

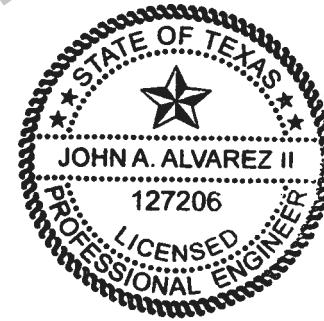
BID TABULATION FOR:


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

CONSTRUCTION OF THE WATER SANITARY SEWER AND DRAINAGE FACILITIES
TO SERVE VISTAS OF KLEIN LAKES SECTION 3
NORTHWEST HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 30
CITY OF HOUSTON E.T.J.; HARRIS COUNTY, TEXAS
JANUARY 11, 2019
LJA ENGINEERING, INC.
A.CAROTHERS
JANUARY 11, 2019
1592-0509 (9.2)

BIDDER'S NAME	TOTAL BID AMOUNT
1) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY	\$814,993.60
2) CROSTEX CONSTRUCTION, INC.	\$850,000.00
3) SENDERO INDUSTRIES, LLC	\$866,967.32
4) PRINCIPAL SERVICES, LTD.	\$875,287.20
5) BLAZEY CONSTRUCTION SERVICES, LLC	\$970,000.00
6) WESTERN MUNICIPAL CONSTRUCTION, INC.	\$1,572,209.00

CALENDAR DAYS - 45/60





I, John Alvarez, P.E., hereby certify these bid tabulations to be true and correct.

1-14-19

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ITEM DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY		2) CROSTEX CONSTRUCTION, INC.		3) SENDERO INDUSTRIES, LLC		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
WATER ITEMS									
1. 4- INCH PVC WATER LINE, C-900, DR 18, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	302	\$16.00	\$4,832.00	\$15.00	\$4,530.00	\$14.00	\$4,228.00	
2. 4-INCH PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	21	\$46.00	\$966.00	\$20.00	\$420.00	\$16.00	\$336.00	
3. 6-INCH PVC WATER LINE, C-900, DR 18, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	571	\$16.00	\$9,136.00	\$15.75	\$8,993.25	\$16.00	\$9,136.00	
4. 6-INCH PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	208	\$29.00	\$6,032.00	\$19.75	\$4,108.00	\$19.00	\$3,952.00	
5. 8-INCH PVC WATER LINE, C-900, DR 18, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1755	\$20.00	\$35,100.00	\$19.25	\$33,783.75	\$21.00	\$36,855.00	
6. 8-INCH PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	419	\$31.00	\$12,989.00	\$26.25	\$10,998.75	\$55.00	\$23,045.00	
7. 8-INCH PVC RESTRAINED JOINT WATER LINE, C-900, DR 14, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	22	\$102.00	\$2,244.00	\$77.00	\$1,694.00	\$68.00	\$1,496.00	
8. STANDARD FIRE HYDRANT ASSEMBLY, ALL DEPTHS, INCLUDING APPROPRIATE TEE, 6-INCH GATE VALVE & BOX, 6-INCH LEAD, THRUST BLOCKING, AND FLUSHING VALVE, COMPLETE IN PLACE	EA	7	\$4,500.00	\$31,500.00	\$3,900.00	\$27,300.00	\$3,659.00	\$25,613.00	
9. 6-INCH GATE VALVE AND BOX, COMPLETE IN PLACE	EA	1	\$800.00	\$800.00	\$670.00	\$670.00	\$700.00	\$700.00	
10. 8-INCH GATE VALVE AND BOX, COMPLETE IN PLACE	EA	8	\$1,200.00	\$9,600.00	\$1,050.00	\$8,400.00	\$1,165.00	\$9,320.00	
11. 2-INCH BLOW-OFF VALVE AND BOX, COMPLETE IN PLACE	EA	5	\$900.00	\$4,500.00	\$605.00	\$3,025.00	\$1,205.00	\$6,025.00	
12. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3,298	\$0.10	\$329.80	\$1.25	\$4,122.50	\$0.01	\$32.98	
12A. PLUG AND CLAMP (ALL SIZES), COMPLETE IN PLACE	EA	5	\$100.00	\$500.00	\$200.00	\$1,000.00	\$185.00	\$925.00	
12B. REMOVAL OF EXISTING PLUG & CLAMP, 2" BLOW-OFF VALVE & BOX AND CONNECT PROPOSED 8" WATER LINE TO EXISTING 8" WATER LINE, ADDITIONALLY INCLUDES ALL NECESSARY ADAPTERS AND CONNECTORS, AND DISINFECTION OF EXISTING WATER LINE AS APPLICABLE, COMPLETE IN PLACE	EA	1	\$210.00	\$210.00	\$500.00	\$500.00	\$515.00	\$515.00	
SUBTOTAL WATER ITEMS				\$118,738.80		\$109,545.25		\$122,178.98	
SANITARY SEWER ITEMS									
1. SHORT SIDE DOUBLE OR SINGLE 6-INCH PVC PIPE SERVICE LEADS, ASTM 2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND NECESSARY FITTINGS, TRENCH SAFETY, ETC., COMPLETE IN PLACE	EA	12	\$1,200.00	\$14,400.00	\$950.00	\$11,400.00	\$675.00	\$8,100.00	
2. LONG SIDE DOUBLE OR SINGLE 6-INCH PVC PIPE SERVICE LEADS, ASTM 2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, STACK, WYE, PLUG, MARKER, AND NECESSARY FITTINGS, TRENCH SAFETY, ETC., COMPLETE IN PLACE	LF	913	\$41.00	\$37,433.00	\$34.00	\$31,042.00	\$26.00	\$23,738.00	
3. LONG SIDE DOUBLE OR SINGLE 8-INCH PVC PIPE SERVICE LEADS, ASTM 2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, STACK, WYE, PLUG, MARKER, AND NECESSARY FITTINGS, TRENCH SAFETY, ETC., COMPLETE IN PLACE	LF	103	\$42.00	\$4,326.00	\$35.00	\$3,605.00	\$29.00	\$2,987.00	

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 JANUARY 11, 2019
 LJA ENGINEERING, INC.
 A.CAROTHERS
 JANUARY 11, 2019
 1592-0509 (9.2)

ITEM DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY		2) CROSTEX CONSTRUCTION, INC.		3) SENDERO INDUSTRIES, LLC	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2088	\$0.10	\$208.80	\$1.25	\$2,610.00	\$0.01	\$20.88
8A. STAGE I – STANDARD 5' REINFORCED CONCRETE PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	28	\$2,250.00	\$63,000.00	\$1,750.00	\$49,000.00	\$2,105.00	\$58,940.00
SUBTOTAL DRAINAGE FACILITIES ITEMS				\$242,426.20		\$303,696.00		\$345,010.88
MISCELLANEOUS ITEMS								
1. FURNISH PERFORMANCE, PAYMENT AND MAINTENANCE BONDS PER CONTRACT, DOCUMENTS, COMPLETE IN PLACE	LS	1	\$13,000.00	\$13,000.00	\$21,486.75	\$21,486.75	\$13,530.00	\$13,530.00
2. STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE INCLUDING PERMITTING, INSPECTIONS, REPORTING, AND MAINTENANCE OF POLLUTION PREVENTION CONTROLS, AND COORDINATION WITH OWNER'S STORM WATER POLLUTION COMPLIANCE CONSULTANT, COMPLETE IN PLACE	LS	1	\$1,400.00	\$1,400.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
3. ADJUST EXISTING STORM SEWER MANHOLE RIM TO FINISH GRADE, COMPLETE IN PLACE	EA	15	\$20.00	\$300.00	\$125.00	\$1,875.00	\$200.00	\$3,000.00
SUBTOTAL MISCELLANEOUS ITEMS				\$14,700.00		\$24,361.75		\$17,530.00
EXTRA WORK ITEMS								
1. ADDITIONAL WATER LINE FITTINGS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	10	\$2,000.00	\$20,000.00	\$2,000.00	\$20,000.00	\$2,000.00	\$20,000.00
2. ADDITIONAL CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	800	\$22.00	\$17,600.00	\$22.00	\$17,600.00	\$22.00	\$17,600.00
3. WELL POINTING SYSTEM FOR TRENCH DEWATERING (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	3,000	\$25.00	\$75,000.00	\$25.00	\$75,000.00	\$25.00	\$75,000.00
4. ADDITIONAL COST FOR SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	3,000	\$15.00	\$45,000.00	\$15.00	\$45,000.00	\$15.00	\$45,000.00
5. HEAVY CLEARING AND GRUBBING OF RIGHT OF WAY AND EASEMENTS, INCLUDING REMOVAL OF UNDERBRUSHING AND REMOVAL OF UNMARKED TREES IN AREAS DESIGNATED ON THE PLANS, COMPLETE IN PLACE	AC	0.6	\$9,700.00	\$5,820.00	\$10,000.00	\$6,000.00	\$8,100.00	\$4,860.00
6. HEAVY CLEARING AND GRUBBING OF LOTS, INCLUDING REMOVAL OF UNDERBRUSHING AND REMOVAL OF UNMARKED TREES IN AREAS DESIGNATED ON THE PLANS, COMPLETE IN PLACE	AC	1.1	\$7,400.00	\$8,140.00	\$10,000.00	\$11,000.00	\$8,100.00	\$8,910.00
7. UTILITY SPOILS (ESTIMATED QUANTITY OF 2,400 CUBIC YARDS), INCLUDES HAULING 0.5 MILE OFF-ROAD, STRIPPING, STOCK PILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$37,600.00	\$37,600.00	\$8,500.00	\$8,500.00	\$10,895.00	\$10,895.00
8. EXTRA COST OF SANITARY SEWER WET SAND CONSTRUCTION AS PER CITY OF HOUSTON DRAWING NO. 02317-01, 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
9. EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER CITY OF HOUSTON DRAWING NO. 02317-03, 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
10. 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	\$200.00	\$200.00	\$50.00	\$50.00
11. EXTRA DEWATERING FOR UTILITY LINES, ALL LINES SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$20.00	\$10,000.00

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 NORTHWEST HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 30
 CITY OF HOUSTON E.T.J.; HARRIS COUNTY, TEXAS
 JANUARY 11, 2019
 LJA ENGINEERING, INC.
 A.CAROTHERS
 JANUARY 11, 2019
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ITEM	DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY		2) CROSTEX CONSTRUCTION, INC.		3) SENDERO INDUSTRIES, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4.	8-INCH PVC SEWER PIPE, ASTM D-3034, SDR 26, 0 TO 8 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	933	\$26.00	\$24,258.00	\$24.00	\$22,392.00	\$22.00	\$20,526.00
5.	8-INCH PVC SEWER PIPE, ASTM D-3034, SDR 26, 8 TO 12 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	466	\$28.00	\$13,048.00	\$28.00	\$13,048.00	\$25.00	\$11,650.00
6.	10-INCH PVC SEWER PIPE, ASTM D-3034, SDR 26, 0 TO 8 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	77	\$32.00	\$2,464.00	\$27.00	\$2,079.00	\$27.00	\$2,079.00
7.	10-INCH PVC SEWER PIPE, ASTM D-3034, SDR 26, 0 TO 8 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	77	\$32.00	\$2,464.00	\$27.00	\$2,079.00	\$28.00	\$2,156.00
8.	10-INCH PVC SEWER PIPE, ASTM D-3034, SDR 26, 8 TO 12 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	929	\$34.00	\$31,586.00	\$31.00	\$28,799.00	\$31.00	\$28,799.00
9.	10-INCH PVC SEWER PIPE, ASTM D-3034, SDR 26, 12 TO 16 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	441	\$35.00	\$15,435.00	\$35.50	\$15,655.50	\$36.00	\$15,876.00
10.	STANDARD SANITARY SEWER MANHOLE FOR 6-INCH TO 24-INCH SANITARY SEWER PIPES (8 FOOT DEPTH), INCLUDING INTERIOR COATING, COMPLETE IN PLACE	EA	27	\$2,000.00	\$54,000.00	\$2,200.00	\$59,400.00	\$2,135.00	\$57,645.00
11.	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE, (OVER 8 FOOT DEPTH), INCLUDING INTERIOR COATING, COMPLETE IN PLACE	VF	32	\$150.00	\$4,800.00	\$220.00	\$7,040.00	\$125.00	\$4,000.00
12.	CORE EXISTING SANITARY SEWER MANHOLE AND CONNECT 10-INCH SANITARY SEWER COMPLETE IN PLACE	EA	1	\$1,200.00	\$1,200.00	\$1,750.00	\$1,750.00	\$1,000.00	\$1,000.00
13.	STANDARD EXTERIOR DROP STRUCTURE AT MANHOLE FOR 6 INCH TO 24-INCH SANITARY SEWER PIPES, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$750.00	\$1,500.00	\$295.00	\$590.00
14.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2,846	\$0.10	\$284.60	\$1.25	\$3,557.50	\$0.01	\$28.46
14A.	AUGER FOR 6 INCH SANITARY PIPE LEAD, DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LF	66	\$120.00	\$7,920.00	\$50.00	\$3,300.00	\$23.00	\$1,518.00
14B.	ADDITIONAL COST FOR WATER AND SANITARY SEWER CROSSINGS, ALL DEPTHS, INCLUDES UPGRADE TO 18' SECTION FOR RESTRAINED JOINT AWWA C900 DR 18 PIPE FOR BOTH WATER AND SANITARY SEWER LINES WHERE APPLICABLE AND RESTRAINED JOINT FITTINGS, COMPLETE IN PLACE	EA	4	\$300.00	\$1,200.00	\$1,000.00	\$4,000.00	\$200.00	\$800.00
SUBTOTAL SANITARY SEWER ITEMS					\$215,818.60		\$210,647.00		\$181,492.46
DRAINAGE FACILITIES ITEMS									
1.	24-INCH RCP, C-76 CLASS III CULVERT, ALL DEPTHS, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	220	\$85.00	\$18,700.00	\$74.75	\$16,445.00	\$71.00	\$15,620.00
2.	24-INCH RCP, C-76 CLASS III STORM SEWER, ALL DEPTHS, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,868	\$63.00	\$117,684.00	\$60.75	\$113,481.00	\$65.00	\$121,420.00
3.	STANDARD (TYPE "H2") INLET, ALL DEPTHS, INCLUDING TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	28	\$100.00	\$2,800.00	\$2,400.00	\$67,200.00	\$2,836.00	\$79,408.00
4.	TYPE "C" MANHOLE FOR 42-INCH STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	15	\$1,665.16	\$24,977.40	\$2,200.00	\$33,000.00	\$3,925.00	\$58,875.00
5.	SLOPED END TREATMENT (4:1) FOR 24-INCH STORM SEWER, COMPLETE IN PLACE	EA	4	\$700.00	\$2,800.00	\$2,500.00	\$10,000.00	\$1,555.00	\$6,220.00
6.	CORE EXISTING STORM SEWER MANHOLE AND CONNECT 24-INCH STORM SEWER, INCLUDING ALL FITTINGS AND APPURTENANCES AND BEDDING AND BACK FILL, COMPLETE IN PLACE	EA	9	\$1,000.00	\$9,000.00	\$1,000.00	\$9,000.00	\$435.00	\$3,915.00
7.	EXCAVATE SWALE TO LINES AND GRADES SHOWN ON THE PLANS, COMPLETE IN PLACE	LF	296	\$11.00	\$3,256.00	\$10.00	\$2,960.00	\$2.00	\$592.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12.	EXTRA BROADCAST SEEDING, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	1	\$600.00	\$600.00	\$450.00	\$450.00	\$450.00	\$450.00
13.	TEMPORARY BY-PASS PUMPING FOR CONNECTIONS TO EXISTING STORM, 1 DAY CONSTITUTES 24 HOURS OF USE (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	DAY	3	\$100.00	\$300.00	\$1,500.00	\$4,500.00	\$1,580.00	\$4,740.00
14.	EXTRA REINFORCED FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$3.00	\$300.00	\$1.50	\$150.00
15.	EXTRA FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$2.00	\$200.00	\$1.00	\$100.00
SUBTOTAL EXTRA WORK ITEMS					\$223,310.00		\$201,750.00		\$200,755.00
BID SUMMARY									
SUBTOTAL WATER ITEMS					\$118,738.80		\$109,545.25		\$122,178.98
SUBTOTAL SANITARY SEWER ITEMS					\$215,818.60		\$210,647.00		\$181,492.46
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$242,426.20		\$303,696.00		\$345,010.88
SUBTOTAL MISCELLANEOUS ITEMS					\$14,700.00		\$24,361.75		\$17,530.00
SUBTOTAL EXTRA WORK ITEMS					\$223,310.00		\$201,750.00		\$200,755.00
TOTAL AMOUNT BID					\$814,993.60		\$850,000.00		\$866,967.32

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			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
WATER ITEMS									
1. 4- INCH PVC WATER LINE, C-900, DR 18, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	302	\$20.00	\$6,040.00	\$16.00	\$4,832.00	\$25.00	\$7,550.00	
2. 4-INCH PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	21	\$45.00	\$945.00	\$17.00	\$357.00	\$35.00	\$735.00	
3. 6-INCH PVC WATER LINE, C-900, DR 18, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	571	\$20.00	\$11,420.00	\$18.00	\$10,278.00	\$28.00	\$15,988.00	
4. 6-INCH PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	208	\$25.00	\$5,200.00	\$22.00	\$4,576.00	\$35.00	\$7,280.00	
5. 8-INCH PVC WATER LINE, C-900, DR 18, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1755	\$22.00	\$38,610.00	\$23.00	\$40,365.00	\$42.00	\$73,710.00	
6. 8-INCH PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	419	\$30.00	\$12,570.00	\$34.00	\$14,246.00	\$44.00	\$18,436.00	
7. 8-INCH PVC RESTRAINED JOINT WATER LINE, C-900, DR 14, ALL DEPTHS, INCLUDING FITTINGS, THRUST BLOCKING AND APPURTENANCES WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	22	\$105.00	\$2,310.00	\$50.00	\$1,100.00	\$98.00	\$2,156.00	
8. STANDARD FIRE HYDRANT ASSEMBLY, ALL DEPTHS, INCLUDING APPROPRIATE TEE, 6-INCH GATE VALVE & BOX, 6-INCH LEAD, THRUST BLOCKING, AND FLUSHING VALVE, COMPLETE IN PLACE	EA	7	\$3,500.00	\$24,500.00	\$3,267.00	\$22,869.00	\$4,950.00	\$34,650.00	
9. 6-INCH GATE VALVE AND BOX, COMPLETE IN PLACE	EA	1	\$700.00	\$700.00	\$640.00	\$640.00	\$1,450.00	\$1,450.00	
10. 8-INCH GATE VALVE AND BOX, COMPLETE IN PLACE	EA	8	\$1,000.00	\$8,000.00	\$972.00	\$7,776.00	\$1,850.00	\$14,800.00	
11. 2-INCH BLOW-OFF VALVE AND BOX, COMPLETE IN PLACE	EA	5	\$800.00	\$4,000.00	\$966.00	\$4,830.00	\$1,400.00	\$7,000.00	
12. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3,298	\$0.10	\$329.80	\$0.30	\$989.40	\$1.00	\$3,298.00	
12A. PLUG AND CLAMP (ALL SIZES), COMPLETE IN PLACE	EA	5	\$200.00	\$1,000.00	\$970.00	\$4,850.00	\$3,500.00	\$17,500.00	
12B. REMOVAL OF EXISTING PLUG & CLAMP, 2" BLOW-OFF VALVE & BOX AND CONNECT PROPOSED 8" WATER LINE TO EXISTING 8" WATER LINE, ADDITIONALLY INCLUDES ALL NECESSARY ADAPTERS AND CONNECTORS, AND DISINFECTION OF EXISTING WATER LINE AS APPLICABLE, COMPLETE IN PLACE	EA	1	\$300.00	\$300.00	\$640.00	\$640.00	\$4,200.00	\$4,200.00	
SUBTOTAL WATER ITEMS				\$115,924.80		\$118,348.40		\$208,753.00	
SANITARY SEWER ITEMS									
1. SHORT SIDE DOUBLE OR SINGLE 6-INCH PVC PIPE SERVICE LEADS, ASTM 2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND NECESSARY FITTINGS, TRENCH SAFETY, ETC., COMPLETE IN PLACE	EA	12	\$1,400.00	\$16,800.00	\$815.00	\$9,780.00	\$1,680.00	\$20,160.00	
2. LONG SIDE DOUBLE OR SINGLE 6-INCH PVC PIPE SERVICE LEADS, ASTM 2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, STACK, WYE, PLUG, MARKER, AND NECESSARY FITTINGS, TRENCH SAFETY, ETC., COMPLETE IN PLACE	LF	913	\$34.00	\$31,042.00	\$61.00	\$55,693.00	\$40.00	\$36,520.00	
3. LONG SIDE DOUBLE OR SINGLE 8-INCH PVC PIPE SERVICE LEADS, ASTM 2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, STACK, WYE, PLUG, MARKER, AND NECESSARY FITTINGS, TRENCH SAFETY, ETC., COMPLETE IN PLACE	LF	103	\$34.00	\$3,502.00	\$63.00	\$6,489.00	\$42.00	\$4,326.00	

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CONSTRUCTION OF THE WATER SANITARY SEWER AND DRAINAGE FACILITIES
 TO SERVE VISTAS OF KLEIN LAKES SECTION 3
 NORTHWEST HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 30
 CITY OF HOUSTON E.T.J.; HARRIS COUNTY, TEXAS
 JANUARY 11, 2019
 LJA ENGINEERING, INC.
 A.CAROTHERS
 JANUARY 11, 2019
 1592-0509 (9.2)

4) PRINCIPAL SERVICES, LTD.

5) BLAZEY CONSTRUCTION SERVICES, LLC

6) WESTERN MUNICIPAL CONSTRUCTION, INC.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4.	8-INCH PVC SEWER PIPE, ASTM D-3034, SDR 26, 0 TO 8 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	933	\$27.00	\$25,191.00	\$29.00	\$27,057.00	\$32.00	\$29,856.00
5.	8-INCH PVC SEWER PIPE, ASTM D-3034, SDR 26, 8 TO 12 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	466	\$28.00	\$13,048.00	\$30.00	\$13,980.00	\$35.00	\$16,310.00
6.	10-INCH PVC SEWER PIPE, ASTM D-3034, SDR 26, 0 TO 8 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	77	\$30.00	\$2,310.00	\$32.00	\$2,464.00	\$38.00	\$2,926.00
7.	10-INCH PVC SEWER PIPE, ASTM D-3034, SDR 26, 0 TO 8 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	77	\$30.00	\$2,310.00	\$33.00	\$2,541.00	\$42.00	\$3,234.00
8.	10-INCH PVC SEWER PIPE, ASTM D-3034, SDR 26, 8 TO 12 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	929	\$34.00	\$31,586.00	\$34.00	\$31,586.00	\$50.00	\$46,450.00
9.	10-INCH PVC SEWER PIPE, ASTM D-3034, SDR 26, 12 TO 16 FOOT CUT, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	441	\$44.00	\$19,404.00	\$35.00	\$15,435.00	\$52.00	\$22,932.00
10.	STANDARD SANITARY SEWER MANHOLE FOR 6-INCH TO 24-INCH SANITARY SEWER PIPES (8 FOOT DEPTH), INCLUDING INTERIOR COATING, COMPLETE IN PLACE	EA	27	\$1,800.00	\$48,600.00	\$2,130.00	\$57,510.00	\$5,000.00	\$135,000.00
11.	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE, (OVER 8 FOOT DEPTH), INCLUDING INTERIOR COATING, COMPLETE IN PLACE	VF	32	\$150.00	\$4,800.00	\$139.00	\$4,448.00	\$150.00	\$4,800.00
12.	CORE EXISTING SANITARY SEWER MANHOLE AND CONNECT 10-INCH SANITARY SEWER COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$1,850.00	\$1,850.00	\$500.00	\$500.00
13.	STANDARD EXTERIOR DROP STRUCTURE AT MANHOLE FOR 6 INCH TO 24-INCH SANITARY SEWER PIPES, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$700.00	\$1,400.00 *	\$894.00	\$1,788.00	\$3,500.00	\$7,000.00
14.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2,846	\$0.10	\$284.60	\$0.30	\$853.80	\$1.00	\$2,846.00
14A.	AUGER FOR 6 INCH SANITARY PIPE LEAD, DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LF	66	\$290.00	\$19,140.00	\$65.00	\$4,290.00	\$38.00	\$2,508.00
14B.	ADDITIONAL COST FOR WATER AND SANITARY SEWER CROSSINGS, ALL DEPTHS, INCLUDES UPGRADE TO 18' SECTION FOR RESTRAINED JOINT AWWA C900 DR 18 PIPE FOR BOTH WATER AND SANITARY SEWER LINES WHERE APPLICABLE AND RESTRAINED JOINT FITTINGS, COMPLETE IN PLACE	EA	4	\$250.00	\$1,000.00	\$2,034.00	\$8,136.00	\$2,800.00	\$11,200.00
SUBTOTAL SANITARY SEWER ITEMS					\$221,417.60 *		\$243,900.80		\$346,568.00
DRAINAGE FACILITIES ITEMS									
1.	24-INCH RCP, C-76 CLASS III CULVERT, ALL DEPTHS, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	220	\$66.00	\$14,520.00	\$64.00	\$14,080.00	\$140.00	\$30,800.00
2.	24-INCH RCP, C-76 CLASS III STORM SEWER, ALL DEPTHS, WITH STANDARD BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,868	\$61.00	\$113,948.00	\$60.00	\$112,080.00	\$150.00	\$280,200.00
3.	STANDARD (TYPE "H2") INLET, ALL DEPTHS, INCLUDING TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	28	\$2,800.00	\$78,400.00	\$2,950.00	\$82,600.00	\$3,850.00	\$107,800.00
4.	TYPE "C" MANHOLE FOR 42-INCH STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	15	\$1,900.00	\$28,500.00	\$2,107.00	\$31,605.00	\$5,000.00	\$75,000.00
5.	SLOPED END TREATMENT (4:1) FOR 24-INCH STORM SEWER, COMPLETE IN PLACE	EA	4	\$1,200.00	\$4,800.00	\$995.00	\$3,980.00	\$2,000.00	\$8,000.00
6.	CORE EXISTING STORM SEWER MANHOLE AND CONNECT 24-INCH STORM SEWER, INCLUDING ALL FITTINGS AND APPURTENANCES AND BEDDING AND BACK FILL, COMPLETE IN PLACE	EA	9	\$600.00	\$5,400.00	\$2,300.00	\$20,700.00	\$980.00	\$8,820.00
7.	EXCAVATE SWALE TO LINES AND GRADES SHOWN ON THE PLANS, COMPLETE IN PLACE	LF	296	\$8.00	\$2,368.00	\$3.00	\$888.00	\$5.00	\$1,480.00

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 TO SERVE VISTAS OF KLEIN LAKES SECTION 3
 NORTHWEST HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 30
 CITY OF HOUSTON E.T.J.; HARRIS COUNTY, TEXAS
 JANUARY 11, 2019
 LJA ENGINEERING, INC.
 A.CAROTHERS
 JANUARY 11, 2019
 1592-0509 (9.2)

ITEM DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD.		5) BLAZEY CONSTRUCTION SERVICES, LLC		6) WESTERN MUNICIPAL CONSTRUCTION, INC.	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2088	\$0.10	\$208.80	\$0.30	\$626.40	\$1.00	\$2,088.00
8A. STAGE I – STANDARD 5' REINFORCED CONCRETE PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	28	\$1,500.00	\$42,000.00	\$2,854.00	\$79,912.00	\$4,000.00	\$112,000.00
SUBTOTAL DRAINAGE FACILITIES ITEMS				\$290,144.80		\$346,471.40		\$626,188.00
MISCELLANEOUS ITEMS								
1. FURNISH PERFORMANCE, PAYMENT AND MAINTENANCE BONDS PER CONTRACT, DOCUMENTS, COMPLETE IN PLACE	LS	1	\$12,000.00	\$12,000.00	\$27,014.40	\$27,014.40	\$27,000.00	\$27,000.00
2. STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE INCLUDING PERMITTING, INSPECTIONS, REPORTING, AND MAINTENANCE OF POLLUTION PREVENTION CONTROLS, AND COORDINATION WITH OWNER'S STORM WATER POLLUTION COMPLIANCE CONSULTANT, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$1,115.00	\$1,115.00	\$21,500.00	\$21,500.00
3. ADJUST EXISTING STORM SEWER MANHOLE RIM TO FINISH GRADE, COMPLETE IN PLACE	EA	15	\$800.00	\$12,000.00	\$390.00	\$5,850.00	\$750.00	\$11,250.00
SUBTOTAL MISCELLANEOUS ITEMS				\$25,000.00		\$33,979.40		\$59,750.00
EXTRA WORK ITEMS								
1. ADDITIONAL WATER LINE FITTINGS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	10	\$2,000.00	\$20,000.00	\$2,000.00	\$20,000.00	\$2,000.00	\$20,000.00
2. ADDITIONAL CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	800	\$22.00	\$17,600.00	\$22.00	\$17,600.00	\$50.00	\$40,000.00
3. WELL POINTING SYSTEM FOR TRENCH DEWATERING (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	3,000	\$25.00	\$75,000.00	\$25.00	\$75,000.00	\$45.00	\$135,000.00
4. ADDITIONAL COST FOR SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	3,000	\$15.00	\$45,000.00	\$15.00	\$45,000.00	\$15.00	\$45,000.00
5. HEAVY CLEARING AND GRUBBING OF RIGHT OF WAY AND EASEMENTS, INCLUDING REMOVAL OF UNDERBRUSHING AND REMOVAL OF UNMARKED TREES IN AREAS DESIGNATED ON THE PLANS, COMPLETE IN PLACE	AC	0.6	\$15,000.00	\$9,000.00	\$22,300.00	\$13,380.00	\$20,000.00	\$12,000.00
6. HEAVY CLEARING AND GRUBBING OF LOTS, INCLUDING REMOVAL OF UNDERBRUSHING AND REMOVAL OF UNMARKED TREES IN AREAS DESIGNATED ON THE PLANS, COMPLETE IN PLACE	AC	1.1	\$15,000.00	\$16,500.00	\$11,150.00	\$12,265.00	\$12,000.00	\$13,200.00
7. UTILITY SPOILS (ESTIMATED QUANTITY OF 2,400 CUBIC YARDS), INCLUDES HAULING 0.5 MILE OFF-ROAD, STRIPPING, STOCK PILING OF STRIPPINGS, COMPACTION TO 95% STANDARD PROCTOR DENSITY, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$11,000.00	\$11,000.00	\$20,300.00	\$20,300.00	\$25,200.00	\$25,200.00
8. EXTRA COST OF SANITARY SEWER WET SAND CONSTRUCTION AS PER CITY OF HOUSTON DRAWING NO. 02317-01, 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	\$15.00	\$7,500.00	\$25.00	\$12,500.00
9. EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER CITY OF HOUSTON DRAWING NO. 02317-03, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$5.00	\$500.00	\$15.00	\$1,500.00	\$30.00	\$3,000.00
10. 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	\$850.00	\$850.00
11. EXTRA DEWATERING FOR UTILITY LINES, ALL LINES SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$22.00	\$11,000.00	\$20.00	\$10,000.00

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 TO SERVE VISTAS OF KLEIN LAKES SECTION 3
 NORTHWEST HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 30
 CITY OF HOUSTON E.T.J.; HARRIS COUNTY, TEXAS
 JANUARY 11, 2019
 LJA ENGINEERING, INC.
 A.CAROTHERS
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ITEM	DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD.		5) BLAZEY CONSTRUCTION SERVICES, LLC		6) WESTERN MUNICIPAL CONSTRUCTION, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12.	EXTRA BROADCAST SEEDING, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	1	\$450.00	\$450.00	\$800.00	\$800.00	\$500.00	\$500.00
13.	TEMPORARY BY-PASS PUMPING FOR CONNECTIONS TO EXISTING STORM, 1 DAY CONSTITUTES 24 HOURS OF USE (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	DAY	3	\$5,000.00	\$15,000.00	\$850.00	\$2,550.00	\$4,500.00	\$13,500.00
14.	EXTRA REINFORCED FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$1.40	\$140.00	\$1.00	\$100.00
15.	EXTRA FILTER FABRIC FENCE, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$1.15	\$115.00	\$1.00	\$100.00
SUBTOTAL EXTRA WORK ITEMS					\$222,800.00		\$227,300.00		\$330,950.00
BID SUMMARY									
SUBTOTAL WATER ITEMS					\$115,924.80		\$118,348.40		\$208,753.00
SUBTOTAL SANITARY SEWER ITEMS					\$221,417.60		\$243,900.80		\$346,568.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$290,144.80		\$346,471.40		\$626,188.00
SUBTOTAL MISCELLANEOUS ITEMS					\$25,000.00		\$33,979.40		\$59,750.00
SUBTOTAL EXTRA WORK ITEMS					\$222,800.00		\$227,300.00		\$330,950.00
TOTAL AMOUNT BID					\$875,287.20		\$970,000.00		\$1,572,209.00

LJA Engineering, Inc.