

BID TABULATION FOR:

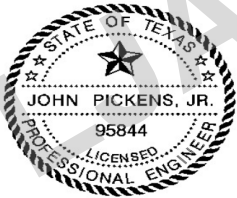
CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
TO SERVE PECAN ESTATES SECTION 2 AND PECAN ESTATES SECTION 3  
CROSBY MUNICIPAL UTILITY DISTRICT  
CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
OCTOBER 26, 2021  
LJA ENGINEERING, INC.  
D. FORREST  
OCTOBER 26, 2021  
2435-0210A & 2435-0310A (9.2)

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

BIDDER'S NAME	TOTAL AMOUNT BID
1) DIMAS BROS. CONSTRUCTION	\$3,494,821.20
2) CROSTEX CONSTRUCTION INC.	\$3,675,000.00
3) D. L. ELLIOTT ENTERPRISES, INC.	\$3,717,437.60
4) CE BARKER, LTD	\$3,728,771.63
5) R CONSTRUCTION CIVIL	\$3,775,385.60
6) BLAZEY CONSTRUCTION SERVICES LLC	\$3,785,758.22
7) PRINCIPAL SERVICES, LTD	\$3,849,836.10
8) TRIPLE B SERVICES, LLP	\$4,615,054.64

CALENDAR DAYS - 90/105

10-26-2021



A handwritten signature in blue ink, appearing to read "John Pickens, Jr.", written over a horizontal line.

I, John Pickens, 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) CROSTEX CONSTRUCTION INC.		3) D. L. ELLIOTT ENTERPRISES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>PECAN ESTATES SECTION 2 WATERLINE ITEMS</b>									
1	6" PVC WATER LINE, AWWA C-900, DR 14, CLASS 305, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	413	\$26.20	\$10,820.60	\$30.00	\$12,390.00	\$26.00	\$10,738.00
2	8" PVC WATER LINE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1740	\$31.60	\$54,984.00	\$37.00	\$64,380.00	\$37.00	\$64,380.00
3	8" GATE VALVE & BOX, ADJUSTMENTS AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$1,450.00	\$8,700.00	\$1,500.00	\$9,000.00	\$1,500.00	\$9,000.00
4	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLA	LF	722	\$39.00	\$28,158.00	\$39.50	\$28,519.00	\$58.00	\$41,876.00
5	8" PLUG AND CLAMP WITH 2" BLOW-OFF VALVE, COMPLETE IN PLACE	EA	1	\$1,400.00	\$1,400.00	\$1,050.00	\$1,050.00	\$2,200.00	\$2,200.00
6	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES ADJUSTMENTS AS NECESSARY, APPROPRIATE TEE, 6" GATE VALVE & BOX, TRENCH SAFETY, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	6	\$4,100.00	\$24,600.00	\$5,200.00	\$31,200.00	\$620.00	\$3,720.00
7	REMOVE AND DISPOSE OF EXISTING PLUG AND CLAMP AND CONNECT PROPOSED WATER LINE, INCLUDES ALL NECESSARY ADAPTORS AND CONNECTORS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$384.00	\$384.00	\$1,299.65	\$1,299.65	\$230.00	\$230.00
8	TRENCH SAFETY SYSTEM FOR WATER LINE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2875	\$1.00	\$2,875.00	\$0.05	\$143.75	\$1.00	\$2,875.00
<b>PECAN ESTATES SECTION 2 WATERLINE ITEMS SUBTOTAL:</b>					<b>\$131,921.60</b>		<b>\$147,982.40</b>		<b>\$135,019.00</b>
<b>PECAN ESTATES SECTION 2 SANITARY SEWER SYSTEM ITEMS</b>									
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8' - 12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	949	\$42.50	\$40,332.50	\$37.25	\$35,350.25	\$45.00	\$42,705.00
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12' - 16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	475	\$42.65	\$20,258.75	\$41.00	\$19,475.00	\$49.00	\$23,275.00
3	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 16' - 20' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	867	\$59.15	\$51,283.05	\$45.50	\$39,448.50	\$56.00	\$48,552.00
4	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, STACKS, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	899	\$62.00	\$55,738.00	\$53.00	\$47,647.00	\$68.00	\$61,132.00
5	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, STACKS, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND NECESSARY FITTINGS, COMPLETE IN PLACE	EA	21	\$1,700.00	\$35,700.00	\$1,975.00	\$41,475.00	\$1,500.00	\$31,500.00
6	STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (8' DEPTHS), COMPLETE IN PLACE	EA	16	\$3,384.00	\$54,144.00	\$2,350.00	\$37,600.00	\$2,700.00	\$43,200.00
7	EXTRA VERTICAL DEPTH FOR 4' DIAMETER SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	165	\$100.00	\$16,500.00	\$235.00	\$38,775.00	\$150.00	\$24,750.00
8	CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00
9	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1500	\$20.00	\$30,000.00	\$20.00	\$30,000.00	\$20.00	\$30,000.00
10	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	3190	\$1.00	\$3,190.00	\$0.10	\$319.00	\$1.00	\$3,190.00

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ITEM	DESCRIPTION	UNIT	QTY	1) DIMAS BROS. CONSTRUCTION		2) CROSTEX CONSTRUCTION INC.		3) D. L. ELLIOTT ENTERPRISES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11	BEDDING AND BACKFILL FOR SANITARY SEWER WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00
<b>PECAN ESTATES SECTION 2 SANITARY SEWER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$315,646.30</b>		<b>\$300,589.75</b>		<b>\$317,304.00</b>
<b>PECAN ESTATES SECTION 2 STORM SEWER SYSTEM ITEMS</b>									
1	24" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1414	\$75.50	\$106,757.00	\$66.75	\$94,384.50	\$63.00	\$89,082.00
2	30" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	375	\$93.50	\$35,062.50	\$83.00	\$31,125.00	\$83.00	\$31,125.00
3	36" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	258	\$119.70	\$30,882.60	\$113.25	\$29,218.50	\$114.00	\$29,412.00
4	5' X 5' REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	529	\$370.00	\$195,730.00	\$390.00	\$206,310.00	\$370.00	\$195,730.00
5	STAGE I – STANDARD 5' REINFORCED CONCRETE PRECAST INLET ("H-2") ALL DEPTHS, COMPLETE IN PLACE	EA	19	\$865.00	\$16,435.00	\$2,200.00	\$41,800.00	\$1,300.00	\$24,700.00
6	STAGE II – STANDARD 5' REINFORCED PRECAST OR REINFORCED CONCRETE CAST-IN-PLACE (4,000 PSI) INLET ("H-2"), COMPLETE IN PLACE	EA	19	\$1,465.00	\$27,835.00	\$500.00	\$9,500.00	\$1,850.00	\$35,150.00
7	STAGE I – STANDARD PRECAST INLET TYPE "C-1", ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,315.00	\$2,630.00	\$3,000.00	\$6,000.00	\$2,100.00	\$4,200.00
8	STAGE II – STANDARD PRECAST INLET TYPE "C-1", COMPLETE IN PLACE	EA	2	\$2,500.00	\$5,000.00	\$500.00	\$1,000.00	\$2,200.00	\$4,400.00
9	TYPE "C" PRECAST OR CAST-IN-PLACE MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	15	\$3,184.00	\$47,760.00	\$2,500.00	\$37,500.00	\$3,300.00	\$49,500.00
10	JUNCTION BOX WITH MANHOLE TOP FOR BOX CULVERT STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$8,330.00	\$33,320.00	\$9,850.00	\$39,400.00	\$11,000.00	\$44,000.00
11	CUT EXISTING 5' X 5' RCB STORM SEWER PERPENDICULAR AND CONNECT PROPOSED 5' X 5' RCB STORM SEWER WITH REINFORCED CONCRETE COLLAR, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$4,500.00	\$4,500.00	\$2,900.00	\$2,900.00
12	30" RCP STORM SEWER OUTFALL STRUCTURE, INCLUDING APPROX. 100 SY OF RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	LS	1	\$10,500.00	\$10,500.00	\$32,500.00	\$32,500.00	\$9,000.00	\$9,000.00
13	5' X 5' RCB STORM SEWER OUTFALL STRUCTURE, INCLUDING APPROX. 170 SY OF RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	LS	1	\$15,000.00	\$15,000.00	\$40,000.00	\$40,000.00	\$15,300.00	\$15,300.00
14	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1200	\$20.00	\$24,000.00	\$20.00	\$24,000.00	\$20.00	\$24,000.00
15	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2576	\$1.00	\$2,576.00	\$0.05	\$128.80	\$1.00	\$2,576.00
16	BEDDING AND BACKFILL FOR STORM SEWER WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00
<b>PECAN ESTATES SECTION 2 STORM SEWER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$562,988.10</b>		<b>\$604,866.80</b>		<b>\$568,575.00</b>

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ITEM	DESCRIPTION	UNIT	QTY	1) DIMAS BROS. CONSTRUCTION		2) CROSTEX CONSTRUCTION INC.		3) D. L. ELLIOTT ENTERPRISES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>PECAN ESTATES SECTION 2 SWPPP ITEMS</b>									
1	SILT FENCE INLET PROTECTION BARRIERS, SWMHCA SPECIFICATION NO. 4511, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	21	\$10.00	\$210.00	\$100.00	\$2,100.00	\$47.00	\$987.00
2	INSTALLATION AND REMOVAL OF REINFORCED FILTER FABRIC FENCE SWMHCA SPECIFICATIONS NO. 4311, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	3144	\$1.00	\$3,144.00	\$0.50	\$1,572.00	\$2.00	\$6,288.00
3	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$800.00	\$800.00	\$4,000.00	\$4,000.00	\$2,400.00	\$2,400.00
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$250.00	\$250.00	\$4,000.00	\$4,000.00	\$1,200.00	\$1,200.00
5	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS, COMPLETE IN PLACE	LS	1	\$800.00	\$800.00	\$4,000.00	\$4,000.00	\$2,100.00	\$2,100.00
6	HYDRO-MULCH SEEDING FOR PROPOSED DITCH SIDE SLOPE, COMPLETE IN PLACE	AC	5	\$1,300.00	\$6,500.00	\$2,000.00	\$10,000.00	\$1,900.00	\$9,500.00
<b>PECAN ESTATES SECTION 2 SWPPP ITEMS SUBTOTAL:</b>					<b>\$11,704.00</b>		<b>\$25,672.00</b>		<b>\$22,475.00</b>
<b>SECTION 2 GENERAL ITEMS</b>									
1	METHOD "A" CONSTRUCTOIN STAKING TO BE DONE BY LJA SURVEYING, CONTACT SCOTT LOWE AT 713.953.5111, COMPLETE IN PLACE	LS	1	\$7,700.00	\$7,700.00	\$9,500.00	\$9,500.00	\$7,700.00	\$7,700.00
2	REMOVE AND DISPOSE OF EXISTING IRRIGATION LINE WITH 4" CONNECTIONS, INCLUDES DISPOSAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATOIN TO DUMP, (TO BE FIELD VERIFIED BY ENGINEER, CONTRACTOR AND PROPERTY OWNER PRIOR TO REMOVAL), COMPLETE IN PLACE	LF	250	\$10.00	\$2,500.00	\$20.00	\$5,000.00	\$12.00	\$3,000.00
3	CLEARING AND GRUBBING BY CHIPPING, INCLUDES REMOVING ALL TREE STUMPS, ROOT RAKING, CLEARING OF ALL DEBRIS, HAULING OF ALL INORGANIC AND ORGANIC MATERIAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DISPOSE, COMPLETE IN PLACE	AC	1	\$7,800.00	\$7,800.00	\$10,000.00	\$10,000.00	\$11,500.00	\$11,500.00
4	CEMENT STABILIZED SAND BACKFILL, (1.1 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF ENGINEER), COMPLETE IN PLACE	CY	250	\$15.00	\$3,750.00	\$25.00	\$6,250.00	\$30.00	\$7,500.00
5	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	2	\$150.00	\$300.00	\$150.00	\$300.00	\$150.00	\$300.00
6	UTILITY SPOILS TO BE USED AS FILL FOR EXISTING SWALES OR PLACED ON LOTS, INCLUDES PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, DEMUCKING AND SCARIFY OF FILL AREAS, COMPLETE IN PLACE	CY	4182	\$1.75	\$7,318.50	\$2.00	\$8,364.00	\$2.30	\$9,618.60
7	RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), FOR DRAINAGE DITCH, COMPLETE IN PLACE	SY	100	\$68.00	\$6,800.00	\$100.00	\$10,000.00	\$84.00	\$8,400.00
8	PUMP DOWN (WITH 4-INCH PUMP) STANDING WATER IN, AS NECESSARY TO CREATE A DRY WORKING ENVIRONMENT FOR THE INSTALLATION OF THE PROPOSED STORM SEWER IMPROVEMENTS, COMPLETE IN PLACE	HR	100	\$12.00	\$1,200.00	\$50.00	\$5,000.00	\$100.00	\$10,000.00
9	REMOVE AND DISPOSE OF EXISTING RIP RAP, INCLUDES DISPOSAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, COMPLETE IN PLACE	SY	170	\$10.00	\$1,700.00	\$60.00	\$10,200.00	\$24.00	\$4,080.00

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<b>SECTION 2 GENERAL ITEMS SUBTOTAL:</b>					<b>\$39,068.50</b>		<b>\$64,614.00</b>		<b>\$62,098.60</b>	
<b>PECAN ESTATES SECTION 3 WATERLINE ITEMS</b>										
1	6" PVC WATER LINE, AWWA C-900, DR 14, CLASS 305, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	896	\$27.80	\$24,908.80	\$28.00	\$25,088.00	\$28.00	\$25,088.00	
2	8" PVC WATER LINE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1860	\$33.50	\$62,310.00	\$35.25	\$65,565.00	\$37.00	\$68,820.00	
3	12" PVC WATER LINE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1337	\$59.05	\$78,949.85	\$68.75	\$91,918.75	\$68.00	\$90,916.00	
4	6" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	82	\$36.80	\$3,017.60	\$42.25	\$3,464.50	\$50.00	\$4,100.00	
5	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	2194	\$43.05	\$94,451.70	\$42.75	\$93,793.50	\$57.00	\$125,058.00	
6	12" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1247	\$74.30	\$92,652.10	\$81.50	\$101,630.50	\$90.00	\$112,230.00	
7	8" GATE VALVE & BOX, ADJUSTMENTS AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	17	\$1,468.00	\$24,956.00	\$1,630.00	\$27,710.00	\$1,500.00	\$25,500.00	
8	12" GATE VALVE & BOX, ADJUSTMENTS AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$2,775.00	\$24,975.00	\$3,100.00	\$27,900.00	\$2,800.00	\$25,200.00	
9	12" PLUG AND CLAMP W/ 2" BLOW-OFF VALVE, COMPLETE IN PLACE	EA	2	\$1,655.00	\$3,310.00	\$1,200.00	\$2,400.00	\$2,400.00	\$4,800.00	
10	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES ADJUSTMENTS AS NECESSARY, APPROPRIATE TEE, 6" GATE VALVE & BOX, TRENCH SAFETY, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	15	\$5,120.00	\$76,800.00	\$5,600.00	\$84,000.00	\$5,300.00	\$79,500.00	
11	REMOVE AND DISPOSE OF EXISTING PLUG AND CLAMP AND CONNECT PROPOSED WATER LINE, INCLUDES ALL NECESSARY ADAPTORS AND CONNECTORS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$484.00	\$2,420.00	\$1,250.00	\$6,250.00	\$230.00	\$1,150.00	
12	TRENCH SAFETY SYSTEM FOR WATER LINE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	7616	\$1.00	\$7,616.00	\$0.05	\$380.80	\$1.00	\$7,616.00	
<b>PECAN ESTATES SECTION 3 WATERLINE ITEMS SUBTOTAL:</b>					<b>\$496,367.05</b>		<b>\$530,101.05</b>		<b>\$569,978.00</b>	
<b>PECAN ESTATES SECTION 3 SANITARY SEWER SYSTEM ITEMS</b>										
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0' - 8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	131	\$43.25	\$5,665.75	\$37.25	\$4,879.75	\$44.00	\$5,764.00	
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8' - 12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1738	\$43.75	\$76,037.50	\$37.25	\$64,740.50	\$45.00	\$78,210.00	
3	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12' - 16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3530	\$45.35	\$160,085.50	\$41.00	\$144,730.00	\$49.00	\$172,970.00	
4	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, STACKS, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	1962	\$51.65	\$101,337.30	\$48.00	\$94,176.00	\$63.00	\$123,606.00	
5	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, STACKS, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND NECESSARY FITTINGS, COMPLETE IN PLACE	EA	55	\$1,518.00	\$83,490.00	\$1,965.00	\$108,075.00	\$1,650.00	\$90,750.00	

**BID TABULATION FOR:**

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

CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE PECAN ESTATES SECTION 2 AND PECAN ESTATES SECTION 3  
 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 OCTOBER 26, 2021  
 LJA ENGINEERING, INC.  
 D. FORREST  
 OCTOBER 26, 2021  
 2435-0210A & 2435-0310A (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) DIMAS BROS. CONSTRUCTION		2) CROSTEX CONSTRUCTION INC.		3) D. L. ELLIOTT ENTERPRISES, INC.		
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
6	STANDARD SANITARY SEWER MANHOLE FOR 6" – 24" SANITARY SEWER PIPES, (8' DEPTH), COMPLETE IN PLACE	EA	39	\$3,425.00	\$133,575.00	\$2,350.00	\$91,650.00	\$2,350.00	\$91,650.00	
7	EXTRA VERTICAL DEPTH FOR 4' DIAMETER SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	102	\$100.00	\$10,200.00	\$235.00	\$23,970.00	\$150.00	\$15,300.00	
8	CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$1,000.00	\$4,000.00	\$3,000.00	\$12,000.00	\$1,500.00	\$6,000.00	
9	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1500	\$20.00	\$30,000.00	\$20.00	\$30,000.00	\$20.00	\$30,000.00	
10	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	7361	\$1.00	\$7,361.00	\$0.10	\$736.10	\$2.00	\$14,722.00	
11	BEDDING AND BACKFILL FOR SANITARY SEWER WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00	
<b>PECAN ESTATES SECTION 3 SANITARY SEWER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$619,252.05</b>		<b>\$582,457.35</b>		<b>\$636,472.00</b>	
<b>PECAN ESTATES SECTION 3 STORM SEWER SYSTEM ITEMS</b>										
1	24" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	2704	\$75.25	\$203,476.00	\$66.75	\$180,492.00	\$63.00	\$170,352.00	
2	30" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1470	\$91.80	\$134,946.00	\$83.00	\$122,010.00	\$83.00	\$122,010.00	
3	36" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	150	\$120.00	\$18,000.00	\$113.25	\$16,987.50	\$114.00	\$17,100.00	
4	42" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	413	\$155.00	\$64,015.00	\$148.00	\$61,124.00	\$153.00	\$63,189.00	
5	54" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	437	\$245.30	\$107,196.10	\$247.00	\$107,939.00	\$250.00	\$109,250.00	
6	60" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	232	\$281.00	\$65,192.00	\$287.00	\$66,584.00	\$290.00	\$67,280.00	
7	5' X 5' REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	668	\$370.00	\$247,160.00	\$390.00	\$260,520.00	\$368.00	\$245,824.00	
8	STAGE I – STANDARD REINFORCED CONCRETE PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	36	\$865.00	\$31,140.00	\$2,200.00	\$79,200.00	\$1,700.00	\$61,200.00	
9	STAGE II – STANDARD 5' REINFORCED CONCRETE PRECAST OR REINFORCED CONCRETE CAST-IN-PLACE (4,000 PSI) INLET ("H-2"), COMPLETE IN PLACE	EA	36	\$1,465.00	\$52,740.00	\$500.00	\$18,000.00	\$1,870.00	\$67,320.00	
10	STAGE I – STANDARD PRECAST INLET TYPE "C-1", ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$1,315.00	\$7,890.00	\$3,000.00	\$18,000.00	\$1,300.00	\$7,800.00	
11	STAGE II – STANDARD PRECAST INLET TYPE "C-1", COMPLETE IN PLACE	EA	5	\$2,100.00	\$10,500.00	\$500.00	\$2,500.00	\$2,050.00	\$10,250.00	
12	TYPE "E" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00	\$3,500.00	\$7,000.00	\$2,600.00	\$5,200.00	
13	TYPE "C" PRECAST OR CAST-IN-PLACE MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	41	\$2,984.00	\$122,344.00	\$2,500.00	\$102,500.00	\$2,750.00	\$112,750.00	
14	TYPE "C" PRECAST OR CAST-IN-PLACE MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$6,384.00	\$31,920.00	\$6,500.00	\$32,500.00	\$8,000.00	\$40,000.00	

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CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE PECAN ESTATES SECTION 2 AND PECAN ESTATES SECTION 3  
 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 OCTOBER 26, 2021  
 LJA ENGINEERING, INC.  
 D. FORREST  
 OCTOBER 26, 2021  
 2435-0210A & 2435-0310A (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) DIMAS BROS. CONSTRUCTION		2) CROSTEX CONSTRUCTION INC.		3) D. L. ELLIOTT ENTERPRISES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
15	CAST-IN-PLACE OVERSIZED MANHOLE (M.H. D-29), COMPLETE IN PLACE	EA	1	\$7,000.00	\$7,000.00	\$17,500.00	\$17,500.00	\$14,500.00	\$14,500.00
16	JUNCTION BOX, WITH MANHOLE TOP FOR BOX CULVERT STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$11,684.00	\$46,736.00	\$9,750.00	\$39,000.00	\$9,600.00	\$38,400.00
17	R.C.B. CULVERT BEND OR COLLAR WITH TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$13,000.00	\$13,000.00	\$5,000.00	\$5,000.00
18	5' X 5' RCB STORM SEWER OUTFALL STRUCTURE, INCLUDING APPROX. 170 SY OF RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	LS	1	\$14,200.00	\$14,200.00	\$40,000.00	\$40,000.00	\$15,300.00	\$15,300.00
19	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1500	\$20.00	\$30,000.00	\$20.00	\$30,000.00	\$20.00	\$30,000.00
20	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	6073	\$1.00	\$6,073.00	\$0.05	\$303.65	\$1.00	\$6,073.00
21	DEMUCK AND FILL EXISTING DRAINAGE SWALE, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, COMPLETE IN PLACE	LF	1957	\$2.50	\$4,892.50	\$6.00	\$11,742.00	\$5.00	\$9,785.00
22	EXCAVATION AND GRADING OF TEMPORARY DRAINAGE DITCH, 3:1 MINIMUM SIDE SLOPES - 10' BOTTOM (ALL DEPTHS), DIRT TO BE PLACED ADJACENT TO DITCH AND COMPACTED TO A BERM, INCLUDES STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	4223	\$3.50	\$14,780.50	\$6.50	\$27,449.50	\$6.00	\$25,338.00
23	EXCAVATION AND GRADING OF DRAINAGE SWALE, 3:1 MINIMUM SIDE SLOPE - V-BOTTOM, (ALL DEPTHS), INCLUDES STRIPPING, STOCKPILING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	3076	\$2.50	\$7,690.00	\$10.00	\$30,760.00	\$7.00	\$21,532.00
24	BEDDING AND BACKFILL FOR STORM SEWER WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00
<b>PECAN ESTATES SECTION 3 STORM SEWER ITEMS SUBTOTAL:</b>					<b>\$1,241,391.10</b>		<b>\$1,292,611.65</b>		<b>\$1,272,953.00</b>
<b>PECAN ESTATES SECTION 3 SWPPP ITEMS</b>									
1	SILT FENCE INLET PROTECTION BARRIERS, SWMHCA SPECIFICATION NO. 4511, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	44	\$10.00	\$440.00	\$100.00	\$4,400.00	\$47.00	\$2,068.00
2	INSTALLATION AND REMOVAL OF REINFORCED FILTER FABRIC FENCE SWMHCA SPECIFICATIONS NO. 4311, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	7190	\$1.00	\$7,190.00	\$0.50	\$3,595.00	\$2.00	\$14,380.00
3	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$800.00	\$800.00	\$4,000.00	\$4,000.00	\$2,400.00	\$2,400.00
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$250.00	\$250.00	\$4,000.00	\$4,000.00	\$1,200.00	\$1,200.00
5	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS, COMPLETE IN PLACE	LS	1	\$800.00	\$800.00	\$4,000.00	\$4,000.00	\$2,100.00	\$2,100.00
6	HYDRO-MULCH SEEDING FOR PROPOSED DITCH SIDE SLOPE, COMPLETE IN PLACE	AC	5	\$1,300.00	\$6,500.00	\$2,000.00	\$10,000.00	\$1,900.00	\$9,500.00
<b>PECAN ESTATES SECTION 3 SWPPP ITEMS SUBTOTAL:</b>					<b>\$15,980.00</b>		<b>\$29,995.00</b>		<b>\$31,648.00</b>

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CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE PECAN ESTATES SECTION 2 AND PECAN ESTATES SECTION 3  
 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 OCTOBER 26, 2021  
 LJA ENGINEERING, INC.  
 D. FORREST  
 OCTOBER 26, 2021  
 2435-0210A & 2435-0310A (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) DIMAS BROS. CONSTRUCTION		2) CROSTEX CONSTRUCTION INC.		3) D. L. ELLIOTT ENTERPRISES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>SECTION 3 GENERAL ITEMS</b>									
1	METHOD "A" CONSTRUCTOIN STAKING TO BE DONE BY LJA SURVEYING, CONTACT SCOTT LOWE AT 713.953.5111, COMPLETE IN PLACE	LS	1	\$18,200.00	\$18,200.00	\$28,500.00	\$28,500.00	\$18,200.00	\$18,200.00
2	REMOVE AND DISPOSE OF EXISTING IRRIGATION LINE WITH 4" CONNECTIONS, INCLUDES DISPOSAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATOIN TO DUMP, (TO BE FIELD VERIFIED BY ENGINEER, CONTRACTOR AND PROPERTY OWNER PRIOR TO REMOVAL), COMPLETE IN PLACE	LF	250	\$10.00	\$2,500.00	\$20.00	\$5,000.00	\$14.00	\$3,500.00
3	CLEARING AND GRUBBING BY CHIPPING. INCLUDES REMOVING ALL TREE STUMPS, ROOT RAKING, CLEARING OF ALL DEBRIS, HAULING OF ALL INORGANIC AND ORGANIC MATERIAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DISPOSE, COMPLETE IN PLACE	AC	1	\$7,800.00	\$7,800.00	\$10,000.00	\$10,000.00	\$11,500.00	\$11,500.00
4	CEMENT STABILIZED SAND BACKFILL, (1.1 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF ENGINEER), COMPLETE IN PLACE	CY	250	\$15.00	\$3,750.00	\$25.00	\$6,250.00	\$30.00	\$7,500.00
5	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	2	\$150.00	\$300.00	\$150.00	\$300.00	\$150.00	\$300.00
6	UTILITY SPOILS TO BE USED AS FILL FOR EXISTING SWALES OR PLACED ON LOTS, INCLUDES PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, DEMUCKING AND SCARIFY OF FILL AREAS, COMPLETE IN PLACE	CY	10430	\$1.75	\$18,252.50	\$2.00	\$20,860.00	\$3.50	\$36,505.00
7	RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), FOR DRAINAGE DITCH, COMPLETE IN PLACE	SY	100	\$68.00	\$6,800.00	\$100.00	\$10,000.00	\$90.00	\$9,000.00
8	PUMP DOWN (WITH 4-INCH PUMP) STANDING WATER IN, AS NECESSARY TO CREATE A DRY WORKING ENVIRONMENT FOR THE INSTALLATION OF THE PROPOSED STORM SEWER IMPROVEMENTS, COMPLETE IN PLACE	HR	100	\$12.00	\$1,200.00	\$50.00	\$5,000.00	\$105.00	\$10,500.00
9	REMOVE AND DISPOSE OF EXISTING RIP RAP, INCLUDES DISPOSAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, COMPLETE IN PLACE	SY	170	\$10.00	\$1,700.00	\$60.00	\$10,200.00	\$23.00	\$3,910.00
<b>SECTION 3 GENERAL ITEMS SUBTOTAL:</b>					<b>\$60,502.50</b>		<b>\$96,110.00</b>		<b>\$100,915.00</b>
<b>BIDDING SUMMARY</b>									
SUBTOTAL PECAN ESTATES SECTION 2 WATERLINE ITEMS					\$131,921.60		\$147,982.40		\$135,019.00
SUBTOTAL PECAN ESTATES SECTION 2 SANITARY SEWER SYSTEM ITEMS					\$315,646.30		\$300,589.75		\$317,304.00
SUBTOTAL PECAN ESTATES SECTION 2 STORM SEWER SYSTEM ITEMS					\$562,988.10		\$604,866.80		\$568,575.00
SUBTOTAL PECAN ESTATES SECTION 2 SWPPP ITEMS					\$11,704.00		\$25,672.00		\$22,475.00
SUBTOTAL SECTION 2 GENERAL ITEMS					\$39,068.50		\$64,614.00		\$62,098.60
SUBTOTAL PECAN ESTATES SECTION 3 WATERLINE ITEMS					\$496,367.05		\$530,101.05		\$569,978.00
SUBTOTAL PECAN ESTATES SECTION 3 SANITARY SEWER SYSTEM ITEMS					\$619,252.05		\$582,457.35		\$636,472.00
SUBTOTAL PECAN ESTATES SECTION 3 STORM SEWER SYSTEM ITEMS					\$1,241,391.10		\$1,292,611.65		\$1,272,953.00
SUBTOTAL PECAN ESTATES SECTION 3 SWPPP ITEMS					\$15,980.00		\$29,995.00		\$31,648.00
SUBTOTAL SECTION 3 GENERAL ITEMS					\$60,502.50		\$96,110.00		\$100,915.00
<b>TOTAL AMOUNT BASE BID</b>					<b>\$3,494,821.20</b>		<b>\$3,675,000.00</b>		<b>\$3,717,437.60</b>



**BID TABULATION FOR:**

CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE PECAN ESTATES SECTION 2 AND PECAN ESTATES SECTION 3  
 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
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 LJA ENGINEERING, INC.  
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**BID OPENING DATE:**  
**BID OPENING LOCATION:**  
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**TABULATION DATE:**  
**LJA JOB NO.**

ITEM	DESCRIPTION	UNIT	QTY	4) CE BARKER, LTD		5) R CONSTRUCTION CIVIL		6) BLAZEY CONSTRUCTION SERVICES LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>PECAN ESTATES SECTION 2 WATERLINE ITEMS</b>									
1	6" PVC WATER LINE, AWWA C-900, DR 14, CLASS 305, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	413	\$30.54	\$12,613.02	\$34.00	\$14,042.00	\$32.50	\$13,422.50
2	8" PVC WATER LINE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1740	\$37.65	\$65,511.00	\$30.00	\$52,200.00	\$40.50	\$70,470.00
3	8" GATE VALVE & BOX, ADJUSTMENTS AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$1,680.86	\$10,085.16	\$1,700.00	\$10,200.00	\$1,595.14	\$9,570.84
4	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLA	LF	722	\$46.45	\$33,536.90	\$49.00	\$35,378.00	\$39.13	\$28,251.86
5	8" PLUG AND CLAMP WITH 2" BLOW-OFF VALVE, COMPLETE IN PLACE	EA	1	\$714.82	\$714.82	\$900.00	\$900.00	\$602.04	\$602.04
6	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES ADJUSTMENTS AS NECESSARY, APPROPRIATE TEE, 6" GATE VALVE & BOX, TRENCH SAFETY, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	6	\$5,368.09	\$32,208.54	\$5,600.00	\$33,600.00	\$4,689.71	\$28,138.26
7	REMOVE AND DISPOSE OF EXISTING PLUG AND CLAMP AND CONNECT PROPOSED WATER LINE, INCLUDES ALL NECESSARY ADAPTORS AND CONNECTORS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$941.30	\$941.30	\$320.00	\$320.00	\$406.31	\$406.31
8	TRENCH SAFETY SYSTEM FOR WATER LINE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2875	\$0.01	\$28.75	\$0.10	\$287.50	\$0.29	\$833.75
<b>PECAN ESTATES SECTION 2 WATERLINE ITEMS SUBTOTAL:</b>					<b>\$155,639.49</b>		<b>\$146,927.50</b>		<b>\$151,695.56</b>
<b>PECAN ESTATES SECTION 2 SANITARY SEWER SYSTEM ITEMS</b>									
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8' - 12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	949	\$50.01	\$47,459.49	\$43.00	\$40,807.00	\$49.61	\$47,079.89
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12' - 16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	475	\$55.76	\$26,486.00	\$45.00	\$21,375.00	\$53.17	\$25,255.75
3	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 16' - 20' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	867	\$69.17	\$59,970.39	\$75.00	\$65,025.00	\$79.64	\$69,047.88
4	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, STACKS, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	899	\$70.10	\$63,019.90	\$58.00	\$52,142.00	\$103.81	\$93,325.19
5	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, STACKS, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND NECESSARY FITTINGS, COMPLETE IN PLACE	EA	21	\$1,962.42	\$41,210.82	\$2,240.00	\$47,040.00	\$2,038.91	\$42,817.11
6	STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (8' DEPTHS), COMPLETE IN PLACE	EA	16	\$2,520.22	\$40,323.52	\$2,800.00	\$44,800.00	\$2,833.90	\$45,342.40
7	EXTRA VERTICAL DEPTH FOR 4' DIAMETER SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	165	\$175.50	\$28,957.50	\$125.00	\$20,625.00	\$152.05	\$25,088.25
8	CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,167.25	\$1,167.25	\$1,000.00	\$1,000.00	\$1,988.29	\$1,988.29
9	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1500	\$20.00	\$30,000.00	\$25.00	\$37,500.00	\$20.00	\$30,000.00
10	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	3190	\$0.01	\$31.90	\$0.10	\$319.00	\$0.29	\$925.10

**BID TABULATION FOR:**

CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE PECAN ESTATES SECTION 2 AND PECAN ESTATES SECTION 3  
 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 OCTOBER 26, 2021  
 LJA ENGINEERING, INC.  
 D. FORREST  
 OCTOBER 26, 2021  
 2435-0210A & 2435-0310A (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) CE BARKER, LTD		5) R CONSTRUCTION CIVIL		6) BLAZEY CONSTRUCTION SERVICES LLC		
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
11	BEDDING AND BACKFILL FOR SANITARY SEWER WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00	
<b>PECAN ESTATES SECTION 2 SANITARY SEWER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$346,126.77</b>		<b>\$338,133.00</b>		<b>\$388,369.86</b>	
<b>PECAN ESTATES SECTION 2 STORM SEWER SYSTEM ITEMS</b>										
1	24" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1414	\$77.58	\$109,698.12	\$70.00	\$98,980.00	\$66.02	\$93,352.28	
2	30" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	375	\$95.49	\$35,808.75	\$88.00	\$33,000.00	\$81.79	\$30,671.25	
3	36" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	258	\$129.49	\$33,408.42	\$119.00	\$30,702.00	\$112.43	\$29,006.94	
4	5' X 5' REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	529	\$396.79	\$209,901.91	\$378.00	\$199,962.00	\$385.20	\$203,770.80	
5	STAGE I – STANDARD 5' REINFORCED CONCRETE PRECAST INLET ("H-2") ALL DEPTHS, COMPLETE IN PLACE	EA	19	\$1,153.62	\$21,918.78	\$1,100.00	\$20,900.00	\$1,573.09	\$29,888.71	
6	STAGE II – STANDARD 5' REINFORCED PRECAST OR REINFORCED CONCRETE CAST-IN-PLACE (4,000 PSI) INLET ("H-2"), COMPLETE IN PLACE	EA	19	\$987.97	\$18,771.43	\$2,100.00	\$39,900.00	\$520.47	\$9,888.93	
7	STAGE I – STANDARD PRECAST INLET TYPE "C-1", ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,508.58	\$3,017.16	\$1,600.00	\$3,200.00	\$1,748.53	\$3,497.06	
8	STAGE II – STANDARD PRECAST INLET TYPE "C-1", COMPLETE IN PLACE	EA	2	\$1,342.93	\$2,685.86	\$2,600.00	\$5,200.00	\$520.47	\$1,040.94	
9	TYPE "C" PRECAST OR CAST-IN-PLACE MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	15	\$2,401.90	\$36,028.50	\$2,900.00	\$43,500.00	\$3,222.21	\$48,333.15	
10	JUNCTION BOX WITH MANHOLE TOP FOR BOX CULVERT STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$11,184.79	\$44,739.16	\$12,500.00	\$50,000.00	\$10,669.53	\$42,678.12	
11	CUT EXISTING 5' X 5' RCB STORM SEWER PERPENDICULAR AND CONNECT PROPOSED 5' X 5' RCB STORM SEWER WITH REINFORCED CONCRETE COLLAR, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$3,667.92	\$3,667.92	\$1,700.00	\$1,700.00	\$2,295.31	\$2,295.31	
12	30" RCP STORM SEWER OUTFALL STRUCTURE, INCLUDING APPROX. 100 SY OF RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	LS	1	\$15,204.12	\$15,204.12	\$10,000.00	\$10,000.00	\$1,520.46	\$1,520.46	
13	5' X 5' RCB STORM SEWER OUTFALL STRUCTURE, INCLUDING APPROX. 170 SY OF RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	LS	1	\$21,652.56	\$21,652.56	\$18,000.00	\$18,000.00	\$1,959.05	\$1,959.05	
14	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1200	\$20.00	\$24,000.00	\$22.00	\$26,400.00	\$20.00	\$24,000.00	
15	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2576	\$0.01	\$25.76	\$0.10	\$257.60	\$0.29	\$747.04	
16	BEDDING AND BACKFILL FOR STORM SEWER WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00	
<b>PECAN ESTATES SECTION 2 STORM SEWER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$588,028.45</b>		<b>\$589,201.60</b>		<b>\$530,150.04</b>	

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CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE PECAN ESTATES SECTION 2 AND PECAN ESTATES SECTION 3  
 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 OCTOBER 26, 2021  
 LJA ENGINEERING, INC.  
 D. FORREST  
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 2435-0210A & 2435-0310A (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) CE BARKER, LTD		5) R CONSTRUCTION CIVIL		6) BLAZEY CONSTRUCTION SERVICES LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>PECAN ESTATES SECTION 2 SWPPP ITEMS</b>									
1	SILT FENCE INLET PROTECTION BARRIERS, SWMHCA SPECIFICATION NO. 4511, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	21	\$67.44	\$1,416.24	\$75.00	\$1,575.00	\$116.96	\$2,456.16
2	INSTALLATION AND REMOVAL OF REINFORCED FILTER FABRIC FENCE SWMHCA SPECIFICATIONS NO. 4311, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	3144	\$1.25	\$3,930.00	\$1.20	\$3,772.80	\$1.58	\$4,967.52
3	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$3,147.31	\$3,147.31	\$2,000.00	\$2,000.00	\$2,105.25	\$2,105.25
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$1,183.20	\$1,183.20	\$500.00	\$500.00	\$1,111.11	\$1,111.11
5	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS, COMPLETE IN PLACE	LS	1	\$591.60	\$591.60	\$1,200.00	\$1,200.00	\$1,549.70	\$1,549.70
6	HYDRO-MULCH SEEDING FOR PROPOSED DITCH SIDE SLOPE, COMPLETE IN PLACE	AC	5	\$1,715.64	\$8,578.20	\$2,000.00	\$10,000.00	\$2,105.25	\$10,526.25
<b>PECAN ESTATES SECTION 2 SWPPP ITEMS SUBTOTAL:</b>					<b>\$18,846.55</b>		<b>\$19,047.80</b>		<b>\$22,715.99</b>
<b>SECTION 2 GENERAL ITEMS</b>									
1	METHOD "A" CONSTRUCTOIN STAKING TO BE DONE BY LJA SURVEYING, CONTACT SCOTT LOWE AT 713.953.5111, COMPLETE IN PLACE	LS	1	\$17,700.00	\$17,700.00	\$7,700.00	\$7,700.00	\$7,700.00	\$7,700.00
2	REMOVE AND DISPOSE OF EXISTING IRRIGATION LINE WITH 4" CONNECTIONS, INCLUDES DISPOSAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATOIN TO DUMP, (TO BE FIELD VERIFIED BY ENGINEER, CONTRACTOR AND PROPERTY OWNER PRIOR TO REMOVAL), COMPLETE IN PLACE	LF	250	\$5.03	\$1,257.50	\$25.00	\$6,250.00	\$14.13	\$3,532.50
3	CLEARING AND GRUBBING BY CHIPPING, INCLUDES REMOVING ALL TREE STUMPS, ROOT RAKING, CLEARING OF ALL DEBRIS, HAULING OF ALL INORGANIC AND ORGANIC MATERIAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DISPOSE, COMPLETE IN PLACE	AC	1	\$0.01	\$0.01	\$15,000.00	\$15,000.00	\$11,695.85	\$11,695.85
4	CEMENT STABILIZED SAND BACKFILL, (1.1 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF ENGINEER), COMPLETE IN PLACE	CY	250	\$15.00	\$3,750.00	\$15.00	\$3,750.00	\$15.00	\$3,750.00
5	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	2	\$150.00	\$300.00	\$150.00	\$300.00	\$150.00	\$300.00
6	UTILITY SPOILS TO BE USED AS FILL FOR EXISTING SWALES OR PLACED ON LOTS, INCLUDES PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, DEMUCKING AND SCARIFY OF FILL AREAS, COMPLETE IN PLACE	CY	4182	\$2.37	\$9,911.34	\$4.00	\$16,728.00	\$3.35	\$14,009.70
7	RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), FOR DRAINAGE DITCH, COMPLETE IN PLACE	SY	100	\$97.02	\$9,702.00	\$95.00	\$9,500.00	\$105.26	\$10,526.00
8	PUMP DOWN (WITH 4-INCH PUMP) STANDING WATER IN, AS NECESSARY TO CREATE A DRY WORKING ENVIRONMENT FOR THE INSTALLATION OF THE PROPOSED STORM SEWER IMPROVEMENTS, COMPLETE IN PLACE	HR	100	\$40.00	\$4,000.00	\$25.00	\$2,500.00	\$30.00	\$3,000.00
9	REMOVE AND DISPOSE OF EXISTING RIP RAP, INCLUDES DISPOSAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, COMPLETE IN PLACE	SY	170	\$0.01	\$1.70	\$28.00	\$4,760.00	\$35.00	\$5,950.00

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 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
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ITEM	DESCRIPTION	UNIT	QTY	4) CE BARKER, LTD		5) R CONSTRUCTION CIVIL		6) BLAZEY CONSTRUCTION SERVICES LLC		
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>SECTION 2 GENERAL ITEMS SUBTOTAL:</b>					<b>\$46,622.55</b>		<b>\$66,488.00</b>		<b>\$60,464.05</b>	
<b>PECAN ESTATES SECTION 3 WATERLINE ITEMS</b>										
1	6" PVC WATER LINE, AWWA C-900, DR 14, CLASS 305, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	896	\$32.09	\$28,752.64	\$31.00	\$27,776.00	\$32.23	\$28,878.08	
2	8" PVC WATER LINE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1860	\$35.39	\$65,825.40	\$39.00	\$72,540.00	\$37.01	\$68,838.60	
3	12" PVC WATER LINE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1337	\$66.10	\$88,375.70	\$67.00	\$89,579.00	\$67.74	\$90,568.38	
4	6" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	82	\$48.63	\$3,987.66	\$54.00	\$4,428.00	\$40.55	\$3,325.10	
5	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	2194	\$51.90	\$113,868.60	\$50.00	\$109,700.00	\$43.53	\$95,504.82	
6	12" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1247	\$95.33	\$118,876.51	\$86.00	\$107,242.00	\$79.80	\$99,510.60	
7	8" GATE VALVE & BOX, ADJUSTMENTS AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	17	\$1,657.15	\$28,171.55	\$1,800.00	\$30,600.00	\$1,571.71	\$26,719.07	
8	12" GATE VALVE & BOX, ADJUSTMENTS AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$3,151.87	\$28,366.83	\$3,200.00	\$28,800.00	\$2,829.06	\$25,461.54	
9	12" PLUG AND CLAMP W/ 2" BLOW-OFF VALVE, COMPLETE IN PLACE	EA	2	\$1,533.22	\$3,066.44	\$1,000.00	\$2,000.00	\$1,301.14	\$2,602.28	
10	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES ADJUSTMENTS AS NECESSARY, APPROPRIATE TEE, 6" GATE VALVE & BOX, TRENCH SAFETY, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	15	\$5,110.52	\$76,657.80	\$6,000.00	\$90,000.00	\$4,449.44	\$66,741.60	
11	REMOVE AND DISPOSE OF EXISTING PLUG AND CLAMP AND CONNECT PROPOSED WATER LINE, INCLUDES ALL NECESSARY ADAPTORS AND CONNECTORS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$1,049.58	\$5,247.90	\$200.00	\$1,000.00	\$617.81	\$3,089.05	
12	TRENCH SAFETY SYSTEM FOR WATER LINE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	7616	\$0.01	\$76.16	\$0.10	\$761.60	\$0.29	\$2,208.64	
<b>PECAN ESTATES SECTION 3 WATERLINE ITEMS SUBTOTAL:</b>					<b>\$561,273.19</b>		<b>\$564,426.60</b>		<b>\$513,447.76</b>	
<b>PECAN ESTATES SECTION 3 SANITARY SEWER SYSTEM ITEMS</b>										
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0' - 8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	131	\$41.09	\$5,382.79	\$44.00	\$5,764.00	\$39.56	\$5,182.36	
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8' - 12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1738	\$42.87	\$74,508.06	\$43.00	\$74,734.00	\$44.29	\$76,976.02	
3	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12' - 16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3530	\$48.61	\$171,593.30	\$43.00	\$151,790.00	\$70.75	\$249,747.50	
4	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, STACKS, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	1962	\$64.17	\$125,901.54	\$54.00	\$105,948.00	\$56.79	\$111,421.98	
5	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, STACKS, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND NECESSARY FITTINGS, COMPLETE IN PLACE	EA	55	\$1,872.09	\$102,964.95	\$2,100.00	\$115,500.00	\$1,930.84	\$106,196.20	

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ITEM	DESCRIPTION	UNIT	QTY	4) CE BARKER, LTD		5) R CONSTRUCTION CIVIL		6) BLAZEY CONSTRUCTION SERVICES LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6	STANDARD SANITARY SEWER MANHOLE FOR 6" – 24" SANITARY SEWER PIPES, (8' DEPTH), COMPLETE IN PLACE	EA	39	\$2,347.30	\$91,544.70	\$2,800.00	\$109,200.00	\$2,701.74	\$105,367.86
7	EXTRA VERTICAL DEPTH FOR 4' DIAMETER SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	102	\$175.50	\$17,901.00	\$125.00	\$12,750.00	\$152.05	\$15,509.10
8	CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$1,167.25	\$4,669.00	\$1,000.00	\$4,000.00	\$1,988.29	\$7,953.16
9	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1500	\$20.00	\$30,000.00	\$25.00	\$37,500.00	\$20.00	\$30,000.00
10	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	7361	\$0.01	\$73.61	\$0.10	\$736.10	\$0.29	\$2,134.69
11	BEDDING AND BACKFILL FOR SANITARY SEWER WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00
<b>PECAN ESTATES SECTION 3 SANITARY SEWER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$632,038.95</b>		<b>\$625,422.10</b>		<b>\$717,988.87</b>
<b>PECAN ESTATES SECTION 3 STORM SEWER SYSTEM ITEMS</b>									
1	24" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	2704	\$77.03	\$208,289.12	\$71.00	\$191,984.00	\$66.02	\$178,518.08
2	30" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1470	\$94.94	\$139,561.80	\$88.00	\$129,360.00	\$81.79	\$120,231.30
3	36" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	150	\$128.94	\$19,341.00	\$119.00	\$17,850.00	\$112.43	\$16,864.50
4	42" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	413	\$165.42	\$68,318.46	\$154.00	\$63,602.00	\$154.47	\$63,796.11
5	54" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	437	\$269.58	\$117,806.46	\$258.00	\$112,746.00	\$254.54	\$111,233.98
6	60" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	232	\$313.71	\$72,780.72	\$315.00	\$73,080.00	\$295.03	\$68,446.96
7	5' X 5' REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	668	\$396.23	\$264,681.64	\$374.00	\$249,832.00	\$394.92	\$263,806.56
8	STAGE I – STANDARD REINFORCED CONCRETE PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	36	\$1,153.62	\$41,530.32	\$1,500.00	\$54,000.00	\$1,573.09	\$56,631.24
9	STAGE II – STANDARD 5' REINFORCED CONCRETE PRECAST OR REINFORCED CONCRETE CAST-IN-PLACE (4,000 PSI) INLET ("H-2"), COMPLETE IN PLACE	EA	36	\$987.97	\$35,566.92	\$2,100.00	\$75,600.00	\$1,456.13	\$52,420.68
10	STAGE I – STANDARD PRECAST INLET TYPE "C-1", ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$1,508.58	\$9,051.48	\$1,200.00	\$7,200.00	\$1,736.83	\$10,420.98
11	STAGE II – STANDARD PRECAST INLET TYPE "C-1", COMPLETE IN PLACE	EA	5	\$1,342.93	\$6,714.65	\$2,900.00	\$14,500.00	\$1,807.01	\$9,035.05
12	TYPE "E" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$2,804.18	\$5,608.36	\$2,600.00	\$5,200.00	\$4,412.26	\$8,824.52
13	TYPE "C" PRECAST OR CAST-IN-PLACE MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	41	\$2,348.21	\$96,276.61	\$2,900.00	\$118,900.00	\$3,777.76	\$154,888.16
14	TYPE "C" PRECAST OR CAST-IN-PLACE MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$3,632.42	\$18,162.10	\$7,000.00	\$35,000.00	\$9,400.54	\$47,002.70

**BID TABULATION FOR:**

CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE PECAN ESTATES SECTION 2 AND PECAN ESTATES SECTION 3  
 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 OCTOBER 26, 2021  
 LJA ENGINEERING, INC.  
 D. FORREST  
 OCTOBER 26, 2021  
 2435-0210A & 2435-0310A (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) CE BARKER, LTD		5) R CONSTRUCTION CIVIL		6) BLAZEY CONSTRUCTION SERVICES LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
15	CAST-IN-PLACE OVERSIZED MANHOLE (M.H. D-29), COMPLETE IN PLACE	EA	1	\$11,184.79	\$11,184.79	\$9,300.00	\$9,300.00	\$9,075.98	\$9,075.98
16	JUNCTION BOX, WITH MANHOLE TOP FOR BOX CULVERT STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$11,184.79	\$44,739.16	\$11,500.00	\$46,000.00	\$9,874.22	\$39,496.88
17	R.C.B. CULVERT BEND OR COLLAR WITH TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	1	\$3,632.42	\$3,632.42	\$2,200.00	\$2,200.00	\$11,340.88	\$11,340.88
18	5' X 5' RCB STORM SEWER OUTFALL STRUCTURE, INCLUDING APPROX. 170 SY OF RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	LS	1	\$21,652.56	\$21,652.56	\$18,000.00	\$18,000.00	\$2,397.65	\$2,397.65
19	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1500	\$20.00	\$30,000.00	\$22.00	\$33,000.00	\$20.00	\$30,000.00
20	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	6073	\$0.01	\$60.73	\$0.10	\$607.30	\$0.29	\$1,761.17
21	DEMUCK AND FILL EXISTING DRAINAGE SWALE, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, COMPLETE IN PLACE	LF	1957	\$5.13	\$10,039.41	\$3.00	\$5,871.00	\$2.84	\$5,557.88
22	EXCAVATION AND GRADING OF TEMPORARY DRAINAGE DITCH, 3:1 MINIMUM SIDE SLOPES - 10' BOTTOM (ALL DEPTHS), DIRT TO BE PLACED ADJACENT TO DITCH AND COMPACTED TO A BERM, INCLUDES STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	4223	\$7.15	\$30,194.45	\$4.50	\$19,003.50	\$2.84	\$11,993.32
23	EXCAVATION AND GRADING OF DRAINAGE SWALE, 3:1 MINIMUM SIDE SLOPE - V-BOTTOM, (ALL DEPTHS), INCLUDES STRIPPING, STOCKPILING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	3076	\$6.54	\$20,117.04	\$2.70	\$8,305.20	\$3.78	\$11,627.28
24	BEDDING AND BACKFILL FOR STORM SEWER WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00
<b>PECAN ESTATES SECTION 3 STORM SEWER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$1,282,810.20</b>		<b>\$1,298,641.00</b>		<b>\$1,292,871.86</b>
<b>PECAN ESTATES SECTION 3 SWPPP ITEMS</b>									
1	SILT FENCE INLET PROTECTION BARRIERS, SWMHCA SPECIFICATION NO. 4511, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	44	\$67.44	\$2,967.36	\$75.00	\$3,300.00	\$116.96	\$5,146.24
2	INSTALLATION AND REMOVAL OF REINFORCED FILTER FABRIC FENCE SWMHCA SPECIFICATIONS NO. 4311, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	7190	\$1.25	\$8,987.50	\$1.20	\$8,628.00	\$1.58	\$11,360.20
3	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$3,147.31	\$3,147.31	\$2,000.00	\$2,000.00	\$1,754.38	\$1,754.38
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$1,183.20	\$1,183.20	\$500.00	\$500.00	\$1,111.11	\$1,111.11
5	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS, COMPLETE IN PLACE	LS	1	\$591.60	\$591.60	\$1,200.00	\$1,200.00	\$1,549.70	\$1,549.70
6	HYDRO-MULCH SEEDING FOR PROPOSED DITCH SIDE SLOPE, COMPLETE IN PLACE	AC	5	\$1,715.64	\$8,578.20	\$2,000.00	\$10,000.00	\$2,105.25	\$10,526.25
<b>PECAN ESTATES SECTION 3 SWPPP ITEMS SUBTOTAL:</b>					<b>\$25,455.17</b>		<b>\$25,628.00</b>		<b>\$31,447.88</b>

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CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE PECAN ESTATES SECTION 2 AND PECAN ESTATES SECTION 3  
 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
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ITEM	DESCRIPTION	UNIT	QTY	4) CE BARKER, LTD		5) R CONSTRUCTION CIVIL		6) BLAZEY CONSTRUCTION SERVICES LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>SECTION 3 GENERAL ITEMS</b>									
1	METHOD "A" CONSTRUCTOIN STAKING TO BE DONE BY LJA SURVEYING, CONTACT SCOTT LOWE AT 713.953.5111, COMPLETE IN PLACE	LS	1	\$28,200.00	\$28,200.00	\$18,200.00	\$18,200.00	\$18,200.00	\$18,200.00
2	REMOVE AND DISPOSE OF EXISTING IRRIGATION LINE WITH 4" CONNECTIONS, INCLUDES DISPOSAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATOIN TO DUMP, (TO BE FIELD VERIFIED BY ENGINEER, CONTRACTOR AND PROPERTY OWNER PRIOR TO REMOVAL), COMPLETE IN PLACE	LF	250	\$5.03	\$1,257.50	\$25.00	\$6,250.00	\$14.13	\$3,532.50
3	CLEARING AND GRUBBING BY CHIPPING. INCLUDES REMOVING ALL TREE STUMPS, ROOT RAKING, CLEARING OF ALL DEBRIS, HAULING OF ALL INORGANIC AND ORGANIC MATERIAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DISPOSE, COMPLETE IN PLACE	AC	1	\$0.01	\$0.01	\$15,000.00	\$15,000.00	\$11,695.85	\$11,695.85
4	CEMENT STABILIZED SAND BACKFILL, (1.1 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF ENGINEER), COMPLETE IN PLACE	CY	250	\$15.00	\$3,750.00	\$15.00	\$3,750.00	\$15.00	\$3,750.00
5	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	2	\$150.00	\$300.00	\$150.00	\$300.00	\$150.00	\$300.00
6	UTILITY SPOILS TO BE USED AS FILL FOR EXISTING SWALES OR PLACED ON LOTS, INCLUDES PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, DEMUCKING AND SCARIFY OF FILL AREAS, COMPLETE IN PLACE	CY	10430	\$2.37	\$24,719.10	\$4.00	\$41,720.00	\$1.89	\$19,712.70
7	RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), FOR DRAINAGE DITCH, COMPLETE IN PLACE	SY	100	\$97.02	\$9,702.00	\$95.00	\$9,500.00	\$105.26	\$10,526.00
8	PUMP DOWN (WITH 4-INCH PUMP) STANDING WATER IN, AS NECESSARY TO CREATE A DRY WORKING ENVIRONMENT FOR THE INSTALLATION OF THE PROPOSED STORM SEWER IMPROVEMENTS, COMPLETE IN PLACE	HR	100	\$40.00	\$4,000.00	\$25.00	\$2,500.00	\$29.24	\$2,924.00
9	REMOVE AND DISPOSE OF EXISTING RIP RAP, INCLUDES DISPOSAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, COMPLETE IN PLACE	SY	170	\$0.01	\$1.70	\$25.00	\$4,250.00	\$35.09	\$5,965.30
<b>SECTION 3 GENERAL ITEMS SUBTOTAL:</b>					<b>\$71,930.31</b>		<b>\$101,470.00</b>		<b>\$76,606.35</b>
<b>BIDDING SUMMARY</b>									
SUBTOTAL PECAN ESTATES SECTION 2 WATERLINE ITEMS					\$155,639.49		\$146,927.50		\$151,695.56
SUBTOTAL PECAN ESTATES SECTION 2 SANITARY SEWER SYSTEM ITEMS					\$346,126.77		\$338,133.00		\$388,369.86
SUBTOTAL PECAN ESTATES SECTION 2 STORM SEWER SYSTEM ITEMS					\$588,028.45		\$589,201.60		\$530,150.04
SUBTOTAL PECAN ESTATES SECTION 2 SWPPP ITEMS					\$18,846.55		\$19,047.80		\$22,715.99
SUBTOTAL SECTION 2 GENERAL ITEMS					\$46,622.55		\$66,488.00		\$60,464.05
SUBTOTAL PECAN ESTATES SECTION 3 WATERLINE ITEMS					\$561,273.19		\$564,426.60		\$513,447.76
SUBTOTAL PECAN ESTATES SECTION 3 SANITARY SEWER SYSTEM ITEMS					\$632,038.95		\$625,422.10		\$717,988.87
SUBTOTAL PECAN ESTATES SECTION 3 STORM SEWER SYSTEM ITEMS					\$1,282,810.20		\$1,298,641.00		\$1,292,871.86
SUBTOTAL PECAN ESTATES SECTION 3 SWPPP ITEMS					\$25,455.17		\$25,628.00		\$31,447.88
SUBTOTAL SECTION 3 GENERAL ITEMS					\$71,930.31		\$101,470.00		\$76,606.35
<b>TOTAL AMOUNT BASE BID</b>					<b>\$3,728,771.63</b>		<b>\$3,775,385.60</b>		<b>\$3,785,758.22</b>

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CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE PECAN ESTATES SECTION 2 AND PECAN ESTATES SECTION 3  
 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 OCTOBER 26, 2021  
 LJA ENGINEERING, INC.  
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**BID OPENING DATE:**  
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**LJA JOB NO.**

ITEM	DESCRIPTION	UNIT	QTY	7) PRINCIPAL SERVICES, LTD		8) TRIPLE B SERVICES, LLP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>PECAN ESTATES SECTION 2 WATERLINE ITEMS</b>							
1	6" PVC WATER LINE, AWWA C-900, DR 14, CLASS 305, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	413	\$30.00	\$12,390.00	\$41.43	\$17,110.59
2	8" PVC WATER LINE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1740	\$37.00	\$64,380.00	\$43.74	\$76,107.60
3	8" GATE VALVE & BOX, ADJUSTMENTS AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$1,400.00	\$8,400.00	\$2,017.89	\$12,107.34
4	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLA	LF	722	\$40.00	\$28,880.00	\$43.67	\$31,529.74
5	8" PLUG AND CLAMP WITH 2" BLOW-OFF VALVE, COMPLETE IN PLACE	EA	1	\$1,100.00	\$1,100.00	\$1,370.15	\$1,370.15
6	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES ADJUSTMENTS AS NECESSARY, APPROPRIATE TEE, 6" GATE VALVE & BOX, TRENCH SAFETY, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	6	\$4,900.00	\$29,400.00	\$4,822.80	\$28,936.80
7	REMOVE AND DISPOSE OF EXISTING PLUG AND CLAMP AND CONNECT PROPOSED WATER LINE, INCLUDES ALL NECESSARY ADAPTORS AND CONNECTORS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$450.00	\$450.00	\$992.69	\$992.69
8	TRENCH SAFETY SYSTEM FOR WATER LINE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2875	\$0.10	\$287.50	\$0.12	\$345.00
<b>PECAN ESTATES SECTION 2 WATERLINE ITEMS SUBTOTAL:</b>					<b>\$145,287.50</b>		<b>\$168,499.91</b>
<b>PECAN ESTATES SECTION 2 SANITARY SEWER SYSTEM ITEMS</b>							
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8' - 12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	949	\$45.00	\$42,705.00	\$64.71	\$61,409.79
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12' - 16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	475	\$50.00	\$23,750.00	\$64.71	\$30,737.25
3	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 16' - 20' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	867	\$55.00	\$47,685.00	\$64.71	\$56,103.57
4	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, STACKS, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	899	\$70.00	\$62,930.00	\$75.38	\$67,766.62
5	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, STACKS, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND NECESSARY FITTINGS, COMPLETE IN PLACE	EA	21	\$2,100.00	\$44,100.00	\$1,995.85	\$41,912.85
6	STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (8' DEPTHS), COMPLETE IN PLACE	EA	16	\$4,500.00	\$72,000.00	\$4,827.30	\$77,236.80
7	EXTRA VERTICAL DEPTH FOR 4' DIAMETER SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	165	\$175.00	\$28,875.00	\$148.72	\$24,538.80
8	CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$1,369.21	\$1,369.21
9	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1500	\$20.00	\$30,000.00	\$23.79	\$35,685.00
10	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	3190	\$0.10	\$319.00	\$0.12	\$382.80



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ITEM	DESCRIPTION	UNIT	QTY	7) PRINCIPAL SERVICES, LTD		8) TRIPLE B SERVICES, LLP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11	BEDDING AND BACKFILL FOR SANITARY SEWER WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$17.85	\$8,925.00
<b>PECAN ESTATES SECTION 2 SANITARY SEWER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$360,864.00</b>	<b>\$406,067.69</b>	
<b>PECAN ESTATES SECTION 2 STORM SEWER SYSTEM ITEMS</b>							
1	24" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1414	\$71.00	\$100,394.00	\$86.91	\$122,890.74
2	30" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	375	\$85.00	\$31,875.00	\$107.54	\$40,327.50
3	36" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	258	\$123.00	\$31,734.00	\$138.00	\$35,604.00
4	5' X 5' REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	529	\$396.00	\$209,484.00	\$394.00	\$208,426.00
5	STAGE I – STANDARD 5' REINFORCED CONCRETE PRECAST INLET ("H-2") ALL DEPTHS, COMPLETE IN PLACE	EA	19	\$1,128.00	\$21,432.00	\$1,964.00	\$37,316.00
6	STAGE II – STANDARD 5' REINFORCED PRECAST OR REINFORCED CONCRETE CAST-IN-PLACE (4,000 PSI) INLET ("H-2"), COMPLETE IN PLACE	EA	19	\$1,700.00	\$32,300.00	\$3,925.00	\$74,575.00
7	STAGE I – STANDARD PRECAST INLET TYPE "C-1", ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,100.00	\$2,200.00	\$2,210.00	\$4,420.00
8	STAGE II – STANDARD PRECAST INLET TYPE "C-1", COMPLETE IN PLACE	EA	2	\$2,100.00	\$4,200.00	\$3,925.00	\$7,850.00
9	TYPE "C" PRECAST OR CAST-IN-PLACE MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	15	\$3,000.00	\$45,000.00	\$3,350.00	\$50,250.00
10	JUNCTION BOX WITH MANHOLE TOP FOR BOX CULVERT STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$12,000.00	\$48,000.00	\$17,675.00	\$70,700.00
11	CUT EXISTING 5' X 5' RCB STORM SEWER PERPENDICULAR AND CONNECT PROPOSED 5' X 5' RCB STORM SEWER WITH REINFORCED CONCRETE COLLAR, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$7,572.00	\$7,572.00
12	30" RCP STORM SEWER OUTFALL STRUCTURE, INCLUDING APPROX. 100 SY OF RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	LS	1	\$25,000.00	\$25,000.00	\$21,770.00	\$21,770.00
13	5' X 5' RCB STORM SEWER OUTFALL STRUCTURE, INCLUDING APPROX. 170 SY OF RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	LS	1	\$28,000.00	\$28,000.00	\$24,500.00	\$24,500.00
14	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1200	\$20.00	\$24,000.00	\$23.75	\$28,500.00
15	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	2576	\$0.10	\$257.60	\$0.12	\$309.12
16	BEDDING AND BACKFILL FOR STORM SEWER WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$17.80	\$8,900.00
<b>PECAN ESTATES SECTION 2 STORM SEWER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$613,376.60</b>	<b>\$743,910.36</b>	

**BID TABULATION FOR:**

CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE PECAN ESTATES SECTION 2 AND PECAN ESTATES SECTION 3  
 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 OCTOBER 26, 2021  
 LJA ENGINEERING, INC.  
 D. FORREST  
 OCTOBER 26, 2021  
 2435-0210A & 2435-0310A (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	7) PRINCIPAL SERVICES, LTD		8) TRIPLE B SERVICES, LLP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>PECAN ESTATES SECTION 2 SWPPP ITEMS</b>							
1	SILT FENCE INLET PROTECTION BARRIERS, SWMHCA SPECIFICATION NO. 4511, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	21	\$10.00	\$210.00	\$72.00	\$1,512.00
2	INSTALLATION AND REMOVAL OF REINFORCED FILTER FABRIC FENCE SWMHCA SPECIFICATIONS NO. 4311, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	3144	\$0.50	\$1,572.00	\$2.40	\$7,545.60
3	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$3,090.00	\$3,090.00
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$1,070.00	\$1,070.00
5	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$2,170.00	\$2,170.00
6	HYDRO-MULCH SEEDING FOR PROPOSED DITCH SIDE SLOPE, COMPLETE IN PLACE	AC	5	\$1,500.00	\$7,500.00	\$2,140.00	\$10,700.00
<b>PECAN ESTATES SECTION 2 SWPPP ITEMS SUBTOTAL:</b>					<b>\$12,282.00</b>		<b>\$26,087.60</b>
<b>SECTION 2 GENERAL ITEMS</b>							
1	METHOD "A" CONSTRUCTOIN STAKING TO BE DONE BY LJA SURVEYING, CONTACT SCOTT LOWE AT 713.953.5111, COMPLETE IN PLACE	LS	1	\$7,700.00	\$7,700.00	\$7,700.00	\$7,700.00
2	REMOVE AND DISPOSE OF EXISTING IRRIGATION LINE WITH 4" CONNECTIONS, INCLUDES DISPOSAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATOIN TO DUMP, (TO BE FIELD VERIFIED BY ENGINEER, CONTRACTOR AND PROPERTY OWNER PRIOR TO REMOVAL), COMPLETE IN PLACE	LF	250	\$10.00	\$2,500.00	\$12.65	\$3,162.50
3	CLEARING AND GRUBBING BY CHIPPING, INCLUDES REMOVING ALL TREE STUMPS, ROOT RAKING, CLEARING OF ALL DEBRIS, HAULING OF ALL INORGANIC AND ORGANIC MATERIAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DISPOSE, COMPLETE IN PLACE	AC	1	\$10,000.00	\$10,000.00	\$10,100.00	\$10,100.00
4	CEMENT STABILIZED SAND BACKFILL, (1.1 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF ENGINEER), COMPLETE IN PLACE	CY	250	\$15.00	\$3,750.00	\$15.00	\$3,750.00
5	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$182.00	\$364.00
6	UTILITY SPOILS TO BE USED AS FILL FOR EXISTING SWALES OR PLACED ON LOTS, INCLUDES PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, DEMUCKING AND SCARIFY OF FILL AREAS, COMPLETE IN PLACE	CY	4182	\$1.50	\$6,273.00	\$11.50	\$48,093.00
7	RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), FOR DRAINAGE DITCH, COMPLETE IN PLACE	SY	100	\$92.00	\$9,200.00	\$103.00	\$10,300.00
8	PUMP DOWN (WITH 4-INCH PUMP) STANDING WATER IN, AS NECESSARY TO CREATE A DRY WORKING ENVIRONMENT FOR THE INSTALLATION OF THE PROPOSED STORM SEWER IMPROVEMENTS, COMPLETE IN PLACE	HR	100	\$70.00	\$7,000.00	\$138.00	\$13,800.00
9	REMOVE AND DISPOSE OF EXISTING RIP RAP, INCLUDES DISPOSAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, COMPLETE IN PLACE	SY	170	\$15.00	\$2,550.00	\$58.50	\$9,945.00

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CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE PECAN ESTATES SECTION 2 AND PECAN ESTATES SECTION 3  
 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 OCTOBER 26, 2021  
 LJA ENGINEERING, INC.  
 D. FORREST  
 OCTOBER 26, 2021  
 2435-0210A & 2435-0310A (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	7) PRINCIPAL SERVICES, LTD		8) TRIPLE B SERVICES, LLP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>SECTION 2 GENERAL ITEMS SUBTOTAL:</b>					<b>\$49,973.00</b>		<b>\$107,214.50</b>
<b>PECAN ESTATES SECTION 3 WATERLINE ITEMS</b>							
1	6" PVC WATER LINE, AWWA C-900, DR 14, CLASS 305, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	896	\$33.00	\$29,568.00	\$39.00	\$34,944.00
2	8" PVC WATER LINE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1860	\$40.00	\$74,400.00	\$41.30	\$76,818.00
3	12" PVC WATER LINE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1337	\$65.00	\$86,905.00	\$73.75	\$98,603.75
4	6" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	82	\$43.00	\$3,526.00	\$54.60	\$4,477.20
5	8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	2194	\$44.00	\$96,536.00	\$47.20	\$103,556.80
6	12" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1247	\$78.00	\$97,266.00	\$85.00	\$105,995.00
7	8" GATE VALVE & BOX, ADJUSTMENTS AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	17	\$1,600.00	\$27,200.00	\$1,990.00	\$33,830.00
8	12" GATE VALVE & BOX, ADJUSTMENTS AS NECESSARY, ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$2,900.00	\$26,100.00	\$3,262.00	\$29,358.00
9	12" PLUG AND CLAMP W/ 2" BLOW-OFF VALVE, COMPLETE IN PLACE	EA	2	\$1,300.00	\$2,600.00	\$2,694.00	\$5,388.00
10	FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES ADJUSTMENTS AS NECESSARY, APPROPRIATE TEE, 6" GATE VALVE & BOX, TRENCH SAFETY, LEAD AND FLUSHING VALVE, COMPLETE IN PLACE	EA	15	\$5,200.00	\$78,000.00	\$4,570.00	\$68,550.00
11	REMOVE AND DISPOSE OF EXISTING PLUG AND CLAMP AND CONNECT PROPOSED WATER LINE, INCLUDES ALL NECESSARY ADAPTORS AND CONNECTORS, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$600.00	\$3,000.00	\$950.00	\$4,750.00
12	TRENCH SAFETY SYSTEM FOR WATER LINE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	7616	\$0.10	\$761.60	\$0.12	\$913.92
<b>PECAN ESTATES SECTION 3 WATERLINE ITEMS SUBTOTAL:</b>					<b>\$525,862.60</b>		<b>\$567,184.67</b>
<b>PECAN ESTATES SECTION 3 SANITARY SEWER SYSTEM ITEMS</b>							
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0' - 8' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	131	\$45.00	\$5,895.00	\$53.85	\$7,054.35
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8' - 12' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1738	\$50.00	\$86,900.00	\$53.85	\$93,591.30
3	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12' - 16' CUT, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3530	\$55.00	\$194,150.00	\$53.85	\$190,090.50
4	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, STACKS, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	LF	1962	\$70.00	\$137,340.00	\$74.40	\$145,972.80
5	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, STACKS, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, AND NECESSARY FITTINGS, COMPLETE IN PLACE	EA	55	\$2,000.00	\$110,000.00	\$1,840.00	\$101,200.00

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 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 OCTOBER 26, 2021  
 LJA ENGINEERING, INC.  
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**BID OPENING DATE:**  
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ITEM	DESCRIPTION	UNIT	QTY	7) PRINCIPAL SERVICES, LTD		8) TRIPLE B SERVICES, LLP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6	STANDARD SANITARY SEWER MANHOLE FOR 6" – 24" SANITARY SEWER PIPES, (8' DEPTH), COMPLETE IN PLACE	EA	39	\$4,500.00	\$175,500.00	\$3,105.00	\$121,095.00
7	EXTRA VERTICAL DEPTH FOR 4' DIAMETER SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	102	\$175.00	\$17,850.00	\$148.50	\$15,147.00
8	CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$500.00	\$2,000.00	\$1,367.00	\$5,468.00
9	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1500	\$20.00	\$30,000.00	\$23.75	\$35,625.00
10	TRENCH SAFETY SYSTEM FOR SANITARY SEWER, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	7361	\$0.10	\$736.10	\$0.12	\$883.32
11	BEDDING AND BACKFILL FOR SANITARY SEWER WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$17.80	\$8,900.00
<b>PECAN ESTATES SECTION 3 SANITARY SEWER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$767,871.10</b>		<b>\$725,027.27</b>
<b>PECAN ESTATES SECTION 3 STORM SEWER SYSTEM ITEMS</b>							
1	24" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	2704	\$71.00	\$191,984.00	\$86.75	\$234,572.00
2	30" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1470	\$85.00	\$124,950.00	\$107.40	\$157,878.00
3	36" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	150	\$123.00	\$18,450.00	\$138.00	\$20,700.00
4	42" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	413	\$163.00	\$67,319.00	\$181.00	\$74,753.00
5	54" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	437	\$262.00	\$114,494.00	\$289.00	\$126,293.00
6	60" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	232	\$320.00	\$74,240.00	\$334.00	\$77,488.00
7	5' X 5' REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	668	\$396.00	\$264,528.00	\$394.00	\$263,192.00
8	STAGE I – STANDARD REINFORCED CONCRETE PRECAST INLET ("H-2"), ALL DEPTHS, COMPLETE IN PLACE	EA	36	\$1,100.00	\$39,600.00	\$2,150.00	\$77,400.00
9	STAGE II – STANDARD 5' REINFORCED CONCRETE PRECAST OR REINFORCED CONCRETE CAST-IN-PLACE (4,000 PSI) INLET ("H-2"), COMPLETE IN PLACE	EA	36	\$1,700.00	\$61,200.00	\$3,925.00	\$141,300.00
10	STAGE I – STANDARD PRECAST INLET TYPE "C-1", ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$1,100.00	\$6,600.00	\$2,058.00	\$12,348.00
11	STAGE II – STANDARD PRECAST INLET TYPE "C-1", COMPLETE IN PLACE	EA	5	\$2,100.00	\$10,500.00	\$3,925.00	\$19,625.00
12	TYPE "E" INLET, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$1,700.00	\$3,400.00	\$3,458.00	\$6,916.00
13	TYPE "C" PRECAST OR CAST-IN-PLACE MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	41	\$3,000.00	\$123,000.00	\$3,448.00	\$141,368.00
14	TYPE "C" PRECAST OR CAST-IN-PLACE MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	5	\$4,500.00	\$22,500.00	\$15,475.00	\$77,375.00

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 CROSBY MUNICIPAL UTILITY DISTRICT  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
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ITEM	DESCRIPTION	UNIT	QTY	7) PRINCIPAL SERVICES, LTD		8) TRIPLE B SERVICES, LLP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
15	CAST-IN-PLACE OVERSIZED MANHOLE (M.H. D-29), COMPLETE IN PLACE	EA	1	\$13,000.00	\$13,000.00	\$7,780.00	\$7,780.00
16	JUNCTION BOX, WITH MANHOLE TOP FOR BOX CULVERT STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$15,000.00	\$60,000.00	\$17,700.00	\$70,800.00
17	R.C.B. CULVERT BEND OR COLLAR WITH TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$26,600.00	\$26,600.00
18	5' X 5' RCB STORM SEWER OUTFALL STRUCTURE, INCLUDING APPROX. 170 SY OF RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), COMPLETE IN PLACE	LS	1	\$20,000.00	\$20,000.00	\$17,500.00	\$17,500.00
19	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1500	\$20.00	\$30,000.00	\$23.75	\$35,625.00
20	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	6073	\$0.10	\$607.30	\$0.12	\$728.76
21	DEMUCK AND FILL EXISTING DRAINAGE SWALE, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, COMPLETE IN PLACE	LF	1957	\$3.00	\$5,871.00	\$3.10	\$6,066.70
22	EXCAVATION AND GRADING OF TEMPORARY DRAINAGE DITCH, 3:1 MINIMUM SIDE SLOPES - 10' BOTTOM (ALL DEPTHS), DIRT TO BE PLACED ADJACENT TO DITCH AND COMPACTED TO A BERM, INCLUDES STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	4223	\$4.00	\$16,892.00	\$9.36	\$39,527.28
23	EXCAVATION AND GRADING OF DRAINAGE SWALE, 3:1 MINIMUM SIDE SLOPE - V-BOTTOM, (ALL DEPTHS), INCLUDES STRIPPING, STOCKPILING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	3076	\$4.00	\$12,304.00	\$6.40	\$19,686.40
24	BEDDING AND BACKFILL FOR STORM SEWER WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$15.00	\$7,500.00	\$17.80	\$8,900.00
<b>PECAN ESTATES SECTION 3 STORM SEWER SYSTEM ITEMS SUBTOTAL:</b>					<b>\$1,290,939.30</b>		<b>\$1,664,422.14</b>
<b>PECAN ESTATES SECTION 3 SWPPP ITEMS</b>							
1	SILT FENCE INLET PROTECTION BARRIERS, SWMHCA SPECIFICATION NO. 4511, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	44	\$10.00	\$440.00	\$72.00	\$3,168.00
2	INSTALLATION AND REMOVAL OF REINFORCED FILTER FABRIC FENCE SWMHCA SPECIFICATIONS NO. 4311, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	7190	\$0.50	\$3,595.00	\$2.40	\$17,256.00
3	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$3,090.00	\$3,090.00
4	INSTALL, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$1,070.00	\$1,070.00
5	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$2,650.00	\$2,650.00
6	HYDRO-MULCH SEEDING FOR PROPOSED DITCH SIDE SLOPE, COMPLETE IN PLACE	AC	5	\$1,500.00	\$7,500.00	\$2,140.00	\$10,700.00
<b>PECAN ESTATES SECTION 3 SWPPP ITEMS SUBTOTAL:</b>					<b>\$14,535.00</b>		<b>\$37,934.00</b>

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ITEM	DESCRIPTION	UNIT	QTY	7) PRINCIPAL SERVICES, LTD		8) TRIPLE B SERVICES, LLP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>SECTION 3 GENERAL ITEMS</b>							
1	METHOD "A" CONSTRUCTOIN STAKING TO BE DONE BY LJA SURVEYING, CONTACT SCOTT LOWE AT 713.953.5111, COMPLETE IN PLACE	LS	1	\$18,200.00	\$18,200.00	\$18,200.00	\$18,200.00
2	REMOVE AND DISPOSE OF EXISTING IRRIGATION LINE WITH 4" CONNECTIONS, INCLUDES DISPOSAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATOIN TO DUMP, (TO BE FIELD VERIFIED BY ENGINEER, CONTRACTOR AND PROPERTY OWNER PRIOR TO REMOVAL), COMPLETE IN PLACE	LF	250	\$6.00	\$1,500.00	\$12.65	\$3,162.50
3	CLEARING AND GRUBBING BY CHIPPING. INCLUDES REMOVING ALL TREE STUMPS, ROOT RAKING, CLEARING OF ALL DEBRIS, HAULING OF ALL INORGANIC AND ORGANIC MATERIAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DISPOSE, COMPLETE IN PLACE	AC	1	\$10,000.00	\$10,000.00	\$10,100.00	\$10,100.00
4	CEMENT STABILIZED SAND BACKFILL, (1.1 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF ENGINEER), COMPLETE IN PLACE	CY	250	\$15.00	\$3,750.00	\$15.00	\$3,750.00
5	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$182.00	\$364.00
6	UTILITY SPOILS TO BE USED AS FILL FOR EXISTING SWALES OR PLACED ON LOTS, INCLUDES PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, DEMUCKING AND SCARIFY OF FILL AREAS, COMPLETE IN PLACE	CY	10430	\$1.50	\$15,645.00	\$9.50	\$99,085.00
7	RIP RAP (18" THICKNESS), GRADATION NO. 1, INCLUDING GEOTEXTILE FABRIC, ("MIRAFI-600" OR APPROVED EQUAL), FOR DRAINAGE DITCH, COMPLETE IN PLACE	SY	100	\$92.00	\$9,200.00	\$103.00	\$10,300.00
8	PUMP DOWN (WITH 4-INCH PUMP) STANDING WATER IN, AS NECESSARY TO CREATE A DRY WORKING ENVIRONMENT FOR THE INSTALLATION OF THE PROPOSED STORM SEWER IMPROVEMENTS, COMPLETE IN PLACE	HR	100	\$70.00	\$7,000.00	\$138.00	\$13,800.00
9	REMOVE AND DISPOSE OF EXISTING RIP RAP, INCLUDES DISPOSAL OUTSIDE THE BOUNDARY OF THE DEVELOPMENT TO A LOCATION CONTRACTOR HAS AUTHORIZATION TO DUMP, COMPLETE IN PLACE	SY	170	\$15.00	\$2,550.00	\$58.50	\$9,945.00
<b>SECTION 3 GENERAL ITEMS SUBTOTAL:</b>					<b>\$68,845.00</b>		<b>\$168,706.50</b>
<b>BIDDING SUMMARY</b>							
SUBTOTAL PECAN ESTATES SECTION 2 WATERLINE ITEMS					\$145,287.50		\$168,499.91
SUBTOTAL PECAN ESTATES SECTION 2 SANITARY SEWER SYSTEM ITEMS					\$360,864.00		\$406,067.69
SUBTOTAL PECAN ESTATES SECTION 2 STORM SEWER SYSTEM ITEMS					\$613,376.60		\$743,910.36
SUBTOTAL PECAN ESTATES SECTION 2 SWPPP ITEMS					\$12,282.00		\$26,087.60
SUBTOTAL SECTION 2 GENERAL ITEMS					\$49,973.00		\$107,214.50
SUBTOTAL PECAN ESTATES SECTION 3 WATERLINE ITEMS					\$525,862.60		\$567,184.67
SUBTOTAL PECAN ESTATES SECTION 3 SANITARY SEWER SYSTEM ITEMS					\$767,871.10		\$725,027.27
SUBTOTAL PECAN ESTATES SECTION 3 STORM SEWER SYSTEM ITEMS					\$1,290,939.30		\$1,664,422.14
SUBTOTAL PECAN ESTATES SECTION 3 SWPPP ITEMS					\$14,535.00		\$37,934.00
SUBTOTAL SECTION 3 GENERAL ITEMS					\$68,845.00		\$168,706.50
<b>TOTAL AMOUNT BASE BID</b>					<b>\$3,849,836.10</b>		<b>\$4,615,054.64</b>