

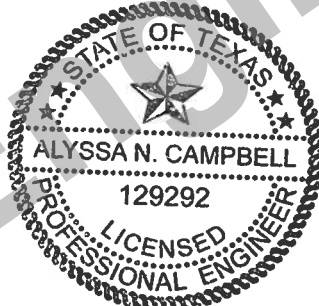
**BID TABULATION FOR:**

CONSTRUCTION OF THE WATER, SANITARY SEWER & DRAINAGE FACILITIES  
TO SERVE EL DORADO CLEAR LAKE CITY SECTION 16  
HARRIS COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NO. 161  
CITY OF HOUSTON; HARRIS COUNTY, TEXAS  
DECEMBER 19, 2018  
LJA ENGINEERING, INC.  
A. CAROTHERS  
DECEMBER 20, 2018  
2085-0116D (9.2)

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

BIDDER'S NAME	TOTAL BID AMOUNT
1) CROSTEX CONSTRUCTION, INC.	\$470,000.00
2) NORTHTEX CONSTRUCTION, LLC	\$485,541.25
3) FELLERS & CLARK, LP	\$500,000.00
4) BLAZEY CONSTRUCTION SERVICES, LLC	\$509,615.85
5) PRINCIPAL SERVICES, LTD.	\$549,062.35
6) BAY UTILITIES, LLC	\$562,466.50

CALENDAR DAYS - 35/45



*Alyssa Campbell*

12/20/18

I, Alyssa Campbell, P.E., hereby certify these bid tabulations to be true and correct.

**BID TABULATION FOR:**

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ITEM	DESCRIPTION	UNIT	QTY	1) CROSTEX CONSTRUCTION, INC.		2) NORTHTEX CONSTRUCTION, LLC		3) FELLERS & CLARK, LP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>WATER ITEMS</b>									
1.	6" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,192	\$16.75	\$19,968.00	\$18.00	\$21,456.00	\$19.10	\$22,767.20
2.	8" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	996	\$19.50	\$19,422.00	\$18.50	\$18,426.00	\$22.30	\$22,210.80
3.	FIRE HYDRANT UNIT, ALL DEPTHS, TO INCLUDE APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD AND FIRE HYDRANT, BEDDING AND BACKFILL AND TRENCH SAFETY, COMPLETE IN PLACE	EA	4	\$3,700.00	\$14,800.00	\$3,500.00	\$14,000.00	\$3,955.00	\$15,820.00
4.	6" AWWA GATE VALVE & BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	5	\$670.00	\$3,350.00	\$900.00	\$4,500.00	\$870.00	\$4,350.00
5.	8" AWWA GATE VALVE & BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	3	\$995.00	\$2,985.00	\$1,300.00	\$3,900.00	\$1,215.00	\$3,645.00
6.	REMOVE EXISTING 8" PLUG AND CLAMP AND 2" BLOW-OFF VALVE & BOX, AND CONNECT PROPOSED 8" WATER LINE, INCLUDES ALL NECESSARY ADAPTERS AND CONNECTORS, COMPLETE IN PLACE	EA	1	\$200.00	\$200.00	\$1,400.00	\$1,400.00	\$410.00	\$410.00
7.	2" BLOW-OFF VALVE AND BOX, COMPLETE IN PLACE	EA	3	\$365.00	\$1,095.00	\$700.00	\$2,100.00	\$470.00	\$1,410.00
8.	ADDITIONAL CAST IRON FITTINGS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	1	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
9.	UTILITY SPOIL TO BE HAULED, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	452	\$2.00	\$904.00	\$3.60	\$1,627.20	\$4.35	\$1,966.20
10.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2,188	\$1.25	\$2,735.00	\$0.10	\$218.80	\$0.10	\$218.80
11.	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$150.00	\$150.00	\$1,000.00	\$1,000.00	\$115.00	\$115.00
<b>SUBTOTAL WATER ITEMS</b>					<b>\$66,607.00</b>		<b>\$69,628.00</b>		<b>\$73,913.00</b>
<b>SANITARY SEWER ITEMS</b>									
1.	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 0'-12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	88	\$23.75	\$2,090.00	\$34.00	\$2,992.00	\$62.60	\$5,508.80
2.	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 12'-16' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,289	\$27.50	\$35,447.50	\$28.00	\$36,092.00	\$62.60	\$80,691.40
3.	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16'-20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	132	\$49.00	\$6,468.00	\$38.00	\$5,016.00	\$62.60	\$8,263.20
4.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,509	\$1.25	\$1,886.25	\$0.10	\$150.90	\$0.10	\$150.90
5.	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), TO INCLUDE INFLOW PREVENTERS, COMPLETE IN PLACE	EA	10	\$2,400.00	\$24,000.00	\$2,300.00	\$23,000.00	\$2,060.00	\$20,600.00
6.	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	55	\$240.00	\$13,200.00	\$140.00	\$7,700.00	\$122.85	\$6,756.75
7.	REMOVE EXISTING 8" SANITARY SEWER PLUG AND CONNECT EXISTING 8" SANITARY SEWER TO PROPOSED 8" SANITARY SEWER, COMPLETE IN PLACE	EA	1	\$150.00	\$150.00	\$1,300.00	\$1,300.00	\$250.00	\$250.00
8.	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM 2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, TRENCH SAFETY, RISER/STACK, WYE, PLUG, MARKER, MANHOLE DROPS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	11	\$2,075.00	\$22,825.00	\$1,650.00	\$18,150.00	\$2,770.00	\$30,470.00
9.	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM 2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, TRENCH SAFETY, RISER/STACK, WYE, PLUG, MARKER, MANHOLE DROPS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	9	\$1,050.00	\$9,450.00	\$1,200.00	\$10,800.00	\$1,550.00	\$13,950.00

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 DECEMBER 19, 2018  
 LJA ENGINEERING, INC.  
 A.CAROTHERS  
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**BID OPENING DATE:**  
**BID OPENING LOCATION:**  
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**LJA JOB NO.**

ITEM	DESCRIPTION	UNIT	QTY	1) CROSTEX CONSTRUCTION, INC.		2) NORTHTEX CONSTRUCTION, LLC		3) FELLERS & CLARK, LP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10.	ADDITIONAL COST FOR SANITARY SEWER BEDDING & BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	377	\$15.00	\$5,655.00	\$15.00	\$5,655.00	\$15.00	\$5,655.00
11.	DEWATERING (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	377	\$25.00	\$9,425.00	\$25.00	\$9,425.00	\$25.00	\$9,425.00
12.	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	20	\$50.00	\$1,000.00	\$50.00	\$1,000.00	\$50.00	\$1,000.00
13.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	323	\$2.00	\$646.00	\$3.60	\$1,162.80	\$4.35	\$1,405.05
14.	8" DROP STRUCTURE, ALL DEPTHS, ASTM D-3034, SDR 26, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$900.00	\$900.00	\$305.00	\$305.00
<b>SUBTOTAL SANITARY SEWER ITEMS</b>					<b>\$132,742.75</b>	<b>\$123,343.70</b>	<b>\$184,431.10</b>		
<b>DRAINAGE FACILITIES ITEMS</b>									
1.	24" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,144	\$60.00	\$68,640.00	\$60.00	\$68,640.00	\$55.90	\$63,949.60
2.	30" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	275	\$76.25	\$20,968.75	\$79.00	\$21,725.00	\$67.85	\$18,658.75
3.	42" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	30	\$133.50	\$4,005.00	\$193.00	\$5,790.00	\$118.35	\$3,550.50
4.	54" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	126	\$209.00	\$26,334.00	\$207.00	\$26,082.00	\$182.85	\$23,039.10
5.	54" CMP STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	109	\$150.00	\$16,350.00	\$221.00	\$24,089.00	\$115.60	\$12,600.40
6.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,684	\$1.25	\$2,105.00	\$0.10	\$168.40	\$0.10	\$168.40
7.	TYPE "E" INLET, ALL DEPTHS, OPEN ON ALL SIDES, INCLUDING SILT BARRIER FENCE, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00	\$2,800.00	\$2,800.00	\$3,170.00	\$3,170.00
8.	STAGE I - TYPE "B-B" INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	8	\$2,000.00	\$16,000.00	\$1,400.00	\$11,200.00	\$790.00	\$6,320.00
9.	STAGE II - TYPE "B-B" INLET, COMPLETE IN PLACE	EA	8	\$350.00	\$2,800.00	\$1,300.00	\$10,400.00	\$1,435.00	\$11,480.00
10.	STAGE I - STANDARD (TYPE "H-2") INLET ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00	\$2,480.00	\$4,960.00	\$815.00	\$1,630.00
11.	STAGE II - STANDARD (TYPE "H-2") INLET, COMPLETE IN PLACE	EA	2	\$400.00	\$800.00	\$2,550.00	\$5,100.00	\$1,490.00	\$2,980.00
12.	STAGE I - 15' TYPE "C-2" INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00	\$1,600.00	\$1,600.00	\$875.00	\$875.00
13.	STAGE II - 15' TYPE "C-2" INLET, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$2,100.00	\$2,100.00	\$2,135.00	\$2,135.00
14.	(TYPE "C") MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$2,300.00	\$18,400.00	\$2,900.00	\$23,200.00	\$2,200.00	\$17,600.00
15.	(TYPE "C") MANHOLE FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$3,800.00	\$11,400.00	\$4,500.00	\$13,500.00	\$3,765.00	\$11,295.00
16.	54" STORM SEWER OUTFALL INCLUDING SLOPE PAVING, RE-DRESSING EXISTING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE, COMPLETE IN PLACE	EA	1	\$25,000.00	\$25,000.00	\$10,500.00	\$10,500.00	\$5,926.95	\$5,926.95
17.	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES & DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	168	\$15.00	\$2,520.00	\$15.00	\$2,520.00	\$15.00	\$2,520.00

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 LJA ENGINEERING, INC.  
 A. CAROTHERS  
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 2085-0116D (9.2)

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ITEM	DESCRIPTION	UNIT	QTY	1) CROSTEX CONSTRUCTION, INC.		2) NORTHTEX CONSTRUCTION, LLC		3) FELLERS & CLARK, LP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
18.	DEWATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	168	\$25.00	\$4,200.00	\$25.00	\$4,200.00	\$25.00	\$4,200.00
19.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	2,174	\$2.00	\$4,348.00	\$3.60	\$7,826.40	\$4.35	\$9,456.90
20.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE ALONG BACK OF CURB AFTER LOT GRADING AND CURB ARE COMPLETE (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	3,619	\$1.25	\$4,523.75	\$1.25	\$4,523.75	\$1.25	\$4,523.75
21.	INSTALL AND MAINTAIN FILTER FABRIC FENCE ALONG BOUNDARY BEFORE CONSTRUCTION STARTS (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	3,943	\$1.00	\$3,943.00	\$1.00	\$3,943.00	\$1.00	\$3,943.00
22.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE INCLUDING MAINTAINING EXISTING FILTER FABRIC FENCE AND STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	LS	1	\$2,502.75	\$2,502.75	\$1,500.00	\$1,500.00	\$1,755.00	\$1,755.00
23.	STABILIZED CONSTRUCTION EXIT AT LOCATION SHOWN ON PLANS, TO INCLUDE INSTALLATION AND REMOVAL, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF 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
24.	STAGE II INLET PROTECTION BARRIER (4 SAND BAGS PER INLET) FOR PROPOSED AND EXISTING INLETS, COMPLETE IN PLACE	EA	13	\$50.00	\$650.00	\$90.00	\$1,170.00	\$60.00	\$780.00
25.	HYDROMULCH SEEDING, FINE GRADING AND WATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	1.2	\$1,000.00	\$1,200.00	\$1,000.00	\$1,200.00	\$1,000.00	\$1,200.00
26.	BROADCAST SEEDING, FERTILIZING, AND WATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	11	\$600.00	\$6,600.00	\$600.00	\$6,600.00	\$600.00	\$6,600.00
27.	TV TESTING OF STORM SEWER, TO INCLUDE CLEANING AND DESILTING AS NECESSARY, COMPLETE IN PLACE	LF	1,684	\$5.00	\$8,420.00	\$10.00	\$16,840.00	\$5.85	\$9,851.40
28.	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$800.00	\$800.00	\$880.00	\$880.00
29.	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	20	\$50.00	\$1,000.00	\$50.00	\$1,000.00	\$50.00	\$1,000.00
30.	EXCAVATION, HAULING, GRADING, HYDROMULCH SEEDING AND WATERING OF OVERFLOW SWALE WITH 8 TO 1 SIDE SLOPES AND 20' BOTTOM WIDTH AT 1% SLOPE, COMPLETE IN PLACE	LF	197	\$20.00	\$3,940.00	\$36.00	\$7,092.00	\$40.95	\$8,067.15
<b>SUBTOTAL DRAINAGE FACILITIES ITEMS</b>					\$270,650.25		\$292,569.55 *		\$241,655.90
<b>BID SUMMARY</b>									
SUBTOTAL WATER ITEMS					\$66,607.00		\$69,628.00		\$73,913.00
SUBTOTAL SANITARY SEWER ITEMS					\$132,742.75		\$123,343.70		\$184,431.10
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$270,650.25		\$292,569.55 *		\$241,655.90
<b>TOTAL AMOUNT BID</b>					<b>\$470,000.00</b>		<b>\$485,541.25 *</b>		<b>\$500,000.00</b>

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ITEM DESCRIPTION	UNIT	QTY	4) BLAZEY CONSTRUCTION SERVICES, LLC		5) PRINCIPAL SERVICES, LTD.		6) BAY UTILITIES, LLC		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>WATER ITEMS</b>									
1. 6" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,192	\$20.00	\$23,840.00	\$27.00	\$32,184.00	\$19.00	\$22,648.00	
2. 8" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE FITTINGS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	996	\$23.00	\$22,908.00	\$29.00	\$28,884.00	\$22.00	\$21,912.00	
3. FIRE HYDRANT UNIT, ALL DEPTHS, TO INCLUDE APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD AND FIRE HYDRANT, BEDDING AND BACKFILL AND TRENCH SAFETY, COMPLETE IN PLACE	EA	4	\$3,297.00	\$13,188.00	\$3,700.00	\$14,800.00	\$3,500.00	\$14,000.00	
4. 6" AWWA GATE VALVE & BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	5	\$706.00	\$3,530.00	\$700.00	\$3,500.00	\$700.00	\$3,500.00	
5. 8" AWWA GATE VALVE & BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	3	\$1,026.00	\$3,078.00	\$1,000.00	\$3,000.00	\$1,000.00	\$3,000.00	
6. REMOVE EXISTING 8" PLUG AND CLAMP AND 2" BLOW-OFF VALVE & BOX, AND CONNECT PROPOSED 8" WATER LINE, INCLUDES ALL NECESSARY ADAPTERS AND CONNECTORS, COMPLETE IN PLACE	EA	1	\$350.00	\$350.00	\$250.00	\$250.00	\$600.00	\$600.00	
7. 2" BLOW-OFF VALVE AND BOX, COMPLETE IN PLACE	EA	3	\$850.00	\$2,550.00	\$1,000.00	\$3,000.00	\$1,000.00	\$3,000.00	
8. ADDITIONAL CAST IRON FITTINGS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	1	\$1,400.00	\$1,400.00	\$1,000.00	\$1,000.00	\$1,100.00	\$1,100.00	
9. UTILITY SPOIL TO BE HAULED, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	452	\$2.30	\$1,039.60	\$2.50	\$1,130.00	\$1.00	\$452.00	
10. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2,188	\$0.30	\$656.40	\$0.10	\$218.80	\$1.00	\$2,188.00	
11. 8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$215.00	\$215.00	\$250.00	\$250.00	\$300.00	\$300.00	
<b>SUBTOTAL WATER ITEMS</b>				<b>\$72,755.00</b>		<b>\$88,216.80</b>		<b>\$72,700.00</b>	
<b>SANITARY SEWER ITEMS</b>									
1. 8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 0'-12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	88	\$47.00	\$4,136.00	\$46.00	\$4,048.00	\$30.00	\$2,640.00	
2. 8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 12'-16' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,289	\$57.00	\$73,473.00	\$47.00	\$60,583.00	\$50.00	\$64,450.00	
3. 8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16'-20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	132	\$85.00	\$11,220.00	\$57.00	\$7,524.00	\$80.00	\$10,560.00	
4. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,509	\$0.30	\$452.70	\$0.10	\$150.90	\$1.00	\$1,509.00	
5. STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), TO INCLUDE INFLOW PREVENTERS, COMPLETE IN PLACE	EA	10	\$2,525.00	\$25,250.00	\$2,200.00	\$22,000.00	\$3,100.00	\$31,000.00	
6. EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	55	\$150.00	\$8,250.00	\$169.00	\$9,295.00	\$180.00	\$9,900.00	
7. REMOVE EXISTING 8" SANITARY SEWER PLUG AND CONNECT EXISTING 8" SANITARY SEWER TO PROPOSED 8" SANITARY SEWER, COMPLETE IN PLACE	EA	1	\$750.00	\$750.00	\$200.00	\$200.00	\$400.00	\$400.00	
8. LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM 2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, TRENCH SAFETY, RISER/STACK, WYE, PLUG, MARKER, MANHOLE DROPS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	11	\$2,710.00	\$29,810.00	\$2,600.00	\$28,600.00	\$2,700.00	\$29,700.00	
9. SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM 2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, TRENCH SAFETY, RISER/STACK, WYE, PLUG, MARKER, MANHOLE DROPS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	9	\$945.00	\$8,505.00	\$1,900.00	\$17,100.00	\$1,400.00	\$12,600.00	

**BID TABULATION FOR:**

CONSTRUCTION OF THE WATER, SANITARY SEWER & DRAINAGE FACILITIES  
 TO SERVE EL DORADO CLEAR LAKE CITY SECTION 16  
 HARRIS COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NO. 161  
 CITY OF HOUSTON, HARRIS COUNTY, TEXAS  
 DECEMBER 19, 2018  
 LJA ENGINEERING, INC.  
 A. CAROTHERS  
 DECEMBER 20, 2018  
 2085-0116D (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) BLAZEY CONSTRUCTION SERVICES, LLC		5) PRINCIPAL SERVICES, LTD.		6) BAY UTILITIES, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10.	ADDITIONAL COST FOR SANITARY SEWER BEDDING & BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	377	\$15.00	\$5,655.00	\$15.00	\$5,655.00	\$15.00	\$5,655.00
11.	DEWATERING (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	377	\$25.00	\$9,425.00	\$25.00	\$9,425.00	\$25.00	\$9,425.00
12.	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	20	\$50.00	\$1,000.00	\$50.00	\$1,000.00	\$50.00	\$1,000.00
13.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	323	\$3.00	\$969.00	\$2.50	\$807.50	\$1.00	\$323.00
14.	8" DROP STRUCTURE, ALL DEPTHS, ASTM D-3034, SDR 26, COMPLETE IN PLACE	EA	1	\$580.00	\$580.00	\$500.00	\$500.00	\$750.00	\$750.00
<b>SUBTOTAL SANITARY SEWER ITEMS</b>					<b>\$179,475.70</b>	<b>\$166,888.40</b>	<b>\$179,912.00</b>		
<b>DRAINAGE FACILITIES ITEMS</b>									
1.	24" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,144	\$57.00	\$65,208.00	\$71.00	\$81,224.00	\$65.00	\$74,360.00
2.	30" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	275	\$72.00	\$19,800.00	\$87.00	\$23,925.00	\$85.00	\$23,375.00
3.	42" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	30	\$128.00	\$3,840.00	\$180.00	\$5,400.00	\$150.00	\$4,500.00
4.	54" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	126	\$200.00	\$25,200.00	\$239.00	\$30,114.00	\$255.00	\$32,130.00
5.	54" CMP STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	109	\$227.00	\$24,743.00	\$244.00	\$26,596.00	\$290.00	\$31,610.00
6.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,684	\$0.30	\$505.20	\$0.10	\$168.40	\$1.00	\$1,684.00
7.	TYPE "E" INLET, ALL DEPTHS, OPEN ON ALL SIDES, INCLUDING SILT BARRIER FENCE, COMPLETE IN PLACE	EA	1	\$2,650.00	\$2,650.00	\$4,700.00	\$4,700.00	\$4,200.00	\$4,200.00
8.	STAGE I - TYPE "B-B" INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	8	\$1,350.00	\$10,800.00	\$1,300.00	\$10,400.00	\$1,200.00	\$9,600.00
9.	STAGE II - TYPE "B-B" INLET, COMPLETE IN PLACE	EA	8	\$1,650.00	\$13,200.00	\$1,700.00	\$13,600.00	\$1,800.00	\$14,400.00
10.	STAGE I - STANDARD (TYPE "H-2") INLET ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	2	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,280.00	\$2,560.00
11.	STAGE II - STANDARD (TYPE "H-2") INLET, COMPLETE IN PLACE	EA	2	\$1,650.00	\$3,300.00	\$1,500.00	\$3,000.00	\$1,920.00	\$3,840.00
12.	STAGE I - 15" TYPE "C-2" INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	1	\$1,135.00	\$1,135.00	\$1,300.00	\$1,300.00	\$2,480.00	\$2,480.00
13.	STAGE II - 15" TYPE "C-2" INLET, COMPLETE IN PLACE	EA	1	\$2,895.00	\$2,895.00	\$2,400.00	\$2,400.00	\$3,720.00	\$3,720.00
14.	(TYPE "C") MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$2,190.00	\$17,520.00	\$2,500.00	\$20,000.00	\$3,400.00	\$27,200.00
15.	(TYPE "C") MANHOLE FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$4,425.00	\$13,275.00	\$4,300.00	\$12,900.00	\$6,300.00	\$18,900.00
16.	54" STORM SEWER OUTFALL INCLUDING SLOPE PAVING, RE-DRESSING EXISTING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE, COMPLETE IN PLACE	EA	1	\$4,170.00	\$4,170.00	\$8,800.00	\$8,800.00	\$18,000.00	\$18,000.00
17.	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES & DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	168	\$15.00	\$2,520.00	\$15.00	\$2,520.00	\$15.00	\$2,520.00

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 DECEMBER 19, 2018  
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ITEM	DESCRIPTION	UNIT	QTY	4) BLAZEY CONSTRUCTION SERVICES, LLC		5) PRINCIPAL SERVICES, LTD.		6) BAY UTILITIES, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
18.	DEWATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	168	\$25.00	\$4,200.00	\$25.00	\$4,200.00	\$25.00	\$4,200.00
19.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	2,174	\$2.00	\$4,348.00	\$2.50	\$5,435.00	\$1.00	\$2,174.00
20.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE ALONG BACK OF CURB AFTER LOT GRADING AND CURB ARE COMPLETE (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	3,619	\$1.50	\$5,428.50	\$1.25	\$4,523.75	\$1.25	\$4,523.75
21.	INSTALL AND MAINTAIN FILTER FABRIC FENCE ALONG BOUNDARY BEFORE CONSTRUCTION STARTS (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	3,943	\$1.15	\$4,534.45	\$1.00	\$3,943.00	\$1.25	\$4,928.75
22.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE INCLUDING MAINTAINING EXISTING FILTER FABRIC FENCE AND STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	LS	1	\$625.00	\$625.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
23.	STABILIZED CONSTRUCTION EXIT AT LOCATION SHOWN ON PLANS, TO INCLUDE INSTALLATION AND REMOVAL, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$2,325.00	\$2,325.00	\$3,100.00	\$3,100.00	\$1,500.00	\$1,500.00
24.	STAGE II INLET PROTECTION BARRIER (4 SAND BAGS PER INLET) FOR PROPOSED AND EXISTING INLETS, COMPLETE IN PLACE	EA	13	\$92.00	\$1,196.00	\$40.00	\$520.00	\$50.00	\$650.00
25.	HYDROMULCH SEEDING, FINE GRADING AND WATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	1.2	\$2,100.00	\$2,520.00	\$2,100.00	\$2,520.00	\$1,500.00	\$1,800.00
26.	BROADCAST SEEDING, FERTILIZING, AND WATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	11	\$900.00	\$9,900.00	\$600.00	\$6,600.00	\$600.00	\$6,600.00
27.	TV TESTING OF STORM SEWER, TO INCLUDE CLEANING AND DESILTING AS NECESSARY, COMPLETE IN PLACE	LF	1,684	\$3.25	\$5,473.00	\$3.00	\$5,052.00	\$3.00	\$5,052.00
28.	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$695.00	\$695.00	\$500.00	\$500.00	\$650.00	\$650.00
29.	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	20	\$50.00	\$1,000.00	\$50.00	\$1,000.00	\$50.00	\$1,000.00
30.	EXCAVATION, HAULING, GRADING, HYDROMULCH SEEDING AND WATERING OF OVERFLOW SWALE WITH 8 TO 1 SIDE SLOPES AND 20' BOTTOM WIDTH AT 1% SLOPE, COMPLETE IN PLACE	LF	197	\$7.00	\$1,379.00	\$28.00	\$5,516.00	\$1.00	\$197.00
<b>SUBTOTAL DRAINAGE FACILITIES ITEMS</b>					<b>\$257,385.15</b>		<b>\$293,957.15</b>		<b>\$309,854.50</b>
<b>BID SUMMARY</b>									
SUBTOTAL WATER ITEMS					\$72,755.00		\$88,216.80		\$72,700.00
SUBTOTAL SANITARY SEWER ITEMS					\$179,475.70		\$166,888.40		\$179,912.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$257,385.15		\$293,957.15		\$309,854.50
<b>TOTAL AMOUNT BID</b>					<b>\$509,615.85</b>		<b>\$549,062.35</b>		<b>\$562,466.50</b>