

**BID TABULATION FOR:**

CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
TO SERVE WOODTRACE SECTION TWELVE  
WOOD TRACE MUNICIPAL UTILITY DISTRICT  
MONTGOMERY COUNTY, TEXAS  
APRIL 25, 2019  
LJA ENGINEERING, INC.  
S. ROSS  
APRIL 25, 2019  
0389-1721 (9.2)

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

BIDDER'S NAME	TOTAL BID AMOUNT
1) PRINCIPAL SERVICES, LTD.	\$623,752.40
2) C.E. BARKER, LTD.	\$629,027.24
3) SENDERO INDUSTRIES, INC.	\$635,221.26
4) KENNETH LAMB CONSTRUCTION CO., LTD.	\$660,929.30
5) AR TURNKEE CONSTRUCTION CO., INC.	\$664,693.15
6) BLAZEY CONSTRUCTION SERVICES, LLC	\$665,975.00
7) BAY UTILITIES, LLC	\$677,279.30
8) CROSTEX CONSTRUCTION, INC.	\$681,000.00

CALENDAR DAYS - 40/50



I, Mark H. Swanson, P.E., hereby certify these bid tabulations to be true and correct.

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 LJA ENGINEERING, INC.  
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 0389-1721 (9.2)

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ITEM	DESCRIPTION	UNIT	QTY	1) PRINCIPAL SERVICES, LTD.		2) C.E. BARKER, LTD.		3) SENDERO INDUSTRIES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>WATER ITEMS</b>									
1.	8" PVC RESTRAINED JOINT WATER PIPE, AWWA C-900, DR 14, CLASS 305, ALL DEPTHS, INCLUDES RESTRAINED JOINT FITTINGS, (TEES, BENDS, ETC.), COMPLETE IN PLACE	LF	12	\$55.00	\$660.00	\$53.09	\$637.08	\$60.00	\$720.00
2.	12" PVC WATER PIPE, AWWA C-235, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS (TEES, BENDS, ETC.), COMPLETE IN PLACE	LF	1274	\$29.00	\$36,946.00	\$27.60	\$35,162.40	\$26.00	\$33,124.00
3.	8" PVC WATER PIPE, AWWA C-235, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS (TEES BENDS, ETC.), COMPLETE IN PLACE	LF	1390	\$22.00	\$30,580.00	\$18.02	\$25,047.80	\$21.00	\$29,190.00
4.	FLUSHING VALVE, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD, TRENCH SAFETY, THRUST BLOCK, RESTRAINED JOINT FITTINGS, AND FIRE HYDRANT, COMPLETE IN PLACE	EA	6	\$3,100.00	\$18,600.00	\$3,674.89	\$22,049.34	\$3,410.00	\$20,460.00
5.	12" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	4	\$1,700.00	\$6,800.00	\$2,170.37	\$8,681.48	\$1,936.00	\$7,744.00
6.	8" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	3	\$900.00	\$2,700.00	\$1,061.41	\$3,184.23	\$1,015.00	\$3,045.00
7.	12" PLUG AND CLAMP WITH 2" BLOW OFF VALVE ASSEMBLY AND BOX, COMPLETE IN PLACE	EA	1	\$900.00	\$900.00	\$315.92	\$315.92	\$945.00	\$945.00
8.	8" PLUG AND CLAMP WITH 2" BLOW OFF VALVE ASSEMBLY AND BOX, COMPLETE IN PLACE	EA	1	\$800.00	\$800.00	\$260.88	\$260.88	\$1,625.00	\$1,625.00
9.	ADDITIONAL COST TO BORE & JACK 12" PVC WATER LINE, PIPE NOT INCLUDED, COMPLETE IN PLACE	LF	42	\$150.00	\$6,300.00	\$74.62	\$3,134.04	\$35.00	\$1,470.00
10.	INSTALL 12" X 12" TEE ON EXISTING 12" WATER LINE, INCLUDES ANY NECESSARY REMOVAL, REPLACEMENT, AND DISPOSAL OF EXISTING 12" WATER LINE IN ORDER TO INSTALL PROPOSED 12" WATER LINE, COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$2,138.03	\$2,138.03	\$1,680.00	\$1,680.00
11.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2646	\$0.10	\$264.60	\$0.12	\$317.52	\$0.01	\$26.46
<b>SUBTOTAL WATER ITEMS</b>					<b>\$106,550.60</b>		<b>\$100,928.72</b>		<b>\$100,029.46</b>
<b>SANITARY SEWER ITEMS</b>									
1.	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8' - 12' CUT, COMPLETE IN PLACE	LF	171	\$25.00	\$4,275.00	\$22.60	\$3,864.60	\$23.00	\$3,933.00
2.	8" PVC SEWER PIPE, AWWA C-900, DR 18, 12' - 16', COMPLETE IN PLACE	LF	610	\$32.00	\$19,520.00	\$34.09	\$20,794.90	\$30.00	\$18,300.00
3.	8" PVC SEWER PIPE, AWWA C-900, DR-18, 16' - 20' CUT, COMPLETE IN PLACE	LF	30	\$35.00	\$1,050.00	\$47.04	\$1,411.20	\$45.00	\$1,350.00
4.	STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (8' DEPTH), INCLUDES STAINLESS STEEL INFLOW PROTECTORS, COMPLETE IN PLACE	EA	8	\$2,420.00	\$19,360.00	\$2,189.34	\$17,514.72	\$2,305.00	\$18,440.00
5.	EXTRA DEPTH OF SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	42	\$145.00	\$6,090.00	\$140.36	\$5,895.12	\$125.00	\$5,250.00
6.	8" STANDARD SANITARY SEWER DROP AT MANHOLE, COMPLETE IN PLACE	EA	1	\$1,300.00	\$1,300.00	\$1,782.46	\$1,782.46	\$1,145.00	\$1,145.00
7.	6" LEAD STANDARD SANITARY SEWER DROP AT MANHOLE, COMPLETE IN PLACE	EA	4	\$400.00	\$1,600.00	\$1,118.62	\$4,474.48	\$215.00	\$860.00
8.	EXTRA DEPTH FOR ALL SANITARY DROP STRUCTURES AT MANHOLE (OVER 3' DEPTH), ALL SIZES, COMPLETE IN PLACE	VF	17	\$30.00	\$510.00	\$45.86	\$779.62	\$8.00	\$136.00
9.	"LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26/PR 160, ALL DEPTHS, INCLUDING PIPE, TRENCH SAFETY, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	860	\$41.00	\$35,260.00	\$39.22	\$33,729.20	\$34.00	\$29,240.00
10.	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR26/PR160, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, TRENCH SAFETY, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	5	\$1,200.00	\$6,000.00	\$473.89	\$2,369.45	\$1,089.00	\$5,445.00
11.	SANITARY STACKS, ALL DEPTHS, COMPLETE IN PLACE	EA	13	\$470.00	\$6,110.00	\$589.08	\$7,658.04	\$133.00	\$1,729.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12.	ADDITIONAL COST TO CONNECT SANITARY STACK TO EXISTING SANITARY SEWER, COMPLETE IN PLACE	EA	5	\$800.00	\$4,000.00	\$354.84	\$1,774.20	\$57.00	\$285.00
13.	CORE INTO EXISTING MANHOLE & CONNECT PROPOSED SANITARY SEWER, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	EA	4	\$1,000.00	\$4,000.00	\$1,285.13	\$5,140.52	\$800.00	\$3,200.00
14.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	811	\$0.10	\$81.10	\$0.12	\$97.32	\$0.01	\$8.11
<b>SUBTOTAL SANITARY SEWER ITEMS</b>					<b>\$109,156.10</b>		<b>\$107,285.83</b>		<b>\$89,321.11</b>
<b>DRAINAGE FACILITIES ITEMS</b>									
1.	18" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	109	\$51.00	\$5,559.00	\$48.96	\$5,336.64	\$65.00	\$7,085.00
2.	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	1620	\$55.00	\$89,100.00	\$61.49	\$99,613.80	\$74.00	\$119,880.00
3.	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	387	\$69.00	\$26,703.00	\$79.62	\$30,812.94	\$85.00	\$32,895.00
4.	STAGE I - STANDARD 5' REINFORCED CONCRETE PRECAST INLET ("H-2") ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	13	\$1,100.00	\$14,300.00	\$1,301.07	\$16,913.91	\$1,800.00	\$23,400.00
5.	STAGE II - STANDARD 5' REINFORCED CONCRETE PRECAST OR REINFORCED CONCRETE CAST-IN PLACE INLET ("H-2"), COMPLETE IN PLACE	EA	13	\$1,300.00	\$16,900.00	\$1,182.79	\$15,376.27	\$695.00	\$9,035.00
6.	STAGE I - TYPE "C-1" REINFORCED CONCRETE PRECAST INLET (10' MINIMUM INSIDE OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	4	\$1,300.00	\$5,200.00	\$1,419.35	\$5,677.40	\$2,550.00	\$10,200.00
7.	STAGE II - TYPE "C-1" REINFORCED CONCRETE PRECAST OR REINFORCED CONCRETE CAST-IN-PLACE INLET (10' MINIMUM INSIDE OPENING), COMPLETE IN PLACE	EA	4	\$1,700.00	\$6,800.00	\$1,301.07	\$5,204.28	\$695.00	\$2,780.00
8.	STAGE I - TYPE "C-2" REINFORCED CONCRETE COST IN PLACE INLET (15' MINIMUM INSIDE OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	1	\$1,300.00	\$1,300.00	\$1,478.49	\$1,478.49	\$2,975.00	\$2,975.00
9.	STAGE II - TYPE "C-2" REINFORCED CONCRETE CAST IN PLACE INLET (15' MINIMUM INSIDE OPENING), COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,833.33	\$1,833.33	\$395.00	\$395.00
10.	TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	17	\$2,100.00	\$35,700.00	\$2,344.70	\$39,859.90	\$2,220.00	\$37,740.00
11.	TYPE "E" REINFORCED CONCRETE PRECAST INLET (OPEN ON ALL SIDES), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR INLET, COMPLETE IN PLACE	EA	4	\$2,800.00	\$11,200.00	\$2,483.85	\$9,935.40	\$2,635.00	\$10,540.00
12.	TYPE "C" MANHOLE WITH MODIFIED TYPE "A" GRATE INLET TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,100.00	\$2,100.00	\$2,897.83	\$2,897.83	\$2,025.00	\$2,025.00
13.	EXCAVATION OF EXTREME EVENT SWALE, BOTTOM WIDTH VARIES, 4:1 Side slopes, COMPLETE IN PLACE	LF	451	\$7.50	\$3,382.50	\$7.07	\$3,188.57	\$3.50	\$1,578.50
14.	REGRADE EXISTING ROADSIDE DITCH TO PROPOSED 18" CULVERT, COMPLETE IN PLACE	LF	32	\$15.00	\$480.00	\$6.13	\$196.16	\$1.50	\$48.00
15.	SAFETY END TREATMENT FOR 18" RCP CULVERT (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	2	\$1,600.00	\$3,200.00	\$1,814.40	\$3,628.80	\$1,055.00	\$2,110.00
16.	4" CONCRETE SLOPE PAVEMENT FOR OUTFALLS, COMPLETE IN PLACE	SY	230	\$92.00	\$21,160.00	\$88.71	\$20,403.30	\$96.00	\$22,080.00
17.	RIP RAP (24-INCH THICKNESS) GRADATION NO. 2, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	38	\$86.00	\$3,268.00	\$109.41	\$4,157.58	\$103.00	\$3,914.00
18.	ALLOWANCE TO INSTALL GREEN ARMOR 7010 ON SIDE SLOPES IN RESERVE "B" EAST OF WALNUT PARK LANE RIGHT OF WAY, TO CONTROL SEDIMENT RUNOFF TO JURISDICTIONAL WATERS, CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	2398	\$15.35	\$36,809.30	\$15.35	\$36,809.30	\$15.35	\$36,809.30

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ITEM	DESCRIPTION	UNIT	QTY	1) PRINCIPAL SERVICES, LTD.		2) C.E. BARKER, LTD.		3) SENDERO INDUSTRIES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
19.	ALLOWANCE TO ADD SOIL AMENDMENTS (ONLY AS DIRECTED BY THE ENGINEER), CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR SOIL TESTING, MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	2398	\$2.50	\$5,995.00	\$2.50	\$5,995.00	\$2.50	\$5,995.00
20.	ALLOWANCE TO INSTALL GREEN ARMOR 7010 ON SIDE SLOPES OF GOODSON DRY DETENTION DAM AT WOODTRACE BOULEVARD, INCLUDES UPSTREAM AND DOWNSTREAM SIDES OF DAM, TO ACT AS REVETMENT FOR GOODSON DRY DETENTION DAM, CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	4200	\$15.35	\$64,470.00	\$15.35	\$64,470.00	\$15.35	\$64,470.00
21.	ALLOWANCE TO ADD SOIL AMENDMENTS (ONLY AS DIRECTED BY ENGINEER) ALONG UPSTREAM AND DOWNSTREAM SIDE SLOPES OF GOODSON DRY DETENTION DAM, CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR SOIL TESTING, MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	4200	\$2.50	\$10,500.00	\$2.50	\$10,500.00	\$2.50	\$10,500.00
22.	TYPE II ROCK FILTER DAM, 24 INCH, COMPLETE IN PLACE	EA	3	\$1,500.00	\$4,500.00	\$2,365.57	\$7,096.71	\$700.00	\$2,100.00
23.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2089	\$0.10	\$208.90	\$0.12	\$250.68	\$0.01	\$20.89
<b>SUBTOTAL DRAINAGE FACILITIES ITEMS</b>					<b>\$370,835.70</b>	<b>\$391,636.29</b>	<b>\$408,575.69</b>		
<b>MISCELLANEOUS ITEMS</b>									
1.	EXTRA CEMENT STABILIZED SAND BACKFILL, (2 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	10	\$15.00	\$150.00	\$15.00	\$150.00	\$15.00	\$150.00
2.	EXTRA COST OF SANITARY SEWER WET SAND CONSTRUCTION AS PER CITY OF HOUSTON DRAWING NO. 02317-01 OR 02317-02, 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
3.	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER CITY OF HOUSTON DRAWING NO. 02317-02, 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
4.	EXTRA COST OF WET SAND CONSTRUCTION UNDER MANHOLE AS PER CITY OF HOUSTON DRAWING NO. 02082-05 (EFFECTIVE DATE ON OCTOBER 1, 2002 OR LATEST DETAIL), 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	\$50.00	\$50.00
5.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF UTILITY LINES, ALL LINE SIZES AND DEPTHS, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (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	\$20.00	\$10,000.00
6.	UTILITY SPOILS, TO BE PLACED AND COMPACTED IN WOODTRACE SECTION TWELVE LOTS 11-15 & 17-18, BLOCK 2, INCLUDES STRIPPING, STOCK PILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$9,000.00	\$9,000.00	\$3,540.21	\$3,540.21	\$7,225.00	\$7,225.00
7.	EXTRA DUCTILE IRON FITTINGS, COMPLETE IN PLACE	TON	1	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
8.	EXTRA REINFORCED FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	200	\$1.00	\$200.00	\$1.00	\$200.00	\$1.25	\$250.00
9.	EXTRA SILT FENCE INLET PROTECTION BARRIER, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
10.	EXTRA CLEARING AND GRUBBING INCLUDES HAULING OFF MATERIAL TO AN EPA APPROVED DISPOSAL SITE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	1	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
11.	HYDROMULCH SEEDING OF SWALES AND OUTFALLS, COMPLETE IN PLACE	LS	1	\$1,300.00	\$1,300.00	\$1,450.00	\$1,450.00	\$1,475.00	\$1,475.00

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12.	SURFACE WATER CONTROL AND PUMPING, INCLUDES ALL PUMPING TO COMPLETE PROJECT, COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$1.00	\$1.00	\$500.00	\$500.00
13.	INSTALLATION, MAINTENANCE, AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,774.19	\$1,774.19	\$4,500.00	\$4,500.00
14.	STORM WATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$1.00	\$1.00	\$1,135.00	\$1,135.00
15.	ADJUSTMENT TO EXISTING MANHOLES TO NEW FINISHED GRADE, INCLUDES LABOR AND MATERIALS FOR ALL WORK ON STORM AND SANITARY MANHOLES, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00
<b>SUBTOTAL MISCELLANEOUS ITEMS</b>					<b>\$37,210.00</b>	<b>\$37,210.00</b>	<b>\$29,176.40</b>	<b>\$29,176.40</b>	<b>\$37,295.00</b>
<b>BID SUMMARY</b>									
SUBTOTAL WATER ITEMS					\$106,550.60	\$106,550.60	\$100,928.72	\$100,928.72	\$100,029.46
SUBTOTAL SANITARY SEWER ITEMS					\$109,156.10	\$109,156.10	\$107,285.83	\$107,285.83	\$89,321.11
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$370,835.70	\$370,835.70	\$391,636.29	\$391,636.29	\$408,575.69
SUBTOTAL MISCELLANEOUS ITEMS					\$37,210.00	\$37,210.00	\$29,176.40	\$29,176.40	\$37,295.00
<b>TOTAL AMOUNT BID</b>					<b>\$623,752.40</b>	<b>\$623,752.40</b>	<b>\$629,027.24</b>	<b>\$629,027.24</b>	<b>\$635,221.26</b>

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 APRIL 25, 2019  
 0389-1721 (9.2)

ITEM DESCRIPTION	UNIT	QTY	4) KENNETH LAMB CONSTRUCTION CO., LTD.		5) AR TURNKEE CONSTRUCTION CO., INC.		6) BLAZEY CONSTRUCTION SERVICES, LLC		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>WATER ITEMS</b>									
1. 8" PVC RESTRAINED JOINT WATER PIPE, AWWA C-900, DR 14, CLASS 305, ALL DEPTHS, INCLUDES RESTRAINED JOINT FITTINGS, (TEES, BENDS, ETC.), COMPLETE IN PLACE	LF	12	\$77.00	\$924.00	\$100.00	\$1,200.00	\$53.00	\$636.00	
2. 12" PVC WATER PIPE, AWWA C-235, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS (TEES, BENDS, ETC.), COMPLETE IN PLACE	LF	1274	\$36.00	\$45,864.00	\$34.25	\$43,634.50	\$31.00	\$39,494.00	
3. 8" PVC WATER PIPE, AWWA C-235, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS (TEES BENDS, ETC.), COMPLETE IN PLACE	LF	1390	\$24.00	\$33,360.00	\$25.50	\$35,445.00	\$21.00	\$29,190.00	
4. FLUSHING VALVE, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD, TRENCH SAFETY, THRUST BLOCK, RESTRAINED JOINT FITTINGS, AND FIRE HYDRANT, COMPLETE IN PLACE	EA	6	\$3,400.00	\$20,400.00	\$3,400.00	\$20,400.00	\$3,440.00	\$20,640.00	
5. 12" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	4	\$2,000.00	\$8,000.00	\$2,200.00	\$8,800.00	\$1,953.00	\$7,812.00	
6. 8" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	3	\$1,102.00	\$3,306.00	\$1,250.00	\$3,750.00	\$1,002.00	\$3,006.00	
7. 12" PLUG AND CLAMP WITH 2" BLOW OFF VALVE ASSEMBLY AND BOX, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$900.00	\$900.00	\$383.00	\$383.00	
8. 8" PLUG AND CLAMP WITH 2" BLOW OFF VALVE ASSEMBLY AND BOX, COMPLETE IN PLACE	EA	1	\$1,200.00	\$1,200.00	\$850.00	\$850.00	\$337.00	\$337.00	
9. ADDITIONAL COST TO BORE & JACK 12" PVC WATER LINE, PIPE NOT INCLUDED, COMPLETE IN PLACE	LF	42	\$50.00	\$2,100.00	\$65.00	\$2,730.00	\$93.00	\$3,906.00	
10. INSTALL 12" X 12" TEE ON EXISTING 12" WATER LINE, INCLUDES ANY NECESSARY REMOVAL, REPLACEMENT, AND DISPOSAL OF EXISTING 12" WATER LINE IN ORDER TO INSTALL PROPOSED 12" WATER LINE, COMPLETE IN PLACE	LS	1	\$6,500.00	\$6,500.00	\$4,100.00	\$4,100.00	\$2,988.00	\$2,988.00	
11. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2646	\$2.00	\$5,292.00	\$0.10	\$264.60	\$0.30	\$793.80	
<b>SUBTOTAL WATER ITEMS</b>				<b>\$128,446.00</b>		<b>\$122,074.10</b>		<b>\$109,185.80</b>	
<b>SANITARY SEWER ITEMS</b>									
1. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8' - 12' CUT, COMPLETE IN PLACE	LF	171	\$32.00	\$5,472.00	\$28.75	\$4,916.25	\$32.00	\$5,472.00	
2. 8" PVC SEWER PIPE, AWWA C-900, DR 18, 12' - 16', COMPLETE IN PLACE	LF	610	\$41.00	\$25,010.00	\$35.50	\$21,655.00	\$43.00	\$26,230.00	
3. 8" PVC SEWER PIPE, AWWA C-900, DR-18, 16' - 20' CUT, COMPLETE IN PLACE	LF	30	\$45.00	\$1,350.00	\$120.00	\$3,600.00	\$122.00	\$3,660.00	
4. STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (8' DEPTH), INCLUDES STAINLESS STEEL INFLOW PROTECTORS, COMPLETE IN PLACE	EA	8	\$2,500.00	\$20,000.00	\$2,400.00	\$19,200.00	\$2,184.00	\$17,472.00	
5. EXTRA DEPTH OF SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	42	\$330.00	\$13,860.00	\$150.00	\$6,300.00	\$130.00	\$5,460.00	
6. 8" STANDARD SANITARY SEWER DROP AT MANHOLE, COMPLETE IN PLACE	EA	1	\$750.00	\$750.00	\$2,000.00	\$2,000.00	\$1,320.00	\$1,320.00	
7. 6" LEAD STANDARD SANITARY SEWER DROP AT MANHOLE, COMPLETE IN PLACE	EA	4	\$700.00	\$2,800.00	\$500.00	\$2,000.00	\$545.00	\$2,180.00	
8. EXTRA DEPTH FOR ALL SANITARY DROP STRUCTURES AT MANHOLE (OVER 3' DEPTH), ALL SIZES, COMPLETE IN PLACE	VF	17	\$50.00	\$850.00	\$50.00	\$850.00	\$18.00	\$306.00	
9. "LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26/PR 160, ALL DEPTHS, INCLUDING PIPE, TRENCH SAFETY, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	860	\$25.00	\$21,500.00	\$58.50	\$50,310.00	\$57.00	\$49,020.00	
10. "SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR26/PR160, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, TRENCH SAFETY, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	5	\$800.00	\$4,000.00	\$1,050.00	\$5,250.00	\$950.00	\$4,750.00	
11. SANITARY STACKS, ALL DEPTHS, COMPLETE IN PLACE	EA	13	\$800.00	\$10,400.00	\$350.00	\$4,550.00	\$475.00	\$6,175.00	

**BID TABULATION FOR:**

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

CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE WOODTRACE SECTION TWELVE  
 WOOD TRACE MUNICIPAL UTILITY DISTRICT  
 MONTGOMERY COUNTY, TEXAS  
 APRIL 25, 2019  
 LJA ENGINEERING, INC.  
 S. ROSS  
 APRIL 25, 2019  
 0389-1721 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) KENNETH LAMB CONSTRUCTION CO., LTD.		5) AR TURNKEE CONSTRUCTION CO., INC.		6) BLAZEY CONSTRUCTION SERVICES, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12.	ADDITIONAL COST TO CONNECT SANITARY STACK TO EXISTING SANITARY SEWER, COMPLETE IN PLACE	EA	5	\$300.00	\$1,500.00	\$1,020.00	\$5,100.00	\$1,165.00	\$5,825.00
13.	CORE INTO EXISTING MANHOLE & CONNECT PROPOSED SANITARY SEWER, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	EA	4	\$1,200.00	\$4,800.00	\$1,050.00	\$4,200.00	\$1,824.00	\$7,296.00
14.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	811	\$2.00	\$1,622.00	\$1.00	\$811.00	\$0.30	\$243.30
<b>SUBTOTAL SANITARY SEWER ITEMS</b>					<b>\$113,914.00</b>		<b>\$130,742.25</b>		<b>\$135,409.30</b>
<b>DRAINAGE FACILITIES ITEMS</b>									
1.	18" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	109	\$45.00	\$4,905.00	\$54.00	\$5,886.00	\$57.00	\$6,213.00
2.	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	1620	\$52.00	\$84,240.00	\$64.00	\$103,680.00	\$58.00	\$93,960.00
3.	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	387	\$66.00	\$25,542.00	\$87.50	\$33,862.50	\$72.00	\$27,864.00
4.	STAGE I - STANDARD 5' REINFORCED CONCRETE PRECAST INLET ("H-2") ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	13	\$1,200.00	\$15,600.00	\$800.00	\$10,400.00	\$1,111.00	\$14,443.00
5.	STAGE II - STANDARD 5' REINFORCED CONCRETE PRECAST OR REINFORCED CONCRETE CAST-IN PLACE INLET ("H-2"), COMPLETE IN PLACE	EA	13	\$1,400.00	\$18,200.00	\$1,090.00	\$14,170.00	\$1,280.00	\$16,640.00
6.	STAGE I - TYPE "C-1" REINFORCED CONCRETE PRECAST INLET (10' MINIMUM INSIDE OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	4	\$1,500.00	\$6,000.00	\$1,010.00	\$4,040.00	\$1,329.00	\$5,316.00
7.	STAGE II - TYPE "C-1" REINFORCED CONCRETE PRECAST OR REINFORCED CONCRETE CAST-IN-PLACE INLET (10' MINIMUM INSIDE OPENING), COMPLETE IN PLACE	EA	4	\$2,000.00	\$8,000.00	\$1,800.00	\$7,200.00	\$1,497.00	\$5,988.00
8.	STAGE I - TYPE "C-2" REINFORCED CONCRETE COST IN PLACE INLET (15' MINIMUM INSIDE OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,010.00	\$1,010.00	\$1,884.00	\$1,884.00
9.	STAGE II - TYPE "C-2" REINFORCED CONCRETE CAST IN PLACE INLET (15' MINIMUM INSIDE OPENING), COMPLETE IN PLACE	EA	1	\$3,000.00	\$3,000.00	\$2,080.00	\$2,080.00	\$1,715.00	\$1,715.00
10.	TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	17	\$2,500.00	\$42,500.00	\$1,940.00	\$32,980.00	\$2,385.00	\$40,545.00
11.	TYPE "E" REINFORCED CONCRETE PRECAST INLET (OPEN ON ALL SIDES), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR INLET, COMPLETE IN PLACE	EA	4	\$3,000.00	\$12,000.00	\$2,500.00	\$10,000.00	\$2,935.00	\$11,740.00
12.	TYPE "C" MANHOLE WITH MODIFIED TYPE "A" GRATE INLET TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,000.00	\$3,000.00	\$2,100.00	\$2,100.00	\$2,347.00	\$2,347.00
13.	EXCAVATION OF EXTREME EVENT SWALE, BOTTOM WIDTH VARIES, 4:1 Side slopes, COMPLETE IN PLACE	LF	451	\$10.00	\$4,510.00	\$5.00	\$2,255.00	\$2.20	\$992.20
14.	REGRADE EXISTING ROADSIDE DITCH TO PROPOSED 18" CULVERT, COMPLETE IN PLACE	LF	32	\$10.00	\$320.00	\$10.00	\$320.00	\$16.00	\$512.00
15.	SAFETY END TREATMENT FOR 18" RCP CULVERT (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	2	\$1,200.00	\$2,400.00	\$750.00	\$1,500.00	\$825.00	\$1,650.00
16.	4" CONCRETE SLOPE PAVEMENT FOR OUTFALLS, COMPLETE IN PLACE	SY	230	\$75.00	\$17,250.00	\$110.00	\$25,300.00	\$70.00	\$16,100.00
17.	RIP RAP (24-INCH THICKNESS) GRADATION NO. 2, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	38	\$80.00	\$3,040.00	\$65.00	\$2,470.00	\$87.00	\$3,306.00
18.	ALLOWANCE TO INSTALL GREEN ARMOR 7010 ON SIDE SLOPES IN RESERVE "B" EAST OF WALNUT PARK LANE RIGHT OF WAY, TO CONTROL SEDIMENT RUNOFF TO JURISDICTIONAL WATERS, CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	2398	\$15.35	\$36,809.30	\$15.35	\$36,809.30	\$16.72	\$40,094.56

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 TO SERVE WOODTRACE SECTION TWELVE  
 WOOD TRACE MUNICIPAL UTILITY DISTRICT  
 MONTGOMERY COUNTY, TEXAS  
 APRIL 25, 2019  
 LJA ENGINEERING, INC.  
 S. ROSS  
 APRIL 25, 2019  
 0389-1721 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) KENNETH LAMB CONSTRUCTION CO., LTD.		5) AR TURNKEE CONSTRUCTION CO., INC.		6) BLAZEY CONSTRUCTION SERVICES, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
19.	ALLOWANCE TO ADD SOIL AMENDMENTS (ONLY AS DIRECTED BY THE ENGINEER), CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR SOIL TESTING, MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	2398	\$2.50	\$5,995.00	\$2.50	\$5,995.00	\$2.75	\$6,594.50
20.	ALLOWANCE TO INSTALL GREEN ARMOR 7010 ON SIDE SLOPES OF GOODSON DRY DETENTION DAM AT WOODTRACE BOULEVARD, INCLUDES UPSTREAM AND DOWNSTREAM SIDES OF DAM, TO ACT AS REVETMENT FOR GOODSON DRY DETENTION DAM, CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	4200	\$15.35	\$64,470.00	\$15.35	\$64,470.00	\$16.72	\$70,224.00
21.	ALLOWANCE TO ADD SOIL AMENDMENTS (ONLY AS DIRECTED BY ENGINEER) ALONG UPSTREAM AND DOWNSTREAM SIDE SLOPES OF GOODSON DRY DETENTION DAM, CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR SOIL TESTING, MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	4200	\$2.50	\$10,500.00	\$2.50	\$10,500.00	\$2.75	\$11,550.00
22.	TYPE II ROCK FILTER DAM, 24 INCH, COMPLETE IN PLACE	EA	3	\$2,500.00	\$7,500.00	\$400.00	\$1,200.00	\$1,295.00	\$3,885.00
23.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2089	\$2.00	\$4,178.00	\$1.00	\$2,089.00	\$0.30	\$626.70
<b>SUBTOTAL DRAINAGE FACILITIES ITEMS</b>					<b>\$381,959.30</b>		<b>\$380,316.80</b>		<b>\$384,189.96</b>
<b>MISCELLANEOUS ITEMS</b>									
1.	EXTRA CEMENT STABILIZED SAND BACKFILL, (2 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	10	\$15.00	\$150.00	\$15.00	\$150.00	\$18.00	\$180.00
2.	EXTRA COST OF SANITARY SEWER WET SAND CONSTRUCTION AS PER CITY OF HOUSTON DRAWING NO. 02317-01 OR 02317-02, 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
3.	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER CITY OF HOUSTON DRAWING NO. 02317-02, 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
4.	EXTRA COST OF WET SAND CONSTRUCTION UNDER MANHOLE AS PER CITY OF HOUSTON DRAWING NO. 02092-05 (EFFECTIVE DATE ON OCTOBER 1, 2002 OR LATEST DETAIL), 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	\$50.00	\$50.00
5.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF UTILITY LINES, ALL LINE SIZES AND DEPTHS, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (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	\$20.00	\$10,000.00
6.	UTILITY SPOILS, TO BE PLACED AND COMPACTED IN WOODTRACE SECTION TWELVE LOTS 11-15 & 17-18, BLOCK 2, INCLUDES STRIPPING, STOCK PILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$12,000.00	\$12,000.00	\$5,000.00	\$5,000.00	\$5,649.94	\$5,649.94
7.	EXTRA DUCTILE IRON FITTINGS, COMPLETE IN PLACE	TON	1	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
8.	EXTRA REINFORCED FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	200	\$1.00	\$200.00	\$1.00	\$200.00	\$2.00	\$400.00
9.	EXTRA SILT FENCE INLET PROTECTION BARRIER, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
10.	EXTRA CLEARING AND GRUBBING INCLUDES HAULING OFF MATERIAL TO AN EPA APPROVED DISPOSAL SITE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	1	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
11.	HYDROMULCH SEEDING OF SWALES AND OUTFALLS, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$1,800.00	\$1,800.00	\$1,800.00	\$1,800.00



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CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE WOODTRACE SECTION TWELVE  
 WOOD TRACE MUNICIPAL UTILITY DISTRICT  
 MONTGOMERY COUNTY, TEXAS  
 APRIL 25, 2019  
 LJA ENGINEERING, INC.  
 S. ROSS  
 APRIL 25, 2019  
 0389-1721 (9.2)

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

4) KENNETH LAMB CONSTRUCTION CO., LTD.      5) AR TURNKEE CONSTRUCTION CO., INC.      6) BLAZEY CONSTRUCTION SERVICES, LLC

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12.	SURFACE WATER CONTROL AND PUMPING, INCLUDES ALL PUMPING TO COMPLETE PROJECT, COMPLETE IN PLACE	LS	1	\$100.00	\$100.00	\$1,000.00	\$1,000.00	\$5,000.00	\$5,000.00
13.	INSTALLATION, MAINTENANCE, AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$100.00	\$100.00	\$500.00	\$500.00	\$2,000.00	\$2,000.00
14.	STORM WATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$850.00	\$850.00	\$100.00	\$100.00
15.	ADJUSTMENT TO EXISTING MANHOLES TO NEW FINISHED GRADE, INCLUDES LABOR AND MATERIALS FOR ALL WORK ON STORM AND SANITARY MANHOLES, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00
<b>SUBTOTAL MISCELLANEOUS ITEMS</b>						<b>\$36,610.00</b>		<b>\$31,560.00</b>	<b>\$37,189.94</b>
<b>BID SUMMARY</b>									
SUBTOTAL WATER ITEMS						\$128,446.00		\$122,074.10	\$109,185.80
SUBTOTAL SANITARY SEWER ITEMS						\$113,914.00		\$130,742.25	\$135,409.30
SUBTOTAL DRAINAGE FACILITIES ITEMS						\$381,959.30		\$380,316.80	\$384,189.96
SUBTOTAL MISCELLANEOUS ITEMS						\$36,610.00		\$31,560.00	\$37,189.94
<b>TOTAL AMOUNT BID</b>						<b>\$660,929.30</b>		<b>\$664,693.15</b>	<b>\$665,975.00</b>

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CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE WOODTRACE SECTION TWELVE  
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ITEM DESCRIPTION	UNIT	QTY	7) BAY UTILITIES, LLC		8) CROSTEX CONSTRUCTION, INC.		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>WATER ITEMS</b>							
1. 8" PVC RESTRAINED JOINT WATER PIPE, AWWA C-900, DR 14, CLASS 305, ALL DEPTHS, INCLUDES RESTRAINED JOINT FITTINGS, (TEES, BENDS, ETC.), COMPLETE IN PLACE	LF	12	\$82.00	\$984.00	\$100.00	\$1,200.00	
2. 12" PVC WATER PIPE, AWWA C-235, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS (TEES, BENDS, ETC.), COMPLETE IN PLACE	LF	1274	\$26.00	\$33,124.00	\$32.75	\$41,723.50	
3. 8" PVC WATER PIPE, AWWA C-235, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS (TEES BENDS, ETC.), COMPLETE IN PLACE	LF	1390	\$17.00	\$23,630.00	\$20.50	\$28,495.00	
4. FLUSHING VALVE, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD, TRENCH SAFETY, THRUST BLOCK, RESTRAINED JOINT FITTINGS, AND FIRE HYDRANT, COMPLETE IN PLACE	EA	6	\$3,200.00	\$19,200.00	\$3,450.00	\$20,700.00	
5. 12" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	4	\$1,800.00	\$7,200.00	\$1,900.00	\$7,600.00	
6. 8" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	3	\$900.00	\$2,700.00	\$975.00	\$2,925.00	
7. 12" PLUG AND CLAMP WITH 2" BLOW OFF VALVE ASSEMBLY AND BOX, COMPLETE IN PLACE	EA	1	\$1,800.00	\$1,800.00	\$735.00	\$735.00	
8. 8" PLUG AND CLAMP WITH 2" BLOW OFF VALVE ASSEMBLY AND BOX, COMPLETE IN PLACE	EA	1	\$1,800.00	\$1,800.00	\$700.00	\$700.00	
9. ADDITIONAL COST TO BORE & JACK 12" PVC WATER LINE, PIPE NOT INCLUDED, COMPLETE IN PLACE	LF	42	\$65.00	\$2,730.00	\$85.00	\$3,570.00	
10. INSTALL 12" X 12" TEE ON EXISTING 12" WATER LINE, INCLUDES ANY NECESSARY REMOVAL, REPLACEMENT, AND DISPOSAL OF EXISTING 12" WATER LINE IN ORDER TO INSTALL PROPOSED 12" WATER LINE, COMPLETE IN PLACE	LS	1	\$5,600.00	\$5,600.00	\$5,500.00	\$5,500.00	
11. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2646	\$1.00	\$2,646.00	\$1.05	\$2,778.30	
<b>SUBTOTAL WATER ITEMS</b>				<b>\$101,414.00</b>		<b>\$115,926.80</b>	
<b>SANITARY SEWER ITEMS</b>							
1. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8" - 12' CUT, COMPLETE IN PLACE	LF	171	\$31.00	\$5,301.00	\$25.75	\$4,403.25	
2. 8" PVC SEWER PIPE, AWWA C-900, DR 18, 12" - 16', COMPLETE IN PLACE	LF	610	\$39.00	\$23,790.00	\$32.50	\$19,825.00	
3. 8" PVC SEWER PIPE, AWWA C-900, DR-18, 16" - 20' CUT, COMPLETE IN PLACE	LF	30	\$72.00	\$2,160.00	\$50.00	\$1,500.00	
4. STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (8' DEPTH), INCLUDES STAINLESS STEEL INFLOW PROTECTORS, COMPLETE IN PLACE	EA	8	\$1,800.00	\$14,400.00	\$2,200.00	\$17,600.00	
5. EXTRA DEPTH OF SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	42	\$120.00	\$5,040.00	\$220.00	\$9,240.00	
6. 8" STANDARD SANITARY SEWER DROP AT MANHOLE, COMPLETE IN PLACE	EA	1	\$740.00	\$740.00	\$750.00	\$750.00	
7. 6" LEAD STANDARD SANITARY SEWER DROP AT MANHOLE, COMPLETE IN PLACE	EA	4	\$540.00	\$2,160.00	\$1,500.00	\$6,000.00	
8. EXTRA DEPTH FOR ALL SANITARY DROP STRUCTURES AT MANHOLE (OVER 3' DEPTH), ALL SIZES, COMPLETE IN PLACE	VF	17	\$26.00	\$442.00	\$50.00	\$850.00	
9. "LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26/PR 160, ALL DEPTHS, INCLUDING PIPE, TRENCH SAFETY, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	860	\$38.00	\$32,680.00	\$38.00	\$32,680.00	
10. "SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR26/PR160, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, TRENCH SAFETY, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	5	\$600.00	\$3,000.00	\$1,275.00	\$6,375.00	
11. SANITARY STACKS, ALL DEPTHS, COMPLETE IN PLACE	EA	13	\$940.00	\$12,220.00	\$450.00	\$5,850.00	

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 TO SERVE WOODTRACE SECTION TWELVE  
 WOOD TRACE MUNICIPAL UTILITY DISTRICT  
 MONTGOMERY COUNTY, TEXAS  
 APRIL 25, 2019  
 LJA ENGINEERING, INC.  
 S. ROSS  
 APRIL 25, 2019  
 0389-1721 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	7) BAY UTILITIES, LLC		8) CROSTEX CONSTRUCTION, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12.	ADDITIONAL COST TO CONNECT SANITARY STACK TO EXISTING SANITARY SEWER, COMPLETE IN PLACE	EA	5	\$1,000.00	\$5,000.00	\$500.00	\$2,500.00
13.	CORE INTO EXISTING MANHOLE & CONNECT PROPOSED SANITARY SEWER, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	EA	4	\$1,500.00	\$6,000.00	\$1,850.00	\$7,400.00
14.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	811	\$1.00	\$811.00	\$1.25	\$1,013.75
<b>SUBTOTAL SANITARY SEWER ITEMS</b>					<b>\$113,744.00</b>		<b>\$115,987.00</b>
<b>DRAINAGE FACILITIES ITEMS</b>							
1.	18" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	109	\$47.00	\$5,123.00	\$47.00	\$5,123.00
2.	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	1620	\$60.00	\$97,200.00	\$57.00	\$92,340.00
3.	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	387	\$79.00	\$30,573.00	\$72.25	\$27,960.75
4.	STAGE I - STANDARD 5' REINFORCED CONCRETE PRECAST INLET ("H-2") ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	13	\$1,000.00	\$13,000.00	\$2,000.00	\$26,000.00
5.	STAGE II - STANDARD 5' REINFORCED CONCRETE PRECAST OR REINFORCED CONCRETE CAST-IN PLACE INLET ("H-2"), COMPLETE IN PLACE	EA	13	\$1,700.00	\$22,100.00	\$450.00	\$5,850.00
6.	STAGE I - TYPE "C-1" REINFORCED CONCRETE PRECAST INLET (10' MINIMUM INSIDE OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	4	\$1,700.00	\$6,800.00	\$2,000.00	\$8,000.00
7.	STAGE II - TYPE "C-1" REINFORCED CONCRETE PRECAST OR REINFORCED CONCRETE CAST-IN-PLACE INLET (10' MINIMUM INSIDE OPENING), COMPLETE IN PLACE	EA	4	\$2,100.00	\$8,400.00	\$1,000.00	\$4,000.00
8.	STAGE I - TYPE "C-2" REINFORCED CONCRETE CAST IN PLACE INLET (15' MINIMUM INSIDE OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	1	\$1,800.00	\$1,800.00	\$3,000.00	\$3,000.00
9.	STAGE II - TYPE "C-2" REINFORCED CONCRETE CAST IN PLACE INLET (15' MINIMUM INSIDE OPENING), COMPLETE IN PLACE	EA	1	\$2,700.00	\$2,700.00	\$1,000.00	\$1,000.00
10.	TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	17	\$3,100.00	\$52,700.00	\$2,300.00	\$39,100.00
11.	TYPE "E" REINFORCED CONCRETE PRECAST INLET (OPEN ON ALL SIDES), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR INLET, COMPLETE IN PLACE	EA	4	\$3,100.00	\$12,400.00	\$3,000.00	\$12,000.00
12.	TYPE "C" MANHOLE WITH MODIFIED TYPE "A" GRATE INLET TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,200.00	\$3,200.00	\$3,000.00	\$3,000.00
13.	EXCAVATION OF EXTREME EVENT SWALE, BOTTOM WIDTH VARIES, 4:1 Side slopes, COMPLETE IN PLACE	LF	451	\$18.00	\$8,118.00	\$8.00	\$3,608.00
14.	REGRADE EXISTING ROADSIDE DITCH TO PROPOSED 18" CULVERT, COMPLETE IN PLACE	LF	32	\$17.00	\$544.00	\$10.00	\$320.00
15.	SAFETY END TREATMENT FOR 18" RCP CULVERT (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	2	\$1,000.00	\$2,000.00	\$2,500.00	\$5,000.00
16.	4" CONCRETE SLOPE PAVEMENT FOR OUTFALLS, COMPLETE IN PLACE	SY	230	\$96.00	\$22,080.00	\$120.00	\$27,600.00
17.	RIP RAP (24-INCH THICKNESS) GRADATION NO. 2, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	38	\$120.00	\$4,560.00	\$100.00	\$3,800.00
18.	ALLOWANCE TO INSTALL GREEN ARMOR 7010 ON SIDE SLOPES IN RESERVE "B" EAST OF WALNUT PARK LANE RIGHT OF WAY, TO CONTROL SEDIMENT RUNOFF TO JURISDICTIONAL WATERS, CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	2398	\$15.35	\$36,809.30	\$17.00	\$40,766.00

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 MONTGOMERY COUNTY, TEXAS  
 APRIL 25, 2019  
 LJA ENGINEERING, INC.  
 S. ROSS  
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 0389-1721 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	7) BAY UTILITIES, LLC		8) CROSTEX CONSTRUCTION, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
19.	ALLOWANCE TO ADD SOIL AMENDMENTS (ONLY AS DIRECTED BY THE ENGINEER), CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR SOIL TESTING, MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	2398	\$2.50	\$5,995.00	\$4.00	\$9,592.00
20.	ALLOWANCE TO INSTALL GREEN ARMOR 7010 ON SIDE SLOPES OF GOODSON DRY DETENTION DAM AT WOODTRACE BOULEVARD, INCLUDES UPSTREAM AND DOWNSTREAM SIDES OF DAM, TO ACT AS REVETMENT FOR GOODSON DRY DETENTION DAM, CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	4200	\$15.35	\$64,470.00	\$17.00	\$71,400.00
21.	ALLOWANCE TO ADD SOIL AMENDMENTS (ONLY AS DIRECTED BY ENGINEER) ALONG UPSTREAM AND DOWNSTREAM SIDE SLOPES OF GOODSON DRY DETENTION DAM, CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR SOIL TESTING, MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	4200	\$2.50	\$10,500.00	\$3.00	\$12,600.00
22.	TYPE II ROCK FILTER DAM, 24 INCH, COMPLETE IN PLACE	EA	3	\$2,200.00	\$6,600.00	\$1,200.00	\$3,600.00
23.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2089	\$1.00	\$2,089.00	\$1.25	\$2,611.25
<b>SUBTOTAL DRAINAGE FACILITIES ITEMS</b>					<b>\$419,761.30</b>	<b>\$408,271.00</b>	
<b>MISCELLANEOUS ITEMS</b>							
1.	EXTRA CEMENT STABILIZED SAND BACKFILL, (2 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	10	\$30.00	\$300.00	\$30.00	\$300.00
2.	EXTRA COST OF SANITARY SEWER WET SAND CONSTRUCTION AS PER CITY OF HOUSTON DRAWING NO. 02317-01 OR 02317-02, 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
3.	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER CITY OF HOUSTON DRAWING NO. 02317-02, 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
4.	EXTRA COST OF WET SAND CONSTRUCTION UNDER MANHOLE AS PER CITY OF HOUSTON DRAWING NO. 02082-05 (EFFECTIVE DATE ON OCTOBER 1, 2002 OR LATEST DETAIL), ALL DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$50.00	\$50.00	\$150.00	\$150.00
5.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF UTILITY LINES, ALL LINE SIZES AND DEPTHS, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (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
6.	UTILITY SPOILS, TO BE PLACED AND COMPACTED IN WOODTRACE SECTION TWELVE LOTS 11-15 & 17-18, BLOCK 2, INCLUDES STRIPPING, STOCK PILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$7,600.00	\$7,600.00	\$5,000.00	\$5,000.00
7.	EXTRA DUCTILE IRON FITTINGS, COMPLETE IN PLACE	TON	1	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
8.	EXTRA REINFORCED FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	200	\$1.00	\$200.00	\$2.00	\$400.00
9.	EXTRA SILT FENCE INLET PROTECTION BARRIER, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$10.00	\$10.00	\$50.00	\$50.00
10.	EXTRA CLEARING AND GRUBBING INCLUDES HAULING OFF MATERIAL TO AN EPA APPROVED DISPOSAL SITE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	1	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
11.	HYDROMULCH SEEDING OF SWALES AND OUTFALLS, COMPLETE IN PLACE	LS	1	\$4,500.00	\$4,500.00	\$5,000.00	\$5,000.00

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ITEM	DESCRIPTION	UNIT	QTY	7) BAY UTILITIES, LLC		8) CROSTEX CONSTRUCTION, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12.	SURFACE WATER CONTROL AND PUMPING, INCLUDES ALL PUMPING TO COMPLETE PROJECT, COMPLETE IN PLACE	LS	1	\$3,500.00	\$3,500.00	\$2,500.00	\$2,500.00
13.	INSTALLATION, MAINTENANCE, AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$2,700.00	\$2,700.00	\$1,500.00	\$1,500.00
14.	STORM WATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,415.20	\$1,415.20
15.	ADJUSTMENT TO EXISTING MANHOLES TO NEW FINISHED GRADE, INCLUDES LABOR AND MATERIALS FOR ALL WORK ON STORM AND SANITARY MANHOLES, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$500.00	\$500.00
<b>SUBTOTAL MISCELLANEOUS ITEMS</b>					<b>\$42,360.00</b>	<b>\$40,815.20</b>	
<b>BID SUMMARY</b>							
SUBTOTAL WATER ITEMS					\$101,414.00	\$115,926.80	
SUBTOTAL SANITARY SEWER ITEMS					\$113,744.00	\$115,987.00	
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$419,761.30	\$408,271.00	
SUBTOTAL MISCELLANEOUS ITEMS					\$42,360.00	\$40,815.20	
<b>TOTAL AMOUNT BID</b>					<b>\$677,279.30</b>	<b>\$681,000.00</b>	