

BID TABULATION FOR:

WATER, SANITARY, SEWER AND DRAINAGE FACILITIES T
TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
JANUARY 28, 2021
LJA ENGINEERING, INC.
E. MURPHY
JANUARY 28, 2021
1750-3213D (9.2)

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

BIDDER'S NAME	TOTAL AMOUNT BID
1) GONZALEZ CONSTRUCTION ENTERPRISE, INC.	\$1,480,608.52
2) BAY UTILITIES. LLC	\$1,621,015.20
3) HURTADO CONSTRUCTION COMPANY	\$1,698,766.38
4) PRINCIPAL SERVICES, LTD	\$1,699,485.40
5) BLAZEY CONSTRUCTION SERVICES LLC	\$1,724,787.54
6) CE BARKER, LTD	\$1,786,204.46
7) R CONSTRUCTION CIVIL	\$1,808,591.28

CALENDAR DAYS 75/90

Andrew Bowman

I, Andrew Bowman, PE, hereby certify these bid tabulations to be true and correct



02/01/21

LJA ENGINEERING, INC.

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ITEM	DESCRIPTION	UNIT	QTY	GONZALEZ CONSTRUCTION ENTERPRISE, IN		2) BAY UTILITIES. LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
KATY MANOR SOUTH SECTION 3 WATER ITEMS									
1	12" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	697	\$32.08	\$22,359.76	\$30.00	\$20,910.00	\$32.88	\$22,917.36
2	8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	465	\$18.89	\$8,783.85	\$18.00	\$8,370.00	\$25.88	\$12,034.20
3	6" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	101	\$14.19	\$1,433.19	\$15.00	\$1,515.00	\$22.88	\$2,310.88
4	4" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	93	\$10.28	\$956.04	\$12.00	\$1,116.00	\$19.28	\$1,793.04
5	12" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	382	\$41.99	\$16,040.18	\$54.00	\$20,628.00	\$42.88	\$16,380.16
6	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	675	\$24.38	\$16,456.50	\$29.00	\$19,575.00	\$28.98	\$19,561.50
7	6" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	93	\$19.17	\$1,782.81	\$22.00	\$2,046.00	\$24.88	\$2,313.84
8	TRENCH SAFETY SYSTEM FOR WATER LINE, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	3251	\$0.10	\$325.10	\$0.10	\$325.10	\$0.08	\$260.08
9	12" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	4	\$2,014.62	\$8,058.48	\$1,800.00	\$7,200.00	\$1,828.00	\$7,312.00
10	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	5	\$1,037.28	\$5,186.40	\$1,000.00	\$5,000.00	\$968.00	\$4,840.00
11	6" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	1	\$721.51	\$721.51	\$800.00	\$800.00	\$688.00	\$688.00
12	FIRE HYDRANT UNIT, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE & BOX, AND LEAD PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	7	\$3,488.14	\$24,416.98	\$3,300.00	\$23,100.00	\$3,568.00	\$24,976.00
13	12" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$125.00	\$125.00	\$300.00	\$300.00	\$198.00	\$198.00
14	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$65.00	\$65.00	\$200.00	\$200.00	\$168.00	\$168.00
15	4" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$35.00	\$35.00	\$150.00	\$150.00	\$128.00	\$128.00
16	2" BLOW-OFF VALVE & BOX ASSEMBLY, COMPLETE IN PLACE	EA	3	\$367.53	\$1,102.59	\$300.00	\$900.00	\$288.00	\$864.00
17	SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	16	\$423.82	\$6,781.12	\$650.00	\$10,400.00	\$658.00	\$10,528.00
18	LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	19	\$636.03	\$12,084.57	\$1,500.00	\$28,500.00	\$1,528.00	\$29,032.00
19	14" STEEL CASING FOR 8" WATER LINE, (EXCLUDES CARRIER PIPE), INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	380	\$43.20	\$16,416.00	\$32.00	\$12,160.00	\$48.28	\$18,346.40
20	DRY AUGER FOR 14" CASING AND 8" WATER LINE, (EXCLUDES CASING AND CARRIER PIPE), INCLUDES BORE PITS, ALL DEPTHS, COMPLETE IN PLACE	LF	380	\$181.54	\$68,985.20	\$200.00	\$76,000.00	\$180.00	\$68,400.00
21	WET CONNECTION FOR PROPOSED 12" WATER LINE TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, AND REMOVAL OF EXISTING PLUG & CLAMP AND 2" BLOW-OFF VALVE & BOX, COMPLETE IN PLACE	EA	1	\$125.25	\$125.25	\$1,000.00	\$1,000.00	\$588.00	\$588.00

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ITEM	DESCRIPTION	UNIT	QTY	GONZALEZ CONSTRUCTION ENTERPRISE, IN		2) BAY UTILITIES. LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
22	1" WATER METER ASSEMBLY AND VAULT, WITH BACK FLOW PREVENTION DEVICE, COMPLETE IN PLACE	EA	2	\$3,463.34	\$6,926.68	\$4,000.00	\$8,000.00	\$3,688.00	\$7,376.00
23	WET CONNECTION FOR PROPOSED WATER LEAD TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, COMPLETE IN PLACE	EA	1	\$436.00	\$436.00	\$1,000.00	\$1,000.00	\$788.00	\$788.00
KATY MANOR SOUTH SECTION 3 WATER ITEMS SUBTOTAL:					\$219,603.21		\$249,195.10		\$251,803.46
KATY MANOR SOUTH SECTION 3 SANITARY SEWER ITEMS									
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	281	\$22.28	\$6,260.68	\$32.00	\$8,992.00	\$31.78	\$8,930.18
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1052	\$23.94	\$25,184.88	\$33.00	\$34,716.00	\$33.88	\$35,641.76
3	10" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	327	\$28.24	\$9,234.48	\$35.00	\$11,445.00	\$35.98	\$11,765.46
4	12" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	384	\$38.59	\$14,818.56	\$41.00	\$15,744.00	\$39.08	\$15,006.72
5	12" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	165	\$40.26	\$6,642.90	\$43.00	\$7,095.00	\$40.88	\$6,745.20
6	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2815	\$0.10	\$281.50	\$0.10	\$281.50	\$0.08	\$225.20
7	STANDARD 4' DIAMETER PRECAST SANITARY SEWER MANHOLE, (0' - 8' DEPTH), INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	14	\$2,231.10	\$31,235.40	\$1,800.00	\$25,200.00	\$2,038.00	\$28,532.00
8	EXTRA VERTICAL DEPTH OF SANITARY SEWER MANHOLES (OVER 8' DEPTH), ALL SIZES, COMPLETE IN PLACE	VF	31	\$120.00	\$3,720.00	\$129.00	\$3,999.00	\$98.00	\$3,038.00
9	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$434.39	\$868.78	\$500.00	\$1,000.00	\$508.00	\$1,016.00
10	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	12	\$2,074.78	\$24,897.36	\$2,400.00	\$28,800.00	\$2,668.00	\$32,016.00
11	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	19	\$654.82	\$12,441.58	\$900.00	\$17,100.00	\$948.00	\$18,012.00
12	20" STEEL CASING FOR 12" SANITARY SEWER, (EXCLUDES CARRIER PIPE), INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	192	\$53.96	\$10,360.32	\$45.00	\$8,640.00	\$79.88	\$15,336.96
13	DRY AUGER FOR 20" STEEL CASING AND 12" SANITARY SEWER, (EXCLUDES CASING & CARRIER PIPE), INCLUDES RESTRAINED JOINT PIPE AND BORE PITS, ALL DEPTHS, COMPLETE IN PLACE	LF	192	\$253.97	\$48,762.24	\$237.00	\$45,504.00	\$208.00	\$39,936.00
14	REMOVE AND OFFSITE DISPOSAL OF EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED SANITARY SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$25.00	\$25.00	\$100.00	\$100.00	\$88.00	\$88.00
15	VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	2209	\$0.10	\$220.90	\$1.00	\$2,209.00	\$0.01	\$22.09
16	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1000	\$15.00	\$15,000.00	\$15.00	\$15,000.00	\$15.00	\$15,000.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
17	DEWATERING FOR SANITARY SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1000	\$22.00	\$22,000.00	\$22.00	\$22,000.00	\$22.00	\$22,000.00	
18	CLEANING OF SANITARY SEWER, ALL SIZES, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	2209	\$0.10	\$220.90	\$0.85	\$1,877.65	\$0.01	\$22.09	
KATY MANOR SOUTH SECTION 3 SANITARY SEWER ITEMS SUBTOTAL:					\$232,175.48		\$249,703.15		\$253,333.66	
KATY MANOR SOUTH SECTION 3 DRAINAGE FACILITIES ITEMS										
1	24" STORM SEWER LEAD, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	245	\$52.69	\$12,909.05	\$44.00	\$10,780.00	\$64.08	\$15,699.60	
2	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	569	\$52.69	\$29,980.61	\$44.00	\$25,036.00	\$63.68	\$36,233.92	
3	36" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	532	\$88.52	\$47,092.64	\$75.00	\$39,900.00	\$97.88	\$52,072.16	
4	48" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	140	\$136.02	\$19,042.80	\$117.00	\$16,380.00	\$142.08	\$19,891.20	
5	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	14	\$1,692.75	\$23,698.50	\$1,900.00	\$26,600.00	\$1,768.00	\$24,752.00	
6	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,858.25	\$2,858.25	\$2,800.00	\$2,800.00	\$2,428.00	\$2,428.00	
7	STAGE I – REINFORCED CONCRETE TYPE "C" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	13	\$719.25	\$9,740.25	\$1,400.00	\$18,200.00	\$868.00	\$11,284.00	
8	STAGE II – REINFORCED CONCRETE TYPE "C" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	13	\$1,037.65	\$13,492.05	\$1,000.00	\$13,000.00	\$1,308.00	\$17,004.00	
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING 8" BRICK PLUG AND CONNECT 48" RCP TO EXISTING 48" RCP, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$150.00	\$150.00	\$800.00	\$800.00	\$188.00	\$188.00	
10	REMOVE AND OFFSITE DISPOSAL OF EXISTING 8" BRICK PLUG AND CONNECT TYPE "C" INLET TO EXISTING 24" RCP, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$333.00	\$333.00	\$300.00	\$300.00	\$2,478.00	\$2,478.00	
11	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1486	\$0.10	\$148.60	\$0.10	\$148.60	\$0.18	\$267.48	
12	CONTRACTOR SHALL CONSTRUCT AND REMOVE A TEMPORARY COFFER DAM, OR STORM PLUG, FOR THE CONSTRUCTION OF STORM SEWER CONNECTION TO EXISTING STORM SEWER, INCLUDES DEWATERING AND ALL APPURTENANCES, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,776.00	\$1,776.00	\$2,000.00	\$2,000.00	\$88.00	\$88.00	
13	REMOVE EXISTING REINFORCED CONCRETE TYPE "E" INLET TOP AND REPLACE WITH TYPE "C" STORM MANHOLE TOP, FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,348.65	\$1,348.65	\$1,800.00	\$1,800.00	\$2,888.00	\$2,888.00	
14	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	1523	\$0.10	\$152.30	\$2.25	\$3,426.75	\$0.08	\$121.84	
15	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1000	\$15.00	\$15,000.00	\$15.00	\$15,000.00	\$15.00	\$15,000.00	
16	DEWATERING FOR STORM SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1000	\$22.00	\$22,000.00	\$22.00	\$22,000.00	\$22.00	\$22,000.00	
17	CLEAN OUT EXISTING OUTFALL PIPES, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$1,800.00	\$1,800.00	\$188.00	\$188.00	
18	8" BRICK PLUG FOR 24" RCP STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$150.00	\$150.00	\$125.00	\$125.00	\$88.00	\$88.00	

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KATY MANOR SOUTH SECTION 3 DRAINAGE FACILITIES ITEMS SUBTOTAL:					\$200,372.70		\$200,095.35		\$222,672.20	
KATY MANOR SOUTH SECTION 3 MISCELLANEOUS ITEMS										
1	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	5914	\$1.00	\$5,914.00	\$1.25	\$7,392.50	\$1.00	\$5,914.00	
2	INSTALL AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,221.00	\$1,221.00	\$2,300.00	\$2,300.00	\$800.00	\$800.00	
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$600.00	\$600.00	\$75.00	\$75.00	\$888.00	\$888.00	
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$25.00	\$25.00	\$200.00	\$200.00	\$888.00	\$888.00	
5	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	29	\$12.00	\$348.00	\$12.00	\$348.00	\$12.00	\$348.00	
6	INLET PROTECTION BARRIER FOR STAGE II INLET, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	15	\$35.00	\$525.00	\$55.00	\$825.00	\$1.00	\$15.00	
7	BROADCASTING SEEDING FOR R.O.W., INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	2	\$610.50	\$1,221.00	\$700.00	\$1,400.00	\$1.00	\$2.00	
8	EXTRA CEMENT STABILIZED SAND PER GEOTECHNICAL REPORT (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00	
9	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$3,219.00	\$3,219.00	\$4,700.00	\$4,700.00	\$1,800.00	\$1,800.00	
10	WOOD MATS AT LOCATIONS WHERE THE CONTRACTOR CROSSES EXISTING PIPELINES, AS REQUIRED BY EACH PIPELINE'S REPRESENTATIVES, COMPLETE IN PLACE	EA	1	\$1,665.00	\$1,665.00	\$12,000.00	\$12,000.00	\$88.00	\$88.00	
KATY MANOR SOUTH SECTION 3 MISCELLANEOUS ITEMS SUBTOTAL:					\$16,738.00		\$31,240.50		\$12,743.00	
KATY MANOR SOUTH SECTION 4 WATER ITEMS										
1	12" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1299	\$32.46	\$42,165.54	\$31.00	\$40,269.00	\$32.88	\$42,711.12	
2	8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1037	\$18.57	\$19,257.09	\$19.00	\$19,703.00	\$23.28	\$24,141.36	
3	6" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	360	\$13.79	\$4,964.40	\$15.00	\$5,400.00	\$21.38	\$7,696.80	
4	4" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	160	\$10.11	\$1,617.60	\$12.00	\$1,920.00	\$19.18	\$3,068.80	
5	12" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	135	\$38.89	\$5,250.15	\$53.00	\$7,155.00	\$41.08	\$5,545.80	
6	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	313	\$23.04	\$7,211.52	\$27.00	\$8,451.00	\$28.48	\$8,914.24	
7	TRENCH SAFETY SYSTEM FOR WATER LINE, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	4437	\$0.10	\$443.70	\$0.10	\$443.70	\$0.08	\$354.96	

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WATER, SANITARY, SEWER AND DRAINAGE FACILITIES T
 TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	GONZALEZ CONSTRUCTION ENTERPRISE, IN		2) BAY UTILITIES. LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8	12" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	4	\$1,951.90	\$7,807.60	\$1,800.00	\$7,200.00	\$1,828.00	\$7,312.00
9	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	6	\$978.31	\$5,869.86	\$1,000.00	\$6,000.00	\$968.00	\$5,808.00
10	6" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	2	\$675.83	\$1,351.66	\$750.00	\$1,500.00	\$688.00	\$1,376.00
11	FIRE HYDRANT UNIT, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE & BOX, AND LEAD PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$3,265.16	\$26,121.28	\$3,000.00	\$24,000.00	\$3,568.00	\$28,544.00
12	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	2	\$115.00	\$230.00	\$220.00	\$440.00	\$168.00	\$336.00
13	4" PLUG AND CLAMP, COMPLETE IN PLACE	EA	2	\$50.00	\$100.00	\$160.00	\$320.00	\$128.00	\$256.00
14	2" BLOW-OFF VALVE & BOX ASSEMBLY, COMPLETE IN PLACE	EA	4	\$306.11	\$1,224.44	\$300.00	\$1,200.00	\$288.00	\$1,152.00
15	SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	27	\$391.58	\$10,572.66	\$600.00	\$16,200.00	\$658.00	\$17,766.00
16	LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	17	\$608.76	\$10,348.92	\$1,700.00	\$28,900.00	\$1,428.00	\$24,276.00
17	WET CONNECTION FOR PROPOSED 12" WATER LINE TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, AND REMOVAL OF EXISTING PLUG & CLAMP AND 2" BLOW-OFF VALVE & BOX, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00	\$1,000.00	\$2,000.00	\$588.00	\$1,176.00
18	WET CONNECTION FOR PROPOSED WATER LEAD TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, COMPLETE IN PLACE	EA	1	\$375.00	\$375.00	\$800.00	\$800.00	\$488.00	\$488.00
KATY MANOR SOUTH SECTION 4 WATER ITEMS SUBTOTAL:					\$145,111.42		\$171,901.70		\$180,923.08
KATY MANOR SOUTH SECTION 4 SANITARY SEWER ITEMS									
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	660	\$22.72	\$14,995.20	\$31.00	\$20,460.00	\$31.58	\$20,842.80
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1059	\$24.94	\$26,660.86	\$32.00	\$34,208.00	\$32.18	\$34,400.42
3	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	503	\$24.94	\$12,544.82	\$34.00	\$17,102.00	\$42.08	\$21,166.24
4	10" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	230	\$34.48	\$7,930.40	\$41.00	\$9,430.00	\$41.88	\$9,632.40
5	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	4317	\$0.10	\$431.70	\$0.10	\$431.70	\$0.08	\$345.36
6	STANDARD 4' DIAMETER PRECAST SANITARY SEWER MANHOLE, (0' - 8' DEPTH), INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	17	\$2,286.60	\$38,872.20	\$1,800.00	\$30,600.00	\$2,038.00	\$34,646.00
7	EXTRA VERTICAL DEPTH OF SANITARY SEWER MANHOLES (OVER 8' DEPTH), ALL SIZES, COMPLETE IN PLACE	VF	40	\$120.00	\$4,800.00	\$129.00	\$5,160.00	\$98.00	\$3,920.00
8	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$434.39	\$434.39	\$500.00	\$500.00	\$508.00	\$508.00

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 TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	GONZALEZ CONSTRUCTION ENTERPRISE, IN		2) BAY UTILITIES. LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	25	\$1,756.69	\$43,917.25	\$2,400.00	\$60,000.00	\$2,288.00	\$57,200.00
10	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	15	\$588.41	\$8,826.15	\$900.00	\$13,500.00	\$858.00	\$12,870.00
11	REMOVE AND OFFSITE DISPOSAL OF EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED SANITARY SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$25.00	\$25.00	\$100.00	\$100.00	\$8.00	\$8.00
12	VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	2502	\$0.10	\$250.20	\$1.00	\$2,502.00	\$0.01	\$25.02
13	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1000	\$15.00	\$15,000.00	\$15.00	\$15,000.00	\$15.00	\$15,000.00
14	DEWATERING FOR SANITARY SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1000	\$22.00	\$22,000.00	\$22.00	\$22,000.00	\$22.00	\$22,000.00
15	CLEANING OF SANITARY SEWER, ALL SIZES, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	2502	\$0.10	\$250.20	\$0.85	\$2,126.70	\$0.01	\$25.02
KATY MANOR SOUTH SECTION 4 SANITARY SEWER ITEMS SUBTOTAL:					\$196,938.37		\$233,120.40		\$232,589.26
KATY MANOR SOUTH SECTION 4 DRAINAGE FACILITIES ITEMS									
1	24" STORM SEWER LEAD, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	413	\$52.12	\$21,938.56	\$44.00	\$18,172.00	\$64.08	\$26,465.04
2	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1026	\$53.12	\$54,501.12	\$46.00	\$47,196.00	\$63.68	\$65,335.68
3	30" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	571	\$70.09	\$40,021.39	\$58.00	\$33,118.00	\$74.28	\$42,413.88
4	36" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	315	\$95.19	\$36,743.34	\$80.00	\$30,880.00	\$98.88	\$38,167.68
5	48" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	326	\$140.44	\$45,783.44	\$121.00	\$39,446.00	\$143.80	\$46,878.80
6	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	21	\$1,992.45	\$41,841.45	\$2,000.00	\$42,000.00	\$2,098.00	\$44,058.00
7	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$2,847.15	\$5,694.30	\$2,800.00	\$5,600.00	\$3,300.00	\$6,600.00
8	STAGE I – REINFORCED CONCRETE TYPE "C" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	19	\$761.46	\$14,467.74	\$1,300.00	\$24,700.00	\$868.00	\$16,492.00
9	STAGE II – REINFORCED CONCRETE TYPE "C" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	19	\$1,037.85	\$19,719.15	\$1,000.00	\$19,000.00	\$1,308.00	\$24,852.00
10	STAGE I – REINFORCED CONCRETE TYPE "C-1" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$760.35	\$1,520.70	\$1,600.00	\$3,200.00	\$1,708.00	\$3,416.00
11	STAGE II – REINFORCED CONCRETE TYPE "C-1" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,581.75	\$3,163.50	\$1,000.00	\$2,000.00	\$2,058.00	\$4,116.00

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 TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	GONZALEZ CONSTRUCTION ENTERPRISE, IN		2) BAY UTILITIES. LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12	REMOVE AND OFFSITE DISPOSAL OF EXISTING 8" BRICK PLUG, 8FT OF 42" STORM SEWER, AND RESTORE EXISTING STORM SEWER MANHOLE, ALL DEPTHS COMPLETE IN PLACE	LS	1	\$499.50	\$499.50	\$1,500.00	\$1,500.00	\$2,888.00	\$2,888.00
13	BREAK INTO EXISTING STORM SEWER MANHOLE AND CONNECT PROPOSED 48" STORM SEWER, INCLUDES APPURTENANCES, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$388.50	\$388.50	\$800.00	\$800.00	\$588.00	\$588.00
14	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2722	\$0.10	\$272.20	\$0.10	\$272.20	\$0.18	\$489.96
15	CONTRACTOR SHALL CONSTRUCT AND REMOVE A TEMPORARY COFFER DAM, OR STORM PLUG, FOR THE CONSTRUCTION OF STORM SEWER CONNECTION TO EXISTING STORM SEWER, INCLUDES DEWATERING AND ALL APPURTENANCES, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,776.00	\$1,776.00	\$2,000.00	\$2,000.00	\$1,800.00	\$1,800.00
16	REMOVE EXISTING REINFORCED CONCRETE TYPE "E" INLET TOP AND REPLACE WITH TYPE "C" STORM MANHOLE TOP, FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,348.65	\$1,348.65	\$1,800.00	\$1,800.00	\$3,028.00	\$3,028.00
17	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	2722	\$0.10	\$272.20	\$2.25	\$6,124.50	\$0.01	\$27.22
18	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1000	\$15.00	\$15,000.00	\$15.00	\$15,000.00	\$15.00	\$15,000.00
19	DEWATERING FOR STORM SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1000	\$22.00	\$22,000.00	\$22.00	\$22,000.00	\$22.00	\$22,000.00
20	CLEAN OUT EXISTING OUTFALL PIPES, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$1,800.00	\$1,800.00	\$888.00	\$888.00
21	TYPE 'E' INLET, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,515.15	\$1,515.15	\$2,200.00	\$2,200.00	\$2,288.00	\$2,288.00
KATY MANOR SOUTH SECTION 4 DRAINAGE FACILITIES ITEMS SUBTOTAL:					\$328,966.89		\$318,808.70		\$367,792.26
KATY MANOR SOUTH SECTION 4 MISCELLANEOUS ITEMS									
1	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	3675	\$1.00	\$3,675.00	\$1.25	\$4,593.75	\$1.00	\$3,675.00
2	INSTALL AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,054.50	\$1,054.50	\$2,300.00	\$2,300.00	\$800.00	\$800.00
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$600.00	\$600.00	\$75.00	\$75.00	\$888.00	\$888.00
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$25.00	\$25.00	\$200.00	\$200.00	\$888.00	\$888.00
5	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	40	\$12.00	\$480.00	\$12.00	\$480.00	\$12.00	\$480.00
6	INLET PROTECTION BARRIER FOR STAGE II INLET, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	25	\$35.00	\$875.00	\$55.00	\$1,375.00	\$1.00	\$25.00
7	BROADCASTING SEEDING FOR R.O.W., INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	2	\$610.50	\$1,221.00	\$700.00	\$1,400.00	\$1.00	\$2.00
8	EXTRA CEMENT STABILIZED SAND PER GEOTECHNICAL REPORT (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00

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ITEM	DESCRIPTION	UNIT	QTY	GONZALEZ CONSTRUCTION ENTERPRISE, IN		2) BAY UTILITIES. LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$4,700.00	\$4,700.00	\$8,000.00	\$8,000.00	\$1,800.00	\$1,800.00
KATY MANOR SOUTH SECTION 4 MISCELLANEOUS ITEMS SUBTOTAL:					\$14,630.50		\$20,423.75		\$10,558.00
KATY MANOR SOUTH SECTION 5 WATER ITEMS									
1	8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	113	\$17.94	\$2,027.22	\$25.00	\$2,825.00	\$27.98	\$3,161.74
2	6" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	149	\$12.90	\$1,922.10	\$13.00	\$1,937.00	\$20.68	\$3,081.32
3	4" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	183	\$9.99	\$1,828.17	\$12.00	\$2,196.00	\$18.98	\$3,473.34
4	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	408	\$21.53	\$8,784.24	\$27.00	\$11,016.00	\$27.18	\$11,089.44
5	6" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	97	\$15.90	\$1,542.30	\$20.00	\$1,940.00	\$24.18	\$2,345.46
6	TRENCH SAFETY SYSTEM FOR WATER LINE, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1295	\$0.10	\$129.50	\$0.10	\$129.50	\$0.08	\$103.60
7	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	2	\$1,082.15	\$2,164.30	\$1,000.00	\$2,000.00	\$968.00	\$1,936.00
8	FIRE HYDRANT UNIT, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE & BOX, AND LEAD PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$3,419.91	\$6,839.82	\$3,400.00	\$6,800.00	\$3,568.00	\$7,136.00
9	4" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$65.00	\$65.00	\$160.00	\$160.00	\$128.00	\$128.00
10	2" BLOW-OFF VALVE & BOX ASSEMBLY, COMPLETE IN PLACE	EA	1	\$417.48	\$417.48	\$300.00	\$300.00	\$288.00	\$288.00
11	SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	14	\$435.87	\$6,102.18	\$600.00	\$8,400.00	\$658.00	\$9,212.00
12	LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	5	\$660.45	\$3,302.25	\$1,400.00	\$7,000.00	\$1,800.00	\$9,000.00
13	WET CONNECTION FOR PROPOSED 8" WATER LINE TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, AND REMOVAL OF EXISTING PLUG & CLAMP AND 2" BLOW-OFF VALVE & BOX, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00	\$1,000.00	\$2,000.00	\$588.00	\$1,176.00
KATY MANOR SOUTH SECTION 5 WATER ITEMS SUBTOTAL:					\$35,324.56		\$46,703.50		\$52,130.90
KATY MANOR SOUTH SECTION 5 SANITARY SEWER ITEMS									
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 10'-8" CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	556	\$22.28	\$12,387.68	\$20.00	\$11,120.00	\$28.88	\$16,057.28
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12" CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	21	\$22.83	\$479.43	\$21.00	\$441.00	\$28.22	\$592.62
3	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1272	\$0.10	\$127.20	\$0.10	\$127.20	\$0.08	\$101.76

BID TABULATION FOR:

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LJA JOB NO.

WATER, SANITARY, SEWER AND DRAINAGE FACILITIES T
 TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	GONZALEZ CONSTRUCTION ENTERPRISE, IN		2) BAY UTILITIES. LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	STANDARD 4' DIAMETER PRECAST SANITARY SEWER MANHOLE, (0' – 8' DEPTH), INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	4	\$2,231.10	\$8,924.40	\$1,800.00	\$7,200.00	\$2,038.00	\$8,152.00
5	EXTRA VERTICAL DEPTH OF SANITARY SEWER MANHOLES (OVER 8' DEPTH), ALL SIZES, COMPLETE IN PLACE	VF	7	\$120.00	\$840.00	\$129.00	\$903.00	\$98.00	\$686.00
6	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$413.96	\$413.96	\$500.00	\$500.00	\$508.00	\$508.00
7	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$1,820.01	\$16,380.09	\$2,100.00	\$18,900.00	\$2,248.00	\$20,232.00
8	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$799.03	\$6,392.24	\$900.00	\$7,200.00	\$1,720.00	\$13,760.00
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED SANITARY SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$25.00	\$25.00	\$100.00	\$100.00	\$188.00	\$188.00
10	VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	557	\$0.10	\$55.70	\$1.00	\$557.00	\$0.01	\$5.57
11	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00
12	DEWATERING FOR SANITARY SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$22.00	\$11,000.00
13	CLEANING OF SANITARY SEWER, ALL SIZES, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	577	\$0.10	\$57.70	\$0.85	\$490.45	\$1.00	\$577.00
KATY MANOR SOUTH SECTION 5 SANITARY SEWER ITEMS SUBTOTAL:					\$64,583.40	\$66,038.65	\$79,360.23		
KATY MANOR SOUTH SECTION 5 DRAINAGE FACILITIES ITEMS									
1	24" STORM SEWER LEAD, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	35	\$51.73	\$1,862.28	\$44.00	\$1,584.00	\$63.18	\$2,274.48
2	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	46	\$51.73	\$2,379.58	\$44.00	\$2,024.00	\$62.48	\$2,874.08
3	30" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	7	\$67.14	\$469.98	\$55.00	\$385.00	\$73.98	\$517.86
4	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,681.65	\$1,681.65	\$1,900.00	\$1,900.00	\$1,518.00	\$1,518.00
5	STAGE I – REINFORCED CONCRETE TYPE "C" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$765.90	\$1,531.80	\$1,500.00	\$3,000.00	\$868.00	\$1,736.00
6	STAGE II – REINFORCED CONCRETE TYPE "C" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,037.85	\$2,075.70	\$1,000.00	\$2,000.00	\$1,298.00	\$2,596.00
7	STAGE I – REINFORCED CONCRETE TYPE "C-1" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$765.90	\$765.90	\$1,600.00	\$1,600.00	\$1,708.00	\$1,708.00
8	STAGE II – REINFORCED CONCRETE TYPE "C-1" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,581.75	\$1,581.75	\$1,000.00	\$1,000.00	\$2,058.00	\$2,058.00

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WATER, SANITARY, SEWER AND DRAINAGE FACILITIES T
 TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
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 1750-3213D (9.2)

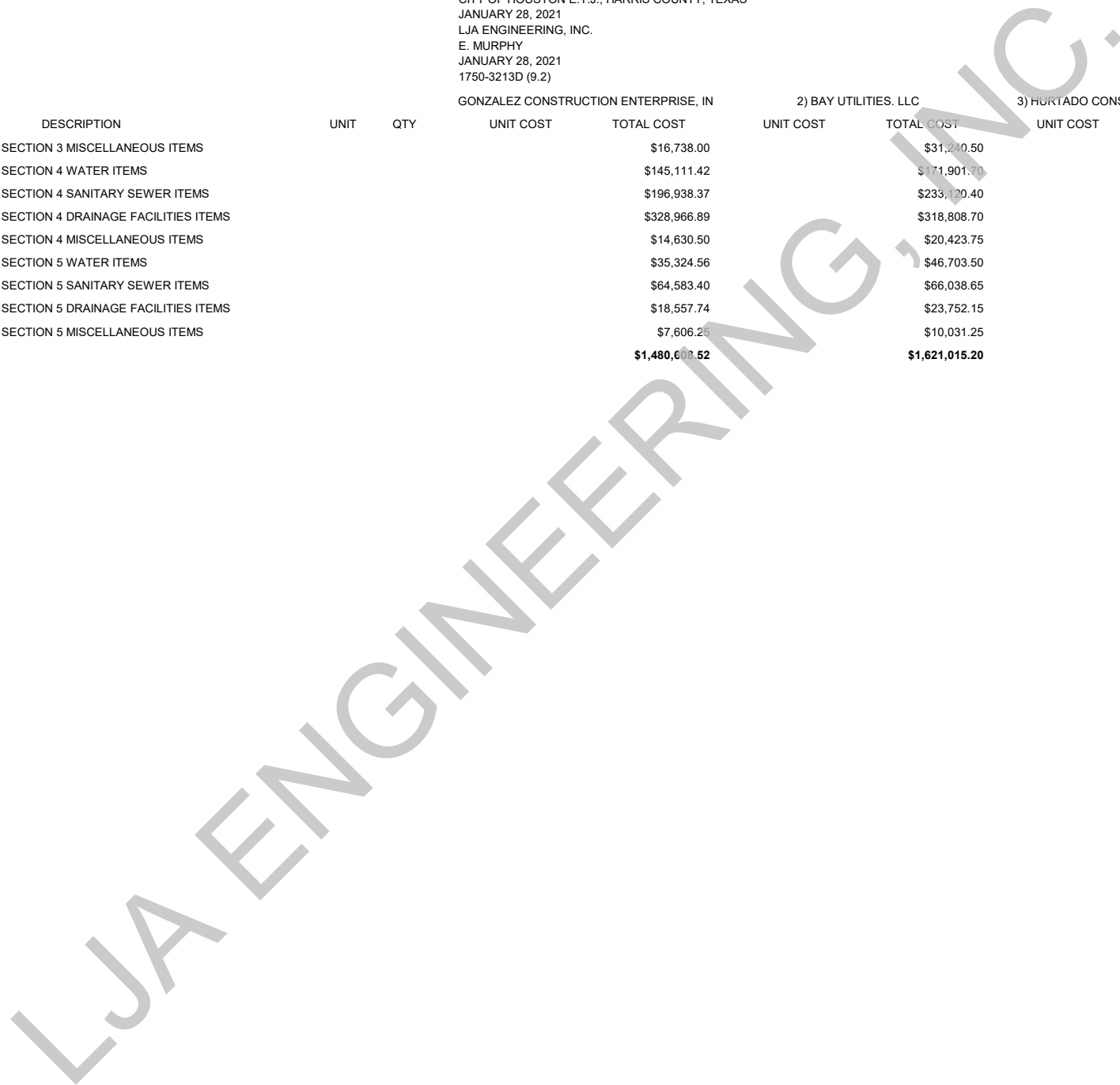
ITEM	DESCRIPTION	UNIT	QTY	GONZALEZ CONSTRUCTION ENTERPRISE, IN		2) BAY UTILITIES. LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING 8" BRICK PLUG AND CONNECT PROPOSED STORM SEWR, ALL SIZES, ALL DEPTHS COMPLETE IN PLACE	EA	2	\$100.00	\$200.00	\$500.00	\$1,000.00	\$2,378.00	\$4,756.00
10	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	89	\$0.10	\$8.90	\$0.10	\$8.90	\$0.18	\$16.02
11	REMOVE EXISTING REINFORCED CONCRETE TYPE "E" INLET TOP AND REPLACE WITH TYPE "C" STORM MANHOLE TOP, FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,570.65	\$3,141.30	\$1,800.00	\$3,600.00	\$3,028.00	\$6,056.00
12	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	89	\$0.10	\$8.90	\$2.25	\$200.25	\$0.01	\$0.89
13	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	50	\$15.00	\$750.00	\$15.00	\$750.00	\$15.00	\$750.00
14	DEWATERING FOR STORM SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	50	\$22.00	\$1,100.00	\$22.00	\$1,100.00	\$22.00	\$1,100.00
15	CLEAN OUT EXISTING OUTFALL PIPES, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$1,800.00	\$3,600.00	\$80.00	\$160.00
KATY MANOR SOUTH SECTION 5 DRAINAGE FACILITIES ITEMS SUBTOTAL:					\$18,557.74	\$23,752.15	\$28,121.33		
<u>KATY MANOR SOUTH SECTION 5 MISCELLANEOUS ITEMS</u>									
1	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	2081	\$1.00	\$2,081.00	\$1.25	\$2,601.25	\$1.00	\$2,081.00
2	INSTALL AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,054.50	\$1,054.50	\$2,300.00	\$2,300.00	\$800.00	\$800.00
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$600.00	\$600.00	\$75.00	\$75.00	\$800.00	\$800.00
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$25.00	\$25.00	\$200.00	\$200.00	\$800.00	\$800.00
5	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	5	\$12.00	\$60.00	\$12.00	\$60.00	\$12.00	\$60.00
6	INLET PROTECTION BARRIER FOR STAGE II INLET, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	9	\$35.00	\$315.00	\$55.00	\$495.00	\$1.00	\$9.00
7	BROADCASTING SEEDING FOR R.O.W., INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	1	\$610.50	\$610.50	\$700.00	\$700.00	\$1.00	\$1.00
8	EXTRA CEMENT STABILIZED SAND PER GEOTECHNICAL REPORT (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
9	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$860.25	\$860.25	\$1,600.00	\$1,600.00	\$188.00	\$188.00
KATY MANOR SOUTH SECTION 5 MISCELLANEOUS ITEMS SUBTOTAL:					\$7,606.25	\$10,031.25	\$6,739.00		
<u>BIDDING SUMMARY</u>									
SUBTOTAL KATY MANOR SOUTH SECTION 3 WATER ITEMS					\$219,603.21	\$249,195.10	\$251,803.46		
SUBTOTAL KATY MANOR SOUTH SECTION 3 SANITARY SEWER ITEMS					\$232,175.48	\$249,703.15	\$253,333.66		
SUBTOTAL KATY MANOR SOUTH SECTION 3 DRAINAGE FACILITIES ITEMS					\$200,372.70	\$200,096.35	\$222,672.20		

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 TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	GONZALEZ CONSTRUCTION ENTERPRISE, IN		2) BAY UTILITIES. LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
	SUBTOTAL KATY MANOR SOUTH SECTION 3 MISCELLANEOUS ITEMS				\$16,738.00		\$31,240.50		\$12,743.00
	SUBTOTAL KATY MANOR SOUTH SECTION 4 WATER ITEMS				\$145,111.42		\$171,901.70		\$180,923.08
	SUBTOTAL KATY MANOR SOUTH SECTION 4 SANITARY SEWER ITEMS				\$196,938.37		\$233,120.40		\$232,589.26
	SUBTOTAL KATY MANOR SOUTH SECTION 4 DRAINAGE FACILITIES ITEMS				\$328,966.89		\$318,808.70		\$367,792.26
	SUBTOTAL KATY MANOR SOUTH SECTION 4 MISCELLANEOUS ITEMS				\$14,630.50		\$20,423.75		\$10,558.00
	SUBTOTAL KATY MANOR SOUTH SECTION 5 WATER ITEMS				\$35,324.56		\$46,703.50		\$52,130.90
	SUBTOTAL KATY MANOR SOUTH SECTION 5 SANITARY SEWER ITEMS				\$64,583.40		\$66,038.65		\$79,360.23
	SUBTOTAL KATY MANOR SOUTH SECTION 5 DRAINAGE FACILITIES ITEMS				\$18,557.74		\$23,752.15		\$28,121.33
	SUBTOTAL KATY MANOR SOUTH SECTION 5 MISCELLANEOUS ITEMS				\$7,606.25		\$10,031.25		\$6,739.00
	TOTAL AMOUNT BASE BID				\$1,480,608.52		\$1,621,015.20		\$1,698,766.38



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WATER, SANITARY, SEWER AND DRAINAGE FACILITIES TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
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ITEM	DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD		5) BLAZEY CONSTRUCTION SERVICES LLC		6) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
KATY MANOR SOUTH SECTION 3 WATER ITEMS									
1	12" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	697	\$32.00	\$22,304.00	\$32.50	\$22,652.50	\$30.16	\$21,021.52
2	8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	465	\$23.00	\$10,695.00	\$20.93	\$9,732.45	\$18.98	\$8,825.70
3	6" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	101	\$19.00	\$1,919.00	\$17.18	\$1,735.18	\$15.50	\$1,565.50
4	4" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	93	\$13.00	\$1,209.00	\$13.78	\$1,281.54	\$12.52	\$1,164.36
5	12" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	382	\$50.00	\$19,100.00	\$57.76	\$22,064.32	\$57.75	\$22,060.50
6	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	675	\$30.00	\$20,250.00	\$32.18	\$21,721.50	\$32.60	\$22,005.00
7	6" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	93	\$22.00	\$2,046.00	\$24.52	\$2,280.36	\$25.08	\$2,332.44
8	TRENCH SAFETY SYSTEM FOR WATER LINE, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	3251	\$0.10	\$325.10	\$0.22	\$715.22	\$0.14	\$455.14
9	12" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	4	\$1,900.00	\$7,600.00	\$1,983.00	\$7,932.00	\$2,067.41	\$8,269.64
10	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	5	\$1,000.00	\$5,000.00	\$1,054.45	\$5,272.25	\$1,047.86	\$5,239.30
11	6" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	1	\$900.00	\$900.00	\$784.39	\$784.39	\$817.54	\$817.54
12	FIRE HYDRANT UNIT, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE & BOX, AND LEAD PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	7	\$3,400.00	\$23,800.00	\$3,444.92	\$24,114.44	\$3,737.96	\$26,165.72
13	12" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$285.00	\$285.00	\$299.38	\$299.38	\$343.13	\$343.13
14	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$210.00	\$210.00	\$211.82	\$211.82	\$256.46	\$256.46
15	4" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$165.00	\$165.00	\$152.18	\$152.18	\$197.46	\$197.46
16	2" BLOW-OFF VALVE & BOX ASSEMBLY, COMPLETE IN PLACE	EA	3	\$940.00	\$2,820.00	\$282.22	\$846.66	\$274.97	\$824.91
17	SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	16	\$500.00	\$8,000.00	\$603.13	\$9,650.08	\$562.53	\$9,000.48
18	LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	19	\$900.00	\$17,100.00	\$916.83	\$17,419.77	\$1,099.13	\$20,883.47
19	14" STEEL CASING FOR 8" WATER LINE, (EXCLUDES CARRIER PIPE), INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	380	\$49.00	\$18,620.00	\$49.50	\$18,810.00	\$52.50	\$19,950.00
20	DRY AUGER FOR 14" CASING AND 8" WATER LINE, (EXCLUDES CASING AND CARRIER PIPE), INCLUDES BORE PITS, ALL DEPTHS, COMPLETE IN PLACE	LF	380	\$295.00	\$112,100.00	\$296.97	\$112,848.60	\$211.63	\$80,419.40
21	WET CONNECTION FOR PROPOSED 12" WATER LINE TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, AND REMOVAL OF EXISTING PLUG & CLAMP AND 2" BLOW-OFF VALVE & BOX, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$566.54	\$566.54	\$787.49	\$787.49

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WATER, SANITARY, SEWER AND DRAINAGE FACILITIES TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
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ITEM	DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD		5) BLAZEY CONSTRUCTION SERVICES LLC		6) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
22	1" WATER METER ASSEMBLY AND VAULT, WITH BACK FLOW PREVENTION DEVICE, COMPLETE IN PLACE	EA	2	\$1,200.00	\$2,400.00	\$1,548.48	\$3,096.96	\$3,084.48	\$6,168.96
23	WET CONNECTION FOR PROPOSED WATER LEAD TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$520.00	\$520.00	\$787.49	\$787.49
KATY MANOR SOUTH SECTION 3 WATER ITEMS SUBTOTAL:					\$277,848.10	\$284,708.14			\$259,541.61
KATY MANOR SOUTH SECTION 3 SANITARY SEWER ITEMS									
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	281	\$25.00	\$7,025.00	\$27.84	\$7,823.04	\$27.98	\$7,862.38
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1052	\$26.00	\$27,352.00	\$28.00	\$29,456.00	\$29.25	\$30,771.00
3	10" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	327	\$29.00	\$9,483.00	\$31.53	\$10,310.31	\$33.02	\$10,797.54
4	12" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	384	\$36.00	\$13,824.00	\$36.87	\$14,158.08	\$37.97	\$14,580.48
5	12" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	165	\$42.00	\$6,930.00	\$41.21	\$6,799.65	\$42.05	\$6,938.25
6	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2815	\$0.10	\$281.50	\$0.22	\$619.30	\$0.14	\$394.10
7	STANDARD 4' DIAMETER PRECAST SANITARY SEWER MANHOLE, (0' - 8' DEPTH), INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	14	\$2,300.00	\$32,200.00	\$2,052.99	\$28,741.86	\$1,933.31	\$27,066.34
8	EXTRA VERTICAL DEPTH OF SANITARY SEWER MANHOLES (OVER 8' DEPTH), ALL SIZES, COMPLETE IN PLACE	VF	31	\$155.00	\$4,805.00	\$112.91	\$3,500.21	\$145.04	\$4,496.24
9	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$610.00	\$1,220.00	\$557.65	\$1,115.30	\$913.94	\$1,827.88
10	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	12	\$1,800.00	\$21,600.00	\$1,654.58	\$19,854.96	\$2,303.69	\$27,644.28
11	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	19	\$1,025.00	\$19,475.00	\$1,190.29	\$22,615.51	\$1,067.59	\$20,284.21
12	20" STEEL CASING FOR 12" SANITARY SEWER, (EXCLUDES CARRIER PIPE), INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	192	\$66.00	\$12,672.00	\$63.49	\$12,190.08	\$85.52	\$16,419.84
13	DRY AUGER FOR 20" STEEL CASING AND 12" SANITARY SEWER, (EXCLUDES CASING & CARRIER PIPE), INCLUDES RESTRAINED JOINT PIPE AND BORE PITS, ALL DEPTHS, COMPLETE IN PLACE	LF	192	\$310.00	\$59,520.00	\$323.86	\$62,181.12	\$285.15	\$54,748.80
14	REMOVE AND OFFSITE DISPOSAL OF EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED SANITARY SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$188.18	\$188.18	\$413.10	\$413.10
15	VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	2209	\$2.00	\$4,418.00	\$1.24	\$2,739.16	\$0.01	\$22.09
16	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1000	\$15.00	\$15,000.00	\$15.00	\$15,000.00	\$15.00	\$15,000.00

BID TABULATION FOR:

WATER, SANITARY, SEWER AND DRAINAGE FACILITIES TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD		5) BLAZEY CONSTRUCTION SERVICES LLC		6) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
17	DEWATERING FOR SANITARY SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1000	\$22.00	\$22,000.00	\$22.00	\$22,000.00	\$22.00	\$22,000.00
18	CLEANING OF SANITARY SEWER, ALL SIZES, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	2209	\$1.00	\$2,209.00	\$1.18	\$2,608.62	\$0.01	\$22.09
KATY MANOR SOUTH SECTION 3 SANITARY SEWER ITEMS SUBTOTAL:					\$260,114.50		\$261,899.38		\$261,288.62
KATY MANOR SOUTH SECTION 3 DRAINAGE FACILITIES ITEMS									
1	24" STORM SEWER LEAD, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	245	\$63.00	\$15,435.00	\$49.25	\$12,066.25	\$73.78	\$18,076.10
2	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	569	\$52.00	\$29,588.00	\$49.12	\$27,949.28	\$60.14	\$34,219.66
3	36" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	532	\$96.00	\$51,072.00	\$78.88	\$41,964.16	\$96.16	\$51,157.12
4	48" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	140	\$144.00	\$20,160.00	\$124.77	\$17,467.80	\$142.77	\$19,987.80
5	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	14	\$2,131.00	\$29,834.00	\$2,407.86	\$33,710.04	\$2,170.15	\$30,382.10
6	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,026.00	\$3,026.00	\$3,323.86	\$3,323.86	\$3,381.91	\$3,381.91
7	STAGE I – REINFORCED CONCRETE TYPE "C" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	13	\$950.00	\$12,350.00	\$1,302.23	\$16,928.99	\$1,382.51	\$17,972.63
8	STAGE II – REINFORCED CONCRETE TYPE "C" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	13	\$1,422.00	\$18,486.00	\$1,046.42	\$13,603.46	\$1,228.28	\$15,967.64
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING 8" BRICK PLUG AND CONNECT 48" RCP TO EXISTING 48" RCP, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$376.37	\$376.37	\$633.42	\$633.42
10	REMOVE AND OFFSITE DISPOSAL OF EXISTING 8" BRICK PLUG AND CONNECT TYPE "C" INLET TO EXISTING 24" RCP, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$349.48	\$349.48	\$1,018.98	\$1,018.98
11	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1486	\$0.10	\$148.60	\$0.22	\$326.92	\$0.14	\$208.04
12	CONTRACTOR SHALL CONSTRUCT AND REMOVE A TEMPORARY COFFER DAM, OR STORM PLUG, FOR THE CONSTRUCTION OF STORM SEWER CONNECTION TO EXISTING STORM SEWER, INCLUDES DEWATERING AND ALL APPURTENANCES, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$9,500.00	\$9,500.00	\$6,989.68	\$6,989.68	\$7,160.40	\$7,160.40
13	REMOVE EXISTING REINFORCED CONCRETE TYPE "E" INLET TOP AND REPLACE WITH TYPE "C" STORM MANHOLE TOP, FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,100.00	\$2,100.00	\$1,418.37	\$1,418.37	\$3,888.65	\$3,888.65
14	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	1523	\$2.00	\$3,046.00	\$3.06	\$4,660.38	\$0.01	\$15.23
15	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1000	\$15.00	\$15,000.00	\$15.00	\$15,000.00	\$15.00	\$15,000.00
16	DEWATERING FOR STORM SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1000	\$22.00	\$22,000.00	\$22.00	\$22,000.00	\$22.00	\$22,000.00
17	CLEAN OUT EXISTING OUTFALL PIPES, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,720.54	\$1,720.54	\$1,790.10	\$1,790.10
18	8" BRICK PLUG FOR 24" RCP STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$250.00	\$250.00	\$123.66	\$123.66	\$181.76	\$181.76

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 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
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ITEM	DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD		5) BLAZEY CONSTRUCTION SERVICES LLC		6) CE BARKER, LTD		
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
KATY MANOR SOUTH SECTION 3 DRAINAGE FACILITIES ITEMS SUBTOTAL:					\$234,995.60		\$219,979.24		\$243,041.54	
KATY MANOR SOUTH SECTION 3 MISCELLANEOUS ITEMS										
1	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	5914	\$1.00	\$5,914.00	\$1.00	\$5,914.00	\$1.00	\$5,914.00	
2	INSTALL AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$1,613.00	\$1,613.00	\$3,095.50	\$3,095.50	
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$698.97	\$698.97	\$716.04	\$716.04	
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$806.50	\$806.50	\$1,266.84	\$1,266.84	
5	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	29	\$12.00	\$348.00	\$12.00	\$348.00	\$12.00	\$348.00	
6	INLET PROTECTION BARRIER FOR STAGE II INLET, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	15	\$50.00	\$750.00	\$53.77	\$806.55	\$58.38	\$875.70	
7	BROADCASTING SEEDING FOR R.O.W., INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	2	\$800.00	\$1,600.00	\$860.27	\$1,720.54	\$826.20	\$1,652.40	
8	EXTRA CEMENT STABILIZED SAND PER GEOTECHNICAL REPORT (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00	
9	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$4,000.00	\$4,000.00	\$4,032.51	\$4,032.51	\$10,740.60	\$10,740.60	
10	WOOD MATS AT LOCATIONS WHERE THE CONTRACTOR CROSSES EXISTING PIPELINES, AS REQUIRED BY EACH PIPELINE'S REPRESENTATIVES, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$6,989.68	\$6,989.68	\$7,160.40	\$7,160.40	
KATY MANOR SOUTH SECTION 3 MISCELLANEOUS ITEMS SUBTOTAL:					\$18,612.00		\$24,929.75		\$33,769.48	
KATY MANOR SOUTH SECTION 4 WATER ITEMS										
1	12" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1299	\$32.00	\$41,568.00	\$34.06	\$44,243.94	\$31.62	\$41,074.38	
2	8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1037	\$20.00	\$20,740.00	\$21.09	\$21,870.33	\$19.05	\$19,754.85	
3	6" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	360	\$17.00	\$6,120.00	\$17.05	\$6,138.00	\$15.29	\$5,504.40	
4	4" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	160	\$13.00	\$2,080.00	\$13.62	\$2,179.20	\$12.28	\$1,964.80	
5	12" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	135	\$49.00	\$6,615.00	\$57.65	\$7,782.75	\$57.56	\$7,770.60	
6	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	313	\$30.00	\$9,390.00	\$29.58	\$9,258.54	\$29.93	\$9,368.09	
7	TRENCH SAFETY SYSTEM FOR WATER LINE, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	4437	\$0.10	\$443.70	\$0.22	\$976.14	\$0.14	\$621.18	

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 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
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ITEM	DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD		5) BLAZEY CONSTRUCTION SERVICES LLC		6) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8	12" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	4	\$1,900.00	\$7,600.00	\$1,917.60	\$7,670.40	\$2,021.28	\$8,085.12
9	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	6	\$1,025.00	\$6,150.00	\$933.40	\$5,600.40	\$974.42	\$5,846.52
10	6" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	2	\$685.00	\$1,370.00	\$784.39	\$1,568.78	\$761.80	\$1,523.60
11	FIRE HYDRANT UNIT, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE & BOX, AND LEAD PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$3,300.00	\$26,400.00	\$3,105.42	\$24,843.36	\$3,377.92	\$27,023.36
12	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	2	\$210.00	\$420.00	\$211.63	\$423.26	\$256.46	\$512.92
13	4" PLUG AND CLAMP, COMPLETE IN PLACE	EA	2	\$165.00	\$330.00	\$152.18	\$304.36	\$197.46	\$394.92
14	2" BLOW-OFF VALVE & BOX ASSEMBLY, COMPLETE IN PLACE	EA	4	\$880.00	\$3,520.00	\$282.22	\$1,128.88	\$274.97	\$1,099.88
15	SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	27	\$525.00	\$14,175.00	\$508.29	\$13,723.83	\$562.53	\$15,188.31
16	LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	17	\$975.00	\$16,575.00	\$739.40	\$12,569.80	\$1,099.13	\$18,685.21
17	WET CONNECTION FOR PROPOSED 12" WATER LINE TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, AND REMOVAL OF EXISTING PLUG & CLAMP AND 2" BLOW-OFF VALVE & BOX, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$566.54	\$1,133.08	\$787.49	\$1,574.98
18	WET CONNECTION FOR PROPOSED WATER LEAD TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$188.18	\$188.18	\$787.49	\$787.49
KATY MANOR SOUTH SECTION 4 WATER ITEMS SUBTOTAL:					\$164,996.70		\$161,603.23		\$166,780.61
KATY MANOR SOUTH SECTION 4 SANITARY SEWER ITEMS									
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	660	\$25.00	\$16,500.00	\$27.84	\$18,374.40	\$27.70	\$18,282.00
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1059	\$26.00	\$27,794.00	\$27.90	\$29,825.10	\$28.98	\$30,979.62
3	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	503	\$33.00	\$16,599.00	\$32.18	\$16,186.54	\$33.07	\$16,634.21
4	10" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	230	\$38.00	\$8,740.00	\$35.87	\$8,250.10	\$36.82	\$8,468.60
5	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	4317	\$0.10	\$431.70	\$0.22	\$949.74	\$0.14	\$604.38
6	STANDARD 4' DIAMETER PRECAST SANITARY SEWER MANHOLE, (0' - 8' DEPTH), INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	17	\$2,300.00	\$39,100.00	\$2,052.99	\$34,900.83	\$1,933.31	\$32,866.27
7	EXTRA VERTICAL DEPTH OF SANITARY SEWER MANHOLES (OVER 8' DEPTH), ALL SIZES, COMPLETE IN PLACE	VF	40	\$155.00	\$6,200.00	\$112.91	\$4,516.40	\$145.04	\$5,801.60
8	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$615.00	\$615.00	\$507.75	\$507.75	\$974.64	\$974.64

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ITEM	DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD		5) BLAZEY CONSTRUCTION SERVICES LLC		6) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	25	\$1,700.00	\$42,500.00	\$1,607.26	\$40,181.50	\$2,314.18	\$57,854.50
10	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	15	\$1,050.00	\$15,750.00	\$1,064.41	\$15,966.15	\$1,032.72	\$15,490.80
11	REMOVE AND OFFSITE DISPOSAL OF EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED SANITARY SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$188.18	\$188.18	\$413.10	\$413.10
12	VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	2502	\$2.00	\$5,004.00	\$1.24	\$3,102.48	\$0.01	\$25.02
13	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1000	\$15.00	\$15,000.00	\$15.00	\$15,000.00	\$15.00	\$15,000.00
14	DEWATERING FOR SANITARY SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1000	\$22.00	\$22,000.00	\$22.00	\$22,000.00	\$22.00	\$22,000.00
15	CLEANING OF SANITARY SEWER, ALL SIZES, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	2502	\$1.00	\$2,502.00	\$1.08	\$2,702.16	\$0.01	\$25.02
KATY MANOR SOUTH SECTION 4 SANITARY SEWER ITEMS SUBTOTAL:					\$218,835.70		\$212,651.33		\$225,419.76
KATY MANOR SOUTH SECTION 4 DRAINAGE FACILITIES ITEMS									
1	24" STORM SEWER LEAD, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	413	\$63.00	\$26,019.00	\$49.25	\$20,340.25	\$75.54	\$31,198.02
2	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1026	\$52.00	\$53,352.00	\$49.12	\$50,397.12	\$61.90	\$63,509.40
3	30" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	571	\$65.00	\$37,115.00	\$59.38	\$33,905.98	\$74.40	\$42,482.40
4	36" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	355	\$96.00	\$37,056.00	\$78.88	\$30,447.68	\$97.92	\$37,797.12
5	48" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	326	\$144.00	\$46,944.00	\$124.77	\$40,675.02	\$144.53	\$47,116.78
6	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	21	\$2,131.00	\$44,751.00	\$2,562.70	\$53,816.70	\$2,521.24	\$52,946.04
7	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$3,025.00	\$6,050.00	\$4,485.22	\$8,970.44	\$3,733.00	\$7,466.00
8	STAGE I – REINFORCED CONCRETE TYPE "C" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	19	\$950.00	\$18,050.00	\$1,212.98	\$23,046.62	\$1,382.51	\$26,267.69
9	STAGE II – REINFORCED CONCRETE TYPE "C" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	19	\$1,400.00	\$26,600.00	\$1,046.42	\$19,881.98	\$1,228.28	\$23,337.32
10	STAGE I – REINFORCED CONCRETE TYPE "C-1" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,000.00	\$2,000.00	\$1,209.75	\$2,419.50	\$1,382.51	\$2,765.02
11	STAGE II – REINFORCED CONCRETE TYPE "C-1" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,800.00	\$3,600.00	\$1,369.02	\$2,738.04	\$1,448.60	\$2,897.20

BID TABULATION FOR:

WATER, SANITARY, SEWER AND DRAINAGE FACILITIES TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD		5) BLAZEY CONSTRUCTION SERVICES LLC		6) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12	REMOVE AND OFFSITE DISPOSAL OF EXISTING 8" BRICK PLUG, 8FT OF 42" STORM SEWER, AND RESTORE EXISTING STORM SEWER MANHOLE, ALL DEPTHS COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$817.25	\$817.25	\$633.42	\$633.42
13	BREAK INTO EXISTING STORM SEWER MANHOLE AND CONNECT PROPOSED 48" STORM SEWER, INCLUDES APPURTENANCES, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$709.72	\$709.72	\$1,735.02	\$1,735.02
14	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2722	\$0.10	\$272.20	\$0.22	\$598.84	\$0.14	\$381.08
15	CONTRACTOR SHALL CONSTRUCT AND REMOVE A TEMPORARY COFFER DAM, OR STORM PLUG, FOR THE CONSTRUCTION OF STORM SEWER CONNECTION TO EXISTING STORM SEWER, INCLUDES DEWATERING AND ALL APPURTENANCES, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$5,000.00	\$5,000.00	\$6,989.68	\$6,989.68	\$7,160.40	\$7,160.40
16	REMOVE EXISTING REINFORCED CONCRETE TYPE "E" INLET TOP AND REPLACE WITH TYPE "C" STORM MANHOLE TOP, FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,100.00	\$2,100.00	\$1,903.34	\$1,903.34	\$3,888.65	\$3,888.65
17	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	2722	\$2.00	\$5,444.00	\$3.06	\$8,329.32	\$0.01	\$27.22
18	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1000	\$15.00	\$15,000.00	\$15.00	\$15,000.00	\$15.00	\$15,000.00
19	DEWATERING FOR STORM SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1000	\$22.00	\$22,000.00	\$22.00	\$22,000.00	\$22.00	\$22,000.00
20	CLEAN OUT EXISTING OUTFALL PIPES, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,075.34	\$1,075.34	\$1,790.10	\$1,790.10
21	TYPE 'E' INLET, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$2,113.03	\$2,113.03	\$2,566.73	\$2,566.73
KATY MANOR SOUTH SECTION 4 DRAINAGE FACILITIES ITEMS SUBTOTAL:					\$356,353.20		\$346,175.85		\$392,965.61
KATY MANOR SOUTH SECTION 4 MISCELLANEOUS ITEMS									
1	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	3675	\$1.00	\$3,675.00	\$1.00	\$3,675.00	\$1.00	\$3,675.00
2	INSTALL AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$1,613.00	\$1,613.00	\$3,095.50	\$3,095.50
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$698.97	\$698.97	\$716.04	\$716.04
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$806.50	\$806.50	\$1,266.84	\$1,266.84
5	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	40	\$12.00	\$480.00	\$12.00	\$480.00	\$12.00	\$480.00
6	INLET PROTECTION BARRIER FOR STAGE II INLET, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	25	\$50.00	\$1,250.00	\$53.77	\$1,344.25	\$58.38	\$1,459.50
7	BROADCASTING SEEDING FOR R.O.W., INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	2	\$800.00	\$1,600.00	\$860.27	\$1,720.54	\$826.20	\$1,652.40
8	EXTRA CEMENT STABILIZED SAND PER GEOTECHNICAL REPORT (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00

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WATER, SANITARY, SEWER AND DRAINAGE FACILITIES TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

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ITEM	DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD		5) BLAZEY CONSTRUCTION SERVICES LLC		6) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$4,000.00	\$4,000.00	\$47,314.76	\$47,314.76	\$14,320.80	\$14,320.80
KATY MANOR SOUTH SECTION 4 MISCELLANEOUS ITEMS SUBTOTAL:					\$15,505.00	\$59,653.02		\$28,666.08	
KATY MANOR SOUTH SECTION 5 WATER ITEMS									
1	8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	113	\$23.00	\$2,599.00	\$30.19	\$3,411.47	\$25.46	\$2,876.98
2	6" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	149	\$16.00	\$2,384.00	\$17.51	\$2,608.99	\$13.14	\$1,957.86
3	4" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	183	\$12.00	\$2,196.00	\$15.38	\$2,814.54	\$11.42	\$2,089.86
4	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	408	\$30.00	\$12,240.00	\$31.55	\$12,872.40	\$29.27	\$11,942.16
5	6" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	97	\$22.00	\$2,134.00	\$24.63	\$2,389.11	\$22.49	\$2,181.53
6	TRENCH SAFETY SYSTEM FOR WATER LINE, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1295	\$0.10	\$129.50	\$0.22	\$284.90	\$0.14	\$181.30
7	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	2	\$980.00	\$1,960.00	\$984.35	\$1,968.70	\$974.42	\$1,948.84
8	FIRE HYDRANT UNIT, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE & BOX, AND LEAD PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$3,600.00	\$7,200.00	\$3,497.32	\$6,994.64	\$3,870.18	\$7,740.36
9	4" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$165.00	\$165.00	\$152.27	\$152.27	\$197.46	\$197.46
10	2" BLOW-OFF VALVE & BOX ASSEMBLY, COMPLETE IN PLACE	EA	1	\$1,400.00	\$1,400.00	\$282.39	\$282.39	\$274.97	\$274.97
11	SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	14	\$500.00	\$7,000.00	\$575.28	\$8,053.92	\$562.53	\$7,875.42
12	LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	5	\$900.00	\$4,500.00	\$868.06	\$4,340.30	\$1,099.13	\$5,495.65
13	WET CONNECTION FOR PROPOSED 8" WATER LINE TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, AND REMOVAL OF EXISTING PLUG & CLAMP AND 2" BLOW-OFF VALVE & BOX, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$407.84	\$815.68	\$630.21	\$1,260.42
KATY MANOR SOUTH SECTION 5 WATER ITEMS SUBTOTAL:					\$44,907.50	\$46,989.31		\$46,022.81	
KATY MANOR SOUTH SECTION 5 SANITARY SEWER ITEMS									
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8" CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	556	\$25.00	\$13,900.00	\$32.20	\$17,903.20	\$26.32	\$14,633.92
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12" CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	21	\$26.00	\$546.00	\$32.50	\$682.50	\$27.59	\$579.39
3	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1272	\$0.10	\$127.20	\$0.22	\$279.84	\$0.14	\$178.08

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 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

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ITEM	DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD		5) BLAZEY CONSTRUCTION SERVICES LLC		6) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	STANDARD 4' DIAMETER PRECAST SANITARY SEWER MANHOLE, (0' – 8' DEPTH), INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	4	\$2,300.00	\$9,200.00	\$2,027.31	\$8,109.24	\$1,933.31	\$7,733.24
5	EXTRA VERTICAL DEPTH OF SANITARY SEWER MANHOLES (OVER 8' DEPTH), ALL SIZES, COMPLETE IN PLACE	VF	7	\$155.00	\$1,085.00	\$112.98	\$790.86	\$145.04	\$1,015.28
6	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$625.00	\$625.00	\$615.59	\$615.59	\$974.64	\$974.64
7	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$1,700.00	\$15,300.00	\$1,724.14	\$15,517.26	\$2,303.20	\$20,728.80
8	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$1,050.00	\$8,400.00	\$1,207.37	\$9,658.96	\$1,084.84	\$8,678.72
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED SANITARY SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$268.99	\$268.99	\$413.10	\$413.10
10	VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	557	\$2.00	\$1,114.00	\$1.24	\$690.68	\$0.01	\$5.57
11	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00
12	DEWATERING FOR SANITARY SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$22.00	\$11,000.00
13	CLEANING OF SANITARY SEWER, ALL SIZES, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	577	\$1.00	\$577.00	\$1.08	\$623.16	\$0.01	\$5.77
KATY MANOR SOUTH SECTION 5 SANITARY SEWER ITEMS SUBTOTAL:					\$69,474.20		\$73,640.28		\$73,446.51
KATY MANOR SOUTH SECTION 5 DRAINAGE FACILITIES ITEMS									
1	24" STORM SEWER LEAD, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	35	\$63.00	\$2,268.00	\$53.70	\$1,933.20	\$73.70	\$2,653.20
2	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	46	\$52.00	\$2,392.00	\$53.50	\$2,461.00	\$60.06	\$2,762.76
3	30" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	7	\$65.00	\$455.00	\$63.77	\$446.39	\$72.56	\$507.92
4	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,100.00	\$2,100.00	\$2,043.45	\$2,043.45	\$2,126.09	\$2,126.09
5	STAGE I – REINFORCED CONCRETE TYPE "C" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$950.00	\$1,900.00	\$1,506.36	\$3,012.72	\$1,382.51	\$2,765.02
6	STAGE II – REINFORCED CONCRETE TYPE "C" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,400.00	\$2,800.00	\$1,047.04	\$2,094.08	\$1,228.28	\$2,456.56
7	STAGE I – REINFORCED CONCRETE TYPE "C-1" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$1,127.62	\$1,127.62	\$1,382.51	\$1,382.51
8	STAGE II – REINFORCED CONCRETE TYPE "C-1" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,800.00	\$1,800.00	\$1,369.83	\$1,369.83	\$1,448.60	\$1,448.60

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ITEM	DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD		5) BLAZEY CONSTRUCTION SERVICES LLC		6) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING 8" BRICK PLUG AND CONNECT PROPOSED STORM SEWR, ALL SIZES, ALL DEPTHS COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$268.99	\$537.98	\$523.26	\$1,046.52
10	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	89	\$0.10	\$8.90	\$2.15	\$191.35	\$0.14	\$12.46
11	REMOVE EXISTING REINFORCED CONCRETE TYPE "E" INLET TOP AND REPLACE WITH TYPE "C" STORM MANHOLE TOP, FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$2,100.00	\$4,200.00	\$1,479.46	\$2,958.92	\$3,888.65	\$7,777.30
12	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	89	\$2.00	\$178.00	\$3.07	\$273.23	\$0.01	\$0.89
13	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	50	\$15.00	\$750.00	\$15.00	\$750.00	\$15.00	\$750.00
14	DEWATERING FOR STORM SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	50	\$22.00	\$1,100.00	\$22.00	\$1,100.00	\$22.00	\$1,100.00
15	CLEAN OUT EXISTING OUTFALL PIPES, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00	\$1,075.97	\$2,151.94	\$1,790.10	\$3,580.20
KATY MANOR SOUTH SECTION 5 DRAINAGE FACILITIES ITEMS SUBTOTAL:					\$25,951.90		\$22,451.71		\$30,370.03
KATY MANOR SOUTH SECTION 5 MISCELLANEOUS ITEMS									
1	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	2081	\$1.00	\$2,081.00	\$1.00	\$2,081.00	\$1.00	\$2,081.00
2	INSTALL AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$1,613.96	\$1,613.96	\$3,095.50	\$3,095.50
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$699.38	\$699.38	\$716.04	\$716.04
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$806.98	\$806.98	\$1,266.84	\$1,266.84
5	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	5	\$12.00	\$60.00	\$12.00	\$60.00	\$12.00	\$60.00
6	INLET PROTECTION BARRIER FOR STAGE II INLET, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	9	\$50.00	\$450.00	\$53.80	\$484.20	\$58.38	\$525.42
7	BROADCASTING SEEDING FOR R.O.W., INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	1	\$800.00	\$800.00	\$860.78	\$860.78	\$826.20	\$826.20
8	EXTRA CEMENT STABILIZED SAND PER GEOTECHNICAL REPORT (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
9	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$4,000.00	\$4,000.00	\$1,500.00	\$1,500.00	\$14,320.80	\$14,320.80
KATY MANOR SOUTH SECTION 5 MISCELLANEOUS ITEMS SUBTOTAL:					\$11,891.00		\$10,106.30		\$24,891.80
BIDDING SUMMARY									
SUBTOTAL KATY MANOR SOUTH SECTION 3 WATER ITEMS					\$277,848.10		\$284,708.14		\$259,541.61
SUBTOTAL KATY MANOR SOUTH SECTION 3 SANITARY SEWER ITEMS					\$260,114.50		\$261,899.38		\$261,288.62
SUBTOTAL KATY MANOR SOUTH SECTION 3 DRAINAGE FACILITIES ITEMS					\$234,995.60		\$219,979.24		\$243,041.54

BID TABULATION FOR:

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

WATER, SANITARY, SEWER AND DRAINAGE FACILITIES T
 TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) PRINCIPAL SERVICES, LTD		5) BLAZEY CONSTRUCTION SERVICES LLC		6) CE BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
	SUBTOTAL KATY MANOR SOUTH SECTION 3 MISCELLANEOUS ITEMS				\$18,612.00		\$24,929.75		\$33,769.48
	SUBTOTAL KATY MANOR SOUTH SECTION 4 WATER ITEMS				\$164,996.70		\$161,803.23		\$166,780.61
	SUBTOTAL KATY MANOR SOUTH SECTION 4 SANITARY SEWER ITEMS				\$218,835.70		\$212,651.33		\$225,419.76
	SUBTOTAL KATY MANOR SOUTH SECTION 4 DRAINAGE FACILITIES ITEMS				\$356,353.20		\$346,175.85		\$392,965.61
	SUBTOTAL KATY MANOR SOUTH SECTION 4 MISCELLANEOUS ITEMS				\$15,505.00		\$59,653.02		\$28,666.08
	SUBTOTAL KATY MANOR SOUTH SECTION 5 WATER ITEMS				\$44,907.50		\$16,989.31		\$46,022.81
	SUBTOTAL KATY MANOR SOUTH SECTION 5 SANITARY SEWER ITEMS				\$69,474.20		\$73,640.28		\$73,446.51
	SUBTOTAL KATY MANOR SOUTH SECTION 5 DRAINAGE FACILITIES ITEMS				\$25,951.90		\$22,451.71		\$30,370.03
	SUBTOTAL KATY MANOR SOUTH SECTION 5 MISCELLANEOUS ITEMS				\$11,891.00		\$10,106.30		\$24,891.80
	TOTAL AMOUNT BASE BID				\$1,699,485.40		\$1,724,787.54		\$1,786,204.46



BID TABULATION FOR:

WATER, SANITARY, SEWER AND DRAINAGE FACILITIES TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
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 1750-3213D (9.2)

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

7) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
KATY MANOR SOUTH SECTION 3 WATER ITEMS					
1	12" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	697	\$35.00	\$24,395.00
2	8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	465	\$25.00	\$11,625.00
3	6" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	101	\$18.00	\$1,818.00
4	4" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	93	\$15.00	\$1,395.00
5	12" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	382	\$48.00	\$18,336.00
6	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	675	\$31.00	\$20,925.00
7	6" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	93	\$26.00	\$2,418.00
8	TRENCH SAFETY SYSTEM FOR WATER LINE, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	3251	\$0.10	\$325.10
9	12" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	4	\$2,100.00	\$8,400.00
10	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	5	\$1,100.00	\$5,500.00
11	6" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	1	\$900.00	\$900.00
12	FIRE HYDRANT UNIT, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE & BOX, AND LEAD PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	7	\$4,200.00	\$29,400.00
13	12" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$200.00	\$200.00
14	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00
15	4" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00
16	2" BLOW-OFF VALVE & BOX ASSEMBLY, COMPLETE IN PLACE	EA	3	\$500.00	\$1,500.00
17	SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	16	\$600.00	\$9,600.00
18	LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	19	\$1,300.00	\$24,700.00
19	14" STEEL CASING FOR 8" WATER LINE, (EXCLUDES CARRIER PIPE), INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	380	\$40.00	\$15,200.00
20	DRY AUGER FOR 14" CASING AND 8" WATER LINE, (EXCLUDES CASING AND CARRIER PIPE), INCLUDES BORE PITS, ALL DEPTHS, COMPLETE IN PLACE	LF	380	\$300.00	\$114,000.00
21	WET CONNECTION FOR PROPOSED 12" WATER LINE TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, AND REMOVAL OF EXISTING PLUG & CLAMP AND 2" BLOW-OFF VALVE & BOX, COMPLETE IN PLACE	EA	1	\$300.00	\$300.00

BID TABULATION FOR:

WATER, SANITARY, SEWER AND DRAINAGE FACILITIES TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

BID OPENING DATE:
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LJA JOB NO.

7) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
22	1" WATER METER ASSEMBLY AND VAULT, WITH BACK FLOW PREVENTION DEVICE, COMPLETE IN PLACE	EA	2	\$6,000.00	\$12,000.00
23	WET CONNECTION FOR PROPOSED WATER LEAD TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00
KATY MANOR SOUTH SECTION 3 WATER ITEMS SUBTOTAL:					\$303,637.10
KATY MANOR SOUTH SECTION 3 SANITARY SEWER ITEMS					
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	281	\$27.00	\$7,587.00
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1052	\$27.00	\$28,404.00
3	10" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	327	\$31.00	\$10,137.00
4	12" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	384	\$35.00	\$13,440.00
5	12" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	165	\$35.00	\$5,775.00
6	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2815	\$0.10	\$281.50
7	STANDARD 4' DIAMETER PRECAST SANITARY SEWER MANHOLE, (0' - 8' DEPTH), INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	14	\$2,000.00	\$28,000.00
8	EXTRA VERTICAL DEPTH OF SANITARY SEWER MANHOLES (OVER 8' DEPTH), ALL SIZES, COMPLETE IN PLACE	VF	31	\$130.00	\$4,030.00
9	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$600.00	\$1,200.00
10	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	12	\$1,700.00	\$20,400.00
11	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	19	\$800.00	\$15,200.00
12	20" STEEL CASING FOR 12" SANITARY SEWER, (EXCLUDES CARRIER PIPE), INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	192	\$60.00	\$11,520.00
13	DRY AUGER FOR 20" STEEL CASING AND 12" SANITARY SEWER, (EXCLUDES CASING & CARRIER PIPE), INCLUDES RESTRAINED JOINT PIPE AND BORE PITS, ALL DEPTHS, COMPLETE IN PLACE	LF	192	\$400.00	\$76,800.00
14	REMOVE AND OFFSITE DISPOSAL OF EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED SANITARY SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00
15	VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	2209	\$2.50	\$5,522.50
16	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1000	\$15.00	\$15,000.00

BID TABULATION FOR:

WATER, SANITARY, SEWER AND DRAINAGE FACILITIES TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

BID OPENING DATE:
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TABULATION DATE:
LJA JOB NO.

7) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
17	DEWATERING FOR SANITARY SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1000	\$22.00	\$22,000.00
18	CLEANING OF SANITARY SEWER, ALL SIZES, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	2209	\$0.01	\$22.09
KATY MANOR SOUTH SECTION 3 SANITARY SEWER ITEMS SUBTOTAL:					\$265,419.09
KATY MANOR SOUTH SECTION 3 DRAINAGE FACILITIES ITEMS					
1	24" STORM SEWER LEAD, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	245	\$65.00	\$15,925.00
2	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	569	\$58.00	\$33,002.00
3	36" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	532	\$95.00	\$50,540.00
4	48" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	140	\$150.00	\$21,000.00
5	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	14	\$1,800.00	\$25,200.00
6	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,900.00	\$3,900.00
7	STAGE I – REINFORCED CONCRETE TYPE "C" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	13	\$1,000.00	\$13,000.00
8	STAGE II – REINFORCED CONCRETE TYPE "C" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	13	\$1,700.00	\$22,100.00
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING 8" BRICK PLUG AND CONNECT 48" RCP TO EXISTING 48" RCP, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$600.00	\$600.00
10	REMOVE AND OFFSITE DISPOSAL OF EXISTING 8" BRICK PLUG AND CONNECT TYPE "C" INLET TO EXISTING 24" RCP, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$600.00	\$600.00
11	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1486	\$0.10	\$148.60
12	CONTRACTOR SHALL CONSTRUCT AND REMOVE A TEMPORARY COFFER DAM, OR STORM PLUG, FOR THE CONSTRUCTION OF STORM SEWER CONNECTION TO EXISTING STORM SEWER, INCLUDES DEWATERING AND ALL APPURTENANCES, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$6,000.00	\$6,000.00
13	REMOVE EXISTING REINFORCED CONCRETE TYPE "E" INLET TOP AND REPLACE WITH TYPE "C" STORM MANHOLE TOP, FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,000.00	\$3,000.00
14	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	1523	\$3.50	\$5,330.50
15	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1000	\$15.00	\$15,000.00
16	DEWATERING FOR STORM SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1000	\$22.00	\$22,000.00
17	CLEAN OUT EXISTING OUTFALL PIPES, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00
18	8" BRICK PLUG FOR 24" RCP STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$600.00	\$600.00

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 JANUARY 28, 2021
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 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

BID OPENING DATE:
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LJA JOB NO.

7) R CONSTRUCTION CIVIL					
ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
KATY MANOR SOUTH SECTION 3 DRAINAGE FACILITIES ITEMS SUBTOTAL:					\$239,946.10
KATY MANOR SOUTH SECTION 3 MISCELLANEOUS ITEMS					
1	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	5914	\$1.00	\$5,914.00
2	INSTALL AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00
5	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	29	\$12.00	\$348.00
6	INLET PROTECTION BARRIER FOR STAGE II INLET, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	15	\$10.00	\$150.00
7	BROADCASTING SEEDING FOR R.O.W., INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	2	\$600.00	\$1,200.00
8	EXTRA CEMENT STABILIZED SAND PER GEOTECHNICAL REPORT (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00
9	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$10,000.00	\$10,000.00
10	WOOD MATS AT LOCATIONS WHERE THE CONTRACTOR CROSSES EXISTING PIPELINES, AS REQUIRED BY EACH PIPELINE'S REPRESENTATIVES, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00
KATY MANOR SOUTH SECTION 3 MISCELLANEOUS ITEMS SUBTOTAL:					\$25,612.00
KATY MANOR SOUTH SECTION 4 WATER ITEMS					
1	12" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1299	\$35.00	\$45,465.00
2	8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1037	\$24.00	\$24,888.00
3	6" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	360	\$18.00	\$6,480.00
4	4" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	160	\$15.00	\$2,400.00
5	12" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	135	\$48.00	\$6,480.00
6	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	313	\$32.00	\$10,016.00
7	TRENCH SAFETY SYSTEM FOR WATER LINE, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	4437	\$0.10	\$443.70

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7) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
8	12" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	4	\$2,100.00	\$8,400.00
9	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	6	\$1,200.00	\$7,200.00
10	6" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	2	\$800.00	\$1,600.00
11	FIRE HYDRANT UNIT, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE & BOX, AND LEAD PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$4,200.00	\$33,600.00
12	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00
13	4" PLUG AND CLAMP, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00
14	2" BLOW-OFF VALVE & BOX ASSEMBLY, COMPLETE IN PLACE	EA	4	\$500.00	\$2,000.00
15	SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	27	\$500.00	\$13,500.00
16	LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	17	\$1,300.00	\$22,100.00
17	WET CONNECTION FOR PROPOSED 12" WATER LINE TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, AND REMOVAL OF EXISTING PLUG & CLAMP AND 2" BLOW-OFF VALVE & BOX, COMPLETE IN PLACE	EA	2	\$300.00	\$600.00
18	WET CONNECTION FOR PROPOSED WATER LEAD TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, COMPLETE IN PLACE	EA	1	\$200.00	\$200.00

KATY MANOR SOUTH SECTION 4 WATER ITEMS SUBTOTAL: \$185,772.70

KATY MANOR SOUTH SECTION 4 SANITARY SEWER ITEMS

1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	660	\$25.00	\$16,500.00
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1059	\$26.00	\$27,794.00
3	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	503	\$28.00	\$14,084.00
4	10" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	230	\$31.00	\$7,130.00
5	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	4317	\$0.10	\$431.70
6	STANDARD 4' DIAMETER PRECAST SANITARY SEWER MANHOLE, (0' - 8' DEPTH), INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	17	\$2,000.00	\$34,000.00
7	EXTRA VERTICAL DEPTH OF SANITARY SEWER MANHOLES (OVER 8' DEPTH), ALL SIZES, COMPLETE IN PLACE	VF	40	\$130.00	\$5,200.00
8	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$600.00	\$600.00

BID TABULATION FOR:

WATER, SANITARY, SEWER AND DRAINAGE FACILITIES TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

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

7) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
9	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	25	\$1,700.00	\$42,500.00
10	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	15	\$800.00	\$12,000.00
11	REMOVE AND OFFSITE DISPOSAL OF EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED SANITARY SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00
12	VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	2502	\$2.50	\$6,255.00
13	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1000	\$15.00	\$15,000.00
14	DEWATERING FOR SANITARY SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1000	\$22.00	\$22,000.00
15	CLEANING OF SANITARY SEWER, ALL SIZES, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	2502	\$0.01	\$25.02

KATY MANOR SOUTH SECTION 4 SANITARY SEWER ITEMS SUBTOTAL: \$203,619.72

KATY MANOR SOUTH SECTION 4 DRAINAGE FACILITIES ITEMS

1	24" STORM SEWER LEAD, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	413	\$65.00	\$26,845.00
2	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1026	\$58.00	\$59,508.00
3	30" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	571	\$75.00	\$42,825.00
4	36" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	315	\$102.00	\$39,372.00
5	48" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	326	\$150.00	\$48,900.00
6	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	21	\$2,600.00	\$54,600.00
7	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$4,700.00	\$9,400.00
8	STAGE I – REINFORCED CONCRETE TYPE "C" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	19	\$900.00	\$17,100.00
9	STAGE II – REINFORCED CONCRETE TYPE "C" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	19	\$1,700.00	\$32,300.00
10	STAGE I – REINFORCED CONCRETE TYPE "C-1" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$900.00	\$1,800.00
11	STAGE II – REINFORCED CONCRETE TYPE "C-1" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,900.00	\$3,800.00

BID TABULATION FOR:

WATER, SANITARY, SEWER AND DRAINAGE FACILITIES TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

BID OPENING DATE:
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7) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
12	REMOVE AND OFFSITE DISPOSAL OF EXISTING 8" BRICK PLUG, 8FT OF 42" STORM SEWER, AND RESTORE EXISTING STORM SEWER MANHOLE, ALL DEPTHS COMPLETE IN PLACE	LS	1	\$2,100.00	\$2,100.00
13	BREAK INTO EXISTING STORM SEWER MANHOLE AND CONNECT PROPOSED 48" STORM SEWER, INCLUDES APPURTENANCES, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$600.00	\$600.00
14	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2722	\$0.10	\$272.20
15	CONTRACTOR SHALL CONSTRUCT AND REMOVE A TEMPORARY COFFER DAM, OR STORM PLUG, FOR THE CONSTRUCTION OF STORM SEWER CONNECTION TO EXISTING STORM SEWER, INCLUDES DEWATERING AND ALL APPURTENANCES, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$6,000.00	\$6,000.00
16	REMOVE EXISTING REINFORCED CONCRETE TYPE "E" INLET TOP AND REPLACE WITH TYPE "C" STORM MANHOLE TOP, FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,300.00	\$2,300.00
17	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	2722	\$3.50	\$9,527.00
18	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1000	\$15.00	\$15,000.00
19	DEWATERING FOR STORM SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1000	\$22.00	\$22,000.00
20	CLEAN OUT EXISTING OUTFALL PIPES, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00
21	TYPE 'E' INLET, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00

KATY MANOR SOUTH SECTION 4 DRAINAGE FACILITIES ITEMS SUBTOTAL: \$398,249.20

KATY MANOR SOUTH SECTION 4 MISCELLANEOUS ITEMS

1	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	3675	\$1.00	\$3,675.00
2	INSTALL AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$600.00	\$600.00
5	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	40	\$12.00	\$480.00
6	INLET PROTECTION BARRIER FOR STAGE II INLET, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	25	\$10.00	\$250.00
7	BROADCASTING SEEDING FOR R.O.W., INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	2	\$600.00	\$1,200.00
8	EXTRA CEMENT STABILIZED SAND PER GEOTECHNICAL REPORT (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00

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WATER, SANITARY, SEWER AND DRAINAGE FACILITIES TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

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7) R CONSTRUCTION CIVIL					
ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
9	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$17,500.00	\$17,500.00
KATY MANOR SOUTH SECTION 4 MISCELLANEOUS ITEMS SUBTOTAL:					\$27,705.00
KATY MANOR SOUTH SECTION 5 WATER ITEMS					
1	8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	113	\$26.00	\$2,938.00
2	6" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	149	\$17.00	\$2,533.00
3	4" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	183	\$15.00	\$2,745.00
4	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	408	\$30.00	\$12,240.00
5	6" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CL 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	97	\$25.00	\$2,425.00
6	TRENCH SAFETY SYSTEM FOR WATER LINE, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1295	\$0.10	\$129.50
7	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	2	\$1,200.00	\$2,400.00
8	FIRE HYDRANT UNIT, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE & BOX, AND LEAD PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$4,200.00	\$8,400.00
9	4" PLUG AND CLAMP, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00
10	2" BLOW-OFF VALVE & BOX ASSEMBLY, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00
11	SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	14	\$600.00	\$8,400.00
12	LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	5	\$1,300.00	\$6,500.00
13	WET CONNECTION FOR PROPOSED 8" WATER LINE TO EXISTING WATER LINE, INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, AND REMOVAL OF EXISTING PLUG & CLAMP AND 2" BLOW-OFF VALVE & BOX, COMPLETE IN PLACE	EA	2	\$200.00	\$400.00
KATY MANOR SOUTH SECTION 5 WATER ITEMS SUBTOTAL:					\$49,710.50
KATY MANOR SOUTH SECTION 5 SANITARY SEWER ITEMS					
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 10'-8" CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	556	\$28.00	\$15,568.00
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12" CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	21	\$40.00	\$840.00
3	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1272	\$0.10	\$127.20

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 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 JANUARY 28, 2021
 1750-3213D (9.2)

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7) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
4	STANDARD 4' DIAMETER PRECAST SANITARY SEWER MANHOLE, (0' – 8' DEPTH), INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	4	\$1,900.00	\$7,600.00
5	EXTRA VERTICAL DEPTH OF SANITARY SEWER MANHOLES (OVER 8' DEPTH), ALL SIZES, COMPLETE IN PLACE	VF	7	\$130.00	\$910.00
6	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$600.00	\$600.00
7	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$1,700.00	\$15,300.00
8	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, DROP STRUCTURE, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ALL DEPTHS, COMPLETE IN PLACE	EA	8	\$1,000.00	\$8,000.00
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED SANITARY SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00
10	VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	557	\$2.50	\$1,392.50
11	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00
12	DEWATERING FOR SANITARY SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00
13	CLEANING OF SANITARY SEWER, ALL SIZES, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	577	\$0.01	\$5.77

KATY MANOR SOUTH SECTION 5 SANITARY SEWER ITEMS SUBTOTAL: \$68,943.47

KATY MANOR SOUTH SECTION 5 DRAINAGE FACILITIES ITEMS

1	24" STORM SEWER LEAD, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	35	\$65.00	\$2,340.00
2	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	46	\$65.00	\$2,990.00
3	30" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	7	\$135.00	\$945.00
4	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,200.00	\$2,200.00
5	STAGE I – REINFORCED CONCRETE TYPE "C" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,100.00	\$2,200.00
6	STAGE II – REINFORCED CONCRETE TYPE "C" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,800.00	\$3,600.00
7	STAGE I – REINFORCED CONCRETE TYPE "C-1" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$900.00	\$900.00
8	STAGE II – REINFORCED CONCRETE TYPE "C-1" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00

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 JANUARY 28, 2021
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7) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING 8" BRICK PLUG AND CONNECT PROPOSED STORM SEWR, ALL SIZES, ALL DEPTHS COMPLETE IN PLACE	EA	2	\$600.00	\$1,200.00
10	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	89	\$0.10	\$8.90
11	REMOVE EXISTING REINFORCED CONCRETE TYPE "E" INLET TOP AND REPLACE WITH TYPE "C" STORM MANHOLE TOP, FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$2,500.00	\$5,000.00
12	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	89	\$3.50	\$311.50
13	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	50	\$15.00	\$750.00
14	DEWATERING FOR STORM SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	50	\$22.00	\$1,100.00
15	CLEAN OUT EXISTING OUTFALL PIPES, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00

KATY MANOR SOUTH SECTION 5 DRAINAGE FACILITIES ITEMS SUBTOTAL: \$29,545.40

KATY MANOR SOUTH SECTION 5 MISCELLANEOUS ITEMS

1	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	2081	\$1.00	\$2,081.00
2	INSTALL AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$600.00	\$600.00
5	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	5	\$12.00	\$60.00
6	INLET PROTECTION BARRIER FOR STAGE II INLET, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	9	\$10.00	\$90.00
7	BROADCASTING SEEDING FOR R.O.W., INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	1	\$600.00	\$600.00
8	EXTRA CEMENT STABILIZED SAND PER GEOTECHNICAL REPORT (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00
9	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00

KATY MANOR SOUTH SECTION 5 MISCELLANEOUS ITEMS SUBTOTAL: \$10,431.00

BIDDING SUMMARY

SUBTOTAL KATY MANOR SOUTH SECTION 3 WATER ITEMS	\$303,637.10
SUBTOTAL KATY MANOR SOUTH SECTION 3 SANITARY SEWER ITEMS	\$265,419.09
SUBTOTAL KATY MANOR SOUTH SECTION 3 DRAINAGE FACILITIES ITEMS	\$239,946.10

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WATER, SANITARY, SEWER AND DRAINAGE FACILITIES T
TO SERVE KATY MANOR SOUTH SECTIONS 3, 4 AND 5
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
JANUARY 28, 2021
LJA ENGINEERING, INC.
E. MURPHY
JANUARY 28, 2021
1750-3213D (9.2)

7) R CONSTRUCTION CIVIL				
ITEM	DESCRIPTION	UNIT	QTY	TOTAL COST
	SUBTOTAL KATY MANOR SOUTH SECTION 3 MISCELLANEOUS ITEMS			\$25,612.00
	SUBTOTAL KATY MANOR SOUTH SECTION 4 WATER ITEMS			\$185,772.70
	SUBTOTAL KATY MANOR SOUTH SECTION 4 SANITARY SEWER ITEMS			\$203,619.72
	SUBTOTAL KATY MANOR SOUTH SECTION 4 DRAINAGE FACILITIES ITEMS			\$398,249.20
	SUBTOTAL KATY MANOR SOUTH SECTION 4 MISCELLANEOUS ITEMS			\$27,705.00
	SUBTOTAL KATY MANOR SOUTH SECTION 5 WATER ITEMS			\$49,710.50
	SUBTOTAL KATY MANOR SOUTH SECTION 5 SANITARY SEWER ITEMS			\$68,943.47
	SUBTOTAL KATY MANOR SOUTH SECTION 5 DRAINAGE FACILITIES ITEMS			\$29,545.40
	SUBTOTAL KATY MANOR SOUTH SECTION 5 MISCELLANEOUS ITEMS			\$10,431.00
	TOTAL AMOUNT BASE BID			\$1,808,591.28

LJA ENGINEERING, INC.