

BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER & DRAINAGE FACILITIES
TO SERVE TAVOLA SECTION 22
EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 6
CITY OF HOUSTON E.T.J., MONTGOMERY COUNTY, TEXAS
FEBRUARY 8, 2019
LJA ENGINEERING, INC.
C. DURHAM
FEBRUARY 8, 2019
6966-1222 (9.2)

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

BIDDER'S NAME	TOTAL BID AMOUNT	TOTAL AMOUNT BID INCLUDING ALTERNATE NO. 1	TOTAL AMOUNT BID INCLUDING ALTERNATE NO. 2
1) FELLARS & CLARK, L.P.	\$379,950.00	\$647,150.00	\$1,069,050.00
2) TEXASITE, LLC	\$394,158.15	\$997,358.15	\$1,901,558.15
3) CROSTEX CONSTRUCTION, INC.	\$406,000.00 *	\$722,000.00 *	\$1,179,000.00
4) BLAZEY CONSTRUCTION SERVICES, LLC	\$428,188.50 *	\$728,388.50 *	\$1,200,788.50 *
5) C.E. BARKER, LTD.	\$434,683.21	\$754,083.21 *	\$1,220,643.21
6) PRINCIPAL SERVICES, LTD.	\$450,559.60	\$739,559.60	\$1,189,359.60

CALENDAR DAYS - 35/45, 65/75



David A. Rivera
2-8-19

I, David A. Rivera, P.E., hereby certify these bid tabulations to be true and correct.

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ITEM	DESCRIPTION	UNIT	QTY	1) FELLARS & CLARK, L.P.		2) TEXASITE, LLC		3) CROSTEX CONSTRUCTION, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
WATER ITEMS									
1.	6" P.V.C. WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	266	\$18.30	\$4,867.80	\$16.00	\$4,256.00	\$14.10	\$3,750.60
2.	8" P.V.C. WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	395	\$21.15	\$8,354.25	\$20.00	\$7,900.00	\$17.50	\$6,912.50
3.	8" DUCTILE IRON PIPE, COMPLETE IN PLACE	LF	60	\$75.00	\$4,500.00	\$40.00	\$2,400.00	\$40.00	\$2,400.00
4.	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD AND FIRE HYDRANT AND TRENCH SAFETY, COMPLETE IN PLACE	EA	3	\$4,175.00	\$12,525.00	\$3,750.00	\$11,250.00	\$3,900.00	\$11,700.00
5.	6" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	2	\$830.00	\$1,660.00	\$800.00	\$1,600.00	\$705.00	\$1,410.00
6.	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	6	\$1,170.00	\$7,020.00	\$1,100.00	\$6,600.00	\$1,035.00	\$6,210.00
7.	CAST IRON FITTINGS, COMPLETE IN PLACE	TON	0.94	\$1.00	\$0.94	\$1,300.00	\$1,222.00	\$3,000.00	\$2,820.00
8.	6" P.V.C. WATER PIPE, C-900, DR-14, CLASS 305, RESTRAINED JOINT, ALL DEPTHS, COMPLETE IN PLACE	LF	96	\$23.05	\$2,212.80	\$19.00	\$1,824.00	\$38.00	\$3,648.00
9.	8" P.V.C. WATER PIPE, C-900, DR-14, CLASS 305, RESTRAINED JOINT, ALL DEPTHS, COMPLETE IN PLACE	LF	686	\$31.10	\$21,334.60	\$25.00	\$17,150.00	\$56.00	\$38,416.00
10.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,573	\$0.10	\$157.30	\$1.00	\$1,573.00	\$0.10	\$157.30
11.	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	2	\$85.00	\$170.00	\$400.00	\$800.00	\$200.00	\$400.00
12.	2" BLOW OFF ASSEMBLY IN BOX, COMPLETE IN PLACE	EA	2	\$475.00	\$950.00	\$500.00	\$1,000.00	\$750.00	\$1,500.00
13.	REMOVE 8" PLUG AND CLAMP AND 2" BLOW OFF VALVE AND BOX AND CONNECT PROPOSED 8" WATER LINE, COMPLETE IN PLACE	EA	1	\$425.00	\$425.00	\$400.00	\$400.00	\$200.00	\$200.00
SUBTOTAL WATER ITEMS					\$64,177.69		\$57,975.00		\$79,524.40
SANITARY SEWER ITEMS									
1.	8" P.V.C. GREEN SEWER PIPE, C-900, DR 18, 0'-8' CUT, CL-235, COMPLETE IN PLACE	LF	1,721	\$32.45	\$55,846.45	\$29.00	\$49,909.00	\$25.60	\$44,057.60
2.	8" P.V.C. GREEN SEWER PIPE, ASTM-2241, SDR26, 0'-8' CUT, COMPLETE IN PLACE	LF	642	\$28.65	\$18,393.30	\$25.00	\$16,050.00	\$22.40	\$14,380.80
3.	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), INCLUDES INFLOW PREVENTER, COMPLETE IN PLACE	EA	20	\$1,865.00	\$37,300.00	\$2,400.00	\$48,000.00	\$2,350.00	\$47,000.00
4.	LONG SIDE DOUBLE OR SINGLE 6" OR 8" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, CLASS 160, ALL DEPTHS, INCLUDING DROP STRUCTURE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, AND TRENCH SAFETY, ETC., COMPLETE IN PLACE	LF	220	\$42.55	\$9,361.00	\$45.00	\$9,900.00	\$36.00	\$7,920.00
5.	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, CLASS 160, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, TRENCH SAFETY, DROP STRUCTURE, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	17	\$1,510.00	\$25,670.00	\$1,400.00	\$23,800.00	\$1,204.00	\$20,468.00
6.	T.V. INSPECTION OF SANITARY SEWER LINES, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	2,363	\$5.60	\$13,232.80	\$0.05	\$118.15	\$0.25	\$590.75
7.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2,363	\$0.10	\$236.30	\$1.00	\$2,363.00	\$4.00	\$9,452.00

* MATHEMATICAL ERROR

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 TO SERVE TAVOLA SECTION 22
 EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 6
 CITY OF HOUSTON E.T.J., MONTGOMERY COUNTY, TEXAS
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 LJA ENGINEERING, INC.
 C. DURHAM
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 6966-1222 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) FELLARS & CLARK, L.P.		2) TEXASITE, LLC		3) CROSTEX CONSTRUCTION, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8.	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
9.	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	\$12.00	\$6,000.00
10.	CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER, INCLUDES ALL NECESSARY CONNECTORS, ADAPTERS AND FITTINGS, COMPLETE IN PLACE	EA	2	\$1,230.00	\$2,460.00	\$1,300.00	\$2,600.00	\$1,750.00	\$3,500.00
SUBTOTAL SANITARY SEWER ITEMS					\$178,499.85	\$168,740.15		\$163,369.15	
DRAINAGE FACILITIES ITEMS									
1.	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	227	\$57.80	\$13,120.60	\$65.00	\$14,755.00	\$58.50	\$13,279.50
2.	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	832	\$61.95	\$51,542.40	\$75.00	\$62,400.00	\$75.00	\$62,400.00
3.	30" HDPE STORM SEWER, ASTM C-76 CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	36	\$49.30	\$1,774.80	\$62.00	\$2,232.00	\$52.00	\$1,872.00
4.	STAGE I - STANDARD 5' PRECAST INLET ("H-2"), (INCLUDES TEMPORARY SAND FILLED BURLAP BAGS FOR EROSION AND SEDIMENT CONTROL), COMPLETE IN PLACE	EA	7	\$785.00	\$5,495.00	\$1,300.00	\$9,100.00	\$2,000.00	\$14,000.00
5.	STAGE II - STANDARD 5' PRECAST INLET ("H-2"), (INCLUDES TEMPORARY SAND-FILLED BURLAP BAGS FOR EROSION AND SEDIMENT CONTROL), COMPLETE IN PLACE	EA	7	\$1,285.00	\$8,995.00	\$1,300.00	\$9,100.00	\$500.00	\$3,500.00
6.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	10	\$1,985.00	\$19,850.00	\$2,700.00	\$27,000.00	\$2,300.00	\$23,000.00
7.	DEWATERING, ALL SIZES, ALL DEPTHS, (THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$20.00	\$10,000.00
8.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING, (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
9.	8" BRICK WALL PLUG FOR STORM BOX, ALL SIZES, COMPLETE IN PLACE	EA	1	\$225.00	\$225.00	\$350.00	\$350.00	\$200.00	\$200.00
10.	WATER, SANITARY SEWER, AND STORM SEWER UTILITY SPOIL TO BE HAULED TO A DESIGNATED STOCKPILE 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	CY	2,553	\$2.95	\$7,531.35	\$5.00	\$12,765.00	\$3.00	\$7,659.00
11.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,095	\$0.10	\$109.50	\$1.00	\$1,095.00	\$0.25	\$273.75
12.	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION AND REMOVAL, (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
13.	STORM WATER POLLUTION PREVENTION PLAN, INCLUDES CONTRACTOR'S BOOKLET NOI & NOT, COMPLETE IN PLACE	LS	1	\$1,417.81	\$1,417.81	\$1,500.00	\$1,500.00	\$6,000.00	\$6,000.00
14.	STAGE II INLET PROTECTION BARRIER ON EXISTING INLET (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	2	\$55.00	\$110.00	\$5.00	\$10.00	\$50.00	\$100.00

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ITEM	DESCRIPTION	UNIT	QTY	1) FELLARS & CLARK, L.P.		2) TEXASITE, LLC		3) CROSTEX CONSTRUCTION, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
15.	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	\$6,256.00	\$6,256.00	\$6,256.00	\$6,256.00	\$10,572.20	\$10,572.20
16.	CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$110.00	\$110.00	\$300.00	\$300.00	\$500.00	\$500.00
17.	TEMPORARY V-BOTTOM SWALE AS SHOWN IN THE CONSTRUCTION PLANS, COMPLETE IN PLACE	LF	210	\$5.00	\$1,050.00	\$8.00	\$1,680.00	\$5.00	\$1,050.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$135,087.46	\$166,043.00	\$161,906.45		
MISCELLANEOUS ITEMS									
1.	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$505.00	\$505.00	\$200.00	\$200.00	\$200.00	\$200.00
2.	STORMWATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$1,680.00	\$1,680.00	\$1,200.00	\$1,200.00	\$1,000.00	\$1,000.00
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					\$2,185.00	\$1,400.00	\$1,200.00		
ALTERNATE BID NO. 1 ITEMS									
1.	EXCAVATION OF PEACH CREEK CHANNEL IMPROVEMENTS, INCLUDES HAULING TO SPOIL / FILL SITE WITHIN 2 MILES OF SITE, SITE PREP, PLACEMENT IN MAX 8-INCH LIFTS, MANIPULATION, STRIPPING OF EXCAVATION AREA PREVIOUSLY CLEARED, PROCTORING AND COMPACTION TO 95% STANDARD PROCTOR DENSITY AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	60,000	\$4.40	\$264,000.00	\$10.00	\$600,000.00	\$5.20	\$312,000.00
2.	METHOD "A" FULL CONSTRUCTION STAKING BY GBI SURVEY, OWNER ONLY TO PROVIDE LIMITED CONTROL	LS	1	\$3,200.00	\$3,200.00	\$3,200.00	\$3,200.00	\$4,000.00	\$4,000.00
SUBTOTAL ALTERNATE BID NO. 1 ITEMS					\$267,200.00	\$603,200.00	\$316,000.00		
ALTERNATE BID NO. 2 ITEMS									
1.	EXCAVATION OF PEACH CREEK CHANNEL IMPROVEMENTS, INCLUDES HAULING TO SPOIL / FILL SITE WITHIN 2 MILES OF SITE, SITE PREP, PLACEMENT IN MAX 8-INCH LIFTS, MANIPULATION, STRIPPING OF EXCAVATION AREA PREVIOUSLY CLEARED, PROCTORING AND COMPACTION TO 95% STANDARD PROCTOR DENSITY AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	167,000	\$4.10	\$684,700.00	\$9.00	\$1,503,000.00	\$4.60	\$768,200.00
2.	METHOD "A" FULL CONSTRUCTION STAKING BY GBI SURVEY, OWNER ONLY TO PROVIDE LIMITED CONTROL	LS	1	\$4,400.00	\$4,400.00	\$4,400.00	\$4,400.00	\$4,800.00	\$4,800.00
SUBTOTAL ALTERNATE BID NO. 2 ITEMS					\$689,100.00	\$1,507,400.00	\$773,000.00		
BID SUMMARY									
SUBTOTAL WATER ITEMS					\$64,177.69	\$57,975.00	\$79,524.40		
SUBTOTAL SANITARY SEWER ITEMS					\$178,499.85	\$168,740.15	\$163,369.15		
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$135,087.46	\$166,043.00	\$161,906.45		
SUBTOTAL MISCELLANEOUS ITEMS					\$2,185.00	\$1,400.00	\$1,200.00		
TOTAL AMOUNT BID					\$379,950.00	\$394,158.15	\$406,000.00		

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			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<u>ALTERNATE BID NO. 1</u>								
TOTAL AMOUNT BID				\$379,950.00		\$394,158.15		\$406,000.00 *
SUBTOTAL ALTERNATE BID NO. 1 ITEMS				\$267,200.00		\$603,200.00		\$316,000.00
TOTAL AMOUNT BID INCLUDING ALTERNATE BID NO. 1				\$647,150.00		\$997,358.15		\$722,000.00 *
<u>ALTERNATE BID NO. 2</u>								
TOTAL AMOUNT BID				\$379,950.00		\$994,158.15		\$406,000.00 *
SUBTOTAL ALTERNATE BID NO. 2 ITEMS				\$689,100.00		\$1,507,400.00		\$773,000.00
TOTAL AMOUNT BID INCLUDING ALTERNATE BID NO. 2				\$1,069,050.00		\$1,901,558.15		\$1,179,000.00

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ITEM	DESCRIPTION	UNIT	QTY	4) BLAZEY CONSTRUCTION SERVICES, LLC		5) C.E. BARKER, LTD.		6) PRINCIPAL SERVICES, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
WATER ITEMS									
1.	6" P.V.C. WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	266	\$21.00	\$5,586.00	\$17.39	\$4,625.74	\$25.00	\$6,650.00
2.	8" P.V.C. WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	395	\$25.00	\$9,875.00	\$21.88	\$8,642.60	\$32.00	\$12,640.00
3.	8" DUCTILE IRON PIPE, COMPLETE IN PLACE	LF	60	\$40.00	\$2,400.00	\$59.23	\$3,553.80	\$66.00	\$3,960.00
4.	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD AND FIRE HYDRANT AND TRENCH SAFETY, COMPLETE IN PLACE	EA	3	\$2,281.00	\$6,843.00	\$4,913.06	\$14,739.18	\$3,900.00	\$11,700.00
5.	6" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	2	\$770.00	\$1,540.00	\$913.39	\$1,826.78	\$800.00	\$1,600.00
6.	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	6	\$1,094.00	\$6,564.00	\$1,253.28	\$7,519.68	\$1,000.00	\$6,000.00
7.	CAST IRON FITTINGS, COMPLETE IN PLACE	TON	0.94	\$1,585.00	\$1,489.90	\$1,752.16	\$1,647.03	\$3,000.00	\$2,820.00
8.	6" P.V.C. WATER PIPE, C-900, DR-14, CLASS 305, RESTRAINED JOINT, ALL DEPTHS, COMPLETE IN PLACE	LF	96	\$32.00	\$3,072.00	\$29.91	\$2,871.36	\$57.00	\$5,472.00
9.	8" P.V.C. WATER PIPE, C-900, DR-14, CLASS 305, RESTRAINED JOINT, ALL DEPTHS, COMPLETE IN PLACE	LF	686	\$37.00	\$25,382.00	\$36.31	\$24,908.66	\$67.00	\$45,962.00
10.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,573	\$0.30	\$471.90	\$0.01	\$15.73	\$0.10	\$157.30
11.	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	2	\$244.00	\$488.00	\$283.94	\$567.88	\$300.00	\$600.00
12.	2" BLOW OFF ASSEMBLY IN BOX, COMPLETE IN PLACE	EA	2	\$0.00	\$0.00	\$368.60	\$737.20	\$1,000.00	\$2,000.00
13.	REMOVE 8" PLUG AND CLAMP AND 2" BLOW OFF VALVE AND BOX AND CONNECT PROPOSED 8" WATER LINE, COMPLETE IN PLACE	EA	1	\$92.00	\$92.00	\$916.85	\$916.85	\$300.00	\$300.00
SUBTOTAL WATER ITEMS					\$63,803.80		\$72,572.49		\$99,861.30
SANITARY SEWER ITEMS									
1.	8" P.V.C. GREEN SEWER PIPE, C-900, DR 18, 0'-8" CUT, CL-235, COMPLETE IN PLACE	LF	1,721	\$36.00	\$61,956.00	\$29.65	\$51,027.65	\$33.00	\$56,793.00
2.	8" P.V.C. GREEN SEWER PIPE, ASTM-2241, SDR26, 0'-8" CUT, COMPLETE IN PLACE	LF	642	\$34.00	\$21,828.00	\$25.60	\$16,435.20	\$32.00	\$20,544.00
3.	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), INCLUDES INFLOW PREVENTER, COMPLETE IN PLACE	EA	20	\$2,250.00	\$45,000.00	\$2,576.42	\$51,528.40	\$1,900.00	\$38,000.00
4.	LONG SIDE DOUBLE OR SINGLE 6" OR 8" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, CLASS 160, ALL DEPTHS, INCLUDING DROP STRUCTURE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, AND TRENCH SAFETY, ETC., COMPLETE IN PLACE	LF	220	\$58.00	\$12,760.00	\$51.93	\$11,424.60	\$47.00	\$10,340.00
5.	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, CLASS 160, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, TRENCH SAFETY, DROP STRUCTURE, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	17	\$1,378.00	\$23,426.00	\$1,512.97	\$25,720.49	\$1,400.00	\$23,800.00
6.	T.V. INSPECTION OF SANITARY SEWER LINES, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	2,363	\$2.10	\$4,962.30	\$0.79	\$1,866.77	\$2.50	\$5,907.50
7.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2,363	\$0.30	\$708.90	\$0.01	\$23.63	\$0.10	\$236.30

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LJA JOB NO.

CONSTRUCTION OF THE WATER, SANITARY SEWER & DRAINAGE FACILITIES
 TO SERVE TAVOLA SECTION 22
 EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 6
 CITY OF HOUSTON E.T.J., MONTGOMERY COUNTY, TEXAS
 FEBRUARY 8, 2019
 LJA ENGINEERING, INC.
 C. DURHAM
 FEBRUARY 8, 2019
 6966-1222 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) BLAZEY CONSTRUCTION SERVICES, LLC		5) C.E. BARKER, LTD.		6) PRINCIPAL SERVICES, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8.	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
9.	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	\$15.00	\$7,500.00	\$12.00	\$6,000.00	\$12.00	\$6,000.00
10.	CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER, INCLUDES ALL NECESSARY CONNECTORS, ADAPTERS AND FITTINGS, COMPLETE IN PLACE	EA	2	\$1,400.00	\$2,800.00	\$1,555.25	\$3,110.50	\$1,500.00	\$3,000.00
SUBTOTAL SANITARY SEWER ITEMS					\$190,941.20		\$177,137.24		\$174,620.80
DRAINAGE FACILITIES ITEMS									
1.	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	227	\$58.00	\$13,166.00	\$67.12	\$15,236.24	\$71.00	\$16,117.00
2.	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	832	\$73.00	\$60,736.00	\$88.15	\$73,340.80	\$89.00	\$74,048.00
3.	30" HDPE STORM SEWER, ASTM C-76 CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	36	\$75.00	\$2,700.00	\$78.16	\$2,813.76	\$78.00	\$2,808.00
4.	STAGE I - STANDARD 5' PRECAST INLET ("H-2"), (INCLUDES TEMPORARY SAND FILLED BURLAP BAGS FOR EROSION AND SEDIMENT CONTROL), COMPLETE IN PLACE	EA	7	\$1,225.00	\$8,575.00	\$1,711.20	\$11,978.40	\$1,800.00	\$12,600.00
5.	STAGE II - STANDARD 5' PRECAST INLET ("H-2"), (INCLUDES TEMPORARY SAND-FILLED BURLAP BAGS FOR EROSION AND SEDIMENT CONTROL), COMPLETE IN PLACE	EA	7	\$1,190.00	\$8,330.00	\$1,579.57	\$11,056.99	\$1,400.00	\$9,800.00
6.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	10	\$2,200.00	\$22,000.00	\$3,264.45	\$32,644.50	\$2,000.00	\$20,000.00
7.	DEWATERING, ALL SIZES, ALL DEPTHS, (THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$20.00	\$10,000.00
8.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING, (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
9.	8" BRICK WALL PLUG FOR STORM BOX, ALL SIZES, COMPLETE IN PLACE	EA	1	\$170.00	\$170.00	\$394.89	\$394.89	\$500.00	\$500.00
10.	WATER, SANITARY SEWER, AND STORM SEWER UTILITY SPOIL TO BE HAULED TO A DESIGNATED STOCKPILE 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	CY	2,553	\$12.00	\$30,636.00	\$3.29	\$8,399.37	\$3.00	\$7,659.00
11.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,095	\$0.30	\$328.50	\$0.01	\$10.95	\$0.10	\$109.50
12.	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION AND REMOVAL, (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	\$3,100.00	\$3,100.00
13.	STORM WATER POLLUTION PREVENTION PLAN, INCLUDES CONTRACTOR'S BOOKLET NOI & NOT, COMPLETE IN PLACE	LS	1	\$425.00	\$425.00	\$658.16	\$658.16	\$1,000.00	\$1,000.00
14.	STAGE II INLET PROTECTION BARRIER ON EXISTING INLET (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	2	\$90.00	\$180.00	\$78.98	\$157.96	\$40.00	\$80.00

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 TO SERVE TAVOLA SECTION 22
 EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 6
 CITY OF HOUSTON E.T.J., MONTGOMERY COUNTY, TEXAS
 FEBRUARY 8, 2019
 LJA ENGINEERING, INC.
 C. DURHAM
 FEBRUARY 8, 2019
 6966-1222 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) BLAZEY CONSTRUCTION SERVICES, LLC		5) C.E. BARKER, LTD.		6) PRINCIPAL SERVICES, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
15.	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	\$6,256.00	\$6,256.00	\$6,256.00	\$6,256.00	\$6,256.00	\$6,256.00
16.	CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$566.00	\$566.00	\$1,316.31	\$1,316.31	\$350.00	\$350.00
17.	TEMPORARY V-BOTTOM SWALE AS SHOWN IN THE CONSTRUCTION PLANS, COMPLETE IN PLACE	LF	210	\$5.50	\$1,155.00	\$8.23	\$1,728.30	\$15.00	\$3,150.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$172,723.50		\$183,492.63		\$173,577.50
MISCELLANEOUS ITEMS									
1.	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$170.00	\$170.00	\$822.69	\$822.69	\$1,500.00	\$1,500.00
2.	STORMWATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$550.00	\$550.00	\$658.16	\$658.16	\$1,000.00	\$1,000.00
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					\$720.00		\$1,480.85		\$2,500.00
ALTERNATE BID NO. 1 ITEMS									
1.	EXCAVATION OF PEACH CREEK CHANNEL IMPROVEMENTS, INCLUDES HAULING TO SPOIL / FILL SITE WITHIN 2 MILES OF SITE, SITE PREP, PLACEMENT IN MAX 8-INCH LIFTS, MANIPULATION, STRIPPING OF EXCAVATION AREA PREVIOUSLY CLEARED, PROCTORING AND COMPACTION TO 95% STANDARD PROCTOR DENSITY AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	60,000	\$4.95	\$297,000.00	\$5.27	\$316,200.00	\$4.75	\$285,000.00
2.	METHOD "A" FULL CONSTRUCTION STAKING BY GBI SURVEY, OWNER ONLY TO PROVIDE LIMITED CONTROL	LS	1	\$3,200.00	\$3,200.00	\$3,200.00	\$3,200.00	\$4,000.00	\$4,000.00
SUBTOTAL ALTERNATE BID NO. 1 ITEMS					\$300,200.00		\$319,400.00		\$289,000.00
ALTERNATE BID NO. 2 ITEMS									
1.	EXCAVATION OF PEACH CREEK CHANNEL IMPROVEMENTS, INCLUDES HAULING TO SPOIL / FILL SITE WITHIN 2 MILES OF SITE, SITE PREP, PLACEMENT IN MAX 8-INCH LIFTS, MANIPULATION, STRIPPING OF EXCAVATION AREA PREVIOUSLY CLEARED, PROCTORING AND COMPACTION TO 95% STANDARD PROCTOR DENSITY AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	167,000	\$4.60	\$768,200.00	\$4.68	\$781,560.00	\$4.40	\$734,800.00
2.	METHOD "A" FULL CONSTRUCTION STAKING BY GBI SURVEY, OWNER ONLY TO PROVIDE LIMITED CONTROL	LS	1	\$4,400.00	\$4,400.00	\$4,400.00	\$4,400.00	\$4,000.00	\$4,000.00
SUBTOTAL ALTERNATE BID NO. 2 ITEMS					\$772,600.00		\$785,960.00		\$738,800.00
BID SUMMARY									
SUBTOTAL WATER ITEMS					\$63,803.80		\$72,572.49		\$99,861.30
SUBTOTAL SANITARY SEWER ITEMS					\$190,941.20		\$177,137.24		\$174,620.80
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$172,723.50		\$183,492.63		\$173,577.50
SUBTOTAL MISCELLANEOUS ITEMS					\$720.00		\$1,480.85		\$2,500.00
TOTAL AMOUNT BID					\$428,188.50		\$434,683.21		\$450,559.60

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ITEM DESCRIPTION	UNIT	QTY	4) BLAZEY CONSTRUCTION SERVICES, LLC		5) C.E. BARKER, LTD.		6) PRINCIPAL SERVICES, LTD.	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<u>ALTERNATE BID NO. 1</u>								
TOTAL AMOUNT BID				\$428,188.50 *		\$434,683.21		\$450,559.60
SUBTOTAL ALTERNATE BID NO. 1 ITEMS				\$300,200.00		\$319,400.00 *		\$289,000.00
TOTAL AMOUNT BID INCLUDING ALTERNATE BID NO. 1				\$728,388.50 *		\$754,083.21 *		\$739,559.60
<u>ALTERNATE BID NO. 2</u>								
TOTAL AMOUNT BID				\$428,188.50 *		\$434,683.21		\$450,559.60
SUBTOTAL ALTERNATE BID NO. 2 ITEMS				\$772,600.00		\$785,960.00		\$738,800.00
TOTAL AMOUNT BID INCLUDING ALTERNATE BID NO. 2				\$1,200,788.50 *		\$1,220,643.21		\$1,189,359.60