

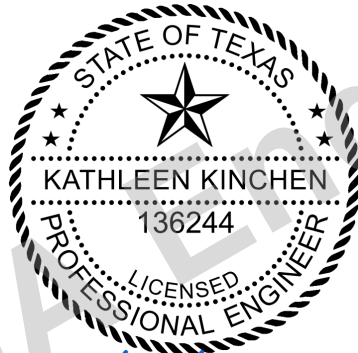
BID TABULATION FOR:

CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
SEPTEMBER 12, 2023  
LJA ENGINEERING, INC.  
P.CHATTERJEE  
SEPTEMBER 13, 2023  
1931-8109 (9.2)

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

BIDDER'S NAME	TOTAL AMOUNT BID	BID INCLUDING ALTERNATE BID ITEMS NO. 1	BID INCLUDING ALTERNATE BID ITEMS NO. 2	BID INCLUDING ALTERNATE BID ITEMS NO. 3
1) NORTHTEX CONSTRUCTION, LLC	\$6,131,240.02	\$6,208,309.15	\$6,379,112.08	\$11,948,295.02
2) CLEARX, LLC	\$6,875,485.86	\$10,341,685.86	\$6,987,692.01	\$23,347,005.86
3) LONNIE LISCHKA COMPANY, LP	\$6,979,497.17	\$7,279,497.17	\$7,140,173.42	\$23,596,497.17
4) SONORA CONSTRUCTION	\$7,362,163.50	\$8,962,163.50	\$7,325,213.50	\$22,260,163.50
5) LONGHORN EXCAVATORS, INC.	\$7,469,711.90	\$7,706,411.90	\$8,326,346.90	\$22,476,581.90
6) R CONSTRUCTION CIVIL, LLC	\$7,697,791.00	\$8,072,791.00	\$8,064,066.00	\$17,202,041.00
7) DC CONTRACTING SERVICES, LLC	\$7,859,390.00	\$8,392,746.00	\$7,851,460.00	\$19,116,740.00
8) RT ELLIS INC	\$9,814,199.27	\$11,323,939.27	\$9,800,924.27	\$25,141,949.27

CALENDAR DAYS 180/200



*Kathleen Kinchen* 09/13/2023

I, Kathleen Kinchen, P.E., hereby certify these bid tabulations to be true and correct.

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ITEM	DESCRIPTION	UNIT	QTY	1) NORTHTEX CONSTRUCTION, LLC		2) CLEARX, LLC		3) LONNIE LISCHKA COMPANY, LP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>DETENTION AND DRAINAGE ITEMS</b>									
1	EXCAVATION OF LAKE D-3, INCLUDING UNIFORM SHAPING OF EXCAVATED SIDE SLOPES TO LINES AND GRADES SHOWN ON THE PLANS, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	295800	\$0.96	\$283,968.00	\$1.45	\$428,910.00	\$1.00	\$295,800.00
2	EXCAVATION OF LAKE E, INCLUDING UNIFORM SHAPING OF EXCAVATED SIDE SLOPES TO LINES AND GRADES SHOWN ON THE PLANS, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	177700	\$0.96	\$170,592.00	\$1.45	\$257,665.00	\$1.00	\$177,700.00
3	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN PRIORITY FILL AREA "A" AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	55530	\$2.37	\$131,606.10	\$2.42	\$134,382.60	\$3.86	\$214,345.80
4	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN PRIORITY FILL AREA "B" AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	113490	\$2.37	\$268,971.30	\$1.91	\$216,765.90	\$3.86	\$438,071.40
5	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN PRIORITY FILL AREA "C" AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	78800	\$2.37	\$186,756.00	\$3.99	\$314,412.00	\$3.86	\$304,168.00
6	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL AT FUTURE BULLARD ROAD LOCATION AS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	18220	\$2.37	\$43,181.40	\$1.45	\$26,419.00	\$3.86	\$70,329.20
7	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL AT GUN RANGE LOCATION AS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	10000	\$2.37	\$23,700.00	\$3.99	\$39,900.00	\$3.86	\$38,600.00
8	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL AT EAST PROPERTY LOCATION AS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	20000	\$2.37	\$47,400.00	\$2.42	\$48,400.00	\$3.86	\$77,200.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL SOUTH OF C.R. 57 LOCATION AS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	173700	\$2.37	\$411,669.00	\$3.99	\$693,063.00	\$3.86	\$670,482.00
10	OVER EXCAVATION OF MATERIAL UNSUITABLE FOR CLAY LINING FOR LAKE D-3, TO BE USED FOR PROPOSED FILL, PLACING, COMPACTING TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITIES CONSTRUCTED), AS DIRECTED BY THE GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	CY	37900	\$1.02	\$38,658.00	\$1.89	\$71,631.00	\$4.50	\$170,550.00
11	OVER EXCAVATION OF MATERIAL UNSUITABLE FOR CLAY LINING FOR LAKE E, TO BE USED FOR PROPOSED FILL, PLACING, COMPACTING TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITIES CONSTRUCTED), AS DIRECTED BY THE GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	CY	25700	\$1.02	\$26,214.00	\$1.89	\$48,573.00	\$4.50	\$115,650.00
12	CLAY FILL FOR LAKE D-3 LINER, MATERIAL TO BE OBTAINED WITHIN LIMITS OF LAKE BOTTOM, (FILLING IN A MAXIMUM 8" LIFTS UNTIL 2' THICK (MIN.), AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITY CONSTRUCTED), AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	56800	\$1.34	\$76,112.00	\$1.26	\$71,568.00	\$0.50	\$28,400.00
13	CLAY FILL FOR LAKE E LINER, MATERIAL TO BE OBTAINED WITHIN LIMITS OF LAKE BOTTOM, (FILLING IN A MAXIMUM 8" LIFTS UNTIL 2' THICK (MIN.), AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITY CONSTRUCTED), AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	38480	\$1.34	\$51,563.20	\$1.26	\$48,484.80	\$0.50	\$19,240.00
14	WATERING CLAY LINER TO ENSURE THAT LINER MAINTAINS MOISTURE REQUIREMENTS AS DICTATED IN SPECS, INCLUDES WATERING TRUCK, TEMPORARY IRRIGATION SYSTEM, OR ANY MEANS NECESSARY TO KEEP CLAY MOIST, COMPLETE IN PLACE	DAY	10	\$1,050.89	\$10,508.90	\$0.01	\$0.10	\$2,200.00	\$22,000.00
15	CLEARING AND GRUBBING, OF PROPOSED FILL AREAS - MATERIAL TO BE HAULED OFFSITE (INCLUDES REMOVAL OF TREES, ROOT RAKING, BACK DRAGGING, AND TRANSPORTING), TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	52.9	\$3,726.99	\$197,157.77	\$6,825.00	\$361,042.50	\$6,600.00	\$349,140.00
16	8'X7' PRECAST REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES RUBBER GASKETS AT ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	862	\$893.29	\$770,015.98	\$957.60	\$825,451.20	\$1,029.00	\$886,998.00
17	5" CONCRETE SLOPE PAVING WITH 2' MINIMUM TOE WALLS ALL AROUND, 2' CLAY LINER BELOW ALL SLOPE PAVING, AND EXPANSION JOINTS, COMPLETE IN PLACE	SY	425	\$125.23	\$53,222.75	\$120.75	\$51,318.75	\$105.00	\$44,625.00
18	TYPE "C" MANHOLE TOP ON PROPOSED RCB, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$3,013.68	\$9,041.04	\$3,556.35	\$10,669.05	\$2,200.00	\$6,600.00
19	STORM SEWER UTILITY SPOIL TO BE USED FOR FILL IN PROPOSED FILL AREAS, INCLUDES EXCAVATION, HAULING, PLACING AND COMPACTION TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	3740	\$2.83	\$10,584.20	\$2.31	\$8,639.40	\$2.00	\$7,480.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
20	BACKSLOPE DRAIN INTERCEPTOR STRUCTURES, PER THE BDD4 DETAIL IN THE CONSTRUCTION PLANS, MATERIAL TO BE R.C.P., INCLUDING ALL PIPES, SLOPE PAVING WITH REINFORCING STEEL AT INFLOW AND OUTFLOW, RIP RAP, NECESSARY ADAPTORS, JOINTS AND FITTINGS, ETC., SPOILS TO BE HAULED, PLACED, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS IN FILL AREAS, TO BE APPROVED BY ENGINEER, COMPLETE IN PLACE	EA	8	\$9,648.60	\$77,188.80	\$11,272.80	\$90,182.40	\$13,675.00	\$109,400.00
21	INTERCEPTOR SWALES, INCLUDES EXCAVATION AND GRADING, AND PLACEMENT OF MATERIAL AS PER PLANS, COMPLETE IN PLACE	LF	5061	\$2.95	\$14,929.95	\$2.84	\$14,373.24	\$2.50	\$12,652.50
22	V-BOTTOM SWALES TO PROMOTE DRAINAGE WITH 4:1 S.S., LOCATED INSIDE PROPOSED PHASE 2 FILL AREA, COMPLETE IN PLACE	LF	4751	\$4.22	\$20,049.22	\$2.84	\$13,492.84	\$2.50	\$11,877.50
23	SOD FOR EROSION CONTROL AROUND BACKSLOPE DRAIN INTERCEPTOR STRUCTURES AND MISCELLANEOUS AREAS, TO BE USED AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	120	\$41.84	\$5,020.80	\$5.78	\$693.60	\$9.00	\$1,080.00
24	DEWATERING PER LF OF PIPE (NO SEPARATE PAY FOR DOUBLE ROW IF NEEDED), (ALL DEPTHS, THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	862	\$20.00	\$17,240.00	\$30.00	\$25,860.00	\$40.00	\$34,480.00
25	DEWATERING FOR GROUND WATER CONTROL, (INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT), COMPLETE IN PLACE	AC	15	\$10,034.76	\$150,521.40	\$5,353.33	\$80,299.95	\$3,000.00	\$45,000.00
26	ADDITIONAL PUMPING, AS NEEDED AND ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	DAY	15	\$959.86	\$14,397.90	\$0.01	\$0.15	\$815.00	\$12,225.00
27	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	862	\$0.58	\$499.96	\$0.11	\$94.82	\$0.50	\$431.00
<b>DETENTION AND DRAINAGE ITEMS SUBTOTAL:</b>					<b>\$3,110,769.67</b>		<b>\$3,882,292.30</b>		<b>\$4,164,525.40</b>
<b>MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS</b>									
1	METHOD "A" CONSTRUCTION STAKING AS PER GBI PARTNERS, L.P. (CONTACT JON BORDOVSKY AT 281.499.4539), COMPLETE IN PLACE	LS	1	\$14,500.00	\$14,500.00	\$14,500.00	\$14,500.00	\$14,500.00	\$14,500.00
2	AS-BUILT SURVEY OF ALL LAKES AND FILL AREAS (CONTACT JON BORDOVSKY AT 281.499.4539 TO PROVIDE CERTIFIED TOPOGRAPHIC SURVEY, GRID SPACING SHALL BE 200' MAXIMUM, INCLUDES 3D CAD FORMAT), COMPLETE IN PLACE	LS	1	\$7,200.00	\$7,200.00	\$7,200.00	\$7,200.00	\$7,200.00	\$7,200.00
3	CITY OF IOWA COLONY OVERWEIGHT VEHICLE PERMIT, COMPLETE IN PLACE	LS	1	\$5,504.94	\$5,504.94	\$6,354.70	\$6,354.70	\$500.00	\$500.00
4	STEEL PLATES COVERING BOTH LANES OF TRAFFIC ALONG CEDAR RAPIDS PARKWAY, PAVEMENT REPLACEMENT AND RESTORATION AS NEEDED, COMPLETE IN PLACE	LS	1	\$6,605.93	\$6,605.93	\$17,272.06	\$17,272.06	\$6,000.00	\$6,000.00
5	TEMPORARY TRAFFIC CONTROL ALONG CEDAR RAPIDS PARKWAY TO MAINTAIN FLOW OF TRAFFIC THROUGHOUT DURATION OF CONSTRUCTION, INCLUDES SIGNAGE AND FLAGMEN, AS NECESSARY, COMPLETE IN PLACE	LS	1	\$5,730.44	\$5,730.44	\$39,767.43	\$39,767.43	\$38,000.00	\$38,000.00
6	ADDITIONAL CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$20.00	\$10,000.00
7	TEMPORARY COFFER DAM ALONG LOCATIONS WHERE INSTALLING CULVERTS AND/OR ESTABLISHING POND HIGH BANK, INCLUDES PUMPING, INSTALLATION AND REMOVAL UPON COMPLETION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$18,786.56	\$18,786.56	\$7,510.10	\$7,510.10	\$100.00	\$100.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	400	\$20.00	\$8,000.00	\$20.00	\$8,000.00	\$25.00	\$10,000.00
9	MISCELLANEOUS SWALES TO PROMOTE POSITIVE DRAINAGE, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$2.95	\$1,475.00	\$2.84	\$1,420.00	\$2.50	\$1,250.00
10	HYDRO-MULCH SEEDING OF LAKES, CHANNELS, MAINTENANCE BERMS, AND SIDE SLOPES, AT LEAST 95% TURF ESTABLISHMENT REQUIRED, COMPLETE IN PLACE	AC	10.1	\$2,532.27	\$25,575.93	\$1,732.50	\$17,498.25	\$3,100.00	\$31,310.00
11	BROADCAST SEEDING OF FILL AREA, AT LEAST 80% TURF ESTABLISHMENT REQUIRED, COMPLETE IN PLACE	AC	56.9	\$990.89	\$56,381.64	\$0.01	\$0.57	\$10.00	\$569.00
12	STORMWATER POLLUTION PREVENTION PLAN, COMPLETE IN PLACE	LS	1	\$3,633.26	\$3,633.26	\$0.01	\$0.01	\$2,000.00	\$2,000.00
13	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE WASHOUT, COMPLETE IN PLACE	EA	1	\$1,978.94	\$1,978.94	\$0.01	\$0.01	\$100.00	\$100.00
14	INSTALLATION, MAINTENANCE, AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION AND REMOVAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	2	\$3,925.60	\$7,851.20	\$0.01	\$0.02	\$100.00	\$200.00
15	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	19550	\$2.20	\$43,010.00	\$0.01	\$195.50	\$0.01	\$195.50
16	PIPELINE CROSSINGS, PER DOW PIPELINE TO INCLUDE MATS, AS NEEDED AND DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	1	\$18,627.19	\$18,627.19	\$7,510.10	\$7,510.10	\$6,600.00	\$6,600.00
17	PIPELINE CROSSINGS, PER ENERGY TRANSFER PIPELINE TO INCLUDE MATS, AS NEEDED AND DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	1	\$18,627.19	\$18,627.19	\$7,510.10	\$7,510.10	\$6,600.00	\$6,600.00
18	OVER EXCAVATION AND UNDERCUTTING OF UNSUITABLE MATERIAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	15000	\$4.05	\$60,750.00	\$2.31	\$34,650.00	\$2.00	\$30,000.00
19	ADDITIONAL CLEARING AND GRUBBING, MATERIAL TO BE HAULED OFFSITE (INCLUDES REMOVAL OF TREES, ROOT RAKING, BACK DRAGGING, AND TRANSPORTING), TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	5	\$2,755.67	\$13,778.35	\$6,825.00	\$34,125.00	\$6,600.00	\$33,000.00
20	PERMIT FEE AS REQUIRED BY CITY OF IOWA COLONY, COMPLETE IN PLACE	LS	1	\$27,524.69	\$27,524.69	\$159,234.71	\$159,234.71	\$35,101.00	\$35,101.00
<b>MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS SUBTOTAL:</b>					<b>\$355,541.26</b>	<b>\$372,748.56</b>			<b>\$233,225.50</b>
<b>DETENTION AND DRAINAGE ITEMS FOR PHASE IIB</b>									
1	EXCAVATION OF LAKE A, INCLUDING UNIFORM SHAPING OF EXCAVATED SIDE SLOPES TO LINES AND GRADES SHOWN ON THE PLANS, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	92500	\$3.31	\$306,175.00	\$1.53	\$141,525.00	\$1.00	\$92,500.00
2	EXCAVATION FROM MASS GRADING AREA – PHASE II B FILL AREA SHOWN IN THE CONSTRUCTION PLANS, COMPLETE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS	CY	2000	\$3.31	\$6,620.00	\$1.53	\$3,060.00	\$1.00	\$2,000.00
3	EXCAVATION FROM MASS GRADING AREA-PHASE II FILL AREA SHOWN IN THE CONSTRUCTION PLANS, COMPLETE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS	CY	5000	\$3.31	\$16,550.00	\$1.53	\$7,650.00	\$1.00	\$5,000.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN BASIN (LAKE A) AREA AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	6000	\$2.37	\$14,220.00	\$1.53	\$9,180.00	\$2.64	\$15,840.00
5	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN MASS GRADING AREA – PHASE II B AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	81000	\$2.37	\$191,970.00	\$1.99	\$161,190.00	\$2.64	\$213,840.00
6	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN MASS GRADING AREA – PHASE II B PIPELINE RESERVE AREA AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	5500	\$2.37	\$13,035.00	\$1.99	\$10,945.00	\$2.64	\$14,520.00
7	SPREAD AND COMPACT EXCAVATION SPOILS FROM MASS GRADING WITHIN MASS GRADING AREA – PHASE II B FILL AREA SHOWN IN THE CONSTRUCTION PLANS, INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	2000	\$2.37	\$4,740.00	\$1.53	\$3,060.00	\$1.00	\$2,000.00
8	SPREAD AND COMPACT EXCAVATION SPOILS FROM MASS GRADING WITHIN MASS GRADING AREA-PHASE II FILL AREA SHOWN IN THE CONSTRUCTION PLANS, INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	5000	\$2.37	\$11,850.00	\$1.53	\$7,650.00	\$1.00	\$5,000.00
9	STORM SEWER UTILITY SPOIL TO BE USED FOR FILL IN PROPOSED MASS GRADING AREA - PHASE II FILL AREA, INCLUDES EXCAVATION, HAULING, PLACING AND COMPACTING TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8-INCH LIFTS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	CY	3500	\$3.03	\$10,605.00	\$2.31	\$8,085.00	\$2.00	\$7,000.00
10	STORM SEWER UTILITY SPOIL TO BE USED FOR FILL IN PROPOSED MASS GRADING AREA - PHASE II B FILL AREA, INCLUDES EXCAVATION, HAULING, PLACING AND COMPACTING TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8-INCH LIFTS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	CY	1500	\$1.96	\$2,940.00	\$2.31	\$3,465.00	\$2.00	\$3,000.00
11	5-INCH CONCRETE SLOPE PAVING WITH 2-FOOT MINIMUM TOE WALLS ALL AROUND, 2- FOOT CLAY LINER BELOW ALL SLOPE PAVING, (INCLUDING FILTER FABRIC, WEEP HOLES, TOE WALLS, RE-BAR, AND EXPANSION JOINTS), COMPLETE IN PLACE	SY	1515	\$128.33	\$194,419.95	\$120.75	\$182,936.25	\$105.00	\$159,075.00

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CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) NORTHTEX CONSTRUCTION, LLC		2) CLEARX, LLC		3) LONNIE LISCHKA COMPANY, LP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12	BACKSLOPE INTERCEPTOR STRUCTURE, PER THE BDD4 DETAIL IN THE CONSTRUCTION PLANS, MATERIAL TO BE R.C.P., INCLUDING ALL PIPES, SLOPE PAVING WITH REINFORCING STEEL AT INFLOW AND OUTFLOW, RIP RAP, NECESSARY ADAPTORS, JOINTS, AND FITTINGS, ETC., SPOILS TO BE HAULED, PLACED, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS IN FILL AREAS, TO BE APPROVED BY ENGINEER, COMPLETE IN PLACE	EA	10	\$12,410.99	\$124,109.90	\$14,230.65	\$142,306.50	\$13,675.00	\$136,750.00
13	BACKSLOPE INTERCEPTOR SWALES, INCLUDES EXCAVATION AND GRADING, AND PLACEMENT OF MATERIAL AS SHOWN ON CONSTRUCTION PLAN, COMPLETE IN PLACE	LF	5050	\$2.95	\$14,897.50	\$2.84	\$14,342.00	\$2.50	\$12,625.00
14	INSTALL, GRADE, AND COMPACT 2-FOOT-THICK CLAY LINER FOR BASIN (LAKE A), EXTENDING 2' ABOVE STATIC POOL ELEVATION, AS DIRECTED BY ENGINEER, CLAY MATERIAL TO BE OBTAINED WITHIN LIMITS OF BASIN (LAKE A), (FILLING IN MAXIMUM 8-INCH LIFTS UNTIL 2- FOOT-THICK MIN.), AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITIES CONSTRUCTED), COMPLETE IN PLACE	SY	25500	\$1.34	\$34,170.00	\$2.67	\$68,085.00	\$3.64	\$92,820.00
15	INSTALL, GRADE, AND COMPACT 2-FOOT-THICK CLAY LINER ALONG EXISTING SIDE SLOPE OF BCDD5 SWALE AND PROPOSED SIDE SLOPE OF GCWA SEEPAGE SWALE, AS SHOW IN THE CONSTRUCTION PLANS, (FILLING IN MAXIMUM 8-INCH LIFTS UNTIL 2-FOOT THICK MIN.), AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITIES CONSTRUCTED), AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	8500	\$1.34	\$11,390.00	\$5.34	\$45,390.00	\$0.50	\$4,250.00
16	WATERING CLAY LINER TO ENSURE THAT LINER MAINTAINS MOISTURE REQUIREMENTS AS DICTATED IN SPECS, INCLUDES WATERING TRUCK, TEMPORARY IRRIGATION SYSTEM, OR ANY MEANS NECESSARY TO KEEP CLAY MOIST, COMPLETE IN PLACE	DAY	10	\$1,050.89	\$10,508.90	\$0.01	\$0.10	\$2,200.00	\$22,000.00
17	SEEPAGE SWALE WITHIN GCWA PROPERTY AS SHOWN IN THE CONSTRUCTION PLANS, TO MAINTAIN POSITIVE DRAINAGE, 4:1 SIDE SLOPES, INCLUDING TIE- IN TO EXISTING RCP, COMPLETE IN PLACE	LF	2160	\$5.19	\$11,210.40	\$2.84	\$6,134.40	\$3.00	\$6,480.00
18	V-BOTTOM SWALES TO PROMOTE DRAINAGE WITH 4:1 S.S., ALONG PERIMETER OF FILL AREAS, COMPLETE IN PLACE	LF	4815	\$4.21	\$20,271.15	\$2.84	\$13,674.60	\$2.50	\$12,037.50
19	48-INCH RCP, ASTM C-76, CLASS III, ALL DEPTHS, (INCLUDING BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	40	\$244.51	\$9,780.40	\$256.20	\$10,248.00	\$265.00	\$10,600.00
20	54-INCH RCP, ASTM C-76, CLASS III, ALL DEPTHS, (INCLUDING BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	136	\$315.01	\$42,841.36	\$347.55	\$47,266.80	\$360.00	\$48,960.00
21	4' X 4'-REINFORCED CONCRETE STORM SEWER BOX, ALL DEPTHS, (INCLUDING RUBBER GASKET AT ALL JOINTS, BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	193	\$371.81	\$71,759.33	\$457.80	\$88,355.40	\$430.00	\$82,990.00
22	6' X 4'-REINFORCED CONCRETE STORM SEWER BOX, ALL DEPTHS, (INCLUDING RUBBER GASKET AT ALL JOINTS, BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	118	\$846.79	\$99,921.22	\$589.05	\$69,507.90	\$609.09	\$71,872.62
23	9' X 4'-REINFORCED CONCRETE STORM SEWER BOX, ALL DEPTHS, (INCLUDING RUBBER GASKET AT ALL JOINTS, BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	321	\$902.25	\$289,622.25	\$910.35	\$292,222.35	\$993.00	\$318,753.00
24	8' X 7'-REINFORCED CONCRETE STORM SEWER BOX CULVERT, ALL DEPTHS, (INCLUDING RUBBER GASKET AT ALL JOINTS, BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	945	\$899.29	\$849,829.05	\$973.35	\$919,815.75	\$1,029.12	\$972,518.40
25	STANDARD TYPE "C" MANHOLE (48" AND LARGER PIPE) WITH TYPE "E" INLET TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$5,778.27	\$5,778.27	\$7,095.90	\$7,095.90	\$3,600.00	\$3,600.00

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CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) NORTHTEX CONSTRUCTION, LLC		2) CLEARX, LLC		3) LONNIE LISCHKA COMPANY, LP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
26	STANDARD TYPE "C" ACCESS MANHOLE BUILT ON PROPOSED RCB, AS SHOWN IN CONSTRUCTION PLANS, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$3,245.99	\$19,475.94	\$3,969.00	\$23,814.00	\$2,200.00	\$13,200.00
27	STANDARD TYPE "C" ACCESS MANHOLE WITH TYPE "E" INLET TOP BUILT ON PROPOSED RCB, AS SHOWN IN CONSTRUCTION PLANS, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$3,372.61	\$6,745.22	\$3,436.65	\$6,873.30	\$3,400.00	\$6,800.00
28	R.C.B. CULVERT BEND OR COLLAR WITH TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	1	\$9,913.51	\$9,913.51	\$4,557.00	\$4,557.00	\$1,200.00	\$1,200.00
29	JUNCTION BOX STRUCTURE WITH TYPE "C" MANHOLE TOP, AS SHOWN IN CONSTRUCTION PLANS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$23,190.38	\$23,190.38	\$47,308.80	\$47,308.80	\$19,300.00	\$19,300.00
30	8-INCH BRICK WALL PLUG FOR END OF 48-INCH RCP, COMPLETE IN PLACE	EA	2	\$377.53	\$755.06	\$354.90	\$709.80	\$400.00	\$800.00
31	8-INCH BRICK WALL PLUG FOR END OF 54-INCH RCP, COMPLETE IN PLACE	EA	1	\$445.02	\$445.02	\$413.70	\$413.70	\$600.00	\$600.00
32	8-INCH BRICK WALL PLUG FOR END OF 4' X 4' RCB, COMPLETE IN PLACE	EA	1	\$643.92	\$643.92	\$560.70	\$560.70	\$800.00	\$800.00
33	8-INCH BRICK WALL PLUG FOR END OF 6' X 4' RCB, COMPLETE IN PLACE	EA	1	\$881.41	\$881.41	\$620.55	\$620.55	\$1,000.00	\$1,000.00
34	DEWATERING PER LF OF PIPE (NO SEPARATE PAY FOR DOUBLE ROW IF NEEDED), ALL DEPTHS, (THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE DISCRETION OF THE ENGINEERING/OWNER), WHEN AUTHORIZED BY OWNER, COMPLETE IN PLACE	LF	850	\$20.00	\$17,000.00	\$30.00	\$25,500.00	\$40.00	\$34,000.00
35	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	200	\$20.00	\$4,000.00	\$20.00	\$4,000.00	\$25.00	\$5,000.00
36	SOD FOR EROSION CONTROL AROUND BACKSLOPE DRAIN INTERCEPTOR STRUCTURES AND MISCELLANEOUS AREAS, TO BE USED AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	150	\$4.68	\$702.00	\$5.78	\$867.00	\$9.00	\$1,350.00
37	DEWATERING FOR GROUND WATER CONTROL, (INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT), COMPLETE IN PLACE	AC	7.9	\$1,332.74	\$10,528.65	\$5,393.65	\$42,609.84	\$3,000.00	\$23,700.00
38	ADDITIONAL PUMPING, AS NEEDED AND ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	DAY	5	\$1,368.96	\$6,844.80	\$0.01	\$0.05	\$815.00	\$4,075.00
39	DESIGN OF TRENCH EXCAVATION AND SHORING SAFETY PLAN, COMPLETE IN PLACE	LS	1	\$4,403.95	\$4,403.95	\$886.20	\$886.20	\$1,600.00	\$1,600.00
40	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1753	\$0.60	\$1,051.80	\$0.11	\$192.83	\$0.50	\$876.50
41	REMOVAL AND DISPOSAL OFFSITE OF EXISTING ASPHALT, BASE, AND SUBGRADE FOR CR 57, COMPLETE IN PLACE	SY	120	\$33.15	\$3,978.00	\$58.80	\$7,056.00	\$21.00	\$2,520.00
42	REMOVAL AND DISPOSAL OFFSITE OF TEMPORARY ASPHALTIC CONCRETE PAVEMENT, BASE, SUBGRADE, AND FILL MATERIAL, COMPLETE IN PLACE	SY	175	\$43.07	\$7,537.25	\$68.25	\$11,943.75	\$21.00	\$3,675.00
43	TEMPORARY ASPHALTIC CONCRETE PAVEMENT FOR CR 57, AS SHOWN IN THE CONSTRUCTION PLANS AND PER CITY OF IOWA COLONY SPECIFICATIONS AND DETAILS. TO INCLUDE FILL PLACEMENT, GRADING AND COMPACTION AS NECESSARY, 2-INCH HOT-MIX ASPHALTIC CONCRETE, 8-INCH CRUSHED LIMESTONE BASE, AND 8-INCH STABILIZED SUBGRADE, TEMPORARY STRIPING AND PAVEMENT MARKINGS, COMPLETE IN PLACE	SY	175	\$110.14	\$19,274.50	\$236.25	\$41,343.75	\$164.37	\$28,764.75



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 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) NORTHTEX CONSTRUCTION, LLC		2) CLEARX, LLC		3) LONNIE LISCHKA COMPANY, LP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
44	REPLACEMENT OF ASPHALTIC CONCRETE PAVEMENT FOR CR 57 AS SHOWN IN THE CONSTRUCTION PLANS AND PER CITY OF IOWA COLONY SPECIFICATIONS AND DETAILS, TO INCLUDE 2-INCH HOT-MIX ASPHALTIC CONCRETE, 8-INCH CRUSHED LIMESTONE BASE, AND 8-INCH STABILIZED SUBGRADE, COMPLETE IN PLACE	SY	120	\$111.40	\$13,368.00	\$218.40	\$26,208.00	\$182.20	\$21,864.00
45	RESTORATION OF CR 57 ROW TO EXISTING CONDITIONS, TO INCLUDE RE-GRADING OF CR 57 ROAD-SIDE DITCH TO PROVIDE POSITIVE DRAINAGE AND SEEDING OF DISTURBED AREAS, COMPLETE IN PLACE	LS	1	\$5,389.78	\$5,389.78	\$5,079.90	\$5,079.90	\$100.00	\$100.00
46	PAVEMENT MARKINGS, STRIPING, AND TRAFFIC BUTTONS, COMPLETE IN PLACE	LS	1	\$2,752.47	\$2,752.47	\$2,067.45	\$2,067.45	\$2,600.00	\$2,600.00
47	TRAFFIC CONTROL, AS SHOWN IN CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$5,730.44	\$5,730.44	\$18,375.00	\$18,375.00	\$7,500.00	\$7,500.00
<b>DETENTION AND DRAINAGE ITEMS FOR PHASE IIB SUBTOTAL:</b>					<b>\$2,533,826.78</b>		<b>\$2,534,178.57</b>		<b>\$2,497,356.77</b>
<b>MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS FOR PHASE IIB</b>									
1	INLET PROTECTION BARRIER, STAGE I, COMPLETE IN PLACE	EA	10	\$71.57	\$715.70	\$88.20	\$882.00	\$10.00	\$100.00
2	PIPELINE CROSSING TO INCLUDE TEMPORARY WOOD MATS PER ENERGY TRANSFER CROSSING GUIDELINES AND CROSSING AGREEMENT, INCLUDES COORDINATION WITH PIPELINE COMPANY, COMPLETE IN PLACE	EA	1	\$18,627.19	\$18,627.19	\$7,510.10	\$7,510.10	\$6,000.00	\$6,000.00
3	OVER EXCAVATION AND UNDERCUTTING OF UNSUITABLE MATERIAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$4.05	\$405.00	\$2.31	\$231.00	\$2.00	\$200.00
4	HYDRO-MULCH SEEDING OF DETENTION POND SIDE SLOPES AND MAINTENANCE BERMS, FINAL PAYMENT CONTINGENT AT LEAST 95% TURF ESTABLISHMENT REQUIRED, AS DIRECTED BY ENGINEER AND WHEN AUTHORIZED BY OWNER, COMPLETE IN PLACE	AC	8.1	\$2,532.27	\$20,511.39	\$1,732.50	\$14,033.25	\$3,100.00	\$25,110.00
5	METHOD "A" CONSTRUCTION STAKING FOR BASIN EXCAVATION AND MASS GRADED AREA AS PER GBI PARTNERS, L.P. (CONTACT JON BORDOVSKY AT 281.499.4539), COMPLETE IN PLACE	LS	1	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00
6	AS-BUILT SURVEY OF LAKE A AND PHASE II AND PHASE IIB FILL AREAS (CONTACT JON BORDOVSKY AT 281.499.4539 TO PROVIDE CERTIFIED TOPOGRAPHIC SURVEY, GRID SPACING SHALL BE 200' MAXIMUM, INCLUDES 3D CAD FORMAT), COMPLETE IN PLACE	LS	1	\$4,600.00	\$4,600.00	\$4,600.00	\$4,600.00	\$4,600.00	\$4,600.00
7	ADDITIONAL CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	500	\$20.00	\$10,000.00	\$23.11	\$11,555.00	\$20.00	\$10,000.00
8	TEMPORARY COFFER DAM ALONG LOCATIONS WHERE INSTALLING CULVERTS (EXIST LAKE B), INCLUDES PUMPING, INSTALLATION AND REMOVEAL UPON COMPLETION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER/OWNER), COMPLETE IN PLACE	EA	1	\$18,786.56	\$18,786.56	\$7,510.10	\$7,510.10	\$100.00	\$100.00
9	REINFORCED FILTER DAM PER PLAN, COMPLETE IN PLACE	EA	1	\$1,100.98	\$1,100.98	\$0.01	\$0.01	\$100.00	\$100.00
10	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE WASHOUT, COMPLETE IN PLACE	EA	1	\$1,978.94	\$1,978.94	\$0.01	\$0.01	\$100.00	\$100.00
11	INSTALLATION, MAINTENANCE, AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, TO INCLUDE CULVERT CROSSING AS NECESSARY, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION AND REMOVAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$4,463.43	\$4,463.43	\$0.01	\$0.01	\$500.00	\$500.00
12	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	9150	\$2.20	\$20,130.00	\$0.01	\$91.50	\$0.01	\$91.50

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 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
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ITEM	DESCRIPTION	UNIT	QTY	1) NORTHTEX CONSTRUCTION, LLC		2) CLEARX, LLC		3) LONNIE LISCHKA COMPANY, LP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
13	DEBRIS REMOVAL AS REQUIRED BY FIELD CONDITIONS, TO BE APPROPRIATELY DISPOSED OFFSITE AND TO INCLUDE TRAILER LOADS OR ROLL OFF BOXES OF APPROXIMATELY 40 CUBIC YARDS, AS DIRECTED BY ENGINEER AND WHEN AUTHORIZED BY OWNER, COMPLETE IN PLACE	EA	5	\$522.97	\$2,614.85	\$1,733.10	\$8,665.50	\$2,000.00	\$10,000.00
14	PERMIT FEE AS REQUIRED BY CITY OF IOWA COLONY, COMPLETE IN PLACE	LS	1	\$20,368.27	\$20,368.27	\$24,387.95	\$24,387.95	\$20,688.00	\$20,688.00
<b>MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS FOR PHASE IIB SUBTOTAL:</b>					<b>\$131,102.31</b>		<b>\$86,266.43</b>		<b>\$84,389.50</b>
<b>ALTERNATE BID ITEMS NO. 1</b>									
1	ADDITIONAL COST TO ACHIEVE SUBSTANTIAL COMPLETION OF PRIORITY FILL AREA "A" WITHIN 15 DAYS AFTER GIVEN NOTICE TO PROCEED, INCLUDES EXCAVATION, UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, COMPLETE IN PLACE	LS	1	\$33,029.63	\$33,029.63	\$1,155,400.00	\$1,155,400.00	\$100,000.00	\$100,000.00
2	ADDITIONAL COST TO ACHIEVE SUBSTANTIAL COMPLETION OF PRIORITY FILL AREA "B" WITHIN 40 DAYS AFTER GIVEN NOTICE TO PROCEED, INCLUDES EXCAVATION, UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, COMPLETE IN PLACE	LS	1	\$22,019.75	\$22,019.75	\$1,155,400.00	\$1,155,400.00	\$100,000.00	\$100,000.00
3	ADDITIONAL COST TO ACHIEVE SUBSTANTIAL COMPLETION OF PRIORITY FILL AREA "C" WITHIN 65 DAYS AFTER GIVEN NOTICE TO PROCEED, INCLUDES EXCAVATION, UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, COMPLETE IN PLACE	LS	1	\$22,019.75	\$22,019.75	\$1,155,400.00	\$1,155,400.00	\$100,000.00	\$100,000.00
<b>ALTERNATE BID ITEMS NO. 1 SUBTOTAL:</b>					<b>\$77,069.13</b>		<b>\$3,466,200.00</b>		<b>\$300,000.00</b>
<b>ALTERNATE BID ITEMS NO. 2</b>									
1	IN LIEU OF DETENTION AND DRAINAGE ITEMS FOR PHASE IIB BID ITEMS 41-47, ADDITIONAL COST TO INSTALL TRIPLE 8' X 7' RCB UTILIZING TRENCHLESS CONSTRUCTION METHODS UNDER EXISTING CR 57 (EXCLUDING RCB), COMPLETE IN PLACE	LF	150	\$2,039.35	\$305,902.50	\$1,495.20	\$224,280.00	\$1,518.00	\$227,700.00
<b>ALTERNATE BID ITEMS NO. 2 SUBTOTAL:</b>					<b>\$305,902.50</b>		<b>\$224,280.00</b>		<b>\$227,700.00</b>
<b>ALTERNATE BID ITEMS NO. 3</b>									
1	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF LAKE D-3, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DETENTION & DRAINAGE ITEM NO. 1, COMPLETE IN PLACE	CY	295800	\$11.52	\$3,407,616.00	\$30.21	\$8,936,118.00	\$30.00	\$8,874,000.00
2	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF LAKE E, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DETENTION & DRAINAGE ITEM NO. 2, COMPLETE IN PLACE	CY	177700	\$11.52	\$2,047,104.00	\$30.21	\$5,368,317.00	\$30.00	\$5,331,000.00
3	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF LAKE A, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DETENTION & DRAINAGE ITEM FOR PHASE IIB NO. 1, COMPLETE IN PLACE	CY	92500	\$11.52	\$1,065,600.00	\$30.21	\$2,794,425.00	\$30.00	\$2,775,000.00

**BID TABULATION FOR:**

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

CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) NORTHTEX CONSTRUCTION, LLC		2) CLEARX, LLC		3) LONNIE LISCHKA COMPANY, LP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF PHASE II B MASS GRADING AREA, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DETENTION & DRAINAGE ITEM FOR PHASE IIB NO. 2, COMPLETE IN PLACE	CY	2000	\$11.52	\$23,040.00	\$30.21	\$60,420.00	\$30.00	\$60,000.00
5	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF PHASE II MASS GRADING AREA, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DETENTION & DRAINAGE ITEM FOR PHASE IIB NO. 3, COMPLETE IN PLACE	CY	5000	\$11.52	\$57,600.00	\$30.21	\$151,050.00	\$30.00	\$150,000.00
<b>ALTERNATE BID ITEMS NO. 3 SUBTOTAL:</b>					<b>\$6,600,960.00</b>		<b>\$17,310,330.00</b>		<b>\$17,190,000.00</b>
<b><u>BIDDING SUMMARY</u></b>									
SUBTOTAL DETENTION AND DRAINAGE ITEMS					\$3,110,769.67		\$3,882,292.30		\$4,164,525.40
SUBTOTAL MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS					\$355,541.26		\$372,748.56		\$233,225.50
SUBTOTAL DETENTION AND DRAINAGE ITEMS FOR PHASE IIB					\$2,533,826.78		\$2,534,178.57		\$2,497,356.77
SUBTOTAL MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS FOR PHASE IIB					\$131,102.31		\$86,266.43		\$84,389.50
<b>TOTAL AMOUNT BASE BID</b>					<b>\$6,131,240.02</b>		<b>\$6,875,485.86</b>		<b>\$6,979,497.17</b>
<b><u>ALTERNATE BID ITEMS NO. 1</u></b>									
TOTAL AMOUNT BASE BID					\$6,131,240.02		\$6,875,485.86		\$6,979,497.17
SUBTOTAL ALTERNATE BID ITEMS NO. 1					\$77,069.13		\$3,466,200.00		\$300,000.00
<b>TOTAL AMOUNT INCLUDING ALTERNATE BID ITEMS NO. 1</b>					<b>\$6,208,309.15</b>		<b>\$10,341,685.86</b>		<b>\$7,279,497.17</b>
<b><u>ALTERNATE BID ITEMS NO. 2</u></b>									
TOTAL AMOUNT BASE BID					\$6,131,240.02		\$6,875,485.86		\$6,979,497.17
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.41					-\$3,978.00		-\$7,056.00		-\$2,520.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.42					-\$7,537.25		-\$11,943.75		-\$3,675.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.43					-\$19,274.50		-\$41,343.75		-\$28,764.75
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.44					-\$13,368.00		-\$26,208.00		-\$21,864.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.45					-\$5,389.78		-\$5,079.90		-\$100.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.46					-\$2,752.47		-\$2,067.45		-\$2,600.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.47					-\$5,730.44		-\$18,375.00		-\$7,500.00
SUBTOTAL ALTERNATE BID ITEMS NO. 2					\$305,902.50		\$224,280.00		\$227,700.00
<b>TOTAL AMOUNT INCLUDING ALTERNATE BID ITEMS NO. 2</b>					<b>\$6,379,112.08</b>		<b>\$6,987,692.01</b>		<b>\$7,140,173.42</b>
<b><u>ALTERNATE BID ITEMS NO. 3</u></b>									
TOTAL AMOUNT BASE BID					\$6,131,240.02		\$6,875,485.86		\$6,979,497.17
DEDUCT DETENTION AND DRAINAGE ITEMS ITEM NO.1					-\$283,968.00		-\$428,910.00		-\$295,800.00
DEDUCT DETENTION AND DRAINAGE ITEMS ITEM NO.2					-\$170,592.00		-\$257,665.00		-\$177,700.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.1					-\$306,175.00		-\$141,525.00		-\$92,500.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.2					-\$6,620.00		-\$3,060.00		-\$2,000.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.3					-\$16,550.00		-\$7,650.00		-\$5,000.00

**BID TABULATION FOR:**

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

CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
SEPTEMBER 12, 2023  
LJA ENGINEERING, INC.  
P.CHATTERJEE  
SEPTEMBER 13, 2023  
1931-8109 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) NORTHTEX CONSTRUCTION, LLC		2) CLEARX, LLC		3) LONNIE LISCHKA COMPANY, LP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
	SUBTOTAL ALTERNATE BID ITEMS NO. 3				\$6,600,960.00		\$17,310,330.00		\$17,190,000.00
	<b>TOTAL AMOUNT INCLUDING ALTERNATE BID ITEMS NO. 3</b>				<b>\$11,948,295.02</b>		<b>\$23,347,005.86</b>		<b>\$23,596,497.17</b>

LJA Engineering, Inc.

**BID TABULATION FOR:**

CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) SONORA CONSTRUCTION		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC		
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>DETENTION AND DRAINAGE ITEMS</b>										
1	EXCAVATION OF LAKE D-3, INCLUDING UNIFORM SHAPING OF EXCAVATED SIDE SLOPES TO LINES AND GRADES SHOWN ON THE PLANS, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	295800	\$1.00	\$295,800.00	\$1.50	\$443,700.00	\$2.50	\$739,500.00	
2	EXCAVATION OF LAKE E, INCLUDING UNIFORM SHAPING OF EXCAVATED SIDE SLOPES TO LINES AND GRADES SHOWN ON THE PLANS, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	177700	\$1.00	\$177,700.00	\$1.50	\$266,550.00	\$2.50	\$444,250.00	
3	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN PRIORITY FILL AREA "A" AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	55530	\$2.75	\$152,707.50	\$2.10	\$116,613.00	\$1.00	\$55,530.00	
4	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN PRIORITY FILL AREA "B" AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	113490	\$2.20	\$249,678.00	\$2.10	\$238,329.00	\$1.00	\$113,490.00	
5	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN PRIORITY FILL AREA "C" AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	78800	\$5.00	\$394,000.00	\$2.10	\$165,480.00	\$4.25	\$334,900.00	
6	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL AT FUTURE BULLARD ROAD LOCATION AS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	18220	\$2.00	\$36,440.00	\$2.10	\$38,262.00	\$1.00	\$18,220.00	
7	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL AT GUN RANGE LOCATION AS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	10000	\$4.00	\$40,000.00	\$2.10	\$21,000.00	\$3.00	\$30,000.00	
8	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL AT EAST PROPERTY LOCATION AS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	20000	\$2.50	\$50,000.00	\$2.10	\$42,000.00	\$1.00	\$20,000.00	

**BID TABULATION FOR:**

CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) SONORA CONSTRUCTION		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL SOUTH OF C.R. 57 LOCATION AS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	173700	\$6.00	\$1,042,200.00	\$2.10	\$364,770.00	\$4.25	\$738,225.00
10	OVER EXCAVATION OF MATERIAL UNSUITABLE FOR CLAY LINING FOR LAKE D-3, TO BE USED FOR PROPOSED FILL, PLACING, COMPACTING TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITIES CONSTRUCTED), AS DIRECTED BY THE GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	CY	37900	\$1.20	\$45,480.00	\$3.00	\$113,700.00	\$2.20	\$83,380.00
11	OVER EXCAVATION OF MATERIAL UNSUITABLE FOR CLAY LINING FOR LAKE E, TO BE USED FOR PROPOSED FILL, PLACING, COMPACTING TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITIES CONSTRUCTED), AS DIRECTED BY THE GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	CY	25700	\$1.20	\$30,840.00	\$3.00	\$77,100.00	\$2.20	\$56,540.00
12	CLAY FILL FOR LAKE D-3 LINER, MATERIAL TO BE OBTAINED WITHIN LIMITS OF LAKE BOTTOM, (FILLING IN A MAXIMUM 8" LIFTS UNTIL 2' THICK (MIN.), AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITY CONSTRUCTED), AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	56800	\$0.55	\$31,240.00	\$2.46	\$139,728.00	\$1.50	\$85,200.00
13	CLAY FILL FOR LAKE E LINER, MATERIAL TO BE OBTAINED WITHIN LIMITS OF LAKE BOTTOM, (FILLING IN A MAXIMUM 8" LIFTS UNTIL 2' THICK (MIN.), AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITY CONSTRUCTED), AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	38480	\$0.55	\$21,164.00	\$2.46	\$94,660.80	\$1.50	\$57,720.00
14	WATERING CLAY LINER TO ENSURE THAT LINER MAINTAINS MOISTURE REQUIREMENTS AS DICTATED IN SPECS, INCLUDES WATERING TRUCK, TEMPORARY IRRIGATION SYSTEM, OR ANY MEANS NECESSARY TO KEEP CLAY MOIST, COMPLETE IN PLACE	DAY	10	\$600.00	\$6,000.00	\$1,200.00	\$12,000.00	\$1,000.00	\$10,000.00
15	CLEARING AND GRUBBING, OF PROPOSED FILL AREAS - MATERIAL TO BE HAULED OFFSITE (INCLUDES REMOVAL OF TREES, ROOT RAKING, BACK DRAGGING, AND TRANSPORTING), TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	52.9	\$8,150.00	\$431,135.00	\$6,360.00	\$336,444.00	\$9,000.00	\$476,100.00
16	8'X7' PRECAST REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES RUBBER GASKETS AT ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	862	\$1,026.00	\$884,412.00	\$1,176.60	\$1,014,229.20	\$1,100.00	\$948,200.00
17	5" CONCRETE SLOPE PAVING WITH 2' MINIMUM TOE WALLS ALL AROUND, 2' CLAY LINER BELOW ALL SLOPE PAVING, AND EXPANSION JOINTS, COMPLETE IN PLACE	SY	425	\$138.00	\$58,650.00	\$174.90	\$74,332.50	\$99.00	\$42,075.00
18	TYPE "C" MANHOLE TOP ON PROPOSED RCB, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$2,940.00	\$8,820.00	\$5,301.00	\$15,903.00	\$3,000.00	\$9,000.00
19	STORM SEWER UTILITY SPOIL TO BE USED FOR FILL IN PROPOSED FILL AREAS, INCLUDES EXCAVATION, HAULING, PLACING AND COMPACTION TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	3740	\$3.00	\$11,220.00	\$4.50	\$16,830.00	\$3.50	\$13,090.00

**BID TABULATION FOR:**

CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) SONORA CONSTRUCTION		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
20	BACKSLOPE DRAIN INTERCEPTOR STRUCTURES, PER THE BDD4 DETAIL IN THE CONSTRUCTION PLANS, MATERIAL TO BE R.C.P., INCLUDING ALL PIPES, SLOPE PAVING WITH REINFORCING STEEL AT INFLOW AND OUTFLOW, RIP RAP, NECESSARY ADAPTORS, JOINTS AND FITTINGS, ETC., SPOILS TO BE HAULED, PLACED, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS IN FILL AREAS, TO BE APPROVED BY ENGINEER, COMPLETE IN PLACE	EA	8	\$18,100.00	\$144,800.00	\$16,431.00	\$131,448.00	\$13,000.00	\$104,000.00
21	INTERCEPTOR SWALES, INCLUDES EXCAVATION AND GRADING, AND PLACEMENT OF MATERIAL AS PER PLANS, COMPLETE IN PLACE	LF	5061	\$3.00	\$15,183.00	\$3.00	\$15,183.00	\$3.00	\$15,183.00
22	V-BOTTOM SWALES TO PROMOTE DRAINAGE WITH 4:1 S.S., LOCATED INSIDE PROPOSED PHASE 2 FILL AREA, COMPLETE IN PLACE	LF	4751	\$3.00	\$14,253.00	\$3.00	\$14,253.00	\$3.00	\$14,253.00
23	SOD FOR EROSION CONTROL AROUND BACKSLOPE DRAIN INTERCEPTOR STRUCTURES AND MISCELLANEOUS AREAS, TO BE USED AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	120	\$14.50	\$1,740.00	\$10.62	\$1,274.40	\$9.00	\$1,080.00
24	DEWATERING PER LF OF PIPE (NO SEPARATE PAY FOR DOUBLE ROW IF NEEDED), (ALL DEPTHS, THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	862	\$20.00	\$17,240.00	\$31.80	\$27,411.60	\$20.00	\$17,240.00
25	DEWATERING FOR GROUND WATER CONTROL, (INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT), COMPLETE IN PLACE	AC	15	\$2,220.00	\$33,300.00	\$3,690.00	\$55,350.00	\$5,000.00	\$75,000.00
26	ADDITIONAL PUMPING, AS NEEDED AND ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	DAY	15	\$960.00	\$14,400.00	\$900.00	\$13,500.00	\$600.00	\$9,000.00
27	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	862	\$1.00	\$862.00	\$1.59	\$1,370.58	\$1.00	\$862.00
<b>DETENTION AND DRAINAGE ITEMS SUBTOTAL:</b>					<b>\$4,209,264.50</b>		<b>\$3,851,422.08</b>		<b>\$4,512,038.00</b>
<b>MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS</b>									
1	METHOD "A" CONSTRUCTION STAKING AS PER GBI PARTNERS, L.P. (CONTACT JON BORDOVSKY AT 281.499.4539), COMPLETE IN PLACE	LS	1	\$14,500.00	\$14,500.00	\$15,372.00	\$15,372.00	\$14,500.00	\$14,500.00
2	AS-BUILT SURVEY OF ALL LAKES AND FILL AREAS (CONTACT JON BORDOVSKY AT 281.499.4539 TO PROVIDE CERTIFIED TOPOGRAPHIC SURVEY, GRID SPACING SHALL BE 200' MAXIMUM, INCLUDES 3D CAD FORMAT), COMPLETE IN PLACE	LS	1	\$7,200.00	\$7,200.00	\$7,632.00	\$7,632.00	\$7,200.00	\$7,200.00
3	CITY OF IOWA COLONY OVERWEIGHT VEHICLE PERMIT, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00	\$21,900.00	\$21,900.00	\$20,000.00	\$20,000.00
4	STEEL PLATES COVERING BOTH LANES OF TRAFFIC ALONG CEDAR RAPIDS PARKWAY, PAVEMENT REPLACEMENT AND RESTORATION AS NEEDED, COMPLETE IN PLACE	LS	1	\$6,000.00	\$6,000.00	\$45,690.00	\$45,690.00	\$25,000.00	\$25,000.00
5	TEMPORARY TRAFFIC CONTROL ALONG CEDAR RAPIDS PARKWAY TO MAINTAIN FLOW OF TRAFFIC THROUGHOUT DURATION OF CONSTRUCTION, INCLUDES SIGNAGE AND FLAGMEN, AS NECESSARY, COMPLETE IN PLACE	LS	1	\$60,000.00	\$60,000.00	\$21,690.00	\$21,690.00	\$35,000.00	\$35,000.00
6	ADDITIONAL CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	500	\$20.00	\$10,000.00	\$26.52	\$13,260.00	\$20.00	\$10,000.00
7	TEMPORARY COFFER DAM ALONG LOCATIONS WHERE INSTALLING CULVERTS AND/OR ESTABLISHING POND HIGH BANK, INCLUDES PUMPING, INSTALLATION AND REMOVAL UPON COMPLETION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$10,000.00	\$10,000.00	\$15,900.00	\$15,900.00	\$10,000.00	\$10,000.00

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CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) SONORA CONSTRUCTION		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	400	\$20.00	\$8,000.00	\$21.21	\$8,484.00	\$20.00	\$8,000.00
9	MISCELLANEOUS SWALES TO PROMOTE POSITIVE DRAINAGE, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$3.00	\$1,500.00	\$3.00	\$1,500.00	\$3.00	\$1,500.00
10	HYDRO-MULCH SEEDING OF LAKES, CHANNELS, MAINTENANCE BERMS, AND SIDE SLOPES, AT LEAST 95% TURF ESTABLISHMENT REQUIRED, COMPLETE IN PLACE	AC	10.1	\$2,500.00	\$25,250.00	\$2,757.00	\$27,845.70	\$1,100.00	\$11,110.00
11	BROADCAST SEEDING OF FILL AREA, AT LEAST 80% TURF ESTABLISHMENT REQUIRED, COMPLETE IN PLACE	AC	56.9	\$100.00	\$5,690.00	\$849.00	\$48,308.10	\$400.00	\$22,760.00
12	STORMWATER POLLUTION PREVENTION PLAN, COMPLETE IN PLACE	LS	1	\$900.00	\$900.00	\$6,900.00	\$6,900.00	\$2,000.00	\$2,000.00
13	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE WASHOUT, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$1,590.00	\$1,590.00	\$500.00	\$500.00
14	INSTALLATION, MAINTENANCE, AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION AND REMOVAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	2	\$2,500.00	\$5,000.00	\$3,690.00	\$7,380.00	\$2,000.00	\$4,000.00
15	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	19550	\$2.00	\$39,100.00	\$3.48	\$68,034.00	\$1.25	\$24,437.50
16	PIPELINE CROSSINGS, PER DOW PIPELINE TO INCLUDE MATS, AS NEEDED AND DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	1	\$9,000.00	\$9,000.00	\$36,900.00	\$36,900.00	\$12,000.00	\$12,000.00
17	PIPELINE CROSSINGS, PER ENERGY TRANSFER PIPELINE TO INCLUDE MATS, AS NEEDED AND DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	1	\$9,000.00	\$9,000.00	\$36,900.00	\$36,900.00	\$12,000.00	\$12,000.00
18	OVER EXCAVATION AND UNDERCUTTING OF UNSUITABLE MATERIAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	15000	\$2.50	\$37,500.00	\$3.90	\$58,500.00	\$3.00	\$45,000.00
19	ADDITIONAL CLEARING AND GRUBBING, MATERIAL TO BE HAULED OFFSITE (INCLUDES REMOVAL OF TREES, ROOT RAKING, BACK DRAGGING, AND TRANSPORTING), TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	5	\$8,150.00	\$40,750.00	\$6,360.00	\$31,800.00	\$9,000.00	\$45,000.00
20	PERMIT FEE AS REQUIRED BY CITY OF IOWA COLONY, COMPLETE IN PLACE	LS	1	\$48,000.00	\$48,000.00	\$36,990.00	\$36,990.00	\$50,000.00	\$50,000.00
<b>MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS SUBTOTAL:</b>					<b>\$342,890.00</b>	<b>\$512,575.80</b>	<b>\$360,007.50</b>		
<b>DETENTION AND DRAINAGE ITEMS FOR PHASE IIB</b>									
1	EXCAVATION OF LAKE A, INCLUDING UNIFORM SHAPING OF EXCAVATED SIDE SLOPES TO LINES AND GRADES SHOWN ON THE PLANS, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	92500	\$1.00	\$92,500.00	\$1.50	\$138,750.00	\$2.00	\$185,000.00
2	EXCAVATION FROM MASS GRADING AREA – PHASE II B FILL AREA SHOWN IN THE CONSTRUCTION PLANS, COMPLETE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS	CY	2000	\$1.00	\$2,000.00	\$1.50	\$3,000.00	\$2.00	\$4,000.00
3	EXCAVATION FROM MASS GRADING AREA-PHASE II FILL AREA SHOWN IN THE CONSTRUCTION PLANS, COMPLETE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS	CY	5000	\$1.00	\$5,000.00	\$1.50	\$7,500.00	\$2.00	\$10,000.00



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 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
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 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
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ITEM	DESCRIPTION	UNIT	QTY	4) SONORA CONSTRUCTION		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN BASIN (LAKE A) AREA AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	6000	\$2.00	\$12,000.00	\$1.29	\$7,740.00	\$1.00	\$6,000.00
5	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN MASS GRADING AREA – PHASE II B AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	81000	\$2.25	\$182,250.00	\$1.29	\$104,490.00	\$1.00	\$81,000.00
6	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN MASS GRADING AREA – PHASE II B PIPELINE RESERVE AREA AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	5500	\$2.00	\$11,000.00	\$1.29	\$7,095.00	\$1.00	\$5,500.00
7	SPREAD AND COMPACT EXCAVATION SPOILS FROM MASS GRADING WITHIN MASS GRADING AREA – PHASE II B FILL AREA SHOWN IN THE CONSTRUCTION PLANS, INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	2000	\$2.00	\$4,000.00	\$1.29	\$2,580.00	\$1.00	\$2,000.00
8	SPREAD AND COMPACT EXCAVATION SPOILS FROM MASS GRADING WITHIN MASS GRADING AREA-PHASE II FILL AREA SHOWN IN THE CONSTRUCTION PLANS, INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	5000	\$2.00	\$10,000.00	\$1.29	\$6,450.00	\$1.00	\$5,000.00
9	STORM SEWER UTILITY SPOIL TO BE USED FOR FILL IN PROPOSED MASS GRADING AREA - PHASE II FILL AREA, INCLUDES EXCAVATION, HAULING, PLACING AND COMPACTING TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8-INCH LIFTS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	CY	3500	\$3.00	\$10,500.00	\$4.50	\$15,750.00	\$4.00	\$14,000.00
10	STORM SEWER UTILITY SPOIL TO BE USED FOR FILL IN PROPOSED MASS GRADING AREA - PHASE II B FILL AREA, INCLUDES EXCAVATION, HAULING, PLACING AND COMPACTING TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8-INCH LIFTS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	CY	1500	\$3.00	\$4,500.00	\$4.50	\$6,750.00	\$4.00	\$6,000.00
11	5-INCH CONCRETE SLOPE PAVING WITH 2-FOOT MINIMUM TOE WALLS ALL AROUND, 2- FOOT CLAY LINER BELOW ALL SLOPE PAVING, (INCLUDING FILTER FABRIC, WEEP HOLES, TOE WALLS, RE-BAR, AND EXPANSION JOINTS), COMPLETE IN PLACE	SY	1515	\$138.00	\$209,070.00	\$174.90	\$264,973.50	\$99.00	\$149,985.00

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 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) SONORA CONSTRUCTION		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12	BACKSLOPE INTERCEPTOR STRUCTURE, PER THE BDD4 DETAIL IN THE CONSTRUCTION PLANS, MATERIAL TO BE R.C.P., INCLUDING ALL PIPES, SLOPE PAVING WITH REINFORCING STEEL AT INFLOW AND OUTFLOW, RIP RAP, NECESSARY ADAPTORS, JOINTS, AND FITTINGS, ETC., SPOILS TO BE HAULED, PLACED, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS IN FILL AREAS, TO BE APPROVED BY ENGINEER, COMPLETE IN PLACE	EA	10	\$20,000.00	\$200,000.00	\$16,431.00	\$164,310.00	\$14,000.00	\$140,000.00
13	BACKSLOPE INTERCEPTOR SWALES, INCLUDES EXCAVATION AND GRADING, AND PLACEMENT OF MATERIAL AS SHOWN ON CONSTRUCTION PLAN, COMPLETE IN PLACE	LF	5050	\$3.00	\$15,150.00	\$3.00	\$15,150.00	\$3.00	\$15,150.00
14	INSTALL, GRADE, AND COMPACT 2-FOOT-THICK CLAY LINER FOR BASIN (LAKE A), EXTENDING 2' ABOVE STATIC POOL ELEVATION, AS DIRECTED BY ENGINEER, CLAY MATERIAL TO BE OBTAINED WITHIN LIMITS OF BASIN (LAKE A), (FILLING IN MAXIMUM 8-INCH LIFTS UNTIL 2- FOOT-THICK MIN.), AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITIES CONSTRUCTED), COMPLETE IN PLACE	SY	25500	\$1.20	\$30,600.00	\$3.90	\$99,450.00	\$3.00	\$76,500.00
15	INSTALL, GRADE, AND COMPACT 2-FOOT-THICK CLAY LINER ALONG EXISTING SIDE SLOPE OF BCDD5 SWALE AND PROPOSED SIDE SLOPE OF GCWA SEEPAGE SWALE, AS SHOW IN THE CONSTRUCTION PLANS, (FILLING IN MAXIMUM 8-INCH LIFTS UNTIL 2-FOOT THICK MIN.), AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITIES CONSTRUCTED), AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	8500	\$1.20	\$10,200.00	\$3.90	\$33,150.00	\$3.00	\$25,500.00
16	WATERING CLAY LINER TO ENSURE THAT LINER MAINTAINS MOISTURE REQUIREMENTS AS DICTATED IN SPECS, INCLUDES WATERING TRUCK, TEMPORARY IRRIGATION SYSTEM, OR ANY MEANS NECESSARY TO KEEP CLAY MOIST, COMPLETE IN PLACE	DAY	10	\$600.00	\$6,000.00	\$1,200.00	\$12,000.00	\$1,000.00	\$10,000.00
17	SEEPAGE SWALE WITHIN GCWA PROPERTY AS SHOWN IN THE CONSTRUCTION PLANS, TO MAINTAIN POSITIVE DRAINAGE, 4:1 SIDE SLOPES, INCLUDING TIE- IN TO EXISTING RCP, COMPLETE IN PLACE	LF	2160	\$3.00	\$6,480.00	\$3.00	\$6,480.00	\$5.00	\$10,800.00
18	V-BOTTOM SWALES TO PROMOTE DRAINAGE WITH 4:1 S.S., ALONG PERIMETER OF FILL AREAS, COMPLETE IN PLACE	LF	4815	\$3.00	\$14,445.00	\$3.00	\$14,445.00	\$3.00	\$14,445.00
19	48-INCH RCP, ASTM C-76, CLASS III, ALL DEPTHS, (INCLUDING BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	40	\$272.00	\$10,880.00	\$259.71	\$10,388.40	\$250.00	\$10,000.00
20	54-INCH RCP, ASTM C-76, CLASS III, ALL DEPTHS, (INCLUDING BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	136	\$374.00	\$50,864.00	\$381.60	\$51,897.60	\$350.00	\$47,600.00
21	4' X 4'-REINFORCED CONCRETE STORM SEWER BOX, ALL DEPTHS, (INCLUDING RUBBER GASKET AT ALL JOINTS, BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	193	\$438.00	\$84,534.00	\$466.41	\$90,017.13	\$430.00	\$82,990.00
22	6' X 4'-REINFORCED CONCRETE STORM SEWER BOX, ALL DEPTHS, (INCLUDING RUBBER GASKET AT ALL JOINTS, BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	118	\$630.00	\$74,340.00	\$736.71	\$86,931.78	\$900.00	\$106,200.00
23	9' X 4'-REINFORCED CONCRETE STORM SEWER BOX, ALL DEPTHS, (INCLUDING RUBBER GASKET AT ALL JOINTS, BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	321	\$968.00	\$310,728.00	\$1,123.62	\$360,682.02	\$1,100.00	\$353,100.00
24	8' X 7'-REINFORCED CONCRETE STORM SEWER BOX CULVERT, ALL DEPTHS, (INCLUDING RUBBER GASKET AT ALL JOINTS, BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	945	\$1,041.00	\$983,745.00	\$1,176.60	\$1,111,887.00	\$1,100.00	\$1,039,500.00
25	STANDARD TYPE "C" MANHOLE (48" AND LARGER PIPE) WITH TYPE "E" INLET TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$5,650.00	\$5,650.00	\$12,720.00	\$12,720.00	\$6,000.00	\$6,000.00

**BID TABULATION FOR:**

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ITEM	DESCRIPTION	UNIT	QTY	4) SONORA CONSTRUCTION		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
26	STANDARD TYPE "C" ACCESS MANHOLE BUILT ON PROPOSED RCB, AS SHOWN IN CONSTRUCTION PLANS, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$2,995.00	\$17,970.00	\$5,301.00	\$31,806.00	\$3,000.00	\$18,000.00
27	STANDARD TYPE "C" ACCESS MANHOLE WITH TYPE "E" INLET TOP BUILT ON PROPOSED RCB, AS SHOWN IN CONSTRUCTION PLANS, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$6,500.00	\$13,000.00	\$6,360.00	\$12,720.00	\$9,000.00	\$18,000.00
28	R.C.B. CULVERT BEND OR COLLAR WITH TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	1	\$3,000.00	\$3,000.00	\$10,602.00	\$10,602.00	\$3,500.00	\$3,500.00
29	JUNCTION BOX STRUCTURE WITH TYPE "C" MANHOLE TOP, AS SHOWN IN CONSTRUCTION PLANS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$26,000.00	\$26,000.00	\$31,800.00	\$31,800.00	\$35,000.00	\$35,000.00
30	8-INCH BRICK WALL PLUG FOR END OF 48-INCH RCP, COMPLETE IN PLACE	EA	2	\$391.00	\$782.00	\$426.00	\$852.00	\$600.00	\$1,200.00
31	8-INCH BRICK WALL PLUG FOR END OF 54-INCH RCP, COMPLETE IN PLACE	EA	1	\$475.00	\$475.00	\$531.00	\$531.00	\$600.00	\$600.00
32	8-INCH BRICK WALL PLUG FOR END OF 4' X 4' RCB, COMPLETE IN PLACE	EA	1	\$615.00	\$615.00	\$531.00	\$531.00	\$600.00	\$600.00
33	8-INCH BRICK WALL PLUG FOR END OF 6' X 4' RCB, COMPLETE IN PLACE	EA	1	\$783.00	\$783.00	\$636.00	\$636.00	\$600.00	\$600.00
34	DEWATERING PER LF OF PIPE (NO SEPARATE PAY FOR DOUBLE ROW IF NEEDED), ALL DEPTHS, (THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE DISCRETION OF THE ENGINEERING/OWNER), WHEN AUTHORIZED BY OWNER, COMPLETE IN PLACE	LF	850	\$20.00	\$17,000.00	\$31.80	\$27,030.00	\$20.00	\$17,000.00
35	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	200	\$20.00	\$4,000.00	\$21.21	\$4,242.00	\$20.00	\$4,000.00
36	SOD FOR EROSION CONTROL AROUND BACKSLOPE DRAIN INTERCEPTOR STRUCTURES AND MISCELLANEOUS AREAS, TO BE USED AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	150	\$14.50	\$2,175.00	\$10.62	\$1,593.00	\$9.00	\$1,350.00
37	DEWATERING FOR GROUND WATER CONTROL, (INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT), COMPLETE IN PLACE	AC	7.9	\$600.00	\$4,740.00	\$3,690.00	\$29,151.00	\$5,000.00	\$39,500.00
38	ADDITIONAL PUMPING, AS NEEDED AND ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	DAY	5	\$960.00	\$4,800.00	\$900.00	\$4,500.00	\$600.00	\$3,000.00
39	DESIGN OF TRENCH EXCAVATION AND SHORING SAFETY PLAN, COMPLETE IN PLACE	LS	1	\$1,960.00	\$1,960.00	\$5,301.00	\$5,301.00	\$1,500.00	\$1,500.00
40	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1753	\$1.00	\$1,753.00	\$2.13	\$3,733.89	\$1.00	\$1,753.00
41	REMOVAL AND DISPOSAL OFFSITE OF EXISTING ASPHALT, BASE, AND SUBGRADE FOR CR 57, COMPLETE IN PLACE	SY	120	\$40.00	\$4,800.00	\$30.00	\$3,600.00	\$85.00	\$10,200.00
42	REMOVAL AND DISPOSAL OFFSITE OF TEMPORARY ASPHALTIC CONCRETE PAVEMENT, BASE, SUBGRADE, AND FILL MATERIAL, COMPLETE IN PLACE	SY	175	\$40.00	\$7,000.00	\$30.00	\$5,250.00	\$85.00	\$14,875.00
43	TEMPORARY ASPHALTIC CONCRETE PAVEMENT FOR CR 57, AS SHOWN IN THE CONSTRUCTION PLANS AND PER CITY OF IOWA COLONY SPECIFICATIONS AND DETAILS. TO INCLUDE FILL PLACEMENT, GRADING AND COMPACTION AS NECESSARY, 2-INCH HOT-MIX ASPHALTIC CONCRETE, 8-INCH CRUSHED LIMESTONE BASE, AND 8-INCH STABILIZED SUBGRADE, TEMPORARY STRIPING AND PAVEMENT MARKINGS, COMPLETE IN PLACE	SY	175	\$620.00	\$108,500.00	\$171.00	\$29,925.00	\$230.00	\$40,250.00

**BID TABULATION FOR:**

CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) SONORA CONSTRUCTION		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
44	REPLACEMENT OF ASPHALTIC CONCRETE PAVEMENT FOR CR 57 AS SHOWN IN THE CONSTRUCTION PLANS AND PER CITY OF IOWA COLONY SPECIFICATIONS AND DETAILS, TO INCLUDE 2-INCH HOT-MIX ASPHALTIC CONCRETE, 8-INCH CRUSHED LIMESTONE BASE, AND 8-INCH STABILIZED SUBGRADE, COMPLETE IN PLACE	SY	120	\$550.00	\$66,000.00	\$171.00	\$20,520.00	\$270.00	\$32,400.00
45	RESTORATION OF CR 57 ROW TO EXISTING CONDITIONS, TO INCLUDE RE-GRADING OF CR 57 ROAD-SIDE DITCH TO PROVIDE POSITIVE DRAINAGE AND SEEDING OF DISTURBED AREAS, COMPLETE IN PLACE	LS	1	\$7,500.00	\$7,500.00	\$15,690.00	\$15,690.00	\$15,000.00	\$15,000.00
46	PAVEMENT MARKINGS, STRIPING, AND TRAFFIC BUTTONS, COMPLETE IN PLACE	LS	1	\$4,400.00	\$4,400.00	\$12,690.00	\$12,690.00	\$6,000.00	\$6,000.00
47	TRAFFIC CONTROL, AS SHOWN IN CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00	\$9,690.00	\$9,690.00	\$40,000.00	\$40,000.00
<b>DETENTION AND DRAINAGE ITEMS FOR PHASE IIB SUBTOTAL:</b>					<b>\$2,673,689.00</b>		<b>\$2,896,981.32</b>		<b>\$2,710,598.00</b>
<b>MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS FOR PHASE IIB</b>									
1	INLET PROTECTION BARRIER, STAGE I, COMPLETE IN PLACE	EA	10	\$112.00	\$1,120.00	\$584.00	\$5,840.00	\$50.00	\$500.00
2	PIPELINE CROSSING TO INCLUDE TEMPORARY WOOD MATS PER ENERGY TRANSFER CROSSING GUIDELINES AND CROSSING AGREEMENT, INCLUDES COORDINATION WITH PIPELINE COMPANY, COMPLETE IN PLACE	EA	1	\$9,000.00	\$9,000.00	\$36,900.00	\$36,900.00	\$15,000.00	\$15,000.00
3	OVER EXCAVATION AND UNDERCUTTING OF UNSUITABLE MATERIAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$2.50	\$250.00	\$9.00	\$900.00	\$4.00	\$400.00
4	HYDRO-MULCH SEEDING OF DETENTION POND SIDE SLOPES AND MAINTENANCE BERMS, FINAL PAYMENT CONTINGENT AT LEAST 95% TURF ESTABLISHMENT REQUIRED, AS DIRECTED BY ENGINEER AND WHEN AUTHORIZED BY OWNER, COMPLETE IN PLACE	AC	8.1	\$2,500.00	\$20,250.00	\$2,757.00	\$22,331.70	\$1,100.00	\$8,910.00
5	METHOD "A" CONSTRUCTION STAKING FOR BASIN EXCAVATION AND MASS GRADED AREA AS PER GBI PARTNERS, L.P. (CONTACT JON BORDOVSKY AT 281.499.4539), COMPLETE IN PLACE	LS	1	\$6,800.00	\$6,800.00	\$7,209.00	\$7,209.00	\$6,800.00	\$6,800.00
6	AS-BUILT SURVEY OF LAKE A AND PHASE II AND PHASE IIB FILL AREAS (CONTACT JON BORDOVSKY AT 281.499.4539 TO PROVIDE CERTIFIED TOPOGRAPHIC SURVEY, GRID SPACING SHALL BE 200' MAXIMUM, INCLUDES 3D CAD FORMAT), COMPLETE IN PLACE	LS	1	\$4,600.00	\$4,600.00	\$4,878.00	\$4,878.00	\$4,600.00	\$4,600.00
7	ADDITIONAL CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	500	\$20.00	\$10,000.00	\$31.80	\$15,900.00	\$20.00	\$10,000.00
8	TEMPORARY COFFER DAM ALONG LOCATIONS WHERE INSTALLING CULVERTS (EXIST LAKE B), INCLUDES PUMPING, INSTALLATION AND REMOVEAL UPON COMPLETION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER/OWNER), COMPLETE IN PLACE	EA	1	\$6,000.00	\$6,000.00	\$18,000.00	\$18,000.00	\$10,000.00	\$10,000.00
9	REINFORCED FILTER DAM PER PLAN, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$16,962.00	\$16,962.00	\$5,000.00	\$5,000.00
10	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE WASHOUT, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$1,590.00	\$1,590.00	\$500.00	\$500.00
11	INSTALLATION, MAINTENANCE, AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, TO INCLUDE CULVERT CROSSING AS NECESSARY, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION AND REMOVAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$2,500.00	\$2,500.00	\$3,690.00	\$3,690.00	\$2,000.00	\$2,000.00
12	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	9150	\$2.00	\$18,300.00	\$3.48	\$31,842.00	\$1.25	\$11,437.50

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 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
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**BID OPENING DATE:**  
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**LJA JOB NO.**

ITEM	DESCRIPTION	UNIT	QTY	4) SONORA CONSTRUCTION		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
13	DEBRIS REMOVAL AS REQUIRED BY FIELD CONDITIONS, TO BE APPROPRIATELY DISPOSED OFFSITE AND TO INCLUDE TRAILER LOADS OR ROLL OFF BOXES OF APPROXIMATELY 40 CUBIC YARDS, AS DIRECTED BY ENGINEER AND WHEN AUTHORIZED BY OWNER, COMPLETE IN PLACE	EA	5	\$1,400.00	\$7,000.00	\$2,400.00	\$12,000.00	\$1,000.00	\$5,000.00
14	PERMIT FEE AS REQUIRED BY CITY OF IOWA COLONY, COMPLETE IN PLACE	LS	1	\$48,000.00	\$48,000.00	\$30,690.00	\$30,690.00	\$35,000.00	\$35,000.00
<b>MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS FOR PHASE IIB SUBTOTAL:</b>					<b>\$136,320.00</b>	<b>\$208,732.70</b>	<b>\$115,147.50</b>		
<b>ALTERNATE BID ITEMS NO. 1</b>									
1	ADDITIONAL COST TO ACHIEVE SUBSTANTIAL COMPLETION OF PRIORITY FILL AREA "A" WITHIN 15 DAYS AFTER GIVEN NOTICE TO PROCEED, INCLUDES EXCAVATION, UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, COMPLETE IN PLACE	LS	1	\$450,000.00	\$450,000.00	\$78,900.00	\$78,900.00	\$125,000.00	\$125,000.00
2	ADDITIONAL COST TO ACHIEVE SUBSTANTIAL COMPLETION OF PRIORITY FILL AREA "B" WITHIN 40 DAYS AFTER GIVEN NOTICE TO PROCEED, INCLUDES EXCAVATION, UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, COMPLETE IN PLACE	LS	1	\$900,000.00	\$900,000.00	\$78,900.00	\$78,900.00	\$125,000.00	\$125,000.00
3	ADDITIONAL COST TO ACHIEVE SUBSTANTIAL COMPLETION OF PRIORITY FILL AREA "C" WITHIN 65 DAYS AFTER GIVEN NOTICE TO PROCEED, INCLUDES EXCAVATION, UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, COMPLETE IN PLACE	LS	1	\$250,000.00	\$250,000.00	\$78,900.00	\$78,900.00	\$125,000.00	\$125,000.00
<b>ALTERNATE BID ITEMS NO. 1 SUBTOTAL:</b>					<b>\$1,600,000.00</b>	<b>\$236,700.00</b>	<b>\$375,000.00</b>		
<b>ALTERNATE BID ITEMS NO. 2</b>									
1	IN LIEU OF DETENTION AND DRAINAGE ITEMS FOR PHASE IIB BID ITEMS 41-47, ADDITIONAL COST TO INSTALL TRIPLE 8" X 7" RCB UTILIZING TRENCHLESS CONSTRUCTION METHODS UNDER EXISTING CR 57 (EXCLUDING RCB), COMPLETE IN PLACE	LF	150	\$1,275.00	\$191,250.00	\$6,360.00	\$954,000.00	\$3,500.00	\$525,000.00
<b>ALTERNATE BID ITEMS NO. 2 SUBTOTAL:</b>					<b>\$191,250.00</b>	<b>\$954,000.00</b>	<b>\$525,000.00</b>		
<b>ALTERNATE BID ITEMS NO. 3</b>									
1	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF LAKE D-3, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DRAINAGE ITEM NO. 1, COMPLETE IN PLACE	CY	295800	\$27.00	\$7,986,600.00	\$27.69	\$8,190,702.00	\$19.00	\$5,620,200.00
2	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF LAKE E, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DRAINAGE ITEM NO. 2, COMPLETE IN PLACE	CY	177700	\$27.00	\$4,797,900.00	\$27.69	\$4,920,513.00	\$19.00	\$3,376,300.00
3	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF LAKE A, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DRAINAGE ITEM FOR PHASE IIB NO. 1, COMPLETE IN PLACE	CY	92500	\$27.00	\$2,497,500.00	\$27.69	\$2,561,325.00	\$19.00	\$1,757,500.00

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 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
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**BID OPENING DATE:**  
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ITEM	DESCRIPTION	UNIT	QTY	4) SONORA CONSTRUCTION		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF PHASE II B MASS GRADING AREA, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DETENTION & DRAINAGE ITEM FOR PHASE IIB NO. 2, COMPLETE IN PLACE	CY	2000	\$27.00	\$54,000.00	\$27.69	\$55,380.00	\$19.00	\$38,000.00
5	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF PHASE II MASS GRADING AREA, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DETENTION & DRAINAGE ITEM FOR PHASE IIB NO. 3, COMPLETE IN PLACE	CY	5000	\$27.00	\$135,000.00	\$27.69	\$138,450.00	\$19.00	\$95,000.00
<b>ALTERNATE BID ITEMS NO. 3 SUBTOTAL:</b>					<b>\$15,471,000.00</b>		<b>\$15,866,370.00</b>		<b>\$10,887,000.00</b>
<b><u>BIDDING SUMMARY</u></b>									
SUBTOTAL DETENTION AND DRAINAGE ITEMS					\$4,209,264.50		\$3,851,422.08		\$4,512,038.00
SUBTOTAL MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS					\$342,890.00		\$512,575.80		\$360,007.50
SUBTOTAL DETENTION AND DRAINAGE ITEMS FOR PHASE IIB					\$2,673,689.00		\$2,896,981.32		\$2,710,598.00
SUBTOTAL MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS FOR PHASE IIB					\$136,320.00		\$208,732.70		\$115,147.50
<b>TOTAL AMOUNT BASE BID</b>					<b>\$7,362,163.50</b>		<b>\$7,469,711.90</b>		<b>\$7,697,791.00</b>
<b><u>ALTERNATE BID ITEMS NO. 1</u></b>									
TOTAL AMOUNT BASE BID					\$7,362,163.50		\$7,469,711.90		\$7,697,791.00
SUBTOTAL ALTERNATE BID ITEMS NO. 1					\$1,600,000.00		\$236,700.00		\$375,000.00
<b>TOTAL AMOUNT INCLUDING ALTERNATE BID ITEMS NO. 1</b>					<b>\$8,962,163.50</b>		<b>\$7,706,411.90</b>		<b>\$8,072,791.00</b>
<b><u>ALTERNATE BID ITEMS NO. 2</u></b>									
TOTAL AMOUNT BASE BID					\$7,362,163.50		\$7,469,711.90		\$7,697,791.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.41					-\$4,800.00		-\$3,600.00		-\$10,200.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.42					-\$7,000.00		-\$5,250.00		-\$14,875.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.43					-\$108,500.00		-\$29,925.00		-\$40,250.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.44					-\$66,000.00		-\$20,520.00		-\$32,400.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.45					-\$7,500.00		-\$15,690.00		-\$15,000.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.46					-\$4,400.00		-\$12,690.00		-\$6,000.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.47					-\$30,000.00		-\$9,690.00		-\$40,000.00
SUBTOTAL ALTERNATE BID ITEMS NO. 2					\$191,250.00		\$954,000.00		\$525,000.00
<b>TOTAL AMOUNT INCLUDING ALTERNATE BID ITEMS NO. 2</b>					<b>\$7,325,213.50</b>		<b>\$8,326,346.90</b>		<b>\$8,064,066.00</b>
<b><u>ALTERNATE BID ITEMS NO. 3</u></b>									
TOTAL AMOUNT BASE BID					\$7,362,163.50		\$7,469,711.90		\$7,697,791.00
DEDUCT DETENTION AND DRAINAGE ITEMS ITEM NO.1					-\$295,800.00		-\$443,700.00		-\$739,500.00
DEDUCT DETENTION AND DRAINAGE ITEMS ITEM NO.2					-\$177,700.00		-\$266,550.00		-\$444,250.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.1					-\$92,500.00		-\$138,750.00		-\$185,000.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.2					-\$2,000.00		-\$3,000.00		-\$4,000.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.3					-\$5,000.00		-\$7,500.00		-\$10,000.00

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ITEM	DESCRIPTION	UNIT	QTY	4) SONORA CONSTRUCTION		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
SUBTOTAL ALTERNATE BID ITEMS NO. 3					\$15,471,000.00		\$15,866,370.00		\$10,887,000.00
<b>TOTAL AMOUNT INCLUDING ALTERNATE BID ITEMS NO. 3</b>					<b>\$22,260,163.50</b>		<b>\$22,476,581.90</b>		<b>\$17,202,041.00</b>

LJA Engineering, Inc.

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CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
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ITEM	DESCRIPTION	UNIT	QTY	7) DC CONTRACTING SERVICES, LLC		8) RT ELLIS INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>DETENTION AND DRAINAGE ITEMS</b>							
1	EXCAVATION OF LAKE D-3, INCLUDING UNIFORM SHAPING OF EXCAVATED SIDE SLOPES TO LINES AND GRADES SHOWN ON THE PLANS, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	295800	\$1.35	\$399,330.00	\$2.25	\$665,550.00
2	EXCAVATION OF LAKE E, INCLUDING UNIFORM SHAPING OF EXCAVATED SIDE SLOPES TO LINES AND GRADES SHOWN ON THE PLANS, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	177700	\$1.35	\$239,895.00	\$2.25	\$399,825.00
3	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN PRIORITY FILL AREA "A" AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	55530	\$3.60	\$199,908.00	\$4.00	\$222,120.00
4	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN PRIORITY FILL AREA "B" AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	113490	\$2.50	\$283,725.00	\$4.00	\$453,960.00
5	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN PRIORITY FILL AREA "C" AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	78800	\$5.80	\$457,040.00	\$4.00	\$315,200.00
6	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL AT FUTURE BULLARD ROAD LOCATION AS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	18220	\$1.45	\$26,419.00	\$4.00	\$72,880.00
7	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL AT GUN RANGE LOCATION AS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	10000	\$4.75	\$47,500.00	\$4.00	\$40,000.00
8	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL AT EAST PROPERTY LOCATION AS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	20000	\$3.15	\$63,000.00	\$4.00	\$80,000.00



**BID TABULATION FOR:**

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**LJA JOB NO.**

CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	7) DC CONTRACTING SERVICES, LLC		8) RT ELLIS INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL SOUTH OF C.R. 57 LOCATION AS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	173700	\$6.35	\$1,102,995.00	\$4.00	\$694,800.00
10	OVER EXCAVATION OF MATERIAL UNSUITABLE FOR CLAY LINING FOR LAKE D-3, TO BE USED FOR PROPOSED FILL, PLACING, COMPACTING TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITIES CONSTRUCTED), AS DIRECTED BY THE GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	CY	37900	\$1.00	\$37,900.00	\$3.50	\$132,650.00
11	OVER EXCAVATION OF MATERIAL UNSUITABLE FOR CLAY LINING FOR LAKE E, TO BE USED FOR PROPOSED FILL, PLACING, COMPACTING TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITIES CONSTRUCTED), AS DIRECTED BY THE GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	CY	25700	\$1.00	\$25,700.00	\$3.50	\$89,950.00
12	CLAY FILL FOR LAKE D-3 LINER, MATERIAL TO BE OBTAINED WITHIN LIMITS OF LAKE BOTTOM, (FILLING IN A MAXIMUM 8" LIFTS UNTIL 2' THICK (MIN.), AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITY CONSTRUCTED), AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	56800	\$2.00	\$113,600.00	\$3.00	\$170,400.00
13	CLAY FILL FOR LAKE E LINER, MATERIAL TO BE OBTAINED WITHIN LIMITS OF LAKE BOTTOM, (FILLING IN A MAXIMUM 8" LIFTS UNTIL 2' THICK (MIN.), AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITY CONSTRUCTED), AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	38480	\$2.00	\$76,960.00	\$3.50	\$134,680.00
14	WATERING CLAY LINER TO ENSURE THAT LINER MAINTAINS MOISTURE REQUIREMENTS AS DICTATED IN SPECS, INCLUDES WATERING TRUCK, TEMPORARY IRRIGATION SYSTEM, OR ANY MEANS NECESSARY TO KEEP CLAY MOIST, COMPLETE IN PLACE	DAY	10	\$350.00	\$3,500.00	\$2,500.00	\$25,000.00
15	CLEARING AND GRUBBING, OF PROPOSED FILL AREAS - MATERIAL TO BE HAULED OFFSITE (INCLUDES REMOVAL OF TREES, ROOT RAKING, BACK DRAGGING, AND TRANSPORTING), TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	52.9	\$9,060.00	\$479,274.00	\$7,500.00	\$396,750.00
16	8'X7' PRECAST REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES RUBBER GASKETS AT ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	862	\$995.00	\$857,690.00	\$1,065.25	\$918,245.50
17	5" CONCRETE SLOPE PAVING WITH 2' MINIMUM TOE WALLS ALL AROUND, 2' CLAY LINER BELOW ALL SLOPE PAVING, AND EXPANSION JOINTS, COMPLETE IN PLACE	SY	425	\$118.00	\$50,150.00	\$135.00	\$57,375.00
18	TYPE "C" MANHOLE TOP ON PROPOSED RCB, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$2,860.00	\$8,580.00	\$3,052.27	\$9,156.81
19	STORM SEWER UTILITY SPOIL TO BE USED FOR FILL IN PROPOSED FILL AREAS, INCLUDES EXCAVATION, HAULING, PLACING AND COMPACTION TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	3740	\$3.50	\$13,090.00	\$3.00	\$11,220.00

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CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
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 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	7) DC CONTRACTING SERVICES, LLC		8) RT ELLIS INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
20	BACKSLOPE DRAIN INTERCEPTOR STRUCTURES, PER THE BDD4 DETAIL IN THE CONSTRUCTION PLANS, MATERIAL TO BE R.C.P., INCLUDING ALL PIPES, SLOPE PAVING WITH REINFORCING STEEL AT INFLOW AND OUTFLOW, RIP RAP, NECESSARY ADAPTORS, JOINTS AND FITTINGS, ETC., SPOILS TO BE HAULED, PLACED, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS IN FILL AREAS, TO BE APPROVED BY ENGINEER, COMPLETE IN PLACE	EA	8	\$18,350.00	\$146,800.00	\$123,308.92	\$986,471.36
21	INTERCEPTOR SWALES, INCLUDES EXCAVATION AND GRADING, AND PLACEMENT OF MATERIAL AS PER PLANS, COMPLETE IN PLACE	LF	5061	\$3.00	\$15,183.00	\$5.00	\$25,305.00
22	V-BOTTOM SWALES TO PROMOTE DRAINAGE WITH 4:1 S.S., LOCATED INSIDE PROPOSED PHASE 2 FILL AREA, COMPLETE IN PLACE	LF	4751	\$3.00	\$14,253.00	\$5.00	\$23,755.00
23	SOD FOR EROSION CONTROL AROUND BACKSLOPE DRAIN INTERCEPTOR STRUCTURES AND MISCELLANEOUS AREAS, TO BE USED AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	120	\$6.00	\$720.00	\$12.00	\$1,440.00
24	DEWATERING PER LF OF PIPE (NO SEPARATE PAY FOR DOUBLE ROW IF NEEDED), (ALL DEPTHS, THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	862	\$20.00	\$17,240.00	\$50.00	\$43,100.00
25	DEWATERING FOR GROUND WATER CONTROL, (INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT), COMPLETE IN PLACE	AC	15	\$4,300.00	\$64,500.00	\$7,500.00	\$112,500.00
26	ADDITIONAL PUMPING, AS NEEDED AND ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	DAY	15	\$325.00	\$4,875.00	\$3,500.00	\$52,500.00
27	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	862	\$1.00	\$862.00	\$2.00	\$1,724.00
<b>DETENTION AND DRAINAGE ITEMS SUBTOTAL:</b>					<b>\$4,750,689.00</b>	<b>\$6,136,557.67</b>	
<b>MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS</b>							
1	METHOD "A" CONSTRUCTION STAKING AS PER GBI PARTNERS, L.P. (CONTACT JON BORDOVSKY AT 281.499.4539), COMPLETE IN PLACE	LS	1	\$14,500.00	\$14,500.00	\$14,500.00	\$14,500.00
2	AS-BUILT SURVEY OF ALL LAKES AND FILL AREAS (CONTACT JON BORDOVSKY AT 281.499.4539 TO PROVIDE CERTIFIED TOPOGRAPHIC SURVEY, GRID SPACING SHALL BE 200' MAXIMUM, INCLUDES 3D CAD FORMAT), COMPLETE IN PLACE	LS	1	\$7,200.00	\$7,200.00	\$7,200.00	\$7,200.00
3	CITY OF IOWA COLONY OVERWEIGHT VEHICLE PERMIT, COMPLETE IN PLACE	LS	1	\$10,370.00	\$10,370.00	\$15,000.00	\$15,000.00
4	STEEL PLATES COVERING BOTH LANES OF TRAFFIC ALONG CEDAR RAPIDS PARKWAY, PAVEMENT REPLACEMENT AND RESTORATION AS NEEDED, COMPLETE IN PLACE	LS	1	\$15,848.50	\$15,848.50	\$25,000.00	\$25,000.00
5	TEMPORARY TRAFFIC CONTROL ALONG CEDAR RAPIDS PARKWAY TO MAINTAIN FLOW OF TRAFFIC THROUGHOUT DURATION OF CONSTRUCTION, INCLUDES SIGNAGE AND FLAGMEN, AS NECESSARY, COMPLETE IN PLACE	LS	1	\$43,680.00	\$43,680.00	\$12,500.00	\$12,500.00
6	ADDITIONAL CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	500	\$20.00	\$10,000.00	\$27.00	\$13,500.00
7	TEMPORARY COFFER DAM ALONG LOCATIONS WHERE INSTALLING CULVERTS AND/OR ESTABLISHING POND HIGH BANK, INCLUDES PUMPING, INSTALLATION AND REMOVAL UPON COMPLETION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$3,450.00	\$3,450.00	\$10,000.00	\$10,000.00

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 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
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ITEM	DESCRIPTION	UNIT	QTY	7) DC CONTRACTING SERVICES, LLC		8) RT ELLIS INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	400	\$20.00	\$8,000.00	\$22.00	\$8,800.00
9	MISCELLANEOUS SWALES TO PROMOTE POSITIVE DRAINAGE, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$4.00	\$2,000.00	\$4.00	\$2,000.00
10	HYDRO-MULCH SEEDING OF LAKES, CHANNELS, MAINTENANCE BERMS, AND SIDE SLOPES, AT LEAST 95% TURF ESTABLISHMENT REQUIRED, COMPLETE IN PLACE	AC	10.1	\$1,750.00	\$17,675.00	\$2,500.00	\$25,250.00
11	BROADCAST SEEDING OF FILL AREA, AT LEAST 80% TURF ESTABLISHMENT REQUIRED, COMPLETE IN PLACE	AC	56.9	\$100.00	\$5,690.00	\$1,000.00	\$56,900.00
12	STORMWATER POLLUTION PREVENTION PLAN, COMPLETE IN PLACE	LS	1	\$28,500.00	\$28,500.00	\$3,500.00	\$3,500.00
13	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE WASHOUT, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$1,500.00	\$1,500.00
14	INSTALLATION, MAINTENANCE, AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION AND REMOVAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	2	\$3,600.00	\$7,200.00	\$3,500.00	\$7,000.00
15	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	19550	\$1.35	\$26,392.50	\$3.00	\$58,650.00
16	PIPELINE CROSSINGS, PER DOW PIPELINE TO INCLUDE MATS, AS NEEDED AND DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	1	\$13,101.00	\$13,101.00	\$15,000.00	\$15,000.00
17	PIPELINE CROSSINGS, PER ENERGY TRANSFER PIPELINE TO INCLUDE MATS, AS NEEDED AND DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	1	\$8,750.00	\$8,750.00	\$15,000.00	\$15,000.00
18	OVER EXCAVATION AND UNDERCUTTING OF UNSUITABLE MATERIAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	15000	\$3.00	\$45,000.00	\$4.00	\$60,000.00
19	ADDITIONAL CLEARING AND GRUBBING, MATERIAL TO BE HAULED OFFSITE (INCLUDES REMOVAL OF TREES, ROOT RAKING, BACK DRAGGING, AND TRANSPORTING), TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	AC	5	\$6,850.00	\$34,250.00	\$7,000.00	\$35,000.00
20	PERMIT FEE AS REQUIRED BY CITY OF IOWA COLONY, COMPLETE IN PLACE	LS	1	\$44,763.00	\$44,763.00	\$75,000.00	\$75,000.00
<b>MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS SUBTOTAL:</b>					<b>\$346,870.00</b>	<b>\$461,300.00</b>	
<b>DETENTION AND DRAINAGE ITEMS FOR PHASE IIB</b>							
1	EXCAVATION OF LAKE A, INCLUDING UNIFORM SHAPING OF EXCAVATED SIDE SLOPES TO LINES AND GRADES SHOWN ON THE PLANS, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	92500	\$1.35	\$124,875.00	\$2.25	\$208,125.00
2	EXCAVATION FROM MASS GRADING AREA – PHASE II B FILL AREA SHOWN IN THE CONSTRUCTION PLANS, COMPLETE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS	CY	2000	\$1.65	\$3,300.00	\$2.25	\$4,500.00
3	EXCAVATION FROM MASS GRADING AREA-PHASE II FILL AREA SHOWN IN THE CONSTRUCTION PLANS, COMPLETE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS	CY	5000	\$1.65	\$8,250.00	\$2.25	\$11,250.00

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 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
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 LJA ENGINEERING, INC.  
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 1931-8109 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	7) DC CONTRACTING SERVICES, LLC		8) RT ELLIS INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN BASIN (LAKE A) AREA AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	6000	\$1.10	\$6,600.00	\$2.50	\$15,000.00
5	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN MASS GRADING AREA – PHASE II B AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	81000	\$2.20	\$178,200.00	\$2.50	\$202,500.00
6	SPREAD AND COMPACT DETENTION EXCAVATION MATERIAL WITHIN MASS GRADING AREA – PHASE II B PIPELINE RESERVE AREA AT LOCATIONS DESIGNATED ON THE GRADING PLAN AND AS DIRECTED BY ENGINEER. INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	5500	\$2.00	\$11,000.00	\$2.50	\$13,750.00
7	SPREAD AND COMPACT EXCAVATION SPOILS FROM MASS GRADING WITHIN MASS GRADING AREA – PHASE II B FILL AREA SHOWN IN THE CONSTRUCTION PLANS, INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	2000	\$2.20	\$4,400.00	\$2.50	\$5,000.00
8	SPREAD AND COMPACT EXCAVATION SPOILS FROM MASS GRADING WITHIN MASS GRADING AREA-PHASE II FILL AREA SHOWN IN THE CONSTRUCTION PLANS, INCLUDES PROOF ROLLING OF FILL AREAS, DEMUCKING, INTERIM DRAINAGE (INCLUDING CUTTING SWALES TO PROVIDE POSITIVE INTERIM DRAINAGE), HAULING, STRIPPING, AND UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, ALL AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	5000	\$2.20	\$11,000.00	\$2.50	\$12,500.00
9	STORM SEWER UTILITY SPOIL TO BE USED FOR FILL IN PROPOSED MASS GRADING AREA - PHASE II FILL AREA, INCLUDES EXCAVATION, HAULING, PLACING AND COMPACTING TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8-INCH LIFTS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	CY	3500	\$2.20	\$7,700.00	\$5.00	\$17,500.00
10	STORM SEWER UTILITY SPOIL TO BE USED FOR FILL IN PROPOSED MASS GRADING AREA - PHASE II B FILL AREA, INCLUDES EXCAVATION, HAULING, PLACING AND COMPACTING TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8-INCH LIFTS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	CY	1500	\$2.20	\$3,300.00	\$5.00	\$7,500.00
11	5-INCH CONCRETE SLOPE PAVING WITH 2-FOOT MINIMUM TOE WALLS ALL AROUND, 2- FOOT CLAY LINER BELOW ALL SLOPE PAVING, (INCLUDING FILTER FABRIC, WEEP HOLES, TOE WALLS, RE-BAR, AND EXPANSION JOINTS), COMPLETE IN PLACE	SY	1515	\$118.00	\$178,770.00	\$150.00	\$227,250.00

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 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
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ITEM	DESCRIPTION	UNIT	QTY	7) DC CONTRACTING SERVICES, LLC		8) RT ELLIS INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12	BACKSLOPE INTERCEPTOR STRUCTURE, PER THE BDD4 DETAIL IN THE CONSTRUCTION PLANS, MATERIAL TO BE R.C.P., INCLUDING ALL PIPES, SLOPE PAVING WITH REINFORCING STEEL AT INFLOW AND OUTFLOW, RIP RAP, NECESSARY ADAPTORS, JOINTS, AND FITTINGS, ETC., SPOILS TO BE HAULED, PLACED, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS IN FILL AREAS, TO BE APPROVED BY ENGINEER, COMPLETE IN PLACE	EA	10	\$20,260.00	\$202,600.00	\$15,000.00	\$150,000.00
13	BACKSLOPE INTERCEPTOR SWALES, INCLUDES EXCAVATION AND GRADING, AND PLACEMENT OF MATERIAL AS SHOWN ON CONSTRUCTION PLAN, COMPLETE IN PLACE	LF	5050	\$1.00	\$5,050.00	\$5.00	\$25,250.00
14	INSTALL, GRADE, AND COMPACT 2-FOOT-THICK CLAY LINER FOR BASIN (LAKE A), EXTENDING 2' ABOVE STATIC POOL ELEVATION, AS DIRECTED BY ENGINEER, CLAY MATERIAL TO BE OBTAINED WITHIN LIMITS OF BASIN (LAKE A), (FILLING IN MAXIMUM 8-INCH LIFTS UNTIL 2- FOOT-THICK MIN.), AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITIES CONSTRUCTED), COMPLETE IN PLACE	SY	25500	\$2.00	\$51,000.00	\$3.50	\$89,250.00
15	INSTALL, GRADE, AND COMPACT 2-FOOT-THICK CLAY LINER ALONG EXISTING SIDE SLOPE OF BCDD5 SWALE AND PROPOSED SIDE SLOPE OF GCWA SEEPAGE SWALE, AS SHOW IN THE CONSTRUCTION PLANS, (FILLING IN MAXIMUM 8-INCH LIFTS UNTIL 2-FOOT THICK MIN.), AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, (CONTRACTOR WILL ONLY BE PAID EXACT QUANTITIES CONSTRUCTED), AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	8500	\$2.00	\$17,000.00	\$3.50	\$29,750.00
16	WATERING CLAY LINER TO ENSURE THAT LINER MAINTAINS MOISTURE REQUIREMENTS AS DICTATED IN SPECS, INCLUDES WATERING TRUCK, TEMPORARY IRRIGATION SYSTEM, OR ANY MEANS NECESSARY TO KEEP CLAY MOIST, COMPLETE IN PLACE	DAY	10	\$350.00	\$3,500.00	\$2,500.00	\$25,000.00
17	SEEPAGE SWALE WITHIN GCWA PROPERTY AS SHOWN IN THE CONSTRUCTION PLANS, TO MAINTAIN POSITIVE DRAINAGE, 4:1 SIDE SLOPES, INCLUDING TIE- IN TO EXISTING RCP, COMPLETE IN PLACE	LF	2160	\$5.00	\$10,800.00	\$3.00	\$6,480.00
18	V-BOTTOM SWALES TO PROMOTE DRAINAGE WITH 4:1 S.S., ALONG PERIMETER OF FILL AREAS, COMPLETE IN PLACE	LF	4815	\$2.00	\$9,630.00	\$3.00	\$14,445.00
19	48-INCH RCP, ASTM C-76, CLASS III, ALL DEPTHS, (INCLUDING BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	40	\$264.00	\$10,560.00	\$282.46	\$11,298.40
20	54-INCH RCP, ASTM C-76, CLASS III, ALL DEPTHS, (INCLUDING BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	136	\$362.00	\$49,232.00	\$388.54	\$52,841.44
21	4' X 4'-REINFORCED CONCRETE STORM SEWER BOX, ALL DEPTHS, (INCLUDING RUBBER GASKET AT ALL JOINTS, BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	193	\$424.00	\$81,832.00	\$455.31	\$87,874.83
22	6' X 4'-REINFORCED CONCRETE STORM SEWER BOX, ALL DEPTHS, (INCLUDING RUBBER GASKET AT ALL JOINTS, BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	118	\$607.00	\$71,626.00	\$653.31	\$77,090.58
23	9' X 4'-REINFORCED CONCRETE STORM SEWER BOX, ALL DEPTHS, (INCLUDING RUBBER GASKET AT ALL JOINTS, BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	321	\$935.00	\$300,135.00	\$1,005.46	\$322,752.66
24	8' X 7'-REINFORCED CONCRETE STORM SEWER BOX CULVERT, ALL DEPTHS, (INCLUDING RUBBER GASKET AT ALL JOINTS, BEDDING AND BACKFILL), COMPLETE IN PLACE	LF	945	\$1,005.00	\$949,725.00	\$1,081.50	\$1,022,017.50
25	STANDARD TYPE "C" MANHOLE (48" AND LARGER PIPE) WITH TYPE "E" INLET TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$5,437.00	\$5,437.00	\$5,867.69	\$5,867.69

**BID TABULATION FOR:**

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

CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	7) DC CONTRACTING SERVICES, LLC		8) RT ELLIS INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
26	STANDARD TYPE "C" ACCESS MANHOLE BUILT ON PROPOSED RCB, AS SHOWN IN CONSTRUCTION PLANS, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$2,890.00	\$17,340.00	\$3,110.32	\$18,661.92
27	STANDARD TYPE "C" ACCESS MANHOLE WITH TYPE "E" INLET TOP BUILT ON PROPOSED RCB, AS SHOWN IN CONSTRUCTION PLANS, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$6,250.00	\$12,500.00	\$6,738.44	\$13,476.88
28	R.C.B. CULVERT BEND OR COLLAR WITH TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	1	\$2,890.00	\$2,890.00	\$3,110.32	\$3,110.32
29	JUNCTION BOX STRUCTURE WITH TYPE "C" MANHOLE TOP, AS SHOWN IN CONSTRUCTION PLANS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$24,990.00	\$24,990.00	\$26,950.00	\$26,950.00
30	8-INCH BRICK WALL PLUG FOR END OF 48-INCH RCP, COMPLETE IN PLACE	EA	2	\$380.00	\$760.00	\$406.35	\$812.70
31	8-INCH BRICK WALL PLUG FOR END OF 54-INCH RCP, COMPLETE IN PLACE	EA	1	\$460.00	\$460.00	\$493.43	\$493.43
32	8-INCH BRICK WALL PLUG FOR END OF 4' X 4' RCB, COMPLETE IN PLACE	EA	1	\$599.00	\$599.00	\$638.55	\$638.55
33	8-INCH BRICK WALL PLUG FOR END OF 6' X 4' RCB, COMPLETE IN PLACE	EA	1	\$760.00	\$760.00	\$812.70	\$812.70
34	DEWATERING PER LF OF PIPE (NO SEPARATE PAY FOR DOUBLE ROW IF NEEDED), ALL DEPTHS, (THIS IS AN ESTIMATED QUANTITY TO BE USED ONLY AT THE DISCRETION OF THE ENGINEERING/OWNER), WHEN AUTHORIZED BY OWNER, COMPLETE IN PLACE	LF	850	\$20.00	\$17,000.00	\$20.00	\$17,000.00
35	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	200	\$20.00	\$4,000.00	\$20.00	\$4,000.00
36	SOD FOR EROSION CONTROL AROUND BACKSLOPE DRAIN INTERCEPTOR STRUCTURES AND MISCELLANEOUS AREAS, TO BE USED AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	SY	150	\$6.00	\$900.00	\$8.00	\$1,200.00
37	DEWATERING FOR GROUND WATER CONTROL, (INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT), COMPLETE IN PLACE	AC	7.9	\$6,005.00	\$47,439.50	\$8,500.00	\$67,150.00
38	ADDITIONAL PUMPING, AS NEEDED AND ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	DAY	5	\$325.00	\$1,625.00	\$3,000.00	\$15,000.00
39	DESIGN OF TRENCH EXCAVATION AND SHORING SAFETY PLAN, COMPLETE IN PLACE	LS	1	\$2,055.00	\$2,055.00	\$3,000.00	\$3,000.00
40	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1753	\$1.00	\$1,753.00	\$2.00	\$3,506.00
41	REMOVAL AND DISPOSAL OFFSITE OF EXISTING ASPHALT, BASE, AND SUBGRADE FOR CR 57, COMPLETE IN PLACE	SY	120	\$39.00	\$4,680.00	\$35.00	\$4,200.00
42	REMOVAL AND DISPOSAL OFFSITE OF TEMPORARY ASPHALTIC CONCRETE PAVEMENT, BASE, SUBGRADE, AND FILL MATERIAL, COMPLETE IN PLACE	SY	175	\$39.00	\$6,825.00	\$35.00	\$6,125.00
43	TEMPORARY ASPHALTIC CONCRETE PAVEMENT FOR CR 57, AS SHOWN IN THE CONSTRUCTION PLANS AND PER CITY OF IOWA COLONY SPECIFICATIONS AND DETAILS. TO INCLUDE FILL PLACEMENT, GRADING AND COMPACTION AS NECESSARY, 2-INCH HOT-MIX ASPHALTIC CONCRETE, 8-INCH CRUSHED LIMESTONE BASE, AND 8-INCH STABILIZED SUBGRADE, TEMPORARY STRIPING AND PAVEMENT MARKINGS, COMPLETE IN PLACE	SY	175	\$575.00	\$100,625.00	\$590.00	\$103,250.00

**BID TABULATION FOR:**

CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	7) DC CONTRACTING SERVICES, LLC		8) RT ELLIS INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
44	REPLACEMENT OF ASPHALTIC CONCRETE PAVEMENT FOR CR 57 AS SHOWN IN THE CONSTRUCTION PLANS AND PER CITY OF IOWA COLONY SPECIFICATIONS AND DETAILS, TO INCLUDE 2-INCH HOT-MIX ASPHALTIC CONCRETE, 8-INCH CRUSHED LIMESTONE BASE, AND 8-INCH STABILIZED SUBGRADE, COMPLETE IN PLACE	SY	120	\$550.00	\$66,000.00	\$525.00	\$63,000.00
45	RESTORATION OF CR 57 ROW TO EXISTING CONDITIONS, TO INCLUDE RE-GRADING OF CR 57 ROAD-SIDE DITCH TO PROVIDE POSITIVE DRAINAGE AND SEEDING OF DISTURBED AREAS, COMPLETE IN PLACE	LS	1	\$9,500.00	\$9,500.00	\$7,000.00	\$7,000.00
46	PAVEMENT MARKINGS, STRIPING, AND TRAFFIC BUTTONS, COMPLETE IN PLACE	LS	1	\$3,550.00	\$3,550.00	\$4,200.00	\$4,200.00
47	TRAFFIC CONTROL, AS SHOWN IN CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$21,500.00	\$21,500.00	\$28,000.00	\$28,000.00
<b>DETENTION AND DRAINAGE ITEMS FOR PHASE IIB SUBTOTAL:</b>					<b>\$2,653,273.50</b>	<b>\$3,036,380.60</b>	
<b>MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS FOR PHASE IIB</b>							
1	INLET PROTECTION BARRIER, STAGE I, COMPLETE IN PLACE	EA	10	\$100.00	\$1,000.00	\$116.10	\$1,161.00
2	PIPELINE CROSSING TO INCLUDE TEMPORARY WOOD MATS PER ENERGY TRANSFER CROSSING GUIDELINES AND CROSSING AGREEMENT, INCLUDES COORDINATION WITH PIPELINE COMPANY, COMPLETE IN PLACE	EA	1	\$12,555.00	\$12,555.00	\$10,000.00	\$10,000.00
3	OVER EXCAVATION AND UNDERCUTTING OF UNSUITABLE MATERIAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$5.50	\$550.00	\$10.00	\$1,000.00
4	HYDRO-MULCH SEEDING OF DETENTION POND SIDE SLOPES AND MAINTENANCE BERMS, FINAL PAYMENT CONTINGENT AT LEAST 95% TURF ESTABLISHMENT REQUIRED, AS DIRECTED BY ENGINEER AND WHEN AUTHORIZED BY OWNER, COMPLETE IN PLACE	AC	8.1	\$2,000.00	\$16,200.00	\$2,500.00	\$20,250.00
5	METHOD "A" CONSTRUCTION STAKING FOR BASIN EXCAVATION AND MASS GRADED AREA AS PER GBI PARTNERS, L.P. (CONTACT JON BORDOVSKY AT 281.499.4539), COMPLETE IN PLACE	LS	1	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00
6	AS-BUILT SURVEY OF LAKE A AND PHASE II AND PHASE IIB FILL AREAS (CONTACT JON BORDOVSKY AT 281.499.4539 TO PROVIDE CERTIFIED TOPOGRAPHIC SURVEY, GRID SPACING SHALL BE 200' MAXIMUM, INCLUDES 3D CAD FORMAT), COMPLETE IN PLACE	LS	1	\$4,600.00	\$4,600.00	\$4,600.00	\$4,600.00
7	ADDITIONAL CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00
8	TEMPORARY COFFER DAM ALONG LOCATIONS WHERE INSTALLING CULVERTS (EXIST LAKE B), INCLUDES PUMPING, INSTALLATION AND REMOVEAL UPON COMPLETION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER/OWNER), COMPLETE IN PLACE	EA	1	\$3,650.00	\$3,650.00	\$10,000.00	\$10,000.00
9	REINFORCED FILTER DAM PER PLAN, COMPLETE IN PLACE	EA	1	\$3,900.00	\$3,900.00	\$1,200.00	\$1,200.00
10	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE WASHOUT, COMPLETE IN PLACE	EA	1	\$400.00	\$400.00	\$1,500.00	\$1,500.00
11	INSTALLATION, MAINTENANCE, AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, TO INCLUDE CULVERT CROSSING AS NECESSARY, SWMHCA SPECIFICATION NO. 4711, INCLUDES INSTALLATION AND REMOVAL, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$3,250.00	\$3,250.00	\$3,500.00	\$3,500.00
12	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	9150	\$1.35	\$12,352.50	\$3.00	\$27,450.00

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CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
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 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
 P.CHATTERJEE  
 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	7) DC CONTRACTING SERVICES, LLC		8) RT ELLIS INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
13	DEBRIS REMOVAL AS REQUIRED BY FIELD CONDITIONS, TO BE APPROPRIATELY DISPOSED OFFSITE AND TO INCLUDE TRAILER LOADS OR ROLL OFF BOXES OF APPROXIMATELY 40 CUBIC YARDS, AS DIRECTED BY ENGINEER AND WHEN AUTHORIZED BY OWNER, COMPLETE IN PLACE	EA	5	\$1,200.00	\$6,000.00	\$1,500.00	\$7,500.00
14	PERMIT FEE AS REQUIRED BY CITY OF IOWA COLONY, COMPLETE IN PLACE	LS	1	\$27,300.00	\$27,300.00	\$75,000.00	\$75,000.00
<b>MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS FOR PHASE IIB SUBTOTAL:</b>					<b>\$108,557.50</b>		<b>\$179,961.00</b>
<b>ALTERNATE BID ITEMS NO. 1</b>							
1	ADDITIONAL COST TO ACHIEVE SUBSTANTIAL COMPLETION OF PRIORITY FILL AREA "A" WITHIN 15 DAYS AFTER GIVEN NOTICE TO PROCEED, INCLUDES EXCAVATION, UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, COMPLETE IN PLACE	LS	1	\$121,277.00	\$121,277.00	\$277,650.00	\$277,650.00
2	ADDITIONAL COST TO ACHIEVE SUBSTANTIAL COMPLETION OF PRIORITY FILL AREA "B" WITHIN 40 DAYS AFTER GIVEN NOTICE TO PROCEED, INCLUDES EXCAVATION, UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, COMPLETE IN PLACE	LS	1	\$226,980.00	\$226,980.00	\$680,490.00	\$680,490.00
3	ADDITIONAL COST TO ACHIEVE SUBSTANTIAL COMPLETION OF PRIORITY FILL AREA "C" WITHIN 65 DAYS AFTER GIVEN NOTICE TO PROCEED, INCLUDES EXCAVATION, UNIFORM SPREADING, GRADING, AND COMPACTING TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF FILL MATERIAL, COMPLETE IN PLACE	LS	1	\$185,099.00	\$185,099.00	\$551,600.00	\$551,600.00
<b>ALTERNATE BID ITEMS NO. 1 SUBTOTAL:</b>					<b>\$533,356.00</b>		<b>\$1,509,740.00</b>
<b>ALTERNATE BID ITEMS NO. 2</b>							
1	IN LIEU OF DETENTION AND DRAINAGE ITEMS FOR PHASE IIB BID ITEMS 41-47, ADDITIONAL COST TO INSTALL TRIPLE 8" X 7" RCB UTILIZING TRENCHLESS CONSTRUCTION METHODS UNDER EXISTING CR 57 (EXCLUDING RCB), COMPLETE IN PLACE	LF	150	\$1,365.00	\$204,750.00	\$1,350.00	\$202,500.00
<b>ALTERNATE BID ITEMS NO. 2 SUBTOTAL:</b>					<b>\$204,750.00</b>		<b>\$202,500.00</b>
<b>ALTERNATE BID ITEMS NO. 3</b>							
1	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF LAKE D-3, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DETENTION & DRAINAGE ITEM NO. 1, COMPLETE IN PLACE	CY	295800	\$21.00	\$6,211,800.00	\$29.00	\$8,578,200.00
2	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF LAKE E, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DETENTION & DRAINAGE ITEM NO. 2, COMPLETE IN PLACE	CY	177700	\$21.00	\$3,731,700.00	\$29.00	\$5,153,300.00
3	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF LAKE A, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DETENTION & DRAINAGE ITEM FOR PHASE IIB NO. 1, COMPLETE IN PLACE	CY	92500	\$21.00	\$1,942,500.00	\$29.00	\$2,682,500.00



**BID TABULATION FOR:**

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**LJA JOB NO.**

CONSTRUCTION OF DETENTION AND GRADING PHASE 2  
 TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
 CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
 SEPTEMBER 12, 2023  
 LJA ENGINEERING, INC.  
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 SEPTEMBER 13, 2023  
 1931-8109 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	7) DC CONTRACTING SERVICES, LLC		8) RT ELLIS INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF PHASE II B MASS GRADING AREA, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DETENTION & DRAINAGE ITEM FOR PHASE IIB NO. 2, COMPLETE IN PLACE	CY	2000	\$21.00	\$42,000.00	\$29.00	\$58,000.00
5	EXCAVATION, TO INCLUDE SITE PREPARATION, PROOF ROLLING OF FILL AREAS, HAULING, STRIPPING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY (ASTM D698) OF PHASE II MASS GRADING AREA, AS INDICATED ON PLANS, TO BE HAULED AND DISPOSED OUTSIDE THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, IN LIEU OF DETENTION AND DETENTION & DRAINAGE ITEM FOR PHASE IIB NO. 3, COMPLETE IN PLACE	CY	5000	\$21.00	\$105,000.00	\$29.00	\$145,000.00

**ALTERNATE BID ITEMS NO. 3 SUBTOTAL:** **\$12,033,000.00** **\$16,617,000.00**

**BIDDING SUMMARY**

SUBTOTAL DETENTION AND DRAINAGE ITEMS	\$4,750,689.00	\$6,136,557.67
SUBTOTAL MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS	\$346,870.00	\$461,300.00
SUBTOTAL DETENTION AND DRAINAGE ITEMS FOR PHASE IIB	\$2,653,273.50	\$3,036,380.60
SUBTOTAL MISCELLANEOUS AND GRADING IMPROVEMENT ITEMS FOR PHASE IIB	\$108,557.50	\$179,961.00
<b>TOTAL AMOUNT BASE BID</b>	<b>\$7,859,390.00</b>	<b>\$9,814,199.27</b>

**ALTERNATE BID ITEMS NO. 1**

TOTAL AMOUNT BASE BID	\$7,859,390.00	\$9,814,199.27
SUBTOTAL ALTERNATE BID ITEMS NO. 1	\$533,356.00	\$1,509,740.00
<b>TOTAL AMOUNT INCLUDING ALTERNATE BID ITEMS NO. 1</b>	<b>\$8,392,746.00</b>	<b>\$11,323,939.27</b>

**ALTERNATE BID ITEMS NO. 2**

TOTAL AMOUNT BASE BID	\$7,859,390.00	\$9,814,199.27
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.41	-\$4,680.00	-\$4,200.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.42	-\$6,825.00	-\$6,125.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.43	-\$100,625.00	-\$103,250.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.44	-\$66,000.00	-\$63,000.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.45	-\$9,500.00	-\$7,000.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.46	-\$3,550.00	-\$4,200.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.47	-\$21,500.00	-\$28,000.00
SUBTOTAL ALTERNATE BID ITEMS NO. 2	\$204,750.00	\$202,500.00
<b>TOTAL AMOUNT INCLUDING ALTERNATE BID ITEMS NO. 2</b>	<b>\$7,851,460.00</b>	<b>\$9,800,924.27</b>

**ALTERNATE BID ITEMS NO. 3**

TOTAL AMOUNT BASE BID	\$7,859,390.00	\$9,814,199.27
DEDUCT DETENTION AND DRAINAGE ITEMS ITEM NO.1	-\$399,330.00	-\$665,550.00
DEDUCT DETENTION AND DRAINAGE ITEMS ITEM NO.2	-\$239,895.00	-\$399,825.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.1	-\$124,875.00	-\$208,125.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.2	-\$3,300.00	-\$4,500.00
DEDUCT DETENTION AND DRAINAGE ITEMS FOR PHASE IIB ITEM NO.3	-\$8,250.00	-\$11,250.00

**BID TABULATION FOR:**

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TO SERVE BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 87  
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CITY OF IOWA COLONY, BRAZORIA COUNTY, TEXAS  
SEPTEMBER 12, 2023  
LJA ENGINEERING, INC.  
P.CHATTERJEE  
SEPTEMBER 13, 2023  
1931-8109 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	7) DC CONTRACTING SERVICES, LLC		8) RT ELLIS INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
SUBTOTAL ALTERNATE BID ITEMS NO. 3					\$12,033,000.00		\$16,617,000.00
<b>TOTAL AMOUNT INCLUDING ALTERNATE BID ITEMS NO. 3</b>					<b>\$19,116,740.00</b>		<b>\$25,141,949.27</b>

LJA Engineering, Inc.