

BID TABULATION FOR:

CONSTRUCTION OF MASS GRADING DETENTION AND STORM SEWER & APPURTENANCES
TO SERVE JUBILEE PHASE 2
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 478
CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
JULY 19, 2024
LJA ENGINEERING, INC.
E. MURPHY
JULY 19, 2024
2542-2308 (9.2)

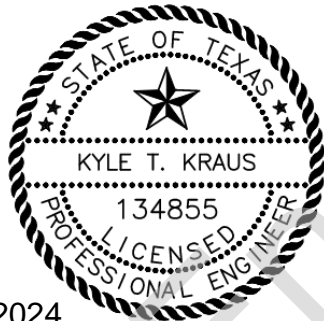
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BIDDER'S NAME	TOTAL AMOUNT BID	BID INCLUDING ALTERNATE 1	BID INCLUDING ALTERNATE 2
1) LONNIE LISCHKA COMPANY, LP	\$6,684,775.40	\$6,752,771.75	\$22,410,637.52
2) CE BARKER LTD.	\$7,121,804.65	\$7,298,304.65	\$21,190,047.10
3) RT ELLIS EXCAVATING INC	\$7,149,234.51	\$7,164,234.51	\$17,011,215.67
4) R CONSTRUCTION CIVIL, LLC	\$7,581,870.20	\$7,599,870.20	\$20,812,461.35
5) EARTH BUILDERS, L.P.	\$9,148,818.00	\$9,123,818.00	\$20,859,213.00
6) LONGHORN EXCAVATORS, INC.	\$9,295,690.00	\$9,255,475.00	\$22,489,061.62

CALENDAR DAYS Fill Area 1-30/160, Fill Area 3-60/160, Fill Area 2-140/160



07/22/2024



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

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ITEM	DESCRIPTION	UNIT	QTY	1) LONNIE LISCHKA COMPANY, LP		2) CE BARKER LTD.		3) RT ELLIS EXCAVATING INC		
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
JUBILEE PHASE 2 MASS GRADING ITEMS										
1	EXCAVATION OF FILL AREA 1, FILL AREA 2, AND FILL AREA 3, INCLUDES RIGHT OF WAY SWALES, FINAL GRADING OF RIGHT OF WAY SWALES, STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	27360	\$4.28	\$117,100.80	\$3.00	\$82,080.00	\$3.24	\$88,646.40	
2	EMBANKMENT OF FILL AREA 1, INCLUDES EXCAVATION OF PROPOSED PONDS, HAULING A DISTANCE OF 0'-2,200', COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILING OF STRIPPINGS, AND MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	129950	\$4.28	\$556,186.00	\$4.05	\$526,297.50	\$3.24	\$421,038.00	
3	EMBANKMENT OF FILL AREA 2, INCLUDES EXCAVATION OF PROPOSED PONDS, HAULING A DISTANCE OF 0'-2,800', COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILING OF STRIPPINGS, AND MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	76481	\$4.28	\$327,338.68	\$4.05	\$309,748.05	\$3.24	\$247,798.44	
4	EMBANKMENT OF FILL AREA 3, INCLUDES EXCAVATION OF PROPOSED PONDS, HAULING A DISTANCE OF 0'-2,000', COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILING OF STRIPPINGS, AND MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	115880	\$4.28	\$495,966.40	\$3.80	\$440,344.00	\$3.24	\$375,451.20	
5	TURF ESTABLISHMENT OF PONDS C1, C2, A3.2, A3.4 FROM EDGE OF FUTURE ROW OR DRAINAGE RESERVE TO 1 FOOT BELOW NORMAL POOL ELEVATION, INSTALLED AS PER HARRIS COUNTY ENGINEERING SPECIFICATION ITEM 164, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	20	\$4,000.00	\$80,000.00	\$1,850.00	\$37,000.00	\$2,575.00	\$51,500.00	
6	TURF ESTABLISHMENT OF POND G0 FROM EDGE OF FUTURE ROW OR DRAINAGE RESERVE, INSTALLED AS PER HARRIS COUNTY ENGINEERING SPECIFICATION ITEM 164, INCLUDES POND BOTTOM AND PILOT CHANNEL, INCLUDES INTERCEPTOR SWALE, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	3	\$4,000.00	\$12,000.00	\$1,850.00	\$5,550.00	\$2,575.00	\$7,725.00	
7	TURF ESTABLISHMENT OF PONDS C1, C2, A3.2, A3.4 FROM 1 FOOT BELOW NORMAL POOL ELEVATION TO POND TOE, INSTALLED AS PER HARRIS COUNTY ENGINEERING SPECIFICATION ITEM 164, INCLUDES SEEDING, MOWING AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT THE PROJECT FOR FINAL PAYMENT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER)	AC	13	\$10.00	\$130.00	\$1,850.00	\$24,050.00	\$3,465.00	\$45,045.00	
8	BROADCAST SEEDING OF FILL AREAS 1, 2, AND 3, 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 THE PROJECT FOR FINAL PAYMENT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER)	AC	196	\$10.00	\$1,960.00	\$650.00	\$127,400.00	\$750.00	\$147,000.00	
9	FINAL GRADING OF INTERCEPTOR SWALE (1 FOOT MIN. DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	959	\$3.00	\$2,877.00	\$4.00	\$3,836.00	\$3.00	\$2,877.00	
10	FINAL GRADING OF PERIMETER V BOTTOM SWALE (2.5 FOOT MAX. DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	4950	\$3.00	\$14,850.00	\$4.00	\$19,800.00	\$3.00	\$14,850.00	

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ITEM	DESCRIPTION	UNIT	QTY	1) LONNIE LISCHKA COMPANY, LP		2) CE BARKER LTD.		3) RT ELLIS EXCAVATING INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS G0, C1, C2, A3.2, A3.4, 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	27	\$1.00	\$27.00	\$500.00	\$13,500.00	\$4,000.00	\$108,000.00
12	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	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00
13	2' THICK CLAY LINER FOR DETENTION PONDS C1, C2, A3.2 AND A3.4 FROM BOTTOM OF POND TO 1' ABOVE NORMAL POOL ELEVATION, MIN. 22 PI AS REQUIRED BY GEOTECHNICAL RECOMMENDATIONS, INCLUDES SCARIFYING OF IN-SITU CLAY MATERIAL TO A DEPTH OF 2 FOOT & COMPACTION, 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	59017	\$1.75	\$103,279.75	\$3.00	\$177,051.00	\$0.75	\$44,262.75
JUBILEE PHASE 2 MASS GRADING ITEMS SUBTOTAL:					\$1,731,715.63		\$1,771,656.55		\$1,564,193.79
JUBILEE PHASE 2 DRAINAGE ITEMS									
1	30-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	155	\$132.00	\$20,460.00	\$120.00	\$18,600.00	\$150.78	\$23,370.90
2	36-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	100	\$171.00	\$17,100.00	\$165.00	\$16,500.00	\$210.37	\$21,037.00
3	48-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	345	\$261.00	\$90,045.00	\$260.00	\$89,700.00	\$287.69	\$99,253.05
4	54-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	105	\$343.78	\$36,096.90	\$400.00	\$42,000.00	\$394.79	\$41,452.95
5	60-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	274	\$396.44	\$108,624.56	\$475.00	\$130,150.00	\$446.47	\$122,332.78
6	72-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	138	\$566.15	\$78,128.70	\$685.00	\$94,530.00	\$638.04	\$88,049.52
7	3' X 3' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	224	\$330.00	\$73,920.00	\$375.00	\$84,000.00	\$372.77	\$83,500.48
8	6' X 6' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	231	\$665.00	\$153,615.00	\$800.00	\$184,800.00	\$761.00	\$175,791.00
9	7' X 6' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INLCUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	257	\$780.55	\$200,601.35	\$950.00	\$244,150.00	\$891.07	\$229,004.99
10	10' X 8' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	464	\$1,303.90	\$605,009.60	\$1,650.00	\$765,600.00	\$1,521.17	\$705,822.88
11	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$8,600.00	\$8,600.00	\$9,500.00	\$9,500.00	\$9,223.85	\$9,223.85
12	TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$8,400.00	\$8,400.00	\$5,000.00	\$5,000.00	\$10,049.41	\$10,049.41
13	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	1	\$9,400.00	\$9,400.00	\$7,000.00	\$7,000.00	\$6,822.02	\$6,822.02

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14	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	6	\$10,300.00	\$61,800.00	\$8,400.00	\$50,400.00	\$10,015.41	\$60,092.46
15	STANDARD TYPE "C" MANHOLE 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	4	\$4,400.00	\$17,600.00	\$3,400.00	\$13,600.00	\$4,907.24	\$19,628.96
16	JUNCTION BOX WITH TYPE "E" INLET TOP (ALL SIDES OPEN) FOR 3' X 3' RCB STORM BOX CULVERT, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$5,300.00	\$5,300.00	\$6,500.00	\$6,500.00	\$7,016.40	\$7,016.40
17	6' X 6' DROP STRUCTURE WITH GRATE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$11,020.45	\$11,020.45	\$13,500.00	\$13,500.00	\$15,000.00	\$15,000.00
18	10' X 8' DROP STRUCTURE WITH GRATE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$16,171.60	\$32,343.20	\$25,000.00	\$50,000.00	\$55,000.00	\$110,000.00
19	STANDARD TXDOT WINGWALL STRUCTURE FOR DUAL 10' X 8' RCB STORM CULVERT (SEE SHEET 33), 5" REINFORCED SLOPE PAVING & NECESSARY HEADWALL, COMPLETE IN PLACE	EA	1	\$36,624.88	\$36,624.88	\$95,000.00	\$95,000.00	\$25,000.00	\$25,000.00
20	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	1	\$10,966.60	\$10,966.60	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
21	4" REINFORCED CONCRETE SLOPE PAVING, INCLUDES 2-FOOT TOE WALL ON ALL SIDES, COMPLETE IN PLACE	SY	1348	\$89.90	\$121,185.20	\$80.00	\$107,840.00	\$110.00	\$148,280.00
22	RIP RAP (18-INCH THICKNESS) GRADATION NO. 2, INCLUDES GEOTEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	94	\$90.00	\$8,460.00	\$100.00	\$9,400.00	\$100.00	\$9,400.00
23	TRENCH SAFETY, ALL DEPTHS, COMPLETE IN PLACE	LF	2395	\$0.10	\$239.50	\$0.10	\$239.50	\$1.20	\$2,874.00
JUBILEE PHASE 2 DRAINAGE ITEMS SUBTOTAL:					\$1,715,540.94		\$2,053,009.50		\$2,028,002.65
JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS									
1	EMBANKMENT OF FILL AREA 2 FROM POND A7 AND RETENTION CHANNEL, INCLUDES EXCAVATION, HAULING A DISTANCE OF 7,250'-9,700', FINAL GRADING OF PONDS, STRIPPING, STOCKPILING OF STRIPPINGS, MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	83080	\$5.28	\$438,662.40	\$5.00	\$415,400.00	\$6.25	\$519,250.00
2	EMBANKMENT OF FILL AREA 2 FROM RETENTION CHANNEL, INCLUDES EXCAVATION, HAULING A DISTANCE OF 2,800'-5,430', FINAL GRADING OF CHANNEL, STRIPPING, STOCKPILING OF STRIPPINGS, MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	105130	\$5.28	\$555,086.40	\$4.50	\$473,085.00	\$4.24	\$445,751.20
3	EMBANKMENT OF FILL AREA 2 FROM RETENTION CHANNEL, INCLUDES EXCAVATION, HAULING A DISTANCE OF 5,700'-8,150', FINAL GRADING OF CHANNEL, STRIPPING, STOCKPILING OF STRIPPINGS, MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	112600	\$5.28	\$594,528.00	\$5.25	\$591,150.00	\$5.25	\$591,150.00
4	EMBANKMENT OF POND A7 BERMS, INCLUDES EXCAVATION OF POND A7, HAULING, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILING OF STRIPPINGS, AND MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	10320	\$4.28	\$44,169.60	\$3.20	\$33,024.00	\$3.50	\$36,120.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5	TURF ESTABLISHMENT OF POND A7 AND RETENTION CHANNEL FROM EDGE OF DRAINAGE EASEMENT TO OPPOSITE EDGE OF DRAINAGE EASEMENT, INSTALLED AS PER HARRIS COUNTY ENGINEERING SPECIFICATION ITEM 164, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	38	\$4,000.00	\$152,000.00	\$1,850.00	\$70,300.00	\$2,575.00	\$97,850.00
6	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF POND A7 AND RETENTION 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	30	\$1.00	\$30.00	\$500.00	\$15,000.00	\$4,000.00	\$120,000.00
7	8" CRUSHED CONCRETE ALL WEATHER ACCESS ROAD, INCLUDES 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, COMPLETE IN PLACE	SY	716	\$31.65	\$22,661.40	\$50.00	\$35,800.00	\$33.47	\$23,964.52
JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS SUBTOTAL:					\$1,807,137.80		\$1,633,759.00		\$1,834,085.72
JUBILEE PHASE 2 RETENTION CHANNEL DRAINAGE ITEMS									
1	24-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	88	\$111.00	\$9,768.00	\$105.00	\$9,240.00	\$146.42	\$12,884.96
2	42-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	266	\$233.00	\$61,978.00	\$250.00	\$66,500.00	\$283.50	\$75,411.00
3	8' X 8' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	180	\$983.56	\$177,040.80	\$1,150.00	\$207,000.00	\$1,144.75	\$206,055.00
4	10' X 8' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	100	\$1,303.90	\$130,390.00	\$1,650.00	\$165,000.00	\$1,521.17	\$152,117.00
5	10' X 10' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	46	\$1,462.00	\$67,252.00	\$1,800.00	\$82,800.00	\$1,718.84	\$79,066.64
6	JUNCTION BOX (SEE SHEET 34) ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$117,500.00	\$117,500.00	\$85,000.00	\$85,000.00	\$35,000.00	\$35,000.00
7	JUNCTION BOX WITH TYPE "E" INLET TOP (ALL SIDES OPEN) FOR 10' X 10' EXIST. RCB STORM BOX CULVERT, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$6,700.00	\$6,700.00	\$6,000.00	\$6,000.00	\$28,579.17	\$28,579.17
8	JUNCTION BOX WITH TYPE "C" M.H. TOP (ALL SIDES OPEN) FOR 24" RCP STORM SEWER, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$6,700.00	\$6,700.00	\$6,100.00	\$6,100.00	\$7,176.47	\$7,176.47
9	INSTALLATION OF 24" SLUICE GATE WITHIN JUNCTION BOX, MANUFACTURER TO BE WATERMAN OF APPROVED EQUAL, CONTRACTOR REQUIRED TO PROVIDE SHOP DRAWINGS TO ENGINEER FOR APPROVAL, COMPLETE IN PLACE	EA	1	\$15,400.00	\$15,400.00	\$15,000.00	\$15,000.00	\$21,216.45	\$21,216.45
10	STANDARD HARRIS COUNTY FLOATABLE COLLECTION SCREEN FOR 24" RCP STORM SEWER AS PER DETAIL ON SHEET 47, COMPLETE IN PLACE	EA	1	\$10,340.00	\$10,340.00	\$35,000.00	\$35,000.00	\$7,500.00	\$7,500.00
11	CONTRACTOR TO CONNECT EXISTING 10' X 10' RCB TO PROPOSED 10' X 10' RCB, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,200.00	\$2,200.00	\$10,000.00	\$10,000.00	\$5,928.12	\$5,928.12
12	MODIFIED TXDOT WINGWALL STRUCTURE FOR 42" RCP & 10' X 10' RCB STORM CULVERT (SEE SHEET 35), 5" REINFORCED SLOPE PAVING & NECESSARY HEADWALL AND WEIR WALL AS PER STRUCTURAL DETAIL ON SHEET 45, COMPLETE IN PLACE	EA	1	\$60,813.00	\$60,813.00	\$60,000.00	\$60,000.00	\$55,000.00	\$55,000.00

BID TABULATION FOR:

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

CONSTRUCTION OF MASS GRADING DETENTION AND STORM SEWER & APPURTENANCES
 TO SERVE JUBILEE PHASE 2
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 478
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JULY 19, 2024
 LJA ENGINEERING, INC.
 E. MURPHY
 JULY 19, 2024
 2542-2308 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) LONNIE LISCHKA COMPANY, LP		2) CE BARKER LTD.		3) RT ELLIS EXCAVATING INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
13	STANDARD TXDOT WINGWALL STRUCTURE FOR 3 - 8' X 8' RCB STORM CULVERT (SEE SHEET 34), 5" REINFORCED SLOPE PAVING & NECESSARY HEADWALL, COMPLETE IN PLACE	EA	1	\$66,521.33	\$66,521.33	\$115,000.00	\$115,000.00	\$45,000.00	\$45,000.00
14	4" REINFORCED CONCRETE SLOPE PAVING, INCLUDES 2 FOOT TOE WALL ON ALL SIDES, COMPLETE IN PLACE	SY	1580	\$89.90	\$142,042.00	\$95.00	\$150,100.00	\$110.00	\$173,800.00
15	RIP RAP (18-INCH THICKNESS) GRADATION NO. 2, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	697	\$85.00	\$59,245.00	\$90.00	\$62,730.00	\$110.00	\$76,670.00
16	TRENCH SAFETY, ALL DEPTHS, COMPLETE IN PLACE	LF	616	\$0.10	\$61.60	\$0.10	\$61.60	\$1.20	\$739.20
JUBILEE PHASE 2 RETENTION CHANNEL DRAINAGE ITEMS SUBTOTAL:					\$933,951.73		\$1,075,531.60		\$982,144.01
JUBILEE PHASE 2 CLEARING & DEMOLITION ITEMS									
1	CLEARING AND GRUBBING, INCLUDES HAULING CLEARING AND GRUBBING DEBRIS OFFSITE (TO BE USED ONLY AT WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	17	\$13,200.00	\$224,400.00	\$7,500.00	\$127,500.00	\$7,800.00	\$132,600.00
2	REMOVE AND DISPOSE OF EXISTING ROCK FILTER DAM, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
3	REMOVE AND DISPOSE OF EXISTING CRUSHED CONCRETE, COMPLETE IN PLACE	SY	628	\$2.00	\$1,256.00	\$10.00	\$6,280.00	\$15.00	\$9,420.00
4	REMOVE AND DISPOSE OF EXISTING FLOATABLES COLLECTION SCREEN, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00
5	REMOVE AND DISPOSE OF EXISTING ACCESS ROAD, COMPLETE IN PLACE	SY	2249	\$2.00	\$4,498.00	\$10.00	\$22,490.00	\$10.00	\$22,490.00
6	REMOVE AND DISPOSE OF RIP RAP, COMPLETE IN PLACE	SY	159	\$35.00	\$5,565.00	\$10.00	\$1,590.00	\$55.00	\$8,745.00
7	REMOVE AND DISPOSE OF EXISTING 4" REINFORCED CONCRETE SLOPE PAVING, COMPLETE IN PLACE	SY	112	\$10.00	\$1,120.00	\$25.00	\$2,800.00	\$60.00	\$6,720.00
8	REMOVE AND DISPOSE OF EXISTING RCP, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	63	\$7.00	\$441.00	\$100.00	\$6,300.00	\$75.00	\$4,725.00
9	REMOVE AND DISPOSE OF EXISTING STEEL PLATES ON EXISTING 10' X 10' RCB, COMPLETE IN PLACE	LS	1	\$250.00	\$250.00	\$2,500.00	\$2,500.00	\$1,500.00	\$1,500.00
JUBILEE PHASE 2 CLEARING & DEMOLITION ITEMS SUBTOTAL:					\$238,630.00		\$172,960.00		\$190,200.00
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	\$30.00	\$1,500.00	\$30.00	\$1,500.00
2	CRUSHED STONE SUPPORT FOR MANHOLE IN UNSTABLE SUBGRADE (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$50.00	\$50.00	\$500.00	\$500.00	\$50.00	\$50.00
3	WET SAND BEDDING FOR UNSTABLE SUBGRADE FOR STORM SEWER AS PER CITY OF HOUSTON DRAWING NO. 02317-02 AND 02317-07 (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$5.00	\$500.00	\$5.00	\$500.00	\$5.00	\$500.00
4	OVER EXCAVATION OF FILL & POND AREAS GREATER THAN 1 FOOT OF DEPTH TO ACHIEVE PROOFROOL, QUANTITY AND AREA OF OVER EXCAVATION TO BE VERIFIED BY GEOTECHNICAL ENGINEER, (TO BE USED ONLY AT WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	150000	\$0.01	\$1,500.00	\$1.00	\$150,000.00	\$2.00	\$300,000.00
5	REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	500	\$1.50	\$750.00	\$2.00	\$1,000.00	\$1.50	\$750.00
6	CONSTRUCT, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT	EA	1	\$3,000.00	\$3,000.00	\$2,200.00	\$2,200.00	\$2,500.00	\$2,500.00

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 TO SERVE JUBILEE PHASE 2
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 478
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JULY 19, 2024
 LJA ENGINEERING, INC.
 E. MURPHY
 JULY 19, 2024
 2542-2308 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) LONNIE LISCHKA COMPANY, LP		2) CE BARKER LTD.		3) RT ELLIS EXCAVATING INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
7	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, INCLUDES CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00	\$3,500.00	\$3,500.00
8	STAGE I INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	16	\$150.00	\$2,400.00	\$25.00	\$400.00	\$150.00	\$2,400.00
9	STAGE II INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	16	\$150.00	\$2,400.00	\$25.00	\$400.00	\$300.00	\$4,800.00
10	AS-BUILT SURVEY OF FILL AREAS 1, 2 AND 3 (DOES NOT INCLUDE POND AREAS), BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 713.995.1306. COMPLETE IN PLACE, GRID SPACING SHALL BE 100-FT MAXIMUM, INCLUDES ALL HIGH BANK, BACK OF LOTS, GRADE BREAKS, FLOWLINES AND GRADING FEATURES IN A 3D CAD FILE FORMAT, COMPLETE IN PLACE	LS	1	\$33,000.00	\$33,000.00	\$33,000.00	\$33,000.00	\$33,000.00	\$33,000.00
11	AS-BUILT SURVEY OF PONDS G0, C1, C2, C3.2, C3.4, A7 AND RETENTION CHANNEL, BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 713.995.1306. COMPLETE IN PLACE, INCLUDES BUT NOT LIMITED TO HIGH BANK, POND BENCH, POND TOE, CULVERT FLOWLINE, PILOT CHANNEL FLOWLINE, OUTFALL FLOWLINE, GRADE BREAKS, MANHOLE RIM & FLOWLINES, COMPLETE IN PLACE	LS	1	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00
12	WOOD MATS AT ALL EXISTING MONUMENT ENERGY PIPELINE CROSSINGS, COMPLETE IN PLACE	LS	1	\$22,400.00	\$22,400.00	\$14,000.00	\$14,000.00	\$15,000.00	\$15,000.00
13	UTILITY SPOILS, COMPACTED TO 95% STANDARD PROCTOR DENSITY, TO BE USED ON-SITE, INCLUDES HAULING, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	LS	1	\$20,520.00	\$20,520.00	\$10,000.00	\$10,000.00	\$2,500.00	\$2,500.00
14	12" PVC CASING FOR FUTURE 8" WATER LINE, AWWA C-900, DR-18, CLASS 235, ALL DEPTHS, INCLUDES FITTINGS, COMPLETE IN PLACE	LF	35	\$25.00	\$875.00	\$90.00	\$3,150.00	\$218.40	\$7,644.00
15	20" PVC CASING FOR FUTURE 12" WATER LINE, AWWA C-900, DR-18, CLASS 235, ALL DEPTHS, INCLUDES FITTINGS, COMPLETE IN PLACE	LF	45	\$40.00	\$1,800.00	\$180.00	\$8,100.00	\$343.20	\$15,444.00
16	TRENCH SAFETY FOR CASING PIPES, COMPLETE IN PLACE	LF	80	\$0.10	\$8.00	\$0.10	\$8.00	\$1.26	\$100.80
17	CONSTRUCTION STAKING FOR CONSTRUCTION BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 713.995.1306. COMPLETE IN PLACE	LS	1	\$66,650.00	\$66,650.00	\$66,650.00	\$66,650.00	\$66,650.00	\$66,650.00
18	TYPE II ROCK FILTER DAM, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$3,500.00	\$3,500.00
19	REMOVE EXISITING CRUSHED CONCRETE ACCESS ROAD, COMPLETE IN PLACE	SY	188	\$2.00	\$376.00	\$10.00	\$1,880.00	\$15.00	\$2,820.00
20	8" CRUSHED CONCRETE ALL WEATHER ACCESS ROAD, INCLUDES 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, COMPLETE IN PLACE	SY	1582	\$31.65	\$50,070.30	\$50.00	\$79,100.00	\$33.47	\$52,949.54
21	ALLOWANCE FOR RILLING EROSION REPAIRS ALONG POND SLOPES, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	AC	10	\$2,000.00	\$20,000.00	\$1,500.00	\$15,000.00	\$1,000.00	\$10,000.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$257,799.30		\$414,888.00		\$550,608.34
ALTERNATE 1									
1	MODIFIED TXDOT WINGWALL STRUCTURE FOR 6' X 6' RCB STORM CULVERT, 5" REINFORCED SLOPE PAVING & NECESSARY HEADWALL AND WEIR WALL AS PER STRUCTURAL DETAIL ON SHEET 45, IN LIEU OF JUBILEE PHASE II DRAINAGE ITEM NO. 17, COMPLETE IN PLACE	EA	1	\$52,400.00	\$52,400.00	\$85,000.00	\$85,000.00	\$55,000.00	\$55,000.00
2	MODIFIED TXDOT WINGWALL STRUCTURE FOR 10' X 8' RCB STORM CULVERT, 5" REINFORCED SLOPE PAVING & NECESSARY HEADWALL AND WEIR WALL AS PER STRUCTURAL DETAIL ON SHEET 45, IN LIEU OF JUBILEE PHASE II DRAINAGE ITEM NO. 18, COMPLETE IN PLACE	EA	1	\$58,960.00	\$58,960.00	\$155,000.00	\$155,000.00	\$85,000.00	\$85,000.00
ALTERNATE 1 SUBTOTAL:					\$111,360.00		\$240,000.00		\$140,000.00

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 TO SERVE JUBILEE PHASE 2
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 478
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JULY 19, 2024
 LJA ENGINEERING, INC.
 E. MURPHY
 JULY 19, 2024
 2542-2308 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) LONNIE LISCHKA COMPANY, LP		2) CE BARKER LTD.		3) RT ELLIS EXCAVATING INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
ALTERNATE 2									
1	HAUL OFF-SITE AND DISPOSE OF MATERIAL GENERATED FROM EXCAVATION OF PROPOSED PONDS C1, C2, A3.2, A3.4, & G0, INCLUDES EXCAVATION & HAULING, TO BE USED IN LIEU OF JUBILEE PHASE 2 MASS GRADING ITEMS NO. 2, 3, & 4, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	322311	\$30.00	\$9,669,330.00	\$27.00	\$8,702,397.00	\$20.00	\$6,446,220.00
2	HAUL OFF-SITE AND DISPOSE OF MATERIAL GENERATED FROM EXCAVATION OF PROPOSED RETENTION CHANNEL AND POND A7, INCLUDES EXCAVATION & HAULING, TO BE USED IN LIEU OF JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS NO. 1, 2, 3 (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	300810	\$30.00	\$9,024,300.00	\$27.00	\$8,121,870.00	\$20.00	\$6,016,200.00
ALTERNATE 2 SUBTOTAL:					\$18,693,630.00	\$16,824,267.00	\$12,462,420.00		
BIDDING SUMMARY									
SUBTOTAL JUBILEE PHASE 2 MASS GRADING ITEMS					\$1,731,715.63	\$1,771,656.55	\$1,564,193.79		
SUBTOTAL JUBILEE PHASE 2 DRAINAGE ITEMS					\$1,715,540.94	\$2,053,009.50	\$2,028,002.65		
SUBTOTAL JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS					\$1,807,137.80	\$1,633,759.00	\$1,834,085.72		
SUBTOTAL JUBILEE PHASE 2 RETENTION CHANNEL DRAINAGE ITEMS					\$933,951.73	\$1,075,531.60	\$982,144.01		
SUBTOTAL JUBILEE PHASE 2 CLEARING & DEMOLITION ITEMS					\$238,630.00	\$172,960.00	\$190,200.00		
SUBTOTAL MISCELLANEOUS ITEMS					\$257,799.30	\$414,888.00	\$550,608.34		
TOTAL AMOUNT BASE BID					\$6,684,775.40	\$7,121,804.65	\$7,149,234.51		
ALTERNATE 1									
TOTAL AMOUNT BASE BID					\$6,684,775.40	\$7,121,804.65	\$7,149,234.51		
DEDUCT JUBILEE PHASE 2 DRAINAGE ITEMS ITEM NO.17					-\$11,020.45	-\$13,500.00	-\$15,000.00		
DEDUCT JUBILEE PHASE 2 DRAINAGE ITEMS ITEM NO.18					-\$32,343.20	-\$50,000.00	-\$110,000.00		
SUBTOTAL ALTERNATE 1					\$111,360.00	\$240,000.00	\$140,000.00		
TOTAL AMOUNT INCLUDING ALTERNATE 1					\$6,752,771.75	\$7,298,304.65	\$7,164,234.51		
ALTERNATE 2									
TOTAL AMOUNT BASE BID					\$6,684,775.40	\$7,121,804.65	\$7,149,234.51		
DEDUCT JUBILEE PHASE 2 MASS GRADING ITEMS ITEM NO.2					-\$556,186.00	-\$526,297.50	-\$421,038.00		
DEDUCT JUBILEE PHASE 2 MASS GRADING ITEMS ITEM NO.3					-\$327,338.68	-\$309,748.05	-\$247,798.44		
DEDUCT JUBILEE PHASE 2 MASS GRADING ITEMS ITEM NO.4					-\$495,966.40	-\$440,344.00	-\$375,451.20		
DEDUCT JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS ITEM NO.1					-\$438,662.40	-\$415,400.00	-\$519,250.00		
DEDUCT JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS ITEM NO.2					-\$555,086.40	-\$473,085.00	-\$445,751.20		
DEDUCT JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS ITEM NO.3					-\$594,528.00	-\$591,150.00	-\$591,150.00		
SUBTOTAL ALTERNATE 2					\$18,693,630.00	\$16,824,267.00	\$12,462,420.00		
TOTAL AMOUNT INCLUDING ALTERNATE 2					\$22,410,637.52	\$21,190,047.10	\$17,011,215.67		

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ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL, LLC		5) EARTH BUILDERS, L.P.		6) LONGHORN EXCAVATORS, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
JUBILEE PHASE 2 MASS GRADING ITEMS									
1	EXCAVATION OF FILL AREA 1, FILL AREA 2, AND FILL AREA 3, INCLUDES RIGHT OF WAY SWALES, FINAL GRADING OF RIGHT OF WAY SWALES, STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	27360	\$2.85	\$77,976.00	\$4.50	\$123,120.00	\$3.00	\$82,080.00
2	EMBANKMENT OF FILL AREA 1, INCLUDES EXCAVATION OF PROPOSED PONDS, HAULING A DISTANCE OF 0'-2,200', COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILING OF STRIPPINGS, AND MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	129950	\$2.85	\$370,357.50	\$5.00	\$649,750.00	\$5.64	\$732,918.00
3	EMBANKMENT OF FILL AREA 2, INCLUDES EXCAVATION OF PROPOSED PONDS, HAULING A DISTANCE OF 0'-2,800', COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILING OF STRIPPINGS, AND MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	76481	\$2.85	\$217,970.85	\$5.00	\$382,405.00	\$4.98	\$380,875.38
4	EMBANKMENT OF FILL AREA 3, INCLUDES EXCAVATION OF PROPOSED PONDS, HAULING A DISTANCE OF 0'-2,000', COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILING OF STRIPPINGS, AND MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	115880	\$2.85	\$330,258.00	\$5.00	\$579,400.00	\$4.68	\$542,318.40
5	TURF ESTABLISHMENT OF PONDS C1, C2, A3.2, A3.4 FROM EDGE OF FUTURE ROW OR DRAINAGE RESERVE TO 1 FOOT BELOW NORMAL POOL ELEVATION, INSTALLED AS PER HARRIS COUNTY ENGINEERING SPECIFICATION ITEM 164, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	20	\$2,200.00	\$44,000.00	\$4,000.00	\$80,000.00	\$3,657.00	\$73,140.00
6	TURF ESTABLISHMENT OF POND G0 FROM EDGE OF FUTURE ROW OR DRAINAGE RESERVE, INSTALLED AS PER HARRIS COUNTY ENGINEERING SPECIFICATION ITEM 164, INCLUDES POND BOTTOM AND PILOT CHANNEL, INCLUDES INTERCEPTOR SWALE, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	3	\$2,200.00	\$6,600.00	\$4,000.00	\$12,000.00	\$3,657.00	\$10,971.00
7	TURF ESTABLISHMENT OF PONDS C1, C2, A3.2, A3.4 FROM 1 FOOT BELOW NORMAL POOL ELEVATION TO POND TOE, INSTALLED AS PER HARRIS COUNTY ENGINEERING SPECIFICATION ITEM 164, INCLUDES SEEDING, MOWING AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT THE PROJECT FOR FINAL PAYMENT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER)	AC	13	\$2,200.00	\$28,600.00	\$4,000.00	\$52,000.00	\$3,657.00	\$47,541.00
8	BROADCAST SEEDING OF FILL AREAS 1, 2, AND 3, 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 THE PROJECT FOR FINAL PAYMENT, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER)	AC	196	\$650.00	\$127,400.00	\$1,400.00	\$274,400.00	\$663.00	\$129,948.00
9	FINAL GRADING OF INTERCEPTOR SWALE (1 FOOT MIN. DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	959	\$4.25	\$4,075.75	\$4.00	\$3,836.00	\$3.00	\$2,877.00
10	FINAL GRADING OF PERIMETER V BOTTOM SWALE (2.5 FOOT MAX. DEPTH), INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	LF	4950	\$4.25	\$21,037.50	\$5.00	\$24,750.00	\$6.00	\$29,700.00

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 JULY 19, 2024
 LJA ENGINEERING, INC.
 E. MURPHY
 JULY 19, 2024
 2542-2308 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL, LLC		5) EARTH BUILDERS, L.P.		6) LONGHORN EXCAVATORS, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS G0, C1, C2, A3.2, A3.4, 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	27	\$1,800.00	\$48,600.00	\$500.00	\$13,500.00	\$4,800.00	\$129,600.00
12	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	\$75,000.00	\$75,000.00	\$15,000.00	\$15,000.00	\$30,900.00	\$30,900.00
13	2' THICK CLAY LINER FOR DETENTION PONDS C1, C2, A3.2 AND A3.4 FROM BOTTOM OF POND TO 1' ABOVE NORMAL POOL ELEVATION, MIN. 22 PI AS REQUIRED BY GEOTECHNICAL RECOMMENDATIONS, INCLUDES SCARIFYING OF IN-SITU CLAY MATERIAL TO A DEPTH OF 2 FOOT & COMPACTION, 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	59017	\$12.00	\$708,204.00	\$3.00	\$177,051.00	\$6.00	\$354,102.00
JUBILEE PHASE 2 MASS GRADING ITEMS SUBTOTAL:					\$2,060,079.60		\$2,387,212.00		\$2,546,970.78
JUBILEE PHASE 2 DRAINAGE ITEMS									
1	30-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	155	\$120.00	\$18,600.00	\$160.00	\$24,800.00	\$130.38	\$20,208.90
2	36-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	100	\$190.00	\$19,000.00	\$190.00	\$19,000.00	\$168.54	\$16,854.00
3	48-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	345	\$280.00	\$96,600.00	\$300.00	\$103,500.00	\$268.20	\$92,529.00
4	54-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	105	\$360.00	\$37,800.00	\$370.00	\$38,850.00	\$386.91	\$40,625.55
5	60-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	274	\$440.00	\$120,560.00	\$425.00	\$116,450.00	\$412.35	\$112,983.90
6	72-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	138	\$610.00	\$84,180.00	\$610.00	\$84,180.00	\$601.02	\$82,940.76
7	3' X 3' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	224	\$335.00	\$75,040.00	\$360.00	\$80,640.00	\$344.52	\$77,172.48
8	6' X 6' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	231	\$675.00	\$155,925.00	\$720.00	\$166,320.00	\$716.58	\$165,529.98
9	7' X 6' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	257	\$800.00	\$205,600.00	\$900.00	\$231,300.00	\$839.52	\$215,756.64
10	10' X 8' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	464	\$1,325.00	\$614,800.00	\$1,600.00	\$742,400.00	\$1,415.10	\$656,606.40
11	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$6,500.00	\$6,500.00	\$10,000.00	\$10,000.00	\$7,314.00	\$7,314.00
12	TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$12,600.00	\$12,600.00	\$11,000.00	\$11,000.00	\$10,284.00	\$10,284.00
13	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	1	\$5,100.00	\$5,100.00	\$8,000.00	\$8,000.00	\$7,314.00	\$7,314.00

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CONSTRUCTION OF MASS GRADING DETENTION AND STORM SEWER & APPURTENANCES
 TO SERVE JUBILEE PHASE 2
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 478
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JULY 19, 2024
 LJA ENGINEERING, INC.
 E. MURPHY
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ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL, LLC		5) EARTH BUILDERS, L.P.		6) LONGHORN EXCAVATORS, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
14	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	6	\$9,100.00	\$54,600.00	\$9,500.00	\$57,000.00	\$10,284.00	\$61,704.00
15	STANDARD TYPE "C" MANHOLE 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	4	\$3,900.00	\$15,600.00	\$6,500.00	\$26,000.00	\$7,950.00	\$31,800.00
16	JUNCTION BOX WITH TYPE "E" INLET TOP (ALL SIDES OPEN) FOR 3' X 3' RCB STORM BOX CULVERT, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$9,000.00	\$9,000.00	\$9,500.00	\$9,500.00	\$13,251.00	\$13,251.00
17	6' X 6' DROP STRUCTURE WITH GRATE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$16,000.00	\$16,000.00	\$20,000.00	\$20,000.00	\$47,700.00	\$47,700.00
18	10' X 8' DROP STRUCTURE WITH GRATE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$23,000.00	\$46,000.00	\$34,000.00	\$68,000.00	\$54,060.00	\$108,120.00
19	STANDARD TXDOT WINGWALL STRUCTURE FOR DUAL 10' X 8' RCB STORM CULVERT (SEE SHEET 33), 5" REINFORCED SLOPE PAVING & NECESSARY HEADWALL, COMPLETE IN PLACE	EA	1	\$48,000.00	\$48,000.00	\$30,000.00	\$30,000.00	\$73,935.00	\$73,935.00
20	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	1	\$16,000.00	\$16,000.00	\$12,000.00	\$12,000.00	\$13,251.00	\$13,251.00
21	4" REINFORCED CONCRETE SLOPE PAVING, INCLUDES 2-FOOT TOE WALL ON ALL SIDES, COMPLETE IN PLACE	SY	1348	\$110.00	\$148,280.00	\$125.00	\$168,500.00	\$132.51	\$178,623.48
22	RIP RAP (18-INCH THICKNESS) GRADATION NO. 2, INCLUDES GEOTEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	94	\$145.00	\$13,630.00	\$150.00	\$14,100.00	\$137.82	\$12,955.08
23	TRENCH SAFETY, ALL DEPTHS, COMPLETE IN PLACE	LF	2395	\$0.10	\$239.50	\$1.00	\$2,395.00	\$1.08	\$2,586.60
JUBILEE PHASE 2 DRAINAGE ITEMS SUBTOTAL:					\$1,819,654.50		\$2,043,935.00		\$2,050,045.77
JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS									
1	EMBANKMENT OF FILL AREA 2 FROM POND A7 AND RETENTION CHANNEL, INCLUDES EXCAVATION, HAULING A DISTANCE OF 7,250'-9,700', FINAL GRADING OF PONDS, STRIPPING, STOCKPILING OF STRIPPINGS, MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	83080	\$4.75	\$394,630.00	\$7.50	\$623,100.00	\$7.14	\$593,191.20
2	EMBANKMENT OF FILL AREA 2 FROM RETENTION CHANNEL, INCLUDES EXCAVATION, HAULING A DISTANCE OF 2,800'-5,430', FINAL GRADING OF CHANNEL, STRIPPING, STOCKPILING OF STRIPPINGS, MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	105130	\$4.75	\$499,367.50	\$7.50	\$788,475.00	\$5.88	\$618,164.40
3	EMBANKMENT OF FILL AREA 2 FROM RETENTION CHANNEL, INCLUDES EXCAVATION, HAULING A DISTANCE OF 5,700'-8,150', FINAL GRADING OF CHANNEL, STRIPPING, STOCKPILING OF STRIPPINGS, MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS TO FINAL GRADED AREAS, COMPLETE IN PLACE	CY	112600	\$4.75	\$534,850.00	\$7.50	\$844,500.00	\$6.78	\$763,428.00
4	EMBANKMENT OF POND A7 BERMS, INCLUDES EXCAVATION OF POND A7, HAULING, COMPACTION TO 95% STANDARD PROCTOR DENSITY, STRIPPING, STOCKPILING OF STRIPPINGS, AND MUCKING OF FILL AREA & EXISTING SWALES AS NECESSARY TO ACHIEVE PROOFROLL (MAX 1 FOOT DEPTH), AND REAPPLYING STRIPPINGS, COMPLETE IN PLACE	CY	10320	\$4.75	\$49,020.00	\$3.00	\$30,960.00	\$3.69	\$38,080.80

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 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 478
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5	TURF ESTABLISHMENT OF POND A7 AND RETENTION CHANNEL FROM EDGE OF DRAINAGE EASEMENT TO OPPOSITE EDGE OF DRAINAGE EASEMENT, INSTALLED AS PER HARRIS COUNTY ENGINEERING SPECIFICATION ITEM 164, INCLUDES SEEDING, MOWING, AND WATERING TO ACHIEVE 90% HOMOGENOUS VEGETATION TO ACCEPT PROJECT FOR FINAL PAYMENT, COMPLETE IN PLACE	AC	38	\$2,200.00	\$83,600.00	\$4,000.00	\$152,000.00	\$3,657.00	\$138,966.00
6	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF POND A7 AND RETENTION 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	30	\$850.00	\$25,500.00	\$500.00	\$15,000.00	\$4,800.00	\$144,000.00
7	8" CRUSHED CONCRETE ALL WEATHER ACCESS ROAD, INCLUDES 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, COMPLETE IN PLACE	SY	716	\$26.00	\$18,616.00	\$40.00	\$28,640.00	\$48.69	\$34,862.04
JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS SUBTOTAL:					\$1,605,583.50		\$2,482,675.00		\$2,330,692.44
JUBILEE PHASE 2 RETENTION CHANNEL DRAINAGE ITEMS									
1	24-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	88	\$115.00	\$10,120.00	\$140.00	\$12,320.00	\$100.71	\$8,862.48
2	42-INCH RCP, STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, INCLUDES SCORING OF PIPE, COMPLETE IN PLACE	LF	266	\$230.00	\$61,180.00	\$700.00	\$186,200.00	\$227.91	\$60,624.06
3	8' X 8' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	180	\$1,000.00	\$180,000.00	\$1,400.00	\$252,000.00	\$1,058.94	\$190,609.20
4	10' X 8' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	100	\$1,300.00	\$130,000.00	\$1,750.00	\$175,000.00	\$1,415.10	\$141,510.00
5	10' X 10' RCB, STORM BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES SCORING OF PIPE & NECESSARY KNOCKOUTS, COMPLETE IN PLACE	LF	46	\$1,450.00	\$66,700.00	\$1,950.00	\$89,700.00	\$1,579.41	\$72,652.86
6	JUNCTION BOX (SEE SHEET 34) ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$64,000.00	\$64,000.00	\$250,000.00	\$250,000.00	\$36,042.00	\$36,042.00
7	JUNCTION BOX WITH TYPE "E" INLET TOP (ALL SIDES OPEN) FOR 10' X 10' EXIST. RCB STORM BOX CULVERT, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$7,300.00	\$7,300.00	\$30,000.00	\$30,000.00	\$41,871.00	\$41,871.00
8	JUNCTION BOX WITH TYPE "C" M.H. TOP (ALL SIDES OPEN) FOR 24" RCP STORM SEWER, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	1	\$8,500.00	\$8,500.00	\$15,000.00	\$15,000.00	\$22,260.00	\$22,260.00
9	INSTALLATION OF 24" SLUICE GATE WITHIN JUNCTION BOX, MANUFACTURER TO BE WATERMAN OF APPROVED EQUAL, CONTRACTOR REQUIRED TO PROVIDE SHOP DRAWINGS TO ENGINEER FOR APPROVAL, COMPLETE IN PLACE	EA	1	\$54,000.00	\$54,000.00	\$15,000.00	\$15,000.00	\$45,582.00	\$45,582.00
10	STANDARD HARRIS COUNTY FLOATABLE COLLECTION SCREEN FOR 24" RCP STORM SEWER AS PER DETAIL ON SHEET 47, COMPLETE IN PLACE	EA	1	\$14,000.00	\$14,000.00	\$7,000.00	\$7,000.00	\$8,376.00	\$8,376.00
11	CONTRACTOR TO CONNECT EXISTING 10' X 10' RCB TO PROPOSED 10' X 10' RCB, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00	\$7,500.00	\$7,500.00	\$10,284.00	\$10,284.00
12	MODIFIED TXDOT WINGWALL STRUCTURE FOR 42" RCP & 10' X 10' RCB STORM CULVERT (SEE SHEET 35), 5" REINFORCED SLOPE PAVING & NECESSARY HEADWALL AND WEIR WALL AS PER STRUCTURAL DETAIL ON SHEET 45, COMPLETE IN PLACE	EA	1	\$56,000.00	\$56,000.00	\$40,000.00	\$40,000.00	\$143,076.00	\$143,076.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
13	STANDARD TXDOT WINGWALL STRUCTURE FOR 3 - 8' X 8' RCB STORM CULVERT (SEE SHEET 34), 5" REINFORCED SLOPE PAVING & NECESSARY HEADWALL, COMPLETE IN PLACE	EA	1	\$37,000.00	\$37,000.00	\$45,000.00	\$45,000.00	\$96,726.00	\$96,726.00
14	4" REINFORCED CONCRETE SLOPE PAVING, INCLUDES 2 FOOT TOE WALL ON ALL SIDES, COMPLETE IN PLACE	SY	1580	\$110.00	\$173,800.00	\$125.00	\$197,500.00	\$132.51	\$209,365.80
15	RIP RAP (18-INCH THICKNESS) GRADATION NO. 2, INCLUDES GEO TEXTILE FABRIC ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	SY	697	\$145.00	\$101,065.00	\$150.00	\$104,550.00	\$12.72	\$8,865.84
16	TRENCH SAFETY, ALL DEPTHS, COMPLETE IN PLACE	LF	616	\$0.10	\$61.60	\$1.00	\$616.00	\$1.08	\$665.28
JUBILEE PHASE 2 RETENTION CHANNEL DRAINAGE ITEMS SUBTOTAL:					\$967,226.60	\$1,427,386.00			\$1,097,372.52
JUBILEE PHASE 2 CLEARING & DEMOLITION ITEMS									
1	CLEARING AND GRUBBING, INCLUDES HAULING CLEARING AND GRUBBING DEBRIS OFFSITE (TO BE USED ONLY AT WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	17	\$7,500.00	\$127,500.00	\$12,000.00	\$204,000.00	\$11,661.00	\$198,237.00
2	REMOVE AND DISPOSE OF EXISTING ROCK FILTER DAM, COMPLETE IN PLACE	EA	1	\$800.00	\$800.00	\$1,000.00	\$1,000.00	\$2,700.00	\$2,700.00
3	REMOVE AND DISPOSE OF EXISTING CRUSHED CONCRETE, COMPLETE IN PLACE	SY	628	\$9.00	\$5,652.00	\$8.00	\$5,024.00	\$6.00	\$3,768.00
4	REMOVE AND DISPOSE OF EXISTING FLOATABLES COLLECTION SCREEN, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$750.00	\$750.00	\$3,000.00	\$3,000.00
5	REMOVE AND DISPOSE OF EXISTING ACCESS ROAD, COMPLETE IN PLACE	SY	2249	\$9.00	\$20,241.00	\$5.00	\$11,245.00	\$3.00	\$6,747.00
6	REMOVE AND DISPOSE OF RIP RAP, COMPLETE IN PLACE	SY	159	\$25.00	\$3,975.00	\$30.00	\$4,770.00	\$15.00	\$2,385.00
7	REMOVE AND DISPOSE OF EXISTING 4" REINFORCED CONCRETE SLOPE PAVING, COMPLETE IN PLACE	SY	112	\$30.00	\$3,360.00	\$15.00	\$1,680.00	\$69.00	\$7,728.00
8	REMOVE AND DISPOSE OF EXISTING RCP, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	63	\$40.00	\$2,520.00	\$30.00	\$1,890.00	\$69.00	\$4,347.00
9	REMOVE AND DISPOSE OF EXISTING STEEL PLATES ON EXISTING 10' X 10' RCB, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$12,690.00	\$12,690.00
JUBILEE PHASE 2 CLEARING & DEMOLITION ITEMS SUBTOTAL:					\$166,548.00	\$231,359.00			\$241,602.00
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	\$35.00	\$1,750.00	\$31.80	\$1,590.00
2	CRUSHED STONE SUPPORT FOR MANHOLE IN UNSTABLE SUBGRADE (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$275.00	\$275.00	\$50.00	\$50.00	\$54.00	\$54.00
3	WET SAND BEDDING FOR UNSTABLE SUBGRADE FOR STORM SEWER AS PER CITY OF HOUSTON DRAWING NO. 02317-02 AND 02317-07 (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$15.00	\$1,500.00	\$5.00	\$500.00	\$5.31	\$531.00
4	OVER EXCAVATION OF FILL & POND AREAS GREATER THAN 1 FOOT OF DEPTH TO ACHIEVE PROOFROOL, QUANTITY AND AREA OF OVER EXCAVATION TO BE VERIFIED BY GEOTECHNICAL ENGINEER, (TO BE USED ONLY AT WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	150000	\$4.75	\$712,500.00	\$2.00	\$300,000.00	\$4.20	\$630,000.00
5	REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	500	\$2.40	\$1,200.00	\$4.00	\$2,000.00	\$4.26	\$2,130.00
6	CONSTRUCT, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT	EA	1	\$3,500.00	\$3,500.00	\$8,000.00	\$8,000.00	\$3,690.00	\$3,690.00

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LJA JOB NO.

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL, LLC		5) EARTH BUILDERS, L.P.		6) LONGHORN EXCAVATORS, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
7	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, INCLUDES CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	LS	1	\$3,500.00	\$3,500.00	\$5,000.00	\$5,000.00	\$6,900.00	\$6,900.00
8	STAGE I INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	16	\$55.00	\$880.00	\$80.00	\$1,280.00	\$159.00	\$2,544.00
9	STAGE II INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	16	\$55.00	\$880.00	\$80.00	\$1,280.00	\$159.00	\$2,544.00
10	AS-BUILT SURVEY OF FILL AREAS 1, 2 AND 3 (DOES NOT INCLUDE POND AREAS), BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 713.995.1306. COMPLETE IN PLACE, GRID SPACING SHALL BE 100-FT MAXIMUM, INCLUDES ALL HIGH BANK, BACK OF LOTS, GRADE BREAKS, FLOWLINES AND GRADING FEATURES IN A 3D CAD FILE FORMAT, COMPLETE IN PLACE	LS	1	\$33,000.00	\$33,000.00	\$33,000.00	\$33,000.00	\$34,980.00	\$34,980.00
11	AS-BUILT SURVEY OF PONDS G0, C1, C2, C3.2, C3.4, A7 AND RETENTION CHANNEL, BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 713.995.1306. COMPLETE IN PLACE, INCLUDES BUT NOT LIMITED TO HIGH BANK, POND BENCH, POND TOE, CULVERT FLOWLINE, PILOT CHANNEL FLOWLINE, OUTFALL FLOWLINE, GRADE BREAKS, MANHOLE RIM & FLOWLINES, COMPLETE IN PLACE	LS	1	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$26,520.00	\$26,520.00
12	WOOD MATS AT ALL EXISTING MONUMENT ENERGY PIPELINE CROSSINGS, COMPLETE IN PLACE	LS	1	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00	\$90,809.34	\$90,809.34
13	UTILITY SPOILS, COMPACTED TO 95% STANDARD PROCTOR DENSITY, TO BE USED ON-SITE, INCLUDES HAULING, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	LS	1	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$5,400.00	\$5,400.00
14	12" PVC CASING FOR FUTURE 8" WATER LINE, AWWA C-900, DR-18, CLASS 235, ALL DEPTHS, INCLUDES FITTINGS, COMPLETE IN PLACE	LF	35	\$85.00	\$2,975.00	\$150.00	\$5,250.00	\$89.04	\$3,116.40
15	20" PVC CASING FOR FUTURE 12" WATER LINE, AWWA C-900, DR-18, CLASS 235, ALL DEPTHS, INCLUDES FITTINGS, COMPLETE IN PLACE	LF	45	\$180.00	\$8,100.00	\$250.00	\$11,250.00	\$169.62	\$7,632.90
16	TRENCH SAFETY FOR CASING PIPES, COMPLETE IN PLACE	LF	80	\$0.10	\$8.00	\$1.00	\$80.00	\$1.08	\$86.40
17	CONSTRUCTION STAKING FOR CONSTRUCTION BY THE CONTRACTOR PER KYLE KACAL, GBI SURVEYING, 713.995.1306. COMPLETE IN PLACE	LS	1	\$66,650.00	\$66,650.00	\$66,650.00	\$66,650.00	\$97,375.87	\$97,375.87
18	TYPE II ROCK FILTER DAM, COMPLETE IN PLACE	EA	1	\$2,500.00	\$2,500.00	\$10,000.00	\$10,000.00	\$5,565.00	\$5,565.00
19	REMOVE EXISITING CRUSHED CONCRETE ACCESS ROAD, COMPLETE IN PLACE	SY	188	\$20.00	\$3,760.00	\$10.00	\$1,880.00	\$15.00	\$2,820.00
20	8" CRUSHED CONCRETE ALL WEATHER ACCESS ROAD, INCLUDES 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, COMPLETE IN PLACE	SY	1582	\$25.00	\$39,550.00	\$40.00	\$63,280.00	\$48.69	\$77,027.58
21	ALLOWANCE FOR RILLING EROSION REPAIRS ALONG POND SLOPES, AS DIRECTED BY ENGINEER, COMPLETE IN PLACE	AC	10	\$2,050.00	\$20,500.00	\$2,000.00	\$20,000.00	\$2,769.00	\$27,690.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$962,778.00		\$576,251.00		\$1,029,006.49
ALTERNATE 1									
1	MODIFIED TXDOT WINGWALL STRUCTURE FOR 6' X 6' RCB STORM CULVERT, 5" REINFORCED SLOPE PAVING & NECESSARY HEADWALL AND WEIR WALL AS PER STRUCTURAL DETAIL ON SHEET 45, IN LIEU OF JUBILEE PHASE II DRAINAGE ITEM NO. 17, COMPLETE IN PLACE	EA	1	\$30,000.00	\$30,000.00	\$25,000.00	\$25,000.00	\$41,871.00	\$41,871.00
2	MODIFIED TXDOT WINGWALL STRUCTURE FOR 10' X 8' RCB STORM CULVERT, 5" REINFORCED SLOPE PAVING & NECESSARY HEADWALL AND WEIR WALL AS PER STRUCTURAL DETAIL ON SHEET 45, IN LIEU OF JUBILEE PHASE II DRAINAGE ITEM NO. 18, COMPLETE IN PLACE	EA	1	\$50,000.00	\$50,000.00	\$38,000.00	\$38,000.00	\$73,734.00	\$73,734.00
ALTERNATE 1 SUBTOTAL:					\$80,000.00		\$63,000.00		\$115,605.00

BID TABULATION FOR:

CONSTRUCTION OF MASS GRADING DETENTION AND STORM SEWER & APPURTENANCES
 TO SERVE JUBILEE PHASE 2
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 478
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 JULY 19, 2024
 LJA ENGINEERING, INC.
 E. MURPHY
 JULY 19, 2024
 2542-2308 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) R CONSTRUCTION CIVIL, LLC		5) EARTH BUILDERS, L.P.		6) LONGHORN EXCAVATORS, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
ALTERNATE 2									
1	HAUL OFF-SITE AND DISPOSE OF MATERIAL GENERATED FROM EXCAVATION OF PROPOSED PONDS C1, C2, A3.2, A3.4, & G0, INCLUDES EXCAVATION & HAULING, TO BE USED IN LIEU OF JUBILEE PHASE 2 MASS GRADING ITEMS NO. 2, 3, & 4, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	322311	\$25.00	\$8,057,775.00	\$25.00	\$8,057,775.00	\$27.00	\$8,702,397.00
2	HAUL OFF-SITE AND DISPOSE OF MATERIAL GENERATED FROM EXCAVATION OF PROPOSED RETENTION CHANNEL AND POND A7, INCLUDES EXCAVATION & HAULING, TO BE USED IN LIEU OF JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS NO. 1, 2, 3 (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	300810	\$25.00	\$7,520,250.00	\$25.00	\$7,520,250.00	\$27.00	\$8,121,870.00
ALTERNATE 2 SUBTOTAL:					\$15,578,025.00		\$15,578,025.00		\$16,824,267.00
BIDDING SUMMARY									
SUBTOTAL JUBILEE PHASE 2 MASS GRADING ITEMS					\$2,060,079.60		\$2,387,212.00		\$2,546,970.78
SUBTOTAL JUBILEE PHASE 2 DRAINAGE ITEMS					\$1,819,654.50		\$2,043,935.00		\$2,050,045.77
SUBTOTAL JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS					\$1,605,583.50		\$2,482,675.00		\$2,330,692.44
SUBTOTAL JUBILEE PHASE 2 RETENTION CHANNEL DRAINAGE ITEMS					\$967,226.60		\$1,427,386.00		\$1,097,372.52
SUBTOTAL JUBILEE PHASE 2 CLEARING & DEMOLITION ITEMS					\$166,548.00		\$231,359.00		\$241,602.00
SUBTOTAL MISCELLANEOUS ITEMS					\$962,778.00		\$576,251.00		\$1,029,006.49
TOTAL AMOUNT BASE BID					\$7,581,870.20		\$9,148,818.00		\$9,295,690.00
ALTERNATE 1									
TOTAL AMOUNT BASE BID					\$7,581,870.20		\$9,148,818.00		\$9,295,690.00
DEDUCT JUBILEE PHASE 2 DRAINAGE ITEMS ITEM NO.17					-\$16,000.00		-\$20,000.00		-\$47,700.00
DEDUCT JUBILEE PHASE 2 DRAINAGE ITEMS ITEM NO.18					-\$46,000.00		-\$68,000.00		-\$108,120.00
SUBTOTAL ALTERNATE 1					\$80,000.00		\$63,000.00		\$115,605.00
TOTAL AMOUNT INCLUDING ALTERNATE 1					\$7,599,870.20		\$9,123,818.00		\$9,255,475.00
ALTERNATE 2									
TOTAL AMOUNT BASE BID					\$7,581,870.20		\$9,148,818.00		\$9,295,690.00
DEDUCT JUBILEE PHASE 2 MASS GRADING ITEMS ITEM NO.2					-\$370,357.50		-\$649,750.00		-\$732,918.00
DEDUCT JUBILEE PHASE 2 MASS GRADING ITEMS ITEM NO.3					-\$217,970.85		-\$382,405.00		-\$380,875.38
DEDUCT JUBILEE PHASE 2 MASS GRADING ITEMS ITEM NO.4					-\$330,258.00		-\$579,400.00		-\$542,318.40
DEDUCT JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS ITEM NO.1					-\$394,630.00		-\$623,100.00		-\$593,191.20
DEDUCT JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS ITEM NO.2					-\$499,367.50		-\$788,475.00		-\$618,164.40
DEDUCT JUBILEE PHASE 2 RETENTION CHANNEL MASS GRADING ITEMS ITEM NO.3					-\$534,850.00		-\$844,500.00		-\$763,428.00
SUBTOTAL ALTERNATE 2					\$15,578,025.00		\$15,578,025.00		\$16,824,267.00
TOTAL AMOUNT INCLUDING ALTERNATE 2					\$20,812,461.35		\$20,859,213.00		\$22,489,061.62