

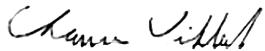
BID TABULATION FOR:

CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
TO SERVE MARISOL SECTION 3  
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495  
CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
NOVEMBER 25, 2020  
LJA ENGINEERING, INC.  
E. MURPHY  
NOVEMBER 25, 2020  
1406-4330D (9.2)

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

BIDDER'S NAME	TOTAL AMOUNT BID
1) CROSTEX CONSTRUCTION INC.	\$440,000.00
2) DIMAS BROS. CONSTRUCTION	\$444,500.14
3) BLAZEY CONSTRUCTION SERVICES LLC	\$451,385.40
4) TEXASITE, LLC	\$456,925.34
5) NORTHTEX CONSTRUCTION, LLC.	\$457,561.40
6) R CONSTRUCTION CIVIL	\$458,211.60
7) D. L. ELLIOTT ENTERPRISES, INC.	\$460,340.50
8) CE BARKER, LTD	\$473,412.68
9) HURTADO CONSTRUCTION COMPANY	\$482,651.12
10) HARRIS CONSTRUCTION COMPANY, LTD.	\$484,826.40
11) TLC CONSTRUCTION CONTRACT SERVICES	\$519,800.70

CALENDAR DAYS 50/65



I, Chance Vinklarek, PE, hereby certify these bid tabulations to be true and correct.



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ITEM	DESCRIPTION	UNIT	QTY	1) CROSTEX CONSTRUCTION INC.		2) DIMAS BROS. CONSTRUCTION		3) BLAZEY CONSTRUCTION SERVICES LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>WATER ITEMS</b>									
1	8" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE BEDDING, BACKFILL, AND FITTINGS, COMPLETE IN PLACE	LF	240	\$21.00	\$5,040.00	\$19.20	\$4,608.00	\$19.00	\$4,560.00
2	8" PVC WATER PIPE, C-900, DR 18, RESTRAINED JOINTS, TO INCLUDE BEDDING, BACKFILL AND FITTINGS, COMPLETE IN PLACE	LF	90	\$27.00	\$2,430.00	\$21.10	\$1,899.00	\$25.00	\$2,250.00
3	12" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE BEDEDING, BACKFILL AND FITTINGS, COMPLETE IN PLACE	LF	1187	\$34.00	\$40,358.00	\$28.90	\$34,304.30	\$33.00	\$39,171.00
4	12" PVC WATER PIPE, C-900, DR 18, RESTRAINED JOINTS, TO INCLUDE BEDDING, BACKFILL AND FITTINGS, COMPLETE IN PLACE	LF	559	\$51.00	\$28,509.00	\$35.65	\$19,928.35	\$41.00	\$22,919.00
5	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2066	\$1.00	\$2,066.00	\$1.00	\$2,066.00	\$1.00	\$2,066.00
6	12" AWWA GATE VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	3	\$1,800.00	\$5,400.00	\$1,722.00	\$5,166.00	\$1,981.00	\$5,943.00
7	ADDITIONAL FLUSHING OF WATER LINES, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$100.00	\$100.00	\$1,083.00	\$1,083.00
8	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE AND BOX, 6" LEAD AND FIRE HYDRANT, COMPLETE IN PLACE	EA	6	\$3,500.00	\$21,000.00	\$3,365.00	\$20,190.00	\$3,222.00	\$19,332.00
9	REMOVE EXISTING PLUG & CLAMP AND 2" BLOW OFF VALVE AND CONNECT PROPOSED WATERLINE, ALL SIZES, COMPLETE IN PLACE	EA	3	\$150.00	\$450.00	\$320.00	\$960.00	\$510.00	\$1,530.00
10	UTILITY SPOIL TO BE HAULED, SPREAD AND COMPACTED IN 8" LIFTS TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$600.00	\$600.00	\$830.00	\$830.00
11	NEAR SIDE, DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE, INCLUDES METER BOX, CURB STOP, AND ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	15	\$485.00	\$7,275.00	\$556.00	\$8,340.00	\$633.00	\$9,495.00
12	FAR SIDE, DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE, INCLUDES METER BOX, CURB STOP, AND ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	27	\$930.00	\$25,110.00	\$975.00	\$26,325.00	\$763.00	\$20,601.00
13	EXTRA DUCTILE IRON FITTINGS, (TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	1	\$1.00	\$1.00	\$1.00	\$1.00	\$4,802.00	\$4,802.00
14	BORE OR AUGER, FOR 8" WATER LINE, INCLUDING BORE PITS AND BACKFILL, UNERNEATH EXISTING STORM SEWER, COMPLETE IN PLACE	LF	12	\$200.00	\$2,400.00	\$48.00	\$576.00	\$163.00	\$1,956.00
<b>WATER ITEMS SUBTOTAL:</b>					<b>\$143,039.00</b>		<b>\$125,063.65</b>		<b>\$136,538.00</b>
<b>SANITARY SEWER ITEMS</b>									
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1478	\$23.00	\$33,994.00	\$29.45	\$43,527.10	\$27.00	\$39,906.00
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	504	\$25.00	\$12,600.00	\$30.75	\$15,498.00	\$27.00	\$13,608.00
3	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2746	\$1.00	\$2,746.00	\$1.00	\$2,746.00	\$1.00	\$2,746.00
4	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), COMPLETE IN PLACE	EA	10	\$2,200.00	\$22,000.00	\$3,084.00	\$30,840.00	\$1,961.00	\$19,610.00
5	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	3.3	\$200.00	\$660.00	\$90.00	\$297.00	\$135.00	\$445.50

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ITEM	DESCRIPTION	UNIT	QTY	1) CROSTEX CONSTRUCTION INC.		2) DIMAS BROS. CONSTRUCTION		3) BLAZEY CONSTRUCTION SERVICES LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6	ADDITIONAL COST OF SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$8.00	\$4,000.00	\$8.00	\$4,000.00	\$8.00	\$4,000.00
7	DEWATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$22.00	\$11,000.00
8	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
9	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, DROP STRUCTURES, STACKS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	13	\$1,760.00	\$22,880.00	\$2,084.00	\$27,092.00	\$2,148.00	\$27,924.00
10	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, DROP STRUCTURES, STACKS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	25	\$740.00	\$18,500.00	\$870.00	\$21,750.00	\$1,174.00	\$29,350.00
11	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED IN 8" LIFTS TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$600.00	\$600.00	\$844.00	\$844.00
12	REMOVE PLUG AND CONNECT PROPOSED SANITARY SEWER, COMPLETE IN PLACE	EA	2	\$250.00	\$500.00	\$10.00	\$20.00	\$1,133.00	\$2,266.00
13	CONTRACTOR SHALL TV & CLEAN PROPOSED SANITARY SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1478	\$1.00	\$1,478.00	\$1.00	\$1,478.00	\$1.00	\$1,478.00
14	REMOVE AND REPLACE AIR RELEASE VALVE WITH ISOLATION VALVE CONE TOP WITH ECCENTRIC CONE TOP TO BE AT LOT LINE, COMPLETE IN PLACE	EA	1	\$4,500.00	\$4,500.00	\$900.00	\$900.00	\$661.00	\$661.00
15	STANDARD 2' SANITARY SEWER DROP STRUCTURE, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$500.00	\$500.00	\$646.00	\$646.00
<b>SANITARY SEWER ITEMS SUBTOTAL:</b>					<b>\$139,358.00</b>		<b>\$162,248.10</b>		<b>\$156,484.50</b>
<b>DRAINAGE FACILITIES ITEMS</b>									
1	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1183	\$50.00	\$59,150.00	\$57.65	\$68,199.95	\$49.00	\$57,967.00
2	30" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL COMPLETE IN PLACE	LF	258	\$62.00	\$15,996.00	\$66.95	\$17,273.10	\$58.00	\$14,964.00
3	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1441	\$1.00	\$1,441.00	\$1.00	\$1,441.00	\$1.00	\$1,441.00
4	TYPE "C" MANHOLES FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$2,500.00	\$10,000.00	\$2,028.00	\$8,112.00	\$2,235.00	\$8,940.00
5	STAGE I - STANDARD (TYPE "C") INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	15	\$1,875.00	\$28,125.00	\$965.00	\$14,475.00	\$1,174.00	\$17,610.00
6	STAGE II - STANDARD (TYPE "C") INLET, COMPLETE IN PLACE	EA	15	\$500.00	\$7,500.00	\$1,284.00	\$19,260.00	\$1,051.00	\$15,765.00
7	STAGE I - STANDARD (TYPE "C-1") INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	2	\$1,875.00	\$3,750.00	\$984.00	\$1,968.00	\$919.00	\$1,838.00
8	STAGE II - STANDARD (TYPE "C-1") INLET, COMPLETE IN PLACE	EA	2	\$1,000.00	\$2,000.00	\$1,484.00	\$2,968.00	\$1,376.00	\$2,752.00
9	REMOVE EXISTING 8" BRICK PLUG AND CONNECT STORM SEWER INTO EXISTING STORM SEWER SYSTEM, ALL SIZES, COMPLETE IN PLACE	EA	5	\$250.00	\$1,250.00	\$100.00	\$500.00	\$298.00	\$1,490.00

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ITEM	DESCRIPTION	UNIT	QTY	1) CROSTEX CONSTRUCTION INC.		2) DIMAS BROS. CONSTRUCTION		3) BLAZEY CONSTRUCTION SERVICES LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$8.00	\$4,000.00	\$8.00	\$4,000.00	\$8.00	\$4,000.00
11	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
12	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED IN 8" LIFTS TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$600.00	\$600.00	\$1,664.00	\$1,664.00
13	DEWATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$22.00	\$11,000.00
14	CONTRACTOR SHALL TV & CLEAN PROPOSED STORM SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1441	\$1.00	\$1,441.00	\$1.00	\$1,441.00	\$1.00	\$1,441.00
15	REMOVE EXISTING 3:1 SAFETY END TREATMENT AND CONNECT PROPOSED 24" STORM SEWER, COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$500.00	\$500.00	\$596.00	\$596.00
16	REMOVE EXISTING TYPE "E" INLET TOP FROM EXISTING MANHOLE AND INSTALL STANDARD TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	2	\$1,695.00	\$3,390.00	\$750.00	\$1,500.00	\$1,712.00	\$3,424.00
<b>DRAINAGE FACILITIES ITEMS SUBTOTAL:</b>					<b>\$153,543.00</b>	<b>\$155,238.05</b>	<b>\$146,892.00</b>		
<b>MISCELLANEOUS ITEMS</b>									
1	FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	5034	\$0.01	\$50.34	\$0.01	\$50.34	\$1.35	\$6,795.90
2	CONSTRUCT AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$500.00	\$500.00	\$1,625.00	\$1,625.00
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDING INSPECTIONS, MAINTENANCE OF FILTER FABRIC AND STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	LS	1	\$509.66	\$509.66	\$500.00	\$500.00	\$731.00	\$731.00
4	CONCRETE TRUCK WASHOUT, INCLUDING INSTALLATION AND MAINTENANCE, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$100.00	\$100.00	\$569.00	\$569.00
5	ALL REQUIRED CONSTRUCTION PERMITS, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$800.00	\$800.00	\$1,750.00	\$1,750.00
<b>MISCELLANEOUS ITEMS SUBTOTAL:</b>					<b>\$4,060.00</b>	<b>\$1,950.34</b>	<b>\$11,470.90</b>		
<b>BIDDING SUMMARY</b>									
SUBTOTAL WATER ITEMS					\$143,039.00	\$125,063.65	\$136,538.00		
SUBTOTAL SANITARY SEWER ITEMS					\$139,358.00	\$162,248.10	\$156,484.50		
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$153,543.00	\$155,238.05	\$146,892.00		
SUBTOTAL MISCELLANEOUS ITEMS					\$4,060.00	\$1,950.34	\$11,470.90		
<b>TOTAL AMOUNT BASE BID</b>					<b>\$440,000.00</b>	<b>\$444,500.14</b>	<b>\$451,385.40</b>		

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ITEM	DESCRIPTION	UNIT	QTY	4) TEXASITE, LLC		5) NORTHTEX CONSTRUCTION, LLC.		6) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>WATER ITEMS</b>									
1	8" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE BEDDING, BACKFILL, AND FITTINGS, COMPLETE IN PLACE	LF	240	\$23.00	\$5,520.00	\$17.50	\$4,200.00	\$19.00	\$4,560.00
2	8" PVC WATER PIPE, C-900, DR 18, RESTRAINED JOINTS, TO INCLUDE BEDDING, BACKFILL AND FITTINGS, COMPLETE IN PLACE	LF	90	\$27.00	\$2,430.00	\$19.50	\$1,755.00	\$35.00	\$3,150.00
3	12" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE BEDEDING, BACKFILL AND FITTINGS, COMPLETE IN PLACE	LF	1187	\$32.00	\$37,984.00	\$28.00	\$33,236.00	\$28.00	\$33,236.00
4	12" PVC WATER PIPE, C-900, DR 18, RESTRAINED JOINTS, TO INCLUDE BEDDING, BACKFILL AND FITTINGS, COMPLETE IN PLACE	LF	559	\$53.00	\$29,627.00	\$36.00	\$20,124.00	\$57.00	\$31,863.00
5	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2066	\$1.00	\$2,066.00	\$1.00	\$2,066.00	\$1.00	\$2,066.00
6	12" AWWA GATE VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	3	\$2,200.00	\$6,600.00	\$2,050.00	\$6,150.00	\$2,000.00	\$6,000.00
7	ADDITIONAL FLUSHING OF WATER LINES, COMPLETE IN PLACE	LS	1	\$1,600.00	\$1,600.00	\$1,000.00	\$1,000.00	\$1.00	\$1.00
8	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE AND BOX, 6" LEAD AND FIRE HYDRANT, COMPLETE IN PLACE	EA	6	\$3,650.00	\$21,900.00	\$3,600.00	\$21,600.00	\$4,300.00	\$25,800.00
9	REMOVE EXISTING PLUG & CLAMP AND 2" BLOW OFF VALVE AND CONNECT PROPOSED WATERLINE, ALL SIZES, COMPLETE IN PLACE	EA	3	\$350.00	\$1,050.00	\$390.00	\$1,170.00	\$200.00	\$600.00
10	UTILITY SPOIL TO BE HAULED, SPREAD AND COMPACTED IN 8" LIFTS TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$1,200.00	\$1,200.00	\$2,000.00	\$2,000.00
11	NEAR SIDE, DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE, INCLUDES METER BOX, CURB STOP, AND ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	15	\$500.00	\$7,500.00	\$770.00	\$11,550.00	\$500.00	\$7,500.00
12	FAR SIDE, DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE, INCLUDES METER BOX, CURB STOP, AND ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	27	\$1,100.00	\$29,700.00	\$1,600.00	\$43,200.00	\$950.00	\$25,650.00
13	EXTRA DUCTILE IRON FITTINGS, (TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	1	\$1,600.00	\$1,600.00	\$2,700.00	\$2,700.00	\$100.00	\$100.00
14	BORE OR AUGER, FOR 8" WATER LINE, INCLUDING BORE PITS AND BACKFILL, UNERNEATH EXISTING STORM SEWER, COMPLETE IN PLACE	LF	12	\$100.00	\$1,200.00	\$125.00	\$1,500.00	\$175.00	\$2,100.00
<b>WATER ITEMS SUBTOTAL:</b>					<b>\$149,277.00</b>		<b>\$151,451.00</b>		<b>\$144,626.00</b>
<b>SANITARY SEWER ITEMS</b>									
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1478	\$27.00	\$39,906.00	\$19.50	\$28,821.00	\$22.00	\$32,516.00
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	504	\$30.00	\$15,120.00	\$20.00	\$10,080.00	\$25.00	\$12,600.00
3	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2746	\$1.00	\$2,746.00	\$1.00	\$2,746.00	\$1.00	\$2,746.00
4	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), COMPLETE IN PLACE	EA	10	\$2,300.00	\$23,000.00	\$1,850.00	\$18,500.00	\$1,700.00	\$17,000.00
5	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	3.3	\$160.00	\$528.00	\$120.00	\$396.00	\$120.00	\$396.00

**BID TABULATION FOR:**

CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE MARISOL SECTION 3  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 NOVEMBER 25, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 NOVEMBER 25, 2020  
 1406-4330D (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) TEXASITE, LLC		5) NORTHTEX CONSTRUCTION, LLC.		6) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6	ADDITIONAL COST OF SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$8.00	\$4,000.00	\$8.00	\$4,000.00	\$8.00	\$4,000.00
7	DEWATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$22.00	\$11,000.00
8	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
9	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, DROP STRUCTURES, STACKS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	13	\$2,100.00	\$27,300.00	\$1,800.00	\$23,400.00	\$1,600.00	\$20,800.00
10	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, DROP STRUCTURES, STACKS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	25	\$1,100.00	\$27,500.00	\$935.00	\$23,375.00	\$800.00	\$20,000.00
11	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED IN 8" LIFTS TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$1,200.00	\$1,200.00	\$2,200.00	\$2,200.00
12	REMOVE PLUG AND CONNECT PROPOSED SANITARY SEWER, COMPLETE IN PLACE	EA	2	\$400.00	\$800.00	\$320.00	\$640.00	\$100.00	\$200.00
13	CONTRACTOR SHALL TV & CLEAN PROPOSED SANITARY SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1478	\$1.00	\$1,478.00	\$1.00	\$1,478.00	\$1.70	\$2,512.60
14	REMOVE AND REPLACE AIR RELEASE VALVE WITH ISOLATION VALVE CONE TOP WITH ECCENTRIC CONE TOP TO BE AT LOT LINE, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$4,300.00	\$4,300.00	\$1,000.00	\$1,000.00
15	STANDARD 2' SANITARY SEWER DROP STRUCTURE, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$770.00	\$770.00	\$600.00	\$600.00
<b>SANITARY SEWER ITEMS SUBTOTAL:</b>					<b>\$157,378.00</b>		<b>\$132,706.00</b>		<b>\$129,570.60</b>
<b>DRAINAGE FACILITIES ITEMS</b>									
1	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1183	\$50.00	\$59,150.00	\$53.50	\$63,290.50	\$57.00	\$67,431.00
2	30" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL COMPLETE IN PLACE	LF	258	\$61.00	\$15,738.00	\$67.00	\$17,286.00	\$67.00	\$17,286.00
3	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1441	\$1.00	\$1,441.00	\$1.00	\$1,441.00	\$1.00	\$1,441.00
4	TYPE "C" MANHOLES FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$2,200.00	\$8,800.00	\$2,100.00	\$8,400.00	\$2,400.00	\$9,600.00
5	STAGE I - STANDARD (TYPE "C") INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	15	\$1,100.00	\$16,500.00	\$955.00	\$14,325.00	\$1,000.00	\$15,000.00
6	STAGE II - STANDARD (TYPE "C") INLET, COMPLETE IN PLACE	EA	15	\$1,000.00	\$15,000.00	\$1,350.00	\$20,250.00	\$1,600.00	\$24,000.00
7	STAGE I - STANDARD (TYPE "C-1") INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	2	\$1,100.00	\$2,200.00	\$1,050.00	\$2,100.00	\$700.00	\$1,400.00
8	STAGE II - STANDARD (TYPE "C-1") INLET, COMPLETE IN PLACE	EA	2	\$1,700.00	\$3,400.00	\$1,350.00	\$2,700.00	\$3,000.00	\$6,000.00
9	REMOVE EXISTING 8" BRICK PLUG AND CONNECT STORM SEWER INTO EXISTING STORM SEWER SYSTEM, ALL SIZES, COMPLETE IN PLACE	EA	5	\$500.00	\$2,500.00	\$1,400.00	\$7,000.00	\$500.00	\$2,500.00

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CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE MARISOL SECTION 3  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 NOVEMBER 25, 2020  
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ITEM	DESCRIPTION	UNIT	QTY	4) TEXASITE, LLC		5) NORTHTEX CONSTRUCTION, LLC.		6) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$8.00	\$4,000.00	\$8.00	\$4,000.00	\$8.00	\$4,000.00
11	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
12	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED IN 8" LIFTS TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$2,250.00	\$2,250.00	\$3,300.00	\$3,300.00
13	DEWATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$22.00	\$11,000.00
14	CONTRACTOR SHALL TV & CLEAN PROPOSED STORM SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1441	\$1.00	\$1,441.00	\$1.00	\$1,441.00	\$3.00	\$4,323.00
15	REMOVE EXISTING 3:1 SAFETY END TREATMENT AND CONNECT PROPOSED 24" SOTRM SEWER, COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$1,550.00	\$1,550.00	\$500.00	\$500.00
16	REMOVE EXISTING TYPE "E" INLET TOP FROM EXISTING MANHOLE AND INSTALL STANDARD TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	2	\$900.00	\$1,800.00	\$685.00	\$1,370.00	\$1,500.00	\$3,000.00
<b>DRAINAGE FACILITIES ITEMS SUBTOTAL:</b>					<b>\$145,970.00</b>		<b>\$160,403.50</b>		<b>\$172,781.00</b>
<b>MISCELLANEOUS ITEMS</b>									
1	FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	5034	\$0.01	\$50.34	\$1.35	\$6,795.90	\$1.00	\$5,034.00
2	CONSTRUCT AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$200.00	\$200.00	\$1,950.00	\$1,950.00	\$2,000.00	\$2,000.00
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDING INSPECTIONS, MAINTENANCE OF FILTER FABRIC AND STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,300.00	\$1,300.00	\$1,200.00	\$1,200.00
4	CONCRETE TRUCK WASHOUT, INCLUDING INSTALLATION AND MAINTENANCE, COMPLETE IN PLACE	EA	1	\$50.00	\$50.00	\$805.00	\$805.00	\$500.00	\$500.00
5	ALL REQUIRED CONSTRUCTION PERMITS, COMPLETE IN PLACE	LS	1	\$2,500.00	\$2,500.00	\$2,150.00	\$2,150.00	\$2,500.00	\$2,500.00
<b>MISCELLANEOUS ITEMS SUBTOTAL:</b>					<b>\$4,300.34</b>		<b>\$13,000.90</b>		<b>\$11,234.00</b>
<b>BIDDING SUMMARY</b>									
SUBTOTAL WATER ITEMS					\$149,277.00		\$151,451.00		\$144,626.00
SUBTOTAL SANITARY SEWER ITEMS					\$157,378.00		\$132,706.00		\$129,570.60
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$145,970.00		\$160,403.50		\$172,781.00
SUBTOTAL MISCELLANEOUS ITEMS					\$4,300.34		\$13,000.90		\$11,234.00
<b>TOTAL AMOUNT BASE BID</b>					<b>\$456,925.34</b>		<b>\$457,561.40</b>		<b>\$458,211.60</b>

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 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 NOVEMBER 25, 2020  
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ITEM	DESCRIPTION	UNIT	QTY	7) D. L. ELLIOTT ENTERPRISES, INC.		8) CE BARKER, LTD		9) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>WATER ITEMS</b>									
1	8" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE BEDDING, BACKFILL, AND FITTINGS, COMPLETE IN PLACE	LF	240	\$19.00	\$4,560.00	\$17.44	\$4,185.60	\$20.18	\$4,843.20
2	8" PVC WATER PIPE, C-900, DR 18, RESTRAINED JOINTS, TO INCLUDE BEDDING, BACKFILL AND FITTINGS, COMPLETE IN PLACE	LF	90	\$22.00	\$1,980.00	\$27.17	\$2,445.30	\$25.80	\$2,322.00
3	12" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE BEDEDING, BACKFILL AND FITTINGS, COMPLETE IN PLACE	LF	1187	\$29.00	\$34,423.00	\$28.92	\$34,328.04	\$33.78	\$40,096.86
4	12" PVC WATER PIPE, C-900, DR 18, RESTRAINED JOINTS, TO INCLUDE BEDDING, BACKFILL AND FITTINGS, COMPLETE IN PLACE	LF	559	\$38.00	\$21,242.00	\$51.83	\$28,972.97	\$37.98	\$21,230.82
5	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2066	\$1.00	\$2,066.00	\$1.00	\$2,066.00	\$1.00	\$2,066.00
6	12" AWWA GATE VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	3	\$1,900.00	\$5,700.00	\$1,942.34	\$5,827.02	\$1,948.00	\$5,844.00
7	ADDITIONAL FLUSHING OF WATER LINES, COMPLETE IN PLACE	LS	1	\$1,300.00	\$1,300.00	\$1,690.65	\$1,690.65	\$1,888.00	\$1,888.00
8	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE AND BOX, 6" LEAD AND FIRE HYDRANT, COMPLETE IN PLACE	EA	6	\$4,000.00	\$24,000.00	\$3,599.89	\$21,599.34	\$3,358.00	\$20,148.00
9	REMOVE EXISTING PLUG & CLAMP AND 2" BLOW OFF VALVE AND CONNECT PROPOSED WATERLINE, ALL SIZES, COMPLETE IN PLACE	EA	3	\$300.00	\$900.00	\$678.18	\$2,034.54	\$268.00	\$804.00
10	UTILITY SPOIL TO BE HAULED, SPREAD AND COMPACTED IN 8" LIFTS TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$0.01	\$0.01	\$28.00	\$28.00
11	NEAR SIDE, DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE, INCLUDES METER BOX, CURB STOP, AND ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	15	\$750.00	\$11,250.00	\$580.38	\$8,705.70	\$538.00	\$8,070.00
12	FAR SIDE, DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE, INCLUDES METER BOX, CURB STOP, AND ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	27	\$1,000.00	\$27,000.00	\$1,096.18	\$29,596.86	\$998.00	\$26,946.00
13	EXTRA DUCTILE IRON FITTINGS, (TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	1	\$2,000.00	\$2,000.00	\$0.01	\$0.01	\$4,108.00	\$4,108.00
14	BORE OR AUGER, FOR 8" WATER LINE, INCLUDING BORE PITS AND BACKFILL, UNERNEATH EXISTING STORM SEWER, COMPLETE IN PLACE	LF	12	\$30.00	\$360.00	\$121.38	\$1,456.56	\$8.00	\$96.00
<b>WATER ITEMS SUBTOTAL:</b>					<b>\$137,781.00</b>		<b>\$142,908.60</b>		<b>\$138,490.88</b>
<b>SANITARY SEWER ITEMS</b>									
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1478	\$21.00	\$31,038.00	\$23.76	\$35,117.28	\$30.88	\$45,640.64
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	504	\$30.00	\$15,120.00	\$24.96	\$12,579.84	\$28.88	\$14,555.52
3	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2746	\$1.00	\$2,746.00	\$1.00	\$2,746.00	\$1.00	\$2,746.00
4	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), COMPLETE IN PLACE	EA	10	\$1,900.00	\$19,000.00	\$1,565.80	\$15,658.00	\$2,580.00	\$25,800.00
5	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	3.3	\$150.00	\$495.00	\$136.99	\$452.07	\$98.00	\$323.40



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ITEM	DESCRIPTION	UNIT	QTY	7) D. L. ELLIOTT ENTERPRISES, INC.		8) CE BARKER, LTD		9) HURTADO CONSTRUCTION COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6	ADDITIONAL COST OF SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$8.00	\$4,000.00	\$8.00	\$4,000.00	\$8.00	\$4,000.00
7	DEWATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$22.00	\$11,000.00
8	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
9	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, DROP STRUCTURES, STACKS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	13	\$2,000.00	\$26,000.00	\$2,200.69	\$28,608.97	\$2,528.00	\$32,864.00
10	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, DROP STRUCTURES, STACKS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	25	\$1,000.00	\$25,000.00	\$1,038.90	\$25,972.50	\$1,188.00	\$29,700.00
11	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED IN 8" LIFTS TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$1,300.00	\$1,300.00	\$0.01	\$0.01	\$88.00	\$88.00
12	REMOVE PLUG AND CONNECT PROPOSED SANITARY SEWER, COMPLETE IN PLACE	EA	2	\$250.00	\$500.00	\$406.67	\$813.34	\$128.00	\$256.00
13	CONTRACTOR SHALL TV & CLEAN PROPOSED SANITARY SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1478	\$1.00	\$1,478.00	\$1.00	\$1,478.00	\$1.00	\$1,478.00
14	REMOVE AND REPLACE AIR RELEASE VALVE WITH ISOLATION VALVE CONE TOP WITH ECCENTRIC CONE TOP TO BE AT LOT LINE, COMPLETE IN PLACE	EA	1	\$4,500.00	\$4,500.00	\$3,913.89	\$3,913.89	\$4,000.00	\$4,000.00
15	STANDARD 2' SANITARY SEWER DROP STRUCTURE, COMPLETE IN PLACE	EA	1	\$850.00	\$850.00	\$817.31	\$817.31	\$308.00	\$308.00
<b>SANITARY SEWER ITEMS SUBTOTAL:</b>					<b>\$145,027.00</b>		<b>\$145,157.21</b>		<b>\$174,759.56</b>
<b>DRAINAGE FACILITIES ITEMS</b>									
1	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1183	\$56.00	\$66,248.00	\$53.89	\$63,751.87	\$68.00	\$80,444.00
2	30" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL COMPLETE IN PLACE	LF	258	\$70.00	\$18,060.00	\$65.71	\$16,953.18	\$80.00	\$20,640.00
3	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1441	\$1.00	\$1,441.00	\$1.00	\$1,441.00	\$1.00	\$1,441.00
4	TYPE "C" MANHOLES FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$2,500.00	\$10,000.00	\$2,840.29	\$11,361.16	\$1,588.00	\$6,352.00
5	STAGE I - STANDARD (TYPE "C") INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	15	\$1,040.00	\$15,600.00	\$1,305.70	\$19,585.50	\$858.00	\$12,870.00
6	STAGE II - STANDARD (TYPE "C") INLET, COMPLETE IN PLACE	EA	15	\$1,560.00	\$23,400.00	\$1,160.05	\$17,400.75	\$1,308.00	\$19,620.00
7	STAGE I - STANDARD (TYPE "C-1") INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	2	\$1,440.00	\$2,880.00	\$1,305.70	\$2,611.40	\$938.00	\$1,876.00
8	STAGE II - STANDARD (TYPE "C-1") INLET, COMPLETE IN PLACE	EA	2	\$2,160.00	\$4,320.00	\$1,368.13	\$2,736.26	\$1,528.00	\$3,056.00
9	REMOVE EXISTING 8" BRICK PLUG AND CONNECT STORM SEWER INTO EXISTING STORM SEWER SYSTEM, ALL SIZES, COMPLETE IN PLACE	EA	5	\$200.00	\$1,000.00	\$832.32	\$4,161.60	\$8.00	\$40.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$8.00	\$4,000.00	\$8.00	\$4,000.00	\$8.00	\$4,000.00
11	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
12	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED IN 8" LIFTS TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$0.01	\$0.01	\$8.00	\$8.00
13	DEWATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00	\$22.00	\$11,000.00
14	CONTRACTOR SHALL TV & CLEAN PROPOSED STORM SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1441	\$1.00	\$1,441.00	\$1.00	\$1,441.00	\$1.00	\$1,441.00
15	REMOVE EXISTING 3:1 SAFETY END TREATMENT AND CONNECT PROPOSED 24" SOTRM SEWER, COMPLETE IN PLACE	LS	1	\$150.00	\$150.00	\$1,005.72	\$1,005.72	\$8.00	\$8.00
16	REMOVE EXISTING TYPE "E" INLET TOP FROM EXISTING MANHOLE AND INSTALL STANDARD TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	2	\$1,600.00	\$3,200.00	\$2,181.37	\$4,362.74	\$1,800.00	\$3,600.00
<b>DRAINAGE FACILITIES ITEMS SUBTOTAL:</b>					<b>\$166,240.00</b>		<b>\$163,812.19</b>		<b>\$168,396.00</b>
<b>MISCELLANEOUS ITEMS</b>									
1	FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	5034	\$1.25	\$6,292.50	\$1.31	\$6,594.54	\$0.02	\$100.68
2	CONSTRUCT AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$2,923.52	\$2,923.52	\$8.00	\$8.00
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDING INSPECTIONS, MAINTENANCE OF FILTER FABRIC AND STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	LS	1	\$1,300.00	\$1,300.00	\$676.26	\$676.26	\$800.00	\$800.00
4	CONCRETE TRUCK WASHOUT, INCLUDING INSTALLATION AND MAINTENANCE, COMPLETE IN PLACE	EA	1	\$600.00	\$600.00	\$1,196.46	\$1,196.46	\$8.00	\$8.00
5	ALL REQUIRED CONSTRUCTION PERMITS, COMPLETE IN PLACE	LS	1	\$1,100.00	\$1,100.00	\$10,143.90	\$10,143.90	\$88.00	\$88.00
<b>MISCELLANEOUS ITEMS SUBTOTAL:</b>					<b>\$11,292.50</b>		<b>\$21,534.68</b>		<b>\$1,004.68</b>
<b>BIDDING SUMMARY</b>									
SUBTOTAL WATER ITEMS					\$137,781.00		\$142,908.60		\$138,490.88
SUBTOTAL SANITARY SEWER ITEMS					\$145,027.00		\$145,157.21		\$174,759.56
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$166,240.00		\$163,812.19		\$168,396.00
SUBTOTAL MISCELLANEOUS ITEMS					\$11,292.50		\$21,534.68		\$1,004.68
<b>TOTAL AMOUNT BASE BID</b>					<b>\$460,340.50</b>		<b>\$473,412.68</b>		<b>\$482,651.12</b>

**BID TABULATION FOR:**

CONSTRUCTION OF WATER, SANITARY SEWER AND DRAINAGE FACILITIES  
 TO SERVE MARISOL SECTION 3  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 NOVEMBER 25, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 NOVEMBER 25, 2020  
 1406-4330D (9.2)

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

10) HARRIS CONSTRUCTION COMPANY, LTD. 1) TLC CONSTRUCTION CONTRACT SERVICES

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>WATER ITEMS</b>							
1	8" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE BEDDING, BACKFILL, AND FITTINGS, COMPLETE IN PLACE	LF	240	\$20.00	\$4,800.00	\$20.00	\$4,800.00
2	8" PVC WATER PIPE, C-900, DR 18, RESTRAINED JOINTS, TO INCLUDE BEDDING, BACKFILL AND FITTINGS, COMPLETE IN PLACE	LF	90	\$30.00	\$2,700.00	\$28.00	\$2,520.00
3	12" PVC WATER PIPE, C-900, DR 18, ALL DEPTHS, TO INCLUDE BEDEDING, BACKFILL AND FITTINGS, COMPLETE IN PLACE	LF	1187	\$32.40	\$38,458.80	\$32.00	\$37,984.00
4	12" PVC WATER PIPE, C-900, DR 18, RESTRAINED JOINTS, TO INCLUDE BEDDING, BACKFILL AND FITTINGS, COMPLETE IN PLACE	LF	559	\$43.00	\$24,037.00	\$49.00	\$27,391.00
5	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2066	\$1.00	\$2,066.00	\$1.00	\$2,066.00
6	12" AWWA GATE VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	3	\$2,100.00	\$6,300.00	\$1,896.00	\$5,688.00
7	ADDITIONAL FLUSHING OF WATER LINES, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00	\$827.00	\$827.00
8	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE AND BOX, 6" LEAD AND FIRE HYDRANT, COMPLETE IN PLACE	EA	6	\$3,675.00	\$22,050.00	\$3,283.00	\$19,698.00
9	REMOVE EXISTING PLUG & CLAMP AND 2" BLOW OFF VALVE AND CONNECT PROPOSED WATERLINE, ALL SIZES, COMPLETE IN PLACE	EA	3	\$250.00	\$750.00	\$405.00	\$1,215.00
10	UTILITY SPOIL TO BE HAULED, SPREAD AND COMPACTED IN 8" LIFTS TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,673.00	\$1,673.00
11	NEAR SIDE, DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE, INCLUDES METER BOX, CURB STOP, AND ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	15	\$495.00	\$7,425.00	\$439.00	\$6,585.00
12	FAR SIDE, DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE, INCLUDES METER BOX, CURB STOP, AND ALL NECESSARY CONNECTORS AND TAPS, COMPLETE IN PLACE	EA	27	\$1,125.00	\$30,375.00	\$660.00	\$17,820.00
13	EXTRA DUCTILE IRON FITTINGS, (TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	1	\$2,000.00	\$2,000.00	\$1,833.00	\$1,833.00
14	BORE OR AUGER, FOR 8" WATER LINE, INCLUDING BORE PITS AND BACKFILL, UNERNEATH EXISTING STORM SEWER, COMPLETE IN PLACE	LF	12	\$100.00	\$1,200.00	\$120.00	\$1,440.00
<b>WATER ITEMS SUBTOTAL:</b>					<b>\$148,661.80</b>		<b>\$131,540.00</b>
<b>SANITARY SEWER ITEMS</b>							
1	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1478	\$20.50	\$30,299.00	\$26.00	\$38,428.00
2	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	504	\$21.50	\$10,836.00	\$28.00	\$14,112.00
3	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2746	\$1.00	\$2,746.00	\$1.00	\$2,746.00
4	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), COMPLETE IN PLACE	EA	10	\$2,500.00	\$25,000.00	\$2,806.00	\$28,060.00
5	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	3.3	\$600.00	\$1,980.00	\$179.00	\$590.70

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 TO SERVE MARISOL SECTION 3  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495  
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS  
 NOVEMBER 25, 2020  
 LJA ENGINEERING, INC.  
 E. MURPHY  
 NOVEMBER 25, 2020  
 1406-4330D (9.2)

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**BID OPENING LOCATION:**  
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**TABULATION DATE:**  
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10) HARRIS CONSTRUCTION COMPANY, LTD. 1) TLC CONSTRUCTION CONTRACT SERVICES

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6	ADDITIONAL COST OF SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$8.00	\$4,000.00	\$8.00	\$4,000.00
7	DEWATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00
8	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$50.00	\$5,000.00	\$20.00	\$2,000.00
9	LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, DROP STRUCTURES, STACKS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	13	\$2,295.00	\$29,835.00	\$1,607.00	\$20,891.00
10	SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, RISER, WYE, PLUG, MARKER, DROP STRUCTURES, STACKS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	25	\$900.00	\$22,500.00	\$746.00	\$18,650.00
11	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED IN 8" LIFTS TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$2,500.00	\$2,500.00	\$2,197.00	\$2,197.00
12	REMOVE PLUG AND CONNECT PROPOSED SANITARY SEWER, COMPLETE IN PLACE	EA	2	\$150.00	\$300.00	\$72.00	\$144.00
13	CONTRACTOR SHALL TV & CLEAN PROPOSED SANITARY SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1478	\$4.00	\$5,912.00	\$1.00	\$1,478.00
14	REMOVE AND REPLACE AIR RELEASE VALVE WITH ISOLATION VALVE CONE TOP WITH ECCENTRIC CONE TOP TO BE AT LOT LINE, COMPLETE IN PLACE	EA	1	\$2,500.00	\$2,500.00	\$1,133.00	\$1,133.00
15	STANDARD 2' SANITARY SEWER DROP STRUCTURE, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$722.00	\$722.00
<b>SANITARY SEWER ITEMS SUBTOTAL:</b>					<b>\$154,908.00</b>		<b>\$146,151.70</b>
<b>DRAINAGE FACILITIES ITEMS</b>							
1	24" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1183	\$62.00	\$73,346.00	\$64.00	\$75,712.00
2	30" STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL COMPLETE IN PLACE	LF	258	\$76.00	\$19,608.00	\$79.00	\$20,382.00
3	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1441	\$1.00	\$1,441.00	\$1.00	\$1,441.00
4	TYPE "C" MANHOLES FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	4	\$2,400.00	\$9,600.00	\$2,677.00	\$10,708.00
5	STAGE I - STANDARD (TYPE "C") INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	15	\$900.00	\$13,500.00	\$2,450.00	\$36,750.00
6	STAGE II - STANDARD (TYPE "C") INLET, COMPLETE IN PLACE	EA	15	\$1,200.00	\$18,000.00	\$1,108.00	\$16,620.00
7	STAGE I - STANDARD (TYPE "C-1") INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	2	\$800.00	\$1,600.00	\$3,033.00	\$6,066.00
8	STAGE II - STANDARD (TYPE "C-1") INLET, COMPLETE IN PLACE	EA	2	\$2,100.00	\$4,200.00	\$1,129.00	\$2,258.00
9	REMOVE EXISTING 8" BRICK PLUG AND CONNECT STORM SEWER INTO EXISTING STORM SEWER SYSTEM, ALL SIZES, COMPLETE IN PLACE	EA	5	\$350.00	\$1,750.00	\$177.00	\$885.00

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10) HARRIS CONSTRUCTION COMPANY, LTD. 1) TLC CONSTRUCTION CONTRACT SERVICES

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$8.00	\$4,000.00	\$8.00	\$4,000.00
11	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00
12	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED IN 8" LIFTS TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$4,802.00	\$4,802.00
13	DEWATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$22.00	\$11,000.00	\$22.00	\$11,000.00
14	CONTRACTOR SHALL TV & CLEAN PROPOSED STORM SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1441	\$4.00	\$5,764.00	\$1.00	\$1,441.00
15	REMOVE EXISTING 3:1 SAFETY END TREATMENT AND CONNECT PROPOSED 24" SOTRM SEWER, COMPLETE IN PLACE	LS	1	\$350.00	\$350.00	\$177.00	\$177.00
16	REMOVE EXISTING TYPE "E" INLET TOP FROM EXISTING MANHOLE AND INSTALL STANDARD TYPE "C" MANHOLE TOP, COMPLETE IN PLACE	EA	2	\$775.00	\$1,550.00	\$1,125.00	\$2,250.00
<b>DRAINAGE FACILITIES ITEMS SUBTOTAL:</b>					<b>\$169,709.00</b>		<b>\$196,492.00</b>
<b>MISCELLANEOUS ITEMS</b>							
1	FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	5034	\$1.40	\$7,047.60	\$1.00	\$5,034.00
2	CONSTRUCT AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
3	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDING INSPECTIONS, MAINTENANCE OF FILTER FABRIC AND STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$2,000.00	\$2,000.00
4	CONCRETE TRUCK WASHOUT, INCLUDING INSTALLATION AND MAINTENANCE, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$790.00	\$790.00
5	ALL REQUIRED CONSTRUCTION PERMITS, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$35,793.00	\$35,793.00
<b>MISCELLANEOUS ITEMS SUBTOTAL:</b>					<b>\$11,547.60</b>		<b>\$45,617.00</b>
<b>BIDDING SUMMARY</b>							
SUBTOTAL WATER ITEMS					\$148,661.80		\$131,540.00
SUBTOTAL SANITARY SEWER ITEMS					\$154,908.00		\$146,151.70
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$169,709.00		\$196,492.00
SUBTOTAL MISCELLANEOUS ITEMS					\$11,547.60		\$45,617.00
<b>TOTAL AMOUNT BASE BID</b>					<b>\$484,826.40</b>		<b>\$519,800.70</b>