

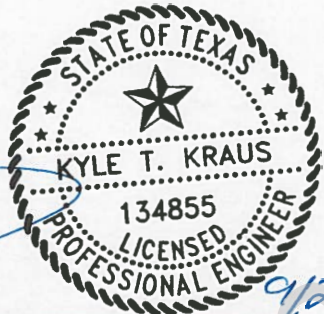
BID TABULATION FOR:

CONSTRUCTION OF THE MASS GRADING, DETENTION AND STORM SEWER & APPURTENANCES
TO SERVE JUBILEE PHASE 1
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 477
CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
SEPTEMBER 29, 2021
LJA ENGINEERING, INC.
E. MURPHY
SEPTEMBER 29, 2021
2542-1902 (9.2)

BID OPENING DATE:
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BIDDER'S NAME	TOTAL AMOUNT BID
1) HURTADO CONSTRUCTION COMPANY	\$5,150,996.26
2) SONORA CONSTRUCTION	\$5,671,089.75
3) ALLGOOD CONSTRUCTION CO., INC.	\$5,676,015.84
4) LONNIE LISCHKA COMPANY, LP	\$6,048,470.45
5) R CONSTRUCTION CIVIL	\$7,644,383.25

CALENDAR DAYS 0/0



I, Kyle T. Kraus, PE, hereby certify these bid tabulations to be true and correct.

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
MASS GRADING ITEMS									
1	POND EXCAVATION, INCLUDES FINAL GRADING, STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	589500	\$0.98	\$577,710.00	\$1.50	\$884,250.00	\$1.05	\$618,975.00
2	RETENTION CHANNEL EXCAVATION, INCLUDES FINAL GRADING, STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	153703	\$1.08	\$165,999.24	\$1.50	\$230,554.50	\$1.05	\$161,388.15
3	EXCAVATION OF 20-FOOT BOTTOM WIDTH SWALES IN FUTURE ROAD RIGHT-OF-WAY (APPROX. 0.5 – 3 FOOT DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	24889	\$4.18	\$104,036.02	\$3.00	\$74,667.00	\$0.53	\$13,191.17
4	EXCAVATION OF V- BOTTOM SWALES IN FUTURE ROAD RIGHT-OF-WAY (APPROX. 0.5 – 3 FOOT DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	3814	\$3.08	\$11,747.12	\$3.00	\$11,442.00	\$2.63	\$10,030.82
5	EXCAVATION OF PERIMETER 4-FOOT BOTTOM WIDTH SWALES AROUND WATER PLANT NO. 1 SITE (APPROX. 1 – 3 FEET DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	841	\$3.48	\$2,926.68	\$3.00	\$2,523.00	\$2.63	\$2,211.83
6	EXCAVATION OF OVERFLOW 4-FOOT BOTTOM WIDTH SWALES FROM EXIST. BETKA ROAD ROADSIDE DITCH TO PERIMETER WATER PLANT NO. 1 SWALE (APPROX. 1 – 3 FEET DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	168	\$3.48	\$584.64	\$18.00	\$3,024.00	\$2.63	\$441.84
7	EXCAVATION OF PERIMETER FILL SWALES, V-BOTTOM SWALES (1 FOOT MIN. DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	6959	\$1.88	\$13,082.92	\$3.00	\$20,877.00	\$2.63	\$18,302.17
8	EMBANKMENT OF FILL AREA 1, INCLUDES HAULING, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA, AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	217273	\$1.78	\$386,745.94	\$1.50	\$325,909.50	\$1.84	\$399,782.32
9	EMBANKMENT OF FILL AREA 2, INCLUDES HAULING, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA, AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	320641	\$1.78	\$570,740.98	\$1.50	\$480,961.50	\$1.58	\$506,612.78
10	EMBANKMENT OF FILL AREA 3 FROM POND EXCAVATION, TO BE HAULED TO FILL AREA 3 AFTER GRADES HAVE BEEN ACHIEVED IN FILL AREAS 1 & 2, INCLUDES HAULING, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA, AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	51585	\$1.88	\$96,979.80	\$1.50	\$77,377.50	\$1.31	\$67,576.35
11	EMBANKMENT OF FILL AREA 4 FROM TEMPORARY RETENTION CHANNEL EXCAVATION, TO BE HAULED TO FILL AREA 4 AFTER GRADES HAVE BEEN ACHIEVED IN THE TEMPORARY RETENTION CHANNEL, INCLUDES HAULING, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA, AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	145972	\$1.78	\$259,830.16	\$2.50	\$364,930.00	\$2.10	\$306,541.20
12	EMBANKMENT OF RETENTION BERM AT SOUTH END OF TEMPORARY RETENTION CHANNEL, INCLUDES HAULING, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA, AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	7731	\$2.48	\$19,172.88	\$1.50	\$11,596.50	\$1.05	\$8,117.55

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
13	HYDRMULCH SEEDING OF 4 FOOT BOTTOM WATER PLANT SITE NO. 1 PERIMETER SWALES & OVERFLOW SWALES FROM BETKA ROAD TO WATER PLANT SITE NO. 1 PERIMETER SWALES (APPROX. 1 - 3 FEET IN DEPTH), INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	0.6	\$1,688.00	\$1,012.80	\$2,000.00	\$1,200.00	\$1,470.00	\$882.00
14	HYDRMULCH SEEDING OF DETENTION PONDS G1, H1S, H1N, H FROM EDGE OF FUTURE RIGHT OF WAY OR DRAINAGE EASEMENT TO BOTTOM OF POND, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	17.3	\$2,358.00	\$40,793.40	\$2,000.00	\$34,600.00	\$1,470.00	\$25,431.00
15	HYDRMULCH SEEDING OF DETENTION PONDS H1, H1.1, G1.1, G1.2, A1, A1.2, A3 FROM EDGE OF FUTURE RIGHT OF WAY OR DRAINAGE EASEMENT TO 1 FOOT BELOW NORMAL POOL, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	26.6	\$2,358.00	\$62,722.80	\$2,000.00	\$53,200.00	\$1,470.00	\$39,102.00
16	HYDRMULCH SEEDING OF TEMPORARY RETENTION CHANNEL FROM EDGE OF HIGH BANK TO EDGE OF OPPOSITE HIGH BANK, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	19.25	\$2,358.00	\$45,391.50	\$2,000.00	\$38,500.00	\$1,470.00	\$28,297.50
17	DRY APPLICATION SEEDING OF DETENTION PONDS H1, H1.1, G1.1, G1.2, A1, A1.2, A3 FROM BOTTOM OF DETENTION POND TO 1 FOOT BELOW NORMAL POOL, INCLUDES SEEDING, MOWING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	14.7	\$2,358.00	\$34,662.60	\$2,300.00	\$33,810.00	\$2,205.00	\$32,413.50
18	2' THICK CLAY LINER FOR DETENTION PONDS H1, H1.1, G1.1, G1.2, A1, A1.2, A3 FROM BOTTOM OF POND TO 1 FOOT ABOVE NORMAL POOL ELEVATION, MIN. 22 PI AS REQUIRED BY GEOTECHNICAL RECOMMENDATIONS, STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	SY	81549	\$1.38	\$112,537.62	\$0.25	\$20,387.25	\$1.05	\$85,626.45
19	BROADCAST SEEDING OF FILL AREAS 1, 2, 3 & 4, 20-FOOT BOTTOM WIDTH SWALES WITHIN FUTURE RIGHT-OF-WAY AND PERIMETER SWALES, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	242.4	\$88.00	\$21,331.20	\$125.00	\$30,300.00	\$105.00	\$25,452.00
20	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	16	\$4,000.00	\$64,000.00	\$4,000.00	\$64,000.00	\$4,000.00	\$64,000.00
21	SURFACE WATER CONTROL INCLUDES PUMPING REQUIRED TO CONSTRUCT PONDS AND COMPLETE ENTIRE PROJECT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LS	1	\$28,000.00	\$28,000.00	\$18,000.00	\$18,000.00	\$19,687.50	\$19,687.50
22	EXCAVATION OF V-BOTTOM SWALES ADJACENT TO RETENTION CHANNEL, 1' MINIMUM DEPTHS, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	3747	\$1.88	\$7,044.36	\$3.00	\$11,241.00	\$2.63	\$9,854.61
MASS GRADING ITEMS SUBTOTAL:					\$2,627,052.66		\$2,793,350.75		\$2,443,917.74
DRAINAGE ITEMS									
1	24-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	423	\$80.88	\$34,212.24	\$86.00	\$36,378.00	\$85.48	\$36,158.04

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2	30-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	267	\$92.88	\$24,798.96	\$100.00	\$26,700.00	\$103.70	\$27,687.90
3	36-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	612	\$122.88	\$75,202.56	\$130.00	\$79,560.00	\$135.82	\$83,121.84
4	48-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	518	\$175.88	\$91,105.84	\$180.00	\$93,240.00	\$199.36	\$103,268.48
5	54-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	123	\$238.88	\$29,382.24	\$240.00	\$29,520.00	\$300.71	\$36,987.33
6	60-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	133	\$270.88	\$36,027.04	\$290.00	\$38,570.00	\$341.00	\$45,353.00
7	6'X5' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	132	\$448.00	\$59,136.00	\$430.00	\$56,760.00	\$526.74	\$69,529.68
8	66-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	99	\$326.88	\$32,361.12	\$330.00	\$32,670.00	\$410.93	\$40,682.07
9	6' X 6' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	55	\$482.88	\$26,558.40	\$485.00	\$26,675.00	\$565.73	\$31,115.15
10	7' X 7' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	234	\$614.88	\$143,881.92	\$595.00	\$139,230.00	\$714.66	\$167,230.44
11	8' X 6' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	131	\$628.88	\$82,383.28	\$605.00	\$79,255.00	\$732.00	\$95,892.00
12	8' X 8' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	141	\$708.88	\$99,952.08	\$693.00	\$97,713.00	\$800.16	\$112,822.56
13	10'X4' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	102	\$772.88	\$78,833.76	\$780.00	\$79,560.00	\$895.52	\$91,343.04
14	10' X 10' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	352	\$1,028.88	\$362,165.76	\$1,070.00	\$376,640.00	\$1,219.32	\$429,200.64
15	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	2	\$1,888.00	\$3,776.00	\$3,800.00	\$7,600.00	\$4,962.00	\$9,924.00
16	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER WITH TYPE "E" INLET TOP (ALL SIDES OPEN), ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	10	\$3,888.00	\$38,880.00	\$5,550.00	\$55,500.00	\$8,130.00	\$81,300.00
17	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER WITH TYPE "E" INLET TOP (ALL SIDES OPEN) TO BE BUILT ON PROPOSED RCB STORM CULVERTS, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	6	\$2,888.00	\$17,328.00	\$2,070.00	\$12,420.00	\$5,004.00	\$30,024.00
18	STANDARD TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER WITH TYPE "E" INLET TOP (ALL SIDES OPEN), ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	4	\$3,288.00	\$13,152.00	\$7,665.00	\$30,660.00	\$7,446.00	\$29,784.00
19	STANDARD TYPE "C" MAHOLE FOR 48" STORM SEWER AND LARGER WITH TYPE "E" INLET TOP(ALL SIDES OPEN) TO BE BUILT ON PROPOSED RCB STORM CULVERTS, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	3	\$3,888.00	\$11,664.00	\$7,755.00	\$23,265.00	\$6,246.00	\$18,738.00
20	JUNCTION BOX WITH TYPE "E" INLET TOP (ALL SIDES OPEN) FOR 66" RCP STORM SEWER, AND SMALLER, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	2	\$9,888.00	\$19,776.00	\$17,900.00	\$35,800.00	\$11,022.00	\$22,044.00

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21	JUNCTION BOX WITH TYPE "E" INLET TOP (ALL SIDES OPEN) FOR 8' X 6' RCB STORM BOX CULVERT, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$19,888.00	\$19,888.00	\$23,400.00	\$23,400.00	\$14,430.00	\$14,430.00
22	EXCAVATION OF INTERCEPTOR SWALES (1 FOOT MIN. DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	3877	\$1.88	\$7,288.76	\$3.00	\$11,631.00	\$2.63	\$10,196.51
23	HARRIS COUNTY FLOOD CONTROL DISTRICT STANDARD INTERCEPTOR STRUCTURE, INCLUDES 24" CGMP, SLOPE PAVING, RIP RAP, AND DAYLIGHTING SWALE FROM OUTFALL TO DETENTION POND PILOT CHANNEL, COMPLETE IN PLACE	EA	9	\$8,088.00	\$72,792.00	\$12,350.00	\$111,150.00	\$7,800.00	\$70,200.00
24	4" THICK ARTICULATED CONCRETE BLOCK FOR OUTFALL AND INFLOW STRUCTURES BUILT AS PER PLANS, CHANNEL LOCK II OR APPROVED EQUAL, TAN COLOR, INTERGRATED INTO CONCRETE, COLOR TO BE APPROVED BY ENGINEER, INCLUDES TOE DOWN, GEOTEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	1159	\$52.88	\$61,287.92	\$74.00	\$85,766.00	\$55.65	\$64,498.35
25	4" REINFORCED CONCRETE SLOPE PAVING, INCLUDES 2 FOOT TOE WALL ON ALL SIDES, COMPLETE IN PLACE	SY	1147	\$78.08	\$89,557.76	\$76.00	\$87,172.00	\$108.00	\$123,876.00
26	RIP RAP (18-INCH THICKNESS) GRADATION NO. 1, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	457	\$68.00	\$31,076.00	\$78.00	\$35,646.00	\$90.00	\$41,130.00
27	STANDARD TXDOT WINGWALL STRUCTURE, INCLUDES SCORING OF PIPE, 5" SLOPE PAVING & NECESSARY HEADWALL, COMPLETE IN PLACE	EA	16	\$18,000.00	\$288,000.00	\$21,222.00	\$339,552.00	\$33,663.67	\$538,618.72
28	MODIFIED TXDOT WINGWALL STRUCTURE, INCLUDES SCORING OF PIPE, 6" SLOPE PAVING, NECESSARY HEADWALL & WEIR WALL AS PER STRUCTURAL DETAIL ON SHEET 59, COMPLETE IN PLACE	EA	1	\$30,888.00	\$30,888.00	\$28,080.00	\$28,080.00	\$49,450.80	\$49,450.80
29	BUTTERFLY VALVE FOR 24" RCP STORM SEWER PIPE, COMPLETE IN PLACE	EA	1	\$12,288.00	\$12,288.00	\$79,866.00	\$79,866.00	\$23,209.20	\$23,209.20
30	STANDARD HARRIS COUNTY FLOATABLE COLLECTION SCREEN FOR 24" RCP STORM SEWER AS PER DETAIL ON SHEET 61, COMPLETE IN PLACE	EA	1	\$5,888.00	\$5,888.00	\$15,660.00	\$15,660.00	\$15,000.00	\$15,000.00
31	TRENCH SAFETY, COMPLETE IN PLACE	LF	3322	\$0.88	\$2,923.36	\$2.00	\$6,644.00	\$1.20	\$3,986.40
DRAINAGE ITEMS SUBTOTAL:					\$1,902,455.00		\$2,182,283.00		\$2,516,802.15
MISCELLANEOUS ITEMS									
1	EXTRA CEMENT STABILIZED SAND, 1.5 SACKS OF CEMENT PER CUBIC YARD OF MIX, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL DEPTHS, COMPLETE IN PLACE	TON	50	\$30.00	\$1,500.00	\$30.00	\$1,500.00	\$30.00	\$1,500.00
2	REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	13189	\$1.50	\$19,783.50	\$1.50	\$19,783.50	\$1.50	\$19,783.50
3	STABILIZED CONSTRUCTION ROAD AND EXIT, INCLUDES INSTALLATION, MAINTENANCE AND REMOVAL OF ROAD AT THE COMPLETION OF PROJECT, COMPLETE IN PLACE	EA	1	\$800.00	\$800.00	\$2,400.00	\$2,400.00	\$1,837.50	\$1,837.50
4	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, COMPLETE IN PLACE	LS	1	\$800.00	\$800.00	\$1,000.00	\$1,000.00	\$1,575.00	\$1,575.00
5	STAGE II INLET PROTECTION BARRIERS FOR TYPE "E" INLETS, COMPLETE IN PLACE	EA	30	\$8.00	\$240.00	\$50.00	\$1,500.00	\$78.75	\$2,362.50
6	AS BUILT SURVEY OF FILL AREAS NO. 1, NO. 2, AND 3 (DOES NOT INCLUDE POND RESERVE AREAS), BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$17,500.00	\$17,500.00	\$17,500.00	\$17,500.00	\$17,500.00	\$17,500.00

BID TABULATION FOR:

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

CONSTRUCTION OF THE MASS GRADING, DETENTION AND STORM SEWER & APPURTENANCES
 TO SERVE JUBILEE PHASE 1
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 477
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 29, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 SEPTEMBER 29, 2021
 2542-1902 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) HURTADO CONSTRUCTION COMPANY		2) SONORA CONSTRUCTION		3) ALLGOOD CONSTRUCTION CO., INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
7	AS BUILT SURVEY OF POND RESERVE AREAS & RETENTION CHANNEL, BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$31,000.00	\$31,000.00	\$31,000.00	\$31,000.00	\$31,000.00	\$31,000.00
8	WOOD MATS AT ALL EXISTING CENTERPOINT GAS LINE & SOUTHCROSS ENERGY PIPELINE CROSSINGS, COMPLETE IN PLACE	LS	1	\$20,000.00	\$20,000.00	\$13,750.00	\$13,750.00	\$10,500.00	\$10,500.00
9	CLEARING AND GRUBBING, INCLUDES HAULING CLEARING AND GRUBBING DEBRIS OFFSITE (TO BE USED ONLY AT WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	10	\$11,288.00	\$112,880.00	\$7,435.00	\$74,350.00	\$6,772.50	\$67,725.00
10	UTILITY SPOILS, COMPACTED TO 95% STANDARD PROCTOR DENSITY, TO BE USED ON-SITE, INCLUDES HAULING, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	LS	1	\$2,588.00	\$2,588.00	\$25,650.00	\$25,650.00	\$23,000.00	\$23,000.00
11	REMOVE AND REPLACE EXISTING 4-STRANDED BARBED WIRE FENCE WITH WOODEN POSTS, OR APPROVED EQUAL, TO MATCH EXISTING FENCE, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	220	\$4.88	\$1,073.60	\$9.50	\$2,090.00	\$6.56	\$1,443.20
12	ALLOWANCE TO INSTALL GREEN ARMOR 7010 ON SIDES SLOPES OF RETENTION BERM TO REINFORCE TEMPORARY RETENTION BERM STRUCTURE, CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	750	\$15.35	\$11,512.50	\$15.35	\$11,512.50	\$16.12	\$12,090.00
13	ALLOWANCE TO ADD SOIL ADMENDMENTS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR SOIL TESTING, MATERIAL AND LABOR, CONTRACT SHANGE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	750	\$2.50	\$1,875.00	\$2.50	\$1,875.00	\$2.63	\$1,972.50
14	14" PVC CASING FOR FUTURE 8" WATERLINE, AWWA C-900, DR-18, CLASS 235, ALL DEPTHS, INCLUDES FITTINGS, COMPLETE IN PLACE	LF	60	\$148.00	\$8,880.00	\$159.00	\$9,540.00	\$170.20	\$10,212.00
15	16" PVC CASING FOR FUTURE 10" FORCE MAIN, AWWA C-900, DR-18, CLASS 235, ALL DEPTHS, INCLUDES FITTINGS, COMPLETE IN PLACE	LF	40	\$162.88	\$6,515.20	\$159.00	\$6,360.00	\$204.70	\$8,188.00
16	20" PVC CASING FOR FUTURE 12" WATERLINE, AWWA C-900, DR-18, CLASS 235, ALL DEPTHS, INCLUDES FITTINGS, COMPLETE IN PLACE	LF	40	\$233.18	\$9,327.20	\$230.00	\$9,200.00	\$285.20	\$11,408.00
17	TRENCH SAFETY FOR CASING PIPES, COMPLETE IN PLACE	LF	140	\$0.18	\$25.20	\$2.00	\$280.00	\$1.15	\$161.00
18	CONSTRUCTION STAKING FOR CONSTRUCTION BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$125,900.00	\$125,900.00	\$125,900.00	\$125,900.00	\$132,195.00	\$132,195.00
19	TYPE II ROCK FILTER DAM, COMPLETE IN PLACE	EA	1	\$800.00	\$800.00	\$2,000.00	\$2,000.00	\$2,625.00	\$2,625.00
20	8" CRUSHED CONCRETE ALL WEATHER ACCESS ROAD, INCLUDE GEOTEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), 6" HYDRATED LIME (3% BY DRY UNIT WEIGHT) & FLY ASH (7% BY DRY UNIT WEIGHT) STABILIZED SUBGRADE AS PER GEOTECHNICAL ENGINEER'S RECOMMENDATION, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	14555	\$16.88	\$245,688.40	\$23.00	\$334,765.00	\$24.55	\$357,325.25
21	DEWATERING OF STORM PIPES AND CULVERTS (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$30.00	\$3,000.00	\$1.05	\$105.00
22	CONCRETE TRUCK WASHOUT, INCLUDES INSTALLATION, MAINTENANCE, & REMOVAL, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	EA	1	\$800.00	\$800.00	\$500.00	\$500.00	\$787.50	\$787.50
MISCELLANEOUS ITEMS SUBTOTAL:					\$621,488.60		\$695,456.00		\$715,295.95
BIDDING SUMMARY									
SUBTOTAL MASS GRADING ITEMS					\$2,627,052.66		\$2,793,350.75		\$2,443,917.74
SUBTOTAL DRAINAGE ITEMS					\$1,902,455.00		\$2,182,283.00		\$2,516,802.15

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HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 477
CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
SEPTEMBER 29, 2021
LJA ENGINEERING, INC.
E. MURPHY
SEPTEMBER 29, 2021
2542-1902 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) HURTADO CONSTRUCTION COMPANY		2) SONORA CONSTRUCTION		3) ALLGOOD CONSTRUCTION CO., INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
	SUBTOTAL MISCELLANEOUS ITEMS				\$621,488.60		\$695,456.00		\$715,295.95
	TOTAL AMOUNT BASE BID				\$5,150,996.26		\$5,671,089.75		\$5,676,015.84

LJA Engineering, Inc.

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ITEM	DESCRIPTION	UNIT	QTY	4) LONNIE LISCHKA COMPANY, LP		5) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
MASS GRADING ITEMS							
1	POND EXCAVATION, INCLUDES FINAL GRADING, STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	589500	\$1.00	\$589,500.00	\$3.00	\$1,768,500.00
2	RETENTION CHANNEL EXCAVATION, INCLUDES FINAL GRADING, STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	153703	\$1.00	\$153,703.00	\$4.00	\$614,812.00
3	EXCAVATION OF 20-FOOT BOTTOM WIDTH SWALES IN FUTURE ROAD RIGHT-OF-WAY (APPROX. 0.5 – 3 FOOT DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	24889	\$1.00	\$24,889.00	\$3.25	\$80,889.25
4	EXCAVATION OF V- BOTTOM SWALES IN FUTURE ROAD RIGHT-OF-WAY (APPROX. 0.5 – 3 FOOT DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	3814	\$3.00	\$11,442.00	\$3.25	\$12,395.50
5	EXCAVATION OF PERIMETER 4-FOOT BOTTOM WIDTH SWALES AROUND WATER PLANT NO. 1 SITE (APPROX. 1 – 3 FEET DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	841	\$4.00	\$3,364.00	\$3.25	\$2,733.25
6	EXCAVATION OF OVERFLOW 4-FOOT BOTTOM WIDTH SWALES FROM EXIST. BETKA ROAD ROADSIDE DITCH TO PERIMETER WATER PLANT NO. 1 SWALE (APPROX. 1 – 3 FEET DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	168	\$4.00	\$672.00	\$3.25	\$546.00
7	EXCAVATION OF PERIMETER FILL SWALES, V-BOTTOM SWALES (1 FOOT MIN. DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	6959	\$2.50	\$17,397.50	\$3.25	\$22,616.75
8	EMBANKMENT OF FILL AREA 1, INCLUDES HAULING, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA, AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	217273	\$2.30	\$499,727.90	\$1.25	\$271,591.25
9	EMBANKMENT OF FILL AREA 2, INCLUDES HAULING, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA, AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	320641	\$2.30	\$737,474.30	\$1.25	\$400,801.25
10	EMBANKMENT OF FILL AREA 3 FROM POND EXCAVATION, TO BE HAULED TO FILL AREA 3 AFTER GRADES HAVE BEEN ACHIEVED IN FILL AREAS 1 & 2, INCLUDES HAULING, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA, AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	51585	\$2.30	\$118,645.50	\$1.25	\$64,481.25
11	EMBANKMENT OF FILL AREA 4 FROM TEMPORARY RETENTION CHANNEL EXCAVATION, TO BE HAULED TO FILL AREA 4 AFTER GRADES HAVE BEEN ACHIEVED IN THE TEMPORARY RETENTION CHANNEL, INCLUDES HAULING, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA, AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	145972	\$2.30	\$335,735.60	\$1.25	\$182,465.00
12	EMBANKMENT OF RETENTION BERM AT SOUTH END OF TEMPORARY RETENTION CHANNEL, INCLUDES HAULING, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA, AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	7731	\$2.30	\$17,781.30	\$1.25	\$9,663.75

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 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 29, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 SEPTEMBER 29, 2021
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ITEM	DESCRIPTION	UNIT	QTY	4) LONNIE LISCHKA COMPANY, LP		5) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
13	HYDRMULCH SEEDING OF 4 FOOT BOTTOM WATER PLANT SITE NO. 1 PERIMETER SWALES & OVERFLOW SWALES FROM BETKA ROAD TO WATER PLANT SITE NO. 1 PERIMETER SWALES (APPROX. 1 - 3 FEET IN DEPTH), INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	0.6	\$2,400.00	\$1,440.00	\$900.00	\$540.00
14	HYDRMULCH SEEDING OF DETENTION PONDS G1, H1S, H1N, H FROM EDGE OF FUTURE RIGHT OF WAY OR DRAINAGE EASEMENT TO BOTTOM OF POND, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	17.3	\$2,800.00	\$48,440.00	\$900.00	\$15,570.00
15	HYDRMULCH SEEDING OF DETENTION PONDS H1, H1.1, G1.1, G1.2, A1, A1.2, A3 FROM EDGE OF FUTURE RIGHT OF WAY OR DRAINAGE EASEMENT TO 1 FOOT BELOW NORMAL POOL, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	26.6	\$2,800.00	\$74,480.00	\$900.00	\$23,940.00
16	HYDRMULCH SEEDING OF TEMPORARY RETENTION CHANNEL FROM EDGE OF HIGH BANK TO EDGE OF OPPOSITE HIGH BANK, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	19.25	\$2,800.00	\$53,900.00	\$900.00	\$17,325.00
17	DRY APPLICATION SEEDING OF DETENTION PONDS H1, H1.1, G1.1, G1.2, A1, A1.2, A3 FROM BOTTOM OF DETENTION POND TO 1 FOOT BELOW NORMAL POOL, INCLUDES SEEDING, MOWING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	14.7	\$2,800.00	\$41,160.00	\$1,800.00	\$26,460.00
18	2' THICK CLAY LINER FOR DETENTION PONDS H1, H1.1, G1.1, G1.2, A1, A1.2, A3 FROM BOTTOM OF POND TO 1 FOOT ABOVE NORMAL POOL ELEVATION, MIN. 22 PI AS REQUIRED BY GEOTECHNICAL RECOMMENDATIONS, STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	SY	81549	\$1.90	\$154,943.10	\$2.00	\$163,098.00
19	BROADCAST SEEDING OF FILL AREAS 1, 2, 3 & 4, 20-FOOT BOTTOM WIDTH SWALES WITHIN FUTURE RIGHT-OF-WAY AND PERIMETER SWALES, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	242.4	\$100.00	\$24,240.00	\$350.00	\$84,840.00
20	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	16	\$4,000.00	\$64,000.00	\$4,000.00	\$64,000.00
21	SURFACE WATER CONTROL INCLUDES PUMPING REQUIRED TO CONSTRUCT PONDS AND COMPLETE ENTIRE PROJECT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LS	1	\$21,000.00	\$21,000.00	\$80,000.00	\$80,000.00
22	EXCAVATION OF V-BOTTOM SWALES ADJACENT TO RETENTION CHANNEL, 1' MINIMUM DEPTHS, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	3747	\$2.50	\$9,367.50	\$3.25	\$12,177.75
MASS GRADING ITEMS SUBTOTAL:					\$3,003,302.70		\$3,919,446.00
DRAINAGE ITEMS							
1	24-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	423	\$78.20	\$33,078.60	\$85.00	\$35,955.00

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ITEM	DESCRIPTION	UNIT	QTY	4) LONNIE LISCHKA COMPANY, LP		5) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
2	30-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	267	\$98.60	\$26,326.20	\$97.00	\$25,899.00
3	36-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	612	\$121.30	\$74,235.60	\$125.00	\$76,500.00
4	48-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	518	\$192.15	\$99,533.70	\$220.00	\$113,960.00
5	54-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	123	\$261.50	\$32,164.50	\$265.00	\$32,595.00
6	60-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	133	\$303.60	\$40,378.80	\$370.00	\$49,210.00
7	6'X5' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	132	\$447.00	\$59,004.00	\$510.00	\$67,320.00
8	66-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	99	\$356.50	\$35,293.50	\$400.00	\$39,600.00
9	6' X 6' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	55	\$486.00	\$26,730.00	\$550.00	\$30,250.00
10	7' X 7' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	234	\$616.60	\$144,284.40	\$675.00	\$157,950.00
11	8' X 6' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	131	\$636.50	\$83,381.50	\$700.00	\$91,700.00
12	8' X 8' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	141	\$717.00	\$101,097.00	\$815.00	\$114,915.00
13	10'X4' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	102	\$788.00	\$80,376.00	\$850.00	\$86,700.00
14	10' X 10' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	352	\$1,104.00	\$388,608.00	\$1,350.00	\$475,200.00
15	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	2	\$5,562.00	\$11,124.00	\$4,500.00	\$9,000.00
16	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER WITH TYPE "E" INLET TOP (ALL SIDES OPEN), ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	10	\$7,500.00	\$75,000.00	\$7,400.00	\$74,000.00
17	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER WITH TYPE "E" INLET TOP (ALL SIDES OPEN) TO BE BUILT ON PROPOSED RCB STORM CULVERTS, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	6	\$4,800.00	\$28,800.00	\$4,600.00	\$27,600.00
18	STANDARD TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER WITH TYPE "E" INLET TOP (ALL SIDES OPEN), ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	4	\$7,900.00	\$31,600.00	\$7,200.00	\$28,800.00
19	STANDARD TYPE "C" MAHOLE FOR 48" STORM SEWER AND LARGER WITH TYPE "E" INLET TOP(ALL SIDES OPEN) TO BE BUILT ON PROPOSED RCB STORM CULVERTS, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	3	\$3,200.00	\$9,600.00	\$9,000.00	\$27,000.00
20	JUNCTION BOX WITH TYPE "E" INLET TOP (ALL SIDES OPEN) FOR 66" RCP STORM SEWER, AND SMALLER, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	2	\$11,203.00	\$22,406.00	\$12,000.00	\$24,000.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
21	JUNCTION BOX WITH TYPE "E" INLET TOP (ALL SIDES OPEN) FOR 8' X 6' RCB STORM BOX CULVERT, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$16,500.00	\$16,500.00	\$15,000.00	\$15,000.00
22	EXCAVATION OF INTERCEPTOR SWALES (1 FOOT MIN. DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	3877	\$2.50	\$9,692.50	\$3.25	\$12,600.25
23	HARRIS COUNTY FLOOD CONTROL DISTRICT STANDARD INTERCEPTOR STRUCTURE, INCLUDES 24" CGMP, SLOPE PAVING, RIP RAP, AND DAYLIGHTING SWALE FROM OUTFALL TO DETENTION POND PILOT CHANNEL, COMPLETE IN PLACE	EA	9	\$8,900.00	\$80,100.00	\$11,000.00	\$99,000.00
24	4" THICK ARTICULATED CONCRETE BLOCK FOR OUTFALL AND INFLOW STRUCTURES BUILT AS PER PLANS, CHANNEL LOCK II OR APPROVED EQUAL, TAN COLOR, INTERGRATED INTO CONCRETE, COLOR TO BE APPROVED BY ENGINEER, INCLUDES TOE DOWN, GEOTEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	1159	\$48.50	\$56,211.50	\$75.00	\$86,925.00
25	4" REINFORCED CONCRETE SLOPE PAVING, INCLUDES 2 FOOT TOE WALL ON ALL SIDES, COMPLETE IN PLACE	SY	1147	\$89.00	\$102,083.00	\$95.00	\$108,965.00
26	RIP RAP (18-INCH THICKNESS) GRADATION NO. 1, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	457	\$85.00	\$38,845.00	\$105.00	\$47,985.00
27	STANDARD TXDOT WINGWALL STRUCTURE, INCLUDES SCORING OF PIPE, 5" SLOPE PAVING & NECESSARY HEADWALL, COMPLETE IN PLACE	EA	16	\$28,220.00	\$451,520.00	\$56,000.00	\$896,000.00
28	MODIFIED TXDOT WINGWALL STRUCTURE, INCLUDES SCORING OF PIPE, 6" SLOPE PAVING, NECESSARY HEADWALL & WEIR WALL AS PER STRUCTURAL DETAIL ON SHEET 59, COMPLETE IN PLACE	EA	1	\$29,170.00	\$29,170.00	\$75,000.00	\$75,000.00
29	BUTTERFLY VALVE FOR 24" RCP STORM SEWER PIPE, COMPLETE IN PLACE	EA	1	\$27,900.00	\$27,900.00	\$20,000.00	\$20,000.00
30	STANDARD HARRIS COUNTY FLOATABLE COLLECTION SCREEN FOR 24" RCP STORM SEWER AS PER DETAIL ON SHEET 61, COMPLETE IN PLACE	EA	1	\$10,100.00	\$10,100.00	\$12,000.00	\$12,000.00
31	TRENCH SAFETY, COMPLETE IN PLACE	LF	3322	\$0.10	\$332.20	\$1.00	\$3,322.00
DRAINAGE ITEMS SUBTOTAL:					\$2,225,476.00		\$2,964,951.25
MISCELLANEOUS ITEMS							
1	EXTRA CEMENT STABILIZED SAND, 1.5 SACKS OF CEMENT PER CUBIC YARD OF MIX, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL DEPTHS, COMPLETE IN PLACE	TON	50	\$30.00	\$1,500.00	\$30.00	\$1,500.00
2	REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	13189	\$1.50	\$19,783.50	\$1.50	\$19,783.50
3	STABILIZED CONSTRUCTION ROAD AND EXIT, INCLUDES INSTALLATION, MAINTENANCE AND REMOVAL OF ROAD AT THE COMPLETION OF PROJECT, COMPLETE IN PLACE	EA	1	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00
4	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
5	STAGE II INLET PROTECTION BARRIERS FOR TYPE "E" INLETS, COMPLETE IN PLACE	EA	30	\$20.00	\$600.00	\$50.00	\$1,500.00
6	AS BUILT SURVEY OF FILL AREAS NO. 1, NO. 2, AND 3 (DOES NOT INCLUDE POND RESERVE AREAS), BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$17,500.00	\$17,500.00	\$17,500.00	\$17,500.00

BID TABULATION FOR:

CONSTRUCTION OF THE MASS GRADING, DETENTION AND STORM SEWER & APPURTENANCES
 TO SERVE JUBILEE PHASE 1
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 477
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 29, 2021
 LJA ENGINEERING, INC.
 E. MURPHY
 SEPTEMBER 29, 2021
 2542-1902 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) LONNIE LISCHKA COMPANY, LP		5) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
7	AS BUILT SURVEY OF POND RESERVE AREAS & RETENTION CHANNEL, BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$31,000.00	\$31,000.00	\$31,000.00	\$31,000.00
8	WOOD MATS AT ALL EXISTING CENTERPOINT GAS LINE & SOUTHCROSS ENERGY PIPELINE CROSSINGS, COMPLETE IN PLACE	LS	1	\$16,500.00	\$16,500.00	\$30,000.00	\$30,000.00
9	CLEARING AND GRUBBING, INCLUDES HAULING CLEARING AND GRUBBING DEBRIS OFFSITE (TO BE USED ONLY AT WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	10	\$11,000.00	\$110,000.00	\$7,000.00	\$70,000.00
10	UTILITY SPOILS, COMPACTED TO 95% STANDARD PROCTOR DENSITY, TO BE USED ON-SITE, INCLUDES HAULING, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	LS	1	\$15,000.00	\$15,000.00	\$35,000.00	\$35,000.00
11	REMOVE AND REPLACE EXISTING 4-STRANDED BARBED WIRE FENCE WITH WOODEN POSTS, OR APPROVED EQUAL, TO MATCH EXISTING FENCE, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	220	\$10.00	\$2,200.00	\$20.00	\$4,400.00
12	ALLOWANCE TO INSTALL GREEN ARMOR 7010 ON SIDES SLOPES OF RETENTION BERM TO REINFORCE TEMPORARY RETENTION BERM STRUCTURE, CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR MATERIAL AND LABOR, CONTACT SHANE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	750	\$15.35	\$11,512.50	\$15.35	\$11,512.50
13	ALLOWANCE TO ADD SOIL ADMENDMENTS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), CONTRACTOR TO SUBCONTRACT WITH STUCKEY'S, LLC FOR SOIL TESTING, MATERIAL AND LABOR, CONTRACT SHANGE STUCKEY AT 281.642.1368, COMPLETE IN PLACE	SY	750	\$2.50	\$1,875.00	\$2.50	\$1,875.00
14	14" PVC CASING FOR FUTURE 8" WATERLINE, AWWA C-900, DR-18, CLASS 235, ALL DEPTHS, INCLUDES FITTINGS, COMPLETE IN PLACE	LF	60	\$78.00	\$4,680.00	\$250.00	\$15,000.00
15	16" PVC CASING FOR FUTURE 10" FORCE MAIN, AWWA C-900, DR-18, CLASS 235, ALL DEPTHS, INCLUDES FITTINGS, COMPLETE IN PLACE	LF	40	\$96.00	\$3,840.00	\$250.00	\$10,000.00
16	20" PVC CASING FOR FUTURE 12" WATERLINE, AWWA C-900, DR-18, CLASS 235, ALL DEPTHS, INCLUDES FITTINGS, COMPLETE IN PLACE	LF	40	\$120.00	\$4,800.00	\$250.00	\$10,000.00
17	TRENCH SAFETY FOR CASING PIPES, COMPLETE IN PLACE	LF	140	\$1.00	\$140.00	\$1.00	\$140.00
18	CONSTRUCTION STAKING FOR CONSTRUCTION BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$125,900.00	\$125,900.00	\$125,900.00	\$125,900.00
19	TYPE II ROCK FILTER DAM, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$3,000.00	\$3,000.00
20	8" CRUSHED CONCRETE ALL WEATHER ACCESS ROAD, INCLUDE GEOTEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), 6" HYDRATED LIME (3% BY DRY UNIT WEIGHT) & FLY ASH (7% BY DRY UNIT WEIGHT) STABILIZED SUBGRADE AS PER GEOTECHNICAL ENGINEER'S RECOMMENDATION, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	14555	\$30.65	\$446,110.75	\$25.00	\$363,875.00
21	DEWATERING OF STORM PIPES AND CULVERTS (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	100	\$10.00	\$1,000.00	\$30.00	\$3,000.00
22	CONCRETE TRUCK WASHOUT, INCLUDES INSTALLATION, MAINTENANCE, & REMOVAL, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	EA	1	\$250.00	\$250.00	\$1,000.00	\$1,000.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$819,691.75		\$759,986.00
BIDDING SUMMARY							
SUBTOTAL MASS GRADING ITEMS					\$3,003,302.70		\$3,919,446.00
SUBTOTAL DRAINAGE ITEMS					\$2,225,476.00		\$2,964,951.25

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ITEM	DESCRIPTION	UNIT	QTY	4) LONNIE LISCHKA COMPANY, LP		5) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
	SUBTOTAL MISCELLANEOUS ITEMS				\$819,691.75		\$759,986.00
	TOTAL AMOUNT BASE BID				\$6,048,470.45		\$7,644,383.25

LJA Engineering, Inc.