

BID TABULATION FOR:

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

CONSTRUCTION OF THE WATER, SANITARY SEWER & DRAINAGE FACILITIES
TO SERVE TAVOLA SECTION 46
EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO., 7
CITY OF HOUSTON, MONTGOMERY COUNTY, TEXAS
DECEMBER 10, 2021
LJA ENGINEERING, INC.
A.CAROTHERS
DECEMBER 13, 2021
6967-1246 (9.2)

BIDDER'S NAME	TOTAL BID AMOUNT
1) BLAZEY CONSTRUCTION SERVICES, LLC	\$1,622,876.02 *
2) C.E BARKER, LTD	\$1,640,615.33
3) R CONSTRUCTION CIVIL	\$1,647,280.84
4) CROSTEX CONSTRUCTION, INC.	\$1,675,000.00
5) TEXASITE, LLC	\$1,694,309.71 *

CALENDAR DAYS - 45/55



Justin L. Graham
12/13/2021

I, Justin Graham, PE., hereby certify these bid tabulations to be true and correct.

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ITEM DESCRIPTION	UNIT	QTY	1) BLAZEY CONSTRUCTION SERVICES, LLC		2) C.E BARKER, LTD		3) R CONSTRUCTION CIVIL		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
WATER ITEMS									
1. 12" P.V.C. WATER PIPE, C-900, DR18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	34	\$64.00	\$2,176.00	\$66.36	\$2,256.24	\$90.00	\$3,060.00	
2. 12" P.V.C. WATER PIPE, C-900, DR18, CLASS 235, RESTRAINED JOINTS, ALL DEPTHS, COMPLETE IN PLACE	LF	124	\$75.00	\$9,300.00	\$95.86	\$11,886.64	\$93.00	\$11,532.00	
3. 8" P.V.C. WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	717	\$35.00	\$25,095.00	\$36.63	\$26,263.71	\$39.00	\$27,963.00	
4. 8" P.V.C. WATER PIPE, C-900, DR18, CLASS 235, RESTRAINED JOINTS, ALL DEPTHS, COMPLETE IN PLACE	LF	1,086	\$39.00	\$42,354.00	\$51.27	\$55,679.22	\$48.00	\$52,128.00	
5. 6" P.V.C. WATER PIPE C-900, DR18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	69	\$25.00	\$1,725.00	\$25.95	\$1,790.55	\$43.00	\$2,967.00	
6. 4" P.V.C. WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	23	\$17.00	\$391.00	\$18.34	\$421.82	\$39.00	\$897.00	
7. 4" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$193.00	\$193.00	\$285.02	\$285.02	\$165.00	\$165.00	
8. 2" BLOW OFF VALVE AND BOX, COMPLETE IN PLACE	EA	3	\$1,102.00	\$3,306.00	\$1,156.79	\$3,470.37	\$1,190.00	\$3,570.00	
9. 8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	2	\$281.00	\$562.00	\$390.46	\$780.92	\$280.00	\$560.00	
10. 8" P.V.C. WATER PIPE, C-900, DR18, CLASS 235, RESTRAINED JOINTS, ALL DEPTHS, COMPLETE IN PLACE	LF	160	\$28.00	\$4,480.00	\$36.12	\$5,779.20	\$34.00	\$5,440.00	
11. 4" P.V.C. WATER PIPE, C-900, DR18, CLASS 235, RESTRAINED JOINTS, ALL DEPTHS, COMPLETE IN PLACE	LF	115	\$21.00	\$2,415.00	\$27.04	\$3,109.60	\$25.00	\$2,875.00	
12. FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD AND FIRE HYDRANT, COMPLETE IN PLACE	EA	6	\$4,611.00	\$27,666.00	\$5,234.76	\$31,408.56	\$5,200.00	\$31,200.00	
13. 8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	6	\$1,517.00	\$9,102.00	\$1,576.78	\$9,460.68	\$1,740.00	\$10,440.00	
14. DUCTILE IRON FITTINGS, COMPLETE IN PLACE	TON	1.43	\$5,093.00	\$7,282.99	\$6,654.86	\$9,516.45	\$4,500.00	\$6,435.00	
15. TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	2,328	\$0.30	\$698.40	\$0.01	\$23.28	\$0.10	\$232.80	
16. REMOVE EXISTING 12" PLUG & CLAMP AND 2" BLOW OFF VALVE AND CONNECT PROPOSED 12" WATERLINE ALL SIZES INCLUDES ALL NECESSARY ADAPTERS, AND CONNECTORS, (WET CONNECT), COMPLETE IN PLACE	EA	1	\$1,217.00	\$1,217.00	\$1,212.03	\$1,212.03	\$432.00	\$432.00	
17. REMOVE 8" PLUG & CLAMP AND BLOW OFF VALVE (BY OTHERS) AND CONNECT PROPOSED 8" WATERLINE, ALL SIZES, INCLUDES ALL NECESSARY ADAPTERS, AND CONNECTORS, (WET CONNECT), COMPLETE IN PLACE	EA	1	\$990.00	\$990.00	\$941.30	\$941.30	\$185.00	\$185.00	
18. 12" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	1	\$2,526.00	\$2,526.00	\$2,747.39	\$2,747.39	\$2,945.00	\$2,945.00	
19. 6" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	1	\$905.00	\$905.00	\$1,081.80	\$1,081.80	\$1,325.00	\$1,325.00	
SUBTOTAL WATER ITEMS				\$142,384.39		\$168,114.78		\$164,311.80	
SANITARY SEWER ITEMS									
1. 8" P.V.C. GREEN SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	535	\$43.00	\$23,005.00	\$43.40	\$23,219.00	\$36.00	\$20,330.00	
2. 8" P.V.C. GREEN SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,401	\$46.00	\$64,446.00	\$45.19	\$63,311.19	\$40.00	\$56,040.00	
3. 8" P.V.C. GREEN SEWER PIPE ASTM D-2241, SDR 26, 12'-16' CUT INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	535	\$53.00	\$28,355.00	\$50.94	\$27,252.90	\$41.00	\$21,935.00	
4. STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (0'-8' DEPTH), INCLUDES INFLOW PROTECTOR, COMPLETE IN PLACE	EA	18	\$2,641.00	\$47,538.00	\$2,372.32	\$42,701.76	\$2,695.00	\$48,510.00	
5. EXTRA DEPTH OF SANITARY MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	20.9	\$181.00	\$3,782.90	\$175.50	\$3,667.95	\$175.00	\$3,657.50	

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 TO SERVE TAVOLA SECTION 46
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 6967-1246 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) BLAZEY CONSTRUCTION SERVICES, LLC		2) C.E BARKER, LTD		3) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.	"LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, CLASS 160, ALL DEPTHS, INCLUDING DROP STRUCTURE, CEMENT STABILIZED SAND BACKFILL, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	1,619	\$62.00	\$100,378.00	\$66.86	\$108,246.34	\$54.00	\$87,428.00
7.	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, CLASS 160, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, STACK, RISER, WYE, PLUG, DROP STRUCTURE, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	16	\$1,695.00	\$27,120.00	\$3,036.82	\$48,589.12	\$2,015.00	\$32,240.00
8.	T.V. INSPECTION OF SANITARY SEWER LINES, ALL DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	2,383	\$2.00	\$4,766.00	\$0.01	\$23.83	\$2.00	\$4,766.00
9.	TRENCH SAFETY SYSTEM, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	4,090	\$0.30	\$1,227.00	\$0.01	\$40.90	\$0.10	\$409.00
10.	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$20.00	\$10,000.00
11.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING FOR WET SAND CONSTRUCTION, ALL DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$12.00	\$6,000.00	\$12.00	\$6,000.00	\$12.00	\$6,000.00
12.	CORE INTO EXISTING SANITARY MANHOLE, AND CONNECT PROPOSED 8" SANITARY SEWER, INCLUDES ALL NECESSARY CONNECTORS, ADAPTERS AND FITTINGS, COMPLETE IN PLACE	EA	1	\$1,941.00	\$1,941.00	\$1,167.25	\$1,167.25	\$1,580.00	\$1,580.00
13.	"LONG SIDE" DOUBLE OR SINGLE 8" PVC PIPE SERVICE, LEADS, ASTM D-2241, SDR 26, CLASS 55, ALL DEPTHS, INCLUDING DROP STRUCTURE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC, COMPLETE IN PLACE	LF	117	\$67.26	\$7,869.42	\$64.31	\$7,524.27	\$65.00	\$7,605.00
14.	STANDARD SANITARY SEWER DROP AT MANHOLE, (2' DEPTH), COMPLETE IN PLACE	EA	3	\$958.00	\$2,874.00	\$1,458.82	\$4,376.46	\$1,082.00	\$3,246.00
15.	EXTRA DEPTH ON STANDARD SANITARY SEWER DROP, (OVER 2' OF DEPTH), COMPLETE IN PLACE	VF	6.59	\$39.00	\$257.01	\$67.34	\$443.77	\$56.00	\$369.04
SUBTOTAL SANITARY SEWER ITEMS					\$329,559.33		\$346,564.74		\$304,093.54
DRAINAGE FACILITIES ITEMS									
1.	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	961	\$73.00	\$70,153.00	\$92.74	\$89,123.14	\$81.00	\$77,841.00
2.	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	160	\$87.00	\$13,920.00	\$113.68	\$18,188.80	\$100.00	\$16,000.00
3.	36" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	295	\$125.00	\$36,875.00	\$153.87	\$45,391.65	\$155.00	\$45,725.00
4.	42" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	401	\$179.00	\$71,779.00	\$196.63	\$78,848.63	\$206.00	\$82,606.00
5.	48" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	547	\$197.00	\$107,759.00	\$234.04	\$128,019.88	\$218.00	\$119,246.00
6.	54" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	351	\$289.00	\$101,439.00	\$319.74	\$112,228.74	\$301.00	\$105,651.00
7.	STAGE I - STANDARD 5' PRECAST INLET ("B-B"), (INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS), COMPLETE IN PLACE	EA	14	\$1,455.00	\$20,370.00	\$1,153.62	\$16,150.68	\$1,020.00	\$14,280.00
8.	STAGE II - STANDARD 5' PRECAST INLET ("B-B"), (INCLUDES TEMPORARY SAND-FILLED BURLAP BAGS FOR EROSION AND SEDIMENT CONTROL), COMPLETE IN PLACE	EA	14	\$1,795.00	\$25,130.00	\$1,035.30	\$14,494.20	\$2,560.00	\$35,840.00
9.	TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$7,894.00	\$39,470.00	\$4,575.87	\$22,879.35	\$3,420.00	\$17,100.00

MATHEMATICAL ERROR*

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ITEM	DESCRIPTION	UNIT	QTY	1) BLAZEY CONSTRUCTION SERVICES, LLC		2) C.E BARKER, LTD		3) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	14	\$3,710.00	\$51,940.00	\$3,274.35	\$45,840.90	\$7,343.00	\$102,802.00
11.	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS. (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$20.00	\$10,000.00
12.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING FOR WET SAND CONSTRUCTION, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	500	\$12.00	\$6,000.00	\$12.00	\$6,000.00	\$12.00	\$6,000.00
13.	WATER, OFFSITE STORM SEWER, SANITARY SEWER, AND STORM SEWER UTILITY SPOIL TO BE HAULED OFFSITE TO A DESIGNATED FILL LOCATION WITHIN 1.0 MILE OF THE PROJECT, PLACED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY, INCLUDES SITE PREP, ANY TEMPORARY TRAFFIC CONTROL, FLAGMEN, ETC., REQUIRED TO CROSS OR TRAVERSE EXISTING ROADWAYS, COMPLETE IN PLACE	LS	1	\$65,741.00	\$65,741.00	\$6,531.19	\$6,531.19	\$21,100.00	\$21,100.00
14.	TRENCH SAFETY SYSTEM, ALL SIZES AND ALL DEPTHS, COMPLETE IN PLACE	LF	2,715	\$0.30	\$814.50	\$0.01	\$27.15	\$0.10	\$271.50
15.	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
16.	STORM WATER POLLUTION PREVENTION PLAN, INCLUDES CONTRACTOR'S BOOKLET, NOI & NOT, COMPLETE IN PLACE	LS	1	\$1,607.00	\$1,607.00	\$591.60	\$591.60	\$1,345.00	\$1,345.00
17.	METHOD "A" FULL CONSTRUCTION STAKING (BY GBI SURVEYING COORDINATE WITH JON BORDOVSKY: 281.499.4539), OWNER ONLY PROVIDES LIMITED CONTROL STAKING, COMPLETE IN PLACE	LS	1	\$16,951.00	\$16,951.00	\$16,951.00	\$16,951.00	\$16,951.00	\$16,951.00
18.	CONCRETE TRUCK WASHOUT, (INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL), COMPLETE IN PLACE	EA	1	\$613.00	\$613.00	\$1,183.20	\$1,183.20	\$555.00	\$555.00
19.	REDRESS HIGH BANK AND SIDE SLOPE OF EXISTING PEACH CREEK POND, TO ITS ORIGINAL CONDITION OR BETTER AFTER CONSTRUCTION OF OUTFALL, COMPLETE IN PLACE	LS	1	\$2,804.00	\$2,804.00	\$5,028.60	\$5,028.60	\$2,825.00	\$2,825.00
20.	SELECT CLEARING AND GRUBBING AND STRIPPING, DEBRIS TO BE HAULED OFFSITE, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1	\$8,500.00	\$8,500.00	\$8,500.00	\$8,500.00	\$8,500.00	\$8,500.00
21.	OVERFLOW SWALE, COMPLETE IN PLACE	LF	370	\$5.90	\$2,183.00	\$3.55	\$1,313.50	\$7.50	\$2,775.00
22.	4" CONCRETE SLOPE PAVING, (INCLUDES 3' TOE WALL), COMPLETE IN PLACE	SY	1,650	\$117.00	\$193,050.00	\$97.02	\$160,083.00	\$102.00	\$168,300.00
23.	18" THICK RIP RAP, (INCLUDES FILTER FABRIC), COMPLETE IN PLACE	SY	399	\$107.00	\$42,693.00	\$92.29	\$36,823.71	\$101.00	\$40,299.00
24.	18" THICK RIP RAP SET IN 18" CEMENT STABILIZED SAND, (INCLUDES FILTER FABRIC), COMPLETE IN PLACE	SY	1,691	\$124.00	\$209,684.00	\$119.83	\$202,632.53	\$113.00	\$191,083.00
25.	SWALE, COMPLETE IN PLACE	LF	903	\$3.00	\$2,709.00	\$3.55	\$3,205.65	\$4.00	\$3,612.00
26.	OUTFALL DITCH, COMPLETE IN PLACE	CY	18,682	\$1.90	\$35,495.80	\$4.47	\$83,508.54	\$4.00	\$74,728.00
27.	TYPE C MANHOLE WITH TYPE 'E' INLET TOP, COMPLETE IN PLACE	EA	1	\$6,437.00	\$6,437.00	\$4,815.62	\$4,815.62	\$5,950.00	\$5,950.00
28.	INLET PROTECTION BARRIER FOR TYPE 'E' INLET, COMPLETE IN PLACE	EA	2	\$64.00	\$128.00	\$67.44	\$134.88	\$55.00	\$110.00
29.	TYPE 'E' INLET, COMPLETE IN PLACE	EA	1	\$2,909.00	\$2,909.00	\$2,804.18	\$2,804.18	\$2,710.00	\$2,710.00
30.	BREAK INTO TYPE 'C' MANHOLE (BY OTHERS) AND CONNECT PROPOSED 24" STORM SEWER, COMPLETE IN PLACE	EA	2	\$321.00	\$642.00	\$1,271.94	\$2,543.88	\$185.00	\$370.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$1,149,296.30 *		\$1,125,344.20		\$1,176,075.50
MISCELLANEOUS ITEMS									

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			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1. ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED. (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER). COMPLETE IN PLACE	EA	1	\$29.00	\$29.00	\$0.01	\$0.01	\$110.00	\$110.00
2. STORMWATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$1,607.00	\$1,607.00	\$591.60	\$591.60	\$2,690.00	\$2,690.00
3. DEDUCT FOR DAMAGE TO TREES OUTSIDE CLEARING LIMITS OR MARKED FOR PRESERVATION, COMPLETE IN PLACE	EA	0	(\$1,000.00)	\$0.00	(\$1,000.00)	\$0.00	(\$1,000.00)	\$0.00
4. DEDUCT FOR DAMAGE TO OWNER INSTALLED EROSION CONTROL FENCE, COMPLETE IN PLACE	LF	0	(\$2.00)	\$0.00	(\$2.00)	\$0.00	(\$2.00)	\$0.00
SUBTOTAL MISCELLANEOUS ITEMS				\$1,636.00		\$591.61		\$2,800.00
BID SUMMARY								
SUBTOTAL WATER ITEMS				\$142,384.39		\$168,114.78		\$164,311.80
SUBTOTAL SANITARY SEWER ITEMS				\$329,559.33		\$346,564.74		\$304,093.54
SUBTOTAL DRAINAGE FACILITIES ITEMS				\$1,149,296.30		\$1,125,344.20		\$1,176,075.50
SUBTOTAL MISCELLANEOUS ITEMS				\$1,636.00		\$591.61		\$2,800.00
TOTAL AMOUNT BID				\$1,622,876.02		\$1,640,615.33		\$1,647,280.84

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			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
WATER ITEMS							
1. 12" P.V.C. WATER PIPE, C-900, DR18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	34	\$74.00	\$2,516.00	\$68.00	\$2,312.00	
2. 12" P.V.C. WATER PIPE, C-900, DR18, CLASS 235, RESTRAINED JOINTS, ALL DEPTHS, COMPLETE IN PLACE	LF	124	\$86.50	\$10,726.00	\$95.00	\$11,780.00	
3. 8" P.V.C. WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	717	\$37.00	\$26,529.00	\$38.00	\$27,248.00	
4. 8" P.V.C. WATER PIPE, C-900, DR18, CLASS 235, RESTRAINED JOINTS, ALL DEPTHS, COMPLETE IN PLACE	LF	1,086	\$43.50	\$47,241.00	\$50.00	\$54,300.00	
5. 6" P.V.C. WATER PIPE C-900, DR18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	69	\$26.00	\$1,794.00	\$27.00	\$1,863.00	
6. 4" P.V.C. WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	23	\$19.00	\$437.00	\$20.00	\$460.00	
7. 4" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$130.00	\$130.00	\$365.00	\$365.00	
8. 2" BLOW OFF VALVE AND BOX, COMPLETE IN PLACE	EA	3	\$935.00	\$2,805.00	\$675.00	\$2,025.00	
9. 8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	2	\$225.00	\$450.00	\$425.00	\$850.00	
10. 6" P.V.C. WATER PIPE, C-900, DR18, CLASS 235, RESTRAINED JOINTS, ALL DEPTHS, COMPLETE IN PLACE	LF	160	\$30.25	\$4,840.00	\$30.00	\$4,800.00	
11. 4" P.V.C. WATER PIPE, C-900, DR18, CLASS 235, RESTRAINED JOINTS, ALL DEPTHS, COMPLETE IN PLACE	LF	115	\$20.25	\$2,328.75	\$25.00	\$2,875.00	
12. FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD AND FIRE HYDRANT, COMPLETE IN PLACE	EA	6	\$4,600.00	\$27,600.00	\$4,900.00	\$29,400.00	
13. 8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	6	\$1,360.00	\$8,160.00	\$1,650.00	\$9,900.00	
14. DUCTILE IRON FITTINGS, COMPLETE IN PLACE	TON	1.43	\$4,700.00	\$6,721.00	\$4,350.00	\$6,220.50	
15. TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	2,328	\$0.05	\$116.40	\$1.00	\$2,328.00	
16. REMOVE EXISTING 12" PLUG & CLAMP AND 2" BLOW OFF VALVE AND CONNECT PROPOSED 12" WATERLINE ALL SIZES INCLUDES ALL NECESSARY ADAPTERS, AND CONNECTORS, (WET CONNECT), COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$725.00	\$725.00	
17. REMOVE 8" PLUG & CLAMP AND BLOW OFF VALVE (BY OTHERS) AND CONNECT PROPOSED 8" WATERLINE, ALL SIZES, INCLUDES ALL NECESSARY ADAPTERS, AND CONNECTORS, (WET CONNECT), COMPLETE IN PLACE	EA	1	\$350.00	\$350.00	\$65.00	\$65.00	
18. 12" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	1	\$2,630.00	\$2,630.00	\$2,600.00	\$2,600.00	
19. 6" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	1	\$935.00	\$935.00	\$1,000.00	\$1,000.00	
SUBTOTAL WATER ITEMS				\$146,809.15		\$161,114.50	
SANITARY SEWER ITEMS							
1. 8" P.V.C. GREEN SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	535	\$38.75	\$20,731.25	\$45.00	\$24,075.00	
2. 8" P.V.C. GREEN SEWER PIPE, ASTM D-2241, SDR 26,8-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,401	\$42.00	\$58,842.00	\$47.00	\$65,847.00	
3. 8" P.V.C. GREEN SEWER PIPE ASTM D-2241, SDR 26, 12'-16' CUT INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	535	\$45.50	\$24,342.50	\$52.00	\$27,820.00	
4. STANDARD SANITARY SEWER MANHOLE FOR 8"-24" SANITARY SEWER PIPES, (0'-8' DEPTH), INCLUDES INFLOW PROTECTOR, COMPLETE IN PLACE	EA	18	\$2,425.00	\$43,650.00	\$3,200.00	\$57,600.00	
5. EXTRA DEPTH OF SANITARY MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	20.9	\$243.00	\$5,078.70	\$200.00	\$4,180.00	

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TABULATION DATE:
LJA JOB NO.

CONSTRUCTION OF THE WATER, SANITARY SEWER & DRAINAGE FACILITIES
 TO SERVE TAVOLA SECTION 46
 EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO., 7
 CITY OF HOUSTON, MONTGOMERY COUNTY, TEXAS
 DECEMBER 10, 2021
 LJA ENGINEERING, INC.
 A.CAROTHERS
 DECEMBER 13, 2021
 6967-1246 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) CROSTEX CONSTRUCTION, INC.		5) TEXASITE, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.	"LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, CLASS 160, ALL DEPTHS, INCLUDING DROP STRUCTURE, CEMENT STABILIZED SAND BACKFILL, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	1,819	\$52.00	\$84,188.00	\$53.00	\$85,807.00
7.	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, CLASS 160, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, STACK, RISER, WYE, PLUG, DROP STRUCTURE, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	16	\$1,915.00	\$30,640.00	\$2,000.00	\$32,000.00
8.	T.V. INSPECTION OF SANITARY SEWER LINES, ALL DEPTHS. (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	2,383	\$0.01	\$23.83	\$0.01	\$23.83
9.	TRENCH SAFETY SYSTEM, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	4,090	\$2.80	\$11,452.00	\$1.00	\$4,090.00
10.	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS. (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00
11.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING FOR WET SAND CONSTRUCTION, ALL DEPTHS, ALL SIZES. (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$12.00	\$6,000.00	\$12.00	\$6,000.00
12.	CORE INTO EXISTING SANITARY MANHOLE, AND CONNECT PROPOSED 8" SANITARY SEWER, INCLUDES ALL NECESSARY CONNECTORS, ADAPTERS AND FITTINGS, COMPLETE IN PLACE	EA	1	\$2,500.00	\$2,500.00	\$1,550.00	\$1,550.00
13.	"LONG SIDE" DOUBLE OR SINGLE 8" PVC PIPE SERVICE, LEADS, ASTM D-2241, SDR 26, CLASS 55, ALL DEPTHS, INCLUDING DROP STRUCTURE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC. COMPLETE IN PLACE	LF	117	\$53.00	\$6,201.00	\$56.00	\$6,552.00
14.	STANDARD SANITARY SEWER DROP AT MANHOLE, (2.0' DEPTH), COMPLETE IN PLACE	EA	3	\$700.00	\$2,100.00	\$965.00	\$2,895.00
15.	EXTRA DEPTH ON STANDARD SANITARY SEWER DROP, (OVER 2' OF DEPTH), COMPLETE IN PLACE	VF	6.59	\$70.00	\$461.30	\$32.00	\$210.88
SUBTOTAL SANITARY SEWER ITEMS					\$306,210.58		\$328,650.71 *
DRAINAGE FACILITIES ITEMS							
1.	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	961	\$73.00	\$70,153.00	\$77.00	\$73,997.00
2.	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	160	\$91.50	\$14,640.00	\$96.00	\$15,360.00
3.	36" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	295	\$125.50	\$37,022.50	\$145.00	\$42,775.00
4.	42" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	401	\$165.00	\$66,165.00	\$210.00	\$84,210.00
5.	48" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	547	\$199.00	\$108,853.00	\$214.00	\$117,058.00
6.	54" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	351	\$280.00	\$98,280.00	\$301.00	\$105,651.00
7.	STAGE I - STANDARD 5' PRECAST INLET ("B-B"), (INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS), COMPLETE IN PLACE	EA	14	\$2,000.00	\$28,000.00	\$1,500.00	\$21,000.00
8.	STAGE II - STANDARD 5' PRECAST INLET ("B-B"), (INCLUDES TEMPORARY SAND-FILLED BURLAP BAGS FOR EROSION AND SEDIMENT CONTROL), COMPLETE IN PLACE	EA	14	\$500.00	\$7,000.00	\$1,500.00	\$21,000.00
9.	TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$6,500.00	\$32,500.00	\$6,000.00	\$30,000.00

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CONSTRUCTION OF THE WATER, SANITARY SEWER & DRAINAGE FACILITIES
 TO SERVE TAVOLA SECTION 46
 EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO., 7
 CITY OF HOUSTON, MONTGOMERY COUNTY, TEXAS
 DECEMBER 10, 2021
 LJA ENGINEERING, INC.
 A. CAROTHERS
 DECEMBER 13, 2021
 6967-1246 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) CROSTEX CONSTRUCTION, INC.		5) TEXASITE, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	14	\$2,750.00	\$38,500.00	\$3,250.00	\$45,500.00
11.	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00
12.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING FOR WET SAND CONSTRUCTION, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	500	\$12.00	\$6,000.00	\$12.00	\$6,000.00
13.	WATER, OFFSITE STORM SEWER, SANITARY SEWER, AND STORM SEWER UTILITY SPOIL TO BE HAULED OFFSITE TO A DESIGNATED FILL LOCATION WITHIN 1.0 MILE OF THE PROJECT, PLACED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY, INCLUDES SITE PREP, ANY TEMPORARY TRAFFIC CONTROL, FLAGMEN, ETC., REQUIRED TO CROSS OR TRAVERSE EXISTING ROADWAYS, COMPLETE IN PLACE	LS	1	\$65,586.52	\$65,586.52	\$22,500.00	\$22,500.00
14.	TRENCH SAFETY SYSTEM, ALL SIZES AND ALL DEPTHS, COMPLETE IN PLACE	LF	2,715	\$0.25	\$678.75	\$1.00	\$2,715.00
15.	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
16.	STORM WATER POLLUTION PREVENTION PLAN, INCLUDES CONTRACTOR'S BOOKLET, NOI & NOT, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$1,875.00	\$1,875.00
17.	METHOD "A" FULL CONSTRUCTION STAKING (BY GBI SURVEYING COORDINATE WITH JON BORDOVSKY: 281.499.4539), OWNER ONLY PROVIDES LIMITED CONTROL STAKING, COMPLETE IN PLACE	LS	1	\$19,900.00	\$19,900.00	\$16,951.00	\$16,951.00
18.	CONCRETE TRUCK WASHOUT, (INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL), COMPLETE IN PLACE	EA	1	\$750.00	\$750.00	\$65.00	\$65.00
19.	REDRESS HIGH BANK AND SIDE SLOPE OF EXISTING PEACH CREEK POND, TO ITS ORIGINAL CONDITION OR BETTER AFTER CONSTRUCTION OF OUTFALL, COMPLETE IN PLACE	LS	1	\$12,500.00	\$12,500.00	\$3,125.00	\$3,125.00
20.	SELECT CLEARING AND GRUBBING AND STRIPPING, DEBRIS TO BE HAULED OFFSITE, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1	\$10,200.00	\$10,200.00	\$8,500.00	\$8,500.00
21.	OVERFLOW SWALE, COMPLETE IN PLACE	LF	370	\$10.00	\$3,700.00	\$6.25	\$2,312.50
22.	4" CONCRETE SLOPE PAVING, (INCLUDES 3' TOE WALL), COMPLETE IN PLACE	SY	1,650	\$120.00	\$198,000.00	\$112.00	\$184,800.00
23.	18" THICK RIP RAP, (INCLUDES FILTER FABRIC), COMPLETE IN PLACE	SY	399	\$80.00	\$31,920.00	\$108.00	\$43,092.00
24.	18" THICK RIP RAP SET IN 18" CEMENT STABILIZED SAND, (INCLUDES FILTER FABRIC), COMPLETE IN PLACE	SY	1,691	\$115.00	\$194,465.00	\$138.00	\$233,358.00
25.	SWALE, COMPLETE IN PLACE	LF	903	\$3.50	\$3,160.50	\$9.00	\$8,127.00
26.	OUTFALL DITCH, COMPLETE IN PLACE	CY	18,682	\$8.00	\$149,456.00	\$5.00	\$93,410.00
27.	TYPE C MANHOLE WITH TYPE 'E' INLET TOP, COMPLETE IN PLACE	EA	1	\$4,750.00	\$4,750.00	\$3,125.00	\$3,125.00
28.	INLET PROTECTION BARRIER FOR TYPE 'E' INLET, COMPLETE IN PLACE	EA	2	\$150.00	\$300.00	\$94.00	\$188.00
29.	TYPE 'E' INLET, COMPLETE IN PLACE	EA	1	\$4,750.00	\$4,750.00	\$3,000.00	\$3,000.00
30.	BREAK INTO TYPE 'C' MANHOLE (BY OTHERS) AND CONNECT PROPOSED 24" STORM SEWER, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$650.00	\$1,300.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$1,220,730.27		\$1,202,494.50
MISCELLANEOUS ITEMS							

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 TO SERVE TAVOLA SECTION 46
 EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO.. 7
 CITY OF HOUSTON, MONTGOMERY COUNTY, TEXAS
 DECEMBER 10, 2021
 LJA ENGINEERING, INC.
 A.CAROTHERS
 DECEMBER 13, 2021
 6967-1246 (9.2)

ITEM DESCRIPTION	UNIT	QTY	4) CROSTEX CONSTRUCTION, INC.		5) TEXASITE, LLC	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1. ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$250.00	\$250.00	\$200.00	\$200.00
2. STORMWATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$1,850.00	\$1,850.00
3. DEDUCT FOR DAMAGE TO TREES OUTSIDE CLEARING LIMITS OR MARKED FOR PRESERVATION, COMPLETE IN PLACE	EA	0	(\$1,000.00)	\$0.00	(\$1,000.00)	\$0.00
4. DEDUCT FOR DAMAGE TO OWNER INSTALLED EROSION CONTROL FENCE COMPLETE IN PLACE	LF	0	(\$2.00)	\$0.00	(\$2.00)	\$0.00
SUBTOTAL MISCELLANEOUS ITEMS				\$1,250.00		\$2,050.00
BID SUMMARY						
SUBTOTAL WATER ITEMS				\$146,809.15		\$161,114.50
SUBTOTAL SANITARY SEWER ITEMS				\$306,210.58		\$328,650.71
SUBTOTAL DRAINAGE FACILITIES ITEMS				\$1,220,730.27		\$1,202,494.50
SUBTOTAL MISCELLANEOUS ITEMS				\$1,250.00		\$2,050.00
TOTAL AMOUNT BID				\$1,675,000.00		\$1,694,309.71

LJA Engineering, Inc.