

**BID TABULATION FOR:**

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

CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES  
 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT 480  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 SEPTEMBER 22, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 SEPTEMBER 22, 2020  
 JOB NUMBER 2457-2012D (9.2)

BIDDER'S NAME	TOTAL BID AMOUNT	TOTAL AMOUNT BID INCL. ATERNATE A	TOTAL AMOUNT BID INCL. ATERNATE B
1) BLAZEY CONSTRUCTION SERVICES, LLC	\$1,329,689.00	\$1,781,829.00	\$1,448,112.40
2) R CONSTRUCTION CIVIL, LLC	\$1,343,956.60	\$1,840,456.60	\$1,447,245.00
3) D. L. ELLIOTT ENTERPRISES, INC.	\$1,366,090.30	\$1,884,090.30	\$1,446,018.30
4) UNITAS CONSTRUCTION, INC.	\$1,377,077.00	\$2,070,077.00	\$1,486,480.90
5) TEXASITE, LLC	\$1,379,848.02	\$2,082,848.02	\$1,479,809.22
6) PRINCIPAL SERVICES, LTD	\$1,455,421.50	\$2,084,421.50	\$1,567,543.90
7) KENNETH LAMB CONSTRUCTION LTD	\$1,461,587.00	\$1,942,587.00	\$1,556,709.00
8) C.E. BARKER, LTD.	\$1,599,872.95	\$2,276,232.95	\$1,728,974.01
9) HARRIS CONSTRUCTION COMPANY, LTD	\$1,621,458.64	\$2,046,958.64	\$1,753,397.64
10) TRIPLE B SERVICES, LLP	\$1,898,692.71	\$2,148,192.71	\$2,073,901.15

CALENDAR DAYS - 40/70



9-22-2020

*K. Wilson*

I, Kirsten Wilson, PE, hereby certify these bid tabulations to be true and correct

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ITEM DESCRIPTION	UNIT	QTY	1) BLAZEY CONSTRUCTION SERVICES, LLC		2) R CONSTRUCTION CIVIL, LLC		3) D. L. ELLIOTT ENTERPRISES, INC.		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>WATER ITEMS</b>									
1. 8" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS & BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	3,824	\$19.00	\$72,656.00	\$18.00	\$68,832.00	\$20.00	\$76,480.00	
2. 8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	497	\$28.00	\$13,916.00	\$30.00	\$14,910.00	\$30.00	\$14,910.00	
3. 14" STEEL CASING FOR 8" WATER LINE, INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	110	\$64.00	\$7,040.00	\$37.00	\$4,070.00	\$75.00	\$8,250.00	
4. TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	7,380	\$0.30	\$2,214.00	\$0.10	\$738.00	\$1.00	\$7,380.00	
5. 8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	9	\$914.00	\$8,226.00	\$1,000.00	\$9,000.00	\$950.00	\$8,550.00	
6. 8" AWWA GATE VALVE AND BOX WITH RESTRAINED JOINTS, COMPLETE IN PLACE	EA	5	\$1,007.00	\$5,035.00	\$1,100.00	\$5,500.00	\$1,050.00	\$5,250.00	
7. FLUSHING VALVE ASSEMBLY, ALL DEPTHS, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE AND BOX, AND LEAD PIPE, COMPLETE IN PLACE	EA	11	\$3,359.00	\$36,949.00	\$3,800.00	\$41,800.00	\$3,500.00	\$38,500.00	
8. 8" PLUG & CLAMP WITH 2" BLOW-OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	5	\$169.00	\$845.00	\$700.00	\$3,500.00	\$550.00	\$2,750.00	
9. WET CONNECTION OF PROPOSED 8" WATER LINE TO EXISTING WATER LINE INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, (ALL DEPTHS), COMPLETE IN PLACE	EA	2	\$762.00	\$1,524.00	\$150.00	\$300.00	\$600.00	\$1,200.00	
10. LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	43	\$870.00	\$37,410.00	\$800.00	\$34,400.00	\$970.00	\$41,710.00	
11. SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	24	\$809.00	\$19,416.00 *	\$400.00	\$9,600.00	\$700.00	\$16,800.00	
12. 2" AIR RELEASE VALVE ASSEMBLY FOR WATER LINE INCLUDES SERVICE MANHOLE, COMPLETE IN PLACE	EA	3	\$9,452.00	\$28,356.00	\$8,500.00	\$25,500.00	\$7,200.00	\$21,600.00	
13. ADJUST WATER VALVE AND BOX TO PROPOSED GRADE (ALL SIZES), COMPLETE IN PLACE	EA	2	\$27.00	\$54.00	\$1.00	\$2.00	\$170.00	\$340.00	
14. UTILITY SPOILS FROM CONSTRUCTION OF WATER ITEMS, PER CONSTRUCTION PLANS SHEET NO. 9, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	7,000	\$1.70	\$11,900.00	\$1.50	\$10,500.00	\$1.00	\$7,000.00	
15. DEWATERING FOR WATER LINE, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	250	\$22.00	\$5,500.00	\$22.00	\$5,500.00	\$22.00	\$5,500.00	
<b>SUBTOTAL WATER ITEMS</b>				<b>\$251,041.00 *</b>		<b>\$234,152.00</b>		<b>\$256,220.00</b>	
<b>SANITARY SEWER ITEMS</b>									
1. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, ALL CUTS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3,869	\$39.00	\$150,891.00	\$45.00	\$174,105.00	\$29.00	\$112,201.00	
2. LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, STACK, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	21	\$2,244.00	\$47,124.00	\$1,450.00	\$30,450.00	\$2,000.00	\$42,000.00	
3. SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, STACK, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	40	\$940.00	\$37,600.00	\$775.00	\$31,000.00	\$900.00	\$36,000.00	
4. TRENCH SAFETY SYSTEM FOR SANITARY SEWER, ALL DEPTHS AND SIZES, COMPLETE IN PLACE	LF	5,739	\$0.30	\$1,721.70	\$0.10	\$573.90	\$1.00	\$5,739.00	
5. VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	3,869	\$2.00	\$7,738.00	\$1.70	\$6,577.30	\$1.50	\$5,803.50	

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ITEM	DESCRIPTION	UNIT	QTY	1) BLAZEY CONSTRUCTION SERVICES, LLC		2) R CONSTRUCTION CIVIL, LLC		3) D. L. ELLIOTT ENTERPRISES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.	STANDARD 4' DIAMETER SANITARY SEWER MANHOLE, (0' - 8' DEPTH), INCLUDES PLASTIC INFLOW PROTECTOR AND ADJUSTMENTS, COMPLETE IN PLACE	EA	26	\$2,254.00	\$58,604.00	\$1,700.00	\$44,200.00	\$2,000.00	\$52,000.00
7.	EXTRA VERTICAL DEPTH FOR 4' DIAMETER SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	218	\$122.00	\$26,596.00	\$105.00	\$22,890.00	\$155.00	\$33,790.00
8.	CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,775.00	\$1,775.00	\$1,400.00	\$1,400.00	\$800.00	\$800.00
9.	STANDARD DROP ON EXISTING SANITARY SEWER MANHOLE FOR ALL PIPE SIZES, INCLUDES CORE INTO MANHOLE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$758.00	\$758.00	\$700.00	\$700.00	\$1,000.00	\$1,000.00
10.	CONSTRUCT SANITARY SEWER MANHOLE ON EXISTING LINE, INCLUDES REMOVAL AND OFFSITE DISPOSAL OF EXISTING 8" PLUG, PLASTIC INFLOW PROTECTOR, PROTECTIVE INTERIOR COATING, AND ADJUSTMENTS, DOES NOT INCLUDE MANHOLE, COMPLETE IN PLACE	EA	1	\$5,505.00	\$5,505.00	\$2,200.00	\$2,200.00	\$2,500.00	\$2,500.00
11.	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	7	\$648.00	\$4,536.00	\$600.00	\$4,200.00	\$850.00	\$5,950.00
12.	ADJUST EXISTING SANITARY SEWER MANHOLE TO FINAL GRADE, COMPLETE IN PLACE	EA	1	\$80.00	\$80.00	\$100.00	\$100.00	\$170.00	\$170.00
13.	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	700	\$15.00	\$10,500.00	\$15.00	\$10,500.00	\$15.00	\$10,500.00
14.	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$22.00	\$11,000.00
15.	UTILITY SPOILS FROM CONSTRUCTION OF SANITARY SEWER ITEMS, PER CONSTRUCTION PLANS SHEET NO. 9, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	10,000	\$1.70	\$17,000.00	\$1.60	\$16,000.00	\$1.00	\$10,000.00
16.	8" SANITARY SEWER PLUG, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$133.00	\$133.00	\$50.00	\$50.00	\$50.00	\$50.00
<b>SUBTOTAL SANITARY SEWER ITEMS</b>					<b>\$381,561.70</b>		<b>\$355,946.20</b>		<b>\$329,503.50</b>
<b>DRAINAGE FACILITIES ITEMS</b>									
1.	24" RCP STORM SEWER LEAD, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	785	\$57.00	\$44,745.00	\$66.00	\$51,810.00	\$62.00	\$48,670.00
2.	24" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1,894	\$57.00	\$107,958.00	\$60.00	\$113,640.00	\$62.00	\$117,428.00
3.	30" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	598	\$68.00	\$40,664.00	\$77.00	\$46,046.00	\$89.00	\$53,222.00
4.	36" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	351	\$100.00	\$35,100.00	\$109.00	\$38,259.00	\$113.00	\$39,663.00
5.	42" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	762	\$127.00	\$96,774.00	\$185.00	\$140,970.00	\$147.00	\$112,014.00
6.	48" CORRUGATED GALVANIZED METAL PIPE, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	87	\$83.00	\$7,221.00	\$109.00	\$9,483.00	\$111.00	\$9,657.00
7.	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	4,477	\$0.30	\$1,343.10	\$0.10	\$447.70	\$1.00	\$4,477.00
8.	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	4,477	\$2.30	\$10,297.10	\$3.50	\$15,669.50	\$2.00	\$8,954.00
9.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	37	\$2,391.00	\$88,467.00	\$2,700.00	\$99,900.00	\$3,200.00	\$118,400.00
10.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$4,347.00	\$4,347.00	\$6,200.00	\$6,200.00	\$5,200.00	\$5,200.00

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ITEM	DESCRIPTION	UNIT	QTY	1) BLAZEY CONSTRUCTION SERVICES, LLC		2) R CONSTRUCTION CIVIL, LLC		3) D. L. ELLIOTT ENTERPRISES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11.	STAGE I - REINFORCED CONCRETE TYPE "C" INLET, (5' OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	25	\$1,254.00	\$31,350.00	\$800.00	\$20,000.00	\$1,200.00	\$30,000.00
12.	STAGE II - REINFORCED CONCRETE TYPE "C" INLET, (5' OPENING), ALL DEPTHS, COMPLETE IN PLACE	EA	25	\$1,087.00	\$27,175.00 *	\$1,200.00	\$30,000.00	\$1,800.00	\$45,000.00
13.	STAGE I - REINFORCED CONCRETE TYPE "C-1" INLET (5' OPENING ADDED ON ONE SIDE FOR TOTAL 10' OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	9	\$1,254.00	\$11,286.00	\$850.00	\$7,650.00	\$2,000.00	\$18,000.00
14.	STAGE II - REINFORCED CONCRETE TYPE "C-1" INLET (5' OPENING ADDED ON ONE SIDE FOR TOTAL 10' OPENING), ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$1,408.00	\$12,672.00	\$2,100.00	\$18,900.00	\$3,000.00	\$27,000.00
15.	REINFORCED CONCRETE TYPE "E" INLET, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$2,051.00	\$6,153.00	\$3,300.00	\$9,900.00	\$2,300.00	\$6,900.00
16.	BREAK INTO EXISTING STORM SEWER MANHOLE WITH TYPE "E" INLET TOP AND CONNECT PROPOSED 42" STORM SEWER, INCLUDES APPURTENANCES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$292.00	\$292.00	\$500.00	\$500.00	\$900.00	\$900.00
17.	OUTFALL STRUCTURE FOR 48" C.G.M.P. PIPE, INCLUDES 5" REINFORCED CONCRETE SLOPE PAVEMENT TO EXISTING PILOT CHANNEL, SLOPED END TREATMENT, CUT PIPE FLUSH WITH SLOPE PAVEMENT, RESTORING DRY DETENTION POND SIDE SLOPE TO ORIGINAL CONDITION, AND ALL APPURTENANCES, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$16,813.00	\$16,813.00	\$19,000.00	\$19,000.00	\$8,500.00	\$8,500.00
18.	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	300	\$15.00	\$4,500.00	\$15.00	\$4,500.00	\$15.00	\$4,500.00
19.	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$22.00	\$11,000.00
20.	UTILITY SPOILS FROM CONSTRUCTION OF STORM SEWER ITEMS, PER CONSTRUCTION PLANS SHEET NO. 9, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	20,000	\$1.70	\$34,000.00	\$1.60	\$32,000.00	\$1.00	\$20,000.00
21.	LOT DRAINAGE SWALE, TO BE INSTALLED WITH STAGE II, COMPLETE IN PLACE	LF	14,995	\$2.70	\$40,486.50	\$1.60	\$23,992.00	\$2.00	\$29,990.00
22.	DRAINAGE SWALES AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	5,200	\$2.70	\$14,040.00	\$2.00	\$10,400.00	\$2.00	\$10,400.00
<b>SUBTOTAL DRAINAGE FACILITIES ITEMS</b>					<b>\$646,683.70 *</b>		<b>\$710,267.20</b>		<b>\$729,875.00</b>
<b>MISCELLANEOUS ITEMS</b>									
1.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS, COMPLETE IN PLACE	LS	1	\$717.00	\$717.00	\$1,200.00	\$1,200.00	\$1,500.00	\$1,500.00
2.	INSTALL, MAINTAIN, AND REMOVE CONCRETE WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$558.00	\$558.00	\$500.00	\$500.00	\$700.00	\$700.00
3.	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$1,275.00	\$1,275.00	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00
4.	MAINTAIN AND REMOVE EXISTING CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$319.00	\$319.00	\$100.00	\$100.00	\$1,500.00	\$1,500.00
5.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	13,056	\$1.30	\$16,972.80	\$1.20	\$15,667.20	\$1.30	\$16,972.80
6.	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	40	\$58.00	\$2,320.00	\$50.00	\$2,000.00	\$50.00	\$2,000.00
7.	CRUSHED STONE SUPPORT FOR MANHOLE IN UNSTABLE SUBGRADE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	2	\$425.00	\$850.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00
8.	BROADCAST SEEDING, INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	5.4	\$797.00	\$4,303.80	\$550.00	\$2,970.00	\$725.00	\$3,915.00
9.	HYDROMULCH SEEDING AND FINE GRADING, INCLUDES WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	1.5	\$1,382.00	\$2,073.00	\$1,300.00	\$1,950.00	\$2,200.00	\$3,300.00

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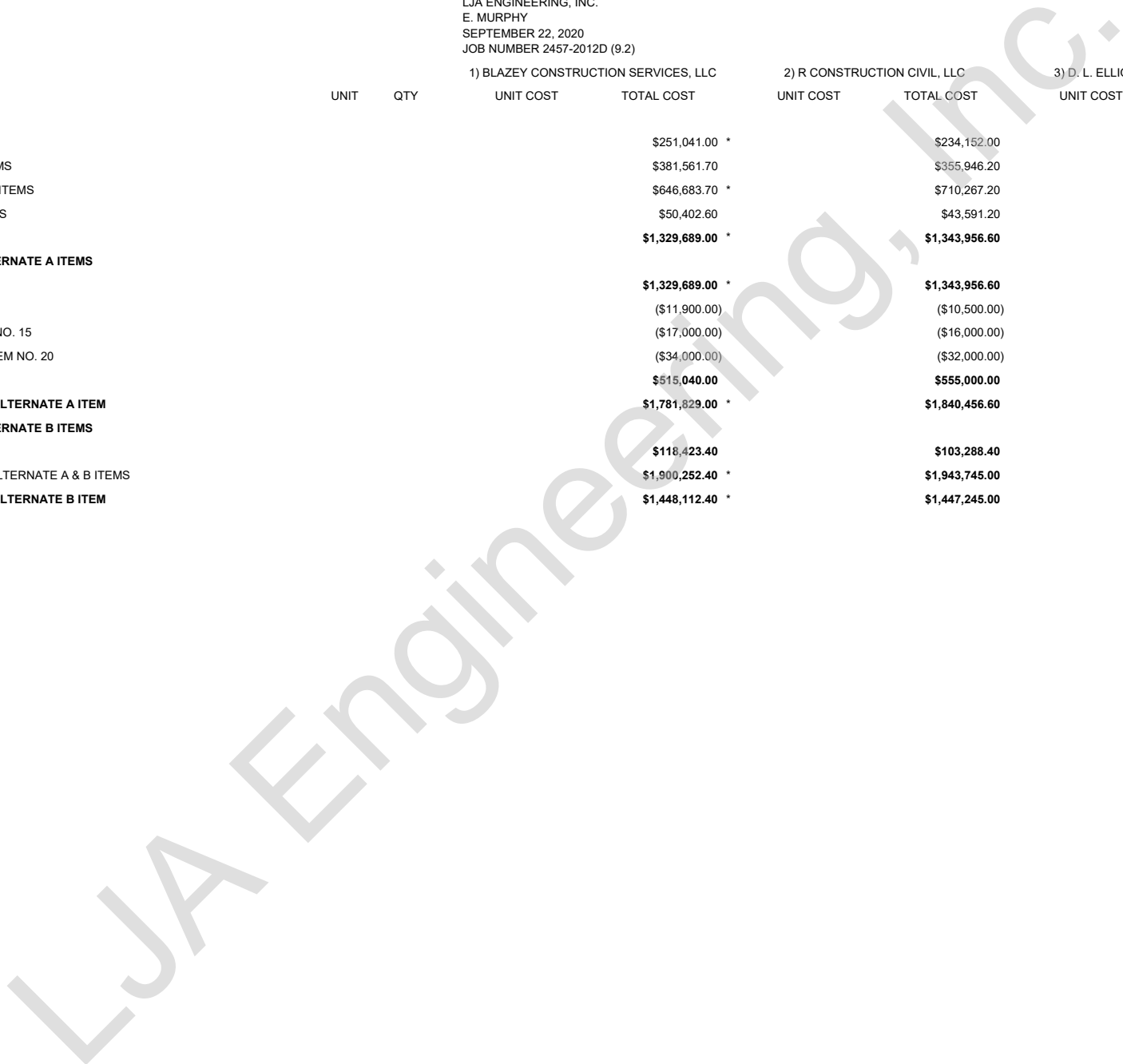
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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10.	REMOVE AND REPLACE EXISTING FENCE, AS NEEDED FOR CONSTRUCTION, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	100	\$28.00	\$2,800.00	\$34.00	\$3,400.00	\$23.00	\$2,300.00
11.	REMOVE AND OFFSITE DISPOSAL OF EXISTING TREE AND ROOT BALL WITHIN UTILITY EASEMENTS, (ALL SIZES), (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	10	\$1,541.00	\$15,410.00	\$1,000.00	\$10,000.00	\$1,300.00	\$13,000.00
12.	EXTRA CEMENT STABILIZED SAND BACKFILL, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
13.	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	67	\$12.00	\$804.00	\$12.00	\$804.00	\$12.00	\$804.00
<b>SUBTOTAL MISCELLANEOUS ITEMS</b>					<b>\$50,402.60</b>		<b>\$43,591.20</b>		<b>\$50,491.80</b>
<b>ALTERNATE A ITEM</b>									
1.	HAUL AND DISPOSE OF UTILITY SPOILS, OUTSIDE THE DEVELOPMENT IN A LEGAL MANNER, INCLUDES ALL PERMIT AND DISPOSAL FEES, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), (TO BE USED IN LIEU OF WATER ITEM NO. 14, SANITARY SEWER ITEM NO. 15, AND DRAINAGE FACILITIES ITEM NO. 20) COMPLETE IN PLACE	CY	37,000	\$13.92	\$515,040.00	\$15.00	\$555,000.00	\$15.00	\$555,000.00
<b>SUBTOTAL ALTERNATE A ITEM</b>					<b>\$515,040.00</b>		<b>\$555,000.00</b>		<b>\$555,000.00</b>
<b>ALTERNATE B ITEMS</b>									
1.	12" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, INSTALLED WITH STAGE I OR STAGE II, COMPLETE IN PLACE	LF	640	\$23.00	\$14,720.00	\$14.00	\$8,960.00	\$30.00	\$19,200.00
2.	15" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, INSTALLED WITH STAGE I OR STAGE II, COMPLETE IN PLACE	LF	295	\$26.00	\$7,670.00	\$31.00	\$9,145.00	\$33.00	\$9,735.00
3.	18" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, INSTALLED WITH STAGE I OR STAGE II, COMPLETE IN PLACE	LF	288	\$30.00	\$8,640.00	\$34.00	\$9,792.00	\$37.00	\$10,656.00
4.	18" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	191	\$49.00	\$9,359.00	\$65.00	\$12,415.00	\$55.00	\$10,505.00
5.	REINFORCED CONCRETE TYPE "A" INLET WITH FRAME AND MODIFIED ATRIUM GRATE, ALL DEPTHS, COMPLETE IN PLACE	EA	30	\$2,418.00	\$72,540.00	\$1,900.00	\$57,000.00	\$800.00	\$24,000.00
6.	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1,444	\$0.30	\$433.20	\$0.10	\$144.40	\$1.00	\$1,444.00
7.	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	1,444	\$2.30	\$3,321.20	\$3.00	\$4,332.00	\$2.00	\$2,888.00
8.	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	30	\$58.00	\$1,740.00	\$50.00	\$1,500.00	\$50.00	\$1,500.00
<b>SUBTOTAL ALTERNATE B ITEMS</b>					<b>\$118,423.40</b>		<b>\$103,288.40</b>		<b>\$79,928.00</b>

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CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES  
 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT 480  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 SEPTEMBER 22, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 SEPTEMBER 22, 2020  
 JOB NUMBER 2457-2012D (9.2)

ITEM DESCRIPTION	UNIT	QTY	1) BLAZEY CONSTRUCTION SERVICES, LLC		2) R CONSTRUCTION CIVIL, LLC		3) D. L. ELLIOTT ENTERPRISES, INC.	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>BID SUMMARY</b>								
SUBTOTAL WATER ITEMS				\$251,041.00 *	\$234,152.00		\$256,220.00	
SUBTOTAL SANITARY SEWER ITEMS				\$381,561.70	\$355,946.20		\$329,503.50	
SUBTOTAL DRAINAGE FACILITIES ITEMS				\$646,683.70 *	\$710,267.20		\$729,875.00	
SUBTOTAL MISCELLANEOUS ITEMS				\$50,402.60	\$43,591.20		\$50,491.80	
<b>TOTAL AMOUNT BID</b>				<b>\$1,329,689.00 *</b>	<b>\$1,343,956.60</b>		<b>\$1,366,090.30</b>	
<b>FAIRWAY FARMS SECTION 2 ALTERNATE A ITEMS</b>								
<b>TOTAL AMOUNT BID</b>				<b>\$1,329,689.00 *</b>	<b>\$1,343,956.60</b>		<b>\$1,366,090.30</b>	
DEDUCT WATER ITEM NO. 14				(\$11,900.00)	(\$10,500.00)		(\$7,000.00)	
DEDUCT SANITARY SEWER ITEM NO. 15				(\$17,000.00)	(\$16,000.00)		(\$10,000.00)	
DEDUCT DRAINAGE FACILITIES ITEM NO. 20				(\$34,000.00)	(\$32,000.00)		(\$20,000.00)	
SUBTOTAL ALTERNATE A ITEM				<b>\$515,040.00</b>	<b>\$555,000.00</b>		<b>\$555,000.00</b>	
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE A ITEM</b>				<b>\$1,781,829.00 *</b>	<b>\$1,840,456.60</b>		<b>\$1,884,090.30</b>	
<b>FAIRWAY FARMS SECTION 2 ALTERNATE B ITEMS</b>								
SUBTOTAL ALTERNATE B ITEM				<b>\$118,423.40</b>	<b>\$103,288.40</b>		<b>\$79,928.00</b>	
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE A &amp; B ITEMS</b>				<b>\$1,900,252.40 *</b>	<b>\$1,943,745.00</b>		<b>\$1,964,018.30</b>	
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE B ITEM</b>				<b>\$1,448,112.40 *</b>	<b>\$1,447,245.00</b>		<b>\$1,446,018.30</b>	



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 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT 480  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 SEPTEMBER 22, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 SEPTEMBER 22, 2020  
 JOB NUMBER 2457-2012D (9.2)

ITEM DESCRIPTION	UNIT	QTY	4) UNITAS CONSTRUCTION, INC.		5) TEXASITE, LLC		6) PRINCIPAL SERVICES, LTD		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>WATER ITEMS</b>									
1. 8" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS & BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	3,824	\$18.00	\$68,832.00	\$18.00	\$68,832.00	\$22.00	\$84,128.00	
2. 8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	497	\$27.00	\$13,419.00	\$29.00	\$14,413.00	\$31.00	\$15,407.00	
3. 14" STEEL CASING FOR 8" WATER LINE, INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	110	\$86.00	\$9,460.00	\$46.00	\$5,060.00	\$50.00	\$5,500.00	
4. TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	7,380	\$1.00	\$7,380.00	\$1.00	\$7,380.00	\$0.10	\$738.00	
5. 8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	9	\$900.00	\$8,100.00	\$1,050.00	\$9,450.00	\$942.00	\$8,478.00	
6. 8" AWWA GATE VALVE AND BOX WITH RESTRAINED JOINTS, COMPLETE IN PLACE	EA	5	\$980.00	\$4,900.00	\$1,100.00	\$5,500.00	\$1,030.00	\$5,150.00	
7. FLUSHING VALVE ASSEMBLY, ALL DEPTHS, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE AND BOX, AND LEAD PIPE, COMPLETE IN PLACE	EA	11	\$2,890.00	\$31,790.00	\$3,400.00	\$37,400.00	\$3,215.00	\$35,365.00	
8. 8" PLUG & CLAMP WITH 2' BLOW-OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	5	\$110.00	\$550.00	\$600.00	\$3,000.00	\$210.00	\$1,050.00	
9. WET CONNECTION OF PROPOSED 8" WATER LINE TO EXISTING WATER LINE INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, (ALL DEPTHS), COMPLETE IN PLACE	EA	2	\$150.00	\$300.00	\$300.00	\$600.00	\$350.00	\$700.00	
10. LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	43	\$1,040.00	\$44,720.00	\$1,300.00	\$55,900.00	\$1,015.00	\$43,645.00	
11. SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	24	\$700.00	\$16,800.00	\$500.00	\$12,000.00	\$513.00	\$12,312.00	
12. 2" AIR RELEASE VALVE ASSEMBLY FOR WATER LINE INCLUDES SERVICE MANHOLE, COMPLETE IN PLACE	EA	3	\$9,000.00	\$27,000.00	\$2,400.00	\$7,200.00	\$7,987.00	\$23,961.00	
13. ADJUST WATER VALVE AND BOX TO PROPOSED GRADE (ALL SIZES), COMPLETE IN PLACE	EA	2	\$525.00	\$1,050.00	\$100.00	\$200.00	\$250.00	\$500.00	
14. UTILITY SPOILS FROM CONSTRUCTION OF WATER ITEMS, PER CONSTRUCTION PLANS SHEET NO. 9, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	7,000	\$2.00	\$14,000.00	\$1.00	\$7,000.00	\$3.00	\$21,000.00	
15. DEWATERING FOR WATER LINE, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	250	\$22.00	\$5,500.00	\$22.00	\$5,500.00	\$22.00	\$5,500.00	
<b>SUBTOTAL WATER ITEMS</b>				<b>\$253,801.00</b>		<b>\$239,435.00</b>		<b>\$263,434.00</b>	
<b>SANITARY SEWER ITEMS</b>									
1. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, ALL CUTS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3,869	\$31.50	\$121,873.50	\$45.00	\$174,105.00	\$35.00	\$135,415.00	
2. LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, STACK, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	21	\$1,490.00	\$31,290.00	\$2,600.00	\$54,600.00	\$1,550.00	\$32,550.00	
3. SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, STACK, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	40	\$850.00	\$34,000.00	\$1,500.00	\$60,000.00	\$840.00	\$33,600.00	
4. TRENCH SAFETY SYSTEM FOR SANITARY SEWER, ALL DEPTHS AND SIZES, COMPLETE IN PLACE	LF	5,739	\$1.00	\$5,739.00	\$1.00	\$5,739.00	\$0.10	\$573.90	
5. VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	3,869	\$2.50	\$9,672.50	\$0.05	\$193.45	\$2.00	\$7,738.00	

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 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT 480  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 SEPTEMBER 22, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 SEPTEMBER 22, 2020  
 JOB NUMBER 2457-2012D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) UNITAS CONSTRUCTION, INC.		5) TEXASITE, LLC		6) PRINCIPAL SERVICES, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.	STANDARD 4' DIAMETER SANITARY SEWER MANHOLE, (0' - 8' DEPTH), INCLUDES PLASTIC INFLOW PROTECTOR AND ADJUSTMENTS, COMPLETE IN PLACE	EA	26	\$1,900.00	\$49,400.00	\$3,000.00	\$78,000.00	\$1,945.00	\$50,570.00
7.	EXTRA VERTICAL DEPTH FOR 4' DIAMETER SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	218	\$150.00	\$32,700.00	\$200.00	\$43,600.00	\$150.00	\$32,700.00
8.	CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,080.00	\$1,080.00	\$1,100.00	\$1,100.00	\$1,200.00	\$1,200.00
9.	STANDARD DROP ON EXISTING SANITARY SEWER MANHOLE FOR ALL PIPE SIZES, INCLUDES CORE INTO MANHOLE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,100.00	\$2,100.00	\$600.00	\$600.00	\$500.00	\$500.00
10.	CONSTRUCT SANITARY SEWER MANHOLE ON EXISTING LINE, INCLUDES REMOVAL AND OFFSITE DISPOSAL OF EXISTING 8" PLUG, PLASTIC INFLOW PROTECTOR, PROTECTIVE INTERIOR COATING, AND ADJUSTMENTS, DOES NOT INCLUDE MANHOLE, COMPLETE IN PLACE	EA	1	\$2,700.00	\$2,700.00	\$1,200.00	\$1,200.00	\$1,000.00	\$1,000.00
11.	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	7	\$435.00	\$3,045.00	\$500.00	\$3,500.00	\$480.00	\$3,360.00
12.	ADJUST EXISTING SANITARY SEWER MANHOLE TO FINAL GRADE, COMPLETE IN PLACE	EA	1	\$525.00	\$525.00	\$500.00	\$500.00	\$500.00	\$500.00
13.	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	700	\$15.00	\$10,500.00	\$15.00	\$10,500.00	\$15.00	\$10,500.00
14.	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$25.00	\$12,500.00
15.	UTILITY SPOILS FROM CONSTRUCTION OF SANITARY SEWER ITEMS, PER CONSTRUCTION PLANS SHEET NO. 9, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	10,000	\$2.00	\$20,000.00	\$1.00	\$10,000.00	\$3.00	\$30,000.00
16.	8" SANITARY SEWER PLUG, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$150.00	\$150.00	\$100.00	\$100.00	\$100.00	\$100.00
<b>SUBTOTAL SANITARY SEWER ITEMS</b>					<b>\$335,775.00</b>		<b>\$454,737.45</b>		<b>\$352,806.90</b>
<b>DRAINAGE FACILITIES ITEMS</b>									
1.	24" RCP STORM SEWER LEAD, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	785	\$62.00	\$48,670.00	\$59.00	\$46,315.00	\$73.00	\$57,305.00
2.	24" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1,894	\$58.00	\$109,852.00	\$58.00	\$109,852.00	\$63.00	\$119,322.00
3.	30" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	598	\$74.00	\$44,252.00	\$80.00	\$47,840.00	\$80.00	\$47,840.00
4.	36" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	351	\$107.00	\$37,557.00	\$115.00	\$40,365.00	\$113.00	\$39,663.00
5.	42" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	762	\$159.00	\$121,158.00	\$150.00	\$114,300.00	\$174.00	\$132,588.00
6.	48" CORRUGATED GALVANIZED METAL PIPE, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	87	\$115.00	\$10,005.00	\$125.00	\$10,875.00	\$151.00	\$13,137.00
7.	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	4,477	\$1.00	\$4,477.00	\$1.00	\$4,477.00	\$0.10	\$447.70
8.	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	4,477	\$2.50	\$11,192.50	\$0.01	\$44.77	\$2.00	\$8,954.00
9.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	37	\$3,300.00	\$122,100.00	\$2,900.00	\$107,300.00	\$2,995.00	\$110,815.00
10.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$9,000.00	\$9,000.00	\$4,000.00	\$4,000.00	\$2,839.00	\$2,839.00



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 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT 480  
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ITEM	DESCRIPTION	UNIT	QTY	4) UNITAS CONSTRUCTION, INC.		5) TEXASITE, LLC		6) PRINCIPAL SERVICES, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11.	STAGE I - REINFORCED CONCRETE TYPE "C" INLET, (5' OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	25	\$1,110.00	\$27,750.00	\$1,000.00	\$25,000.00	\$929.00	\$23,225.00
12.	STAGE II - REINFORCED CONCRETE TYPE "C" INLET, (5' OPENING), ALL DEPTHS, COMPLETE IN PLACE	EA	25	\$1,300.00	\$32,500.00	\$1,000.00	\$25,000.00	\$1,233.00	\$30,825.00
13.	STAGE I - REINFORCED CONCRETE TYPE "C-1" INLET (5' OPENING ADDED ON ONE SIDE FOR TOTAL 10' OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	9	\$1,115.00	\$10,035.00	\$1,000.00	\$9,000.00	\$980.00	\$8,820.00
14.	STAGE II - REINFORCED CONCRETE TYPE "C-1" INLET (5' OPENING ADDED ON ONE SIDE FOR TOTAL 10' OPENING), ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$1,970.00	\$17,730.00	\$1,800.00	\$16,200.00	\$1,669.00	\$15,021.00
15.	REINFORCED CONCRETE TYPE "E" INLET, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$1,840.00	\$5,520.00	\$2,600.00	\$7,800.00	\$1,677.00	\$5,031.00
16.	BREAK INTO EXISTING STORM SEWER MANHOLE WITH TYPE "E" INLET TOP AND CONNECT PROPOSED 42" STORM SEWER, INCLUDES APPURTENANCES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,050.00	\$1,050.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00
17.	OUTFALL STRUCTURE FOR 48" C.G.M.P. PIPE, INCLUDES 5" REINFORCED CONCRETE SLOPE PAVEMENT TO EXISTING PILOT CHANNEL, SLOPED END TREATMENT, CUT PIPE FLUSH WITH SLOPE PAVEMENT, RESTORING DRY DETENTION POND SIDE SLOPE TO ORIGINAL CONDITION, AND ALL APPURTENANCES, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$13,578.50	\$13,578.50	\$11,000.00	\$11,000.00	\$26,307.00	\$26,307.00
18.	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	300	\$15.00	\$4,500.00	\$15.00	\$4,500.00	\$15.00	\$4,500.00
19.	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$25.00	\$12,500.00
20.	UTILITY SPOILS FROM CONSTRUCTION OF STORM SEWER ITEMS, PER CONSTRUCTION PLANS SHEET NO. 9, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	20,000	\$2.50	\$50,000.00	\$1.00	\$20,000.00	\$3.00	\$60,000.00
21.	LOT DRAINAGE SWALE, TO BE INSTALLED WITH STAGE II, COMPLETE IN PLACE	LF	14,995	\$2.50	\$37,487.50	\$3.00	\$44,985.00	\$4.50	\$67,477.50
22.	DRAINAGE SWALES AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	5,200	\$2.50	\$13,000.00	\$2.00	\$10,400.00	\$3.50	\$18,200.00
<b>SUBTOTAL DRAINAGE FACILITIES ITEMS</b>					<b>\$742,414.50</b>		<b>\$670,753.77</b>		<b>\$805,817.20</b>
<b>MISCELLANEOUS ITEMS</b>									
1.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS, COMPLETE IN PLACE	LS	1	\$1,050.00	\$1,050.00	\$800.00	\$800.00	\$350.00	\$350.00
2.	INSTALL, MAINTAIN, AND REMOVE CONCRETE WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$1,050.00	\$1,050.00	\$25.00	\$25.00	\$500.00	\$500.00
3.	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$1,575.00	\$1,575.00	\$200.00	\$200.00	\$1,500.00	\$1,500.00
4.	MAINTAIN AND REMOVE EXISTING CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$525.00	\$525.00	\$100.00	\$100.00	\$500.00	\$500.00
5.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	13,056	\$1.25	\$16,320.00	\$0.05	\$652.80	\$1.15	\$15,014.40
6.	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	40	\$52.00	\$2,080.00	\$20.00	\$800.00	\$50.00	\$2,000.00
7.	CRUSHED STONE SUPPORT FOR MANHOLE IN UNSTABLE SUBGRADE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	2	\$525.00	\$1,050.00	\$50.00	\$100.00	\$500.00	\$1,000.00
8.	BROADCAST SEEDING, INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	5.4	\$1,050.00	\$5,670.00	\$350.00	\$1,890.00	\$550.00	\$2,970.00
9.	HYDROMULCH SEEDING AND FINE GRADING, INCLUDES WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	1.5	\$1,575.00	\$2,362.50	\$1,200.00	\$1,800.00	\$1,150.00	\$1,725.00

**BID TABULATION FOR:**

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CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES  
 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT 480  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 SEPTEMBER 22, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 SEPTEMBER 22, 2020  
 JOB NUMBER 2457-2012D (9.2)

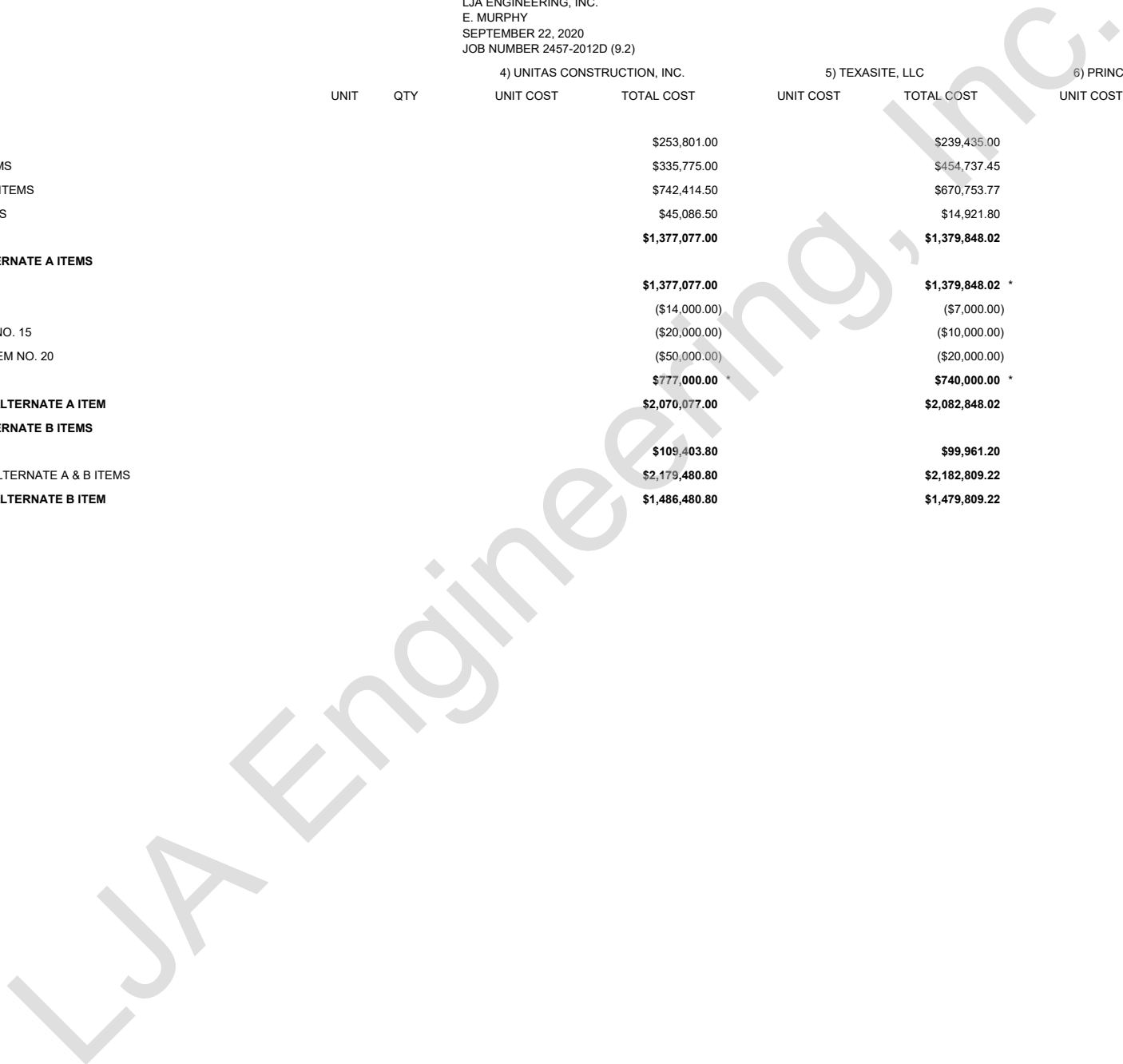
ITEM	DESCRIPTION	UNIT	QTY	4) UNITAS CONSTRUCTION, INC.		5) TEXASITE, LLC		6) PRINCIPAL SERVICES, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10.	REMOVE AND REPLACE EXISTING FENCE, AS NEEDED FOR CONSTRUCTION, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
11.	REMOVE AND OFFSITE DISPOSAL OF EXISTING TREE AND ROOT BALL WITHIN UTILITY EASEMENTS, (ALL SIZES), (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	10	\$1,050.00	\$10,500.00	\$375.00	\$3,750.00	\$300.00	\$3,000.00
12.	EXTRA CEMENT STABILIZED SAND BACKFILL, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
13.	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	67	\$12.00	\$804.00	\$12.00	\$804.00	\$12.00	\$804.00
<b>SUBTOTAL MISCELLANEOUS ITEMS</b>					<b>\$45,086.50</b>		<b>\$14,921.80</b>		<b>\$33,363.40</b>
<b>ALTERNATE A ITEM</b>									
1.	HAUL AND DISPOSE OF UTILITY SPOILS, OUTSIDE THE DEVELOPMENT IN A LEGAL MANNER, INCLUDES ALL PERMIT AND DISPOSAL FEES, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), (TO BE USED IN LIEU OF WATER ITEM NO. 14, SANITARY SEWER ITEM NO. 15, AND DRAINAGE FACILITIES ITEM NO. 20) COMPLETE IN PLACE	CY	37,000	\$21.00	\$777,000.00	\$20.00	\$740,000.00	\$20.00	\$740,000.00
<b>SUBTOTAL ALTERNATE A ITEM</b>					<b>\$777,000.00</b>		<b>\$740,000.00</b>		<b>\$740,000.00</b>
<b>ALTERNATE B ITEMS</b>									
1.	12" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, INSTALLED WITH STAGE I OR STAGE II, COMPLETE IN PLACE	LF	640	\$25.00	\$16,000.00	\$24.00	\$15,360.00	\$35.00	\$22,400.00
2.	15" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, INSTALLED WITH STAGE I OR STAGE II, COMPLETE IN PLACE	LF	295	\$32.00	\$9,440.00	\$28.00	\$8,260.00	\$38.00	\$11,210.00
3.	18" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, INSTALLED WITH STAGE I OR STAGE II, COMPLETE IN PLACE	LF	288	\$35.00	\$10,080.00	\$32.00	\$9,216.00	\$40.00	\$11,520.00
4.	18" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	191	\$51.00	\$9,741.00	\$49.00	\$9,359.00	\$60.00	\$11,460.00
5.	REINFORCED CONCRETE TYPE "A" INLET WITH FRAME AND MODIFIED ATRIUM GRATE, ALL DEPTHS, COMPLETE IN PLACE	EA	30	\$1,800.00	\$54,000.00	\$1,800.00	\$54,000.00	\$1,700.00	\$51,000.00
6.	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1,444	\$1.05	\$1,516.20	\$1.00	\$1,444.00	\$0.10	\$144.40
7.	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	1,444	\$2.65	\$3,826.60	\$0.05	\$72.20	\$2.00	\$2,888.00
8.	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	30	\$160.00	\$4,800.00	\$75.00	\$2,250.00	\$50.00	\$1,500.00
<b>SUBTOTAL ALTERNATE B ITEMS</b>					<b>\$109,403.80</b>		<b>\$99,961.20</b>		<b>\$112,122.40</b>

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 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT 480  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 SEPTEMBER 22, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 SEPTEMBER 22, 2020  
 JOB NUMBER 2457-2012D (9.2)

ITEM DESCRIPTION	UNIT	QTY	4) UNITAS CONSTRUCTION, INC.		5) TEXASITE, LLC		6) PRINCIPAL SERVICES, LTD	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>BID SUMMARY</b>								
SUBTOTAL WATER ITEMS				\$253,801.00		\$239,435.00		\$263,434.00
SUBTOTAL SANITARY SEWER ITEMS				\$335,775.00		\$454,737.45		\$352,806.90
SUBTOTAL DRAINAGE FACILITIES ITEMS				\$742,414.50		\$670,753.77		\$805,817.20
SUBTOTAL MISCELLANEOUS ITEMS				\$45,086.50		\$14,921.80		\$33,363.40
<b>TOTAL AMOUNT BID</b>				<b>\$1,377,077.00</b>		<b>\$1,379,848.02</b>		<b>\$1,455,421.50</b>
<b>FAIRWAY FARMS SECTION 2 ALTERNATE A ITEMS</b>								
<b>TOTAL AMOUNT BID</b>				<b>\$1,377,077.00</b>		<b>\$1,379,848.02 *</b>		<b>\$1,455,421.50</b>
DEDUCT WATER ITEM NO. 14				(\$14,000.00)		(\$7,000.00)		(\$21,000.00)
DEDUCT SANITARY SEWER ITEM NO. 15				(\$20,000.00)		(\$10,000.00)		(\$30,000.00)
DEDUCT DRAINAGE FACILITIES ITEM NO. 20				(\$50,000.00)		(\$20,000.00)		(\$60,000.00)
SUBTOTAL ALTERNATE A ITEM				<b>\$777,000.00 *</b>		<b>\$740,000.00 *</b>		<b>\$740,000.00 *</b>
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE A ITEM</b>				<b>\$2,070,077.00</b>		<b>\$2,082,848.02</b>		<b>\$2,084,421.50</b>
<b>FAIRWAY FARMS SECTION 2 ALTERNATE B ITEMS</b>								
SUBTOTAL ALTERNATE B ITEM				<b>\$109,403.80</b>		<b>\$99,961.20</b>		<b>\$112,122.40</b>
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE A &amp; B ITEMS</b>				<b>\$2,179,480.80</b>		<b>\$2,182,809.22</b>		<b>\$2,196,543.90</b>
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE B ITEM</b>				<b>\$1,486,480.80</b>		<b>\$1,479,809.22</b>		<b>\$1,567,543.90</b>



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 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT 480  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 SEPTEMBER 22, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 SEPTEMBER 22, 2020  
 JOB NUMBER 2457-2012D (9.2)

ITEM DESCRIPTION	UNIT	QTY	7) KENNETH LAMB CONSTRUCTION LTD		8) C.E. BARKER, LTD.		9) HARRIS CONSTRUCTION COMPANY, LTD		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>WATER ITEMS</b>									
1. 8" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS & BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	3,824	\$24.00	\$91,776.00	\$17.83	\$68,181.92	\$20.00	\$76,480.00	
2. 8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	497	\$40.00	\$19,880.00	\$30.86	\$15,337.42	\$32.00	\$15,904.00	
3. 14" STEEL CASING FOR 8" WATER LINE, INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	110	\$45.00	\$4,950.00	\$52.61	\$5,787.10	\$85.00	\$9,350.00	
4. TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	7,380	\$1.00	\$7,380.00	\$0.11	\$811.80	\$0.25	\$1,845.00	
5. 8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	9	\$1,060.00	\$9,540.00	\$972.34	\$8,751.06	\$1,025.00	\$9,225.00	
6. 8" AWWA GATE VALVE AND BOX WITH RESTRAINED JOINTS, COMPLETE IN PLACE	EA	5	\$1,202.00	\$6,010.00	\$968.75	\$4,843.75	\$1,400.00	\$7,000.00	
7. FLUSHING VALVE ASSEMBLY, ALL DEPTHS, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE AND BOX, AND LEAD PIPE, COMPLETE IN PLACE	EA	11	\$3,606.00	\$39,666.00	\$3,713.64	\$40,850.04	\$3,750.00	\$41,250.00	
8. 8" PLUG & CLAMP WITH 2' BLOW-OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	5	\$1,137.00	\$5,685.00	\$464.34	\$2,321.70	\$500.00	\$2,500.00	
9. WET CONNECTION OF PROPOSED 8" WATER LINE TO EXISTING WATER LINE INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, (ALL DEPTHS), COMPLETE IN PLACE	EA	2	\$610.00	\$1,220.00	\$555.81	\$1,111.62	\$250.00	\$500.00	
10. LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	43	\$988.00	\$42,484.00	\$1,440.54	\$61,943.22	\$1,150.00	\$49,450.00	
11. SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	24	\$572.00	\$13,728.00	\$838.53	\$20,124.72	\$475.00	\$11,400.00	
12. 2" AIR RELEASE VALVE ASSEMBLY FOR WATER LINE INCLUDES SERVICE MANHOLE, COMPLETE IN PLACE	EA	3	\$5,308.00	\$15,924.00	\$3,192.59	\$9,577.77	\$10,975.00	\$32,925.00	
13. ADJUST WATER VALVE AND BOX TO PROPOSED GRADE (ALL SIZES), COMPLETE IN PLACE	EA	2	\$150.00	\$300.00	\$571.20	\$1,142.40	\$175.00	\$350.00	
14. UTILITY SPOILS FROM CONSTRUCTION OF WATER ITEMS, PER CONSTRUCTION PLANS SHEET NO. 9, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	7,000	\$2.00	\$14,000.00	\$4.68	\$32,760.00	\$2.50	\$17,500.00	
15. DEWATERING FOR WATER LINE, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	250	\$22.00	\$5,500.00	\$22.00	\$5,500.00	\$22.00	\$5,500.00	
<b>SUBTOTAL WATER ITEMS</b>				<b>\$278,043.00</b>		<b>\$279,044.52</b>		<b>\$281,179.00</b>	
<b>SANITARY SEWER ITEMS</b>									
1. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, ALL CUTS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3,869	\$36.00	\$139,284.00	\$37.23	\$144,042.87	\$35.00	\$135,415.00	
2. LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, STACK, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	21	\$1,466.00	\$30,786.00	\$2,580.50	\$54,190.50	\$1,975.00	\$41,475.00	
3. SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, STACK, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	40	\$667.00	\$26,680.00	\$1,033.55	\$41,342.00	\$575.00	\$23,000.00	
4. TRENCH SAFETY SYSTEM FOR SANITARY SEWER, ALL DEPTHS AND SIZES, COMPLETE IN PLACE	LF	5,739	\$1.00	\$5,739.00	\$0.11	\$631.29	\$0.25	\$1,434.75	
5. VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	3,869	\$3.00	\$11,607.00	\$0.01	\$38.69	\$4.00	\$15,476.00	

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 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT 480  
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ITEM	DESCRIPTION	UNIT	QTY	7) KENNETH LAMB CONSTRUCTION LTD		8) C.E. BARKER, LTD.		9) HARRIS CONSTRUCTION COMPANY, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.	STANDARD 4' DIAMETER SANITARY SEWER MANHOLE, (0' - 8' DEPTH), INCLUDES PLASTIC INFLOW PROTECTOR AND ADJUSTMENTS, COMPLETE IN PLACE	EA	26	\$2,502.00	\$65,052.00	\$1,841.91	\$47,889.66	\$4,300.00	\$111,800.00
7.	EXTRA VERTICAL DEPTH FOR 4' DIAMETER SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	218	\$200.00	\$43,600.00	\$144.71	\$31,546.78	\$395.00	\$86,110.00
8.	CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,302.00	\$1,302.00	\$1,064.17	\$1,064.17	\$995.00	\$995.00
9.	STANDARD DROP ON EXISTING SANITARY SEWER MANHOLE FOR ALL PIPE SIZES, INCLUDES CORE INTO MANHOLE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,149.00	\$1,149.00	\$1,894.35	\$1,894.35	\$2,550.00	\$2,550.00
10.	CONSTRUCT SANITARY SEWER MANHOLE ON EXISTING LINE, INCLUDES REMOVAL AND OFFSITE DISPOSAL OF EXISTING 8" PLUG, PLASTIC INFLOW PROTECTOR, PROTECTIVE INTERIOR COATING, AND ADJUSTMENTS, DOES NOT INCLUDE MANHOLE, COMPLETE IN PLACE	EA	1	\$6,215.00	\$6,215.00	\$2,325.10	\$2,325.10	\$5,000.00	\$5,000.00
11.	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	7	\$802.00	\$5,614.00	\$868.32	\$6,078.24	\$463.82	\$3,246.74
12.	ADJUST EXISTING SANITARY SEWER MANHOLE TO FINAL GRADE, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$571.20	\$571.20	\$600.00	\$600.00
13.	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	700	\$15.00	\$10,500.00	\$15.00	\$10,500.00	\$15.00	\$10,500.00
14.	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$22.00	\$11,000.00
15.	UTILITY SPOILS FROM CONSTRUCTION OF SANITARY SEWER ITEMS, PER CONSTRUCTION PLANS SHEET NO. 9, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	10,000	\$2.00	\$20,000.00	\$4.68	\$46,800.00	\$2.50	\$25,000.00
16.	8" SANITARY SEWER PLUG, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$200.00	\$200.00	\$178.03	\$178.03	\$100.00	\$100.00
<b>SUBTOTAL SANITARY SEWER ITEMS</b>					<b>\$379,228.00</b>		<b>\$400,092.88</b>		<b>\$473,702.49</b>
<b>DRAINAGE FACILITIES ITEMS</b>									
1.	24" RCP STORM SEWER LEAD, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	785	\$64.00	\$50,240.00	\$82.79	\$64,990.15	\$77.00	\$60,445.00
2.	24" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1,894	\$58.00	\$109,852.00	\$75.17	\$142,371.98	\$67.00	\$126,898.00
3.	30" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	598	\$72.00	\$43,056.00	\$91.40	\$54,657.20	\$87.00	\$52,026.00
4.	36" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	351	\$106.00	\$37,206.00	\$123.07	\$43,197.57	\$120.00	\$42,120.00
5.	42" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	762	\$155.00	\$118,110.00	\$156.20	\$119,024.40	\$173.00	\$131,826.00
6.	48" CORRUGATED GALVANIZED METAL PIPE, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	87	\$133.00	\$11,571.00	\$129.37	\$11,255.19	\$175.00	\$15,225.00
7.	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	4,477	\$1.00	\$4,477.00	\$0.11	\$492.47	\$0.25	\$1,119.25
8.	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	4,477	\$5.00	\$22,385.00	\$0.01	\$44.77	\$4.00	\$17,908.00
9.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	37	\$3,150.00	\$116,550.00	\$2,738.75	\$101,333.75	\$3,200.00	\$118,400.00
10.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,502.00	\$3,502.00	\$6,108.83	\$6,108.83	\$7,150.00	\$7,150.00

**BID TABULATION FOR:**

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CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES  
 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT 480  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 SEPTEMBER 22, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 SEPTEMBER 22, 2020  
 JOB NUMBER 2457-2012D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	7) KENNETH LAMB CONSTRUCTION LTD		8) C.E. BARKER, LTD.		9) HARRIS CONSTRUCTION COMPANY, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11.	STAGE I - REINFORCED CONCRETE TYPE "C" INLET, (5' OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	25	\$1,002.00	\$25,050.00	\$1,416.58	\$35,414.50	\$1,150.00	\$28,750.00
12.	STAGE II - REINFORCED CONCRETE TYPE "C" INLET, (5' OPENING), ALL DEPTHS, COMPLETE IN PLACE	EA	25	\$1,802.00	\$45,050.00	\$1,256.64	\$31,416.00	\$1,450.00	\$36,250.00
13.	STAGE I - REINFORCED CONCRETE TYPE "C-1" INLET (5' OPENING ADDED ON ONE SIDE FOR TOTAL 10' OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	9	\$1,002.00	\$9,018.00	\$1,416.58	\$12,749.22	\$1,200.00	\$10,800.00
14.	STAGE II - REINFORCED CONCRETE TYPE "C-1" INLET (5' OPENING ADDED ON ONE SIDE FOR TOTAL 10' OPENING), ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$2,826.00	\$25,434.00	\$1,485.12	\$13,366.08	\$2,250.00	\$20,250.00
15.	REINFORCED CONCRETE TYPE "E" INLET, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$3,002.00	\$9,006.00	\$2,627.52	\$7,882.56	\$3,650.00	\$10,950.00
16.	BREAK INTO EXISTING STORM SEWER MANHOLE WITH TYPE "E" INLET TOP AND CONNECT PROPOSED 42" STORM SEWER, INCLUDES APPURTENANCES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$1,713.60	\$1,713.60	\$500.00	\$500.00
17.	OUTFALL STRUCTURE FOR 48" C.G.M.P. PIPE, INCLUDES 5" REINFORCED CONCRETE SLOPE PAVEMENT TO EXISTING PILOT CHANNEL, SLOPED END TREATMENT, CUT PIPE FLUSH WITH SLOPE PAVEMENT, RESTORING DRY DETENTION POND SIDE SLOPE TO ORIGINAL CONDITION, AND ALL APPURTENANCES, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$12,500.00	\$12,500.00	\$23,158.04	\$23,158.04	\$17,950.00	\$17,950.00
18.	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	300	\$15.00	\$4,500.00	\$15.00	\$4,500.00	\$15.00	\$4,500.00
19.	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$22.00	\$11,000.00
20.	UTILITY SPOILS FROM CONSTRUCTION OF STORM SEWER ITEMS, PER CONSTRUCTION PLANS SHEET NO. 9, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	20,000	\$2.00	\$40,000.00	\$4.68	\$93,600.00	\$2.50	\$50,000.00
21.	LOT DRAINAGE SWALE, TO BE INSTALLED WITH STAGE II, COMPLETE IN PLACE	LF	14,995	\$3.00	\$44,985.00	\$4.72	\$70,776.40	\$2.50	\$37,487.50
22.	DRAINAGE SWALES AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	5,200	\$2.00	\$10,400.00	\$4.72	\$24,544.00	\$2.50	\$13,000.00
<b>SUBTOTAL DRAINAGE FACILITIES ITEMS</b>					<b>\$754,392.00</b>		<b>\$873,596.71</b>		<b>\$814,554.75</b>
<b>MISCELLANEOUS ITEMS</b>									
1.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$571.20	\$571.20	\$1,200.00	\$1,200.00
2.	INSTALL, MAINTAIN, AND REMOVE CONCRETE WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$150.00	\$150.00	\$1,142.40	\$1,142.40	\$1,000.00	\$1,000.00
3.	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$3,038.78	\$3,038.78	\$2,000.00	\$2,000.00
4.	MAINTAIN AND REMOVE EXISTING CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$571.20	\$571.20	\$1,000.00	\$1,000.00
5.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	13,056	\$1.25	\$16,320.00	\$1.43	\$18,670.08	\$1.40	\$18,278.40
6.	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	40	\$100.00	\$4,000.00	\$57.12	\$2,284.80	\$50.00	\$2,000.00
7.	CRUSHED STONE SUPPORT FOR MANHOLE IN UNSTABLE SUBGRADE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$411.26	\$822.52	\$500.00	\$1,000.00
8.	BROADCAST SEEDING, INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	5.4	\$750.00	\$4,050.00	\$742.67	\$4,010.42	\$850.00	\$4,590.00
9.	HYDROMULCH SEEDING AND FINE GRADING, INCLUDES WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	1.5	\$1,400.00	\$2,100.00	\$1,770.83	\$2,656.25	\$2,100.00	\$3,150.00

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 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT 480  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 SEPTEMBER 22, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 SEPTEMBER 22, 2020  
 JOB NUMBER 2457-2012D (9.2)

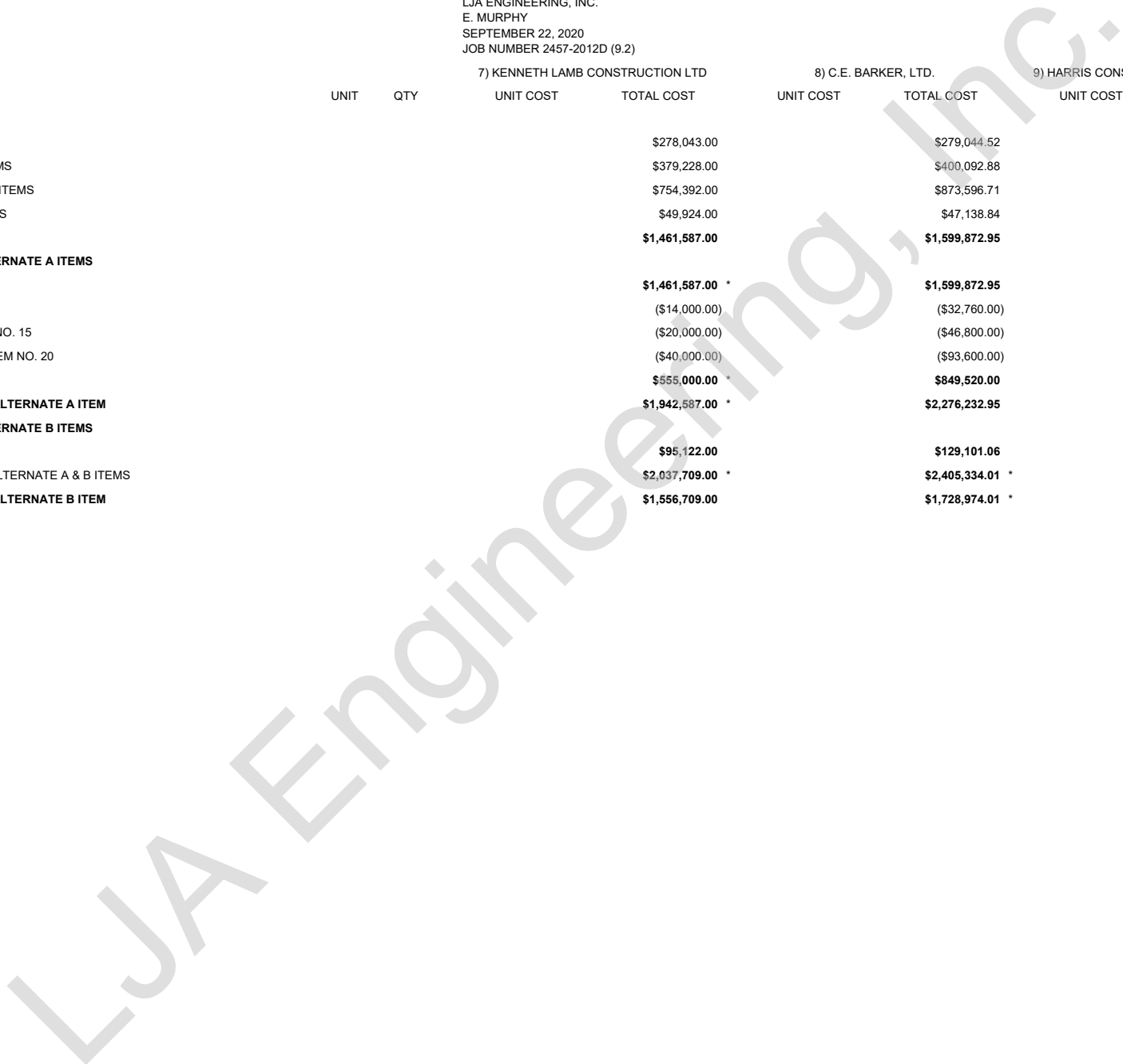
ITEM	DESCRIPTION	UNIT	QTY	7) KENNETH LAMB CONSTRUCTION LTD		8) C.E. BARKER, LTD.		9) HARRIS CONSTRUCTION COMPANY, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10.	REMOVE AND REPLACE EXISTING FENCE, AS NEEDED FOR CONSTRUCTION, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	100	\$125.00	\$12,500.00	\$14.28	\$1,428.00	\$100.00	\$10,000.00
11.	REMOVE AND OFFSITE DISPOSAL OF EXISTING TREE AND ROOT BALL WITHIN UTILITY EASEMENTS, (ALL SIZES), (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	10	\$300.00	\$3,000.00	\$913.92	\$9,139.20	\$500.00	\$5,000.00
12.	EXTRA CEMENT STABILIZED SAND BACKFILL, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
13.	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	67	\$12.00	\$804.00	\$12.00	\$804.00	\$12.00	\$804.00
<b>SUBTOTAL MISCELLANEOUS ITEMS</b>					<b>\$49,924.00</b>		<b>\$47,138.84</b>		<b>\$52,022.40</b>
<b>ALTERNATE A ITEM</b>									
1.	HAUL AND DISPOSE OF UTILITY SPOILS, OUTSIDE THE DEVELOPMENT IN A LEGAL MANNER, INCLUDES ALL PERMIT AND DISPOSAL FEES, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), (TO BE USED IN LIEU OF WATER ITEM NO. 14, SANITARY SEWER ITEM NO. 15, AND DRAINAGE FACILITIES ITEM NO. 20) COMPLETE IN PLACE	CY	37,000	\$15.00	\$555,000.00	\$22.96	\$849,520.00	\$14.00	\$518,000.00
<b>SUBTOTAL ALTERNATE A ITEM</b>					<b>\$555,000.00</b>		<b>\$849,520.00</b>		<b>\$518,000.00</b>
<b>ALTERNATE B ITEMS</b>									
1.	12" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, INSTALLED WITH STAGE I OR STAGE II, COMPLETE IN PLACE	LF	640	\$26.00	\$16,640.00	\$33.11	\$21,190.40	\$34.80	\$22,272.00
2.	15" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, INSTALLED WITH STAGE I OR STAGE II, COMPLETE IN PLACE	LF	295	\$29.00	\$8,555.00	\$36.74	\$10,838.30	\$39.50	\$11,652.50
3.	18" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, INSTALLED WITH STAGE I OR STAGE II, COMPLETE IN PLACE	LF	288	\$32.00	\$9,216.00	\$40.84	\$11,761.92	\$44.00	\$12,672.00
4.	18" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	191	\$47.00	\$8,977.00	\$59.96	\$11,452.36	\$60.50	\$11,555.50
5.	REINFORCED CONCRETE TYPE "A" INLET WITH FRAME AND MODIFIED ATRIUM GRATE, ALL DEPTHS, COMPLETE IN PLACE	EA	30	\$1,506.00	\$45,180.00	\$2,399.04	\$71,971.20	\$2,205.00	\$66,150.00
6.	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1,444	\$1.00	\$1,444.00	\$0.11	\$158.84	\$0.25	\$361.00
7.	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	1,444	\$2.50	\$3,610.00	\$0.01	\$14.44	\$4.00	\$5,776.00
8.	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	30	\$50.00	\$1,500.00	\$57.12	\$1,713.60	\$50.00	\$1,500.00
<b>SUBTOTAL ALTERNATE B ITEMS</b>					<b>\$95,122.00</b>		<b>\$129,101.06</b>		<b>\$131,939.00</b>

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CONSTRUCTION OF THE WATER, SANITARY SEWER, AND DRAINAGE FACILITIES  
 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT 480  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 SEPTEMBER 22, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 SEPTEMBER 22, 2020  
 JOB NUMBER 2457-2012D (9.2)

ITEM DESCRIPTION	UNIT	QTY	7) KENNETH LAMB CONSTRUCTION LTD		8) C.E. BARKER, LTD.		9) HARRIS CONSTRUCTION COMPANY, LTD	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>BID SUMMARY</b>								
SUBTOTAL WATER ITEMS				\$278,043.00	\$279,044.52			\$281,179.00
SUBTOTAL SANITARY SEWER ITEMS				\$379,228.00	\$400,092.88			\$473,702.49
SUBTOTAL DRAINAGE FACILITIES ITEMS				\$754,392.00	\$873,596.71			\$814,554.75
SUBTOTAL MISCELLANEOUS ITEMS				\$49,924.00	\$47,138.84			\$52,022.40
<b>TOTAL AMOUNT BID</b>				<b>\$1,461,587.00</b>	<b>\$1,599,872.95</b>			<b>\$1,621,458.64</b>
<b>FAIRWAY FARMS SECTION 2 ALTERNATE A ITEMS</b>								
<b>TOTAL AMOUNT BID</b>				<b>\$1,461,587.00 *</b>	<b>\$1,599,872.95</b>			<b>\$1,621,458.64</b>
DEDUCT WATER ITEM NO. 14				(\$14,000.00)	(\$32,760.00)			(\$17,500.00)
DEDUCT SANITARY SEWER ITEM NO. 15				(\$20,000.00)	(\$46,800.00)			(\$25,000.00)
DEDUCT DRAINAGE FACILITIES ITEM NO. 20				(\$40,000.00)	(\$93,600.00)			(\$50,000.00)
SUBTOTAL ALTERNATE A ITEM				<b>\$555,000.00 *</b>	<b>\$849,520.00</b>			<b>\$518,000.00</b>
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE A ITEM</b>				<b>\$1,942,587.00 *</b>	<b>\$2,276,232.95</b>			<b>\$2,046,958.64</b>
<b>FAIRWAY FARMS SECTION 2 ALTERNATE B ITEMS</b>								
SUBTOTAL ALTERNATE B ITEM				<b>\$95,122.00</b>	<b>\$129,101.06</b>			<b>\$131,939.00</b>
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE A &amp; B ITEMS</b>				<b>\$2,037,709.00 *</b>	<b>\$2,405,334.01 *</b>			<b>\$2,178,897.64</b>
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE B ITEM</b>				<b>\$1,556,709.00</b>	<b>\$1,728,974.01 *</b>			<b>\$1,753,397.64</b>





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 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRI  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TI  
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 LJA ENGINEERING, INC.  
 E. MURPHY  
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10) TRIPLE B SERVICES, LLP

ITEM DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
<b>WATER ITEMS</b>				
1. 8" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS & BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	3,824	\$23.00	\$87,952.00
2. 8" PVC RESTRAINED JOINT WATER LINE, C-900, DR 18, CLASS 235, INCLUDES RESTRAINED JOINT FITTINGS, BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	497	\$34.00	\$16,898.00
3. 14" STEEL CASING FOR 8" WATER LINE, INCLUDES SPACERS AND END SEALS, COMPLETE IN PLACE	LF	110	\$35.00	\$3,850.00
4. TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	7,380	\$0.01	\$73.80
5. 8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	9	\$1,250.00	\$11,250.00
6. 8" AWWA GATE VALVE AND BOX WITH RESTRAINED JOINTS, COMPLETE IN PLACE	EA	5	\$1,525.00	\$7,625.00
7. FLUSHING VALVE ASSEMBLY, ALL DEPTHS, INCLUDES APPROPRIATE TEE, FITTINGS, 6" GATE VALVE AND BOX, AND LEAD PIPE, COMPLETE IN PLACE	EA	11	\$3,425.00	\$37,675.00
8. 8" PLUG & CLAMP WITH 2" BLOW-OFF VALVE AND BOX ASSEMBLY, COMPLETE IN PLACE	EA	5	\$700.00	\$3,500.00
9. WET CONNECTION OF PROPOSED 8" WATER LINE TO EXISTING WATER LINE INCLUDES FITTINGS, ALL ADAPTERS AND CONNECTORS NECESSARY, (ALL DEPTHS), COMPLETE IN PLACE	EA	2	\$800.00	\$1,600.00
10. LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	43	\$1,470.00	\$63,210.00
11. SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9), WATER SERVICE INCLUDES METER BOX, CURB STOP, ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	24	\$1,060.00	\$25,440.00
12. 2" AIR RELEASE VALVE ASSEMBLY FOR WATER LINE INCLUDES SERVICE MANHOLE, COMPLETE IN PLACE	EA	3	\$3,290.00	\$9,870.00
13. ADJUST WATER VALVE AND BOX TO PROPOSED GRADE (ALL SIZES), COMPLETE IN PLACE	EA	2	\$115.00	\$230.00
14. UTILITY SPOILS FROM CONSTRUCTION OF WATER ITEMS, PER CONSTRUCTION PLANS SHEET NO. 9, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	7,000	\$6.00	\$42,000.00
15. DEWATERING FOR WATER LINE, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	250	\$22.00	\$5,500.00
<b>SUBTOTAL WATER ITEMS</b>				<b>\$316,673.80</b>
<b>SANITARY SEWER ITEMS</b>				
1. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, ALL CUTS, INCLUDES BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	3,869	\$50.00	\$193,450.00
2. LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, STACK, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	21	\$2,380.00	\$49,980.00
3. SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEAD, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDES PIPE, CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, STACK, MARKER, AND ANY NECESSARY FITTINGS, COMPLETE IN PLACE	EA	40	\$1,450.00	\$58,000.00
4. TRENCH SAFETY SYSTEM FOR SANITARY SEWER, ALL DEPTHS AND SIZES, COMPLETE IN PLACE	LF	5,739	\$0.01	\$57.39
5. VIDEO INSPECTION OF SANITARY SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	3,869	\$3.50	\$13,541.50

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10) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
6.	STANDARD 4' DIAMETER SANITARY SEWER MANHOLE, (0' - 8' DEPTH), INCLUDES PLASTIC INFLOW PROTECTOR AND ADJUSTMENTS, COMPLETE IN PLACE	EA	26	\$3,300.00	\$85,800.00
7.	EXTRA VERTICAL DEPTH FOR 4' DIAMETER SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	218	\$105.00	\$22,890.00
8.	CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT PROPOSED 8" SANITARY SEWER LINE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,370.00	\$1,370.00
9.	STANDARD DROP ON EXISTING SANITARY SEWER MANHOLE FOR ALL PIPE SIZES, INCLUDES CORE INTO MANHOLE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,580.00	\$2,580.00
10.	CONSTRUCT SANITARY SEWER MANHOLE ON EXISTING LINE, INCLUDES REMOVAL AND OFFSITE DISPOSAL OF EXISTING 8" PLUG, PLASTIC INFLOW PROTECTOR, PROTECTIVE INTERIOR COATING, AND ADJUSTMENTS, DOES NOT INCLUDE MANHOLE, COMPLETE IN PLACE	EA	1	\$3,770.00	\$3,770.00
11.	STANDARD SANITARY SEWER DROP STRUCTURE, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	EA	7	\$300.00	\$2,100.00
12.	ADJUST EXISTING SANITARY SEWER MANHOLE TO FINAL GRADE, COMPLETE IN PLACE	EA	1	\$280.00	\$280.00
13.	ADDITIONAL COST FOR SANITARY SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	700	\$15.00	\$10,500.00
14.	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00
15.	UTILITY SPOILS FROM CONSTRUCTION OF SANITARY SEWER ITEMS, PER CONSTRUCTION PLANS SHEET NO. 9, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	10,000	\$5.25	\$52,500.00
16.	8" SANITARY SEWER PLUG, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$540.00	\$540.00

**SUBTOTAL SANITARY SEWER ITEMS**

**\$508,358.89**

**DRAINAGE FACILITIES ITEMS**

1.	24" RCP STORM SEWER LEAD, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	785	\$93.00	\$73,005.00
2.	24" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	1,894	\$86.50	\$163,831.00
3.	30" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	598	\$115.00	\$68,770.00
4.	36" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	351	\$130.00	\$45,630.00
5.	42" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	762	\$200.00	\$152,400.00
6.	48" CORRUGATED GALVANIZED METAL PIPE, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	87	\$125.00	\$10,875.00
7.	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	4,477	\$0.01	\$44.77
8.	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	4,477	\$3.45	\$15,445.65
9.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	37	\$4,135.00	\$152,995.00
10.	REINFORCED CONCRETE TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, INCLUDES ADJUSTMENTS, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$8,255.00	\$8,255.00

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CONSTRUCTION OF THE WATER, SANITARY S  
 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRI  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TI  
 SEPTEMBER 22, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 SEPTEMBER 22, 2020  
 JOB NUMBER 2457-2012D (9.2)

10) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
11.	STAGE I - REINFORCED CONCRETE TYPE "C" INLET, (5' OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	25	\$2,025.00	\$50,625.00
12.	STAGE II - REINFORCED CONCRETE TYPE "C" INLET, (5' OPENING), ALL DEPTHS, COMPLETE IN PLACE	EA	25	\$1,825.00	\$45,625.00
13.	STAGE I - REINFORCED CONCRETE TYPE "C-1" INLET (5' OPENING ADDED ON ONE SIDE FOR TOTAL 10' OPENING), ALL DEPTHS, INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLET, COMPLETE IN PLACE	EA	9	\$1,800.00	\$16,200.00
14.	STAGE II - REINFORCED CONCRETE TYPE "C-1" INLET (5' OPENING ADDED ON ONE SIDE FOR TOTAL 10' OPENING), ALL DEPTHS, COMPLETE IN PLACE	EA	9	\$2,180.00	\$19,620.00
15.	REINFORCED CONCRETE TYPE "E" INLET, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$4,345.00	\$13,035.00
16.	BREAK INTO EXISTING STORM SEWER MANHOLE WITH TYPE "E" INLET TOP AND CONNECT PROPOSED 42" STORM SEWER, INCLUDES APPURTENANCES, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,365.00	\$1,365.00
17.	OUTFALL STRUCTURE FOR 48" C.G.M.P. PIPE, INCLUDES 5" REINFORCED CONCRETE SLOPE PAVEMENT TO EXISTING PILOT CHANNEL, SLOPED END TREATMENT, CUT PIPE FLUSH WITH SLOPE PAVEMENT, RESTORING DRY DETENTION POND SIDE SLOPE TO ORIGINAL CONDITION, AND ALL APPURTENANCES, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$10,700.00	\$10,700.00
18.	ADDITIONAL COST FOR STORM SEWER BEDDING FOR UNSATISFACTORY SOIL CONDITIONS (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	300	\$15.00	\$4,500.00
19.	DEWATERING FOR STORM SEWER, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00
20.	UTILITY SPOILS FROM CONSTRUCTION OF STORM SEWER ITEMS, PER CONSTRUCTION PLANS SHEET NO. 9, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	20,000	\$5.00	\$100,000.00
21.	LOT DRAINAGE SWALE, TO BE INSTALLED WITH STAGE II, COMPLETE IN PLACE	LF	14,995	\$3.00	\$44,985.00
22.	DRAINAGE SWALES AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	5,200	\$3.50	\$18,200.00
<b>SUBTOTAL DRAINAGE FACILITIES ITEMS</b>					<b>\$1,027,106.42</b>

**MISCELLANEOUS ITEMS**

1.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS, COMPLETE IN PLACE	LS	1	\$1,150.00	\$1,150.00
2.	INSTALL, MAINTAIN, AND REMOVE CONCRETE WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$230.00	\$230.00
3.	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$2,300.00	\$2,300.00
4.	MAINTAIN AND REMOVE EXISTING CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$1,600.00	\$1,600.00
5.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	13,056	\$1.35	\$17,625.60
6.	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	40	\$50.00	\$2,000.00
7.	CRUSHED STONE SUPPORT FOR MANHOLE IN UNSTABLE SUBGRADE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	2	\$575.00	\$1,150.00
8.	BROADCAST SEEDING, INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	5.4	\$860.00	\$4,644.00
9.	HYDROMULCH SEEDING AND FINE GRADING, INCLUDES WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	1.5	\$2,200.00	\$3,300.00

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 TO SERVE FAIRWAY FARMS SECTION 2  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRI  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TI  
 SEPTEMBER 22, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 SEPTEMBER 22, 2020  
 JOB NUMBER 2457-2012D (9.2)

10) TRIPLE B SERVICES, LLP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
10.	REMOVE AND REPLACE EXISTING FENCE, AS NEEDED FOR CONSTRUCTION, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	100	\$40.00	\$4,000.00
11.	REMOVE AND OFFSITE DISPOSAL OF EXISTING TREE AND ROOT BALL WITHIN UTILITY EASEMENTS, (ALL SIZES), (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	10	\$575.00	\$5,750.00
12.	EXTRA CEMENT STABILIZED SAND BACKFILL, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00
13.	ADDITIONAL COST FOR UNSATISFACTORY SOIL CONDITIONS FOR MANHOLES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	67	\$12.00	\$804.00

**SUBTOTAL MISCELLANEOUS ITEMS**

**\$46,553.60**

**ALTERNATE A ITEM**

1.	HAUL AND DISPOSE OF UTILITY SPOILS, OUTSIDE THE DEVELOPMENT IN A LEGAL MANNER, INCLUDES ALL PERMIT AND DISPOSAL FEES, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), (TO BE USED IN LIEU OF WATER ITEM NO. 14, SANITARY SEWER ITEM NO. 15, AND DRAINAGE FACILITIES ITEM NO. 20) COMPLETE IN PLACE	CY	37,000	\$12.00	\$444,000.00
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**SUBTOTAL ALTERNATE A ITEM**

**\$444,000.00**

**ALTERNATE B ITEMS**

1.	12" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, INSTALLED WITH STAGE I OR STAGE II, COMPLETE IN PLACE	LF	640	\$50.00	\$32,000.00
2.	15" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, INSTALLED WITH STAGE I OR STAGE II, COMPLETE IN PLACE	LF	295	\$50.00	\$14,750.00
3.	18" HDPE STORM SEWER, ASTM F-2306, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, INSTALLED WITH STAGE I OR STAGE II, COMPLETE IN PLACE	LF	288	\$50.00	\$14,400.00
4.	18" RCP STORM SEWER, ASTM C-76, CLASS III, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	191	\$90.00	\$17,190.00
5.	REINFORCED CONCRETE TYPE "A" INLET WITH FRAME AND MODIFIED ATRIUM GRATE, ALL DEPTHS, COMPLETE IN PLACE	EA	30	\$3,000.00	\$90,000.00
6.	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	1,444	\$0.01	\$14.44
7.	VIDEO INSPECTION OF STORM SEWER, ALL SIZES, INCLUDES DIGITAL COPY, COMPLETE IN PLACE	LF	1,444	\$3.50	\$5,054.00
8.	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	30	\$60.00	\$1,800.00

**SUBTOTAL ALTERNATE B ITEMS**

**\$175,208.44**

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10) TRIPLE B SERVICES, LLP

ITEM DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
<b>BID SUMMARY</b>				
SUBTOTAL WATER ITEMS				\$316,673.80
SUBTOTAL SANITARY SEWER ITEMS				\$508,358.89
SUBTOTAL DRAINAGE FACILITIES ITEMS				\$1,027,106.42
SUBTOTAL MISCELLANEOUS ITEMS				\$46,553.60
<b>TOTAL AMOUNT BID</b>				<b>\$1,898,692.71</b>
<b>FAIRWAY FARMS SECTION 2 ALTERNATE A ITEMS</b>				
<b>TOTAL AMOUNT BID</b>				<b>\$1,898,692.71</b>
DEDUCT WATER ITEM NO. 14				(\$42,000.00)
DEDUCT SANITARY SEWER ITEM NO. 15				(\$52,500.00)
DEDUCT DRAINAGE FACILITIES ITEM NO. 20				(\$100,000.00)
SUBTOTAL ALTERNATE A ITEM				<b>\$44,000.00</b>
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE A ITEM</b>				<b>\$2,148,192.71</b>
<b>FAIRWAY FARMS SECTION 2 ALTERNATE B ITEMS</b>				
SUBTOTAL ALTERNATE B ITEM				<b>\$175,208.44</b>
TOTAL AMOUNT BID INCLUDING ALTERNATE A & B ITEMS				<b>\$2,323,401.15</b>
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE B ITEM</b>				<b>\$2,073,901.15</b>