

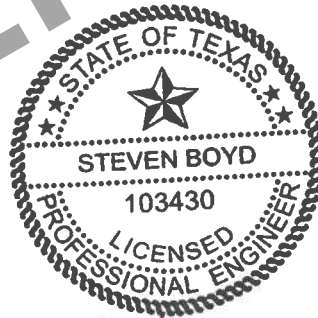
BID TABULATION FOR:

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TABULATION DATE:
LJA JOB NO.

CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE FACILITIES
TO SERVE ORCHID ESTATES SECTION ONE
TWINWOOD MUNICIPAL UTILITY DISTRICT NO. 1
FORT BEND COUNTY, TEXAS
DECEMBER 14, 2023
LJA ENGINEERING, INC.
C CORTEZ
DECEMBER 14, 2023
7777-1310D (9.2)

BIDDER'S NAME	TOTAL AMOUNT BID
1) R CONSTRUCTION CIVIL, LLC	\$2,467,322.10
2) NORTHTEX CONSTRUCTION, LLC	\$2,526,145.69
3) CROSTEX CONSTRUCTION INC.	\$2,835,000.00
4) HARRIS CONSTRUCTION COMPANY, LLC	\$3,286,063.75

CALENDAR DAYS 45/55



Steven Boyd

12/14/2023

I, STEVEN BOYD, P.E., hereby certify these bid tabulations to be true and correct.

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				1) R CONSTRUCTION CIVIL, LLC		2) NORTHTEX CONSTRUCTION, LLC		3) CROSTEX CONSTRUCTION INC.	
ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
SECTION ONE - WATER ITEMS									
1	8" PVC WATER LINE, C-900, DR 18, CLASS 235, RESTRAINED JOINT, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	651	\$51.00	\$33,201.00	\$49.74	\$32,380.74	\$45.00	\$29,295.00
2	8" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1115	\$33.00	\$36,795.00	\$39.97	\$44,566.55	\$42.00	\$46,830.00
3	12" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	194	\$64.00	\$12,416.00	\$72.71	\$14,105.74	\$86.00	\$16,684.00
4	12" PVC WATER LINE, C-900, DR18, CLASS 235, RESTRAINED JOINT, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	40	\$81.00	\$3,240.00	\$70.62	\$2,824.80	\$152.00	\$6,080.00
5	16" PVC WATER LINE, C-900, DR 18, CLASS 235, RESTRAINED JOINT, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1060	\$135.00	\$143,100.00	\$128.56	\$136,273.60	\$135.00	\$143,100.00
6	16" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	635	\$90.00	\$57,150.00	\$109.96	\$69,824.60	\$158.00	\$100,330.00
7	TRENCHLESS CONSTRUCTION OF 8" PVC WATER LINE, TO INCLUDE 8" PVC WATERLINE, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	220	\$117.00	\$25,740.00	\$59.69	\$13,131.80	\$85.00	\$18,700.00
8	TRENCHLESS CONSTRUCTION OF 16" PVC WATER LINE, TO INCLUDE 16" PVC WATERLINE, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	141	\$230.00	\$32,430.00	\$184.71	\$26,044.11	\$185.00	\$26,085.00
9	TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	3840	\$0.10	\$384.00	\$0.47	\$1,804.80	\$1.00	\$3,840.00
10	UTILITY SPOIL TO BE HAULED, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	1514	\$1.00	\$1,514.00	\$1.98	\$2,997.72	\$3.50	\$5,299.00
11	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	6	\$1,775.00	\$10,650.00	\$2,488.45	\$14,930.70	\$1,600.00	\$9,600.00
12	12" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	1	\$3,300.00	\$3,300.00	\$4,283.27	\$4,283.27	\$3,500.00	\$3,500.00
13	16" AWWA BUTTERFLY VALVE AND BOX, COMPLETE IN PLACE	EA	5	\$5,400.00	\$27,000.00	\$2,267.07	\$11,335.35	\$8,000.00	\$40,000.00
14	8" PLUG AND CLAMP WITH 2" BLOW OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	1	\$1,250.00	\$1,250.00	\$2,294.93	\$2,294.93	\$1,800.00	\$1,800.00
15	12" PLUG AND CLAMP WITH 2" BLOW OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	1	\$1,400.00	\$1,400.00	\$2,451.48	\$2,451.48	\$1,900.00	\$1,900.00
16	16" PLUG AND CLAMP WITH 2" BLOW OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	1	\$1,700.00	\$1,700.00	\$2,842.85	\$2,842.85	\$3,000.00	\$3,000.00
17	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE AND BOX, 6" LEAD AND FIRE HYDRANT, BEDDING AND BACKFILL AND TRENCH SAFETY, COMPLETE IN PLACE	EA	9	\$5,800.00	\$52,200.00	\$6,682.06	\$60,138.54	\$7,000.00	\$63,000.00
18	6" IRRIGATION SLEEVES, INSTALL COMPLETE IN PLACE	LF	1141	\$25.00	\$28,525.00	\$31.98	\$36,489.18	\$35.00	\$39,935.00
19	REMOVE EXISTING 16" PLUG, CLAMP, & BLOW OFF VALVE AND CONNECT PROP. 16" W.L., INCLUDE ALL NECESSARY ADAPTORS AND CONNECTIONS, COMPLETE IN PLACE	EA	2	\$1,100.00	\$2,200.00	\$1,393.48	\$2,786.96	\$3,000.00	\$6,000.00

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ITEM	DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL, LLC		2) NORTHTEX CONSTRUCTION, LLC		3) CROSTEX CONSTRUCTION INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
20	AIR RELEASE VALVE, MANHOLE AND VENT, COMPLETE IN PLACE	EA	1	\$4,450.00	\$4,450.00	\$5,000.77	\$5,000.77	\$7,000.00	\$7,000.00
21	ADJUST EXIST. AIR RELEASE VALVE, MANHOLE AND VENT, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$941.88	\$941.88	\$1,500.00	\$1,500.00
22	ADDITIONAL CAST IRON WATER LINE FITTINGS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	2	\$1,000.00	\$2,000.00	\$6,836.00	\$13,672.00	\$4,000.00	\$8,000.00
23	24" STEEL CASING FOR 16" WATER LINE, TO INCLUDE 16" WATER LINE, C-900, DR 18 CLASS 235, RESTRAINED JOINT, INCLUDES SPACERS AND END CAPS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	42	\$195.00	\$8,190.00	\$269.31	\$11,311.02	\$400.00	\$16,800.00
SECTION ONE - WATER ITEMS SUBTOTAL:					\$488,935.00		\$512,433.39		\$598,278.00
SECTION ONE - SANITARY SEWER ITEMS									
1	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 0'-12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1415	\$37.00	\$52,355.00	\$44.38	\$62,797.70	\$42.00	\$59,430.00
2	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 12'-16' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	101	\$37.00	\$3,737.00	\$59.17	\$5,976.17	\$48.00	\$4,848.00
3	12" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16'-20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	375	\$68.00	\$25,500.00	\$97.71	\$36,641.25	\$83.00	\$31,125.00
4	15" PVC SEWER PIPE, ASTM D-3034, SDR 26, 12'-16' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	96	\$73.00	\$7,008.00	\$88.58	\$8,503.68	\$97.00	\$9,312.00
5	15" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16'-20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1409	\$85.00	\$119,765.00	\$116.64	\$164,345.76	\$106.00	\$149,354.00
6	TRENCHLESS CONSTRUCTION OF 8" PVC SANITARY SEWER, ASTM D-3034, SDR 26, TO INCLUDE 8" PVC SANITARY SEWER, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	174	\$127.00	\$22,098.00	\$62.35	\$10,848.90	\$115.00	\$20,010.00
7	TRENCHLESS CONSTRUCTION OF 15" PVC SANITARY SEWER, ASTM D-3034, SDR 26, TO INCLUDE 15" PVC SANITARY SEWER, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	254	\$350.00	\$88,900.00	\$123.03	\$31,249.62	\$195.00	\$49,530.00
8	30" STEEL CASING FOR 15" SANITARY SEWER, SPACERS AND ENDCAPS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	196	\$165.00	\$32,340.00	\$202.56	\$39,701.76	\$200.00	\$39,200.00
9	REMOVE AND DISPOSE OF EXISTING 15" SANITARY SEWER PLUG AND CONNECT PROPOSED 15" SANITARY SEWER, COMPLETE IN PLACE	EA	1	\$250.00	\$250.00	\$1,948.78	\$1,948.78	\$1,500.00	\$1,500.00
10	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3686	\$0.10	\$368.60	\$0.81	\$2,985.66	\$1.00	\$3,686.00
11	STANDARD SANITARY SEWER MANHOLE (0'-8' DEPTH), (INCLUDES INFLOW PROTECTOR), COMPLETE IN PLACE	EA	30	\$3,100.00	\$93,000.00	\$4,652.43	\$139,572.90	\$3,800.00	\$114,000.00
12	15" SANITARY SEWER PLUG, COMPLETE IN PLACE	EA	1	\$230.00	\$230.00	\$844.98	\$844.98	\$850.00	\$850.00
13	FINAL ADJUSTMENT OF EXISTING SANITARY MANHOLE, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$525.59	\$525.59	\$150.00	\$150.00
14	EXTRA VERTICAL DEPTH FOR SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	199.1	\$185.00	\$36,833.50	\$301.92	\$60,112.27	\$380.00	\$75,658.00
15	STANDARD SANITARY SEWER MANHOLE EXTERNAL DROP STRUCTURE, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$360.00	\$720.00	\$1,350.54	\$2,701.08	\$750.00	\$1,500.00
16	EXTRA DEPTH ON STANDARD SANITARY SEWER MANHOLE DROP STRUCTURE (OVER 2.0'), COMPLETE IN PLACE	VF	10.7	\$17.00	\$181.90	\$15.65	\$167.46	\$75.00	\$802.50

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TO SERVE ORCHID ESTATES SECTION ONE
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ITEM	DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL, LLC		2) NORTHTEX CONSTRUCTION, LLC		3) CROSTEX CONSTRUCTION INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
17	SHORT SIDE SINGLE OR DOUBLE 6" GREEN PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, TRENCH SAFETY, RISER/STACK, WYE, PLUG, MARKER, MANHOLE DROPS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	10	\$950.00	\$9,500.00	\$1,333.29	\$13,332.90	\$1,980.00	\$19,800.00
18	LONG SIDE SINGLE OR DOUBLE 6" GREEN PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, TRENCH SAFETY, RISER/STACK, WYE, PLUG, MARKER, MANHOLE DROPS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	471	\$36.00	\$16,956.00	\$27.30	\$12,858.30	\$43.00	\$20,253.00
19	ADDITIONAL COST FOR SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, (TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	2900	\$27.00	\$78,300.00	\$25.00	\$72,500.00	\$25.00	\$72,500.00
20	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	2900	\$25.00	\$72,500.00	\$20.00	\$58,000.00	\$20.00	\$58,000.00
21	UTILITY SPOIL TO BE USED FOR ONSITE FILL, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	1820	\$1.00	\$1,820.00	\$2.71	\$4,932.20	\$3.50	\$6,370.00
22	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$50.00	\$5,000.00	\$50.00	\$5,000.00	\$50.00	\$5,000.00
SECTION ONE - SANITARY SEWER ITEMS SUBTOTAL:					\$667,463.00		\$735,546.96		\$742,878.50
SECTION ONE- DRAINAGE FACILITIES ITEMS									
1	24" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL AND CEMENT STABILIZED SAND BACKFILL UNDER AND WITHIN 1' OF PAVING, COMPLETE IN PLACE	LF	1658	\$88.00	\$145,904.00	\$87.32	\$144,776.56	\$89.00	\$147,562.00
2	30" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL AND CEMENT STABILIZED SAND BACKFILL UNDER AND WITHIN 1' OF PAVING, COMPLETE IN PLACE	LF	819	\$109.00	\$89,271.00	\$110.66	\$90,630.54	\$113.00	\$92,547.00
3	36" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL AND CEMENT STABILIZED SAND BACKFILL UNDER AND WITHIN 1' OF PAVING, COMPLETE IN PLACE	LF	8	\$152.00	\$1,216.00	\$290.13	\$2,321.04	\$157.00	\$1,256.00
4	42" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL AND CEMENT STABILIZED SAND BACKFILL UNDER AND WITHIN 1' OF PAVING, COMPLETE IN PLACE	LF	153	\$205.00	\$31,365.00	\$224.46	\$34,342.38	\$209.00	\$31,977.00
5	48" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL AND CEMENT STABILIZED SAND BACKFILL UNDER AND WITHIN 1' OF PAVING, COMPLETE IN PLACE	LF	142	\$233.00	\$33,086.00	\$247.86	\$35,196.12	\$251.00	\$35,642.00
6	TRENCHLESS CONSTRUCTION OF 24" RCP STORM SEWER, TO INCLUDE 24" RCP STORM SEWER, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	76	\$362.00	\$27,512.00	\$290.08	\$22,046.08	\$250.00	\$19,000.00
7	TRENCHLESS CONSTRUCTION OF 30" RCP STORM SEWER, TO INCLUDE 30" RCP STORM SEWER, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	203	\$815.00	\$165,445.00	\$344.28	\$69,888.84	\$325.00	\$65,975.00
8	TRENCHLESS CONSTRUCTION OF 42" RCP STORM SEWER, TO INCLUDE 42" RCP STORM SEWER, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	41	\$1,025.00	\$42,025.00	\$734.98	\$30,134.18	\$575.00	\$23,575.00
9	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3271	\$0.10	\$327.10	\$0.78	\$2,551.38	\$2.00	\$6,542.00

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10	4' X 4' REINFORCED BOX CULVERT , C-76, CLASS III, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	38	\$410.00	\$15,580.00	\$458.69	\$17,430.22	\$480.00	\$18,240.00
11	7' X 3' REINFORCED BOX CULVERT , C-76, CLASS III, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	94	\$665.00	\$62,510.00	\$704.18	\$66,192.92	\$765.00	\$71,910.00
12	8' X 4' REINFORCED BOX CULVERT , C-76, CLASS III, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	47	\$838.00	\$39,386.00	\$888.49	\$41,759.03	\$940.00	\$44,180.00
13	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	20	\$2,800.00	\$56,000.00	\$3,360.54	\$67,210.80	\$4,300.00	\$86,000.00
14	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, ALL SIDES OPEN, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$5,100.00	\$25,500.00	\$4,562.61	\$22,813.05	\$6,800.00	\$34,000.00
15	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER WITH TYPE "E" INLET TOP, ALL SIDES OPEN, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$5,300.00	\$5,300.00	\$4,898.07	\$4,898.07	\$17,500.00	\$17,500.00
16	STAGE I - REINFORCED CONCRETE H-2 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	20	\$1,300.00	\$26,000.00	\$1,228.69	\$24,573.80	\$2,000.00	\$40,000.00
17	STAGE II - REINFORCED CONCRETE H-2 INLET, ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, COMPLETE IN PLACE	EA	20	\$2,250.00	\$45,000.00	\$1,965.54	\$39,310.80	\$1,100.00	\$22,000.00
18	STAGE I - REINFORCED CONCRETE 10' INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$1,700.00	\$8,500.00	\$1,620.07	\$8,100.35	\$3,000.00	\$15,000.00
19	STAGE II - REINFORCED CONCRETE 10' INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$2,600.00	\$13,000.00	\$2,692.37	\$13,461.85	\$1,100.00	\$5,500.00
20	GRATE INLET, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	11	\$50.00	\$550.00	\$2,670.01	\$29,370.11	\$5,000.00	\$55,000.00
21	8" BRICK PLUG FOR 24" RCP STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$600.00	\$2,400.00	\$249.31	\$997.24	\$500.00	\$2,000.00
22	REMOVE AND DISPOSE OF 8" BRICK PLUG, COMPLETE IN PLACE	EA	2	\$600.00	\$1,200.00	\$551.47	\$1,102.94	\$500.00	\$1,000.00
23	REMOVE AND DISPOSE OF 8" BRICK PLUG & INSTALL PROPOSED REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,400.00	\$3,400.00	\$2,726.82	\$2,726.82	\$5,500.00	\$5,500.00
24	EXCAVATION AND GRADING OF DRAINAGE SWALE, 4:1 MINIMUM SIDE SLOPE – V-BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	728	\$4.00	\$2,912.00	\$2.98	\$2,169.44	\$15.00	\$10,920.00
25	REMOVE AND DISPOSE OF 8" BRICK PLUG AND INSTALL STAGE 1-REINFORCED CONCRETE H-2 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,900.00	\$1,900.00	\$2,244.22	\$2,244.22	\$3,000.00	\$3,000.00
26	UTILITY SPOIL TO BE USED FOR ONSITE FILL, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	3371	\$1.00	\$3,371.00	\$1.98	\$6,674.58	\$3.50	\$11,798.50
27	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	880	\$20.00	\$17,600.00	\$20.00	\$17,600.00	\$20.00	\$17,600.00
28	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES & DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	880	\$25.00	\$22,000.00	\$25.00	\$22,000.00	\$25.00	\$22,000.00

BID TABULATION FOR:

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

CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE FACILITIES
 TO SERVE ORCHID ESTATES SECTION ONE
 TWINWOOD MUNICIPAL UTILITY DISTRICT NO. 1
 FORT BEND COUNTY, TEXAS
 DECEMBER 14, 2023
 LJA ENGINEERING, INC.
 C CORTEZ
 DECEMBER 14, 2023
 7777-1310D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL, LLC		2) NORTHTEX CONSTRUCTION, LLC		3) CROSTEX CONSTRUCTION INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
29	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$50.00	\$5,000.00	\$50.00	\$5,000.00	\$50.00	\$5,000.00
30	EASTERN CROSSING HEADWALL STRUCTURES (RANGING FROM 10' TO 14' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI OF STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON SHEET 36A, INCLUDING BLOCKOUT FOR DUAL 7'X3' RCB AND 8'X4' RCB, FOOTINGS, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	287	\$970.00	\$278,390.00	\$861.72	\$247,313.64	\$1,100.00	\$315,700.00
31	COFFER DAM FOR INSTALLATION OF EASTERN CROSSING HEADWALL STRUCTURES	EA	2	\$4,900.00	\$9,800.00	\$15,291.38	\$30,582.76	\$6,500.00	\$13,000.00
32	DEMUCK, SCARIFY, AND PROOF ROLL EXISTING ROAD SWALES, VARYING BOTTOM WIDTH, 5:1 SIDE SLOPES, COMPLETE IN PLACE	LF	5801	\$3.00	\$17,403.00	\$5.03	\$29,179.03	\$10.00	\$58,010.00
33	FINAL ADJUSTMENT OF PROPOSED STORM SEWER MANHOLE, COMPLETE IN PLACE	EA	26	\$100.00	\$2,600.00	\$525.59	\$13,665.34	\$100.00	\$2,600.00
34	FINAL ADJUSTMENT OF EXISTING STORM SEWER MANHOLE, COMPLETE IN PLACE	EA	8	\$200.00	\$1,600.00	\$525.59	\$4,204.72	\$200.00	\$1,600.00
35	CONCRETE COLLAR FOR CONNECTION OF RCP OR RCB TO THE SIDE OF PROPOSED REINFORCED CONCRETE BOX, ALL SIZES, COMPLETE IN PLACE	EA	4	\$750.00	\$3,000.00	\$1,455.61	\$5,822.44	\$2,000.00	\$8,000.00
36	BREAK INTO EXISTING STORM MANHOLE AND CONNECT PROPOSED 24" STORM SEWER, COMPLETE IN PLACE	EA	3	\$600.00	\$1,800.00	\$2,012.42	\$6,037.26	\$1,500.00	\$4,500.00
37	BREAK INTO EXISTING BRICK PLUG & CONNECT EXISTING PROPOSED STORM SEWER, COMPLETE IN PLACE	EA	2	\$600.00	\$1,200.00	\$551.47	\$1,102.94	\$1,500.00	\$3,000.00
38	TIE EXISTING SWALES INTO PROPOSED GRATE INLETS, COMPLETE IN PLACE	EA	2	\$1,500.00	\$3,000.00	\$178.76	\$357.52	\$1,500.00	\$3,000.00
39	REMOVE EXISTING GRATE INLET MANHOLE TOP & REPLACE WITH STANDARD MANHOLE LID, COMPLETE IN PLACE	EA	3	\$1,300.00	\$3,900.00	\$2,127.68	\$6,383.04	\$2,500.00	\$7,500.00
40	REMOVE EXISTING TYPE E INLET ON TOP OF EXISTING BOX CULVERT, COMPLETE IN PLACE	EA	2	\$850.00	\$1,700.00	\$1,332.71	\$2,665.42	\$2,500.00	\$5,000.00
41	AS BUILT SURVEY FOR ALL LOT CORNERS, BUILDING LINE, BACK OF PAD AND BACK OF LOT, INCLUDES A CERTIFIED EXHIBIT AND AN AUTOCAD FILE OF SURVEY, COORDINATE WITH LJA SURVEYING INC., AARON G. FERGUSON, 713.953.5196, COMPLETE IN PLACE	LS	1	\$13,900.00	\$13,900.00	\$13,900.00	\$13,900.00	\$15,500.00	\$15,500.00
42	FULL CONSTRUCTION STAKING FOR SECTION ONE ITEMS, COORDINATE WITH LJA SURVEYING INC., AARON G. FERGUSON, 713.953.5196, COMPLETE IN PLACE	LS	1	\$16,700.00	\$16,700.00	\$16,700.00	\$16,700.00	\$18,500.00	\$18,500.00
43	EXTRA SURVEY TRIP FOR RESTAKING PREVIOUSLY PROVIDED CONSTRUCTION STAKES THAT WERE DESTROYED BY OTHERS (THIS ITEM DOES NOT INCLUDE RESTAKING DUE TO CONTRACTOR DESTROYING OWN CONSTRUCTION STAKING OR FAILING TO PROTECT CONSTRUCTION STAKING FROM KNOWN HAZARDS SUCH AS CONSTRUCTION TRAFFIC, ORDERING STAKING TOO FAR IN ADVANCE, OR CONTRACTOR'S OWN EQUIPMENT, ETC.)	DAY	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
SECTION ONE- DRAINAGE FACILITIES ITEMS SUBTOTAL:					\$1,250,253.10		\$1,207,437.47		\$1,370,134.50

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CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE FACILITIES
 TO SERVE ORCHID ESTATES SECTION ONE
 TWINWOOD MUNICIPAL UTILITY DISTRICT NO. 1
 FORT BEND COUNTY, TEXAS
 DECEMBER 14, 2023
 LJA ENGINEERING, INC.
 C CORTEZ
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 7777-1310D (9.2)

				1) R CONSTRUCTION CIVIL, LLC		2) NORTHTEX CONSTRUCTION, LLC		3) CROSTEX CONSTRUCTION INC.	
ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
MISCELLANEOUS ITEMS									
1	INSTALL AND MAINTAIN FILTER FABRIC FENCE (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	9027	\$1.00	\$9,027.00	\$1.68	\$15,165.36	\$2.00	\$18,054.00
2	STAGE I INLET PROTECTION BARRIERS, INCLUDING MAINTENANCE THROUGHOUT STAGE I CONSTRUCTION, COMPLETE IN PLACE	EA	25	\$30.00	\$750.00	\$72.68	\$1,817.00	\$100.00	\$2,500.00
3	STAGE II INLET PROTECTION BARRIERS, INCLUDING MAINTENANCE THROUGHOUT STAGE II CONSTRUCTION, COMPLETE IN PLACE	EA	25	\$30.00	\$750.00	\$83.87	\$2,096.75	\$40.00	\$1,000.00
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$400.00	\$400.00	\$1,491.32	\$1,491.32	\$1,000.00	\$1,000.00
5	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, ONLY AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$4,529.22	\$4,529.22	\$2,000.00	\$2,000.00
6	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$1,100.00	\$1,100.00	\$2,124.61	\$2,124.61	\$2,495.00	\$2,495.00
7	BROADCAST SEEDING, INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	9	\$500.00	\$4,500.00	\$500.00	\$4,500.00	\$500.00	\$4,500.00
8	DETENTION AND CHANNEL SLOPE TURF ESTABLISHMENT AND SLOPE STABILIZATION TO ENSURE GROWTH BY ANY MEANS NECESSARY, BY THE FOLLOWING METHODS OR ANY COMBINATION OF THESE METHODS OR APPROVED EQUAL: HYDROMULCH WITH 25% MILLET & 75% BERMUDA SEED, OR HYDROMULCH WITH SOD STRIPS AND/OR CURLEX STRIPS SPACED AT 8' O.C. VERTICALLY ALONG SLOPES, OR DRY-APPLICATION SEED PLUS HAY/STRAW METHOD, INCLUDING WATERING, FERTILIZING, OVERSEEDING, RE-SEEDING, COMPLETE IN PLACE	AC	3	\$2,500.00	\$7,500.00	\$2,500.00	\$7,500.00	\$15,000.00	\$45,000.00
9	REMOVE AND DISPOSE OF EXISTING 8" RCP PIPE, COMPLETE IN PLACE	LF	168	\$11.00	\$1,848.00	\$9.74	\$1,636.32	\$20.00	\$3,360.00
10	REMOVE AND DISPOSE OF EXISTING 24" RCP PIPE, COMPLETE IN PLACE	LF	52	\$21.00	\$1,092.00	\$18.33	\$953.16	\$20.00	\$1,040.00
11	REMOVE AND DISPOSE OF EXISTING 15" PIPE, COMPLETE IN PLACE	LF	89	\$16.00	\$1,424.00	\$12.07	\$1,074.23	\$20.00	\$1,780.00
12	REMOVE AND DISPOSE OF EXISTING CONCRETE DITCH, COMPLETE IN PLACE	LF	270	\$8.00	\$2,160.00	\$6.21	\$1,676.70	\$75.00	\$20,250.00
13	REMOVE AND DISPOSE OF EXISTING CONCRETE ROAD, INCLUDES REMOVING AND HAULING OUTSIDE THE BOUNDARY OF THE DEVELOPMENT, COMPLETE IN PLACE	SY	2720	\$8.00	\$21,760.00	\$7.14	\$19,420.80	\$6.00	\$16,320.00
14	REMOVE AND DISPOSE OF EXISTING GRAVEL ROAD, INCLUDES REMOVING AND HAULING OUTSIDE THE BOUNDARY OF THE DEVELOPMENT, COMPLETE IN PLACE	SY	980	\$7.00	\$6,860.00	\$6.88	\$6,742.40	\$4.50	\$4,410.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$60,671.00		\$70,727.87		\$123,709.00
BIDDING SUMMARY									
SUBTOTAL SECTION ONE - WATER ITEMS					\$488,935.00		\$512,433.39		\$598,278.00
SUBTOTAL SECTION ONE - SANITARY SEWER ITEMS					\$667,463.00		\$735,546.96		\$742,878.50
SUBTOTAL SECTION ONE- DRAINAGE FACILITIES ITEMS					\$1,250,253.10		\$1,207,437.47		\$1,370,134.50
SUBTOTAL MISCELLANEOUS ITEMS					\$60,671.00		\$70,727.87		\$123,709.00
TOTAL AMOUNT BASE BID					\$2,467,322.10		\$2,526,145.69		\$2,835,000.00

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CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE FACILITIES
TO SERVE ORCHID ESTATES SECTION ONE
TWINWOOD MUNICIPAL UTILITY DISTRICT NO. 1
FORT BEND COUNTY, TEXAS
DECEMBER 14, 2023
LJA ENGINEERING, INC.
C CORTEZ
DECEMBER 14, 2023
7777-1310D (9.2)

4) HARRIS CONSTRUCTION COMPANY, LLC

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
SECTION ONE - WATER ITEMS					
1	8" PVC WATER LINE, C-900, DR 18, CLASS 235, RESTRAINED JOINT, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	651	\$50.75	\$33,038.25
2	8" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1115	\$35.35	\$39,415.25
3	12" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	194	\$68.25	\$13,240.50
4	12" PVC WATER LINE, C-900, DR18, CLASS 235, RESTRAINED JOINT, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	40	\$86.15	\$3,446.00
5	16" PVC WATER LINE, C-900, DR 18, CLASS 235, RESTRAINED JOINT, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1060	\$138.00	\$146,280.00
6	16" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	635	\$100.00	\$63,500.00
7	TRENCHLESS CONSTRUCTION OF 8" PVC WATER LINE, TO INCLUDE 8" PVC WATERLINE, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	220	\$90.45	\$19,899.00
8	TRENCHLESS CONSTRUCTION OF 16" PVC WATER LINE, TO INCLUDE 16" PVC WATERLINE, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	141	\$285.00	\$40,185.00
9	TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	3840	\$0.50	\$1,920.00
10	UTILITY SPOIL TO BE HAULED, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	1514	\$3.00	\$4,542.00
11	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	6	\$1,900.00	\$11,400.00
12	12" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00
13	16" AWWA BUTTERFLY VALVE AND BOX, COMPLETE IN PLACE	EA	5	\$8,500.00	\$42,500.00
14	8" PLUG AND CLAMP WITH 2" BLOW OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	1	\$1,675.00	\$1,675.00
15	12" PLUG AND CLAMP WITH 2" BLOW OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	1	\$1,925.00	\$1,925.00
16	16" PLUG AND CLAMP WITH 2" BLOW OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	1	\$2,495.00	\$2,495.00
17	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE AND BOX, 6" LEAD AND FIRE HYDRANT, BEDDING AND BACKFILL AND TRENCH SAFETY, COMPLETE IN PLACE	EA	9	\$6,575.00	\$59,175.00
18	6" IRRIGATION SLEEVES, INSTALL COMPLETE IN PLACE	LF	1141	\$40.00	\$45,640.00
19	REMOVE EXISTING 16" PLUG, CLAMP, & BLOW OFF VALVE AND CONNECT PROP. 16" W.L., INCLUDE ALL NECESSARY ADAPTORS AND CONNECTIONS, COMPLETE IN PLACE	EA	2	\$1,975.00	\$3,950.00

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CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE FACILITIES
TO SERVE ORCHID ESTATES SECTION ONE
TWINWOOD MUNICIPAL UTILITY DISTRICT NO. 1
FORT BEND COUNTY, TEXAS
DECEMBER 14, 2023
LJA ENGINEERING, INC.
C CORTEZ
DECEMBER 14, 2023
7777-1310D (9.2)

4) HARRIS CONSTRUCTION COMPANY, LLC

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
20	AIR RELEASE VALVE, MANHOLE AND VENT, COMPLETE IN PLACE	EA	1	\$6,725.00	\$6,725.00
21	ADJUST EXIST. AIR RELEASE VALVE, MANHOLE AND VENT, COMPLETE IN PLACE	EA	1	\$575.00	\$575.00
22	ADDITIONAL CAST IRON WATER LINE FITTINGS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	2	\$5,200.00	\$10,400.00
23	24" STEEL CASING FOR 16" WATER LINE, TO INCLUDE 16" WATER LINE, C-900, DR 18 CLASS 235, RESTRAINED JOINT, INCLUDES SPACERS AND END CAPS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	42	\$243.50	\$10,227.00

SECTION ONE - WATER ITEMS SUBTOTAL:**\$565,653.00****SECTION ONE - SANITARY SEWER ITEMS**

1	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 0'-12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1415	\$42.95	\$60,774.25
2	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 12'-16' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	101	\$45.20	\$4,565.20
3	12" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16'-20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	375	\$117.60	\$44,100.00
4	15" PVC SEWER PIPE, ASTM D-3034, SDR 26, 12'-16' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	96	\$135.10	\$12,969.60
5	15" PVC SEWER PIPE, ASTM D-3034, SDR 26, 16'-20' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1409	\$137.45	\$193,667.05
6	TRENCHLESS CONSTRUCTION OF 8" PVC SANITARY SEWER, ASTM D-3034, SDR 26, TO INCLUDE 8" PVC SANITARY SEWER, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	174	\$145.00	\$25,230.00
7	TRENCHLESS CONSTRUCTION OF 15" PVC SANITARY SEWER, ASTM D-3034, SDR 26, TO INCLUDE 15" PVC SANITARY SEWER, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	254	\$440.00	\$111,760.00
8	30" STEEL CASING FOR 15" SANITARY SEWER, SPACERS AND ENDCAPS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	196	\$235.00	\$46,060.00
9	REMOVE AND DISPOSE OF EXISTING 15" SANITARY SEWER PLUG AND CONNECT PROPOSED 15" SANITARY SEWER, COMPLETE IN PLACE	EA	1	\$450.00	\$450.00
10	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3686	\$0.50	\$1,843.00
11	STANDARD SANITARY SEWER MANHOLE (0'-8' DEPTH), (INCLUDES INFLOW PROTECTOR), COMPLETE IN PLACE	EA	30	\$5,450.00	\$163,500.00
12	15" SANITARY SEWER PLUG, COMPLETE IN PLACE	EA	1	\$475.00	\$475.00
13	FINAL ADJUSTMENT OF EXISTING SANITARY MANHOLE, COMPLETE IN PLACE	EA	1	\$575.00	\$575.00
14	EXTRA VERTICAL DEPTH FOR SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	199.1	\$495.00	\$98,554.50
15	STANDARD SANITARY SEWER MANHOLE EXTERNAL DROP STRUCTURE, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$625.00	\$1,250.00
16	EXTRA DEPTH ON STANDARD SANITARY SEWER MANHOLE DROP STRUCTURE (OVER 2.0'), COMPLETE IN PLACE	VF	10.7	\$50.00	\$535.00

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FORT BEND COUNTY, TEXAS
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4) HARRIS CONSTRUCTION COMPANY, LLC

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
17	SHORT SIDE SINGLE OR DOUBLE 6" GREEN PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, TRENCH SAFETY, RISER/STACK, WYE, PLUG, MARKER, MANHOLE DROPS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	10	\$840.00	\$8,400.00
18	LONG SIDE SINGLE OR DOUBLE 6" GREEN PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, TRENCH SAFETY, RISER/STACK, WYE, PLUG, MARKER, MANHOLE DROPS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	471	\$55.45	\$26,116.95
19	ADDITIONAL COST FOR SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, (TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	2900	\$25.00	\$72,500.00
20	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	2900	\$20.00	\$58,000.00
21	UTILITY SPOIL TO BE USED FOR ONSITE FILL, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	1820	\$3.00	\$5,460.00
22	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$50.00	\$5,000.00

SECTION ONE - SANITARY SEWER ITEMS SUBTOTAL:**\$941,785.55****SECTION ONE- DRAINAGE FACILITIES ITEMS**

1	24" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL AND CEMENT STABILIZED SAND BACKFILL UNDER AND WITHIN 1' OF PAVING, COMPLETE IN PLACE	LF	1658	\$104.35	\$173,012.30
2	30" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL AND CEMENT STABILIZED SAND BACKFILL UNDER AND WITHIN 1' OF PAVING, COMPLETE IN PLACE	LF	819	\$129.00	\$105,651.00
3	36" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL AND CEMENT STABILIZED SAND BACKFILL UNDER AND WITHIN 1' OF PAVING, COMPLETE IN PLACE	LF	8	\$207.90	\$1,663.20
4	42" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL AND CEMENT STABILIZED SAND BACKFILL UNDER AND WITHIN 1' OF PAVING, COMPLETE IN PLACE	LF	153	\$275.50	\$42,151.50
5	48" RCP STORM SEWER, C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL AND CEMENT STABILIZED SAND BACKFILL UNDER AND WITHIN 1' OF PAVING, COMPLETE IN PLACE	LF	142	\$333.55	\$47,364.10
6	TRENCHLESS CONSTRUCTION OF 24" RCP STORM SEWER, TO INCLUDE 24" RCP STORM SEWER, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	76	\$278.00	\$21,128.00
7	TRENCHLESS CONSTRUCTION OF 30" RCP STORM SEWER, TO INCLUDE 30" RCP STORM SEWER, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	203	\$344.00	\$69,832.00
8	TRENCHLESS CONSTRUCTION OF 42" RCP STORM SEWER, TO INCLUDE 42" RCP STORM SEWER, BORE PITS, BEDDING AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	41	\$852.00	\$34,932.00
9	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3271	\$0.50	\$1,635.50

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TO SERVE ORCHID ESTATES SECTION ONE
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LJA ENGINEERING, INC.
C CORTEZ
DECEMBER 14, 2023
7777-1310D (9.2)

4) HARRIS CONSTRUCTION COMPANY, LLC

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
10	4' X 4' REINFORCED BOX CULVERT , C-76, CLASS III, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	38	\$738.00	\$28,044.00
11	7' X 3' REINFORCED BOX CULVERT , C-76, CLASS III, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	94	\$827.50	\$77,785.00
12	8' X 4' REINFORCED BOX CULVERT , C-76, CLASS III, ASTM C-1433, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	47	\$1,182.80	\$55,591.60
13	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	20	\$3,475.00	\$69,500.00
14	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, ALL SIDES OPEN, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$8,595.00	\$42,975.00
15	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER WITH TYPE "E" INLET TOP, ALL SIDES OPEN, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$7,540.00	\$7,540.00
16	STAGE I - REINFORCED CONCRETE H-2 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	20	\$1,695.00	\$33,900.00
17	STAGE II - REINFORCED CONCRETE H-2 INLET, ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE 1 INLET, COMPLETE IN PLACE	EA	20	\$1,825.00	\$36,500.00
18	STAGE I - REINFORCED CONCRETE 10' INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$2,275.00	\$11,375.00
19	STAGE II - REINFORCED CONCRETE 10' INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$3,245.00	\$16,225.00
20	GRATE INLET, ALL DEPTHS, INCLUDES ADJUSTMENTS, COMPLETE IN PLACE	EA	11	\$6,450.00	\$70,950.00
21	8" BRICK PLUG FOR 24" RCP STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$345.00	\$1,380.00
22	REMOVE AND DISPOSE OF 8" BRICK PLUG, COMPLETE IN PLACE	EA	2	\$275.00	\$550.00
23	REMOVE AND DISPOSE OF 8" BRICK PLUG & INSTALL PROPOSED REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,775.00	\$3,775.00
24	EXCAVATION AND GRADING OF DRAINAGE SWALE, 4:1 MINIMUM SIDE SLOPE – V-BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	728	\$4.50	\$3,276.00
25	REMOVE AND DISPOSE OF 8" BRICK PLUG AND INSTALL STAGE 1-REINFORCED CONCRETE H-2 INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,975.00	\$1,975.00
26	UTILITY SPOIL TO BE USED FOR ONSITE FILL, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	3371	\$3.00	\$10,113.00
27	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	880	\$20.00	\$17,600.00
28	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES & DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	880	\$25.00	\$22,000.00

BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE FACILITIES
TO SERVE ORCHID ESTATES SECTION ONE
TWINWOOD MUNICIPAL UTILITY DISTRICT NO. 1
FORT BEND COUNTY, TEXAS
DECEMBER 14, 2023
LJA ENGINEERING, INC.
C CORTEZ
DECEMBER 14, 2023
7777-1310D (9.2)

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

4) HARRIS CONSTRUCTION COMPANY, LLC

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
29	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$50.00	\$5,000.00
30	EASTERN CROSSING HEADWALL STRUCTURES (RANGING FROM 10' TO 14' HEIGHT FROM TOP OF FOOTING TO TOP OF WALL), USING 4,000 PSI OF STRUCTURAL CONCRETE AND REBAR PER CROSS SECTION ON SHEET 36A, INCLUDING BLOCKOUT FOR DUAL 7'X3' RCB AND 8'X4' RCB, FOOTINGS, KEYWAYS AT CONSTRUCTION JOINTS, FORMS, 6-INCH LIP FOR FUTURE STONE VENEER, WEEPHOLES, 2' DEEP & 8" WIDE TOE WALLS, COMPLETE IN PLACE	CY	287	\$1,425.00	\$408,975.00
31	COFFER DAM FOR INSTALLATION OF EASTERN CROSSING HEADWALL STRUCTURES	EA	2	\$15,000.00	\$30,000.00
32	DEMUCK, SCARIFY, AND PROOF ROLL EXISTING ROAD SWALES, VARYING BOTTOM WIDTH, 5:1 SIDE SLOPES, COMPLETE IN PLACE	LF	5801	\$4.50	\$26,104.50
33	FINAL ADJUSTMENT OF PROPOSED STORM SEWER MANHOLE, COMPLETE IN PLACE	EA	26	\$500.00	\$13,000.00
34	FINAL ADJUSTMENT OF EXISTING STORM SEWER MANHOLE, COMPLETE IN PLACE	EA	8	\$650.00	\$5,200.00
35	CONCRETE COLLAR FOR CONNECTION OF RCP OR RCB TO THE SIDE OF PROPOSED REINFORCED CONCRETE BOX, ALL SIZES, COMPLETE IN PLACE	EA	4	\$3,595.00	\$14,380.00
36	BREAK INTO EXISTING STORM MANHOLE AND CONNECT PROPOSED 24" STORM SEWER, COMPLETE IN PLACE	EA	3	\$1,275.00	\$3,825.00
37	BREAK INTO EXISTING BRICK PLUG & CONNECT EXISTING PROPOSED STORM SEWER, COMPLETE IN PLACE	EA	2	\$925.00	\$1,850.00
38	TIE EXISTING SWALES INTO PROPOSED GRATE INLETS, COMPLETE IN PLACE	EA	2	\$950.00	\$1,900.00
39	REMOVE EXISTING GRATE INLET MANHOLE TOP & REPLACE WITH STANDARD MANHOLE LID, COMPLETE IN PLACE	EA	3	\$1,445.00	\$4,335.00
40	REMOVE EXISTING TYPE E INLET ON TOP OF EXISTING BOX CULVERT, COMPLETE IN PLACE	EA	2	\$1,750.00	\$3,500.00
41	AS BUILT SURVEY FOR ALL LOT CORNERS, BUILDING LINE, BACK OF PAD AND BACK OF LOT, INCLUDES A CERTIFIED EXHIBIT AND AN AUTOCAD FILE OF SURVEY, COORDINATE WITH LJA SURVEYING INC., AARON G. FERGUSON, 713.953.5196, COMPLETE IN PLACE	LS	1	\$13,900.00	\$13,900.00
42	FULL CONSTRUCTION STAKING FOR SECTION ONE ITEMS, COORDINATE WITH LJA SURVEYING INC., AARON G. FERGUSON, 713.953.5196, COMPLETE IN PLACE	LS	1	\$16,700.00	\$16,700.00
43	EXTRA SURVEY TRIP FOR RESTAKING PREVIOUSLY PROVIDED CONSTRUCTION STAKES THAT WERE DESTROYED BY OTHERS (THIS ITEM DOES NOT INCLUDE RESTAKING DUE TO CONTRACTOR DESTROYING OWN CONSTRUCTION STAKING OR FAILING TO PROTECT CONSTRUCTION STAKING FROM KNOWN HAZARDS SUCH AS CONSTRUCTION TRAFFIC, ORDERING STAKING TOO FAR IN ADVANCE, OR CONTRACTOR'S OWN EQUIPMENT, ETC.)	DAY	1	\$2,000.00	\$2,000.00

SECTION ONE- DRAINAGE FACILITIES ITEMS SUBTOTAL:

\$1,559,093.70

BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE FACILITIES
TO SERVE ORCHID ESTATES SECTION ONE
TWINWOOD MUNICIPAL UTILITY DISTRICT NO. 1
FORT BEND COUNTY, TEXAS
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4) HARRIS CONSTRUCTION COMPANY, LLC

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
MISCELLANEOUS ITEMS					
1	INSTALL AND MAINTAIN FILTER FABRIC FENCE (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	9027	\$2.50	\$22,567.50
2	STAGE I INLET PROTECTION BARRIERS, INCLUDING MAINTENANCE THROUGHOUT STAGE I CONSTRUCTION, COMPLETE IN PLACE	EA	25	\$40.00	\$1,000.00
3	STAGE II INLET PROTECTION BARRIERS, INCLUDING MAINTENANCE THROUGHOUT STAGE II CONSTRUCTION, COMPLETE IN PLACE	EA	25	\$50.00	\$1,250.00
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00
5	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, ONLY AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	EA	1	\$2,500.00	\$2,500.00
6	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$1,200.00	\$1,200.00
7	BROADCAST SEEDING, INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	9	\$1,100.00	\$9,900.00
8	DETENTION AND CHANNEL SLOPE TURF ESTABLISHMENT AND SLOPE STABILIZATION TO ENSURE GROWTH BY ANY MEANS NECESSARY, BY THE FOLLOWING METHODS OR ANY COMBINATION OF THESE METHODS OR APPROVED EQUAL: HYDROMULCH WITH 25% MILLET & 75% BERMUDA SEED, OR HYDROMULCH WITH SOD STRIPS AND/OR CURLEX STRIPS SPACED AT 8' O.C. VERTICALLY ALONG SLOPES, OR DRY-APPLICATION SEED PLUS HAY/STRAW METHOD, INCLUDING WATERING, FERTILIZING, OVERSEEDING, RE-SEEDING, COMPLETE IN PLACE	AC	3	\$3,200.00	\$9,600.00
9	REMOVE AND DISPOSE OF EXISTING 8" RCP PIPE, COMPLETE IN PLACE	LF	168	\$22.00	\$3,696.00
10	REMOVE AND DISPOSE OF EXISTING 24" RCP PIPE, COMPLETE IN PLACE	LF	52	\$42.00	\$2,184.00
11	REMOVE AND DISPOSE OF EXISTING 15" PIPE, COMPLETE IN PLACE	LF	89	\$75.00	\$6,675.00
12	REMOVE AND DISPOSE OF EXISTING CONCRETE DITCH, COMPLETE IN PLACE	LF	270	\$125.00	\$33,750.00
13	REMOVE AND DISPOSE OF EXISTING CONCRETE ROAD, INCLUDES REMOVING AND HAULING OUTSIDE THE BOUNDARY OF THE DEVELOPMENT, COMPLETE IN PLACE	SY	2720	\$39.45	\$107,304.00
14	REMOVE AND DISPOSE OF EXISTING GRAVEL ROAD, INCLUDES REMOVING AND HAULING OUTSIDE THE BOUNDARY OF THE DEVELOPMENT, COMPLETE IN PLACE	SY	980	\$17.25	\$16,905.00

MISCELLANEOUS ITEMS SUBTOTAL: **\$219,531.50**

BIDDING SUMMARY

SUBTOTAL SECTION ONE - WATER ITEMS	\$565,653.00
SUBTOTAL SECTION ONE - SANITARY SEWER ITEMS	\$941,785.55
SUBTOTAL SECTION ONE- DRAINAGE FACILITIES ITEMS	\$1,559,093.70
SUBTOTAL MISCELLANEOUS ITEMS	\$219,531.50
TOTAL AMOUNT BASE BID	\$3,286,063.75