

BID TABULATION FOR:

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
TO SERVE ORCHID ESTATES  
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
FORT BEND COUNTY, TEXAS  
FEBRUARY 23, 2023  
LJA ENGINEERING, INC.  
C. DURHAM  
FEBRUARY 23, 2023  
7777-1301 (9 2)

BID OPENING DATE:  
BID OPENING LOCATION  
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LJA JOB NO.

BIDDER'S NAME	TOTAL AMOUNT BID
1) NORTHTEX CONSTRUCTION, LLC	\$4,831,241.66
2) HURTADO CONSTRUCTION COMPANY	\$4,835,388.54
3) ENVIRONMENTAL ALLIES	\$6,173,951.92
4) LONNIE LISCHKA COMPANY, LP	\$7,251,789.61
5) LONGHORN EXCAVATORS, INC.	\$7,669,435.42
6) R CONSTRUCTION CIVIL, LLC	\$7,674,635.60
7) SONORA CONSTRUCTION	\$8,793,736.50

CALENDAR DAYS 160/170



*Steven Boyd*

*2/23/2023*

I, Steven Boyd, P.E., hereby certify these bid tabulations to be true and correct.

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 7777-1301 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) NORTHTEX CONSTRUCTION, LLC		2) HURTADO CONSTRUCTION COMPANY		3) ENVIRONMENTAL ALLIES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>DETENTION AND AMENITY LAKE</b>									
1	EXCAVATION OF MITIGATION & DETENTION POND, DETENTION EXCAVATION AREA, BERM, HAULING STRIPPING, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	CY	306513	\$2.90	\$888,887.70	\$3.28	\$1,005,362.64	\$3.04	\$931,799.52
2	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION OF POND BOTTOM, (AS DIRECTED BY THE ENGINEER), INCLUDES EXCAVATION AND PLACEMENT 2' OVER DEPTH, SEPARATING AND STOCKPILING SUITABLE CLAY MATERIAL (LL > 40%, PL > 20%) FROM ONSITE SOILS, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	CY	70124	\$1.18	\$82,746.32	\$0.58	\$40,671.92	\$3.00	\$210,372.00
3	V-BOTTOM DRAINAGE SWALE WITHIN FUTURE ROAD FOOTPRINT, INCLUDES EXCAVATION, HAULING, PLACEMENT AND COMPACTION OF EXCESS EXCAVATION IN FILL AREAS, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATION OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	19717	\$4.43	\$87,346.31	\$1.28	\$25,237.76	\$1.00	\$19,717.00
4	V-BOTTOM DRAINAGE SWALE OFFSITE (AS SHOWN ON SHEET 18), INCLUDES EXCAVATION, HAULING, PLACEMENT AND COMPACTION OF EXCESS EXCAVATION IN FILL AREAS, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATION OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	2739	\$4.68	\$12,818.52	\$2.48	\$6,792.72	\$4.62	\$12,654.18
5	V-BOTTOM DRAINAGE SWALE TO DRAIN TREES (AS SHOWN ON SHEET 16 AND 17), INCLUDES EXCAVATION, HAULING, PLACEMENT AND COMPACTION OF EXCESS EXCAVATION IN FILL AREAS, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATION OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	2700	\$4.69	\$12,663.00	\$2.78	\$7,506.00	\$1.00	\$2,700.00
6	PROPOSED CONCRETE HARD EDGE WALL (4,000 PSI COMPRESSIVE STRENGTH), INCLUDES SEALED JOINTS, REBAR, AND ALL OTHER APPURTENANCES TO ENSURE LEAK PROOF STRUCTURE, COMPLETE IN PLACE	LF	10187	\$69.25	\$705,449.75	\$72.88	\$742,428.56	\$47.00	\$478,789.00
7	5" CONCRETE SLOPE PAVING FOR OUTFALL PIPE, TO INCLUDE 24" TOE AROUND PERIMETER OF SLOPE PAVING, COMPLETE IN PLACE	SY	162	\$171.10	\$27,718.20	\$88.00	\$14,256.00	\$84.27	\$13,651.74
8	3" RIVER ROCK, 6" THICK, TO INCLUDE GRANULAR FILL AND GEOTEXTILE FABRIC, COMPLETE IN PLACE	SY	210	\$33.54	\$7,043.40	\$22.88	\$4,804.80	\$100.00	\$21,000.00
9	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	22	\$99.21	\$2,182.62	\$102.88	\$2,263.36	\$78.00	\$1,716.00
10	30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	352	\$104.13	\$36,653.76	\$108.00	\$38,016.00	\$136.00	\$47,872.00
11	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	136	\$147.67	\$20,083.12	\$148.00	\$20,128.00	\$157.00	\$21,352.00
12	42" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	513	\$202.26	\$103,759.38	\$188.00	\$96,444.00	\$223.20	\$114,501.60
13	48" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	148	\$220.80	\$32,678.40	\$218.00	\$32,264.00	\$278.18	\$41,170.64
14	4' X 3' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	10	\$391.86	\$3,918.60	\$418.00	\$4,180.00	\$448.00	\$4,480.00
15	5'X5' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	13	\$568.00	\$7,384.00	\$618.00	\$8,034.00	\$664.00	\$8,632.00
16	7'X7' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	165	\$957.67	\$158,015.55	\$868.00	\$143,220.00	\$907.12	\$149,674.80

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 C. DURHAM  
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 7777-1301 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) NORTHTEX CONSTRUCTION, LLC		2) HURTADO CONSTRUCTION COMPANY		3) ENVIRONMENTAL ALLIES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
17	8'X5' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	470	\$805.22	\$378,453.40	\$781.88	\$367,483.60	\$880.94	\$414,041.80
18	9'X5' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	243	\$1,003.91	\$243,950.13	\$938.00	\$227,934.00	\$1,335.00	\$324,405.00
19	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$2,841.27	\$8,523.81	\$1,800.00	\$5,400.00	\$3,500.00	\$10,500.00
20	TYPE "C" MANHOLE FOR 42" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$3,624.64	\$10,873.92	\$2,488.00	\$7,464.00	\$4,500.00	\$13,500.00
21	FINAL ADJUSTMENT OF TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	6	\$474.11	\$2,844.66	\$288.00	\$1,728.00	\$1,000.00	\$6,000.00
22	TYPE "E" INLET, OPEN ALL SIDES, TO BE CONSTRUCTED ON TOP OF TYPE "C" MANHOLE TOP OR RCB STORM SEWER, AS SHOWN ON SHEET 3, COMPLETE IN PLACE	EA	13	\$1,471.91	\$19,134.83	\$3,588.00	\$46,644.00	\$7,500.00	\$97,500.00
23	TYPE "E" INLET, OPEN ALL SIDES, TO BE CONSTRUCTED ON TOP OF EXIST. TYPE "C" MANHOLE TOP, AS SHOWN ON SHEET 12, COMPLETE IN PLACE	EA	1	\$1,391.33	\$1,391.33	\$3,800.00	\$3,800.00	\$8,500.00	\$8,500.00
24	REINFORCED CONCRETE BOX BEND/COLLAR (SEE DETAILS) WITH TYPE "C" MANHOLE TOP, ALL SIZES AND DEPTHS, INCLUDING ALL NECESSARY APPURTENANCES, COMPLETE IN PLACE	EA	2	\$6,736.57	\$13,473.14	\$3,800.00	\$7,600.00	\$3,500.00	\$7,000.00
25	CONCRETE COLLAR FOR CONNECTION OF RCP OR RCB TO THE SIDE OF PROPOSED REINFORCED CONCRETE BOX, ALL SIZES, COMPLETE IN PLACE	EA	5	\$759.48	\$3,797.40	\$628.00	\$3,140.00	\$1,500.00	\$7,500.00
26	8" BRICK PLUG FOR 48" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$354.98	\$3,194.82	\$98.00	\$882.00	\$1,500.00	\$13,500.00
27	8" BRICK PLUG FOR 54" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$453.63	\$2,268.15	\$108.00	\$540.00	\$2,000.00	\$10,000.00
28	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZE, COMPLETE IN PLACE	LF	2186	\$0.53	\$1,158.58	\$1.00	\$2,186.00	\$1.15	\$2,513.90
29	UTILITY SPOILS TO BE HAULED, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	4945	\$1.76	\$8,703.20	\$1.88	\$9,296.60	\$2.00	\$9,890.00
30	NORTHERN CROSSING HEADWALL STRUCTURES (RANGING FROM 11' TO 15' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34A, INCLUDING BLOCKOUT FOR EXIST 48" RCP, FOOTINGS, PROTECTION OF EXISTING 18" SANITARY SEWER, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	552	\$641.11	\$353,892.72	\$628.00	\$346,656.00	\$1,047.70	\$578,330.40
31	SOUTHERN CROSSING HEADWALL STRUCTURES (RANGING FROM 11' TO 14' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34B, INCLUDING FOOTINGS, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	616	\$644.21	\$396,833.36	\$628.00	\$386,848.00	\$1,330.70	\$819,711.20
32	SOUTHERN CROSSING HEADWALL STRUCTURES (RANGING FROM 9' TO 10' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34B, INCLUDING OVERFLOW WEIR NOTCH, FOOTINGS, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	60	\$660.63	\$39,637.80	\$628.00	\$37,680.00	\$1,584.90	\$95,094.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
33	SOUTHERN CROSSING HEADWALL STRUCTURES (RANGING FROM 3' TO 6' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34B, INCLUDING PROTECTION OF EXISTING TREES, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 3-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	124	\$644.21	\$79,882.04	\$628.00	\$77,872.00	\$1,543.23	\$191,360.52
34	WESTERN CROSSING HEADWALL STRUCTURES (RANGING FROM 3' TO 7.5' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34C, INCLUDING PROTECTION OF EXISTING TREES, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 3-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	168	\$649.39	\$109,097.52	\$628.00	\$105,504.00	\$1,735.64	\$291,587.52
35	WESTERN CROSSING HEADWALL STRUCTURES (RANGING FROM 10' TO 11' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34C, INCLUDING KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	412	\$655.37	\$270,012.44	\$628.00	\$258,736.00	\$1,257.53	\$518,102.36
36	ADDITIONAL COST TO EXTEND THE 2' DEEP TOE WALLS TO 5' DEEP TOE WALLS (3' ADDITIONAL DEPTH) ON THE CAST IN PLACE RETAINING WALL STRUCTURES, PER CY OF STRUCTURAL CONCRETE, 8" THICK, INCLUDING #5 REBAR SPACED AT 12" O.C. EACH WAY, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	238	\$161.74	\$38,494.12	\$628.00	\$149,464.00	\$407.73	\$97,039.74
37	COFFER DAM FOR INSTALLATION OF PROPOSED 30" OUTFALLS, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$3,452.03	\$3,452.03	\$2,800.00	\$2,800.00	\$5,000.00	\$5,000.00
38	COFFER DAM FOR INSTALLATION OF PROPOSED 42" OUTFALL, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$3,452.03	\$3,452.03	\$2,800.00	\$2,800.00	\$5,000.00	\$5,000.00
39	COFFER DAM FOR INSTALLATION OF PROPOSED 48" OUTFALL, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$3,452.03	\$3,452.03	\$2,800.00	\$2,800.00	\$5,000.00	\$5,000.00
40	TWO COFFER DAMS FOR INSTALLATION OF PROPOSED 7' X 7' CULVERT CROSSING, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$5,241.43	\$5,241.43	\$2,800.00	\$2,800.00	\$5,000.00	\$5,000.00
41	COFFER DAM FOR INSTALLATION OF PROPOSED 8'X5' OUTFALLS, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$5,241.43	\$5,241.43	\$2,800.00	\$2,800.00	\$5,000.00	\$5,000.00
42	COFFER DAM FOR EXCAVATION AND CONSTRUCTION OF PROPOSED LAKES TO TIE INTO EXIST. LAKES, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$8,701.52	\$8,701.52	\$7,500.00	\$7,500.00	\$5,000.00	\$5,000.00
43	COFFER DAM FOR EXCAVATION AND CONSTRUCTION OF PROPOSED HARD EDGE IN EXIST. LAKES, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$8,002.80	\$8,002.80	\$8,500.00	\$8,500.00	\$5,000.00	\$5,000.00
44	DEMUCKING OF EXISTING 3 PONDS (2A, 6, 9A), SWALES, INCLUDING DRAINING OF PONDS, AS INDICATED ON SHEET 8 AND 9, COMPLETE IN PLACE	CY	50046	\$0.76	\$38,034.96	\$1.18	\$59,054.28	\$1.00	\$50,046.00
45	STAGE I - INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	15	\$72.74	\$1,091.10	\$48.00	\$720.00	\$110.00	\$1,650.00
46	STAGE II - INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	15	\$83.93	\$1,258.95	\$50.00	\$750.00	\$150.00	\$2,250.00
47	PROMATRIX HYDROMULCH SEEDING, 4,000 LB/AC MIX, COMPLETE IN PLACE	AC	7	\$2,500.00	\$17,500.00	\$2,500.00	\$17,500.00	\$2,500.00	\$17,500.00
48	BROADCAST SEEDING, COMPLETE IN PLACE	AC	107	\$600.00	\$64,200.00	\$600.00	\$64,200.00	\$600.00	\$64,200.00
49	BERMUDA SOD, COMPLETE IN PLACE	SY	4500	\$4.76	\$21,420.00	\$4.88	\$21,960.00	\$1.00	\$4,500.00
<b>DETENTION AND AMENITY LAKE SUBTOTAL:</b>					<b>\$4,356,014.28</b>		<b>\$4,432,652.24</b>		<b>\$5,771,304.92</b>

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<b>MISCELLANEOUS ITEMS</b>									
1	FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	14500	\$1.50	\$21,750.00	\$1.50	\$21,750.00	\$1.50	\$21,750.00
2	CONSTRUCTION STAKING BY THE CONTRACTOR PER LJA SURVEYING, INC., 713-953-5200	LS	1	\$27,515.00	\$27,515.00	\$27,515.00	\$27,515.00	\$27,515.00	\$27,515.00
3	EXTRA SURVEY TRIP FOR RESTAKING PREVIOUSLY PROVIDED CONSTRUCTION STAKES THAT WERE DESTROYED BY OTHERS (THIS ITEM DOES NOT INCLUDE RESTAKING DUE TO CONTRACTOR NEGLIGENCE OR ORDERING STAKING TOO FAR IN ADVANCE), COMPLETE IN PLACE	DAY	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
4	AS-BUILT SURVEY BY THE CONTRACTOR TO BE PERFORMED BY LJA SURVEYING, INC., 713-953-5200, COMPLETE IN PLACE	LS	1	\$27,500.00	\$27,500.00	\$27,500.00	\$27,500.00	\$27,500.00	\$27,500.00
5	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$35.00	\$3,500.00
6	TEMPORARY TRAFFIC CONTROL, COMPLETE IN PLACE	LS	1	\$5,232.34	\$5,232.34	\$8.00	\$8.00	\$10,000.00	\$10,000.00
7	FINAL ADJUSTMENT OF EXISTING SANITARY MANHOLE, COMPLETE IN PLACE	EA	1	\$512.98	\$512.98	\$428.00	\$428.00	\$1,000.00	\$1,000.00
8	FINAL ADJUSTMENT OF EXISTING STORM MANHOLE, COMPLETE IN PLACE	EA	7	\$369.10	\$2,583.70	\$428.00	\$2,996.00	\$1,000.00	\$7,000.00
9	FINAL ADJUSTMENT OF EXISTING FIRE HYDRANTS, COMPLETE IN PLACE	EA	3	\$401.07	\$1,203.21	\$988.00	\$2,964.00	\$500.00	\$1,500.00
10	EXISTING GRAVEL ROAD TO BE REMOVED AND DISPOSED OF, SEE SHEETS 5-11, COMPLETE IN PLACE	SY	11885	\$4.21	\$50,035.85	\$2.48	\$29,474.80	\$1.00	\$11,885.00
11	6" NEW GRAVEL ROAD WITH GEOTEXTILE FABRIC, AS SHOWN ON SHEETS 7 AND 10, COMPLETE IN PLACE	SY	1075	\$22.62	\$24,316.50	\$22.88	\$24,596.00	\$12.00	\$12,900.00
12	REMOVE EXISTING 4FT PLASTIC FENCE, SET ASIDE FOR OWNER TO PICK UP, COMPLETE IN PLACE	LF	487	\$1.68	\$818.16	\$0.08	\$38.96	\$2.00	\$974.00
13	REMOVE AND CAP EXISTING WATER LINE, ALL SIZES, AND VALVES, WHERE WATERLINE CROSSES EXISTING CONCRETE ROAD THERE SHALL BE NO OPEN CUT, COMPLETE IN PLACE	LF	2695	\$3.57	\$9,621.15	\$3.48	\$9,378.60	\$2.00	\$5,390.00
14	STEEL CASING FOR 8" WATER LINE, INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	303	\$166.92	\$50,576.76	\$71.88	\$21,779.64	\$55.00	\$16,665.00
15	RESTRAINED JOINT 8" PVC WATER PIPE, C-900, DR 14, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	331	\$54.87	\$18,161.97	\$52.00	\$17,212.00	\$45.00	\$14,895.00
16	8" PLUG AND CLAMP WITH 2" BLOW OFF VALVE AND BOX ASSEMBLY, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	2	\$885.41	\$1,770.82	\$780.00	\$1,560.00	\$3,000.00	\$6,000.00
17	REMOVE AND DISPOSE OF EXISTING 4" PVC PIPE, COMPLETE IN PLACE	LF	14	\$10.74	\$150.36	\$3.98	\$55.72	\$5.00	\$70.00
18	REMOVE AND DISPOSE OF EXISTING 6" PVC PIPE, COMPLETE IN PLACE	LF	91	\$11.90	\$1,082.90	\$3.98	\$362.18	\$5.00	\$455.00
19	REMOVE AND DISPOSE OF EXISTING 8" PVC PIPE, COMPLETE IN PLACE	LF	90	\$11.33	\$1,019.70	\$3.98	\$358.20	\$5.00	\$450.00
20	REMOVE AND DISPOSE OF EXISTING 10" PVC PIPE, COMPLETE IN PLACE	LF	36	\$12.21	\$439.56	\$3.98	\$143.28	\$5.00	\$180.00
21	REMOVE AND DISPOSE OF EXISTING 12" CIP PIPE, COMPLETE IN PLACE	LF	259	\$11.76	\$3,045.84	\$3.98	\$1,030.82	\$5.00	\$1,295.00
22	REMOVE AND DISPOSE OF EXISTING 24" CIP PIPE, COMPLETE IN PLACE	LF	41	\$13.33	\$546.53	\$3.98	\$163.18	\$6.00	\$246.00
23	REMOVE AND DISPOSE OF EXISTING 10" RCP PIPE, COMPLETE IN PLACE	LF	94	\$12.43	\$1,168.42	\$3.98	\$374.12	\$7.00	\$658.00
24	REMOVE AND DISPOSE OF EXISTING 12" RCP PIPE, COMPLETE IN PLACE	LF	68	\$13.08	\$889.44	\$3.98	\$270.64	\$8.00	\$544.00

**BID TABULATION FOR:**

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

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
 TO SERVE ORCHID ESTATES  
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
 FORT BEND COUNTY, TEXAS  
 FEBRUARY 23, 2023  
 LJA ENGINEERING, INC.  
 C. DURHAM  
 FEBRUARY 23, 2023  
 7777-1301 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) NORTHTEX CONSTRUCTION, LLC		2) HURTADO CONSTRUCTION COMPANY		3) ENVIRONMENTAL ALLIES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
25	REMOVE AND DISPOSE OF EXISTING 15" RCP PIPE, COMPLETE IN PLACE	LF	94	\$12.43	\$1,168.42	\$3.98	\$374.12	\$9.00	\$846.00
26	REMOVE AND DISPOSE OF EXISTING 18" RCP PIPE, COMPLETE IN PLACE	LF	77	\$12.81	\$986.37	\$3.98	\$306.46	\$10.00	\$770.00
27	REMOVE AND DISPOSE OF EXISTING 24" RCP PIPE, COMPLETE IN PLACE	LF	33	\$13.96	\$460.68	\$3.98	\$131.34	\$11.00	\$363.00
28	REMOVE AND DISPOSE OF EXISTING 30" RCP PIPE, COMPLETE IN PLACE	LF	338	\$12.31	\$4,160.78	\$3.98	\$1,345.24	\$12.00	\$4,056.00
29	REMOVE AND DISPOSE OF EXISTING TYPE "E" INLET, COMPLETE IN PLACE	EA	6	\$571.73	\$3,430.38	\$348.00	\$2,088.00	\$500.00	\$3,000.00
30	REMOVE AND DISPOSE OF EXISTING CONCRETE PAD, AS INDICATED ON SHEET 6, COMPLETE IN PLACE	LS	1	\$2,339.72	\$2,339.72	\$250.00	\$250.00	\$2,500.00	\$2,500.00
31	EXISTING 10" COLUMN OF CONCRETE AT CAPPED WELL AT EXISTING LAKE 9A TO BE REMOVED AND DISPOSED OF, AS SHOWN ON SHEET 10, COMPLETE IN PLACE	LS	1	\$2,852.39	\$2,852.39	\$1,288.00	\$1,288.00	\$5,000.00	\$5,000.00
32	REMOVE AND DISPOSE OF EXISTING 2" CONCRETE COLUMN, AS SHOWN ON SHEET 8, COMPLETE IN PLACE	LS	1	\$748.92	\$748.92	\$388.00	\$388.00	\$1,000.00	\$1,000.00
33	REMOVE AND DISPOSE OF EXISTING BRICK AND CONCRETE FOUNDATION FOR BUDDHA STATUE. OWNER TO REMOVE STATUE PRIOR TO CONTRACTOR REMOVAL OF FOUNDATION, COMPLETE IN PLACE	LS	1	\$1,948.32	\$1,948.32	\$250.00	\$250.00	\$500.00	\$500.00
34	CLEARING & GRUBBING OF EXISTING TREES 12" TO 45" DIAMETER, INCLUDING ROOT RAKING 2' DEEP MINIMUM, ANY TREES SMALLER THAN 12" ARE CONSIDERED INCIDENTAL TO CONTRACT, COMPLETE IN PLACE	EA	12	\$1,211.74	\$14,540.88	\$1,288.00	\$15,456.00	\$1,000.00	\$12,000.00
35	INSTALL, MAINTAIN AND REMOVE STABILIZED CONSTRUCTION ACCESS, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,800.00	\$1,800.00
36	CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00
37	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDING INSPECTIONS, MAINTENANCE OF FILTER FABRIC AND STABILIZED CONSTRUCTION ACCESS, COMPLETE IN PLACE	LS	1	\$2,909.66	\$2,909.66	\$800.00	\$800.00	\$1,800.00	\$1,800.00
38	FURNISH AND INSTALL GROUND WATER CONTROL SYSTEM FOR STORM SEWER, WELL POINTS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1640	\$20.00	\$32,800.00	\$20.00	\$32,800.00	\$26.00	\$42,640.00
39	FURNISH AND INSTALL WET SAND CONSTRUCTION FOR STORM SEWER, ALL SIZES, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1640	\$25.00	\$41,000.00	\$25.00	\$41,000.00	\$25.00	\$41,000.00
40	REMOVE AND DISPOSE OF EXISTING FLAG POLE, COMPLETE IN PLACE	EA	1	\$439.67	\$439.67	\$800.00	\$800.00	\$500.00	\$500.00
41	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, ANY NECESSARY PUMPS, OR ANY TYPE OF GROUNDWATER CONTROL AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), THIS ITEM DOES NOT, NOR DOES ANY OTHER BID ITEM IN THE BID PROPOSAL, ATTEMPT TO INCLUDE PUMPING OUT THE WET BOTTOM OF DETENTION DURING CONSTRUCTION OF THE WET BOTTOM AFTER RAIN EVENTS, PUMPING OUT OF THE WET BOTTOM DURING WET BOTTOM CONSTRUCTION AND CLAY LINER CONSTRUCTION (IF NECESSARY), DUE TO RAINFALL AND INFLOW SHOULD BE CONSIDERED INCIDENTAL TO THE EXCAVATION, COMPLETE IN PLACE	LF	5500	\$20.00	\$110,000.00	\$20.00	\$110,000.00	\$20.00	\$110,000.00
<b>MISCELLANEOUS ITEMS SUBTOTAL:</b>					<b>\$475,227.38</b>	<b>\$402,736.30</b>	<b>\$402,647.00</b>		

**BID TABULATION FOR:**

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
TO SERVE ORCHID ESTATES  
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
FORT BEND COUNTY, TEXAS  
FEBRUARY 23, 2023  
LJA ENGINEERING, INC.  
C. DURHAM  
FEBRUARY 23, 2023  
7777-1301 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	1) NORTHTEX CONSTRUCTION, LLC		2) HURTADO CONSTRUCTION COMPANY		3) ENVIRONMENTAL ALLIES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b><u>BIDDING SUMMARY</u></b>									
	SUBTOTAL DETENTION AND AMENITY LAKE				\$4,356,014.28		\$4,432,652.24		\$5,771,304.92
	SUBTOTAL MISCELLANEOUS ITEMS				\$475,227.38		\$402,736.30		\$402,647.00
	<b>TOTAL AMOUNT BASE BID</b>				<b>\$4,831,241.66</b>		<b>\$4,835,388.54</b>		<b>\$6,173,951.92</b>

LJA Engineering, Inc.

**BID TABULATION FOR:**

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
 TO SERVE ORCHID ESTATES  
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
 FORT BEND COUNTY, TEXAS  
 FEBRUARY 23, 2023  
 LJA ENGINEERING, INC.  
 C. DURHAM  
 FEBRUARY 23, 2023  
 7777-1301 (9.2)

**BID OPENING DATE:**

**BID OPENING LOCATION:**

**TABULATION BY:**

**TABULATION DATE:**

**LJA JOB NO.**

ITEM	DESCRIPTION	UNIT	QTY	4) LONNIE LISCHKA COMPANY, LP		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC		
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>DETENTION AND AMENITY LAKE</b>										
1	EXCAVATION OF MITIGATION & DETENTION POND, DETENTION EXCAVATION AREA, BERM, HAULING STRIPPING, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	CY	306513	\$3.28	\$1,005,362.64	\$3.39	\$1,039,079.07	\$3.40	\$1,042,144.20	
2	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION OF POND BOTTOM, (AS DIRECTED BY THE ENGINEER), INCLUDES EXCAVATION AND PLACEMENT 2' OVER DEPTH, SEPARATING AND STOCKPILING SUITABLE CLAY MATERIAL (LL > 40%, PL > 20%) FROM ONSITE SOILS, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	CY	70124	\$2.00	\$140,248.00	\$4.50	\$315,558.00	\$3.00	\$210,372.00	
3	V-BOTTOM DRAINAGE SWALE WITHIN FUTURE ROAD FOOTPRINT, INCLUDES EXCAVATION, HAULING, PLACEMENT AND COMPACTION OF EXCESS EXCAVATION IN FILL AREAS, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATION OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	19717	\$1.50	\$29,575.50	\$3.00	\$59,151.00	\$2.80	\$55,207.60	
4	V-BOTTOM DRAINAGE SWALE OFFSITE (AS SHOWN ON SHEET 18), INCLUDES EXCAVATION, HAULING, PLACEMENT AND COMPACTION OF EXCESS EXCAVATION IN FILL AREAS, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATION OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	2739	\$2.00	\$5,478.00	\$15.00	\$41,085.00	\$2.80	\$7,669.20	
5	V-BOTTOM DRAINAGE SWALE TO DRAIN TREES (AS SHOWN ON SHEET 16 AND 17), INCLUDES EXCAVATION, HAULING, PLACEMENT AND COMPACTION OF EXCESS EXCAVATION IN FILL AREAS, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATION OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	2700	\$1.50	\$4,050.00	\$3.00	\$8,100.00	\$3.75	\$10,125.00	
6	PROPOSED CONCRETE HARD EDGE WALL (4,000 PSI COMPRESSIVE STRENGTH), INCLUDES SEALED JOINTS, REBAR, AND ALL OTHER APPURTENANCES TO ENSURE LEAK PROOF STRUCTURE, COMPLETE IN PLACE	LF	10187	\$156.80	\$1,597,321.60	\$114.48	\$1,166,207.76	\$205.00	\$2,088,335.00	
7	5" CONCRETE SLOPE PAVING FOR OUTFALL PIPE, TO INCLUDE 24" TOE AROUND PERIMETER OF SLOPE PAVING, COMPLETE IN PLACE	SY	162	\$105.00	\$17,010.00	\$153.72	\$24,902.64	\$110.00	\$17,820.00	
8	3" RIVER ROCK, 6" THICK, TO INCLUDE GRANULAR FILL AND GEOTEXTILE FABRIC, COMPLETE IN PLACE	SY	210	\$43.50	\$9,135.00	\$68.91	\$14,471.10	\$80.00	\$16,800.00	
9	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	22	\$99.00	\$2,178.00	\$90.12	\$1,982.64	\$85.00	\$1,870.00	
10	30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	352	\$105.00	\$36,960.00	\$113.43	\$39,927.36	\$111.00	\$39,072.00	
11	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	136	\$141.00	\$19,176.00	\$156.90	\$21,338.40	\$152.00	\$20,672.00	
12	42" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	513	\$203.00	\$104,139.00	\$208.83	\$107,129.79	\$201.00	\$103,113.00	
13	48" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	148	\$256.00	\$37,888.00	\$250.17	\$37,025.16	\$240.00	\$35,520.00	
14	4' X 3' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	10	\$375.00	\$3,750.00	\$410.22	\$4,102.20	\$355.00	\$3,550.00	
15	5'X5' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	13	\$531.20	\$6,905.60	\$583.20	\$7,581.60	\$535.00	\$6,955.00	
16	7'X7' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	165	\$861.00	\$142,065.00	\$1,023.96	\$168,953.40	\$885.00	\$146,025.00	



**BID TABULATION FOR:**

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
 TO SERVE ORCHID ESTATES  
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
 FORT BEND COUNTY, TEXAS  
 FEBRUARY 23, 2023  
 LJA ENGINEERING, INC.  
 C. DURHAM  
 FEBRUARY 23, 2023  
 7777-1301 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) LONNIE LISCHKA COMPANY, LP		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
17	8'X5' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	470	\$815.00	\$383,050.00	\$991.11	\$465,821.70	\$841.00	\$395,270.00
18	9'X5' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	243	\$1,008.70	\$245,114.10	\$1,180.86	\$286,948.98	\$1,020.00	\$247,860.00
19	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$3,050.00	\$9,150.00	\$4,242.00	\$12,726.00	\$4,700.00	\$14,100.00
20	TYPE "C" MANHOLE FOR 42" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$5,125.00	\$15,375.00	\$9,012.00	\$27,036.00	\$8,500.00	\$25,500.00
21	FINAL ADJUSTMENT OF TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	6	\$200.00	\$1,200.00	\$213.00	\$1,278.00	\$360.00	\$2,160.00
22	TYPE "E" INLET, OPEN ALL SIDES, TO BE CONSTRUCTED ON TOP OF TYPE "C" MANHOLE TOP OR RCB STORM SEWER, AS SHOWN ON SHEET 3, COMPLETE IN PLACE	EA	13	\$3,900.00	\$50,700.00	\$4,770.00	\$62,010.00	\$7,400.00	\$96,200.00
23	TYPE "E" INLET, OPEN ALL SIDES, TO BE CONSTRUCTED ON TOP OF EXIST. TYPE "C" MANHOLE TOP, AS SHOWN ON SHEET 12, COMPLETE IN PLACE	EA	1	\$2,120.00	\$2,120.00	\$3,180.00	\$3,180.00	\$27,500.00	\$27,500.00
24	REINFORCED CONCRETE BOX BEND/COLLAR (SEE DETAILS) WITH TYPE "C" MANHOLE TOP, ALL SIZES AND DEPTHS, INCLUDING ALL NECESSARY APPURTENANCES, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$4,770.00	\$9,540.00	\$4,700.00	\$9,400.00
25	CONCRETE COLLAR FOR CONNECTION OF RCP OR RCB TO THE SIDE OF PROPOSED REINFORCED CONCRETE BOX, ALL SIZES, COMPLETE IN PLACE	EA	5	\$500.00	\$2,500.00	\$108.00	\$540.00	\$1,225.00	\$6,125.00
26	8" BRICK PLUG FOR 48" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$390.00	\$3,510.00	\$531.00	\$4,779.00	\$600.00	\$5,400.00
27	8" BRICK PLUG FOR 54" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$475.00	\$2,375.00	\$636.00	\$3,180.00	\$600.00	\$3,000.00
28	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZE, COMPLETE IN PLACE	LF	2186	\$0.10	\$218.60	\$1.35	\$2,951.10	\$0.10	\$218.60
29	UTILITY SPOILS TO BE HAULED, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	4945	\$2.00	\$9,890.00	\$2.97	\$14,686.65	\$2.50	\$12,362.50
30	NORTHERN CROSSING HEADWALL STRUCTURES (RANGING FROM 11' TO 15' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34A, INCLUDING BLOCKOUT FOR EXIST 48" RCP, FOOTINGS, PROTECTION OF EXISTING 18" SANITARY SEWER, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	552	\$1,320.00	\$728,640.00	\$1,140.00	\$629,280.00	\$1,025.00	\$565,800.00
31	SOUTHERN CROSSING HEADWALL STRUCTURES (RANGING FROM 11' TO 14' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34B, INCLUDING FOOTINGS, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	616	\$1,307.00	\$805,112.00	\$1,140.00	\$702,240.00	\$1,075.00	\$662,200.00
32	SOUTHERN CROSSING HEADWALL STRUCTURES (RANGING FROM 9' TO 10' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34B, INCLUDING OVERFLOW WEIR NOTCH, FOOTINGS, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	60	\$1,225.00	\$73,500.00	\$1,140.00	\$68,400.00	\$1,075.00	\$64,500.00

**BID TABULATION FOR:**

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
 TO SERVE ORCHID ESTATES  
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
 FORT BEND COUNTY, TEXAS  
 FEBRUARY 23, 2023  
 LJA ENGINEERING, INC.  
 C. DURHAM  
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 7777-1301 (9.2)

**BID OPENING DATE:**  
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ITEM	DESCRIPTION	UNIT	QTY	4) LONNIE LISCHKA COMPANY, LP		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
33	SOUTHERN CROSSING HEADWALL STRUCTURES (RANGING FROM 3' TO 6' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34B, INCLUDING PROTECTION OF EXISTING TREES, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 3-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	124	\$980.00	\$121,520.00	\$1,140.00	\$141,360.00	\$850.00	\$105,400.00
34	WESTERN CROSSING HEADWALL STRUCTURES (RANGING FROM 3' TO 7.5' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34C, INCLUDING PROTECTION OF EXISTING TREES, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 3-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	168	\$990.00	\$166,320.00	\$1,140.00	\$191,520.00	\$840.00	\$141,120.00
35	WESTERN CROSSING HEADWALL STRUCTURES (RANGING FROM 10' TO 11' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34C, INCLUDING KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	412	\$1,290.00	\$531,480.00	\$1,140.00	\$469,680.00	\$840.00	\$346,080.00
36	ADDITIONAL COST TO EXTEND THE 2' DEEP TOE WALLS TO 5' DEEP TOE WALLS (3' ADDITIONAL DEPTH) ON THE CAST IN PLACE RETAINING WALL STRUCTURES, PER CY OF STRUCTURAL CONCRETE, 8" THICK, INCLUDING #5 REBAR SPACED AT 12" O.C. EACH WAY, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	238	\$305.00	\$72,590.00	\$1,140.00	\$271,320.00	\$822.00	\$195,636.00
37	COFFER DAM FOR INSTALLATION OF PROPOSED 30" OUTFALLS, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$1.00	\$1.00	\$12,000.00	\$12,000.00	\$10,000.00	\$10,000.00
38	COFFER DAM FOR INSTALLATION OF PROPOSED 42" OUTFALL, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00	\$12,000.00	\$12,000.00	\$12,500.00	\$12,500.00
39	COFFER DAM FOR INSTALLATION OF PROPOSED 48" OUTFALL, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$1.00	\$1.00	\$12,000.00	\$12,000.00	\$12,500.00	\$12,500.00
40	TWO COFFER DAMS FOR INSTALLATION OF PROPOSED 7' X 7' CULVERT CROSSING, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$1.00	\$1.00	\$24,000.00	\$24,000.00	\$25,000.00	\$25,000.00
41	COFFER DAM FOR INSTALLATION OF PROPOSED 8'X5' OUTFALLS, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$1.00	\$1.00	\$12,000.00	\$12,000.00	\$15,500.00	\$15,500.00
42	COFFER DAM FOR EXCAVATION AND CONSTRUCTION OF PROPOSED LAKES TO TIE INTO EXIST. LAKES, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$46,000.00	\$46,000.00	\$12,000.00	\$12,000.00	\$47,000.00	\$47,000.00
43	COFFER DAM FOR EXCAVATION AND CONSTRUCTION OF PROPOSED HARD EDGE IN EXIST. LAKES, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$1.00	\$1.00	\$12,000.00	\$12,000.00	\$41,000.00	\$41,000.00
44	DEMUCKING OF EXISTING 3 PONDS (2A, 6, 9A), SWALES, INCLUDING DRAINING OF PONDS, AS INDICATED ON SHEET 8 AND 9, COMPLETE IN PLACE	CY	50046	\$4.67	\$233,714.82	\$4.50	\$225,207.00	\$3.50	\$175,161.00
45	STAGE I - INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	15	\$10.00	\$150.00	\$159.00	\$2,385.00	\$50.00	\$750.00
46	STAGE II - INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	15	\$10.00	\$150.00	\$159.00	\$2,385.00	\$50.00	\$750.00
47	PROMATRIX HYDROMULCH SEEDING, 4,000 LB/AC MIX, COMPLETE IN PLACE	AC	7	\$5,300.00	\$37,100.00	\$11,448.00	\$80,136.00	\$2,500.00	\$17,500.00
48	BROADCAST SEEDING, COMPLETE IN PLACE	AC	107	\$600.00	\$64,200.00	\$690.00	\$73,830.00	\$600.00	\$64,200.00
49	BERMUDA SOD, COMPLETE IN PLACE	SY	4500	\$7.15	\$32,175.00	\$7.44	\$33,480.00	\$4.75	\$21,375.00
<b>DETENTION AND AMENITY LAKE SUBTOTAL:</b>					<b>\$6,805,101.86</b>		<b>\$6,938,495.55</b>		<b>\$7,174,318.10</b>

**BID TABULATION FOR:**

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
 TO SERVE ORCHID ESTATES  
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
 FORT BEND COUNTY, TEXAS  
 FEBRUARY 23, 2023  
 LJA ENGINEERING, INC.  
 C. DURHAM  
 FEBRUARY 23, 2023  
 7777-1301 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) LONNIE LISCHKA COMPANY, LP		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC		
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>MISCELLANEOUS ITEMS</b>										
1	FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	14500	\$1.50	\$21,750.00	\$2.67	\$38,715.00	\$1.50	\$21,750.00	
2	CONSTRUCTION STAKING BY THE CONTRACTOR PER LJA SURVEYING, INC., 713-953-5200	LS	1	\$27,515.00	\$27,515.00	\$29,166.00	\$29,166.00	\$27,515.00	\$27,515.00	
3	EXTRA SURVEY TRIP FOR RESTAKING PREVIOUSLY PROVIDED CONSTRUCTION STAKES THAT WERE DESTROYED BY OTHERS (THIS ITEM DOES NOT INCLUDE RESTAKING DUE TO CONTRACTOR NEGLIGENCE OR ORDERING STAKING TOO FAR IN ADVANCE), COMPLETE IN PLACE	DAY	1	\$2,200.00	\$2,200.00	\$2,121.00	\$2,121.00	\$2,000.00	\$2,000.00	
4	AS-BUILT SURVEY BY THE CONTRACTOR TO BE PERFORMED BY LJA SURVEYING, INC., 713-953-5200, COMPLETE IN PLACE	LS	1	\$27,500.00	\$27,500.00	\$29,151.00	\$29,151.00	\$27,500.00	\$27,500.00	
5	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$26.52	\$2,652.00	\$20.00	\$2,000.00	
6	TEMPORARY TRAFFIC CONTROL, COMPLETE IN PLACE	LS	1	\$1.00	\$1.00	\$69,900.00	\$69,900.00	\$7,900.00	\$7,900.00	
7	FINAL ADJUSTMENT OF EXISTING SANITARY MANHOLE, COMPLETE IN PLACE	EA	1	\$700.00	\$700.00	\$213.00	\$213.00	\$600.00	\$600.00	
8	FINAL ADJUSTMENT OF EXISTING STORM MANHOLE, COMPLETE IN PLACE	EA	7	\$300.00	\$2,100.00	\$213.00	\$1,491.00	\$600.00	\$4,200.00	
9	FINAL ADJUSTMENT OF EXISTING FIRE HYDRANTS, COMPLETE IN PLACE	EA	3	\$600.00	\$1,800.00	\$531.00	\$1,593.00	\$50.00	\$150.00	
10	EXISTING GRAVEL ROAD TO BE REMOVED AND DISPOSED OF, SEE SHEETS 5-11, COMPLETE IN PLACE	SY	11885	\$2.85	\$33,872.25	\$12.00	\$142,620.00	\$5.50	\$65,367.50	
11	6" NEW GRAVEL ROAD WITH GEOTEXTILE FABRIC, AS SHOWN ON SHEETS 7 AND 10, COMPLETE IN PLACE	SY	1075	\$23.00	\$24,725.00	\$22.11	\$23,768.25	\$21.00	\$22,575.00	
12	REMOVE EXISTING 4FT PLASTIC FENCE, SET ASIDE FOR OWNER TO PICK UP, COMPLETE IN PLACE	LF	487	\$5.00	\$2,435.00	\$4.50	\$2,191.50	\$4.00	\$1,948.00	
13	REMOVE AND CAP EXISTING WATER LINE, ALL SIZES, AND VALVES, WHERE WATERLINE CROSSES EXISTING CONCRETE ROAD THERE SHALL BE NO OPEN CUT, COMPLETE IN PLACE	LF	2695	\$9.00	\$24,255.00	\$9.00	\$24,255.00	\$12.00	\$32,340.00	
14	STEEL CASING FOR 8" WATER LINE, INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	303	\$90.00	\$27,270.00	\$127.20	\$38,541.60	\$85.00	\$25,755.00	
15	RESTRAINED JOINT 8" PVC WATER PIPE, C-900, DR 14, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	331	\$42.50	\$14,067.50	\$74.22	\$24,566.82	\$52.00	\$17,212.00	
16	8" PLUG AND CLAMP WITH 2" BLOW OFF VALVE AND BOX ASSEMBLY, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	2	\$1,000.00	\$2,000.00	\$2,651.00	\$5,302.00	\$845.00	\$1,690.00	
17	REMOVE AND DISPOSE OF EXISTING 4" PVC PIPE, COMPLETE IN PLACE	LF	14	\$5.00	\$70.00	\$1.50	\$21.00	\$13.00	\$182.00	
18	REMOVE AND DISPOSE OF EXISTING 6" PVC PIPE, COMPLETE IN PLACE	LF	91	\$6.00	\$546.00	\$10.50	\$955.50	\$13.00	\$1,183.00	
19	REMOVE AND DISPOSE OF EXISTING 8" PVC PIPE, COMPLETE IN PLACE	LF	90	\$7.00	\$630.00	\$10.50	\$945.00	\$13.00	\$1,170.00	
20	REMOVE AND DISPOSE OF EXISTING 10" PVC PIPE, COMPLETE IN PLACE	LF	36	\$7.00	\$252.00	\$10.50	\$378.00	\$13.00	\$468.00	
21	REMOVE AND DISPOSE OF EXISTING 12" CIP PIPE, COMPLETE IN PLACE	LF	259	\$9.00	\$2,331.00	\$12.00	\$3,108.00	\$13.00	\$3,367.00	
22	REMOVE AND DISPOSE OF EXISTING 24" CIP PIPE, COMPLETE IN PLACE	LF	41	\$15.00	\$615.00	\$30.00	\$1,230.00	\$13.00	\$533.00	
23	REMOVE AND DISPOSE OF EXISTING 10" RCP PIPE, COMPLETE IN PLACE	LF	94	\$10.00	\$940.00	\$15.00	\$1,410.00	\$13.00	\$1,222.00	
24	REMOVE AND DISPOSE OF EXISTING 12" RCP PIPE, COMPLETE IN PLACE	LF	68	\$12.00	\$816.00	\$15.00	\$1,020.00	\$13.00	\$884.00	

**BID TABULATION FOR:**

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
 TO SERVE ORCHID ESTATES  
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
 FORT BEND COUNTY, TEXAS  
 FEBRUARY 23, 2023  
 LJA ENGINEERING, INC.  
 C. DURHAM  
 FEBRUARY 23, 2023  
 7777-1301 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) LONNIE LISCHKA COMPANY, LP		5) LONGHORN EXCAVATORS, INC.		6) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
25	REMOVE AND DISPOSE OF EXISTING 15" RCP PIPE, COMPLETE IN PLACE	LF	94	\$15.00	\$1,410.00	\$15.00	\$1,410.00	\$18.00	\$1,692.00
26	REMOVE AND DISPOSE OF EXISTING 18" RCP PIPE, COMPLETE IN PLACE	LF	77	\$15.00	\$1,155.00	\$18.00	\$1,386.00	\$18.00	\$1,386.00
27	REMOVE AND DISPOSE OF EXISTING 24" RCP PIPE, COMPLETE IN PLACE	LF	33	\$16.00	\$528.00	\$24.00	\$792.00	\$18.00	\$594.00
28	REMOVE AND DISPOSE OF EXISTING 30" RCP PIPE, COMPLETE IN PLACE	LF	338	\$18.00	\$6,084.00	\$30.00	\$10,140.00	\$18.00	\$6,084.00
29	REMOVE AND DISPOSE OF EXISTING TYPE "E" INLET, COMPLETE IN PLACE	EA	6	\$350.00	\$2,100.00	\$3,000.00	\$18,000.00	\$550.00	\$3,300.00
30	REMOVE AND DISPOSE OF EXISTING CONCRETE PAD, AS INDICATED ON SHEET 6, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$1,590.00	\$1,590.00	\$3,350.00	\$3,350.00
31	EXISTING 10" COLUMN OF CONCRETE AT CAPPED WELL AT EXISTING LAKE 9A TO BE REMOVED AND DISPOSED OF, AS SHOWN ON SHEET 10, COMPLETE IN PLACE	LS	1	\$800.00	\$800.00	\$1,590.00	\$1,590.00	\$6,700.00	\$6,700.00
32	REMOVE AND DISPOSE OF EXISTING 2" CONCRETE COLUMN, AS SHOWN ON SHEET 8, COMPLETE IN PLACE	LS	1	\$600.00	\$600.00	\$1,590.00	\$1,590.00	\$2,100.00	\$2,100.00
33	REMOVE AND DISPOSE OF EXISTING BRICK AND CONCRETE FOUNDATION FOR BUDDHA STATUE. OWNER TO REMOVE STATUE PRIOR TO CONTRACTOR REMOVAL OF FOUNDATION, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,590.00	\$1,590.00	\$6,700.00	\$6,700.00
34	CLEARING & GRUBBING OF EXISTING TREES 12" TO 45" DIAMETER, INCLUDING ROOT RAKING 2' DEEP MINIMUM, ANY TREES SMALLER THAN 12" ARE CONSIDERED INCIDENTAL TO CONTRACT, COMPLETE IN PLACE	EA	12	\$2,000.00	\$24,000.00	\$3,180.00	\$38,160.00	\$750.00	\$9,000.00
35	INSTALL, MAINTAIN AND REMOVE STABILIZED CONSTRUCTION ACCESS, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00
36	CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$3,000.00	\$3,000.00	\$500.00	\$500.00
37	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDING INSPECTIONS, MAINTENANCE OF FILTER FABRIC AND STABILIZED CONSTRUCTION ACCESS, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$6,900.00	\$6,900.00	\$2,500.00	\$2,500.00
38	FURNISH AND INSTALL GROUND WATER CONTROL SYSTEM FOR STORM SEWER, WELL POINTS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1640	\$20.00	\$32,800.00	\$21.21	\$34,784.40	\$20.00	\$32,800.00
39	FURNISH AND INSTALL WET SAND CONSTRUCTION FOR STORM SEWER, ALL SIZES, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1640	\$25.00	\$41,000.00	\$26.52	\$43,492.80	\$25.00	\$41,000.00
40	REMOVE AND DISPOSE OF EXISTING FLAG POLE, COMPLETE IN PLACE	EA	1	\$300.00	\$300.00	\$2,700.00	\$2,700.00	\$2,100.00	\$2,100.00
41	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, ANY NECESSARY PUMPS, OR ANY TYPE OF GROUNDWATER CONTROL AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), THIS ITEM DOES NOT, NOR DOES ANY OTHER BID ITEM IN THE BID PROPOSAL, ATTEMPT TO INCLUDE PUMPING OUT THE WET BOTTOM OF DETENTION DURING CONSTRUCTION OF THE WET BOTTOM AFTER RAIN EVENTS, PUMPING OUT OF THE WET BOTTOM DURING WET BOTTOM CONSTRUCTION AND CLAY LINER CONSTRUCTION (IF NECESSARY), DUE TO RAINFALL AND INFLOW SHOULD BE CONSIDERED INCIDENTAL TO THE EXCAVATION, COMPLETE IN PLACE	LF	5500	\$20.00	\$110,000.00	\$21.00	\$115,500.00	\$20.00	\$110,000.00
<b>MISCELLANEOUS ITEMS SUBTOTAL:</b>					<b>\$446,667.75</b>		<b>\$730,939.87</b>		<b>\$500,317.50</b>

**BID TABULATION FOR:**

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
TO SERVE ORCHID ESTATES  
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
FORT BEND COUNTY, TEXAS  
FEBRUARY 23, 2023  
LJA ENGINEERING, INC.  
C. DURHAM  
FEBRUARY 23, 2023  
7777-1301 (9.2)

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

4) LONNIE LISCHKA COMPANY, LP  
UNIT COST      TOTAL COST

5) LONGHORN EXCAVATORS, INC.  
UNIT COST      TOTAL COST

6) R CONSTRUCTION CIVIL, LLC  
UNIT COST      TOTAL COST

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b><u>BIDDING SUMMARY</u></b>									
	SUBTOTAL DETENTION AND AMENITY LAKE				\$6,805,101.86		\$6,938,495.55		\$7,174,318.10
	SUBTOTAL MISCELLANEOUS ITEMS				\$446,667.75		\$730,939.87		\$500,317.50
	<b>TOTAL AMOUNT BASE BID</b>				<b>\$7,251,769.61</b>		<b>\$7,669,435.42</b>		<b>\$7,674,635.60</b>

LJA Engineering, Inc.

**BID TABULATION FOR:**

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
 TO SERVE ORCHID ESTATES  
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
 FORT BEND COUNTY, TEXAS  
 FEBRUARY 23, 2023  
 LJA ENGINEERING, INC.  
 C. DURHAM  
 FEBRUARY 23, 2023  
 7777-1301 (9.2)

**BID OPENING DATE:**

**BID OPENING LOCATION:**

**TABULATION BY:**

**TABULATION DATE:**

**LJA JOB NO.**

7) SONORA CONSTRUCTION

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
<b>DETENTION AND AMENITY LAKE</b>					
1	EXCAVATION OF MITIGATION & DETENTION POND, DETENTION EXCAVATION AREA, BERM, HAULING STRIPPING, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	CY	306513	\$4.50	\$1,379,308.50
2	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION OF POND BOTTOM, (AS DIRECTED BY THE ENGINEER), INCLUDES EXCAVATION AND PLACEMENT 2' OVER DEPTH, SEPARATING AND STOCKPILING SUITABLE CLAY MATERIAL (LL > 40%, PL > 20%) FROM ONSITE SOILS, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	CY	70124	\$1.00	\$70,124.00
3	V-BOTTOM DRAINAGE SWALE WITHIN FUTURE ROAD FOOTPRINT, INCLUDES EXCAVATION, HAULING, PLACEMENT AND COMPACTION OF EXCESS EXCAVATION IN FILL AREAS, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATION OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	19717	\$3.00	\$59,151.00
4	V-BOTTOM DRAINAGE SWALE OFFSITE (AS SHOWN ON SHEET 18), INCLUDES EXCAVATION, HAULING, PLACEMENT AND COMPACTION OF EXCESS EXCAVATION IN FILL AREAS, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATION OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	2739	\$3.00	\$8,217.00
5	V-BOTTOM DRAINAGE SWALE TO DRAIN TREES (AS SHOWN ON SHEET 16 AND 17), INCLUDES EXCAVATION, HAULING, PLACEMENT AND COMPACTION OF EXCESS EXCAVATION IN FILL AREAS, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATION OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	2700	\$3.00	\$8,100.00
6	PROPOSED CONCRETE HARD EDGE WALL (4,000 PSI COMPRESSIVE STRENGTH), INCLUDES SEALED JOINTS, REBAR, AND ALL OTHER APPURTENANCES TO ENSURE LEAK PROOF STRUCTURE, COMPLETE IN PLACE	LF	10187	\$268.00	\$2,730,116.00
7	5" CONCRETE SLOPE PAVING FOR OUTFALL PIPE, TO INCLUDE 24" TOE AROUND PERIMETER OF SLOPE PAVING, COMPLETE IN PLACE	SY	162	\$124.00	\$20,088.00
8	3" RIVER ROCK, 6" THICK, TO INCLUDE GRANULAR FILL AND GEOTEXTILE FABRIC, COMPLETE IN PLACE	SY	210	\$97.00	\$20,370.00
9	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	22	\$113.00	\$2,486.00
10	30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	352	\$130.00	\$45,760.00
11	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	136	\$184.00	\$25,024.00
12	42" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	513	\$232.00	\$119,016.00
13	48" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	148	\$275.00	\$40,700.00
14	4' X 3' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	10	\$400.00	\$4,000.00
15	5'X5' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	13	\$562.00	\$7,306.00
16	7'X7' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	165	\$994.00	\$164,010.00

**BID TABULATION FOR:**

**BID OPENING DATE:**

**BID OPENING LOCATION:**

**TABULATION BY:**

**TABULATION DATE:**

**LJA JOB NO.**

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
 TO SERVE ORCHID ESTATES  
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
 FORT BEND COUNTY, TEXAS  
 FEBRUARY 23, 2023  
 LJA ENGINEERING, INC.  
 C. DURHAM  
 FEBRUARY 23, 2023  
 7777-1301 (9.2)

7) SONORA CONSTRUCTION

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
17	8'X5' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	470	\$940.00	\$441,800.00
18	9'X5' RCB STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	243	\$1,107.00	\$269,001.00
19	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$3,565.00	\$10,695.00
20	TYPE "C" MANHOLE FOR 42" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$3,780.00	\$11,340.00
21	FINAL ADJUSTMENT OF TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	6	\$1.00	\$6.00
22	TYPE "E" INLET, OPEN ALL SIDES, TO BE CONSTRUCTED ON TOP OF TYPE "C" MANHOLE TOP OR RCB STORM SEWER, AS SHOWN ON SHEET 3, COMPLETE IN PLACE	EA	13	\$2,592.00	\$33,696.00
23	TYPE "E" INLET, OPEN ALL SIDES, TO BE CONSTRUCTED ON TOP OF EXIST. TYPE "C" MANHOLE TOP, AS SHOWN ON SHEET 12, COMPLETE IN PLACE	EA	1	\$2,916.00	\$2,916.00
24	REINFORCED CONCRETE BOX BEND/COLLAR (SEE DETAILS) WITH TYPE "C" MANHOLE TOP, ALL SIZES AND DEPTHS, INCLUDING ALL NECESSARY APPURTENANCES, COMPLETE IN PLACE	EA	2	\$1,080.00	\$2,160.00
25	CONCRETE COLLAR FOR CONNECTION OF RCP OR RCB TO THE SIDE OF PROPOSED REINFORCED CONCRETE BOX, ALL SIZES, COMPLETE IN PLACE	EA	5	\$1,080.00	\$5,400.00
26	8" BRICK PLUG FOR 48" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$270.00	\$2,430.00
27	8" BRICK PLUG FOR 54" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$550.00	\$2,750.00
28	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZE, COMPLETE IN PLACE	LF	2186	\$1.00	\$2,186.00
29	UTILITY SPOILS TO BE HAULED, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	4945	\$4.20	\$20,769.00
30	NORTHERN CROSSING HEADWALL STRUCTURES (RANGING FROM 11' TO 15' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34A, INCLUDING BLOCKOUT FOR EXIST 48" RCP, FOOTINGS, PROTECTION OF EXISTING 18" SANITARY SEWER, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	552	\$1,128.00	\$622,656.00
31	SOUTHERN CROSSING HEADWALL STRUCTURES (RANGING FROM 11' TO 14' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34B, INCLUDING FOOTINGS, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	616	\$1,128.00	\$694,848.00
32	SOUTHERN CROSSING HEADWALL STRUCTURES (RANGING FROM 9' TO 10' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34B, INCLUDING OVERFLOW WEIR NOTCH, FOOTINGS, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	60	\$1,128.00	\$67,680.00

**BID TABULATION FOR:**

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
 TO SERVE ORCHID ESTATES  
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
 FORT BEND COUNTY, TEXAS  
 FEBRUARY 23, 2023  
 LJA ENGINEERING, INC.  
 C. DURHAM  
 FEBRUARY 23, 2023  
 7777-1301 (9.2)

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

7) SONORA CONSTRUCTION

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
33	SOUTHERN CROSSING HEADWALL STRUCTURES (RANGING FROM 3' TO 6' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34B, INCLUDING PROTECTION OF EXISTING TREES, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 3-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	124	\$1,128.00	\$139,872.00
34	WESTERN CROSSING HEADWALL STRUCTURES (RANGING FROM 3' TO 7.5' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34C, INCLUDING PROTECTION OF EXISTING TREES, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 3-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	168	\$1,128.00	\$189,504.00
35	WESTERN CROSSING HEADWALL STRUCTURES (RANGING FROM 10' TO 11' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON 34C, INCLUDING KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	412	\$1,128.00	\$464,736.00
36	ADDITIONAL COST TO EXTEND THE 2' DEEP TOE WALLS TO 5' DEEP TOE WALLS (3' ADDITIONAL DEPTH) ON THE CAST IN PLACE RETAINING WALL STRUCTURES, PER CY OF STRUCTURAL CONCRETE, 8" THICK, INCLUDING #5 REBAR SPACED AT 12" O.C. EACH WAY, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	238	\$1,128.00	\$268,464.00
37	COFFER DAM FOR INSTALLATION OF PROPOSED 30" OUTFALLS, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$1,080.00	\$1,080.00
38	COFFER DAM FOR INSTALLATION OF PROPOSED 42" OUTFALL, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$1,080.00	\$1,080.00
39	COFFER DAM FOR INSTALLATION OF PROPOSED 48" OUTFALL, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$1,080.00	\$1,080.00
40	TWO COFFER DAMS FOR INSTALLATION OF PROPOSED 7' X 7' CULVERT CROSSING, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$2,160.00	\$2,160.00
41	COFFER DAM FOR INSTALLATION OF PROPOSED 8'X5' OUTFALLS, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$1,080.00	\$1,080.00
42	COFFER DAM FOR EXCAVATION AND CONSTRUCTION OF PROPOSED LAKES TO TIE INTO EXIST. LAKES, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$12,000.00	\$12,000.00
43	COFFER DAM FOR EXCAVATION AND CONSTRUCTION OF PROPOSED HARD EDGE IN EXIST. LAKES, TO INCLUDE INSTALLATION AND REMOVAL, COMPLETE IN PLACE	LS	1	\$3,240.00	\$3,240.00
44	DEMUCKING OF EXISTING 3 PONDS (2A, 6, 9A), SWALES, INCLUDING DRAINING OF PONDS, AS INDICATED ON SHEET 8 AND 9, COMPLETE IN PLACE	CY	50046	\$2.50	\$125,115.00
45	STAGE I - INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	15	\$60.00	\$900.00
46	STAGE II - INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	15	\$60.00	\$900.00
47	PROMATRIX HYDROMULCH SEEDING, 4,000 LB/AC MIX, COMPLETE IN PLACE	AC	7	\$5,500.00	\$38,500.00
48	BROADCAST SEEDING, COMPLETE IN PLACE	AC	107	\$600.00	\$64,200.00
49	BERMUDA SOD, COMPLETE IN PLACE	SY	4500	\$7.00	\$31,500.00
<b>DETENTION AND AMENITY LAKE SUBTOTAL:</b>					<b>\$8,239,520.50</b>



**BID TABULATION FOR:**

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
 TO SERVE ORCHID ESTATES  
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
 FORT BEND COUNTY, TEXAS  
 FEBRUARY 23, 2023  
 LJA ENGINEERING, INC.  
 C. DURHAM  
 FEBRUARY 23, 2023  
 7777-1301 (9.2)

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

## 7) SONORA CONSTRUCTION

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
<b>MISCELLANEOUS ITEMS</b>					
1	FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	14500	\$1.50	\$21,750.00
2	CONSTRUCTION STAKING BY THE CONTRACTOR PER LJA SURVEYING, INC., 713-953-5200	LS	1	\$27,515.00	\$27,515.00
3	EXTRA SURVEY TRIP FOR RESTAKING PREVIOUSLY PROVIDED CONSTRUCTION STAKES THAT WERE DESTROYED BY OTHERS (THIS ITEM DOES NOT INCLUDE RESTAKING DUE TO CONTRACTOR NEGLIGENCE OR ORDERING STAKING TOO FAR IN ADVANCE), COMPLETE IN PLACE	DAY	1	\$2,000.00	\$2,000.00
4	AS-BUILT SURVEY BY THE CONTRACTOR TO BE PERFORMED BY LJA SURVEYING, INC., 713-953-5200, COMPLETE IN PLACE	LS	1	\$27,500.00	\$27,500.00
5	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00
6	TEMPORARY TRAFFIC CONTROL, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00
7	FINAL ADJUSTMENT OF EXISTING SANITARY MANHOLE, COMPLETE IN PLACE	EA	1	\$300.00	\$300.00
8	FINAL ADJUSTMENT OF EXISTING STORM MANHOLE, COMPLETE IN PLACE	EA	7	\$300.00	\$2,100.00
9	FINAL ADJUSTMENT OF EXISTING FIRE HYDRANTS, COMPLETE IN PLACE	EA	3	\$1,800.00	\$5,400.00
10	EXISTING GRAVEL ROAD TO BE REMOVED AND DISPOSED OF, SEE SHEETS 5-11, COMPLETE IN PLACE	SY	11885	\$4.00	\$47,540.00
11	6" NEW GRAVEL ROAD WITH GEOTEXTILE FABRIC, AS SHOWN ON SHEETS 7 AND 10, COMPLETE IN PLACE	SY	1075	\$26.00	\$27,950.00
12	REMOVE EXISTING 4FT PLASTIC FENCE, SET ASIDE FOR OWNER TO PICK UP, COMPLETE IN PLACE	LF	487	\$6.00	\$2,922.00
13	REMOVE AND CAP EXISTING WATER LINE, ALL SIZES, AND VALVES, WHERE WATERLINE CROSSES EXISTING CONCRETE ROAD THERE SHALL BE NO OPEN CUT, COMPLETE IN PLACE	LF	2695	\$12.00	\$32,340.00
14	STEEL CASING FOR 8" WATER LINE, INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	303	\$80.00	\$24,240.00
15	RESTRAINED JOINT 8" PVC WATER PIPE, C-900, DR 14, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	331	\$102.00	\$33,762.00
16	8" PLUG AND CLAMP WITH 2" BLOW OFF VALVE AND BOX ASSEMBLY, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	EA	2	\$1,836.00	\$3,672.00
17	REMOVE AND DISPOSE OF EXISTING 4" PVC PIPE, COMPLETE IN PLACE	LF	14	\$35.00	\$490.00
18	REMOVE AND DISPOSE OF EXISTING 6" PVC PIPE, COMPLETE IN PLACE	LF	91	\$35.00	\$3,185.00
19	REMOVE AND DISPOSE OF EXISTING 8" PVC PIPE, COMPLETE IN PLACE	LF	90	\$35.00	\$3,150.00
20	REMOVE AND DISPOSE OF EXISTING 10" PVC PIPE, COMPLETE IN PLACE	LF	36	\$35.00	\$1,260.00
21	REMOVE AND DISPOSE OF EXISTING 12" CIP PIPE, COMPLETE IN PLACE	LF	259	\$35.00	\$9,065.00
22	REMOVE AND DISPOSE OF EXISTING 24" CIP PIPE, COMPLETE IN PLACE	LF	41	\$35.00	\$1,435.00
23	REMOVE AND DISPOSE OF EXISTING 10" RCP PIPE, COMPLETE IN PLACE	LF	94	\$35.00	\$3,290.00
24	REMOVE AND DISPOSE OF EXISTING 12" RCP PIPE, COMPLETE IN PLACE	LF	68	\$35.00	\$2,380.00

**BID TABULATION FOR:**

CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
 TO SERVE ORCHID ESTATES  
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
 FORT BEND COUNTY, TEXAS  
 FEBRUARY 23, 2023  
 LJA ENGINEERING, INC.  
 C. DURHAM  
 FEBRUARY 23, 2023  
 7777-1301 (9.2)

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## 7) SONORA CONSTRUCTION

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
25	REMOVE AND DISPOSE OF EXISTING 15" RCP PIPE, COMPLETE IN PLACE	LF	94	\$35.00	\$3,290.00
26	REMOVE AND DISPOSE OF EXISTING 18" RCP PIPE, COMPLETE IN PLACE	LF	77	\$35.00	\$2,695.00
27	REMOVE AND DISPOSE OF EXISTING 24" RCP PIPE, COMPLETE IN PLACE	LF	33	\$35.00	\$1,155.00
28	REMOVE AND DISPOSE OF EXISTING 30" RCP PIPE, COMPLETE IN PLACE	LF	338	\$35.00	\$11,830.00
29	REMOVE AND DISPOSE OF EXISTING TYPE "E" INLET, COMPLETE IN PLACE	EA	6	\$1,800.00	\$10,800.00
30	REMOVE AND DISPOSE OF EXISTING CONCRETE PAD, AS INDICATED ON SHEET 6, COMPLETE IN PLACE	LS	1	\$2,500.00	\$2,500.00
31	EXISTING 10" COLUMN OF CONCRETE AT CAPPED WELL AT EXISTING LAKE 9A TO BE REMOVED AND DISPOSED OF, AS SHOWN ON SHEET 10, COMPLETE IN PLACE	LS	1	\$4,200.00	\$4,200.00
32	REMOVE AND DISPOSE OF EXISTING 2" CONCRETE COLUMN, AS SHOWN ON SHEET 8, COMPLETE IN PLACE	LS	1	\$4,200.00	\$4,200.00
33	REMOVE AND DISPOSE OF EXISTING BRICK AND CONCRETE FOUNDATION FOR BUDDHA STATUE. OWNER TO REMOVE STATUE PRIOR TO CONTRACTOR REMOVAL OF FOUNDATION, COMPLETE IN PLACE	LS	1	\$3,600.00	\$3,600.00
34	CLEARING & GRUBBING OF EXISTING TREES 12" TO 45" DIAMETER, INCLUDING ROOT RAKING 2' DEEP MINIMUM, ANY TREES SMALLER THAN 12" ARE CONSIDERED INCIDENTAL TO CONTRACT, COMPLETE IN PLACE	EA	12	\$2,850.00	\$34,200.00
35	INSTALL, MAINTAIN AND REMOVE STABILIZED CONSTRUCTION ACCESS, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00
36	CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00
37	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDING INSPECTIONS, MAINTENANCE OF FILTER FABRIC AND STABILIZED CONSTRUCTION ACCESS, COMPLETE IN PLACE	LS	1	\$1,200.00	\$1,200.00
38	FURNISH AND INSTALL GROUND WATER CONTROL SYSTEM FOR STORM SEWER, WELL POINTS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1640	\$20.00	\$32,800.00
39	FURNISH AND INSTALL WET SAND CONSTRUCTION FOR STORM SEWER, ALL SIZES, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1640	\$25.00	\$41,000.00
40	REMOVE AND DISPOSE OF EXISTING FLAG POLE, COMPLETE IN PLACE	EA	1	\$2,500.00	\$2,500.00
41	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, ANY NECESSARY PUMPS, OR ANY TYPE OF GROUNDWATER CONTROL AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), THIS ITEM DOES NOT, NOR DOES ANY OTHER BID ITEM IN THE BID PROPOSAL, ATTEMPT TO INCLUDE PUMPING OUT THE WET BOTTOM OF DETENTION DURING CONSTRUCTION OF THE WET BOTTOM AFTER RAIN EVENTS, PUMPING OUT OF THE WET BOTTOM DURING WET BOTTOM CONSTRUCTION AND CLAY LINER CONSTRUCTION (IF NECESSARY), DUE TO RAINFALL AND INFLOW SHOULD BE CONSIDERED INCIDENTAL TO THE EXCAVATION, COMPLETE IN PLACE	LF	5500	\$20.00	\$110,000.00

**MISCELLANEOUS ITEMS SUBTOTAL:****\$554,216.00**

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CONSTRUCTION OF THE DETENTION FACILITIES AND AMENITY LAKES  
TO SERVE ORCHID ESTATES  
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213  
FORT BEND COUNTY, TEXAS  
FEBRUARY 23, 2023  
LJA ENGINEERING, INC.  
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7) SONORA CONSTRUCTION

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
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**BIDDING SUMMARY**

SUBTOTAL DETENTION AND AMENITY LAKE					\$8,239,520.50
SUBTOTAL MISCELLANEOUS ITEMS					\$554,216.00
<b>TOTAL AMOUNT BASE BID</b>					<b>\$8,793,736.50</b>

LJA Engineering, Inc.