

BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE FACILITIES,
DETENTION FACILITIES, PAVING AND APPURTENANCES TO SERVE ENCLAVE AT BEAR CREEK
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 105
CITY OF HOUSTON, ETJ, HARRIS COUNTY, TEXAS
OCTOBER 5, 2021
LJA ENGINEERING, INC.
S. YOUNG
OCTOBER 5, 2021
1750-3403D (9.2)

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

BIDDER'S NAME	TOTAL BID AMOUNT
1) TLC CONSTRUCTION CONTRACT SERVICES, INC.	\$2,243,984.85 *
2) HURTADO CONSTRUCTION COMPANY	\$2,387,238.06 *
3) C. E. BARKER, LTD.	\$2,488,985.18
4) R CONSTRUCTION CIVIL, LLC, dba R CONSTRUCTION COMPANY	\$2,667,070.10

CALENDAR DAYS - 120/135

Andrew Bowman

10/12/21

I, Andrew Bowman, P.E., hereby certify these bid tabulations to be true and correct.



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			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
WATER ITEMS									
1. 8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1,856	\$36.00	\$66,816.00	\$44.08	\$81,812.48	\$50.16	\$93,096.96	
2. 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	53	\$42.00	\$2,226.00	\$44.88	\$2,378.64	\$56.23	\$2,980.19	
3. TRENCH SAFETY SYSTEM FOR WATER LINE, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	3,756	\$0.10	\$375.60	\$0.28	\$1,051.68	\$5.00	\$18,780.00	
4. 8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	3	\$1,525.00	\$4,575.00	\$1,888.00	\$5,664.00	\$1,640.20	\$4,920.60	
5. FIRE HYDRANT UNIT, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE & BOX, AND LEAD PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$4,567.00	\$27,402.00	\$4,988.00	\$29,928.00	\$6,010.55	\$36,063.30	
6. 8" TAPPING SLEEVE AND VALVE, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$6,442.00	\$6,442.00	\$6,488.00	\$6,488.00	\$6,077.16	\$6,077.16	
7. 14" STEEL CASING FOR 8" WATER LINE, (EXCLUDES CARRIER PIPE), INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	40	\$48.00	\$1,920.00 *	\$98.00	\$3,920.00	\$155.90	\$6,236.00	
8. AUGER FOR 14" CASING AND 8" WATER LINE, (EXCLUDES CASING AND CARRIER PIPE), INCLUDES BORE PITS, ALL DEPTHS, COMPLETE IN PLACE	LF	33	\$125.00	\$4,125.00	\$148.00	\$4,884.00	\$123.19	\$4,065.27	
9. 8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE (PRIVATE)	LF	1,150	\$39.00	\$44,850.00	\$44.08	\$50,692.00	\$52.76	\$60,674.00	
10. 4" PVC WATER LINE IRRIGATION LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE (PRIVATE)	LF	697	\$23.00	\$16,031.00	\$34.88	\$24,311.36	\$27.00	\$18,819.00	
SUBTOTAL WATER LINE ITEMS					\$174,762.60 *		\$211,130.16		\$251,712.48
SANITARY SEWER ITEMS									
1. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,621	\$40.00	\$64,840.00	\$54.88	\$88,960.48	\$52.63	\$85,313.23	
2. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12" CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	190	\$45.00	\$8,550.00	\$54.88	\$10,427.20	\$54.61	\$10,375.90	
3. 2" FORCE MAIN, ASTM D-2241, SDR 26, 0'-8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	80	\$15.00	\$1,200.00	\$36.88	\$2,950.40	\$34.14	\$2,731.20	
4. TRENCH SAFETY SYSTEM FOR SANITARY SEWER, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	3,136	\$0.10	\$313.60	\$0.28	\$878.08	\$5.00	\$15,680.00	
5. STANDARD 4' DIAMETER PRECAST SANITARY SEWER MANHOLE, (0' - 8' DEPTH), INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	12	\$3,500.00	\$42,000.00	\$3,988.00	\$47,856.00	\$3,457.80	\$41,493.60	
6. GRINDER PUMP INCLUDING MANHOLE, (0' - 8' DEPTH), TO BE ENVIRONMENTAL ONE CORPORATION E/ONE DUPLEX GRINDER PUMP PACKAGE OR APPROVED EQUAL, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$9,585.00	\$9,585.00	\$14,888.00	\$14,888.00	\$35,649.72	\$35,649.72	
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	18	\$2,739.00	\$49,302.00	\$3,888.00	\$69,984.00	\$3,918.45	\$70,532.10	
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	9	\$1,663.00	\$14,967.00	\$1,688.00	\$15,192.00	\$1,822.71	\$16,404.39	
9. CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,000.00	\$2,000.00	\$2,008.00	\$4,016.00	\$1,354.38	\$2,708.76	
10. VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	1,891	\$2.00	\$3,782.00	\$0.18	\$340.38	\$0.01	\$18.91	

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11.	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1,000	\$15.00	\$15,000.00	\$15.00	\$15,000.00	\$15.00	\$15,000.00
12.	DEWATERING FOR SANITARY SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1,000	\$25.00	\$25,000.00	\$22.00	\$22,000.00	\$22.00	\$22,000.00
13.	CLEANING OF SANITARY SEWER, ALL SIZES, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1,891	\$2.00	\$3,782.00	\$1.08	\$2,042.28	\$0.01	\$18.91
SUBTOTAL SANITARY SEWER ITEMS					\$240,321.60	\$294,534.82		\$317,926.72	
DRAINAGE FACILITIES ITEMS									
1.	18" RCP, STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	200	\$78.00	\$15,600.00	\$78.00	\$15,600.00	\$78.53	\$15,706.00
2.	24" RCP, STORM SEWER LEAD, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	309	\$110.00	\$33,990.00	\$81.80	\$25,276.20	\$111.14	\$34,342.26
3.	24" RCP, STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	894	\$91.00	\$81,354.00	\$81.80	\$73,129.20	\$91.32	\$81,640.08
4.	30" RCP, STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	75	\$132.00	\$9,900.00	\$138.00	\$10,350.00	\$109.92	\$8,244.00
5.	36" RCP, STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	217	\$172.00	\$37,324.00	\$158.00	\$34,286.00	\$145.18	\$31,504.06
6.	54" CPP, STORM SEWER, AASHTO M 294, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	8	\$322.00	\$2,576.00	\$280.00	\$2,240.00	\$315.19	\$2,521.52
7.	54" RCP, STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	603	\$303.00	\$182,709.00	\$298.88	\$180,224.64	\$296.46	\$178,765.38
8.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	12	\$3,850.00	\$46,200.00	\$3,188.00	\$38,256.00	\$3,872.43	\$46,469.16
9.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, INCLUDES ADJUSTMENTS. ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$11,727.00	\$46,908.00	\$4,288.00	\$17,152.00	\$5,953.23	\$23,812.92
10.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER WITH "E" INLET TOP, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$4,598.00	\$4,598.00	\$3,588.00	\$3,588.00	\$4,369.68	\$4,369.68
11.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER WITH "E" INLET TOP, INCLUDES ADJUSTMENTS. ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$6,724.00	\$6,724.00	\$4,588.00	\$4,588.00	\$6,450.48	\$6,450.48
12.	JUNCTION BOX WITH SLUICE GATE, PER DETAIL ON SHEET 24, COMPLETE IN PLACE	EA	1	\$20,975.00	\$20,975.00	\$34,888.00	\$34,888.00	\$18,436.06	\$18,436.06
13.	STAGE I – REINFORCED CONCRETE TYPE "C" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	10	\$4,122.00	\$41,220.00	\$1,288.00	\$12,880.00	\$1,866.60	\$18,666.00
14.	STAGE II – REINFORCED CONCRETE TYPE "C" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	10	\$1,000.00	\$10,000.00	\$1,888.00	\$18,880.00	\$1,695.24	\$16,952.40
15.	STAGE I – REINFORCED CONCRETE TYPE "C-1" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$4,816.00	\$14,448.00	\$1,388.00	\$4,164.00	\$1,866.60	\$5,599.80
16.	STAGE II – REINFORCED CONCRETE TYPE "C-1" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$1,150.00	\$3,450.00	\$2,188.00	\$6,564.00	\$1,940.04	\$5,820.12
17.	BREAK INTO EXIST MH AND CONNECT 18" RCP, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$638.00	\$638.00	\$888.00	\$888.00	\$1,315.80	\$1,315.80
18.	BREAK INTO EXIST 54" RCP AND CONNECT 54" RCP, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$1,915.00	\$1,915.00	\$888.00	\$888.00	\$826.20	\$826.20
19.	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2,309	\$0.10	\$230.90	\$0.18	\$415.62	\$5.00	\$11,545.00
20.	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	2,309	\$4.00	\$9,236.00	\$1.00	\$2,309.00	\$0.01	\$23.09

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
21.	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1,000	\$15.00	\$15,000.00	\$15.00	\$15,000.00	\$15.00	\$15,000.00
22.	DEWATERING FOR STORM SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1,000	\$25.00	\$25,000.00	\$22.00	\$22,000.00	\$22.00	\$22,000.00
23.	CLEAN OUT EXISTING OUTFALL PIPES, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00	\$1,488.00	\$1,488.00	\$10,404.00	\$10,404.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$613,495.90		\$525,054.66		\$560,414.01
WS&D MISCELLANEOUS ITEMS									
1.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	6,610	\$2.00	\$13,220.00	\$1.00	\$6,610.00	\$1.00	\$6,610.00
2.	INSTALL, MAINTAIN AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$3,125.00	\$3,125.00	\$888.00	\$888.00	\$3,684.24	\$3,684.24
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	\$3,250.00	\$3,250.00	\$888.00	\$888.00	\$1,040.40	\$1,040.40
4.	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$815.00	\$815.00	\$12.00	\$12.00 *	\$2,203.20	\$2,203.20
5.	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	31	\$12.00	\$372.00	\$12.00	\$372.00	\$12.00	\$372.00
6.	INLET PROTECTION BARRIER FOR EXISTING INLETS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	7	\$106.00	\$742.00	\$8.00	\$56.00	\$69.77	\$488.39
7.	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
8.	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	\$17,605.00	\$17,605.00	\$11,888.00	\$11,888.00	\$14,841.00	\$14,841.00
9.	ALL REQUIRED CONSTRUCTION PERMITS, COMPLETE IN PLACE	LS	1	\$120,758.00	\$120,758.00	\$12,888.00	\$12,888.00	\$17,442.00	\$17,442.00
SUBTOTAL WS&D MISCELLANEOUS ITEMS					\$161,887.00		\$35,602.00 *		\$48,681.23
DETENTION FACILITIES ITEMS									
1.	DETENTION EXCAVATION FROM DETENTION PONDS, INCLUDES STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	30,655	\$1.25	\$38,318.75	\$2.98	\$91,351.90	\$5.10	\$156,340.50
2.	AMENITY EXCAVATION FROM DETENTION PONDS, INCLUDES STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION COMPLETE IN PLACE	CY	5,444	\$1.25	\$6,805.00	\$2.68	\$14,589.92	\$5.10	\$27,764.40
3.	HAUL TO FILL AREAS, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY) OF EXCAVATED DETENTION MATERIAL AS SHOWN ON GRADING PLAN INCLUDES STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPING, REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	30,655	\$3.50	\$107,292.50	\$2.98	\$91,351.90	\$2.65	\$81,235.75
4.	HAUL TO FILL AREAS, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY) OF EXCAVATED AMENITY MATERIAL AS SHOWN ON GRADING PLAN INCLUDES STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPING, REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	5,444	\$3.50	\$19,054.00	\$1.58	\$8,601.52	\$2.65	\$14,426.60
5.	MANIPULATION OF EXISTING SOIL WITHIN POND BOTTOM AND SIDES BELOW WATER SURFACE ELEVATION, INCLUDES MOISTURE CONDITIONING BY SCARIFYING TO A MINIMUM DEPTH OF 12 INCHES AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	SY	3,457	\$3.00	\$10,371.00	\$5.18	\$17,907.26	\$3.88	\$13,413.16

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6.	CLEARING & GRUBBING OF EXCAVATION AND FILL AREAS, COMPLETE IN PLACE	AC	1	\$9,375.00	\$9,375.00	\$16,888.00	\$16,888.00	\$12,240.20	\$12,240.20
7.	DRAINAGE SWALES, INCLUDES BACK SLOPE SWALES AND PERIMETER SWALES, COMPLETE IN PLACE	LF	2,541	\$2.50	\$6,352.50	\$4.88	\$12,400.08	\$3.88	\$9,859.08
8.	BACKSLOPE INTERCEPTOR STRUCTURE, INCLUDES 24" ALUMINIZED CORRUGATED METAL PIPE, SLOPE PAVING AND INLET PROTECTION BARRIER, COMPLETE IN PLACE	EA	3	\$19,655.00	\$58,965.00	\$18,188.00	\$54,564.00	\$15,667.85	\$47,003.55
9.	5" REINFORCED CONCRETE SLOPE, INCLUDING 2' TOE WALL AROUND EDGES, COMPLETE IN PLACE	SY	785	\$94.00	\$73,790.00	\$108.88	\$85,470.80	\$100.37	\$78,790.45
SUBTOTAL DETENTION FACILITIES ITEMS					\$330,323.75	\$393,125.38		\$441,073.69	
DETENTION MISCELLANEOUS ITEMS									
1.	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), INCLUDES EXTRA EXCAVATION, STOCKPILING OF SUITABLE MATERIAL FROM LAKES, HAULING, PLACEMENT AND COMPACTION OF SUITABLE MATERIAL FOR LAKE LINING, COMPLETE IN PLACE	CY	1,352	\$3.00	\$4,056.00	\$1.50	\$2,028.00	\$1.50	\$2,028.00
2.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	10.0	\$250.00	\$2,500.00	\$200.00	\$2,000.00	\$200.00	\$2,000.00
3.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	5.0	\$375.00	\$1,875.00	\$300.00	\$1,500.00	\$300.00	\$1,500.00
4.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	2.0	\$5,000.00	\$10,000.00	\$3,000.00	\$6,000.00	\$3,000.00	\$6,000.00
5.	6" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT PONDS, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN PONDS IN LIEU OF OUTFALL BEING CONSTRUCTED (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	300	\$35.00	\$10,500.00	\$10.00	\$3,000.00	\$10.00	\$3,000.00
6.	8" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT PONDS, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN PONDS IN LIEU OF OUTFALL BEING CONSTRUCTED (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	150	\$45.00	\$6,750.00	\$15.00	\$2,250.00	\$15.00	\$2,250.00
7.	HYDROMULCH SEEDING OF LAKE RESERVE ABOVE SPECIFIED WATER SURFACE ELEVATION PER HCFCD SECTION 02921 (DRY APPLICATION), COMPLETE IN PLACE	AC	2.3	\$3,810.00	\$8,763.00	\$3,188.00	\$7,332.40	\$3,121.40	\$7,179.22
8.	MOWING OF LAKES AND FILL AREAS (ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	13.0	\$125.00	\$1,625.00	\$25.00	\$325.00	\$25.00	\$325.00
9.	OVER EXCAVATION OF UNSUITABLE MATERIAL PRIOR TO FILL PLACEMENT WITHIN FILL AREAS, INCLUDES EXCAVATION, DEMUCKING, AND SPREADING OF UNSUITABLE MATERIAL AND PLACEMENT OF MATERIAL AS FINAL LIFT UPON COMPLETION OF FILL (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	5,000	\$3.00	\$15,000.00	\$1.50	\$7,500.00	\$1.50	\$7,500.00
10.	CHIPPING AND REMOVAL OF MATERIAL, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$18,888.00	\$18,888.00	\$0.01	\$0.01
11.	WASTE CONTAINER (10 CY), AS DIRECTED BY THE ENGINEER, IF REQUIRED, COMPLETE IN PLACE	EA	5	\$815.00	\$4,075.00	\$800.00	\$4,000.00	\$1,836.00	\$9,180.00
12.	HYDRO MULCH SEEDING OF DETENTION POND ABOVE NORMAL WATER SURFACE ELEVATION, INCLUDING WATERING, COMPLETE IN PLACE	AC	1	\$3,935.00	\$3,935.00	\$3,188.00	\$3,188.00	\$1,775.00	\$1,775.00
SUBTOTAL DETENTION MISCELLANEOUS ITEMS					\$71,079.00	\$58,011.40		\$42,737.23	

* MATHEMATICAL ERROR

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CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE FACILITIES,
 DETENTION FACILITIES, PAVING AND APPURTENANCES TO SERVE ENCLAVE AT BEAR CREEK
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 105
 CITY OF HOUSTON, ETJ, HARRIS COUNTY, TEXAS
 OCTOBER 5, 2021
 LJA ENGINEERING, INC.
 S. YOUNG
 OCTOBER 5, 2021
 1750-3403D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) TLC CONSTRUCTION CONTRACT SERVICES, INC.		2) Hurtado Construction Company		3) C. E. BARKER, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
DEMOLITION ITEMS									
1.	REMOVE AND DISPOSE OF EXISTING INLETS, COMPLETE IN PLACE	EA	8	\$685.00	\$5,480.00	\$600.00	\$4,800.00	\$1,606.50	\$12,852.00
2.	REMOVE AND DISPOSE OF 54" CPP, COMPLETE IN PLACE	LF	806	\$20.00	\$16,120.00	\$18.00	\$14,508.00	\$39.51	\$31,845.06
3.	REMOVE AND DISPOSE OF 18" CPP, COMPLETE IN PLACE	LF	167	\$20.00	\$3,340.00	\$18.00	\$3,006.00	\$39.51	\$6,598.17
4.	REMOVE AND DISPOSE OF 15" CPP, COMPLETE IN PLACE	LF	398	\$19.00	\$7,562.00	\$18.00	\$7,164.00	\$39.51	\$15,724.98
5.	SEAL EXISTING STORM MANHOLE AFTER REMOVAL OF EXISTING 54" CPP, COMPLETE IN PLACE	EA	1	\$1,266.00	\$1,266.00	\$3,888.00	\$3,888.00	\$2,601.00	\$2,601.00
6.	CONVERT EXISTING IN-PAVEMENT, GRATE TOP TYPE 'B-B' INLET, TO STANDARD TYPE 'B-B' INLET, COMPLETE IN PLACE	EA	1	\$3,786.00	\$3,786.00	\$5,888.00	\$5,888.00	\$2,509.20	\$2,509.20
7.	CONVERT EXISTING STANDARD TYPE 'B-B' INLET TO IN-PAVEMENT, GRATE TOP TYPE 'B-B' INLET PER DETAIL ON SHEET 23, COMPLETE IN PLACE	EA	1	\$3,179.00	\$3,179.00	\$5,888.00	\$5,888.00	\$2,509.20	\$2,509.20
8.	REMOVE AND DISPOSE OF EXISTING SANITARY MANHOLE, COMPLETE IN PLACE	EA	2	\$791.00	\$1,582.00	\$2,888.00	\$5,776.00	\$1,606.50	\$3,213.00
9.	SEAL EXIST SANITARY MANHOLE AFTER REMOVAL OF EXISTING 8" SANITARY SEWER, COMPLETE IN PLACE	EA	2	\$72.00	\$144.00	\$688.00	\$1,376.00	\$2,601.00	\$5,202.00
10.	REMOVE AND DISPOSE OF 8" SANITARY SEWER, COMPLETE IN PLACE	LF	645	\$17.00	\$10,965.00	\$18.00	\$11,610.00	\$25.15	\$16,221.75
11.	REMOVE AND DISPOSE OF EXISTING METAL TRAFFIC GATE, COMPLETE IN PLACE	EA	1	\$62.00	\$62.00	\$3,888.00	\$3,888.00	\$1,300.50	\$1,300.50
12.	REMOVE AND DISPOSE OF EXISTING 8" WATER LINE, COMPLETE IN PLACE	LF	513	\$17.00	\$8,721.00	\$10.88	\$5,581.44	\$11.32	\$5,807.16
13.	REMOVE AND DISPOSE OF EXISTING CONCRETE DRIVEWAY, COMPLETE IN PLACE	SY	52	\$11.00	\$572.00	\$58.88	\$3,061.76	\$73.56	\$3,825.12
14.	REMOVE AND DISPOSE EXISTING GRAVEL ACCESS ROAD AND PARKING LOT, COMPLETE IN PLACE	SY	8,250	\$7.00	\$57,750.00	\$20.18	\$166,485.00	\$6.84	\$56,430.00
SUBTOTAL DEMOLITION ITEMS					\$120,529.00		\$242,920.20		\$166,639.14
PAVING ITEMS									
1.	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	5,661	\$51.00	\$288,711.00	\$58.00	\$328,338.00	\$54.67	\$309,486.87
2.	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	1,190	\$4.00	\$4,760.00	\$4.08	\$4,855.20	\$4.90	\$5,831.00
3.	4" X 12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	2,169	\$4.00	\$8,676.00 *	\$5.08	\$11,018.52	\$4.90	\$10,628.10
4.	6" LIME/FLY ASH STABILIZED SUBGRADE, COMPLETE IN PLACE	SY	6,032	\$6.00	\$36,192.00	\$2.98	\$17,975.36	\$3.57	\$21,534.24
5.	HYDRATED LIME FOR 6" STABILIZED SUBGRADE PREPARATION (2% LIME BY WEIGHT, 18LB/SY), (AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER), COMPLETE IN PLACE	TON	104	\$249.00	\$25,896.00	\$288.00	\$29,952.00	\$293.76	\$30,551.04
6.	FLY-ASH FOR 6" STABILIZED SUBGRADE (8% FLY-ASH BY WEIGHT, 36LB/SY), (AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER), COMPLETE IN PLACE	TON	119	\$111.00	\$13,209.00	\$188.00	\$22,372.00	\$146.88	\$17,478.72
7.	FINAL LOT & RESERVE GRADING (49 LOTS & 5 RESERVES), INCLUDING STRIPPING AND PROOFROLLING, HAULING, PLACEMENT AND COMPACTION OF MATERIALS, AND REPLACEMENT OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$17,580.00	\$17,580.00	\$12,000.00	\$12,000.00	\$14,688.00	\$14,688.00
8.	PERMANENT TRAFFIC CONTROL SIGNS, INCLUDING STOP SIGNS, WITH STREET NAMES PER THE RECORDED FINAL PLAT, DIRECTIONAL SIGNS WITH SUPPLEMENTS, STRIPING AND BUTTONS, IN ACCORDANCE WITH TMUTCD, COMPLETE IN PLACE	LS	1	\$3,256.00	\$3,256.00	\$6,888.00	\$6,888.00	\$3,427.20	\$3,427.20
9.	4" SQUARE DOUBLE REFLECTION BLUE TRAFFIC BUTTONS FOR FIRE HYDRANT LOCATION, COMPLETE IN PLACE	EA	6	\$11.00	\$66.00	\$28.00	\$168.00	\$12.24	\$73.44
10.	WHEELCHAIR RAMPS, PER ADA RAMP DETAILS TYPE 7, COMPLETE IN PLACE	EA	4	\$2,005.00	\$8,020.00	\$1,888.00	\$7,552.00	\$2,448.00	\$9,792.00

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CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE FACILITIES,
 DETENTION FACILITIES, PAVING AND APPURTENANCES TO SERVE ENCLAVE AT BEAR CREEK
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 105
 CITY OF HOUSTON, ETJ, HARRIS COUNTY, TEXAS
 OCTOBER 5, 2021
 LJA ENGINEERING, INC.
 S. YOUNG
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 1750-3403D (9.2)

ITEM DESCRIPTION	UNIT	QTY	1) TLC CONSTRUCTION CONTRACT SERVICES, INC.		2) Hurtado Construction Company		3) C. E. BARKER, LTD.	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11. ROADWAY EXCAVATION, COMPLETE IN PLACE	CY	3,255	\$7.00	\$22,785.00	\$2.68	\$8,723.40	\$18.97	\$61,747.35
12. IMPORT OF OFFSITE FILL, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, HAUL, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	4,862	\$17.00	\$82,654.00	\$28.88	\$140,414.56 *	\$33.34	\$162,099.08
SUBTOTAL PAVING ITEMS				\$511,805.00		\$590,257.04 *		\$647,337.04
PAVING MISCELLANEOUS ITEMS								
1. BROADCAST SEEDING, FERTILIZATION AND WATERING OF LOTS AND RESERVES, COMPLETE IN PLACE	AC	8	\$1,345.00	\$10,760.00	\$3,888.00	\$31,104.00	\$795.80	\$6,366.40
2. HYDRO MULCH SEEDING OF R.O.W., INCLUDING WATERING, COMPLETE IN PLACE	AC	1	\$3,935.00	\$3,935.00	\$3,188.00	\$3,188.00	\$1,775.00	\$1,775.00
3. REMOVE AND DISPOSE EXISTING CONCRETE PAVEMENT AND SUBGRADE, COMPLETE IN PLACE	SY	34	\$79.00	\$2,686.00	\$42.88	\$1,457.92	\$92.00	\$3,128.00
4. 2' SAWCUT EXISTING ROAD AND CONNECT PROPOSED PAVEMENT, COMPLETE IN PLACE	LF	96	\$25.00	\$2,400.00	\$8.88	\$852.48	\$12.44	\$1,194.24
SUBTOTAL PAVING MISCELLANEOUS ITEMS				\$19,781.00		\$36,602.40		\$12,463.64
BID SUMMARY								
SUBTOTAL WATER LINE ITEMS				\$174,762.60 *		\$211,130.16		\$251,712.48
SUBTOTAL SANITARY SEWER ITEMS				\$240,321.60		\$294,534.82		\$317,926.72
SUBTOTAL DRAINAGE FACILITIES ITEMS				\$613,495.90		\$525,054.66		\$560,414.01
SUBTOTAL WS&D MISCELLANEOUS ITEMS				\$161,887.00		\$35,602.00 *		\$48,681.23
SUBTOTAL DETENTION FACILITIES ITEMS				\$330,323.75		\$393,125.38		\$441,073.69
SUBTOTAL DETENTION MISCELLANEOUS ITEMS				\$71,079.00		\$58,011.40		\$42,737.23
SUBTOTAL DEMOLITION ITEMS				\$120,529.00		\$242,920.20		\$166,639.14
SUBTOTAL PAVING ITEMS				\$511,805.00		\$590,257.04 *		\$647,337.04
SUBTOTAL PAVING MISCELLANEOUS ITEMS				\$19,781.00		\$36,602.40		\$12,463.64
TOTAL AMOUNT BID				\$2,243,984.85 *		\$2,387,238.06 *		\$2,488,985.18

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CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE FACILITIES,
 DETENTION FACILITIES, PAVING AND APPURTENANCES TO SERVE ENCLAVE AT BEAR CREEK
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 105
 CITY OF HOUSTON, ETJ, HARRIS COUNTY, TEXAS
 OCTOBER 5, 2021
 LJA ENGINEERING, INC.
 S. YOUNG
 OCTOBER 5, 2021
 1750-3403D (9.2)

4) R CONSTRUCTION CIVIL, LLC,
 dba R CONSTRUCTION COMPANY

ITEM DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
WATER ITEMS				
1. 8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1,856	\$45.00	\$83,520.00
2. 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	53	\$80.00	\$4,240.00
3. TRENCH SAFETY SYSTEM FOR WATER LINE, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	3,756	\$0.10	\$375.60
4. 8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	3	\$2,000.00	\$6,000.00
5. FIRE HYDRANT UNIT, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE & BOX, AND LEAD PIPE, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$6,500.00	\$39,000.00
6. 8" TAPPING SLEEVE AND VALVE, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$6,000.00	\$6,000.00
7. 14" STEEL CASING FOR 8" WATER LINE, (EXCLUDES CARRIER PIPE), INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	40	\$100.00	\$4,000.00
8. AUGER FOR 14" CASING AND 8" WATER LINE, (EXCLUDES CASING AND CARRIER PIPE), INCLUDES BORE PITS, ALL DEPTHS, COMPLETE IN PLACE	LF	33	\$200.00	\$6,600.00
9. 8" PVC WATER LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE (PRIVATE)	LF	1,150	\$40.00	\$46,000.00
10. 4" PVC WATER LINE IRRIGATION LINE, C-900, DR 18, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE (PRIVATE)	LF	697	\$25.00	\$17,425.00
SUBTOTAL WATER LINE ITEMS				\$213,160.60
SANITARY SEWER ITEMS				
1. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8" CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,621	\$52.00	\$84,292.00
2. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12" CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	190	\$60.00	\$11,400.00
3. 2" FORCE MAIN, ASTM D-2241, SDR 26, 0'-8" CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	80	\$30.00	\$2,400.00
4. TRENCH SAFETY SYSTEM FOR SANITARY SEWER, INCLUDES ALL LATERAL LEADS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	3,136	\$0.10	\$313.60
5. STANDARD 4' DIAMETER PRECAST SANITARY SEWER MANHOLE, (0' - 8' DEPTH), INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	12	\$3,000.00	\$36,000.00
6. GRINDER PUMP INCLUDING MANHOLE, (0' - 8' DEPTH), TO BE ENVIRONMENTAL ONE CORPORATION E/ONE DUPLEX GRINDER PUMP PACKAGE OR APPROVED EQUAL, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$50,000.00	\$50,000.00
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	18	\$3,500.00	\$63,000.00
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	9	\$1,600.00	\$14,400.00
9. CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00
10. VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	1,891	\$2.50	\$4,727.50

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 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 105
 CITY OF HOUSTON, ETJ, HARRIS COUNTY, TEXAS
 OCTOBER 5, 2021
 LJA ENGINEERING, INC.
 S. YOUNG
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 1750-3403D (9.2)

4) R CONSTRUCTION CIVIL, LLC,
 dba R CONSTRUCTION COMPANY

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
11.	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1,000	\$15.00	\$15,000.00
12.	DEWATERING FOR SANITARY SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1,000	\$25.00	\$25,000.00
13.	CLEANING OF SANITARY SEWER, ALL SIZES, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1,891	\$2.50	\$4,727.50
SUBTOTAL SANITARY SEWER ITEMS					\$315,260.60
DRAINAGE FACILITIES ITEMS					
1.	18" RCP, STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	200	\$88.00	\$17,600.00
2.	24" RCP, STORM SEWER LEAD, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	309	\$90.00	\$27,810.00
3.	24" RCP, STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	894	\$90.00	\$80,460.00
4.	30" RCP, STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	75	\$155.00	\$11,625.00
5.	36" RCP, STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	217	\$160.00	\$34,720.00
6.	54" CPP, STORM SEWER, AASHTO M 294, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	8	\$400.00	\$3,200.00
7.	54" RCP, STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	603	\$315.00	\$189,945.00
8.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	12	\$4,000.00	\$48,000.00
9.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$9,500.00	\$38,000.00
10.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER WITH "E" INLET TOP, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$5,000.00	\$5,000.00
11.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER WITH "E" INLET TOP, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$8,500.00	\$8,500.00
12.	JUNCTION BOX WITH SLUICE GATE, PER DETAIL ON SHEET 24, COMPLETE IN PLACE	EA	1	\$75,000.00	\$75,000.00
13.	STAGE I – REINFORCED CONCRETE TYPE "C" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	10	\$1,500.00	\$15,000.00
14.	STAGE II – REINFORCED CONCRETE TYPE "C" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	10	\$2,500.00	\$25,000.00
15.	STAGE I – REINFORCED CONCRETE TYPE "C-1" INLET, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$1,200.00	\$3,600.00
16.	STAGE II – REINFORCED CONCRETE TYPE "C-1" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$2,700.00	\$8,100.00
17.	BREAK INTO EXIST MH AND CONNECT 18" RCP, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$800.00	\$800.00
18.	BREAK INTO EXIST 54" RCP AND CONNECT 54" RCP, ALL DEPTHS COMPLETE IN PLACE	EA	1	\$800.00	\$800.00
19.	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2,309	\$0.10	\$230.90
20.	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	2,309	\$3.00	\$6,927.00

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

CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE FACILITIES,
 DETENTION FACILITIES, PAVING AND APPURTENANCES TO SERVE ENCLAVE AT BEAR CREEK
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 105
 CITY OF HOUSTON, ETJ, HARRIS COUNTY, TEXAS
 OCTOBER 5, 2021
 LJA ENGINEERING, INC.
 S. YOUNG
 OCTOBER 5, 2021
 1750-3403D (9.2)

4) R CONSTRUCTION CIVIL, LLC,
 dba R CONSTRUCTION COMPANY

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
21.	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	1,000	\$15.00	\$15,000.00
22.	DEWATERING FOR STORM SEWER, (AS DIRECTED BY ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1,000	\$25.00	\$25,000.00
23.	CLEAN OUT EXISTING OUTFALL PIPES, COMPLETE IN PLACE	EA	1	\$25,000.00	\$25,000.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$665,317.90
WS&D MISCELLANEOUS ITEMS					
1.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	6,610	\$1.00	\$6,610.00
2.	INSTALL, MAINTAIN AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$3,000.00	\$3,000.00
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	\$2,000.00	\$2,000.00
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	31	\$15.00	\$465.00
6.	INLET PROTECTION BARRIER FOR EXISTING INLETS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	7	\$100.00	\$700.00
7.	EXTRA CEMENT STABILIZED SAND PER GEOTECHNICAL REPORT (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00
8.	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	\$45,000.00	\$45,000.00
9.	ALL REQUIRED CONSTRUCTION PERMITS, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00
SUBTOTAL WS&D MISCELLANEOUS ITEMS					\$90,375.00
DETENTION FACILITIES ITEMS					
1.	DETENTION EXCAVATION FROM DETENTION PONDS, INCLUDES STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	30,655	\$5.00	\$153,275.00
2.	AMENITY EXCAVATION FROM DETENTION PONDS, INCLUDES STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION COMPLETE IN PLACE	CY	5,444	\$5.00	\$27,220.00
3.	HAUL TO FILL AREAS, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY) OF EXCAVATED DETENTION MATERIAL AS SHOWN ON GRADING PLAN INCLUDES STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPING, REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	30,655	\$5.00	\$153,275.00
4.	HAUL TO FILL AREAS, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY) OF EXCAVATED AMENITY MATERIAL AS SHOWN ON GRADING PLAN INCLUDES STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPING, REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	5,444	\$5.00	\$27,220.00
5.	MANIPULATION OF EXISTING SOIL WITHIN POND BOTTOM AND SIDES BELOW WATER SURFACE ELEVATION, INCLUDES MOISTURE CONDITIONING BY SCARIFYING TO A MINIMUM DEPTH OF 12 INCHES AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	SY	3,457	\$2.50	\$8,642.50

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 DETENTION FACILITIES, PAVING AND APPURTENANCES TO SERVE ENCLAVE AT BEAR CREEK
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 105
 CITY OF HOUSTON, ETJ, HARRIS COUNTY, TEXAS
 OCTOBER 5, 2021
 LJA ENGINEERING, INC.
 S. YOUNG
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 1750-3403D (9.2)

4) R CONSTRUCTION CIVIL, LLC,
 dba R CONSTRUCTION COMPANY

ITEM DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
6. CLEARING & GRUBBING OF EXCAVATION AND FILL AREAS, COMPLETE IN PLACE	AC	1	\$30,000.00	\$30,000.00
7. DRAINAGE SWALES, INCLUDES BACK SLOPE SWALES AND PERIMETER SWALES, COMPLETE IN PLACE	LF	2,541	\$5.00	\$12,705.00
8. BACKSLOPE INTERCEPTOR STRUCTURE, INCLUDES 24" ALUMINIZED CORRUGATED METAL PIPE, SLOPE PAVING AND INLET PROTECTION BARRIER, COMPLETE IN PLACE	EA	3	\$14,000.00	\$42,000.00
9. 5" REINFORCED CONCRETE SLOPE, INCLUDING 2' TOE WALL AROUND EDGES, COMPLETE IN PLACE	SY	785	\$125.00	\$98,125.00
SUBTOTAL DETENTION FACILITIES ITEMS				\$552,462.50

DETENTION MISCELLANEOUS ITEMS

1. 2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), INCLUDES EXTRA EXCAVATION, STOCKPILING OF SUITABLE MATERIAL FROM LAKES, HAULING, PLACEMENT AND COMPACTION OF SUITABLE MATERIAL FOR LAKE LINING, COMPLETE IN PLACE	CY	1,352	\$4.00	\$5,408.00
2. ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	10.0	\$300.00	\$3,000.00
3. ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	5.0	\$400.00	\$2,000.00
4. DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	2.0	\$5,000.00	\$10,000.00
5. 6" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT PONDS, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN PONDS IN LIEU OF OUTFALL BEING CONSTRUCTED (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	300	\$30.00	\$9,000.00
6. 8" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT PONDS, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN PONDS IN LIEU OF OUTFALL BEING CONSTRUCTED (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	150	\$30.00	\$4,500.00
7. HYDROMULCH SEEDING OF LAKE RESERVE ABOVE SPECIFIED WATER SURFACE ELEVATION PER HCFCD SECTION 02921 (DRY APPLICATION), COMPLETE IN PLACE	AC	2.3	\$2,500.00	\$5,750.00
8. MOWING OF LAKES AND FILL AREAS (ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	13.0	\$150.00	\$1,950.00
9. OVER EXCAVATION OF UNSUITABLE MATERIAL PRIOR TO FILL PLACEMENT WITHIN FILL AREAS, INCLUDES EXCAVATION, DEMUCKING, AND SPREADING OF UNSUITABLE MATERIAL AND PLACEMENT OF MATERIAL AS FINAL LIFT UPON COMPLETION OF FILL (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	5,000	\$2.00	\$10,000.00
10. CHIPPING AND REMOVAL OF MATERIAL, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00
11. WASTE CONTAINER (10 CY), AS DIRECTED BY THE ENGINEER, IF REQUIRED, COMPLETE IN PLACE	EA	5	\$300.00	\$1,500.00
12. HYDRO MULCH SEEDING OF DETENTION POND ABOVE NORMAL WATER SURFACE ELEVATION, INCLUDING WATERING, COMPLETE IN PLACE	AC	1	\$1,600.00	\$1,600.00
SUBTOTAL DETENTION MISCELLANEOUS ITEMS				\$59,708.00

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 LJA ENGINEERING, INC.
 S. YOUNG
 OCTOBER 5, 2021
 1750-3403D (9.2)

4) R CONSTRUCTION CIVIL, LLC,
 dba R CONSTRUCTION COMPANY

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
DEMOLITION ITEMS					
1.	REMOVE AND DISPOSE OF EXISTING INLETS, COMPLETE IN PLACE	EA	8	\$1,000.00	\$8,000.00
2.	REMOVE AND DISPOSE OF 54" CPP, COMPLETE IN PLACE	LF	806	\$30.00	\$24,180.00
3.	REMOVE AND DISPOSE OF 18" CPP, COMPLETE IN PLACE	LF	167	\$25.00	\$4,175.00
4.	REMOVE AND DISPOSE OF 15" CPP, COMPLETE IN PLACE	LF	398	\$25.00	\$9,950.00
5.	SEAL EXISTING STORM MANHOLE AFTER REMOVAL OF EXISTING 54" CPP, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00
6.	CONVERT EXISTING IN-PAVEMENT, GRATE TOP TYPE 'B-B' INLET, TO STANDARD TYPE 'B-B' INLET, COMPLETE IN PLACE	EA	1	\$4,000.00	\$4,000.00
7.	CONVERT EXISTING STANDARD TYPE 'B-B' INLET TO IN-PAVEMENT, GRATE TOP TYPE 'B-B' INLET PER DETAIL ON SHEET 23, COMPLETE IN PLACE	EA	1	\$4,000.00	\$4,000.00
8.	REMOVE AND DISPOSE OF EXISTING SANITARY MANHOLE, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00
9.	SEAL EXIST SANITARY MANHOLE AFTER REMOVAL OF EXISTING 8" SANITARY SEWER, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00
10.	REMOVE AND DISPOSE OF 8" SANITARY SEWER, COMPLETE IN PLACE	LF	645	\$40.00	\$25,800.00
11.	REMOVE AND DISPOSE OF EXISTING METAL TRAFFIC GATE, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00
12.	REMOVE AND DISPOSE OF EXISTING 8" WATER LINE, COMPLETE IN PLACE	LF	513	\$20.00	\$10,260.00
13.	REMOVE AND DISPOSE OF EXISTING CONCRETE DRIVEWAY, COMPLETE IN PLACE	SY	52	\$10.00	\$520.00
14.	REMOVE AND DISPOSE EXISTING GRAVEL ACCESS ROAD AND PARKING LOT, COMPLETE IN PLACE	SY	8,250	\$10.00	\$82,500.00
SUBTOTAL DEMOLITION ITEMS					\$184,385.00
PAVING ITEMS					
1.	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	5,661	\$55.00	\$311,355.00
2.	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	1,190	\$4.50	\$5,355.00
3.	4" X 12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	2,169	\$4.50	\$9,760.50
4.	6" LIME/FLY ASH STABILIZED SUBGRADE, COMPLETE IN PLACE	SY	6,032	\$3.75	\$22,620.00
5.	HYDRATED LIME FOR 6" STABILIZED SUBGRADE PREPARATION (2% LIME BY WEIGHT, 18LB/SY), (AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER), COMPLETE IN PLACE	TON	104	\$225.00	\$23,400.00
6.	FLY-ASH FOR 6" STABILIZED SUBGRADE (8% FLY-ASH BY WEIGHT, 36LB/SY), (AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER), COMPLETE IN PLACE	TON	119	\$110.00	\$13,090.00
7.	FINAL LOT & RESERVE GRADING (49 LOTS & 5 RESERVES), INCLUDING STRIPPING AND PROOFROLLING, HAULING, PLACEMENT AND COMPACTION OF MATERIALS, AND REPLACEMENT OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$20,000.00	\$20,000.00
8.	PERMANENT TRAFFIC CONTROL SIGNS, INCLUDING STOP SIGNS, WITH STREET NAMES PER THE RECORDED FINAL PLAT, DIRECTIONAL SIGNS WITH SUPPLEMENTS, STRIPING AND BUTTONS, IN ACCORDANCE WITH TMUTCD, COMPLETE IN PLACE	LS	1	\$7,500.00	\$7,500.00
9.	4" SQUARE DOUBLE REFLECTION BLUE TRAFFIC BUTTONS FOR FIRE HYDRANT LOCATION, COMPLETE IN PLACE	EA	6	\$20.00	\$120.00
10.	WHEELCHAIR RAMPS, PER ADA RAMP DETAILS TYPE 7, COMPLETE IN PLACE	EA	4	\$2,500.00	\$10,000.00

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4) R CONSTRUCTION CIVIL, LLC,
dba R CONSTRUCTION COMPANY

ITEM DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
11. ROADWAY EXCAVATION, COMPLETE IN PLACE	CY	3,255	\$10.00	\$32,550.00
12. IMPORT OF OFFSITE FILL, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, HAUL, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	4,862	\$25.00	\$121,550.00

SUBTOTAL PAVING ITEMS **\$577,300.50**

PAVING MISCELLANEOUS ITEMS

1. BROADCAST SEEDING, FERTILIZATION AND WATERING OF LOTS AND RESERVES, COMPLETE IN PLACE	AC	8	\$800.00	\$6,400.00
2. HYDRO MULCH SEEDING OF R.O.W., INCLUDING WATERING, COMPLETE IN PLACE	AC	1	\$1,400.00	\$1,400.00
3. REMOVE AND DISPOSE EXISTING CONCRETE PAVEMENT AND SUBGRADE, COMPLETE IN PLACE	SY	34	\$10.00	\$340.00
4. 2' SAWCUT EXISTING ROAD AND CONNECT PROPOSED PAVEMENT, COMPLETE IN PLACE	LF	96	\$10.00	\$960.00

SUBTOTAL PAVING MISCELLANEOUS ITEMS **\$9,100.00**

BID SUMMARY

SUBTOTAL WATER LINE ITEMS	\$213,160.60
SUBTOTAL SANITARY SEWER ITEMS	\$315,260.60
SUBTOTAL DRAINAGE FACILITIES ITEMS	\$665,317.90
SUBTOTAL WS&D MISCELLANEOUS ITEMS	\$90,375.00
SUBTOTAL DETENTION FACILITIES ITEMS	\$552,462.50
SUBTOTAL DETENTION MISCELLANEOUS ITEMS	\$59,708.00
SUBTOTAL DEMOLITION ITEMS	\$184,385.00
SUBTOTAL PAVING ITEMS	\$577,300.50
SUBTOTAL PAVING MISCELLANEOUS ITEMS	\$9,100.00
TOTAL AMOUNT BID	\$2,667,070.10