

BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
AND PAVING AND APPURTENANCES  
TO SERVE VALENCIA SECTION 4  
BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 83  
CITY OF MANVEL, BRAZORIA COUNTY, TEXAS  
FEBRUARY 14, 2023  
LJA ENGINEERING, INC.  
D. FORREST  
FEBRUARY 14, 2023  
2791-4104 (9.2)

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

BIDDER'S NAME	TOTAL AMOUNT BID	CALENDAR DAYS
1) DIMAS BROS. CONSTRUCTION	\$3,461,000.00	100/115
2) R CONSTRUCTION CIVIL, LLC	\$3,568,581.65	100/110
3) HURTADO CONSTRUCTION COMPANY	\$3,578,819.02	100/115
4) BAY UTILITIES, LLC	\$3,590,059.50	110/125
5) CROSTEX CONSTRUCTION INC.	\$3,635,000.00	110/125
6) NORTHTEX CONSTRUCTION, LLC	\$3,733,799.98	110/125
7) PRINCIPAL SERVICES, LTD	\$3,795,295.00	110/120
8) ALLGOOD CONSTRUCTION CO., INC.	\$3,901,106.74	110/125
9) HCG, LLC.	\$4,616,096.15	110/125



I, Hannah J. Horsfield, P.E., hereby certify these bid tabulations to be true and correct.

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ITEM	DESCRIPTION	UNIT	QTY	1) DIMAS BROS. CONSTRUCTION		2) R CONSTRUCTION CIVIL, LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>WATER ITEMS</b>									
1	6" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	1402	\$31.85	\$44,653.70	\$30.00	\$42,060.00	\$33.88	\$47,499.76
2	6" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	310	\$32.00	\$9,920.00	\$39.00	\$12,090.00	\$43.88	\$13,602.80
3	8" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	2936	\$36.00	\$105,696.00	\$35.00	\$102,760.00	\$42.08	\$123,546.88
4	8" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	300	\$42.65	\$12,795.00	\$44.00	\$13,200.00	\$45.68	\$13,704.00
5	6" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	4	\$1,025.00	\$4,100.00	\$1,250.00	\$5,000.00	\$1,238.00	\$4,952.00
6	8" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	13	\$1,565.00	\$20,345.00	\$1,800.00	\$23,400.00	\$1,838.00	\$23,894.00
7	1" DIAMETER "NEAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	26	\$525.00	\$13,650.00	\$490.00	\$12,740.00	\$598.00	\$15,548.00
8	1" DIAMETER "FAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	43	\$1,105.00	\$47,515.00	\$750.00	\$32,250.00	\$1,418.00	\$60,974.00
9	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, GATE VALVE & BOX, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	14	\$5,984.00	\$83,776.00	\$6,660.00	\$93,240.00	\$6,888.00	\$96,432.00
10	END OF LINE FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES REDUCER, LEAD, APPROPRIATE TEE AND RESTRAINED JOINTS, COMPLETE IN PLACE	EA	2	\$4,384.00	\$8,768.00	\$5,300.00	\$10,600.00	\$4,888.00	\$9,776.00
11	8" WET CONNECTION, INCLUDES REMOVAL OF EXISTING FLUSHING VALVE AND REDUCER AND CONNECTION TO EXISTING 8" WATER LINE, COMPLETE IN PLACE	EA	1	\$584.00	\$584.00	\$430.00	\$430.00	\$300.00	\$300.00
12	P.V.C. CASING FOR 6" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	228	\$62.60	\$14,272.80	\$73.00	\$16,644.00	\$60.88	\$13,880.64
13	P.V.C. CASING FOR 8" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	313	\$85.15	\$26,651.95	\$110.00	\$34,430.00	\$88.00	\$27,544.00
14	STEEL CASING FOR 8" WATER LINE, DOES NOT INCLUDE CARRIER PIPE, COMPLETE IN PLACE	LF	72	\$45.00	\$3,240.00	\$96.00	\$6,912.00	\$108.00	\$7,776.00
15	TRENCHLESS CONSTRUCTION FOR STEEL CASING FOR 8" WATER LINE, INCLUDES EXCAVATION AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	72	\$45.00	\$3,240.00	\$95.00	\$6,840.00	\$148.00	\$10,656.00
16	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	1330	\$3.00	\$3,990.00	\$1.00	\$1,330.00	\$0.08	\$106.40
17	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	7501	\$1.00	\$7,501.00	\$0.05	\$375.05	\$0.08	\$600.08
<b>WATER ITEMS SUBTOTAL:</b>					<b>\$410,698.45</b>		<b>\$414,301.05</b>		<b>\$470,792.56</b>

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 AND PAVING AND APPURTENANCES  
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ITEM	DESCRIPTION	UNIT	QTY	1) DIMAS BROS. CONSTRUCTION		2) R CONSTRUCTION CIVIL, LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>SANITARY ITEMS</b>									
1	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	80	\$38.00	\$3,040.00	\$27.00	\$2,160.00	\$46.80	\$3,744.00
2	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1404	\$40.50	\$56,862.00	\$28.00	\$39,312.00	\$45.88	\$64,415.52
3	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1857	\$40.55	\$75,301.35	\$31.00	\$57,567.00	\$48.88	\$90,770.16
4	"LONG SIDE" DOUBLE OR SINGLE 8" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	363	\$54.80	\$19,892.40	\$65.00	\$23,595.00	\$57.88	\$21,010.44
5	"LONG SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	959	\$52.25	\$50,107.75	\$40.00	\$38,360.00	\$51.88	\$49,752.92
6	"SHORT SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	29	\$1,117.00	\$32,393.00	\$1,600.00	\$46,400.00	\$1,385.88	\$40,190.52
7	PRECAST STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (0'-8' DEPTH), INCLUDES PROTECTIVE INTERIOR COATING, STAINLESS STEEL INFLOW PROTECTOR AND ADJUSTMENTS, COMPLETE IN PLACE	EA	22	\$4,829.00	\$106,238.00	\$4,000.00	\$88,000.00	\$4,188.00	\$92,136.00
8	EXTRA DEPTH OF SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	79	\$318.00	\$25,122.00	\$310.00	\$24,490.00	\$280.00	\$22,120.00
9	REMOVE EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED 8" SANITARY SEWER TO EXISTING 8" SANITARY SEWER, COMPLETE IN PLACE	EA	1	\$184.00	\$184.00	\$170.00	\$170.00	\$8.00	\$8.00
10	STANDARD SANITARY SEWER DROP CONNECTION, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$710.00	\$2,840.00	\$540.00	\$2,160.00	\$888.00	\$3,552.00
11	ADJUST MANHOLE RIM TO FINISHED GRADE, COMPLETE IN PLACE	EA	3	\$250.00	\$750.00	\$80.00	\$240.00	\$8.00	\$24.00
12	DEWATERING, ALL SIZES AND DEPTHS, FOR SANITARY SEWER CONSTRUCTION (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1857	\$20.00	\$37,140.00	\$20.00	\$37,140.00	\$20.00	\$37,140.00
13	ADDITIONAL COST FOR SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1857	\$15.00	\$27,855.00	\$15.00	\$27,855.00	\$15.00	\$27,855.00
14	T.V. INSPECTION OF SANITARY SEWER LINES, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	3624	\$4.00	\$14,496.00	\$1.50	\$5,436.00	\$0.88	\$3,189.12
15	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	1643	\$3.00	\$4,929.00	\$1.00	\$1,643.00	\$0.08	\$131.44
16	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	4583	\$1.00	\$4,583.00	\$0.05	\$229.15	\$0.08	\$366.64
<b>SANITARY ITEMS SUBTOTAL:</b>					<b>\$461,733.50</b>		<b>\$394,757.15</b>		<b>\$456,405.76</b>

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>DRAINAGE FACILITIES ITEMS</b>									
1	24-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1839	\$68.70	\$126,339.30	\$72.00	\$132,408.00	\$72.00	\$132,408.00
2	30-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	449	\$93.00	\$41,757.00	\$96.00	\$43,104.00	\$111.80	\$50,198.20
3	36-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	566	\$114.50	\$64,807.00	\$135.00	\$76,410.00	\$128.00	\$72,448.00
4	42-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	412	\$142.65	\$58,771.80	\$185.00	\$76,220.00	\$165.80	\$68,309.60
5	48-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	190	\$171.00	\$32,490.00	\$220.00	\$41,800.00	\$210.48	\$39,991.20
6	5' X 4' PRECAST REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES NON-SHRINK GROUT ON ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	399	\$469.50	\$187,330.50	\$445.00	\$177,555.00	\$438.00	\$174,762.00
7	6'X4' PRECAST REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES NON-SHRINK GROUT ON ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	22	\$571.25	\$12,567.50	\$556.00	\$12,232.00	\$796.28	\$17,518.16
8	8'X4' PRECAST REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES NON-SHRINK GROUT ON ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	914	\$665.00	\$607,810.00	\$728.00	\$665,392.00	\$718.00	\$656,252.00
9	STAGE I - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	28	\$911.00	\$25,508.00	\$1,130.00	\$31,640.00	\$908.00	\$25,424.00
10	STAGE II - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	28	\$1,301.00	\$36,428.00	\$2,100.00	\$58,800.00	\$1,238.00	\$34,664.00
11	STAGE I - STANDARD 10' PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	12	\$1,250.00	\$15,000.00	\$1,965.00	\$23,580.00	\$1,018.00	\$12,216.00
12	STAGE II - STANDARD 10' PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	12	\$2,020.00	\$24,240.00	\$2,100.00	\$25,200.00	\$2,278.00	\$27,336.00
13	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	16	\$2,025.00	\$32,400.00	\$2,370.00	\$37,920.00	\$2,088.00	\$33,408.00
14	STANDARD TYPE "C" MANHOLE WITH GRATE INLET TOP FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,284.00	\$2,284.00	\$3,370.00	\$3,370.00	\$2,750.00	\$2,750.00
15	STANDARD TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$2,808.00	\$11,232.00	\$4,000.00	\$16,000.00	\$2,288.00	\$9,152.00
16	STANDARD TYPE "C" MANHOLE WITH TYPE 'E' INLET TOP FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,484.00	\$3,484.00	\$5,785.00	\$5,785.00	\$2,750.00	\$2,750.00
17	REINFORCED JUNCTION BOX WITH TYPE 'C' MANHOLE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$9,384.00	\$46,920.00	\$12,000.00	\$60,000.00	\$18,538.00	\$92,690.00
18	TYPE "C" MANHOLE TOP FOR REINFORCED CONCRETE BOX, COMPLETE IN PLACE	EA	3	\$1,350.00	\$4,050.00	\$2,700.00	\$8,100.00	\$2,480.00	\$7,440.00
19	REINFORCED CONCRETE BEND WITH TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	4	\$1,350.00	\$5,400.00	\$2,060.00	\$8,240.00	\$7,518.00	\$30,072.00
20	TYPE "E" INLET, OPEN ON ALL SIDES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,200.00	\$2,200.00	\$5,850.00	\$5,850.00	\$2,388.00	\$2,388.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
21	CONTRACTOR TO REMOVE EXISTING BRICK PLUG AND CONNECT PROPOSED STORM SEWER, ALL SIZES, COMPLETE IN PLACE	EA	4	\$184.00	\$736.00	\$530.00	\$2,120.00	\$8.00	\$32.00
22	CONTRACTOR TO REMOVE EXISTING TYPE 'C' MANHOLE TOP AND REPLACE WITH A GRATE INLET TOP AT FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$884.00	\$884.00	\$1,080.00	\$1,080.00	\$2,800.00	\$2,800.00
23	CONTRACTOR TO REMOVE EXISTING TYPE 'C' MANHOLE TOP AND REPLACE WITH A TYPE 'E' INLET TOP AT FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$884.00	\$884.00	\$3,350.00	\$3,350.00	\$2,800.00	\$2,800.00
24	PROPOSED SWALES, SIDE SLOPES PER CONSTRUCTION PLANS, COMPLETE IN PLACE	LF	2972	\$3.00	\$8,916.00	\$2.70	\$8,024.40	\$0.80	\$2,377.60
25	SLOPE STABILIZATION MATERIAL (PYRAMAT 25 OR APPROVED EQUIVALENT), INCLUDES TOPSOIL, SOD AND ANCHORS (MEASURED IN PLAN VIEW), COMPLETE IN PLACE	SY	248	\$18.00	\$4,464.00	\$25.00	\$6,200.00	\$38.00	\$9,424.00
26	EMERGENCY OVERFLOW SWALE, 6' BOTTOM, 6:1 SIDE SLOPES, TOPSOIL AND SOD, COMPLETE IN PLACE	LF	46	\$10.00	\$460.00	\$13.00	\$598.00	\$8.00	\$368.00
27	8" BRICK PLUG FOR STORM SEWER, ALL SIZES, COMPLETE IN PLACE	EA	3	\$184.00	\$552.00	\$530.00	\$1,590.00	\$8.00	\$24.00
28	DEWATERING FOR STORM SEWER CONSTRUCTION, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
29	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$15.00	\$1,500.00	\$15.00	\$1,500.00	\$15.00	\$1,500.00
30	T.V. INSPECTION OF STORM SEWER LINES, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	4791	\$4.00	\$19,164.00	\$2.00	\$9,582.00	\$0.80	\$3,832.80
31	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	7293	\$3.00	\$21,879.00	\$1.00	\$7,293.00	\$0.08	\$583.44
32	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	4791	\$1.00	\$4,791.00	\$0.05	\$239.55	\$0.08	\$383.28
<b>DRAINAGE FACILITIES ITEMS SUBTOTAL:</b>					<b>\$1,407,249.10</b>		<b>\$1,553,182.95</b>		<b>\$1,518,302.28</b>
<b>MISCELLANEOUS WS&amp;D ITEMS</b>									
1	HYDROMULCH SEEDING AND FINE GRADING OF LAKE AND BAYOU MAINTENANCE BERM DISTURBED BY CONSTRUCTION OF STORM SEWER OUTFALL, COMPLETE IN PLACE	AC	1	\$2,500.00	\$2,500.00	\$1,350.00	\$1,350.00	\$20.00	\$20.00
2	EXTRA CEMENT STABILIZED SAND, (1.1 SACKS PER TON), (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL DEPTHS, COMPLETE IN PLACE	CY	100	\$25.00	\$2,500.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
3	CITY OF MANVEL PERMITTING FEE, COMPLETE IN PLACE	LS	1	\$27,784.00	\$27,784.00	\$36,000.00	\$36,000.00	\$35,431.88	\$35,431.88
<b>MISCELLANEOUS WS&amp;D ITEMS SUBTOTAL:</b>					<b>\$32,784.00</b>		<b>\$39,350.00</b>		<b>\$37,451.88</b>
<b>SWPPP ITEMS</b>									
1	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, COMPLETE IN PLACE	LS	1	\$231.45	\$231.45	\$1,350.00	\$1,350.00	\$800.00	\$800.00
2	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE TRUCK WASHOUT PIT, COMPLETE IN PLACE	EA	1	\$200.00	\$200.00	\$500.00	\$500.00	\$800.00	\$800.00

**BID TABULATION FOR:**

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**TABULATION BY:**  
**TABULATION DATE:**  
**LJA JOB NO.**

CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 AND PAVING AND APPURTENANCES  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 83  
 CITY OF MANVEL, BRAZORIA COUNTY, TEXAS  
 FEBRUARY 14, 2023  
 LJA ENGINEERING, INC.  
 D. FORREST  
 FEBRUARY 14, 2023  
 2791-4104 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) DIMAS BROS. CONSTRUCTION		2) R CONSTRUCTION CIVIL, LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
3	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION ENTRANCE, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$1,150.00	\$1,150.00	\$8.00	\$8.00
4	TYPE II INLET PROTECTION BARRIERS FOR PROPOSED INLETS, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00	\$25.00	\$50.00	\$8.00	\$16.00
5	TYPE III INLET PROTECTION BARRIERS FOR PROPOSED INLETS, COMPLETE IN PLACE	EA	40	\$10.00	\$400.00	\$25.00	\$1,000.00	\$8.00	\$320.00
6	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	10702	\$0.50	\$5,351.00	\$1.00	\$10,702.00	\$0.18	\$1,926.36
7	TYPE II INLET PROTECTION BARRIERS FOR EXISTING INLETS, COMPLETE IN PLACE	EA	3	\$100.00	\$300.00	\$25.00	\$75.00	\$1.00	\$3.00
8	TYPE III INLET PROTECTIO BARRIERS FOR EXISTING INLETS, COMPLETE IN PLACE	EA	2	\$100.00	\$200.00	\$25.00	\$50.00	\$1.00	\$2.00
<b>SWPPP ITEMS SUBTOTAL:</b>					<b>\$7,382.45</b>		<b>\$14,877.00</b>		<b>\$3,875.36</b>
<b>PAVING ITEMS</b>									
1	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	15587	\$49.50	\$771,556.50	\$50.00	\$779,350.00	\$48.48	\$755,657.76
2	8" LIME/FLY ASH STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	16490	\$3.25	\$53,592.50	\$4.00	\$65,960.00	\$2.08	\$34,299.20
3	HYDRATED LIME FOR 8" STABILIZED SUBGRADE (6% LIME BY WEIGHT, 40 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	327	\$284.00	\$92,868.00	\$265.00	\$86,655.00	\$278.00	\$90,906.00
4	FLY ASH FOR 8" STABILIZED SUBGRADE (8% FLY ASH BY WEIGHT, 53 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	436	\$140.00	\$61,040.00	\$120.00	\$52,320.00	\$138.00	\$60,168.00
5	4" X 12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	2161	\$3.50	\$7,563.50	\$3.50	\$7,563.50	\$3.08	\$6,655.88
6	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	5874	\$3.50	\$20,559.00	\$3.50	\$20,559.00	\$3.08	\$18,091.92
7	COMPLETE LOT GRADING (68 LOTS, 3 RESERVES) AND FINAL DRESSING OF ALL AREAS, COMPLETE IN PLACE	LS	1	\$10,200.00	\$10,200.00	\$12,750.00	\$12,750.00	\$9,940.00	\$9,940.00
8	ROADWAY AND LOT EXCAVATION TO BE USED FOR FILL TO FINAL GRADE WITHIN THE PROJECT LIMITS, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, HAUL, PLACEMENT AND COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	9280	\$3.50	\$32,480.00	\$3.50	\$32,480.00	\$2.88	\$26,726.40
9	TRAFFIC CONTROL SIGN AND POST IN ACCORDANCE WITH THE CITY OF MANVEL STANDARD STREET SIGN DETAIL, INCLUDES STOP SIGNS, STREET NAME SIGNS WITH "NO OUTLET" IF NEEDED, DIRECTIONAL SIGNS WITH SUPPLEMENTS, ETC. (SIGNS AND POSTS TO BE PROVIDED BY ONE WAY STRIPINGS AND SIGNS), COMPLETE IN PLACE	EA	9	\$600.00	\$5,400.00	\$340.00	\$3,060.00	\$658.00	\$5,922.00
10	PERMANENT TRAFFIC CONTROL DEVICES FOR VALENCIA SECTION 4 (INCLUDES TRAFFIC BUTTONS, PAVEMENT STRIPING, ETC.), COMPLETE IN PLACE	LS	1	\$6,000.00	\$6,000.00	\$2,150.00	\$2,150.00	\$2,358.00	\$2,358.00
11	WHEELCHAIR RAMPS PER DETAIL IN THE CONSTRUCTION PLANS, COMPLETE IN PLACE	EA	24	\$1,300.00	\$31,200.00	\$1,500.00	\$36,000.00	\$1,188.00	\$28,512.00
12	INSTALL TYPE III BARRICADE, COMPLETE IN PLACE	EA	2	\$1,200.00	\$2,400.00	\$1,400.00	\$2,800.00	\$1,500.00	\$3,000.00
13	STANDARD CONCRETE PAVING HEADER, COMPLETE IN PLACE	LF	69	\$20.00	\$1,380.00	\$20.00	\$1,380.00	\$18.00	\$1,242.00

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 AND PAVING AND APPURTENANCES  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 83  
 CITY OF MANVEL, BRAZORIA COUNTY, TEXAS  
 FEBRUARY 14, 2023  
 LJA ENGINEERING, INC.  
 D. FORREST  
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 2791-4104 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) DIMAS BROS. CONSTRUCTION		2) R CONSTRUCTION CIVIL, LLC		3) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
14	REMOVE AND DISPOSE OF EXISTING TYPE III BARRICADE, COMPLETE IN PLACE	EA	1	\$1.00	\$1.00	\$1.00	\$1.00	\$0.02	\$0.02
15	CONNECT PROPOSED 6" REINFORCED CONCRETE PAVEMENT TO EXISTING REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	LF	28	\$30.00	\$840.00	\$35.00	\$980.00	\$18.00	\$504.00
16	36" RCP STORM SEWER CULVERT, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	220	\$110.70	\$24,354.00	\$130.00	\$28,600.00	\$138.00	\$30,360.00
17	5" REINFORCED CONCRETE SLOPE PAVING, INCLUDES TOE WALL ON ALL SIDES, (MEASURED IN PLAN VIEW), COMPLETE IN PLACE	SY	213	\$86.00	\$18,318.00	\$85.00	\$18,105.00	\$80.00	\$17,040.00
<b>PAVING ITEMS SUBTOTAL:</b>					<b>\$1,139,752.50</b>		<b>\$1,150,713.50</b>		<b>\$1,091,383.18</b>
<b>MISCELLANEOUS PAVING ITEMS</b>									
1	EXTRA SIGN, COMPLETE IN PLACE	EA	1	\$600.00	\$600.00	\$600.00	\$600.00	\$600.00	\$600.00
2	HAUL EXCESS MATERIAL FROM ROADWAY AND LOT EXCAVATION TO DESIGNATED FILL AREA ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, HAULING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS TO FILL AREAS, (TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$8.00	\$800.00	\$8.00	\$800.00	\$0.08	\$8.00
<b>MISCELLANEOUS PAVING ITEMS SUBTOTAL:</b>					<b>\$1,400.00</b>		<b>\$1,400.00</b>		<b>\$608.00</b>
<b>BIDDING SUMMARY</b>									
SUBTOTAL WATER ITEMS					\$410,698.45		\$414,301.05		\$470,792.56
SUBTOTAL SANITARY ITEMS					\$461,733.50		\$394,757.15		\$456,405.76
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$1,407,249.10		\$1,553,182.95		\$1,518,302.28
SUBTOTAL MISCELLANEOUS WS&D ITEMS					\$32,784.00		\$39,350.00		\$37,451.88
SUBTOTAL SWPPP ITEMS					\$7,382.45		\$14,877.00		\$3,875.36
SUBTOTAL PAVING ITEMS					\$1,139,752.50		\$1,150,713.50		\$1,091,383.18
SUBTOTAL MISCELLANEOUS PAVING ITEMS					\$1,400.00		\$1,400.00		\$608.00
<b>TOTAL AMOUNT BASE BID</b>					<b>\$3,461,000.00</b>		<b>\$3,568,581.65</b>		<b>\$3,578,819.02</b>

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 AND PAVING AND APPURTENANCES  
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 FEBRUARY 14, 2023  
 LJA ENGINEERING, INC.  
 D. FORREST  
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 2791-4104 (9.2)

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**LJA JOB NO.**

ITEM	DESCRIPTION	UNIT	QTY	4) BAY UTILITIES. LLC		5) CROSTEX CONSTRUCTION INC.		6) NORTHTEX CONSTRUCTION, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>WATER ITEMS</b>									
1	6" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	1402	\$27.00	\$37,854.00	\$28.25	\$39,606.50	\$32.61	\$45,719.22
2	6" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	310	\$32.00	\$9,920.00	\$34.00	\$10,540.00	\$31.96	\$9,907.60
3	8" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	2936	\$33.00	\$96,888.00	\$33.25	\$97,622.00	\$37.70	\$110,687.20
4	8" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	300	\$39.00	\$11,700.00	\$40.00	\$12,000.00	\$41.55	\$12,465.00
5	6" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	4	\$1,000.00	\$4,000.00	\$1,095.00	\$4,380.00	\$1,742.21	\$6,968.84
6	8" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	13	\$1,600.00	\$20,800.00	\$1,655.00	\$21,515.00	\$2,366.34	\$30,762.42
7	1" DIAMETER "NEAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	26	\$450.00	\$11,700.00	\$475.00	\$12,350.00	\$646.78	\$16,816.28
8	1" DIAMETER "FAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	43	\$1,000.00	\$43,000.00	\$940.00	\$40,420.00	\$797.94	\$34,311.42
9	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, GATE VALVE & BOX, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	14	\$6,400.00	\$89,600.00	\$7,000.00	\$98,000.00	\$6,496.12	\$90,945.68
10	END OF LINE FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES REDUCER, LEAD, APPROPRIATE TEE AND RESTRAINED JOINTS, COMPLETE IN PLACE	EA	2	\$5,000.00	\$10,000.00	\$5,500.00	\$11,000.00	\$4,866.23	\$9,732.46
11	8" WET CONNECTION, INCLUDES REMOVAL OF EXISTING FLUSHING VALVE AND REDUCER AND CONNECTION TO EXISTING 8" WATER LINE, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$450.00	\$450.00	\$1,003.78	\$1,003.78
12	P.V.C. CASING FOR 6" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	228	\$96.00	\$21,888.00	\$93.00	\$21,204.00	\$81.57	\$18,597.96
13	P.V.C. CASING FOR 8" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	313	\$135.00	\$42,255.00	\$130.00	\$40,690.00	\$128.61	\$40,254.93
14	STEEL CASING FOR 8" WATER LINE, DOES NOT INCLUDE CARRIER PIPE, COMPLETE IN PLACE	LF	72	\$66.00	\$4,752.00	\$105.00	\$7,560.00	\$136.27	\$9,811.44
15	TRENCHLESS CONSTRUCTION FOR STEEL CASING FOR 8" WATER LINE, INCLUDES EXCAVATION AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	72	\$103.00	\$7,416.00	\$100.00	\$7,200.00	\$78.78	\$5,672.16
16	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	1330	\$3.00	\$3,990.00	\$1.00	\$1,330.00	\$1.70	\$2,261.00
17	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	7501	\$0.10	\$750.10	\$1.05	\$7,876.05	\$0.33	\$2,475.33
<b>WATER ITEMS SUBTOTAL:</b>					<b>\$417,013.10</b>		<b>\$433,743.55</b>		<b>\$448,392.72</b>



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 D. FORREST  
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ITEM	DESCRIPTION	UNIT	QTY	4) BAY UTILITIES. LLC		5) CROSTEX CONSTRUCTION INC.		6) NORTHTEX CONSTRUCTION, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>SANITARY ITEMS</b>									
1	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	80	\$45.00	\$3,600.00	\$29.25	\$2,340.00	\$43.95	\$3,516.00
2	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1404	\$48.00	\$67,392.00	\$32.00	\$44,928.00	\$37.30	\$52,369.20
3	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1857	\$50.00	\$92,850.00	\$35.50	\$65,923.50	\$44.24	\$82,153.68
4	"LONG SIDE" DOUBLE OR SINGLE 8" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	363	\$37.00	\$13,431.00	\$37.75	\$13,703.25	\$50.81	\$18,444.03
5	"LONG SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	959	\$34.00	\$32,606.00	\$37.00	\$35,483.00	\$43.72	\$41,927.48
6	"SHORT SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	29	\$1,200.00	\$34,800.00	\$1,390.00	\$40,310.00	\$1,350.01	\$39,150.29
7	PRECAST STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (0'-8' DEPTH), INCLUDES PROTECTIVE INTERIOR COATING, STAINLESS STEEL INFLOW PROTECTOR AND ADJUSTMENTS, COMPLETE IN PLACE	EA	22	\$4,100.00	\$90,200.00	\$4,150.00	\$91,300.00	\$4,423.35	\$97,313.70
8	EXTRA DEPTH OF SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	79	\$300.00	\$23,700.00	\$375.00	\$29,625.00	\$316.77	\$25,024.83
9	REMOVE EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED 8" SANITARY SEWER TO EXISTING 8" SANITARY SEWER, COMPLETE IN PLACE	EA	1	\$200.00	\$200.00	\$100.00	\$100.00	\$869.03	\$869.03
10	STANDARD SANITARY SEWER DROP CONNECTION, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$600.00	\$2,400.00	\$750.00	\$3,000.00	\$1,416.42	\$5,665.68
11	ADJUST MANHOLE RIM TO FINISHED GRADE, COMPLETE IN PLACE	EA	3	\$50.00	\$150.00	\$100.00	\$300.00	\$397.90	\$1,193.70
12	DEWATERING, ALL SIZES AND DEPTHS, FOR SANITARY SEWER CONSTRUCTION (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1857	\$20.00	\$37,140.00	\$20.00	\$37,140.00	\$20.00	\$37,140.00
13	ADDITIONAL COST FOR SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1857	\$15.00	\$27,855.00	\$15.00	\$27,855.00	\$15.00	\$27,855.00
14	T.V. INSPECTION OF SANITARY SEWER LINES, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	3624	\$2.25	\$8,154.00	\$2.50	\$9,060.00	\$1.67	\$6,052.08
15	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	1643	\$3.00	\$4,929.00	\$1.00	\$1,643.00	\$1.70	\$2,793.10
16	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	4583	\$0.10	\$458.30	\$1.05	\$4,812.15	\$0.56	\$2,566.48
<b>SANITARY ITEMS SUBTOTAL:</b>					<b>\$439,865.30</b>		<b>\$407,522.90</b>		<b>\$444,034.28</b>

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ITEM	DESCRIPTION	UNIT	QTY	4) BAY UTILITIES. LLC		5) CROSTEX CONSTRUCTION INC.		6) NORTHTEX CONSTRUCTION, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>DRAINAGE FACILITIES ITEMS</b>									
1	24-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1839	\$67.00	\$123,213.00	\$71.00	\$130,569.00	\$68.63	\$126,210.57
2	30-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	449	\$87.00	\$39,063.00	\$92.00	\$41,308.00	\$96.21	\$43,198.29
3	36-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	566	\$123.00	\$69,618.00	\$129.00	\$73,014.00	\$132.29	\$74,876.14
4	42-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	412	\$179.00	\$73,748.00	\$172.00	\$70,864.00	\$184.40	\$75,972.80
5	48-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	190	\$214.00	\$40,660.00	\$207.00	\$39,330.00	\$215.95	\$41,030.50
6	5' X 4' PRECAST REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES NON-SHRINK GROUT ON ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	399	\$456.00	\$181,944.00	\$455.00	\$181,545.00	\$470.49	\$187,725.51
7	6'X4' PRECAST REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES NON-SHRINK GROUT ON ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	22	\$561.00	\$12,342.00	\$555.00	\$12,210.00	\$906.72	\$19,947.84
8	8'X4' PRECAST REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES NON-SHRINK GROUT ON ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	914	\$737.00	\$673,618.00	\$768.00	\$701,952.00	\$735.51	\$672,256.14
9	STAGE I - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	28	\$2,000.00	\$56,000.00	\$2,000.00	\$56,000.00	\$1,250.73	\$35,020.44
10	STAGE II - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	28	\$1,000.00	\$28,000.00	\$800.00	\$22,400.00	\$1,965.34	\$55,029.52
11	STAGE I - STANDARD 10' PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	12	\$3,500.00	\$42,000.00	\$2,000.00	\$24,000.00	\$1,473.02	\$17,676.24
12	STAGE II - STANDARD 10' PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	12	\$1,500.00	\$18,000.00	\$1,900.00	\$22,800.00	\$1,965.34	\$23,584.08
13	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	16	\$2,600.00	\$41,600.00	\$3,250.00	\$52,000.00	\$2,572.56	\$41,160.96
14	STANDARD TYPE "C" MANHOLE WITH GRATE INLET TOP FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,500.00	\$2,500.00	\$3,500.00	\$3,500.00	\$2,683.71	\$2,683.71
15	STANDARD TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$3,400.00	\$13,600.00	\$9,000.00	\$36,000.00	\$3,258.87	\$13,035.48
16	STANDARD TYPE "C" MANHOLE WITH TYPE 'E' INLET TOP FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$4,000.00	\$4,000.00	\$7,500.00	\$7,500.00	\$2,906.00	\$2,906.00
17	REINFORCED JUNCTION BOX WITH TYPE 'C' MANHOLE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$16,000.00	\$80,000.00	\$8,500.00	\$42,500.00	\$16,972.98	\$84,864.90
18	TYPE "C" MANHOLE TOP FOR REINFORCED CONCRETE BOX, COMPLETE IN PLACE	EA	3	\$1,600.00	\$4,800.00	\$2,000.00	\$6,000.00	\$1,978.16	\$5,934.48
19	REINFORCED CONCRETE BEND WITH TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	4	\$2,100.00	\$8,400.00	\$3,500.00	\$14,000.00	\$2,772.02	\$11,088.08
20	TYPE "E" INLET, OPEN ON ALL SIDES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$7,000.00	\$7,000.00	\$3,500.00	\$3,500.00	\$2,448.83	\$2,448.83

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CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 AND PAVING AND APPURTENANCES  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 83  
 CITY OF MANVEL, BRAZORIA COUNTY, TEXAS  
 FEBRUARY 14, 2023  
 LJA ENGINEERING, INC.  
 D. FORREST  
 FEBRUARY 14, 2023  
 2791-4104 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) BAY UTILITIES. LLC		5) CROSTEX CONSTRUCTION INC.		6) NORTHTEX CONSTRUCTION, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
21	CONTRACTOR TO REMOVE EXISTING BRICK PLUG AND CONNECT PROPOSED STORM SEWER, ALL SIZES, COMPLETE IN PLACE	EA	4	\$900.00	\$3,600.00	\$250.00	\$1,000.00	\$375.48	\$1,501.92
22	CONTRACTOR TO REMOVE EXISTING TYPE 'C' MANHOLE TOP AND REPLACE WITH A GRATE INLET TOP AT FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$2,200.00	\$2,200.00	\$750.00	\$750.00	\$2,170.96	\$2,170.96
23	CONTRACTOR TO REMOVE EXISTING TYPE 'C' MANHOLE TOP AND REPLACE WITH A TYPE 'E' INLET TOP AT FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$2,700.00	\$2,700.00	\$2,000.00	\$2,000.00	\$2,170.96	\$2,170.96
24	PROPOSED SWALES, SIDE SLOPES PER CONSTRUCTION PLANS, COMPLETE IN PLACE	LF	2972	\$2.60	\$7,727.20	\$3.25	\$9,659.00	\$3.07	\$9,124.04
25	SLOPE STABILIZATION MATERIAL (PYRAMAT 25 OR APPROVED EQUIVALENT), INCLUDES TOPSOIL, SOD AND ANCHORS (MEASURED IN PLAN VIEW), COMPLETE IN PLACE	SY	248	\$10.00	\$2,480.00	\$30.00	\$7,440.00	\$42.24	\$10,475.52
26	EMERGENCY OVERFLOW SWALE, 6' BOTTOM, 6:1 SIDE SLOPES, TOPSOIL AND SOD, COMPLETE IN PLACE	LF	46	\$56.00	\$2,576.00	\$10.00	\$460.00	\$12.29	\$565.34
27	8" BRICK PLUG FOR STORM SEWER, ALL SIZES, COMPLETE IN PLACE	EA	3	\$70.00	\$210.00	\$200.00	\$600.00	\$292.65	\$877.95
28	DEWATERING FOR STORM SEWER CONSTRUCTION, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
29	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$15.00	\$1,500.00	\$15.00	\$1,500.00	\$15.00	\$1,500.00
30	T.V. INSPECTION OF STORM SEWER LINES, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	4791	\$3.75	\$17,966.25	\$4.00	\$19,164.00	\$2.22	\$10,636.02
31	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	7293	\$3.00	\$21,879.00	\$1.00	\$7,293.00	\$2.39	\$17,430.27
32	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	4791	\$0.10	\$479.10	\$1.05	\$5,030.55	\$0.71	\$3,401.61
<b>DRAINAGE FACILITIES ITEMS SUBTOTAL:</b>					<b>\$1,585,423.55</b>	<b>\$1,597,888.55</b>	<b>\$1,598,505.10</b>		
<b>MISCELLANEOUS WS&amp;D ITEMS</b>									
1	HYDROMULCH SEEDING AND FINE GRADING OF LAKE AND BAYOU MAINTENANCE BERM DISTURBED BY CONSTRUCTION OF STORM SEWER OUTFALL, COMPLETE IN PLACE	AC	1	\$2,200.00	\$2,200.00	\$2,000.00	\$2,000.00	\$20.00	\$20.00
2	EXTRA CEMENT STABILIZED SAND, (1.1 SACKS PER TON), (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL DEPTHS, COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$23.00	\$2,300.00	\$25.18	\$2,518.00
3	CITY OF MANVEL PERMITTING FEE, COMPLETE IN PLACE	LS	1	\$9,100.00	\$9,100.00	\$30,015.75	\$30,015.75	\$33,344.06	\$33,344.06
<b>MISCELLANEOUS WS&amp;D ITEMS SUBTOTAL:</b>					<b>\$13,300.00</b>	<b>\$34,315.75</b>	<b>\$35,882.06</b>		
<b>SWPPP ITEMS</b>									
1	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, COMPLETE IN PLACE	LS	1	\$225.00	\$225.00	\$1,500.00	\$1,500.00	\$2,889.82	\$2,889.82
2	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE TRUCK WASHOUT PIT, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$1,238.54	\$1,238.54

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 AND PAVING AND APPURTENANCES  
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 CITY OF MANVEL, BRAZORIA COUNTY, TEXAS  
 FEBRUARY 14, 2023  
 LJA ENGINEERING, INC.  
 D. FORREST  
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ITEM	DESCRIPTION	UNIT	QTY	4) BAY UTILITIES. LLC		5) CROSTEX CONSTRUCTION INC.		6) NORTHTEX CONSTRUCTION, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
3	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION ENTRANCE, COMPLETE IN PLACE	EA	1	\$2,400.00	\$2,400.00	\$1,500.00	\$1,500.00	\$3,557.70	\$3,557.70
4	TYPE II INLET PROTECTION BARRIERS FOR PROPOSED INLETS, COMPLETE IN PLACE	EA	2	\$40.00	\$80.00	\$100.00	\$200.00	\$83.36	\$166.72
5	TYPE III INLET PROTECTION BARRIERS FOR PROPOSED INLETS, COMPLETE IN PLACE	EA	40	\$30.00	\$1,200.00	\$30.00	\$1,200.00	\$94.48	\$3,779.20
6	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	10702	\$2.15	\$23,009.30	\$1.50	\$16,053.00	\$1.67	\$17,872.34
7	TYPE II INLET PROTECTION BARRIERS FOR EXISTING INLETS, COMPLETE IN PLACE	EA	3	\$40.00	\$120.00	\$100.00	\$300.00	\$83.36	\$250.08
8	TYPE III INLET PROTECTIO BARRIERS FOR EXISTING INLETS, COMPLETE IN PLACE	EA	2	\$30.00	\$60.00	\$30.00	\$60.00	\$94.48	\$188.96
<b>SWPPP ITEMS SUBTOTAL:</b>					<b>\$29,094.30</b>		<b>\$22,313.00</b>		<b>\$29,943.36</b>
<b>PAVING ITEMS</b>									
1	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	15587	\$47.00	\$732,589.00	\$48.25	\$752,072.75	\$51.76	\$806,783.12
2	8" LIME/FLY ASH STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	16490	\$2.90	\$47,821.00	\$3.35	\$55,241.50	\$1.70	\$28,033.00
3	HYDRATED LIME FOR 8" STABILIZED SUBGRADE (6% LIME BY WEIGHT, 40 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	327	\$275.00	\$89,925.00	\$277.00	\$90,579.00	\$283.42	\$92,678.34
4	FLY ASH FOR 8" STABILIZED SUBGRADE (8% FLY ASH BY WEIGHT, 53 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	436	\$120.00	\$52,320.00	\$139.00	\$60,604.00	\$144.49	\$62,997.64
5	4" X 12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	2161	\$3.75	\$8,103.75	\$4.00	\$8,644.00	\$4.69	\$10,135.09
6	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	5874	\$3.75	\$22,027.50	\$4.00	\$23,496.00	\$4.69	\$27,549.06
7	COMPLETE LOT GRADING (68 LOTS, 3 RESERVES) AND FINAL DRESSING OF ALL AREAS, COMPLETE IN PLACE	LS	1	\$11,500.00	\$11,500.00	\$7,175.00	\$7,175.00	\$11,848.95	\$11,848.95
8	ROADWAY AND LOT EXCAVATION TO BE USED FOR FILL TO FINAL GRADE WITHIN THE PROJECT LIMITS, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, HAUL, PLACEMENT AND COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	9280	\$4.50	\$41,760.00	\$3.65	\$33,872.00	\$4.23	\$39,254.40
9	TRAFFIC CONTROL SIGN AND POST IN ACCORDANCE WITH THE CITY OF MANVEL STANDARD STREET SIGN DETAIL, INCLUDES STOP SIGNS, STREET NAME SIGNS WITH "NO OUTLET" IF NEEDED, DIRECTIONAL SIGNS WITH SUPPLEMENTS, ETC. (SIGNS AND POSTS TO BE PROVIDED BY ONE WAY STRIPINGS AND SIGNS), COMPLETE IN PLACE	EA	9	\$650.00	\$5,850.00	\$667.00	\$6,003.00	\$527.95	\$4,751.55
10	PERMANENT TRAFFIC CONTROL DEVICES FOR VALENCIA SECTION 4 (INCLUDES TRAFFIC BUTTONS, PAVEMENT STRIPING, ETC.), COMPLETE IN PLACE	LS	1	\$1,830.00	\$1,830.00	\$2,565.00	\$2,565.00	\$3,890.14	\$3,890.14
11	WHEELCHAIR RAMPS PER DETAIL IN THE CONSTRUCTION PLANS, COMPLETE IN PLACE	EA	24	\$1,600.00	\$38,400.00	\$1,230.00	\$29,520.00	\$1,340.05	\$32,161.20
12	INSTALL TYPE III BARRICADE, COMPLETE IN PLACE	EA	2	\$1,300.00	\$2,600.00	\$1,435.00	\$2,870.00	\$1,000.32	\$2,000.64
13	STANDARD CONCRETE PAVING HEADER, COMPLETE IN PLACE	LF	69	\$15.00	\$1,035.00	\$16.00	\$1,104.00	\$15.40	\$1,062.60

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ITEM	DESCRIPTION	UNIT	QTY	4) BAY UTILITIES. LLC		5) CROSTEX CONSTRUCTION INC.		6) NORTHTEX CONSTRUCTION, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
14	REMOVE AND DISPOSE OF EXISTING TYPE III BARRICADE, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$10.00	\$10.00	\$166.72	\$166.72
15	CONNECT PROPOSED 6" REINFORCED CONCRETE PAVEMENT TO EXISTING REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	LF	28	\$25.00	\$700.00	\$21.00	\$588.00	\$38.95	\$1,090.60
16	36" RCP STORM SEWER CULVERT, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	220	\$123.00	\$27,060.00	\$171.00	\$37,620.00	\$135.29	\$29,763.80
17	5" REINFORCED CONCRETE SLOPE PAVING, INCLUDES TOE WALL ON ALL SIDES, (MEASURED IN PLAN VIEW), COMPLETE IN PLACE	SY	213	\$94.00	\$20,022.00	\$120.00	\$25,560.00	\$103.82	\$22,113.66
<b>PAVING ITEMS SUBTOTAL:</b>					<b>\$1,103,643.25</b>		<b>\$1,137,524.25</b>		<b>\$1,176,280.51</b>
<b>MISCELLANEOUS PAVING ITEMS</b>									
1	EXTRA SIGN, COMPLETE IN PLACE	EA	1	\$720.00	\$720.00	\$667.00	\$667.00	\$527.95	\$527.95
2	HAUL EXCESS MATERIAL FROM ROADWAY AND LOT EXCAVATION TO DESIGNATED FILL AREA ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, HAULING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS TO FILL AREAS, (TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$10.00	\$1,000.00	\$10.25	\$1,025.00	\$2.34	\$234.00
<b>MISCELLANEOUS PAVING ITEMS SUBTOTAL:</b>					<b>\$1,720.00</b>		<b>\$1,692.00</b>		<b>\$761.95</b>
<b>BIDDING SUMMARY</b>									
SUBTOTAL WATER ITEMS					\$417,013.10		\$433,743.55		\$448,392.72
SUBTOTAL SANITARY ITEMS					\$439,865.30		\$407,522.90		\$444,034.28
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$1,585,423.55		\$1,597,888.55		\$1,598,505.10
SUBTOTAL MISCELLANEOUS WS&D ITEMS					\$13,300.00		\$34,315.75		\$35,882.06
SUBTOTAL SWPPP ITEMS					\$29,094.30		\$22,313.00		\$29,943.36
SUBTOTAL PAVING ITEMS					\$1,103,643.25		\$1,137,524.25		\$1,176,280.51
SUBTOTAL MISCELLANEOUS PAVING ITEMS					\$1,720.00		\$1,692.00		\$761.95
<b>TOTAL AMOUNT BASE BID</b>					<b>\$3,590,059.50</b>		<b>\$3,635,000.00</b>		<b>\$3,733,799.98</b>

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ITEM	DESCRIPTION	UNIT	QTY	7) PRINCIPAL SERVICES, LTD		8) ALLGOOD CONSTRUCTION CO., INC.		9) HCG, LLC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>WATER ITEMS</b>									
1	6" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	1402	\$30.00	\$42,060.00	\$30.18	\$42,312.36	\$42.00	\$58,884.00
2	6" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	310	\$32.00	\$9,920.00	\$35.62	\$11,042.20	\$49.00	\$15,190.00
3	8" P.V.C. WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS, COMPLETE IN PLACE	LF	2936	\$40.00	\$117,440.00	\$37.75	\$110,834.00	\$51.00	\$149,736.00
4	8" P.V.C. RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, ALL DEPTHS, INCLUDES ALL FITTINGS AND RESTRAINED JOINTS, COMPLETE IN PLACE	LF	300	\$45.00	\$13,500.00	\$42.47	\$12,741.00	\$40.00	\$12,000.00
5	6" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	4	\$1,100.00	\$4,400.00	\$1,113.00	\$4,452.00	\$1,400.00	\$5,600.00
6	8" AWWA GATE VALVE & BOX, COMPLETE IN PLACE	EA	13	\$1,700.00	\$22,100.00	\$1,732.50	\$22,522.50	\$2,250.00	\$29,250.00
7	1" DIAMETER "NEAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	26	\$400.00	\$10,400.00	\$448.40	\$11,658.40	\$1,450.00	\$37,700.00
8	1" DIAMETER "FAR SIDE" SINGLE WATER SERVICE CONNECTION (PER DETAIL IN THE CONSTRUCTION DRAWINGS), INCLUDES ALL FITTINGS, HARDWARE AND METER BOX, COMPLETE IN PLACE	EA	43	\$1,000.00	\$43,000.00	\$854.44	\$36,740.92	\$2,000.00	\$86,000.00
9	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, GATE VALVE & BOX, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	14	\$6,000.00	\$84,000.00	\$7,146.30	\$100,048.20	\$9,925.00	\$138,950.00
10	END OF LINE FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES REDUCER, LEAD, APPROPRIATE TEE AND RESTRAINED JOINTS, COMPLETE IN PLACE	EA	2	\$4,000.00	\$8,000.00	\$5,701.50	\$11,403.00	\$6,850.00	\$13,700.00
11	8" WET CONNECTION, INCLUDES REMOVAL OF EXISTING FLUSHING VALVE AND REDUCER AND CONNECTION TO EXISTING 8" WATER LINE, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$472.50	\$472.50	\$1,220.00	\$1,220.00
12	P.V.C. CASING FOR 6" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	228	\$70.00	\$15,960.00	\$78.75	\$17,955.00	\$109.00	\$24,852.00
13	P.V.C. CASING FOR 8" WATER LINE (DOES NOT INCLUDE CARRIER PIPE), INCLUDES END SEALS AND SPACERS IN ACCORDANCE WITH CITY OF MANVEL DETAILS, COMPLETE IN PLACE	LF	313	\$105.00	\$32,865.00	\$120.75	\$37,794.75	\$154.00	\$48,202.00
14	STEEL CASING FOR 8" WATER LINE, DOES NOT INCLUDE CARRIER PIPE, COMPLETE IN PLACE	LF	72	\$75.00	\$5,400.00	\$105.00	\$7,560.00	\$167.00	\$12,024.00
15	TRENCHLESS CONSTRUCTION FOR STEEL CASING FOR 8" WATER LINE, INCLUDES EXCAVATION AND BACKFILL OF BORE PITS, COMPLETE IN PLACE	LF	72	\$100.00	\$7,200.00	\$50.40	\$3,628.80	\$105.00	\$7,560.00
16	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	1330	\$1.00	\$1,330.00	\$3.94	\$5,240.20	\$2.25	\$2,992.50
17	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	7501	\$0.00	\$0.00	\$1.05	\$7,876.05	\$0.60	\$4,500.60
<b>WATER ITEMS SUBTOTAL:</b>					<b>\$418,075.00</b>		<b>\$444,281.88</b>		<b>\$648,361.10</b>

**BID TABULATION FOR:**

CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 AND PAVING AND APPURTENANCES  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 83  
 CITY OF MANVEL, BRAZORIA COUNTY, TEXAS  
 FEBRUARY 14, 2023  
 LJA ENGINEERING, INC.  
 D. FORREST  
 FEBRUARY 14, 2023  
 2791-4104 (9.2)

**BID OPENING DATE:**

**BID OPENING LOCATION:**

**TABULATION BY:**

**TABULATION DATE:**

**LJA JOB NO.**

ITEM	DESCRIPTION	UNIT	QTY	7) PRINCIPAL SERVICES, LTD		8) ALLGOOD CONSTRUCTION CO., INC.		9) HCG, LLC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>SANITARY ITEMS</b>									
1	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	80	\$55.00	\$4,400.00	\$34.98	\$2,798.40	\$43.15	\$3,452.00
2	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1404	\$60.00	\$84,240.00	\$38.48	\$54,025.92	\$51.60	\$72,446.40
3	8" P.V.C. SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1857	\$65.00	\$120,705.00	\$41.28	\$76,656.96	\$65.25	\$121,169.25
4	"LONG SIDE" DOUBLE OR SINGLE 8" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	363	\$38.00	\$13,794.00	\$43.82	\$15,906.66	\$57.85	\$20,999.55
5	"LONG SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	959	\$33.00	\$31,647.00	\$43.96	\$42,157.64	\$71.20	\$68,280.80
6	"SHORT SIDE" DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	29	\$1,100.00	\$31,900.00	\$1,794.84	\$52,050.36	\$3,076.00	\$89,204.00
7	PRECAST STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (0'-8' DEPTH), INCLUDES PROTECTIVE INTERIOR COATING, STAINLESS STEEL INFLOW PROTECTOR AND ADJUSTMENTS, COMPLETE IN PLACE	EA	22	\$6,690.00	\$147,180.00	\$4,825.80	\$106,167.60	\$5,400.00	\$118,800.00
8	EXTRA DEPTH OF SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	79	\$500.00	\$39,500.00	\$288.75	\$22,811.25	\$182.40	\$14,409.60
9	REMOVE EXISTING SANITARY SEWER PLUG AND CONNECT PROPOSED 8" SANITARY SEWER TO EXISTING 8" SANITARY SEWER, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$105.00	\$105.00	\$940.00	\$940.00
10	STANDARD SANITARY SEWER DROP CONNECTION, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$1,000.00	\$4,000.00	\$577.50	\$2,310.00	\$1,665.00	\$6,660.00
11	ADJUST MANHOLE RIM TO FINISHED GRADE, COMPLETE IN PLACE	EA	3	\$1.00	\$3.00	\$262.50	\$787.50	\$530.00	\$1,590.00
12	DEWATERING, ALL SIZES AND DEPTHS, FOR SANITARY SEWER CONSTRUCTION (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1857	\$20.00	\$37,140.00	\$25.00	\$46,425.00	\$20.00	\$37,140.00
13	ADDITIONAL COST FOR SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1857	\$15.00	\$27,855.00	\$15.00	\$27,855.00	\$20.00	\$37,140.00
14	T.V. INSPECTION OF SANITARY SEWER LINES, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	3624	\$0.10	\$362.40	\$1.05	\$3,805.20	\$1.45	\$5,254.80
15	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	1643	\$1.00	\$1,643.00	\$3.94	\$6,473.42	\$2.55	\$4,189.65
16	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	4583	\$0.00	\$0.00	\$1.05	\$4,812.15	\$1.15	\$5,270.45
<b>SANITARY ITEMS SUBTOTAL:</b>					<b>\$544,469.40</b>		<b>\$465,148.06</b>		<b>\$606,946.50</b>

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 FEBRUARY 14, 2023  
 LJA ENGINEERING, INC.  
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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>DRAINAGE FACILITIES ITEMS</b>									
1	24-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1839	\$86.00	\$158,154.00	\$82.32	\$151,386.48	\$84.00	\$154,476.00
2	30-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	449	\$95.00	\$42,655.00	\$105.15	\$47,212.35	\$128.00	\$57,472.00
3	36-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	566	\$133.00	\$75,278.00	\$145.27	\$82,222.82	\$163.00	\$92,258.00
4	42-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	412	\$194.00	\$79,928.00	\$200.88	\$82,762.56	\$222.00	\$91,464.00
5	48-INCH RCP, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	190	\$229.00	\$43,510.00	\$236.70	\$44,973.00	\$265.00	\$50,350.00
6	5' X 4' PRECAST REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES NON-SHRINK GROUT ON ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	399	\$466.00	\$185,934.00	\$489.88	\$195,462.12	\$770.00	\$307,230.00
7	6'X4' PRECAST REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES NON-SHRINK GROUT ON ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	22	\$580.00	\$12,760.00	\$593.62	\$13,059.64	\$900.00	\$19,800.00
8	8'X4' PRECAST REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, ALL DEPTHS, INCLUDES NON-SHRINK GROUT ON ALL JOINTS AND BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	914	\$767.00	\$701,038.00	\$798.36	\$729,701.04	\$800.00	\$731,200.00
9	STAGE I - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	28	\$1,100.00	\$30,800.00	\$1,748.25	\$48,951.00	\$1,900.00	\$53,200.00
10	STAGE II - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	28	\$1,500.00	\$42,000.00	\$1,596.00	\$44,688.00	\$2,155.00	\$60,340.00
11	STAGE I - STANDARD 10' PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS, COMPLETE IN PLACE	EA	12	\$1,200.00	\$14,400.00	\$3,858.75	\$46,305.00	\$4,645.00	\$55,740.00
12	STAGE II - STANDARD 10' PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	12	\$1,900.00	\$22,800.00	\$2,205.00	\$26,460.00	\$4,050.00	\$48,600.00
13	STANDARD TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	16	\$2,500.00	\$40,000.00	\$3,228.75	\$51,660.00	\$4,160.00	\$66,560.00
14	STANDARD TYPE "C" MANHOLE WITH GRATE INLET TOP FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,200.00	\$3,200.00	\$5,565.00	\$5,565.00	\$6,575.00	\$6,575.00
15	STANDARD TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$3,300.00	\$13,200.00	\$9,250.50	\$37,002.00	\$11,465.00	\$45,860.00
16	STANDARD TYPE "C" MANHOLE WITH TYPE 'E' INLET TOP FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,400.00	\$3,400.00	\$7,754.25	\$7,754.25	\$9,885.00	\$9,885.00
17	REINFORCED JUNCTION BOX WITH TYPE 'C' MANHOLE TOP, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$14,000.00	\$70,000.00	\$8,547.00	\$42,735.00	\$10,615.00	\$53,075.00
18	TYPE "C" MANHOLE TOP FOR REINFORCED CONCRETE BOX, COMPLETE IN PLACE	EA	3	\$1,600.00	\$4,800.00	\$1,711.50	\$5,134.50	\$2,175.00	\$6,525.00
19	REINFORCED CONCRETE BEND WITH TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	4	\$1,600.00	\$6,400.00	\$5,250.00	\$21,000.00	\$2,010.00	\$8,040.00
20	TYPE "E" INLET, OPEN ON ALL SIDES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,300.00	\$2,300.00	\$4,725.00	\$4,725.00	\$4,235.00	\$4,235.00



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ITEM	DESCRIPTION	UNIT	QTY	7) PRINCIPAL SERVICES, LTD		8) ALLGOOD CONSTRUCTION CO., INC.		9) HCG, LLC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
21	CONTRACTOR TO REMOVE EXISTING BRICK PLUG AND CONNECT PROPOSED STORM SEWER, ALL SIZES, COMPLETE IN PLACE	EA	4	\$500.00	\$2,000.00	\$367.50	\$1,470.00	\$615.00	\$2,460.00
22	CONTRACTOR TO REMOVE EXISTING TYPE 'C' MANHOLE TOP AND REPLACE WITH A GRATE INLET TOP AT FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$2,300.00	\$2,300.00	\$1,260.00	\$1,260.00	\$1,200.00	\$1,200.00
23	CONTRACTOR TO REMOVE EXISTING TYPE 'C' MANHOLE TOP AND REPLACE WITH A TYPE 'E' INLET TOP AT FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$2,300.00	\$2,300.00	\$1,575.00	\$1,575.00	\$1,200.00	\$1,200.00
24	PROPOSED SWALES, SIDE SLOPES PER CONSTRUCTION PLANS, COMPLETE IN PLACE	LF	2972	\$2.00	\$5,944.00	\$3.68	\$10,936.96	\$9.70	\$28,828.40
25	SLOPE STABILIZATION MATERIAL (PYRAMAT 25 OR APPROVED EQUIVALENT), INCLUDES TOPSOIL, SOD AND ANCHORS (MEASURED IN PLAN VIEW), COMPLETE IN PLACE	SY	248	\$1.00	\$248.00	\$21.00	\$5,208.00	\$4.80	\$1,190.40
26	EMERGENCY OVERFLOW SWALE, 6' BOTTOM, 6:1 SIDE SLOPES, TOPSOIL AND SOD, COMPLETE IN PLACE	LF	46	\$30.00	\$1,380.00	\$21.00	\$966.00	\$57.65	\$2,651.90
27	8" BRICK PLUG FOR STORM SEWER, ALL SIZES, COMPLETE IN PLACE	EA	3	\$250.00	\$750.00	\$367.50	\$1,102.50	\$475.00	\$1,425.00
28	DEWATERING FOR STORM SEWER CONSTRUCTION, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$25.00	\$2,500.00	\$25.00	\$2,500.00	\$20.00	\$2,000.00
29	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$15.00	\$1,500.00	\$15.00	\$1,500.00	\$20.00	\$2,000.00
30	T.V. INSPECTION OF STORM SEWER LINES, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	4791	\$0.10	\$479.10	\$1.05	\$5,030.55	\$1.40	\$6,707.40
31	UTILITY SPOILS TO BE USED ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, PLACEMENT, COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	7293	\$1.00	\$7,293.00	\$3.94	\$28,734.42	\$3.20	\$23,337.60
32	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	4791	\$0.00	\$0.00	\$1.05	\$5,030.55	\$0.85	\$4,072.35
<b>DRAINAGE FACILITIES ITEMS SUBTOTAL:</b>					<b>\$1,579,251.10</b>		<b>\$1,754,073.74</b>		<b>\$1,999,958.05</b>
<b>MISCELLANEOUS WS&amp;D ITEMS</b>									
1	HYDROMULCH SEEDING AND FINE GRADING OF LAKE AND BAYOU MAINTENANCE BERM DISTURBED BY CONSTRUCTION OF STORM SEWER OUTFALL, COMPLETE IN PLACE	AC	1	\$1,950.00	\$1,950.00	\$20.00	\$20.00	\$4,760.00	\$4,760.00
2	EXTRA CEMENT STABILIZED SAND, (1.1 SACKS PER TON), (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL DEPTHS, COMPLETE IN PLACE	CY	100	\$0.00	\$0.00	\$25.00	\$2,500.00	\$27.00	\$2,700.00
3	CITY OF MANVEL PERMITTING FEE, COMPLETE IN PLACE	LS	1	\$29,000.00	\$29,000.00	\$8,416.00	\$8,416.00	\$45,000.00	\$45,000.00
<b>MISCELLANEOUS WS&amp;D ITEMS SUBTOTAL:</b>					<b>\$30,950.00</b>		<b>\$10,936.00</b>		<b>\$52,460.00</b>
<b>SWPPP ITEMS</b>									
1	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE AND INSPECTIONS, COMPLETE IN PLACE	LS	1	\$100.00	\$100.00	\$525.00	\$525.00	\$3,900.00	\$3,900.00
2	INSTALLATION, MAINTENANCE AND REMOVAL OF CONCRETE TRUCK WASHOUT PIT, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$840.00	\$840.00	\$2,790.00	\$2,790.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
3	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION ENTRANCE, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$1,575.00	\$1,575.00	\$2,800.00	\$2,800.00
4	TYPE II INLET PROTECTION BARRIERS FOR PROPOSED INLETS, COMPLETE IN PLACE	EA	2	\$10.00	\$20.00	\$78.75	\$157.50	\$112.00	\$224.00
5	TYPE III INLET PROTECTION BARRIERS FOR PROPOSED INLETS, COMPLETE IN PLACE	EA	40	\$10.00	\$400.00	\$78.75	\$3,150.00	\$168.00	\$6,720.00
6	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	10702	\$0.50	\$5,351.00	\$1.73	\$18,514.46	\$3.90	\$41,737.80
7	TYPE II INLET PROTECTION BARRIERS FOR EXISTING INLETS, COMPLETE IN PLACE	EA	3	\$10.00	\$30.00	\$78.75	\$236.25	\$112.00	\$336.00
8	TYPE III INLET PROTECTIO BARRIERS FOR EXISTING INLETS, COMPLETE IN PLACE	EA	2	\$10.00	\$20.00	\$78.75	\$157.50	\$168.00	\$336.00
<b>SWPPP ITEMS SUBTOTAL:</b>					<b>\$7,921.00</b>	<b>\$25,155.71</b>			<b>\$58,843.80</b>
<b>PAVING ITEMS</b>									
1	6" REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	15587	\$50.00	\$779,350.00	\$49.05	\$764,542.35	\$51.00	\$794,937.00
2	8" LIME/FLY ASH STABILIZED SUBGRADE (MANIPULATION), COMPLETE IN PLACE	SY	16490	\$14.00	\$230,860.00	\$3.54	\$58,374.60	\$4.55	\$75,029.50
3	HYDRATED LIME FOR 8" STABILIZED SUBGRADE (6% LIME BY WEIGHT, 40 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	327	\$1.00	\$327.00	\$299.75	\$98,018.25	\$296.00	\$96,792.00
4	FLY ASH FOR 8" STABILIZED SUBGRADE (8% FLY ASH BY WEIGHT, 53 LBS/SY), AS REQUIRED BY SOIL CONDITIONS, AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	436	\$1.00	\$436.00	\$136.25	\$59,405.00	\$123.00	\$53,628.00
5	4" X 12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	2161	\$3.50	\$7,563.50	\$4.63	\$10,005.43	\$4.00	\$8,644.00
6	6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	5874	\$3.50	\$20,559.00	\$4.63	\$27,196.62	\$4.00	\$23,496.00
7	COMPLETE LOT GRADING (68 LOTS, 3 RESERVES) AND FINAL DRESSING OF ALL AREAS, COMPLETE IN PLACE	LS	1	\$15,000.00	\$15,000.00	\$15,478.00	\$15,478.00	\$35,000.00	\$35,000.00
8	ROADWAY AND LOT EXCAVATION TO BE USED FOR FILL TO FINAL GRADE WITHIN THE PROJECT LIMITS, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, HAUL, PLACEMENT AND COMPACTION OF MATERIALS TO 95% STANDARD PROCTOR DENSITY AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	9280	\$6.50	\$60,320.00	\$4.09	\$37,955.20	\$4.50	\$41,760.00
9	TRAFFIC CONTROL SIGN AND POST IN ACCORDANCE WITH THE CITY OF MANVEL STANDARD STREET SIGN DETAIL, INCLUDES STOP SIGNS, STREET NAME SIGNS WITH "NO OUTLET" IF NEEDED, DIRECTIONAL SIGNS WITH SUPPLEMENTS, ETC. (SIGNS AND POSTS TO BE PROVIDED BY ONE WAY STRIPINGS AND SIGNS), COMPLETE IN PLACE	EA	9	\$600.00	\$5,400.00	\$463.25	\$4,169.25	\$720.00	\$6,480.00
10	PERMANENT TRAFFIC CONTROL DEVICES FOR VALENCIA SECTION 4 (INCLUDES TRAFFIC BUTTONS, PAVEMENT STRIPING, ETC.), COMPLETE IN PLACE	LS	1	\$2,500.00	\$2,500.00	\$2,725.00	\$2,725.00	\$2,400.00	\$2,400.00
11	WHEELCHAIR RAMPS PER DETAIL IN THE CONSTRUCTION PLANS, COMPLETE IN PLACE	EA	24	\$1,425.00	\$34,200.00	\$1,362.50	\$32,700.00	\$2,230.00	\$53,520.00
12	INSTALL TYPE III BARRICADE, COMPLETE IN PLACE	EA	2	\$1,000.00	\$2,000.00	\$1,199.00	\$2,398.00	\$1,580.00	\$3,160.00
13	STANDARD CONCRETE PAVING HEADER, COMPLETE IN PLACE	LF	69	\$15.00	\$1,035.00	\$10.90	\$752.10	\$32.00	\$2,208.00

**BID TABULATION FOR:**

CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 AND PAVING AND APPURTENANCES  
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 83  
 CITY OF MANVEL, BRAZORIA COUNTY, TEXAS  
 FEBRUARY 14, 2023  
 LJA ENGINEERING, INC.  
 D. FORREST  
 FEBRUARY 14, 2023  
 2791-4104 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	7) PRINCIPAL SERVICES, LTD		8) ALLGOOD CONSTRUCTION CO., INC.		9) HCG, LLC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
14	REMOVE AND DISPOSE OF EXISTING TYPE III BARRICADE, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$109.00	\$109.00	\$186.00	\$186.00
15	CONNECT PROPOSED 6" REINFORCED CONCRETE PAVEMENT TO EXISTING REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	LF	28	\$38.00	\$1,064.00	\$1,090.00	\$30,520.00	\$26.40	\$739.20
16	36" RCP STORM SEWER CULVERT, ASTM C-76 CLASS III STORM SEWER, ALL DEPTHS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	220	\$133.00	\$29,260.00	\$158.05	\$34,771.00	\$163.00	\$35,860.00
17	5" REINFORCED CONCRETE SLOPE PAVING, INCLUDES TOE WALL ON ALL SIDES, (MEASURED IN PLAN VIEW), COMPLETE IN PLACE	SY	213	\$108.00	\$23,004.00	\$98.10	\$20,895.30	\$69.00	\$14,697.00
<b>PAVING ITEMS SUBTOTAL:</b>					<b>\$1,212,978.50</b>		<b>\$1,200,015.10</b>		<b>\$1,248,536.70</b>
<b>MISCELLANEOUS PAVING ITEMS</b>									
1	EXTRA SIGN, COMPLETE IN PLACE	EA	1	\$650.00	\$650.00	\$446.25	\$446.25	\$670.00	\$670.00
2	HAUL EXCESS MATERIAL FROM ROADWAY AND LOT EXCAVATION TO DESIGNATED FILL AREA ON SITE, INCLUDES STRIPPING, STOCKPILING OF STRIPPINGS, HAULING, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS TO FILL AREAS, (TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$10.00	\$1,000.00	\$10.50	\$1,050.00	\$3.20	\$320.00
<b>MISCELLANEOUS PAVING ITEMS SUBTOTAL:</b>					<b>\$1,650.00</b>		<b>\$1,496.25</b>		<b>\$990.00</b>
<b>BIDDING SUMMARY</b>									
SUBTOTAL WATER ITEMS					\$418,075.00		\$444,281.88		\$648,361.10
SUBTOTAL SANITARY ITEMS					\$544,469.40		\$465,148.06		\$606,946.50
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$1,579,251.10		\$1,754,073.74		\$1,999,958.05
SUBTOTAL MISCELLANEOUS WS&D ITEMS					\$30,950.00		\$10,936.00		\$52,460.00
SUBTOTAL SWPPP ITEMS					\$7,921.00		\$25,155.71		\$58,843.80
SUBTOTAL PAVING ITEMS					\$1,212,978.50		\$1,200,015.10		\$1,248,536.70
SUBTOTAL MISCELLANEOUS PAVING ITEMS					\$1,650.00		\$1,496.25		\$990.00
<b>TOTAL AMOUNT BASE BID</b>					<b>\$3,795,295.00</b>		<b>\$3,901,106.74</b>		<b>\$4,616,096.15</b>