, 2021
 LJA ENGINEERING, INC.
 C. DURHAM
 NOVEMBER 22, 2021
 7777-1057D,7777-1059D,7777-1059C (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) PRINCIPAL SERVICES, LTD		j) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
25	TYPE "C" INLET – 10 FT, STAGE 2, COMPLETE IN PLACE	EA	7	\$2,700.00	\$18,900.00	\$3,400.00	\$23,800.00	\$3,139.00	\$21,973.00
26	TYPE "C" INLET – 15 FT, STAGE 2, COMPLETE IN PLACE	EA	3	\$3,400.00	\$10,200.00	\$2,300.00	\$6,900.00	\$3,542.00	\$10,626.00
27	TYPE "C" INLET – 20 FT, STAGE 2, COMPLETE IN PLACE	EA	2	\$4,000.00	\$8,000.00	\$2,700.00	\$5,400.00	\$5,745.00	\$11,490.00
28	CONCRETE COLLAR FOR CONNECTION OF RCP TO THE SIDE OF PROPOSED REINFORCED CONCRETE BOX, ALL SIZES, COMPLETE IN PLACE	EA	12	\$600.00	\$7,200.00	\$1,300.00	\$15,600.00	\$3,028.00	\$36,336.00
29	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZE, COMPLETE IN PLACE	LF	3391	\$0.10	\$339.10	\$0.50	\$1,695.50	\$0.12	\$406.92
30	UTILITY SPOIL TO BE HAULED TO STOCKPILE, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	8508	\$3.00	\$25,524.00	\$5.00	\$42,540.00	\$6.00	\$51,048.00
31	HYDROMULCH SEEDING, FINE GRADING AND WATERING OF OFFSITE SWALES AND OVERFLOW SWALE TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	1.5	\$1,200.00	\$1,800.00	\$2,100.00	\$3,150.00	\$3,702.00	\$5,553.00
32	BROADCAST SEEDING, FERTILIZING, AND WATERING TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	5	\$600.00	\$3,000.00	\$1,050.00	\$5,250.00	\$1,265.00	\$6,325.00
DRAINAGE IMPROVEMENT ITEMS- TWINWOOD BUSINESS PARK PHASE 5 SUBTOTAL:					\$1,845,613.10		\$2,384,530.50		\$2,103,436.92
MISCELLANEOUS ITEMS									
1	REMOVE AND REPLACE EXISTING BARBED WIRE FENCE AS NECESSARY FOR CONSTRUCTION, TO INCLUDE DISPOSAL OF EXISTING FENCE, COMPLETE IN PLACE	LF	280	\$20.00	\$5,600.00	\$15.00	\$4,200.00	\$5.00	\$1,400.00
2	BERMUDA SOD, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	1500	\$5.00	\$7,500.00	\$7.00	\$10,500.00	\$5.00	\$7,500.00
3	BROADCAST SEEDING, FERTILIZING, AND WATERING OF DISTURBED AREAS, TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	10	\$600.00	\$6,000.00	\$900.00	\$9,000.00	\$1,265.00	\$12,650.00
4	FLEX-TERRA HYDROMULCH SEEDING (APPLIED FROM 2 DIRECTIONS) (3,000 LBS/AC), INCLUDING WATERING, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	3	\$4,000.00	\$12,000.00	\$10,000.00	\$30,000.00	\$11,996.00	\$35,988.00
5	CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING DEBRIS (INCLUDING TRASH, TIRES, MATTRESSES, ETC.) PER STANDARD 40 YARD DUMPSTER LOAD, INCLUDES LOADING, HAULING OFF, ENVIRONMENTAL COMPLIANCE AND DISPOSAL, TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LOAD	1	\$800.00	\$800.00	\$800.00	\$800.00	\$800.00	\$800.00
6	CONCRETE TRUCK WASHOUT PIT, TO INCLUDE INSTALLATION, MAINTENANCE AND REMOVAL, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$500.00	\$500.00	\$765.00	\$765.00
7	STORMWATER POLLUTION PREVENTION PLAN COMPLIANCE, INSPECTIONS, MAINTENANCE OF ENTRANCE AND FENCE, NOI, NOT, ALL OTHER ITEMS NOT SPECIFICALLY LISTED ABOVE, COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$6,353.00	\$6,353.00
8	INSTALL AND MAINTAIN FILTER FABRIC FENCE (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	23408	\$1.25	\$29,260.00	\$1.25	\$29,260.00	\$3.00	\$70,224.00
9	STAGE 1 INLET PROTECTION BARRIERS, INCLUDING MAINTENANCE THROUGHOUT STAGE 1 CONSTRUCTION, COMPLETE IN PLACE	EA	34	\$25.00	\$850.00	\$50.00	\$1,700.00	\$106.00	\$3,604.00
10	STAGE 2 INLET PROTECTION BARRIERS, INCLUDING MAINTENANCE THROUGHOUT STAGE 2 CONSTRUCTION, COMPLETE IN PLACE	EA	12	\$25.00	\$300.00	\$50.00	\$600.00	\$106.00	\$1,272.00
11	STABILIZED CONSTRUCTION EXIT, INSTALLATION, MAINTENANCE, AND REMOVAL (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$3,080.00	\$3,080.00	\$3,624.00	\$3,624.00

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CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES
 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
 WALLER COUNTY MUNICIPAL UTILITY DISTRICT NO. 18
 WALLER COUNTY, TEXAS
 NOVEMBER 18, 2021
 LJA ENGINEERING, INC.
 C. DURHAM
 NOVEMBER 22, 2021
 7777-1057D,7777-1059D,7777-1059C (9.2)

BID OPENING DATE:
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LJA JOB NO.

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) PRINCIPAL SERVICES, LTD		j) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12	PHASE 4&5 WS&D CONSTRUCTION STAKING BY THE CONTRACTOR TO BE PERFORMED BY LJA SURVEYING, INC., 713-953-5200, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
13	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$15.00	\$1,500.00	\$15.00	\$1,500.00	\$15.00	\$1,500.00
14	EXTRA SURVEY TRIP FOR RESTAKING PREVIOUSLY PROVIDED CONSTRUCTION STAKES THAT WERE DESTROYED BY OTHERS (THIS ITEM DOES NOT INCLUDE RESTAKING DUE TO CONTRACTOR DESTROYING OWN CONSTRUCTION STAKING OR FAILING TO PROTECT CONSTRUCTION STAKING FROM KNOWN HAZARDS SUCH AS CONSTRUCTION TRAFFIC, ORDERING STAKING TOO FAR IN ADVANCE, OR CONTRACTOR'S OWN EQUIPMENT, ETC.)	DAY	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
15	AS-BUILT SURVEY BY THE CONTRACTOR OF PH 4&5 ROWS AND FILL AREAS, TO BE PERFORMED BY LJA SURVEYING (713-953-5200), COMPLETE IN PLACE	LS	1	\$9,400.00	\$9,400.00	\$9,400.00	\$9,400.00	\$9,400.00	\$9,400.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$109,710.00		\$133,540.00		\$187,080.00
ALTERNATE BID A - PAVING IMPROVEMENT ITEMS - TWINWOOD BUSINESS PARK PHASE 5									
1	7" REINFORCED CONCRETE PAVEMENT, MINIMUM 3,500 PSI COMPRESSIVE STRENGTH, COMPLETE IN PLACE	SY	15076	\$54.00	\$814,104.00	\$65.00	\$979,940.00	\$54.00	\$814,104.00
2	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	10498	\$4.00	\$41,992.00	\$4.00	\$41,992.00	\$4.00	\$41,992.00
3	8" STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	17391	\$4.00	\$69,564.00	\$5.00	\$86,955.00	\$5.00	\$86,955.00
4	HYDRATED LIME FOR 8" STABILIZED SUB-GRADE (20 LBS/SY) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	180	\$200.00	\$36,000.00	\$200.00	\$36,000.00	\$229.00	\$41,220.00
5	FLY ASH FOR 8" STABILIZED SUB-GRADE (40 LBS/SY) AS REQUIRED BY SOIL CONDITIONS & APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	359	\$110.00	\$39,490.00	\$90.00	\$32,310.00	\$106.00	\$38,054.00
6	ROADWAY AND R.O.W EXCAVATION TO BE HAULED TO STOCKPILE, INCLUDES HAULING (MAX HAUL 1,500 FEET, OFF-ROAD), AND PLACEMENT WITH 8" LIFTS, COMPLETE IN PLACE	CY	10000	\$5.50	\$55,000.00	\$8.00	\$80,000.00	\$6.00	\$60,000.00
7	ROADWAY AND R.O.W EXCAVATION TO BE USED FOR MEDIAN EMBANKMENT, INCLUDES HAULING, PLACEMENT, AND COMPACTION TO 95% STANDARD PROCTOR DENSITY WITH 8" LIFTS, COMPLETE IN PLACE	CY	6000	\$4.50	\$27,000.00	\$6.50	\$39,000.00	\$6.00	\$36,000.00
8	6" PVC IRRIGATION SLEEVES, SCHEDULE 80, INCLUDES RISERS, PVC END CAPS, CEMENT STABILIZED SAND BACKFILL AND MARKERS, COMPLETE IN PLACE	LF	280	\$30.00	\$8,400.00	\$35.00	\$9,800.00	\$54.00	\$15,120.00
9	PERMANENT TRAFFIC CONTROL DEVICES, (INCLUDING TRAFFIC BUTTONS, PAVEMENT STRIPING) COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00	\$12,500.00	\$12,500.00	\$3,381.00	\$3,381.00
10	PERMANENT TRAFFIC CONTROL SIGNS, INCLUDING STOP SIGNS WITH STREET NAMES, DIRECTIONAL SIGNS WITH SUPPLEMENTS, SPEED LIMIT SIGNS, ETC., COMPLETE IN PLACE	EA	7	\$600.00	\$4,200.00	\$2,100.00	\$14,700.00	\$639.00	\$4,473.00
11	INSTALL TYPE III BARRICADE, ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	2	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$1,118.00	\$2,236.00
12	REMOVE AND DISPOSE TYPE III BARRICADE, ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	2	\$1.00	\$2.00	\$150.00	\$300.00	\$59.00	\$118.00
13	FINAL ADJUSTMENT OF MANHOLES, COMPLETE IN PLACE.	EA	27	\$300.00	\$8,100.00	\$1,000.00	\$27,000.00	\$350.00	\$9,450.00
14	FINAL GRADING OF ROADWAY & R.O.W., COMPLETE IN PLACE	LS	1	\$20,000.00	\$20,000.00	\$25,000.00	\$25,000.00	\$41,215.00	\$41,215.00

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 TO SERVE TWINWOOD BUSINESS PARK PHASES 4 & 5,
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 WALLER COUNTY, TEXAS
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ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL		5) PRINCIPAL SERVICES, LTD		i) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
15	PAVING HEADER, COMPLETE IN PLACE	LF	80	\$20.00	\$1,600.00	\$15.00	\$1,200.00	\$24.00	\$1,920.00
16	DEMUCK, FILL, AND COMPACT EXISTING SWALES WITHIN R.O.W. TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	CY	2250	\$5.00	\$11,250.00	\$7.00	\$15,750.00	\$4.00	\$9,000.00
17	CONNECT PROPOSED 7" REINFORCED CONCRETE PAVEMENT TO EXISTING REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	LF	80	\$50.00	\$4,000.00	\$125.00	\$10,000.00	\$24.00	\$1,920.00
18	PHASE 5 PAVING CONSTRUCTION STAKING BY THE CONTRACTOR, TO BE PERFORMED BY LJA SURVEYING (713-953-5200), COMPLETE IN PLACE	LS	1	\$6,100.00	\$6,100.00	\$6,100.00	\$6,100.00	\$6,100.00	\$6,100.00
ALTERNATE BID A - PAVING IMPROVEMENT ITEMS – TWINWOOD BUSINESS PARK PHASE					\$1,151,802.00		\$1,420,547.00		\$1,213,258.00
ALTERNATE BID B									
1	12' WIDE 6" THICK CRUSHED CONCRETE TO BE INSTALLED ON EXISTING DIRT ACCESS ROAD, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	3600	\$20.00	\$72,000.00	\$16.00	\$57,600.00	\$13.00	\$46,800.00
2	12' WIDE GEOTEXTILE FABRIC (TENSAR TRIAX TX140 OR APPROVED EQUAL) TO BE INSTALLED ON EXISTING DIRT ACCESS ROAD, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	3600	\$5.00	\$18,000.00	\$6.00	\$21,600.00	\$6.00	\$21,600.00
3	14' WIDE 6" THICK STABILIZED SUBGRADE (MANIPULATION) ON EXISTING DIRT ACCESS ROAD, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	4800	\$5.00	\$24,000.00	\$7.00	\$33,600.00	\$2.00	\$9,600.00
4	HYDRATED LIME FOR 6" THICK STABILIZED SUBGRADE (30 LBS/SY) ON EXISTING DIRT ACCESS ROAD, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	TON	72	\$200.00	\$14,400.00	\$200.00	\$14,400.00	\$229.00	\$16,488.00
ALTERNATE BID B SUBTOTAL:					\$128,400.00		\$127,200.00		\$94,488.00
BIDDING SUMMARY									
SUBTOTAL WATER ITEMS - TWINWOOD BUSINESS PARK PHASE 4					\$1,144,124.90		\$1,288,818.00		\$1,136,789.84
SUBTOTAL SANITARY ITEMS- TWINWOOD BUSINESS PARK PHASE 4					\$1,036,229.60		\$1,382,071.00		\$1,348,781.72
SUBTOTAL DRAINAGE IMPROVEMENT ITEMS- TWINWOOD BUSINESS PARK PHASE 4					\$4,060,292.30		\$4,599,971.97		\$5,402,572.96
SUBTOTAL SANITARY ITEMS- TWINWOOD BUSINESS PARK PHASE 5					\$388,934.10		\$470,874.50		\$440,944.72
SUBTOTAL DRAINAGE IMPROVEMENT ITEMS- TWINWOOD BUSINESS PARK PHASE 5					\$1,845,613.10		\$2,384,530.50		\$2,103,436.92
SUBTOTAL MISCELLANEOUS ITEMS					\$109,710.00		\$133,540.00		\$187,080.00
TOTAL AMOUNT BASE BID					\$8,584,904.00		\$10,259,805.97		\$10,619,606.16
ALTERNATE BID A - PAVING IMPROVEMENT ITEMS – TWINWOOD BUSINESS PARK PHASE 5									
TOTAL AMOUNT BASE BID					\$8,584,904.00		\$10,259,805.97		\$10,619,606.16
SUBTOTAL ALTERNATE BID A - PAVING IMPROVEMENT ITEMS – TWINWOOD BUSINESS PARK PHASE 5					\$1,151,802.00		\$1,420,547.00		\$1,213,258.00
TOTAL AMOUNT INCLUDING ALTERNATE BID A - PAVING IMPROVEMENT ITEMS – TWINWOOD BUSINESS PARK					\$9,736,706.00		\$11,680,352.97		\$11,832,864.16
ALTERNATE BID B									
TOTAL AMOUNT BASE BID					\$8,584,904.00		\$10,259,805.97		\$10,619,606.16
SUBTOTAL ALTERNATE BID B					\$128,400.00		\$127,200.00		\$94,488.00
TOTAL AMOUNT INCLUDING ALTERNATE BID B					\$8,713,304.00		\$10,387,005.97		\$10,714,094.16
TOTAL AMOUNT INCLUDING ALTERNATE BIDS A & B					\$9,865,106.00		\$11,807,552.97		\$11,927,352.16