

BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES
AND PAVING ALTERNATE TO SERVE AMIRA SECTION 22
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 542
CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
JULY 22, 2022
LJA ENGINEERING, INC.
A. OTTO
JULY 26, 2022
1406-0411 (9.2)

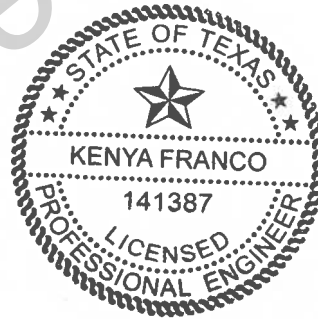
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BIDDER'S NAME	TOTAL AMOUNT BID	BID INCLUDING ALTERNATE ITEMS PAVING IMPROVEMENTS
1) FELLERS AND CLARK LLC	\$1,050,000.00	\$2,018,000.00
2) PRINCIPAL SERVICES, LTD	\$1,082,444.22	\$2,117,697.22
3) HARRIS CONSTRUCTION COMPANY, LLC	\$1,141,949.05	\$1,967,838.90
4) R CONSTRUCTION CIVIL, LLC	\$1,180,123.40	\$2,114,890.40
5) BAY UTILITIES, LLC	\$1,180,229.40	\$2,172,648.90
6) TEXASITE, LLC	\$1,349,531.50	NO BID
7) TRIPLE B SERVICES, LLP	\$1,489,384.50	\$2,433,888.65

CALENDAR DAYS 45/55

Kenya Franco

I, Kenya Franco, PE, hereby certify these bid tabulations to be true and correct.



8/1/2022

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ITEM	DESCRIPTION	UNIT	QTY	1) FELLERS AND CLARK LLC		2) PRINCIPAL SERVICES, LTD		3) HARRIS CONSTRUCTION COMPANY, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
AMIRA SEC 22 WATER ITEMS									
1	8" PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, COMPLETE IN PLACE	LF	2603	\$44.60	\$116,093.80	\$41.00	\$106,723.00	\$46.35	\$120,649.05
2	8" RESTRAINED JOINT PVC WATER PIPE, AWWA, C-900, DR 18, ALL DEPTHS, INCLUDES ALL FITTINGS, VALVES AND ALL RESTRAINED JOINTS FOR PIPE JOINTS, COMPLETE IN PLACE	LF	361	\$69.70	\$25,161.70	\$74.00	\$26,714.00	\$70.45	\$25,432.45
3	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	7	\$6,025.00	\$42,175.00	\$5,000.00	\$35,000.00	\$6,875.00	\$48,125.00
4	REMOVAL OF EXISTING PLUG & CLAMP, (ALL SIZES), 2" BLOW-OFF VALVE & BOX AND CONNECT PROPOSED 8" WATER LINE TO EXISTING WATER LINE, ADDITIONALLY INCLUDES ALL NECESSARY ADAPTERS AND CONNECTORS, AND DISINFECTION OF EXISTING WATER LINE AS APPLICABLE, COMPLETE IN PLACE	EA	3	\$170.00	\$510.00	\$800.00	\$2,400.00	\$1,075.00	\$3,225.00
5	REMOVE & DISPOSE OF EXISTING 12" WATERLINE, AS NEEDED FOR CONSTRUCTION OF PROPOSED UTILITIES, SHOWN ON SHEET 9 OF THE CONSTRUCTION PLANS, TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	33	\$46.00	\$1,518.00	\$10.00	\$330.00	\$14.00	\$462.00
6	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2964	\$0.10	\$296.40	\$0.10	\$296.40	\$1.00	\$2,964.00
AMIRA SEC 22 WATER ITEMS SUBTOTAL:					\$185,754.90		\$171,463.40		\$200,857.50
AMIRA SEC 22 SANITARY SEWER ITEMS									
1	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, (ALL DEPTHS), INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, STACK, DROP STRUCTURES AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	19	\$1,225.00	\$23,275.00	\$2,500.00	\$47,500.00	\$885.00	\$16,815.00
2	"FAR SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, (ALL DEPTHS), INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, STACK, DROP STRUCTURES AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	28	\$3,990.00	\$111,720.00	\$4,000.00	\$112,000.00	\$4,490.00	\$125,720.00
3	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 8 - 12 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	2268	\$61.30	\$139,028.40	\$41.00	\$92,988.00	\$38.25	\$86,751.00
4	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 12 - 16 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	289	\$63.25	\$18,279.25	\$45.00	\$13,005.00	\$40.45	\$11,690.05
5	STANDARD SANITARY SEWER MANHOLE (0' - 8' DEPTH), COMPLETE IN PLACE	EA	17	\$2,415.00	\$41,055.00	\$4,000.00	\$68,000.00	\$2,725.00	\$46,325.00
6	EXTRA DEPTH ON SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	38	\$132.25	\$5,025.50	\$200.00	\$7,600.00	\$315.00	\$11,970.00
7	ADDITIONAL COST FOR WATER AND SANITARY SEWER CROSSINGS, ALL DEPTHS, INCLUDES UPGRADE TO 18' SECTION FOR RESTRAINED JOINT AWWA C900 DR 18 PIPE FOR BOTH WATER AND SANITARY SEWER LINES WHERE APPLICABLE AND RESTRAINED JOINT FITTINGS, COMPLETE IN PLACE	EA	1	\$545.00	\$545.00	\$1,000.00	\$1,000.00	\$7,675.00	\$7,675.00
8	CONNECT PROPOSED 8" SANITARY SEWER TO EXISTING SANITARY SEWER MANHOLE, INCLUDES CORING OF MANHOLE, SEALING, ADJUSTMENTS, TEMPORARY PLUGS, REMOVAL, DISPOSAL, AND REPLACEMENT OF EXISTING CONCRETE SIDEWALKS, RAMPS, ALL OTHER APPURTENANCES AND BYPASS PUMPING AS NECESSARY, COMPLETE IN PLACE	EA	1	\$2,130.00	\$2,130.00	\$200.00	\$200.00	\$345.00	\$345.00
9	REMOVE EXISTING SAN. PLUG AND CONNECT PROPOSED 8" SAN. SEWER TO EXIST. 8" SAN. SEWER, INCLUDES ALL FITTINGS AND VALVES, COMPLETE IN PLACE	EA	1	\$400.00	\$400.00	\$200.00	\$200.00	\$225.00	\$225.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	4635	\$0.10	\$463.50	\$0.10	\$463.50	\$2.00	\$9,270.00
AMIRA SEC 22 SANITARY SEWER ITEMS SUBTOTAL:					\$341,921.65		\$342,956.50		\$316,786.05
AMIRA SEC 22 STORM SEWER ITEMS									
1	12" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	146	\$56.70	\$8,278.20	\$55.00	\$8,030.00	\$50.65	\$7,394.90
2	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	2315	\$86.55	\$200,363.25	\$86.00	\$199,090.00	\$94.90	\$219,693.50
3	30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	74	\$102.50	\$7,585.00	\$106.00	\$7,844.00	\$112.80	\$8,347.20
4	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	610	\$141.80	\$86,498.00	\$156.00	\$95,160.00	\$155.00	\$94,550.00
5	STAGE I – STANDARD 5' REINFORCED CONCRETE PRECAST INLET ("C") ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	26	\$1,130.00	\$29,380.00	\$1,300.00	\$33,800.00	\$1,875.00	\$48,750.00
6	STAGE II – STANDARD 5' REINFORCED CONCRETE PRECAST OR REINFORCED CONCRETE CAST-IN-PLACE (4,000 PSI) INLET ("C"), COMPLETE IN PLACE	EA	26	\$2,500.00	\$65,000.00	\$2,200.00	\$57,200.00	\$2,400.00	\$62,400.00
7	TYPE "A" PRECAST OR CAST-IN-PLACE INLET, INCLUDES ADJUSTMENT TO FINAL GRADE AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,330.00	\$2,330.00	\$1,900.00	\$1,900.00	\$2,445.00	\$2,445.00
8	TYPE "E" PRECAST OR CAST-IN-PLACE INLET, INCLUDES ADJUSTMENT TO FINAL GRADE AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,420.00	\$3,420.00	\$2,700.00	\$2,700.00	\$3,400.00	\$3,400.00
9	TYPE "C" PRECAST OR CAST-IN-PLACE MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	24	\$2,185.00	\$52,440.00	\$2,800.00	\$67,200.00	\$3,925.00	\$94,200.00
10	DRAINAGE SWALES, "V" BOTTOM, 3:1 SIDE SLOPES, DEPTH VARIES, COMPLETE IN PLACE	LF	1742	\$5.20	\$9,058.40	\$2.00	\$3,484.00	\$3.45	\$6,009.90
11	CONNECT PROPOSED 24" RCP STORM SEWER TO EXISTING STORM SEWER MANHOLE, INCLUDES TEMPORARY PLUGS, PUMPING AS NECESSARY, BREAKING INTO MANHOLE, GROUTING, REMOVAL, DISPOSAL, AND REPLACEMENT OF EXISTING CONCRETE SIDEWALKS, RAMPS AND ALL OTHER APPURTENANCES, COMPLETE IN PLACE	EA	1	\$1,670.00	\$1,670.00	\$500.00	\$500.00	\$925.00	\$925.00
12	CONNECT PROPOSED 36" RCP STORM SEWER TO EXISTING STORM SEWER MANHOLE, INCLUDES TEMPORARY PLUGS, PUMPING AS NECESSARY, BREAKING INTO MANHOLE, GROUTING, REMOVAL, DISPOSAL, AND REPLACEMENT OF EXISTING CONCRETE SIDEWALKS, RAMPS AND ALL OTHER APPURTENANCES, COMPLETE IN PLACE	EA	1	\$2,415.00	\$2,415.00	\$500.00	\$500.00	\$995.00	\$995.00
13	REMOVE AND DISPOSE OF EXISTING TYPE 'E' MANHOLE TOP AND REPLACE WITH PROPOSED TYPE 'C' MANHOLE TOP, COMPLETE IN PLACE	EA	2	\$1,120.00	\$2,240.00	\$2,000.00	\$4,000.00	\$850.00	\$1,700.00
14	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3145	\$0.10	\$314.50	\$0.10	\$314.50	\$1.00	\$3,145.00
AMIRA SEC 22 STORM SEWER ITEMS SUBTOTAL:					\$470,992.35		\$481,722.50		\$553,955.50
MISCELLANEOUS ITEMS									
1	FURNISH PERFORMANCE, PAYMENT AND MAINTENANCE BONDS PER CONTRACT, DOCUMENTS, COMPLETE IN PLACE	LS	1	\$16,390.00	\$16,390.00	\$61,941.82	\$61,941.82	\$17,500.00	\$17,500.00
2	EXTRA REINFORCED FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$1.00	\$100.00	\$5.00	\$500.00
3	EXTRA FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$1.00	\$100.00	\$4.00	\$400.00

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4	EXTRA BURLAP BAG BARRIER ON INLET, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$10.00	\$10.00	\$10.00	\$10.00	\$25.00	\$25.00
5	EXTRA SILT FENCE INLET PROTECTION BARRIER, COMPLETE IN PLACE	EA	1	\$50.00	\$50.00	\$50.00	\$50.00	\$100.00	\$100.00
6	EXTRA HYDRO-MULCH SEEDING, COMPLETE IN PLACE	AC	1	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$3,200.00	\$3,200.00
7	EXTRA WATER LINE FITTINGS, COMPLETE IN PLACE	TON	0.1	\$1,000.00	\$100.00	\$1,000.00	\$100.00	\$11,000.00	\$1,100.00
8	EXTRA CEMENT STABILIZED SAND BACKFILL, (2.0 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF ENGINEER) COMPLETE IN PLACE	CY	10	\$50.00	\$500.00	\$15.00	\$150.00	\$75.00	\$750.00
9	EXTRA COST OF SANITARY SEWER WET SAND CONSTRUCTION, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$5.00	\$2,500.00	\$5.00	\$2,500.00	\$10.00	\$5,000.00
10	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$5.00	\$500.00	\$5.00	\$500.00	\$15.00	\$1,500.00
11	EXTRA COST OF WET SAND CONSTRUCTION UNDER MANHOLE, ALL DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$50.00	\$50.00	\$50.00	\$50.00	\$500.00	\$500.00
12	DEWATERING FOR UTILITY LINES, ALL LINES SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$40.00	\$20,000.00
13	EXTRA BROADCAST SEEDING, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	1	\$450.00	\$450.00	\$1,000.00	\$1,000.00	\$950.00	\$950.00
14	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$150.00	\$150.00	\$150.00	\$150.00	\$150.00	\$150.00
15	EXTRA 8" AWWA GATE VALVE AND BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$800.00	\$800.00	\$800.00	\$800.00	\$1,600.00	\$1,600.00
16	STABILIZED CONSTRUCTION EXIT, INCLUDING INSTALLATION, MAINTENANCE AND REMOVAL, COMPLETE IN PLACE	EA	1	\$1,791.10	\$1,791.10	\$500.00	\$500.00	\$2,200.00	\$2,200.00
17	UTILITY SPOILS (ESTIMATED QUANTITY OF 3,630 CUBIC YARDS), TO BE PLACED ON LOTS, STRIPPING, STOCK PILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY, AND REAPPLICATION OF STRIPPINGS IN ACCORDANCE WITH THE GRADING PLAN SHOWN ON SHEET 9 OF THE CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$12,075.00	\$12,075.00	\$4,000.00	\$4,000.00	\$8,525.00	\$8,525.00
18	ADJUST EXISTING GATE VALVE TO FINISHED GRADE AS REQUIRED (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$85.00	\$85.00	\$100.00	\$100.00	\$150.00	\$150.00
19	STORMWATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$2,010.00	\$2,010.00	\$500.00	\$500.00	\$1,400.00	\$1,400.00
20	HYDROMULCH SEEDING OF RIGHT-OF-WAY INCLUDES WATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1.5	\$1,780.00	\$2,670.00	\$1,500.00	\$2,250.00	\$3,200.00	\$4,800.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$51,331.10		\$86,301.82		\$70,350.00
ALTERNATE ITEMS PAVING IMPROVEMENTS									
1	ROADWAY EXCAVATION, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	4250	\$9.77	\$41,522.50	\$10.00	\$42,500.00	\$4.00	\$17,000.00
2	LOT EXCAVATION, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	6995	\$7.35	\$51,413.25	\$10.00	\$69,950.00	\$3.75	\$26,231.25

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3	FINAL LOT AND RESERVE GRADING OF AMIRA SECTION 22, INCLUDING STRIPPING AND PROOFROLLING, HAULING, PLACEMENT AND COMPACTION OF EXCESS EXCAVATED MATERIALS, AND REPLACEMENT OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$25,200.00	\$25,200.00	\$25,000.00	\$25,000.00	\$24,250.00	\$24,250.00
4	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	10576	\$60.90	\$644,078.40	\$66.00	\$698,016.00	\$56.00	\$592,256.00
5	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	1376	\$5.80	\$7,980.80	\$5.00	\$6,880.00	\$4.10	\$5,641.60
6	4"X12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	4478	\$5.80	\$25,972.40	\$5.00	\$22,390.00	\$4.10	\$18,359.80
7	6" LIME-FLY ASH STABILIZED SUB-GRADE (MANIPULATION), COMPLETE IN PLACE	LF	11226	\$5.25	\$58,936.50	\$7.00	\$78,582.00	\$3.20	\$35,923.20
8	2% HYDRATED LIME FOR STABILIZED SUB-GRADE (16 LBS./SY BY WEIGHT) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	90	\$370.00	\$33,300.00	\$240.00	\$21,600.00	\$350.00	\$31,500.00
9	8% FLY ASH FOR STABILIZED SUB-GRADE, (38 LBS./SY BY WEIGHT) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	213	\$147.00	\$31,311.00	\$100.00	\$21,300.00	\$160.00	\$34,080.00
10	DOUBLE REFLECTORIZED BLUE FIRE HYDRANT BUTTONS, COMPLETE IN PLACE	EA	7	\$21.00	\$147.00	\$10.00	\$70.00	\$17.00	\$119.00
11	PERMANENT TRAFFIC CONTROL DEVICES (INCLUDING ALL TRAFFIC BUTTONS, PAVEMENT STRIPING, DIRECTIONAL ARROWS, STREET SIGNS, TRAFFIC SIGNS, STOP BARS, CROSS WALKS, AND TRAFFIC WARNING SIGNS PER CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$8,400.00	\$8,400.00	\$8,500.00	\$8,500.00	\$7,500.00	\$7,500.00
12	REMOVE AND DISPOSE EXISTING TYPE III BARRICADE, COMPLETE IN PLACE	EA	3	\$260.00	\$780.00	\$100.00	\$300.00	\$200.00	\$600.00
13	EXTRA REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.75	\$175.00	\$2.15	\$215.00	\$5.00	\$500.00
14	WHEELCHAIR RAMPS PER CONSTRUCTION PLANS, COMPLETE IN PLACE	EA	4	\$2,625.00	\$10,500.00	\$2,000.00	\$8,000.00	\$1,450.00	\$5,800.00
15	CONNECTION OF PROPOSED 6" CONCRETE PAVEMENT TO EXISTING BELMONT STAKES WAY, COMPLETE IN PLACE	EA	1	\$2,100.00	\$2,100.00	\$1,500.00	\$1,500.00	\$900.00	\$900.00
16	CONNECTION OF PROPOSED 6" CONCRETE PAVEMENT TO EXISTING CALUMET FARM LANE, COMPLETE IN PLACE	EA	1	\$2,100.00	\$2,100.00	\$1,500.00	\$1,500.00	\$900.00	\$900.00
17	CONNECTION OF PROPOSED 6" CONCRETE PAVEMENT TO EXISTING DUBLIN BAY BOULEVARD, COMPLETE IN PLACE	EA	1	\$2,100.00	\$2,100.00	\$1,500.00	\$1,500.00	\$1,250.00	\$1,250.00
18	PAVING HEADER FOR FUTURE DRAFHORSE DRIVE, COMPLETE IN PLACE	LF	28	\$26.25	\$735.00	\$25.00	\$700.00	\$18.00	\$504.00
19	TYPE III BARRICADES, COMPLETE IN PLACE	EA	1	\$1,890.00	\$1,890.00	\$1,000.00	\$1,000.00	\$1,275.00	\$1,275.00
20	TEMPORARY TRAFFIC CONTROL, COMPLETE IN PLACE	LS	1	\$1,558.15	\$1,558.15	\$7,500.00	\$7,500.00	\$3,500.00	\$3,500.00
21	FURNISH AND INSTALL EXTRA CLASS "A" CONCRETE (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	50	\$250.00	\$12,500.00	\$250.00	\$12,500.00	\$250.00	\$12,500.00
22	FURNISH AND INSTALL EXTRA REINFORCING STEEL (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LB	5000	\$0.50	\$2,500.00	\$0.50	\$2,500.00	\$0.50	\$2,500.00
23	FURNISH AND INSTALL EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$25.00	\$2,500.00	\$25.00	\$2,500.00	\$25.00	\$2,500.00
24	EXTRA SIGN, COMPLETE IN PLACE	EA	1	\$300.00	\$300.00	\$750.00	\$750.00	\$300.00	\$300.00
ALTERNATE ITEMS PAVING IMPROVEMENTS SUBTOTAL:					\$968,000.00		\$1,035,253.00		\$825,889.85

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
 AND PAVING ALTERNATE TO SERVE AMIRA SECTION 22
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 542
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JULY 22, 2022
 LJA ENGINEERING, INC.
 A. OTTO
 JULY 26, 2022
 1406-0411 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) FELLERS AND CLARK LLC		2) PRINCIPAL SERVICES, LTD		3) HARRIS CONSTRUCTION COMPANY, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<u>BIDDING SUMMARY</u>									
	SUBTOTAL AMIRA SEC 22 WATER ITEMS				\$185,754.90		\$171,463.40		\$200,857.50
	SUBTOTAL AMIRA SEC 22 SANITARY SEWER ITEMS				\$341,921.65		\$342,956.50		\$316,786.05
	SUBTOTAL AMIRA SEC 22 STORM SEWER ITEMS				\$470,992.35		\$481,722.50		\$553,955.50
	SUBTOTAL MISCELLANEOUS ITEMS				\$51,331.10		\$86,301.82		\$70,350.00
	TOTAL AMOUNT BASE BID				\$1,050,000.00		\$1,082,444.22		\$1,141,949.05
<u>ALTERNATE ITEMS PAVING IMPROVEMENTS</u>									
	TOTAL AMOUNT BASE BID				\$1,050,000.00		\$1,082,444.22		\$1,141,949.05
	SUBTOTAL ALTERNATE ITEMS PAVING IMPROVEMENTS				\$968,000.00		\$1,035,253.00		\$825,889.85
	TOTAL AMOUNT INCLUDING ALTERNATE ITEMS PAVING IMPROVEMENTS				\$2,018,000.00		\$2,117,697.22		\$1,967,838.90

LJA Engineering, Inc.

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CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES
 AND PAVING ALTERNATE TO SERVE AMIRA SECTION 22
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 542
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JULY 22, 2022
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ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL, LLC		5) BAY UTILITIES, LLC		6) TEXASITE, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
AMIRA SEC 22 WATER ITEMS									
1	8" PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, COMPLETE IN PLACE	LF	2603	\$47.00	\$122,341.00	\$50.00	\$130,150.00	\$49.00	\$127,547.00
2	8" RESTRAINED JOINT PVC WATER PIPE, AWWA, C-900, DR 18, ALL DEPTHS, INCLUDES ALL FITTINGS, VALVES AND ALL RESTRAINED JOINTS FOR PIPE JOINTS, COMPLETE IN PLACE	LF	361	\$85.00	\$30,685.00	\$71.00	\$25,631.00	\$48.00	\$17,328.00
3	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	7	\$6,800.00	\$47,600.00	\$7,000.00	\$49,000.00	\$43,585.00	\$305,095.00
4	REMOVAL OF EXISTING PLUG & CLAMP, (ALL SIZES), 2" BLOW-OFF VALVE & BOX AND CONNECT PROPOSED 8" WATER LINE TO EXISTING WATER LINE, ADDITIONALLY INCLUDES ALL NECESSARY ADAPTERS AND CONNECTORS, AND DISINFECTION OF EXISTING WATER LINE AS APPLICABLE, COMPLETE IN PLACE	EA	3	\$700.00	\$2,100.00	\$2,300.00	\$6,900.00	\$870.00	\$2,610.00
5	REMOVE & DISPOSE OF EXISTING 12" WATERLINE, AS NEEDED FOR CONSTRUCTION OF PROPOSED UTILITIES, SHOWN ON SHEET 9 OF THE CONSTRUCTION PLANS, TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	33	\$25.00	\$825.00	\$34.00	\$1,122.00	\$135.00	\$4,455.00
6	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2964	\$0.10	\$296.40	\$0.10	\$296.40	\$1.00	\$2,964.00
AMIRA SEC 22 WATER ITEMS SUBTOTAL:					\$203,847.40		\$213,099.40		\$459,999.00
AMIRA SEC 22 SANITARY SEWER ITEMS									
1	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, (ALL DEPTHS), INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, STACK, DROP STRUCTURES AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	19	\$2,100.00	\$39,900.00	\$1,400.00	\$26,600.00	\$1,665.00	\$31,635.00
2	"FAR SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, (ALL DEPTHS), INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, STACK, DROP STRUCTURES AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	28	\$4,200.00	\$117,600.00	\$4,000.00	\$112,000.00	\$3,960.00	\$110,880.00
3	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 8 - 12 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	2268	\$48.00	\$108,864.00	\$57.00	\$129,276.00	\$42.00	\$95,256.00
4	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 12 - 16 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	289	\$50.00	\$14,450.00	\$58.00	\$16,762.00	\$45.00	\$13,005.00
5	STANDARD SANITARY SEWER MANHOLE (0' - 8' DEPTH), COMPLETE IN PLACE	EA	17	\$3,400.00	\$57,800.00	\$3,000.00	\$51,000.00	\$3,123.00	\$53,091.00
6	EXTRA DEPTH ON SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	38	\$200.00	\$7,600.00	\$240.00	\$9,120.00	\$202.00	\$7,676.00
7	ADDITIONAL COST FOR WATER AND SANITARY SEWER CROSSINGS, ALL DEPTHS, INCLUDES UPGRADE TO 18" SECTION FOR RESTRAINED JOINT AWWA C900 DR 18 PIPE FOR BOTH WATER AND SANITARY SEWER LINES WHERE APPLICABLE AND RESTRAINED JOINT FITTINGS, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00	\$5,000.00	\$5,000.00	\$1,165.00	\$1,165.00
8	CONNECT PROPOSED 8" SANITARY SEWER TO EXISTING SANITARY SEWER MANHOLE, INCLUDES CORING OF MANHOLE, SEALING, ADJUSTMENTS, TEMPORARY PLUGS, REMOVAL, DISPOSAL, AND REPLACEMENT OF EXISTING CONCRETE SIDEWALKS, RAMPS, ALL OTHER APPURTENANCES AND BYPASS PUMPING AS NECESSARY, COMPLETE IN PLACE	EA	1	\$1,800.00	\$1,800.00	\$4,000.00	\$4,000.00	\$1,165.00	\$1,165.00
9	REMOVE EXISTING SAN. PLUG AND CONNECT PROPOSED 8" SAN. SEWER TO EXIST. 8" SAN. SEWER, INCLUDES ALL FITTINGS AND VALVES, COMPLETE IN PLACE	EA	1	\$170.00	\$170.00	\$1,100.00	\$1,100.00	\$410.00	\$410.00

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 AND PAVING ALTERNATE TO SERVE AMIRA SECTION 22
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 542
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JULY 22, 2022
 LJA ENGINEERING, INC.
 A. OTTO
 JULY 26, 2022
 1406-0411 (9.2)

BID OPENING DATE:
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ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL, LLC		5) BAY UTILITIES, LLC		6) TEXASITE, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	4635	\$0.10	\$463.50	\$0.50	\$2,317.50	\$1.00	\$4,635.00
AMIRA SEC 22 SANITARY SEWER ITEMS SUBTOTAL:					\$352,147.50	\$357,175.50	\$318,918.00		
AMIRA SEC 22 STORM SEWER ITEMS									
1	12" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	146	\$63.00	\$9,198.00	\$48.00	\$7,008.00	\$43.00	\$6,278.00
2	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	2315	\$90.00	\$208,350.00	\$84.00	\$194,460.00	\$85.00	\$196,775.00
3	30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	74	\$120.00	\$8,880.00	\$106.00	\$7,844.00	\$110.00	\$8,140.00
4	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	610	\$160.00	\$97,600.00	\$148.00	\$90,280.00	\$155.00	\$94,550.00
5	STAGE I – STANDARD 5' REINFORCED CONCRETE PRECAST INLET ("C") ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	26	\$1,500.00	\$39,000.00	\$3,000.00	\$78,000.00	\$3,065.00	\$79,690.00
6	STAGE II – STANDARD 5' REINFORCED CONCRETE PRECAST OR REINFORCED CONCRETE CAST-IN-PLACE (4,000 PSI) INLET ("C"), COMPLETE IN PLACE	EA	26	\$3,300.00	\$85,800.00	\$1,400.00	\$36,400.00	\$1,225.00	\$31,850.00
7	TYPE "A" PRECAST OR CAST-IN-PLACE INLET, INCLUDES ADJUSTMENT TO FINAL GRADE AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$3,100.00	\$3,100.00	\$2,205.00	\$2,205.00
8	TYPE "E" PRECAST OR CAST-IN-PLACE INLET, INCLUDES ADJUSTMENT TO FINAL GRADE AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,300.00	\$3,300.00	\$4,200.00	\$4,200.00	\$3,065.00	\$3,065.00
9	TYPE "C" PRECAST OR CAST-IN-PLACE MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	24	\$4,000.00	\$96,000.00	\$3,500.00	\$84,000.00	\$3,305.00	\$79,320.00
10	DRAINAGE SWALES, "V" BOTTOM, 3:1 SIDE SLOPES, DEPTH VARIES, COMPLETE IN PLACE	LF	1742	\$3.00	\$5,226.00	\$7.00	\$12,194.00	\$7.00	\$12,194.00
11	CONNECT PROPOSED 24" RCP STORM SEWER TO EXISTING STORM SEWER MANHOLE, INCLUDES TEMPORARY PLUGS, PUMPING AS NECESSARY, BREAKING INTO MANHOLE, GROUTING, REMOVAL, DISPOSAL, AND REPLACEMENT OF EXISTING CONCRETE SIDEWALKS, RAMPS AND ALL OTHER APPURTENANCES, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$2,000.00	\$2,000.00	\$475.00	\$475.00
12	CONNECT PROPOSED 36" RCP STORM SEWER TO EXISTING STORM SEWER MANHOLE, INCLUDES TEMPORARY PLUGS, PUMPING AS NECESSARY, BREAKING INTO MANHOLE, GROUTING, REMOVAL, DISPOSAL, AND REPLACEMENT OF EXISTING CONCRETE SIDEWALKS, RAMPS AND ALL OTHER APPURTENANCES, COMPLETE IN PLACE	EA	1	\$1,400.00	\$1,400.00	\$2,800.00	\$2,800.00	\$475.00	\$475.00
13	REMOVE AND DISPOSE OF EXISTING TYPE 'E' MANHOLE TOP AND REPLACE WITH PROPOSED TYPE 'C' MANHOLE TOP, COMPLETE IN PLACE	EA	2	\$5,100.00	\$10,200.00	\$4,000.00	\$8,000.00	\$965.00	\$1,930.00
14	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3145	\$0.10	\$314.50	\$0.10	\$314.50	\$1.00	\$3,145.00
AMIRA SEC 22 STORM SEWER ITEMS SUBTOTAL:					\$568,268.50	\$530,600.50	\$520,092.00		
MISCELLANEOUS ITEMS									
1	FURNISH PERFORMANCE, PAYMENT AND MAINTENANCE BONDS PER CONTRACT, DOCUMENTS, COMPLETE IN PLACE	LS	1	\$25,000.00	\$25,000.00	\$27,000.00	\$27,000.00	\$20,825.00	\$20,825.00
2	EXTRA REINFORCED FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$2.50	\$250.00	\$1.00	\$100.00
3	EXTRA FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$2.45	\$245.00	\$1.00	\$100.00

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 AND PAVING ALTERNATE TO SERVE AMIRA SECTION 22
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 542
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JULY 22, 2022
 LJA ENGINEERING, INC.
 A. OTTO
 JULY 26, 2022
 1406-0411 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL, LLC		5) BAY UTILITIES, LLC		6) TEXASITE, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	EXTRA BURLAP BAG BARRIER ON INLET, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$10.00	\$10.00	\$23.00	\$23.00	\$10.00	\$10.00
5	EXTRA SILT FENCE INLET PROTECTION BARRIER, COMPLETE IN PLACE	EA	1	\$50.00	\$50.00	\$116.00	\$116.00	\$50.00	\$50.00
6	EXTRA HYDRO-MULCH SEEDING, COMPLETE IN PLACE	AC	1	\$1,000.00	\$1,000.00	\$2,400.00	\$2,400.00	\$1,000.00	\$1,000.00
7	EXTRA WATER LINE FITTINGS, COMPLETE IN PLACE	TON	0.1	\$1,000.00	\$100.00	\$7,000.00	\$700.00	\$1,000.00	\$100.00
8	EXTRA CEMENT STABILIZED SAND BACKFILL, (2.0 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF ENGINEER) COMPLETE IN PLACE	CY	10	\$15.00	\$150.00	\$47.00	\$470.00	\$15.00	\$150.00
9	EXTRA COST OF SANITARY SEWER WET SAND CONSTRUCTION, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$5.00	\$2,500.00	\$5.00	\$2,500.00	\$5.00	\$2,500.00
10	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$5.00	\$500.00	\$5.00	\$500.00	\$5.00	\$500.00
11	EXTRA COST OF WET SAND CONSTRUCTION UNDER MANHOLE, ALL DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$50.00	\$50.00	\$400.00	\$400.00	\$50.00	\$50.00
12	DEWATERING FOR UTILITY LINES, ALL LINES SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$25.00	\$12,500.00	\$20.00	\$10,000.00
13	EXTRA BROADCAST SEEDING, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	1	\$450.00	\$450.00	\$1,200.00	\$1,200.00	\$450.00	\$450.00
14	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$150.00	\$150.00	\$200.00	\$200.00	\$150.00	\$150.00
15	EXTRA 8" AWWA GATE VALVE AND BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$800.00	\$800.00	\$1,900.00	\$1,900.00	\$800.00	\$800.00
16	STABILIZED CONSTRUCTION EXIT, INCLUDING INSTALLATION, MAINTENANCE AND REMOVAL, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$3,200.00	\$3,200.00	\$270.00	\$270.00
17	UTILITY SPOILS (ESTIMATED QUANTITY OF 3,630 CUBIC YARDS), TO BE PLACED ON LOTS, STRIPPING, STOCK PILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY, AND REAPPLICATION OF STRIPPINGS IN ACCORDANCE WITH THE GRADING PLAN SHOWN ON SHEET 9 OF THE CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00	\$9,185.00	\$9,185.00
18	ADJUST EXISTING GATE VALVE TO FINISHED GRADE AS REQUIRED (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$150.00	\$150.00	\$1,000.00	\$1,000.00	\$60.00	\$60.00
19	STORMWATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$1,470.00	\$1,470.00
20	HYDROMULCH SEEDING OF RIGHT-OF-WAY INCLUDES WATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1.5	\$1,500.00	\$2,250.00	\$2,500.00	\$3,750.00	\$1,835.00	\$2,752.50
MISCELLANEOUS ITEMS SUBTOTAL:					\$55,860.00		\$79,354.00		\$50,522.50
ALTERNATE ITEMS PAVING IMPROVEMENTS									
1	ROADWAY EXCAVATION, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	4250	\$6.00	\$25,500.00	\$8.50	\$36,125.00	NO BID	NO BID
2	LOT EXCAVATION, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	6995	\$6.00	\$41,970.00	\$8.50	\$59,457.50	NO BID	NO BID

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ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL, LLC		5) BAY UTILITIES, LLC		6) TEXASITE, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
3	FINAL LOT AND RESERVE GRADING OF AMIRA SECTION 22, INCLUDING STRIPPING AND PROOFROLLING, HAULING, PLACEMENT AND COMPACTION OF EXCESS EXCAVATED MATERIALS, AND REPLACEMENT OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$27,000.00	\$27,000.00	\$16,000.00	\$16,000.00	NO BID	NO BID
4	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	10576	\$62.00	\$655,712.00	\$65.30	\$690,612.80	NO BID	NO BID
5	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	1376	\$5.00	\$6,880.00	\$4.20	\$5,779.20	NO BID	NO BID
6	4"X12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	4478	\$5.00	\$22,390.00	\$4.20	\$18,807.60	NO BID	NO BID
7	6" LIME-FLY ASH STABILIZED SUB-GRADE (MANIPULATION), COMPLETE IN PLACE	LF	11226	\$5.00	\$56,130.00	\$4.40	\$49,394.40	NO BID	NO BID
8	2% HYDRATED LIME FOR STABILIZED SUB-GRADE (16 LBS./SY BY WEIGHT) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	90	\$280.00	\$25,200.00	\$330.00	\$29,700.00	NO BID	NO BID
9	8% FLY ASH FOR STABILIZED SUB-GRADE, (38 LBS./SY BY WEIGHT) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	213	\$140.00	\$29,820.00	\$145.00	\$30,885.00	NO BID	NO BID
10	DOUBLE REFLECTORIZED BLUE FIRE HYDRANT BUTTONS, COMPLETE IN PLACE	EA	7	\$18.00	\$126.00	\$220.00	\$1,540.00	NO BID	NO BID
11	PERMANENT TRAFFIC CONTROL DEVICES (INCLUDING ALL TRAFFIC BUTTONS, PAVEMENT STRIPING, DIRECTIONAL ARROWS, STREET SIGNS, TRAFFIC SIGNS, STOP BARS, CROSS WALKS, AND TRAFFIC WARNING SIGNS PER CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$7,500.00	\$7,500.00	\$11,000.00	\$11,000.00	NO BID	NO BID
12	REMOVE AND DISPOSE EXISTING TYPE III BARRICADE, COMPLETE IN PLACE	EA	3	\$1.00	\$3.00	\$110.00	\$330.00	NO BID	NO BID
13	EXTRA REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$2.20	\$220.00	NO BID	NO BID
14	WHEELCHAIR RAMPS PER CONSTRUCTION PLANS, COMPLETE IN PLACE	EA	4	\$2,600.00	\$10,400.00	\$2,100.00	\$8,400.00	NO BID	NO BID
15	CONNECTION OF PROPOSED 6" CONCRETE PAVEMENT TO EXISTING BELMONT STAKES WAY, COMPLETE IN PLACE	EA	1	\$1,600.00	\$1,600.00	\$1,300.00	\$1,300.00	NO BID	NO BID
16	CONNECTION OF PROPOSED 6" CONCRETE PAVEMENT TO EXISTING CALUMET FARM LANE, COMPLETE IN PLACE	EA	1	\$1,600.00	\$1,600.00	\$1,300.00	\$1,300.00	NO BID	NO BID
17	CONNECTION OF PROPOSED 6" CONCRETE PAVEMENT TO EXISTING DUBLIN BAY BOULEVARD, COMPLETE IN PLACE	EA	1	\$2,300.00	\$2,300.00	\$1,300.00	\$1,300.00	NO BID	NO BID
18	PAVING HEADER FOR FUTURE DRAFHORSE DRIVE, COMPLETE IN PLACE	LF	28	\$27.00	\$756.00	\$56.00	\$1,568.00	NO BID	NO BID
19	TYPE III BARRICADES, COMPLETE IN PLACE	EA	1	\$1,260.00	\$1,260.00	\$1,600.00	\$1,600.00	NO BID	NO BID
20	TEMPORARY TRAFFIC CONTROL, COMPLETE IN PLACE	LS	1	\$660.00	\$660.00	\$2,600.00	\$2,600.00	NO BID	NO BID
21	FURNISH AND INSTALL EXTRA CLASS "A" CONCRETE (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	50	\$250.00	\$12,500.00	\$250.00	\$12,500.00	NO BID	NO BID
22	FURNISH AND INSTALL EXTRA REINFORCING STEEL (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LB	5000	\$0.50	\$2,500.00	\$1.10	\$5,500.00	NO BID	NO BID
23	FURNISH AND INSTALL EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$25.00	\$2,500.00	\$56.00	\$5,600.00	NO BID	NO BID
24	EXTRA SIGN, COMPLETE IN PLACE	EA	1	\$360.00	\$360.00	\$900.00	\$900.00	NO BID	NO BID
ALTERNATE ITEMS PAVING IMPROVEMENTS SUBTOTAL:					\$934,767.00		\$992,419.50		NO BID

BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES
 AND PAVING ALTERNATE TO SERVE AMIRA SECTION 22
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 542
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JULY 22, 2022
 LJA ENGINEERING, INC.
 A. OTTO
 JULY 26, 2022
 1406-0411 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL, LLC		5) BAY UTILITIES, LLC		6) TEXASITE, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<u>BIDDING SUMMARY</u>									
	SUBTOTAL AMIRA SEC 22 WATER ITEMS				\$203,847.40		\$213,099.40		\$459,999.00
	SUBTOTAL AMIRA SEC 22 SANITARY SEWER ITEMS				\$352,147.50		\$357,175.50		\$318,918.00
	SUBTOTAL AMIRA SEC 22 STORM SEWER ITEMS				\$568,268.50		\$530,600.50		\$520,092.00
	SUBTOTAL MISCELLANEOUS ITEMS				\$55,860.00		\$79,354.00		\$50,522.50
	TOTAL AMOUNT BASE BID				\$1,180,123.40		\$1,180,229.40		\$1,349,531.50
<u>ALTERNATE ITEMS PAVING IMPROVEMENTS</u>									
	TOTAL AMOUNT BASE BID				\$1,180,123.40		\$1,180,229.40		NO BID
	SUBTOTAL ALTERNATE ITEMS PAVING IMPROVEMENTS				\$934,767.00		\$992,419.50		NO BID
	TOTAL AMOUNT INCLUDING ALTERNATE ITEMS PAVING IMPROVEMENTS				\$2,114,890.40		\$2,172,648.90		NO BID

LJA Engineering, Inc.

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CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES
 AND PAVING ALTERNATE TO SERVE AMIRA SECTION 22
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7) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
AMIRA SEC 22 WATER ITEMS					
1	8" PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, COMPLETE IN PLACE	LF	2603	\$52.00	\$135,356.00
2	8" RESTRAINED JOINT PVC WATER PIPE, AWWA, C-900, DR 18, ALL DEPTHS, INCLUDES ALL FITTINGS, VALVES AND ALL RESTRAINED JOINTS FOR PIPE JOINTS, COMPLETE IN PLACE	LF	361	\$100.00	\$36,100.00
3	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	7	\$6,750.00	\$47,250.00
4	REMOVAL OF EXISTING PLUG & CLAMP, (ALL SIZES), 2" BLOW-OFF VALVE & BOX AND CONNECT PROPOSED 8" WATER LINE TO EXISTING WATER LINE, ADDITIONALLY INCLUDES ALL NECESSARY ADAPTERS AND CONNECTORS, AND DISINFECTION OF EXISTING WATER LINE AS APPLICABLE, COMPLETE IN PLACE	EA	3	\$1,100.00	\$3,300.00
5	REMOVE & DISPOSE OF EXISTING 12" WATERLINE, AS NEEDED FOR CONSTRUCTION OF PROPOSED UTILITIES, SHOWN ON SHEET 9 OF THE CONSTRUCTION PLANS, TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	33	\$22.50	\$742.50
6	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2964	\$0.25	\$741.00
AMIRA SEC 22 WATER ITEMS SUBTOTAL:					\$223,489.50
AMIRA SEC 22 SANITARY SEWER ITEMS					
1	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, (ALL DEPTHS), INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, STACK, DROP STRUCTURES AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	19	\$2,300.00	\$43,700.00
2	"FAR SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, (ALL DEPTHS), INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, STACK, DROP STRUCTURES AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	28	\$5,700.00	\$159,600.00
3	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 8 - 12 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	2268	\$65.00	\$147,420.00
4	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 12 - 16 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	289	\$65.50	\$18,929.50
5	STANDARD SANITARY SEWER MANHOLE (0' - 8' DEPTH), COMPLETE IN PLACE	EA	17	\$4,800.00	\$81,600.00
6	EXTRA DEPTH ON SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	38	\$220.00	\$8,360.00
7	ADDITIONAL COST FOR WATER AND SANITARY SEWER CROSSINGS, ALL DEPTHS, INCLUDES UPGRADE TO 18" SECTION FOR RESTRAINED JOINT AWWA C900 DR 18 PIPE FOR BOTH WATER AND SANITARY SEWER LINES WHERE APPLICABLE AND RESTRAINED JOINT FITTINGS, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00
8	CONNECT PROPOSED 8" SANITARY SEWER TO EXISTING SANITARY SEWER MANHOLE, INCLUDES CORING OF MANHOLE, SEALING, ADJUSTMENTS, TEMPORARY PLUGS, REMOVAL, DISPOSAL, AND REPLACEMENT OF EXISTING CONCRETE SIDEWALKS, RAMPS, ALL OTHER APPURTENANCES AND BYPASS PUMPING AS NECESSARY, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00
9	REMOVE EXISTING SAN. PLUG AND CONNECT PROPOSED 8" SAN. SEWER TO EXIST. 8" SAN. SEWER, INCLUDES ALL FITTINGS AND VALVES, COMPLETE IN PLACE	EA	1	\$515.00	\$515.00

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 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 542
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JULY 22, 2022
 LJA ENGINEERING, INC.
 A. OTTO
 JULY 26, 2022
 1406-0411 (9.2)

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

7) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
10	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	4635	\$0.25	\$1,158.75
AMIRA SEC 22 SANITARY SEWER ITEMS SUBTOTAL:					\$464,783.25
AMIRA SEC 22 STORM SEWER ITEMS					
1	12" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	146	\$53.50	\$7,811.00
2	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	2315	\$113.50	\$262,752.50
3	30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	74	\$145.00	\$10,730.00
4	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	610	\$200.00	\$122,000.00
5	STAGE I – STANDARD 5' REINFORCED CONCRETE PRECAST INLET ("C") ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	26	\$2,400.00	\$62,400.00
6	STAGE II – STANDARD 5' REINFORCED CONCRETE PRECAST OR REINFORCED CONCRETE CAST-IN-PLACE (4,000 PSI) INLET ("C"), COMPLETE IN PLACE	EA	26	\$2,800.00	\$72,800.00
7	TYPE "A" PRECAST OR CAST-IN-PLACE INLET, INCLUDES ADJUSTMENT TO FINAL GRADE AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00
8	TYPE "E" PRECAST OR CAST-IN-PLACE INLET, INCLUDES ADJUSTMENT TO FINAL GRADE AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$4,600.00	\$4,600.00
9	TYPE "C" PRECAST OR CAST-IN-PLACE MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	24	\$5,500.00	\$132,000.00
10	DRAINAGE SWALES, "V" BOTTOM, 3:1 SIDE SLOPES, DEPTH VARIES, COMPLETE IN PLACE	LF	1742	\$6.00	\$10,452.00
11	CONNECT PROPOSED 24" RCP STORM SEWER TO EXISTING STORM SEWER MANHOLE, INCLUDES TEMPORARY PLUGS, PUMPING AS NECESSARY, BREAKING INTO MANHOLE, GROUTING, REMOVAL, DISPOSAL, AND REPLACEMENT OF EXISTING CONCRETE SIDEWALKS, RAMPS AND ALL OTHER APPURTENANCES, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00
12	CONNECT PROPOSED 36" RCP STORM SEWER TO EXISTING STORM SEWER MANHOLE, INCLUDES TEMPORARY PLUGS, PUMPING AS NECESSARY, BREAKING INTO MANHOLE, GROUTING, REMOVAL, DISPOSAL, AND REPLACEMENT OF EXISTING CONCRETE SIDEWALKS, RAMPS AND ALL OTHER APPURTENANCES, COMPLETE IN PLACE	EA	1	\$1,550.00	\$1,550.00
13	REMOVE AND DISPOSE OF EXISTING TYPE 'E' MANHOLE TOP AND REPLACE WITH PROPOSED TYPE 'C' MANHOLE TOP, COMPLETE IN PLACE	EA	2	\$4,200.00	\$8,400.00
14	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3145	\$0.25	\$786.25
AMIRA SEC 22 STORM SEWER ITEMS SUBTOTAL:					\$701,281.75
MISCELLANEOUS ITEMS					
1	FURNISH PERFORMANCE, PAYMENT AND MAINTENANCE BONDS PER CONTRACT, DOCUMENTS, COMPLETE IN PLACE	LS	1	\$20,000.00	\$20,000.00
2	EXTRA REINFORCED FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$2.25	\$225.00
3	EXTRA FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$2.25	\$225.00

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 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 542
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JULY 22, 2022
 LJA ENGINEERING, INC.
 A. OTTO
 JULY 26, 2022
 1406-0411 (9.2)

BID OPENING DATE:
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LJA JOB NO.

7) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
4	EXTRA BURLAP BAG BARRIER ON INLET, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$15.00	\$15.00
5	EXTRA SILT FENCE INLET PROTECTION BARRIER, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00
6	EXTRA HYDRO-MULCH SEEDING, COMPLETE IN PLACE	AC	1	\$2,000.00	\$2,000.00
7	EXTRA WATER LINE FITTINGS, COMPLETE IN PLACE	TON	0.1	\$1,000.00	\$100.00
8	EXTRA CEMENT STABILIZED SAND BACKFILL, (2.0 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF ENGINEER) COMPLETE IN PLACE	CY	10	\$45.00	\$450.00
9	EXTRA COST OF SANITARY SEWER WET SAND CONSTRUCTION, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$10.00	\$5,000.00
10	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$10.00	\$1,000.00
11	EXTRA COST OF WET SAND CONSTRUCTION UNDER MANHOLE, ALL DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$500.00	\$500.00
12	DEWATERING FOR UTILITY LINES, ALL LINES SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$25.00	\$12,500.00
13	EXTRA BROADCAST SEEDING, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	1	\$1,100.00	\$1,100.00
14	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$450.00	\$450.00
15	EXTRA 8" AWWA GATE VALVE AND BOX, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00
16	STABILIZED CONSTRUCTION EXIT, INCLUDING INSTALLATION, MAINTENANCE AND REMOVAL, COMPLETE IN PLACE	EA	1	\$4,000.00	\$4,000.00
17	UTILITY SPOILS (ESTIMATED QUANTITY OF 3,630 CUBIC YARDS), TO BE PLACED ON LOTS, STRIPPING, STOCK PILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY, AND REAPPLICATION OF STRIPPINGS IN ACCORDANCE WITH THE GRADING PLAN SHOWN ON SHEET 9 OF THE CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$44,000.00	\$44,000.00
18	ADJUST EXISTING GATE VALVE TO FINISHED GRADE AS REQUIRED (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$415.00	\$415.00
19	STORMWATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$2,500.00	\$2,500.00
20	HYDROMULCH SEEDING OF RIGHT-OF-WAY INCLUDES WATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1.5	\$2,500.00	\$3,750.00

MISCELLANEOUS ITEMS SUBTOTAL: \$99,830.00

ALTERNATE ITEMS PAVING IMPROVEMENTS

1	ROADWAY EXCAVATION, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	4250	\$9.25	\$39,312.50
2	LOT EXCAVATION, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	6995	\$9.25	\$64,703.75

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 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
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 LJA ENGINEERING, INC.
 A. OTTO
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7) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
3	FINAL LOT AND RESERVE GRADING OF AMIRA SECTION 22, INCLUDING STRIPPING AND PROOFROLLING, HAULING, PLACEMENT AND COMPACTION OF EXCESS EXCAVATED MATERIALS, AND REPLACEMENT OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$35,000.00	\$35,000.00
4	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	10576	\$58.25	\$616,052.00
5	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	1376	\$5.50	\$7,568.00
6	4"X12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	4478	\$5.50	\$24,629.00
7	6" LIME-FLY ASH STABILIZED SUB-GRADE (MANIPULATION), COMPLETE IN PLACE	LF	11226	\$5.15	\$57,813.90
8	2% HYDRATED LIME FOR STABILIZED SUB-GRADE (16 LBS./SY BY WEIGHT) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	90	\$275.00	\$24,750.00
9	8% FLY ASH FOR STABILIZED SUB-GRADE, (38 LBS./SY BY WEIGHT) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	213	\$145.00	\$30,885.00
10	DOUBLE REFLECTORIZED BLUE FIRE HYDRANT BUTTONS, COMPLETE IN PLACE	EA	7	\$20.00	\$140.00
11	PERMANENT TRAFFIC CONTROL DEVICES (INCLUDING ALL TRAFFIC BUTTONS, PAVEMENT STRIPING, DIRECTIONAL ARROWS, STREET SIGNS, TRAFFIC SIGNS, STOP BARS, CROSS WALKS, AND TRAFFIC WARNING SIGNS PER CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$7,500.00	\$7,500.00
12	REMOVE AND DISPOSE EXISTING TYPE III BARRICADE, COMPLETE IN PLACE	EA	3	\$125.00	\$375.00
13	EXTRA REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$2.85	\$285.00
14	WHEELCHAIR RAMPS PER CONSTRUCTION PLANS, COMPLETE IN PLACE	EA	4	\$1,925.00	\$7,700.00
15	CONNECTION OF PROPOSED 6" CONCRETE PAVEMENT TO EXISTING BELMONT STAKES WAY, COMPLETE IN PLACE	EA	1	\$515.00	\$515.00
16	CONNECTION OF PROPOSED 6" CONCRETE PAVEMENT TO EXISTING CALUMET FARM LANE, COMPLETE IN PLACE	EA	1	\$515.00	\$515.00
17	CONNECTION OF PROPOSED 6" CONCRETE PAVEMENT TO EXISTING DUBLIN BAY BOULEVARD, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00
18	PAVING HEADER FOR FUTURE DRAFHORSE DRIVE, COMPLETE IN PLACE	LF	28	\$20.00	\$560.00
19	TYPE III BARRICADES, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00
20	TEMPORARY TRAFFIC CONTROL, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00
21	FURNISH AND INSTALL EXTRA CLASS "A" CONCRETE (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	50	\$250.00	\$12,500.00
22	FURNISH AND INSTALL EXTRA REINFORCING STEEL (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LB	5000	\$0.80	\$4,000.00
23	FURNISH AND INSTALL EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$45.00	\$4,500.00
24	EXTRA SIGN, COMPLETE IN PLACE	EA	1	\$700.00	\$700.00

ALTERNATE ITEMS PAVING IMPROVEMENTS SUBTOTAL:

\$944,504.15

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AND PAVING ALTERNATE TO SERVE AMIRA SECTION 22
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CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
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ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
<u>BIDDING SUMMARY</u>					
	SUBTOTAL AMIRA SEC 22 WATER ITEMS				\$223,489.50
	SUBTOTAL AMIRA SEC 22 SANITARY SEWER ITEMS				\$464,783.25
	SUBTOTAL AMIRA SEC 22 STORM SEWER ITEMS				\$701,281.75
	SUBTOTAL MISCELLANEOUS ITEMS				\$99,830.00
	TOTAL AMOUNT BASE BID				\$1,489,384.50
<u>ALTERNATE ITEMS PAVING IMPROVEMENTS</u>					
	TOTAL AMOUNT BASE BID				\$1,489,384.50
	SUBTOTAL ALTERNATE ITEMS PAVING IMPROVEMENTS				\$944,504.15
	TOTAL AMOUNT INCLUDING ALTERNATE ITEMS PAVING IMPROVEMENTS				\$2,433,888.65

LJA Engineering, Inc.