

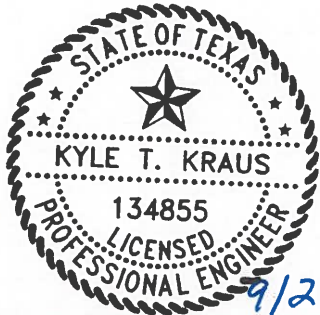
BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 OFF-SITE DRAINAGE CHANNEL & APPURTENANCES
TO SERVE JUBILEE
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
2542-1901 (9.2)

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

BIDDER'S NAME	TOTAL AMOUNT BID	BID INCLUDING ALTERNATES
1) EARTH BUILDERS, L.P.	\$3,734,704.70	\$3,439,750.30
2) HURTADO CONSTRUCTION COMPANY	\$4,614,904.02	\$8,212,684.02
3) MILLIS EQUIPMENT LLC	\$4,905,102.81	\$4,452,243.55
4) R CONSTRUCTION CIVIL	\$4,949,298.40	\$6,120,774.40

CALENDAR DAYS 85/100



9/29/21

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

LJA Engineering, Inc.

BID TABULATION FOR:

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

CONSTRUCTION OF THE PHASE 1 OFF-SITE DRAINAGE CHANNEL & APPURTENANCES
 TO SERVE JUBILEE
 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
 2542-1901 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) EARTH BUILDERS, L.P.		2) HURTADO CONSTRUCTION COMPANY		3) MILLIS EQUIPMENT LLC		
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
DRAINAGE CHANNEL ITEMS										
1	PHASE I OFF-SITE CHANNEL EXCAVATION, INCLUDES FINAL GRADING, STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	211530	\$2.00	\$423,060.00	\$1.98	\$418,829.40	\$1.75	\$370,177.50	
2	EMBANKMENT OF FILL AREA 1 PER FILL EXHIBIT FROM MCCORMACK/GOLD STAR PROPERTY, INCLUDES HAULING A MAX HAUL DISTANCE OF APPROXIMATELY 1.60 MILES, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	107784	\$2.20	\$237,124.80	\$4.00	\$431,136.00	\$3.49	\$376,166.16	
3	EMBANKMENT OF FILL AREA 1 PER FILL EXHIBIT FROM MINERO PROPERTY, INCLUDES HAULING A MAX HAUL DISTANCE OF 2.50 MILES, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	82903	\$3.20	\$265,289.60	\$4.58	\$379,695.74	\$5.10	\$422,805.30	
4	EMBANKMENT OF FILL AREA 1 PER FILL EXHIBIT FROM WEISS PROPERTY, INCLUDES HAULING A MAX HAUL DISTANCE OF 2.75 MILES, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	7523	\$4.00	\$30,092.00	\$4.80	\$36,110.40	\$5.60	\$42,128.80	
5	EMBANKMENT WITHIN MINERO PROPERTY NORTH OF JACK ROAD, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	6796	\$3.50	\$23,786.00	\$2.83	\$19,232.68	\$1.90	\$12,912.40	
6	EMBANKMENT WITHIN WEISS PROPERTY SOUTH OF JACK ROAD, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	1350	\$3.50	\$4,725.00	\$5.58	\$7,533.00	\$1.90	\$2,565.00	
7	EMBANKMENT WITHIN JACK ROAD ROW TO RAISE ROAD, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	2325	\$3.50	\$8,137.50	\$1.48	\$3,441.00	\$1.90	\$4,417.50	
8	EMBANKMENT OF CLAY BERM ON NORTH SIDE OF CHANNEL ALONG EAST TO WEST STRETCH OF CHANNEL IN MCCORMACK/GOLD STAR'S PROPERTY, MIN. 22 PI AS REQUIRED BY GEOTECHNICAL RECOMMENDATIONS, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES, COMPLETE IN PLACE	CY	935	\$4.00	\$3,740.00	\$2.88	\$2,692.80	\$7.20	\$6,732.00	
9	EMBANKMENT OF CLAY BERM ON EAST SIDE OF DRAINAGE CHANNEL ALONG EXISTING LAKE ON NORTH CORNER OF MINERO PROPERTY, MIN. 22 PI AS REQUIRED BY GEOTECHNICAL RECOMMENDATIONS, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES AND LAKE AS NECESSARY, COMPLETE IN PLACE	CY	957	\$4.00	\$3,828.00	\$2.80	\$2,679.60	\$8.00	\$7,656.00	
10	HYDROMULCH SEEDING OF PHASE I OFF-SITE CHANNEL FROM EDGE OF HIGH BANK TO EDGE OF OPPOSITE HIGH BANK, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENEOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	15	\$1,800.00	\$27,000.00	\$2,358.00	\$35,370.00	\$1,845.00	\$27,675.00	
11	HYDROMULCH SEEDING OF BERM ALONG NORTH SIDE OF CHANNEL, FROM TOE TO OPPOSITE TOE, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENEOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	10	\$1,800.00	\$18,000.00	\$2,358.00	\$23,580.00	\$1,845.00	\$18,450.00	

BID TABULATION FOR:

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

CONSTRUCTION OF THE PHASE 1 OFF-SITE DRAINAGE CHANNEL & APPURTENANCES
 TO SERVE JUBILEE
 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
 2542-1901 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) EARTH BUILDERS, L.P.		2) HURTADO CONSTRUCTION COMPANY		3) MILLIS EQUIPMENT LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12	HYDROMULCH SEEDING OF BERM ON EAST SIDE OF DRAINAGE CHANNEL ALONG EXISTING LAKE ON NORTH CORNER OF MINERO PROPERTY, FROM TOE TO OPPOSITE TOE, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENEOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	1	\$1,800.00	\$1,800.00	\$2,358.00	\$2,358.00	\$1,845.00	\$1,845.00
13	BROADCAST SEEDING OF FILL AREA 1, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENEOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	60	\$800.00	\$48,000.00	\$80.00	\$4,800.00	\$1,168.00	\$70,080.00
14	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF CHANNEL, 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	10	\$4,000.00	\$40,000.00	\$4,000.00	\$40,000.00	\$4,000.00	\$40,000.00
15	SURFACE WATER CONTROL INCLUDES PUMPING REQUIRED TO CONSTRUCT CHANNEL AND COMPLETE ENTIRE PROJECT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LS	1	\$10,000.00	\$10,000.00	\$28,000.00	\$28,000.00	\$15,370.00	\$15,370.00
DRAINAGE CHANNEL ITEMS SUBTOTAL:					\$1,144,582.90		\$1,435,458.62		\$1,418,980.66
DRAINAGE ITEMS FOR CHANNEL									
1	24-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	82	\$85.00	\$6,970.00	\$98.88	\$8,108.16	\$94.00	\$7,708.00
2	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00	\$2,888.00	\$2,888.00	\$4,997.00	\$4,997.00
3	EXCAVATION OF INTERCEPTOR SWALES (1 FOOT MIN. DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	6105	\$3.00	\$18,315.00	\$1.88	\$11,477.40	\$2.75	\$16,788.75
4	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	8	\$9,500.00	\$76,000.00	\$12,888.00	\$103,104.00	\$11,130.00	\$89,040.00
5	HARRIS COUNTY FLOOD CONTROL DISTRICT MODIFIED INTERCEPTOR STRUCTURE, INCLUDES 42" CGMP, SLOPE PAVING, RIP RAP, AND DAYLIGHTING SWALE FROM OUTFALL TO DETENTION POND PILOT CHANNEL, COMPLETE IN PLACE	EA	4	\$15,000.00	\$60,000.00	\$18,888.00	\$75,552.00	\$18,950.00	\$75,800.00
6	4" REINFORCED CONCRETE SLOPE PAVING, INCLUDES 2 FOOT TOE WALL ON ALL SIDES, COMPLETE IN PLACE	SY	1133	\$85.00	\$96,305.00	\$78.88	\$89,371.04	\$88.50	\$100,270.50
7	RIP RAP (18-INCH THICKNESS) GRADATION NO. 1, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	704	\$85.00	\$59,840.00	\$78.00	\$54,912.00	\$50.75	\$35,728.00
8	TRENCH SAFETY, COMPLETE IN PLACE	LF	82	\$1.00	\$82.00	\$0.88	\$72.16	\$18.50	\$1,517.00
DRAINAGE ITEMS FOR CHANNEL SUBTOTAL:					\$321,012.00		\$345,484.76		\$331,849.25
DRAINAGE ITEMS FOR UNION PACIFIC RAILROAD CROSSING									
1	10' X 7' RCB, STORM BOX CULVERT, COOPER E80 LOADING, ALL DEPTHS, AS PER STRUCTURAL DETAILS, INCLUDES SCORING OF PIPE, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LF	720	\$1,290.00	\$928,800.00	\$1,888.00	\$1,359,360.00	\$2,104.00	\$1,514,880.00
2	4" REINFORCED CONCRETE SLOPE PAVING, INCLUDES 2 FOOT TOE WALL ON ALL SIDES, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	369	\$85.00	\$31,365.00	\$78.88	\$29,106.72	\$88.50	\$32,656.50

BID TABULATION FOR:

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

CONSTRUCTION OF THE PHASE 1 OFF-SITE DRAINAGE CHANNEL & APPURTENANCES
 TO SERVE JUBILEE
 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
 2542-1901 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) EARTH BUILDERS, L.P.		2) HURTADO CONSTRUCTION COMPANY		3) MILLIS EQUIPMENT LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
3	RIP RAP (18-INCH THICKNESS) GRADATION NO. 1, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	132	\$85.00	\$11,220.00	\$78.00	\$10,296.00	\$50.75	\$6,699.00
4	WINGWALL STRUCTURE AS PER PLANS AND STRUCTURAL DETAILS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	EA	2	\$60,000.00	\$120,000.00	\$88,000.00	\$176,000.00	\$76,240.00	\$152,480.00
5	TRENCH SAFETY, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LF	720	\$1.00	\$720.00	\$0.88	\$633.60	\$4.90	\$3,528.00
6	ADDITIONAL INSURANCE AS REQUIRED BY UNION PACIFIC AGREEMENT (EXHIBIT C), AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LS	1	\$2,500.00	\$2,500.00	\$18,000.00	\$18,000.00	\$9,223.00	\$9,223.00
7	FLAGGERS AS REQUIRED BY UNION PACIFIC AGREEMENT (EXHIBIT C), AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	DAY	5	\$1,000.00	\$5,000.00	\$1,000.00	\$5,000.00	\$1,230.00	\$6,150.00
DRAINAGE ITEMS FOR UNION PACIFIC RAILROAD CROSSING SUBTOTAL:					\$1,099,605.00		\$1,598,396.32		\$1,725,616.50
DRAINAGE ITEMS FOR JACK ROAD CROSSING									
1	24-INCH RCP, STRM SEWER, ASTM C-76, CLASS III ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	371	\$85.00	\$31,535.00	\$88.88	\$32,974.48	\$87.25	\$32,369.75
2	10' X 7' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LF	606	\$1,000.00	\$606,000.00	\$918.00	\$556,308.00	\$1,228.00	\$744,168.00
3	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, BUILT ON TOP OF RCB BEND, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	4	\$1,200.00	\$4,800.00	\$1,688.00	\$6,752.00	\$2,476.00	\$9,904.00
4	STANDARD TYPE "A" GRATE INLET, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	2	\$3,000.00	\$6,000.00	\$1,988.00	\$3,976.00	\$2,003.00	\$4,006.00
5	45 DEGREE BEND FOR 10' X 7' RCB STORM BOX CULVERT, COMPLETE IN PLACE	EA	4	\$6,400.00	\$25,600.00	\$6,388.00	\$25,552.00	\$1,108.00	\$4,432.00
6	4" REINFORCED CONCRETE SLOPE PAVING, INCLUDES 2 FOOT TOE WALL ON ALL SIDES, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	327	\$85.00	\$27,795.00	\$78.88	\$25,793.76	\$88.50	\$28,939.50
7	RIP RAP (18-INCH THICKNESS) GRADATION NO. 1, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	128	\$85.00	\$10,880.00	\$78.00	\$9,984.00	\$50.75	\$6,496.00
8	WINGWALL STRUCTURE AS PER PLANS AND STRUCTURAL DETAILS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	EA	2	\$45,000.00	\$90,000.00	\$58,000.00	\$116,000.00	\$76,240.00	\$152,480.00
9	TRENCH SAFETY, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LF	977	\$1.00	\$977.00	\$0.88	\$859.76	\$3.70	\$3,614.90
DRAINAGE ITEMS FOR JACK ROAD CROSSING SUBTOTAL:					\$803,587.00		\$778,200.00		\$986,410.15
PAVING ITEMS FOR JACK ROAD CROSSING									
1	3" HOT MIX ASPHALT CONCRETE TRANSITION, COMPLETE IN PLACE	SY	1533	\$23.00	\$35,259.00	\$38.00	\$58,254.00	\$36.50	\$55,954.50
2	8" HOT MIX ASPHALT BLACK BASE, COMPLETE IN PLACE	SY	1533	\$60.00	\$91,980.00	\$78.00	\$119,574.00	\$54.50	\$83,548.50
3	6" LIME/FLYASH STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	1789	\$12.00	\$21,468.00	\$8.88	\$15,886.32	\$7.20	\$12,880.80
4	HYDRATED LIME FOR STABILIZED SUB-GRADE (3% BY WEIGHT) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	14	\$220.00	\$3,080.00	\$258.00	\$3,612.00	\$224.00	\$3,136.00
5	FLY ASH FOR STABILIZED SUB-GRADE (7% BY WEIGHT) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	34	\$200.00	\$6,800.00	\$118.00	\$4,012.00	\$135.50	\$4,607.00

BID TABULATION FOR:

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

CONSTRUCTION OF THE PHASE 1 OFF-SITE DRAINAGE CHANNEL & APPURTENANCES
 TO SERVE JUBILEE
 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
 2542-1901 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) EARTH BUILDERS, L.P.		2) HURTADO CONSTRUCTION COMPANY		3) MILLIS EQUIPMENT LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6	REMOVE AND DISPOSE OF EXISTING JACK ROAD, INCLUDES SAWCUT TO FULL DEPTH, COMPLETE IN PLACE	SY	1533	\$14.00	\$21,462.00	\$16.88	\$25,877.04	\$9.80	\$15,023.40
7	REGRADE ROADSIDE DITCHES, COMPLETE IN PLACE	LF	957	\$3.00	\$2,871.00	\$2.88	\$2,756.16	\$3.25	\$3,110.25
PAVING ITEMS FOR JACK ROAD CROSSING SUBTOTAL:					\$182,920.00		\$229,971.52		\$178,260.45
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	\$40.00	\$2,000.00	\$30.00	\$1,500.00	\$30.75	\$1,537.50
2	REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	12508	\$1.60	\$20,012.80	\$1.50	\$18,762.00	\$1.85	\$23,139.80
3	STABILIZED CONSTRUCTION ROAD AND EXIT, INCLUDES INSTALLATION, MAINTENANCE AND REMOVAL OF ROAD AT THE COMPLETION OF PROJECT, COMPLETE IN PLACE	EA	2	\$2,300.00	\$4,600.00	\$1,800.00	\$3,600.00	\$3,382.00	\$6,764.00
4	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00	\$1,800.00	\$1,800.00	\$4,919.00	\$4,919.00
5	STAGE I INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	14	\$75.00	\$1,050.00	\$18.00	\$252.00	\$96.50	\$1,351.00
6	STAGE II INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	14	\$55.00	\$770.00	\$8.00	\$112.00	\$96.50	\$1,351.00
7	AS BUILT SURVEY OF DRAINAGE CHANNEL, BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00
8	AS BUILT SURVEY OF FILL AREAS, BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00
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	\$7,000.00	\$70,000.00	\$11,000.00	\$110,000.00	\$7,451.00	\$74,510.00
10	UTILITY SPOILS FROM MCCORMACK/GOLD STAR TRACT TO FILL AREA 1, INCLUDES HAULING A MAX HAUL DISTANCE OF APPROXIMATELY 1.60 MILES, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$5,000.00	\$5,000.00	\$17,770.00	\$17,770.00
11	UTILITY SPOILS FROM MINERO TRACT TO FILL AREA 1, INCLUDES HAULING A MAX HAUL DISTANCE OF APPROXIMATELY 2.50 MILES, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$5,000.00	\$5,000.00	\$2,471.00	\$2,471.00
12	UTILITY SPOILS FROM WEISS TRACT TO FILL AREA 1, INCLUDES HAULING A MAX HAUL DISTANCE OF APPROXIMATELY 2.75 MILES, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$5,000.00	\$5,000.00	\$45,080.00	\$45,080.00
13	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	485	\$9.00	\$4,365.00	\$4.88	\$2,366.80	\$18.50	\$8,972.50
14	CONSTRUCTION STAKING FOR CONSTRUCTION AS PER THE CONTRACTOR BY KYLE KACAL, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$52,200.00	\$52,200.00	\$52,200.00	\$52,200.00	\$52,200.00	\$52,200.00
15	DEWATERING OF STORM PIPES AND CULVERTS (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	100	\$15.00	\$1,500.00	\$20.00	\$2,000.00	\$30.75	\$3,075.00
16	CONCRETE TRUCK WASHOUT, INCLUDES INSTALLATION, MAINTENANCE, & REMOVAL, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$800.00	\$800.00	\$1,845.00	\$1,845.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$182,997.80		\$227,392.80		\$263,985.80

ALTERNATES

BID TABULATION FOR:

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

CONSTRUCTION OF THE PHASE 1 OFF-SITE DRAINAGE CHANNEL & APPURTENANCES
 TO SERVE JUBILEE
 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
 2542-1901 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) EARTH BUILDERS, L.P.		2) HURTADO CONSTRUCTION COMPANY		3) MILLIS EQUIPMENT LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	ADD OR DEDUCT FOR EMBANKMENT OF EXCAVATION WITHIN MCCORMACK/GOLD STAR PROPERTY ON SITE, INCLUDES STRIPPING, STOCKPILING OF EXCAVATION & STRIPPINGS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	CY	107784	-\$1.00	-\$107,784.00	\$18.00	\$1,940,112.00	-\$1.39	-\$149,819.76
2	ADD OR DEDUCT FOR EMBANKMENT OF EXCAVATION WITHIN MINERO PROPERTY ON SITE, INCLUDES STRIPPING, STOCKPILING OF EXCAVATION & STRIPPINGS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	CY	82903	-\$2.00	-\$165,806.00	\$18.00	\$1,492,254.00	-\$3.00	-\$248,709.00
3	ADD OR DEDUCT FOR EMBANKMENT OF EXCAVATION WITHIN WEISS PROPERTY ON SITE, INCLUDES STRIPPING, STOCKPILING OF EXCAVATION & STRIPPINGS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	CY	7523	-\$2.80	-\$21,064.40	\$18.00	\$135,414.00	-\$3.50	-\$26,330.50
4	ADD OR DEDUCT FOR EMBANKMENT OF UTILITY SPOILS WITHIN MCCORMACK/GOLD STAR PROPERTY ON SITE, INCLUDES STRIPPING, STOCKPILING OF EXCAVATION & STRIPPINGS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LS	1	-\$100.00	-\$100.00	\$10,000.00	\$10,000.00	-\$7,000.00	-\$7,000.00
5	ADD OR DEDUCT FOR EMBANKMENT OF UTILITY SPOILS WITHIN MINERO PROPERTY ON SITE, INCLUDES STRIPPING, STOCKPILING OF EXCAVATION & STRIPPINGS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LS	1	-\$100.00	-\$100.00	\$10,000.00	\$10,000.00	-\$1,000.00	-\$1,000.00
6	ADD OR DEDUCT FOR EMBANKMENT OF UTILITY SPOILS WITHIN WEISS PROPERTY ON SITE, INCLUDES STRIPPING, STOCKPILING OF EXCAVATION & STRIPPINGS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LS	1	-\$100.00	-\$100.00	\$10,000.00	\$10,000.00	-\$20,000.00	-\$20,000.00
ALTERNATES SUBTOTAL:					-\$294,954.40		\$3,597,780.00		-\$452,859.26
<u>BIDDING SUMMARY</u>									
SUBTOTAL DRAINAGE CHANNEL ITEMS					\$1,144,582.90		\$1,435,458.62		\$1,418,980.66
SUBTOTAL DRAINAGE ITEMS FOR CHANNEL					\$321,012.00		\$345,484.76		\$331,849.25
SUBTOTAL DRAINAGE ITEMS FOR UNION PACIFIC RAILROAD CROSSING					\$1,099,605.00		\$1,598,396.32		\$1,725,616.50
SUBTOTAL DRAINAGE ITEMS FOR JACK ROAD CROSSING					\$803,587.00		\$778,200.00		\$986,410.15
SUBTOTAL PAVING ITEMS FOR JACK ROAD CROSSING					\$182,920.00		\$229,971.52		\$178,260.45
SUBTOTAL MISCELLANEOUS ITEMS					\$182,997.80		\$227,392.80		\$263,985.80
TOTAL AMOUNT BASE BID					\$3,734,704.70		\$4,614,904.02		\$4,905,102.81
<u>ALTERNATES</u>									
TOTAL AMOUNT BASE BID					\$3,734,704.70		\$4,614,904.02		\$4,905,102.81
SUBTOTAL ALTERNATES					-\$294,954.40		\$3,597,780.00		-\$452,859.26
TOTAL AMOUNT INCLUDING ALTERNATES					\$3,439,750.30		\$8,212,684.02		\$4,452,243.55

BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 OFF-SITE DRAINAGE CHANNEL & APPURTENANCES
 TO SERVE JUBILEE
 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
 2542-1901 (9.2)

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

4) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
DRAINAGE CHANNEL ITEMS					
1	PHASE I OFF-SITE CHANNEL EXCAVATION, INCLUDES FINAL GRADING, STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	211530	\$1.50	\$317,295.00
2	EMBANKMENT OF FILL AREA 1 PER FILL EXHIBIT FROM MCCORMACK/GOLD STAR PROPERTY, INCLUDES HAULING A MAX HAUL DISTANCE OF APPROXIMATELY 1.60 MILES, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	107784	\$5.00	\$538,920.00
3	EMBANKMENT OF FILL AREA 1 PER FILL EXHIBIT FROM MINERO PROPERTY, INCLUDES HAULING A MAX HAUL DISTANCE OF 2.50 MILES, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	82903	\$6.00	\$497,418.00
4	EMBANKMENT OF FILL AREA 1 PER FILL EXHIBIT FROM WEISS PROPERTY, INCLUDES HAULING A MAX HAUL DISTANCE OF 2.75 MILES, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES IN FILL AREA AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	7523	\$6.00	\$45,138.00
5	EMBANKMENT WITHIN MINERO PROPERTY NORTH OF JACK ROAD, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	6796	\$4.00	\$27,184.00
6	EMBANKMENT WITHIN WEISS PROPERTY SOUTH OF JACK ROAD, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	1350	\$4.00	\$5,400.00
7	EMBANKMENT WITHIN JACK ROAD ROW TO RAISE ROAD, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	2325	\$4.00	\$9,300.00
8	EMBANKMENT OF CLAY BERM ON NORTH SIDE OF CHANNEL ALONG EAST TO WEST STRETCH OF CHANNEL IN MCCORMACK/GOLD STAR'S PROPERTY, MIN. 22 PI AS REQUIRED BY GEOTECHNICAL RECOMMENDATIONS, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES, COMPLETE IN PLACE	CY	935	\$6.00	\$5,610.00
9	EMBANKMENT OF CLAY BERM ON EAST SIDE OF DRAINAGE CHANNEL ALONG EXISTING LAKE ON NORTH CORNER OF MINERO PROPERTY, MIN. 22 PI AS REQUIRED BY GEOTECHNICAL RECOMMENDATIONS, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILE STRIPPINGS, AND MUCKING EXISTING DITCHES AND LAKE AS NECESSARY, COMPLETE IN PLACE	CY	957	\$6.00	\$5,742.00
10	HYDROMULCH SEEDING OF PHASE I OFF-SITE CHANNEL FROM EDGE OF HIGH BANK TO EDGE OF OPPOSITE HIGH BANK, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENEOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	15	\$1,000.00	\$15,000.00
11	HYDROMULCH SEEDING OF BERM ALONG NORTH SIDE OF CHANNEL, FROM TOE TO OPPOSITE TOE, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENEOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	10	\$1,000.00	\$10,000.00

BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 OFF-SITE DRAINAGE CHANNEL & APPURTENANCES
 TO SERVE JUBILEE
 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
 2542-1901 (9.2)

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

4) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
12	HYDROMULCH SEEDING OF BERM ON EAST SIDE OF DRAINAGE CHANNEL ALONG EXISTING LAKE ON NORTH CORNER OF MINERO PROPERTY, FROM TOE TO OPPOSITE TOE, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENEOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	1	\$1,000.00	\$1,000.00
13	BROADCAST SEEDING OF FILL AREA 1, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENEOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	60	\$350.00	\$21,000.00
14	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF CHANNEL, 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	10	\$4,000.00	\$40,000.00
15	SURFACE WATER CONTROL INCLUDES PUMPING REQUIRED TO CONSTRUCT CHANNEL AND COMPLETE ENTIRE PROJECT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LS	1	\$50,000.00	\$50,000.00

DRAINAGE CHANNEL ITEMS SUBTOTAL:

\$1,589,007.00

DRAINAGE ITEMS FOR CHANNEL

1	24-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	82	\$80.00	\$6,560.00
2	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$5,000.00	\$5,000.00
3	EXCAVATION OF INTERCEPTOR SWALES (1 FOOT MIN. DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	6105	\$3.50	\$21,367.50
4	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	8	\$12,000.00	\$96,000.00
5	HARRIS COUNTY FLOOD CONTROL DISTRICT MODIFIED INTERCEPTOR STRUCTURE, INCLUDES 42" CGMP, SLOPE PAVING, RIP RAP, AND DAYLIGHTING SWALE FROM OUTFALL TO DETENTION POND PILOT CHANNEL, COMPLETE IN PLACE	EA	4	\$15,000.00	\$60,000.00
6	4" REINFORCED CONCRETE SLOPE PAVING, INCLUDES 2 FOOT TOE WALL ON ALL SIDES, COMPLETE IN PLACE	SY	1133	\$95.00	\$107,635.00
7	RIP RAP (18-INCH THICKNESS) GRADATION NO. 1, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	704	\$100.00	\$70,400.00
8	TRENCH SAFETY, COMPLETE IN PLACE	LF	82	\$0.10	\$8.20

DRAINAGE ITEMS FOR CHANNEL SUBTOTAL:

\$366,970.70

DRAINAGE ITEMS FOR UNION PACIFIC RAILROAD CROSSING

1	10' X 7' RCB, STORM BOX CULVERT, COOPER E80 LOADING, ALL DEPTHS, AS PER STRUCTURAL DETAILS, INCLUDES SCORING OF PIPE, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LF	720	\$1,750.00	\$1,260,000.00
2	4" REINFORCED CONCRETE SLOPE PAVING, INCLUDES 2 FOOT TOE WALL ON ALL SIDES, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	369	\$95.00	\$35,055.00

BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 OFF-SITE DRAINAGE CHANNEL & APPURTENANCES
 TO SERVE JUBILEE
 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
 2542-1901 (9.2)

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

4) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
3	RIP RAP (18-INCH THICKNESS) GRADATION NO. 1, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	132	\$100.00	\$13,200.00
4	WINGWALL STRUCTURE AS PER PLANS AND STRUCTURAL DETAILS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	EA	2	\$80,000.00	\$160,000.00
5	TRENCH SAFETY, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LF	720	\$1.00	\$720.00
6	ADDITIONAL INSURANCE AS REQUIRED BY UNION PACIFIC AGREEMENT (EXHIBIT C), AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LS	1	\$50,000.00	\$50,000.00
7	FLAGGERS AS REQUIRED BY UNION PACIFIC AGREEMENT (EXHIBIT C), AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	DAY	5	\$3,000.00	\$15,000.00
DRAINAGE ITEMS FOR UNION PACIFIC RAILROAD CROSSING SUBTOTAL:					\$1,533,975.00
DRAINAGE ITEMS FOR JACK ROAD CROSSING					
1	24-INCH RCP, STRM SEWER, ASTM C-76, CLASS III ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	371	\$80.00	\$29,680.00
2	10' X 7' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LF	606	\$1,150.00	\$696,900.00
3	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, BUILT ON TOP OF RCB BEND, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	4	\$5,000.00	\$20,000.00
4	STANDARD TYPE "A" GRATE INLET, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	2	\$4,500.00	\$9,000.00
5	45 DEGREE BEND FOR 10' X 7' RCB STORM BOX CULVERT, COMPLETE IN PLACE	EA	4	\$1,200.00	\$4,800.00
6	4" REINFORCED CONCRETE SLOPE PAVING, INCLUDES 2 FOOT TOE WALL ON ALL SIDES, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	327	\$95.00	\$31,065.00
7	RIP RAP (18-INCH THICKNESS) GRADATION NO. 1, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	SY	128	\$100.00	\$12,800.00
8	WINGWALL STRUCTURE AS PER PLANS AND STRUCTURAL DETAILS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	EA	2	\$80,000.00	\$160,000.00
9	TRENCH SAFETY, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LF	977	\$0.10	\$97.70
DRAINAGE ITEMS FOR JACK ROAD CROSSING SUBTOTAL:					\$964,342.70
PAVING ITEMS FOR JACK ROAD CROSSING					
1	3" HOT MIX ASPHALT CONCRETE TRANSITION, COMPLETE IN PLACE	SY	1533	\$40.00	\$61,320.00
2	8" HOT MIX ASPHALT BLACK BASE, COMPLETE IN PLACE	SY	1533	\$80.00	\$122,640.00
3	6" LIME/FLYASH STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	1789	\$5.00	\$8,945.00
4	HYDRATED LIME FOR STABILIZED SUB-GRADE (3% BY WEIGHT) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	14	\$300.00	\$4,200.00
5	FLY ASH FOR STABILIZED SUB-GRADE (7% BY WEIGHT) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	34	\$120.00	\$4,080.00

BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 OFF-SITE DRAINAGE CHANNEL & APPURTENANCES
 TO SERVE JUBILEE
 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
 2542-1901 (9.2)

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

4) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
6	REMOVE AND DISPOSE OF EXISTING JACK ROAD, INCLUDES SAWCUT TO FULL DEPTH, COMPLETE IN PLACE	SY	1533	\$12.00	\$18,396.00
7	REGRADE ROADSIDE DITCHES, COMPLETE IN PLACE	LF	957	\$5.00	\$4,785.00
PAVING ITEMS FOR JACK ROAD CROSSING SUBTOTAL:					\$224,366.00
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
2	REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	12508	\$1.50	\$18,762.00
3	STABILIZED CONSTRUCTION ROAD AND EXIT, INCLUDES INSTALLATION, MAINTENANCE AND REMOVAL OF ROAD AT THE COMPLETION OF PROJECT, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00
4	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00
5	STAGE I INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	14	\$50.00	\$700.00
6	STAGE II INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	14	\$50.00	\$700.00
7	AS BUILT SURVEY OF DRAINAGE CHANNEL, BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$12,500.00	\$12,500.00
8	AS BUILT SURVEY OF FILL AREAS, BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$6,500.00	\$6,500.00
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	\$7,000.00	\$70,000.00
10	UTILITY SPOILS FROM MCCORMACK/GOLD STAR TRACT TO FILL AREA 1, INCLUDES HAULING A MAX HAUL DISTANCE OF APPROXIMATELY 1.60 MILES, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00
11	UTILITY SPOILS FROM MINERO TRACT TO FILL AREA 1, INCLUDES HAULING A MAX HAUL DISTANCE OF APPROXIMATELY 2.50 MILES, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00
12	UTILITY SPOILS FROM WEISS TRACT TO FILL AREA 1, INCLUDES HAULING A MAX HAUL DISTANCE OF APPROXIMATELY 2.75 MILES, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00
13	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	485	\$15.00	\$7,275.00
14	CONSTRUCTION STAKING FOR CONSTRUCTION AS PER THE CONTRACTOR BY KYLE KACAL, GBI SURVEYING, 281.499.4539, COMPLETE IN PLACE	LS	1	\$52,200.00	\$52,200.00
15	DEWATERING OF STORM PIPES AND CULVERTS (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	100	\$30.00	\$3,000.00
16	CONCRETE TRUCK WASHOUT, INCLUDES INSTALLATION, MAINTENANCE, & REMOVAL, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$270,637.00

ALTERNATES

BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 OFF-SITE DRAINAGE CHANNEL & APPURTENANCES
TO SERVE JUBILEE
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
2542-1901 (9.2)

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

4) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	ADD OR DEDUCT FOR EMBANKMENT OF EXCAVATION WITHIN MCCORMACK/GOLD STAR PROPERTY ON SITE, INCLUDES STRIPPING, STOCKPILING OF EXCAVATION & STRIPPINGS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	CY	107784	\$5.00	\$538,920.00
2	ADD OR DEDUCT FOR EMBANKMENT OF EXCAVATION WITHIN MINERO PROPERTY ON SITE, INCLUDES STRIPPING, STOCKPILING OF EXCAVATION & STRIPPINGS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	CY	82903	\$6.00	\$497,418.00
3	ADD OR DEDUCT FOR EMBANKMENT OF EXCAVATION WITHIN WEISS PROPERTY ON SITE, INCLUDES STRIPPING, STOCKPILING OF EXCAVATION & STRIPPINGS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	CY	7523	\$6.00	\$45,138.00
4	ADD OR DEDUCT FOR EMBANKMENT OF UTILITY SPOILS WITHIN MCCORMACK/GOLD STAR PROPERTY ON SITE, INCLUDES STRIPPING, STOCKPILING OF EXCAVATION & STRIPPINGS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00
5	ADD OR DEDUCT FOR EMBANKMENT OF UTILITY SPOILS WITHIN MINERO PROPERTY ON SITE, INCLUDES STRIPPING, STOCKPILING OF EXCAVATION & STRIPPINGS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00
6	ADD OR DEDUCT FOR EMBANKMENT OF UTILITY SPOILS WITHIN WEISS PROPERTY ON SITE, INCLUDES STRIPPING, STOCKPILING OF EXCAVATION & STRIPPINGS, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00

ALTERNATES SUBTOTAL: **\$1,171,476.00**

BIDDING SUMMARY

SUBTOTAL DRAINAGE CHANNEL ITEMS	\$1,589,007.00
SUBTOTAL DRAINAGE ITEMS FOR CHANNEL	\$366,970.70
SUBTOTAL DRAINAGE ITEMS FOR UNION PACIFIC RAILROAD CROSSING	\$1,533,975.00
SUBTOTAL DRAINAGE ITEMS FOR JACK ROAD CROSSING	\$964,342.70
SUBTOTAL PAVING ITEMS FOR JACK ROAD CROSSING	\$224,366.00
SUBTOTAL MISCELLANEOUS ITEMS	\$270,637.00
TOTAL AMOUNT BASE BID	\$4,949,298.40

ALTERNATES

TOTAL AMOUNT BASE BID	\$4,949,298.40
SUBTOTAL ALTERNATES	\$1,171,476.00
TOTAL AMOUNT INCLUDING ALTERNATES	\$6,120,774.40