

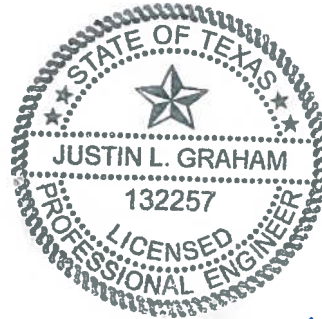
BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER,
DRAINAGE FACILITIES AND DETENTION POND A EXPANSION
TO SERVE TAVOLA SECTION 31
EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 7
CITY OF HOUSTON E.T.J.,MONTGOMERY COUNTY, TEXAS
JANUARY 28, 2021
LJA ENGINEERING, INC.
T. JOSEPH
FEBRUARY 1, 2021
6967-1231 (9.2)

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

BIDDER'S NAME	TOTAL BID AMOUNT	TOTAL AMOUNT BID INCL. ALTERNATE
1) C.E. BARKER, LTD.	\$521,590.38	\$768,863.61
2) TEXASITE,LLC	\$547,985.15	\$731,576.40
3) BLAZEY CONSTRUCTION SERVICES, LLC	\$575,747.42	\$1,287,612.17
4) CROSTEX CONSTRUCTION, INC.	\$588,000.00	\$778,000.00
5) R CONSTRUCTION CIVIL, LLC	\$594,951.60	\$849,389.60
6) COOLEY CONSTRUCTION, LLC	\$703,398.00	\$921,614.50
7) PRECISE SERVICES, INC.	\$787,989.10	\$1,122,595.85

CALENDAR DAYS - 50/60



2/3/21

A handwritten signature in blue ink that reads "Justin Graham".

I, Justin Graham, P.E., hereby certify these bid tabulations to be true and correct.

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ITEM	DESCRIPTION	UNIT	QTY	1) C.E. BARKER, LTD.		2) TEXASITE,LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
WATER ITEMS							
1.	8" P.V.C. WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	1,887	\$17.14	\$32,343.18	\$19.00	\$35,853.00
2.	8" P.V.C. WATER PIPE C-900 DR18 CLASS 235 RESTRAINED JOINTS, ALL DEPTHS, COMPLETE IN PLACE	LF	195	\$23.28	\$4,539.60	\$25.00	\$4,875.00
3.	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	4	\$235.41	\$941.64	\$300.00	\$1,200.00
4.	2" BLOW OFF VALVE AND BOX, COMPLETE IN PLACE	EA	4	\$333.18	\$1,332.72	\$500.00	\$2,000.00
5.	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 8" GATE VALVE & BOX, 6" LEAD AND FIRE HYDRANT AND TRENCH SAFETY, COMPLETE IN PLACE	EA	5	\$3,386.41	\$16,932.05	\$3,400.00	\$17,000.00
6.	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	9	\$1,014.53	\$9,130.77	\$1,000.00	\$9,000.00
7.	TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	2,082	\$0.14	\$291.48	\$1.00	\$2,082.00
8.	REMOVE EXISTING 8" PLUG AND CLAMP AND 2" BLOW OFF VALVE AND BOX, CONNECT PROPOSED 8" WATER LINE, COMPLETE IN PLACE	EA	2	\$564.90	\$1,129.80	\$350.00	\$700.00
9.	CAST IRON FITTINGS, COMPLETE IN PLACE	TONS	0.53	\$2,655.07	\$1,407.19	\$2,105.00	\$1,115.65
SUBTOTAL WATER ITEMS					\$68,048.43		\$73,825.65
SANITARY SEWER ITEMS							
1.	8" P.V.C. GREEN SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, COMPLETE IN PLACE	LF	1,556	\$28.10	\$43,723.60	\$36.00	\$56,016.00
2.	8" P.V.C. GREEN SEWER PIPE ASTM D-2241, SDR 26, 8'-12' CUT, COMPLETE IN PLACE	LF	1,786	\$29.38	\$52,472.68	\$37.00	\$66,082.00
3.	8" P.V.C. GREEN SEWER PIPE ASTM D-2241, SDR 26, 12'-16' CUT, COMPLETE IN PLACE	LF	277	\$33.47	\$9,271.19	\$39.00	\$10,803.00
4.	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES (0'-8' DEPTH), INCLUDES INFLOW PROTECTOR, COMPLETE IN PLACE	EA	18	\$1,957.74	\$35,239.32	\$2,300.00	\$41,400.00
5.	EXTRA DEPTH OF SANITARY MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	38.42	\$145.04	\$5,572.44	\$1.00	\$38.42
6.	"LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING DROP STRUCTURE, CEMENT STABILIZED SAND BACKFILL, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	1,489	\$37.34	\$55,599.26	\$36.00	\$53,604.00
7.	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, STACK, RISER, WYE, PLUG, DROP STRUCTURE, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	35	\$1,038.83	\$36,359.05	\$1,100.00	\$38,500.00
8.	T.V. INSPECTION OF SANITARY SEWER LINES, ALL DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	5,108	\$0.01	\$51.08	\$0.01	\$51.08
9.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	5,108	\$0.14	\$715.12	\$1.00	\$5,108.00
10.	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00
11.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING FOR WET SAND CONSTRUCTION, ALL DEPTHS, ALL SIZES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$12.00	\$1,200.00	\$12.00	\$1,200.00
12.	SANITARY SEWER MANHOLE VENT FOR SEALED MANHOLE, COMPLETE IN PLACE	EA	2	\$3,577.04	\$7,154.08	\$1,800.00	\$3,600.00
13.	STANDARD SANITARY SEWER DROP AT MANHOLE, (2.5' DEPTH), COMPLETE IN PLACE	EA	1	\$866.71	\$866.71	\$550.00	\$550.00

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ITEM	DESCRIPTION	UNIT	QTY	1) C.E. BARKER, LTD.		2) TEXASITE,LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
14.	REMOVE AND DISPOSE OF EXISTING 8" SANITARY SEWER PLUG AND CONNECT PROPOSED 8" SANITARY SEWER, COMPLETE IN PLACE	EA	1	\$465.55	\$465.55	\$300.00	\$300.00
15.	REMOVE AND DISPOSE OF EXISTING 8" SANITARY SEWER PLUG AND CONSTRUCT PROPOSED SANITARY SEWER MANHOLE, COMPLETE IN PLACE	EA	1	\$3,042.81	\$3,042.81	\$2,400.00	\$2,400.00
16.	8" SANITARY SEWER PLUG, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$188.20	\$188.20	\$125.00	\$125.00
17.	EXTRA DEPTH ON SANITARY SEWER DROP, (OVER 2' OF DEPTH), COMPLETE IN PLACE	EA	1	\$46.30	\$46.30	\$25.00	\$25.00
SUBTOTAL SANITARY SEWER ITEMS					\$253,967.39	\$281,802.50	
DRAINAGE FACILITIES ITEMS							
1.	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	1,294	\$60.03	\$77,678.82	\$51.00	\$65,994.00
2.	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	30	\$73.12	\$2,193.60	\$63.00	\$1,890.00
3.	36" R.C.P. STORM SEWER, ASTM C-76 CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	298	\$97.28	\$28,989.44	\$91.00	\$27,118.00
4.	24" C.G.M.P. STORM SEWER, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, COMPLETE IN PLACE	LF	37	\$80.67	\$2,984.79	\$57.00	\$2,109.00
5.	OVERFLOW SWALE, COMPLETE IN PLACE	LF	634	\$5.65	\$3,582.10	\$6.00	\$3,804.00
6.	STAGE I – STANDARD 5' PRECAST INLET ("B-B"), (INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS), COMPLETE IN PLACE	EA	15	\$1,052.03	\$15,780.45	\$1,100.00	\$16,500.00
7.	STAGE II – STANDARD 5' PRECAST INLET ("B-B"), (INCLUDES TEMPORARY SAND-FILLED BURLAP BAGS FOR EROSION AND SEDIMENT CONTROL), COMPLETE IN PLACE	EA	15	\$941.87	\$14,128.05	\$1,200.00	\$18,000.00
8.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	12	\$2,415.26	\$28,983.12	\$2,400.00	\$28,800.00
9.	DEWATERING FOR STORM SEWER ALL SIZES, ALL DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00
10.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING FOR WET SAND CONSTRUCTION, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	100	\$12.00	\$1,200.00	\$12.00	\$1,200.00
11.	WATER, OFFSITE WATER, SANITARY SEWER, AND STORM SEWER UTILITY SPOIL TO BE HAULED OFFSITE TO A DESIGNATED FILL LOCATION WITHIN 1.0 MILE OF THE PROJECT, PLACED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY, INCLUDES SITE PREP, ANY TEMPORARY TRAFFIC CONTROL, FLAGMEN, ETC., REQUIRED TO CROSS OR TRAVERSE EXISTING ROADWAYS, COMPLETE IN PLACE	LS	1	\$1,904.12	\$1,904.12	\$5,500.00	\$5,500.00
12.	TRENCH SAFETY SYSTEM, ALL SIZES AND ALL DEPTHS, COMPLETE IN PLACE	LF	1,659	\$0.14	\$232.26	\$1.00	\$1,659.00
13.	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
14.	STORM WATER POLLUTION PREVENTION PLAN, INCLUDES CONTRACTOR'S BOOKLET, NOI & NOT, COMPLETE IN PLACE	LS	1	\$716.04	\$716.04	\$1,100.00	\$1,100.00
15.	METHOD "A" FULL CONSTRUCTION STAKING (BY GBI SURVEYING COORDINATE WITH JON BORDOVSKY: 281.499.4539), OWNER ONLY PROVIDES LIMITED CONTROL STAKING, COMPLETE IN PLACE	LS	1	\$13,378.00	\$13,378.00	\$13,378.00	\$13,378.00
16.	CONCRETE TRUCK WASHOUT, (INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL), COMPLETE IN PLACE	EA	1	\$1,266.84	\$1,266.84	\$5.00	\$5.00

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ITEM	DESCRIPTION	UNIT	QTY	1) C.E. BARKER, LTD.		2) TEXASITE,LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
17.	BREAK INTO EXIST MANHOLE #D-33 AND CONNECT PROPOSED STORM SEWER, COMPLETE IN PLACE	EA	1	\$1,624.86	\$1,624.86	\$450.00	\$450.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$198,142.49	\$191,007.00	
MISCELLANEOUS ITEMS							
1.	STORMWATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$716.04	\$716.04	\$1,100.00	\$1,100.00
2.	DEDUCT FOR DAMAGE TO TREES OUTSIDE CLEARING LIMITS OR MARKED FOR PRESERVATION, COMPLETE IN PLACE	EA	0	(\$1,000.00)	\$0.00	(\$100,000.00)	\$0.00
3.	DEDUCT FOR DAMAGE TO OWNER INSTALLED EROSION CONTROL FENCE, COMPLETE IN PLACE	LF	0	(\$2.00)	\$0.00	(\$2.00)	\$0.00
4.	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DICTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$716.04	\$716.04	\$250.00	\$250.00
SUBTOTAL MISCELLANEOUS ITEMS					\$1,432.08	\$1,350.00	
ALTERNATE BID ITEM							
1.	18" THICK RIP RAP, (INCLUDES FILTER FABRIC), COMPLETE IN PLACE	SY	23	\$89.51	\$2,058.73	\$75.00	\$1,725.00
2.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER WITH TYPE "E" INLET TOP, COMPLETE IN PLACE	EA	1	\$5,590.62	\$5,590.62	\$3,000.00	\$3,000.00
3.	INLET PROTECTION BARRIER FOR TYPE 'E' INLET, COMPLETE IN PLACE	EA	1	\$58.38	\$58.38	\$80.00	\$80.00
4.	COFFER DAM AND BYPASS PUMPING FOR OUTFALL CONSTRUCTION, (INCLUDING INSTALLATION, MAINTENANCE, AND REMOVAL), COMPLETE IN PLACE	LS	1	\$14,320.80	\$14,320.80	\$14,000.00	\$14,000.00
5.	30" C.G.M.P. STORM SEWER, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, COMPLETE IN PLACE	LF	105	\$104.12	\$10,932.60	\$60.00	\$6,300.00
6.	TRENCH SAFETY SYSTEM, ALL SIZES AND ALL DEPTHS, COMPLETE IN PLACE	LF	105	\$0.14	\$14.70	\$1.00	\$105.00
7.	DRY APPLICATION SEEDING SLOPES AND BACKSLOPES SWALES, COMPLETE IN PLACE	AC	1.95	\$2,881.10	\$5,618.15	\$2,500.00	\$4,875.00
8.	EXCAVATION OF TAVOLA POND A, INCLUDES STRIPPING OF EXCAVATION AREA, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	52,475	\$2.34	\$122,791.50	\$2.20	\$115,445.00
9.	HAUL AND PLACEMENT OF EXCAVATION IN TAVOLA SECTION 31 AND 34 (PHASE 2), TO BE HAULED UTILITIZING OFF ROAD TRUCKS, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY IN MAX 8" LIFTS, MANIPULATION, AND STOCKPILING AND REAPPLICATION OF STRIPPINGS WHERE APPLICABLE, COMPLETE IN PLACE	CY	52,475	\$1.23	\$64,544.25	\$0.55	\$28,861.25
10.	REMOVE AND DISPOSE OF EXISTING STM M.H. #D-1, COMPLETE IN PLACE	EA	1	\$2,340.90	\$2,340.90	\$1,100.00	\$1,100.00
11.	REMOVE AND DISPOSE OF EXISTING 30" C.G.M.P. STM., COMPLETE IN PLACE	EA	1	\$4,131.00	\$4,131.00	\$2,700.00	\$2,700.00
12.	REMOVE AND DISPOSE OF EXISTING 30" OUTFALL, COMPLETE IN PLACE	EA	1	\$4,131.00	\$4,131.00	\$2,700.00	\$2,700.00
13.	RE-ESTABLISH EXISTING POND HIGH BANK AND SIDE SLOPES TO ORIGINAL OR BETTER CONDITION, COMPLETE IN PLACE	EA	1	\$10,740.60	\$10,740.60	\$2,700.00	\$2,700.00
SUBTOTAL ALTERNATE BID ITEMS					\$247,273.23	\$183,591.25	
BID SUMMARY							
SUBTOTAL WATER ITEMS					\$68,048.43	\$73,825.65	
SUBTOTAL SANITARY SEWER ITEMS					\$253,967.39	\$281,802.50	
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$198,142.49	\$191,007.00	

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ITEM DESCRIPTION	UNIT	QTY	1) C.E. BARKER, LTD.		2) TEXASITE,LLC	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
SUBTOTAL MISCELLANEOUS ITEMS				\$1,432.08		\$1,350.00
TOTAL AMOUNT BID				\$521,590.38		\$547,985.15
<u>ALTERNATE BID</u>						
TOTAL AMOUNT BID				\$521,590.38		\$547,985.15
SUBTOTAL ALTERNATE BID ITEMS				\$247,273.23		\$183,591.25
TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEMS				\$768,863.61		\$731,576.40

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ITEM	DESCRIPTION	UNIT	QTY	3) BLAZEY CONSTRUCTION SERVICES, LLC		4) CROSTEX CONSTRUCTION, INC.		5) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
WATER ITEMS									
1.	8" P.V.C. WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	1,887	\$17.92	\$33,815.04	\$20.00	\$37,740.00	\$21.00	\$39,627.00
2.	8" P.V.C. WATER PIPE C-900 DR18 CLASS 235 RESTRAINED JOINTS, ALL DEPTHS, COMPLETE IN PLACE	LF	195	\$21.57	\$4,206.15	\$30.00	\$5,850.00	\$38.00	\$7,410.00
3.	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	4	\$504.62	\$2,018.48	\$115.00	\$460.00	\$150.00	\$600.00
4.	2" BLOW OFF VALVE AND BOX, COMPLETE IN PLACE	EA	4	\$886.00	\$3,544.00	\$730.00	\$2,920.00	\$800.00	\$3,200.00
5.	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD AND FIRE HYDRANT AND TRENCH SAFETY, COMPLETE IN PLACE	EA	5	\$3,235.93	\$16,179.65	\$3,700.00	\$18,500.00	\$4,400.00	\$22,000.00
6.	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	9	\$980.70	\$8,826.30	\$1,005.00	\$9,045.00	\$1,100.00	\$9,900.00
7.	TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	2,082	\$0.21	\$437.22	\$0.10	\$208.20	\$0.10	\$208.20
8.	REMOVE EXISTING 8" PLUG AND CLAMP AND 2" BLOW OFF VALVE AND BOX, CONNECT PROPOSED 8" WATER LINE, COMPLETE IN PLACE	EA	2	\$336.01	\$672.02	\$200.00	\$400.00	\$200.00	\$400.00
9.	CAST IRON FITTINGS, COMPLETE IN PLACE	TONS	0.53	\$2,171.71	\$1,151.01	\$3,000.00	\$1,590.00	\$1,100.00	\$583.00
SUBTOTAL WATER ITEMS					\$70,849.87		\$76,713.20		\$83,928.20
SANITARY SEWER ITEMS									
1.	8" P.V.C. GREEN SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, COMPLETE IN PLACE	LF	1,556	\$32.21	\$50,118.76	\$24.25	\$37,733.00	\$27.00	\$42,012.00
2.	8" P.V.C. GREEN SEWER PIPE ASTM D-2241, SDR 26, 8'-12' CUT, COMPLETE IN PLACE	LF	1,786	\$33.79	\$60,348.94	\$28.00	\$50,008.00	\$28.00	\$50,008.00
3.	8" P.V.C. GREEN SEWER PIPE ASTM D-2241, SDR 26, 12'-16' CUT, COMPLETE IN PLACE	LF	277	\$35.69	\$9,886.13	\$32.00	\$8,864.00	\$33.00	\$9,141.00
4.	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (0'-8 DEPTH), INCLUDES INFLOW PROTECTOR, COMPLETE IN PLACE	EA	18	\$2,539.41	\$45,709.38	\$2,350.00	\$42,300.00	\$2,000.00	\$36,000.00
5.	EXTRA DEPTH OF SANITARY MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	38.42	\$118.16	\$4,539.71	\$235.00	\$9,028.70	\$135.00	\$5,186.70
6.	"LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING DROP STRUCTURE, CEMENT STABILIZED SAND BACKFILL, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	1,489	\$40.94	\$60,959.66	\$38.00	\$56,582.00	\$38.00	\$56,582.00
7.	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, STACK, RISER, WYE, PLUG, DROP STRUCTURE, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	35	\$1,091.16	\$38,190.60	\$1,325.00	\$46,375.00	\$1,100.00	\$38,500.00
8.	T.V. INSPECTION OF SANITARY SEWER LINES, ALL DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	5,108	\$2.31	\$11,799.48	\$0.25	\$1,277.00	\$2.00	\$10,216.00
9.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	5,108	\$0.21	\$1,072.68	\$4.00	\$20,432.00	\$0.10	\$510.80
10.	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
11.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING FOR WET SAND CONSTRUCTION, ALL DEPTHS, ALL SIZES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$12.00	\$1,200.00	\$12.00	\$1,200.00	\$12.00	\$1,200.00
12.	SANITARY SEWER MANHOLE VENT FOR SEALED MANHOLE, COMPLETE IN PLACE	EA	2	\$5,089.78	\$10,179.56	\$2,000.00	\$4,000.00	\$7,200.00	\$14,400.00
13.	STANDARD SANITARY SEWER DROP AT MANHOLE, (2.5' DEPTH), COMPLETE IN PLACE	EA	1	\$420.85	\$420.85	\$450.00	\$450.00	\$700.00	\$700.00

BID TABULATION FOR:

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 LJA JOB NO.

CONSTRUCTION OF THE WATER, SANITARY SEWER,
 DRAINAGE FACILITIES AND DETENTION POND A EXPANSION
 TO SERVE TAVOLA SECTION 31
 EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 7
 CITY OF HOUSTON E.T.J., MONTGOMERY COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 T. JOSEPH
 FEBRUARY 1, 2021
 6967-1231 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	3) BLAZEY CONSTRUCTION SERVICES, LLC		4) CROSTEX CONSTRUCTION, INC.		5) R CONSTRUCTION CIVIL, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
14.	REMOVE AND DISPOSE OF EXISTING 8" SANITARY SEWER PLUG AND CONNECT PROPOSED 8" SANITARY SEWER, COMPLETE IN PLACE	EA	1	\$239.13	\$239.13	\$500.00	\$500.00	\$150.00	\$150.00
15.	REMOVE AND DISPOSE OF EXISTING 8" SANITARY SEWER PLUG AND CONSTRUCT PROPOSED SANITARY SEWER MANHOLE. COMPLETE IN PLACE	EA	1	\$1,262.19	\$1,262.19	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00
16.	8" SANITARY SEWER PLUG, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$140.55	\$140.55	\$100.00	\$100.00	\$50.00	\$50.00
17.	EXTRA DEPTH ON SANITARY SEWER DROP, (OVER 2' OF DEPTH), COMPLETE IN PLACE	EA	1	\$13.81	\$13.81	\$100.00	\$100.00	\$45.00	\$45.00
SUBTOTAL SANITARY SEWER ITEMS					\$298,081.43		\$283,449.70		\$268,701.50
DRAINAGE FACILITIES ITEMS									
1.	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	1,294	\$53.20	\$68,840.80	\$56.25	\$72,787.50	\$60.00	\$77,640.00
2.	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	30	\$61.82	\$1,854.60	\$70.00	\$2,100.00	\$85.00	\$2,550.00
3.	36" R.C.P. STORM SEWER, ASTM C-76 CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	298	\$87.37	\$26,036.26	\$93.00	\$27,714.00	\$101.00	\$30,098.00
4.	24" C.G.M.P. STORM SEWER, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, COMPLETE IN PLACE	LF	37	\$102.28	\$3,784.36	\$60.00	\$2,220.00	\$83.00	\$3,071.00
5.	OVERFLOW SWALE, COMPLETE IN PLACE	LF	634	\$2.69	\$1,705.46	\$10.00	\$6,340.00	\$3.50	\$2,219.00
6.	STAGE I – STANDARD 5' PRECAST INLET ("B-B"), (INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS), COMPLETE IN PLACE	EA	15	\$1,160.14	\$17,402.10	\$2,000.00	\$30,000.00	\$1,000.00	\$15,000.00
7.	STAGE II – STANDARD 5' PRECAST INLET ("B-B"), (INCLUDES TEMPORARY SAND-FILLED BURLAP BAGS FOR EROSION AND SEDIMENT CONTROL), COMPLETE IN PLACE	EA	15	\$1,214.17	\$18,212.55	\$450.00	\$6,750.00	\$1,800.00	\$27,000.00
8.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER. ALL DEPTHS, COMPLETE IN PLACE	EA	12	\$2,723.10	\$32,677.20	\$2,400.00	\$28,800.00	\$3,200.00	\$38,400.00
9.	DEWATERING FOR STORM SEWER ALL SIZES, ALL DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$40.00	\$4,000.00	\$20.00	\$2,000.00
10.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING FOR WET SAND CONSTRUCTION, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	100	\$12.00	\$1,200.00	\$12.00	\$1,200.00	\$12.00	\$1,200.00
11.	WATER, OFFSITE WATER, SANITARY SEWER, AND STORM SEWER UTILITY SPOIL TO BE HAULED OFFSITE TO A DESIGNATED FILL LOCATION WITHIN 1.0 MILE OF THE PROJECT, PLACED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY, INCLUDES SITE PREP, ANY TEMPORARY TRAFFIC CONTROL, FLAGMEN, ETC., REQUIRED TO CROSS OR TRAVERSE EXISTING ROADWAYS, COMPLETE IN PLACE	LS	1	\$13,964.61	\$13,964.61	\$27,500.00	\$27,500.00	\$25,000.00	\$25,000.00
12.	TRENCH SAFETY SYSTEM, ALL SIZES AND ALL DEPTHS, COMPLETE IN PLACE	LF	1,659	\$0.21	\$348.39	\$0.25	\$414.75	\$0.10	\$165.90
13.	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
14.	STORM WATER POLLUTION PREVENTION PLAN, INCLUDES CONTRACTOR'S BOOKLET, NOI & NOT, COMPLETE IN PLACE	LS	1	\$671.38	\$671.38	\$750.00	\$750.00	\$1,200.00	\$1,200.00
15.	METHOD "A" FULL CONSTRUCTION STAKING (BY GBI SURVEYING COORDINATE WITH JON BORDOVSKY: 281.499.4539), OWNER ONLY PROVIDES LIMITED CONTROL STAKING, COMPLETE IN PLACE	LS	1	\$13,378.00	\$13,378.00	\$13,500.00	\$13,500.00	\$13,378.00	\$13,378.00
16.	CONCRETE TRUCK WASHOUT, (INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL), COMPLETE IN PLACE	EA	1	\$807.00	\$807.00	\$500.00	\$500.00	\$500.00	\$500.00

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 DRAINAGE FACILITIES AND DETENTION POND A EXPANSION
 TO SERVE TAVOLA SECTION 31
 EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 7
 CITY OF HOUSTON E.T.J., MONTGOMERY COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 T. JOSEPH
 FEBRUARY 1, 2021
 6967-1231 (9.2)

ITEM DESCRIPTION	UNIT	QTY	3) BLAZEY CONSTRUCTION SERVICES, LLC		4) CROSTEX CONSTRUCTION, INC.		5) R CONSTRUCTION CIVIL, LLC	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
17. BREAK INTO EXIST MANHOLE #D-33 AND CONNECT PROPOSED STORM SEWER, COMPLETE IN PLACE	EA	1	\$726.00	\$726.00	\$500.00	\$500.00	\$500.00	\$500.00
SUBTOTAL DRAINAGE FACILITIES ITEMS				\$205,108.71		\$226,576.25		\$241,421.90
MISCELLANEOUS ITEMS								
1. STORMWATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$1,600.00	\$1,600.00	\$1,060.85	\$1,060.85	\$500.00	\$500.00
2. DEDUCT FOR DAMAGE TO TREES OUTSIDE CLEARING LIMITS OR MARKED FOR PRESERVATION, COMPLETE IN PLACE	EA	0	(\$1,000.00)	\$0.00	(\$1,000.00)	\$0.00	(\$1,000.00)	\$0.00
3. DEDUCT FOR DAMAGE TO OWNER INSTALLED EROSION CONTROL FENCE, COMPLETE IN PLACE	LF	0	(\$2.00)	\$0.00	(\$2.00)	\$0.00	(\$2.00)	\$0.00
4. ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$107.42	\$107.42	\$200.00	\$200.00	\$400.00	\$400.00
SUBTOTAL MISCELLANEOUS ITEMS				\$1,707.42		\$1,260.85		\$900.00
ALTERNATE BID ITEM								
1. 18" THICK RIP RAP, (INCLUDES FILTER FABRIC), COMPLETE IN PLACE	SY	23	\$86.09	\$1,980.07	\$120.00	\$2,760.00	\$120.00	\$2,760.00
2. TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER WITH TYPE "E" INLET TOP, COMPLETE IN PLACE	EA	1	\$6,196.18	\$6,196.18	\$3,500.00	\$3,500.00	\$7,000.00	\$7,000.00
3. INLET PROTECTION BARRIER FOR TYPE "E" INLET, COMPLETE IN PLACE	EA	1	\$53.81	\$53.81	\$100.00	\$100.00	\$50.00	\$50.00
4. COFFER DAM AND BYPASS PUMPING FOR OUTFALL CONSTRUCTION, (INCLUDING INSTALLATION, MAINTENANCE, AND REMOVAL), COMPLETE IN PLACE	LS	1	\$6,994.65	\$6,994.65	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00
5. 30" C.G.M.P. STORM SEWER, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, COMPLETE IN PLACE	LF	105	\$108.69	\$11,412.45	\$75.00	\$7,875.00	\$95.00	\$9,975.00
6. TRENCH SAFETY SYSTEM, ALL SIZES AND ALL DEPTHS, COMPLETE IN PLACE	LF	105	\$0.22	\$23.10	\$0.25	\$26.25	\$0.10	\$10.50
7. DRY APPLICATION SEEDING SLOPES AND BACKSLOPES SWALES, COMPLETE IN PLACE	AC	1.95	\$2,259.81	\$4,406.63	\$4,500.00	\$8,775.00	\$2,200.00	\$4,290.00
8. EXCAVATION OF TAVOLA POND A, INCLUDES STRIPPING OF EXCAVATION AREA, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	52,475	\$1.88	\$98,653.00	\$1.15	\$60,346.25	\$1.00	\$52,475.00
9. HAUL AND PLACEMENT OF EXCAVATION IN TAVOLA SECTION 31 AND 34 (PHASE 2), TO BE HAULED UTILIZING OFF ROAD TRUCKS, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY IN MAX 8" LIFTS, MANIPULATION, AND STOCKPILING AND REAPPLICATION OF STRIPPINGS WHERE APPLICABLE, COMPLETE IN PLACE	CY	52,475	\$10.98	\$576,175.50	\$1.75	\$91,831.25	\$2.90	\$152,177.50
10. REMOVE AND DISPOSE OF EXISTING STM M.H. #D-1, COMPLETE IN PLACE	EA	1	\$1,076.10	\$1,076.10	\$1,786.25	\$1,786.25	\$1,200.00	\$1,200.00
11. REMOVE AND DISPOSE OF EXISTING 30" C.G.M.P. STM., COMPLETE IN PLACE	EA	1	\$1,126.91	\$1,126.91	\$1,500.00	\$1,500.00	\$3,500.00	\$3,500.00
12. REMOVE AND DISPOSE OF EXISTING 30" OUTFALL, COMPLETE IN PLACE	EA	1	\$1,183.71	\$1,183.71	\$1,500.00	\$1,500.00	\$6,000.00	\$6,000.00
13. RE-ESTABLISH EXISTING POND HIGH BANK AND SIDE SLOPES TO ORIGINAL OR BETTER CONDITION, COMPLETE IN PLACE	EA	1	\$2,582.64	\$2,582.64	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
SUBTOTAL ALTERNATE BID ITEMS				\$711,864.75		\$190,000.00		\$254,438.00
BID SUMMARY								
SUBTOTAL WATER ITEMS				\$70,849.87		\$76,713.20		\$83,928.20
SUBTOTAL SANITARY SEWER ITEMS				\$298,081.43		\$283,449.70		\$268,701.50
SUBTOTAL DRAINAGE FACILITIES ITEMS				\$205,108.71		\$226,576.25		\$241,421.90

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 DRAINAGE FACILITIES AND DETENTION POND A EXPANSION
 TO SERVE TAVOLA SECTION 31
 EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 7
 CITY OF HOUSTON E.T.J., MONTGOMERY COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 T. JOSEPH
 FEBRUARY 1, 2021
 6967-1231 (9.2)

ITEM DESCRIPTION	UNIT	QTY	3) BLAZEY CONSTRUCTION SERVICES, LLC		4) CROSTEX CONSTRUCTION, INC.		5) R CONSTRUCTION CIVIL, LLC	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
SUBTOTAL MISCELLANEOUS ITEMS				\$1,707.42		\$1,260.85		\$900.00
TOTAL AMOUNT BID				\$575,747.42		\$588,000.00		\$594,951.60
<u>ALTERNATE BID</u>								
TOTAL AMOUNT BID				\$575,747.42		\$588,000.00		\$594,951.60
SUBTOTAL ALTERNATE BID ITEMS				\$711,864.75		\$190,000.00		\$254,438.00
TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEMS				\$1,287,612.17		\$778,000.00		\$849,389.60

LJA Engineering, Inc.

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 T. JOSEPH
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ITEM	DESCRIPTION	UNIT	QTY	6) COOLEY CONSTRUCTION, LLC		7) PRECISE SERVICES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
WATER ITEMS							
1.	8" P.V.C. WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	1,887	\$22.00	\$41,514.00	\$29.00	\$54,723.00
2.	8" P.V.C. WATER PIPE C-900 DR18 CLASS 235 RESTRAINED JOINTS, ALL DEPTHS, COMPLETE IN PLACE	LF	195	\$31.00	\$6,045.00	\$62.50	\$12,187.50
3.	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	4	\$250.00	\$1,000.00	\$290.00	\$1,180.00
4.	2" BLOW OFF VALVE AND BOX, COMPLETE IN PLACE	EA	4	\$900.00	\$3,600.00	\$1,000.00	\$4,000.00
5.	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD AND FIRE HYDRANT AND TRENCH SAFETY, COMPLETE IN PLACE	EA	5	\$4,590.00	\$22,950.00	\$4,000.00	\$20,000.00
6.	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	9	\$1,200.00	\$10,800.00	\$1,300.00	\$11,700.00
7.	TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	2,082	\$3.00	\$6,246.00	\$0.10	\$208.20
8.	REMOVE EXISTING 8" PLUG AND CLAMP AND 2" BLOW OFF VALVE AND BOX, CONNECT PROPOSED 8" WATER LINE, COMPLETE IN PLACE	EA	2	\$750.00	\$1,500.00	\$445.00	\$890.00
9.	CAST IRON FITTINGS, COMPLETE IN PLACE	TONS	0.53	\$6,500.00	\$3,445.00	\$4,754.71	\$2,520.00
SUBTOTAL WATER ITEMS					\$97,100.00		\$107,388.70
SANITARY SEWER ITEMS							
1.	8" P.V.C. GREEN SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, COMPLETE IN PLACE	LF	1,556	\$30.00	\$46,680.00	\$37.50	\$58,350.00
2.	8" P.V.C. GREEN SEWER PIPE ASTM D-2241, SDR 26, 8'-12' CUT, COMPLETE IN PLACE	LF	1,786	\$33.00	\$58,938.00	\$38.00	\$67,868.00
3.	8" P.V.C. GREEN SEWER PIPE ASTM D-2241, SDR 26, 12'-16' CUT, COMPLETE IN PLACE	LF	277	\$38.00	\$10,526.00	\$40.00	\$11,080.00
4.	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (0'-8 DEPTH), INCLUDES INFLOW PROTECTOR, COMPLETE IN PLACE	EA	18	\$2,715.00	\$48,870.00	\$3,350.00	\$60,300.00
5.	EXTRA DEPTH OF SANITARY MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	38.42	\$200.00	\$7,684.00	\$150.00	\$5,763.00
6.	"LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING DROP STRUCTURE, CEMENT STABILIZED SAND BACKFILL, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	1,489	\$39.00	\$58,071.00	\$39.00	\$58,071.00
7.	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, STACK, RISER, WYE, PLUG, DROP STRUCTURE, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	35	\$1,250.00	\$43,750.00	\$1,700.00	\$59,500.00
8.	T.V. INSPECTION OF SANITARY SEWER LINES, ALL DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	5,108	\$2.00	\$10,216.00	\$1.40	\$7,151.20
9.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	5,108	\$3.00	\$15,324.00	\$0.10	\$510.80
10.	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00
11.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING FOR WET SAND CONSTRUCTION, ALL DEPTHS, ALL SIZES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$12.00	\$1,200.00	\$12.00	\$1,200.00
12.	SANITARY SEWER MANHOLE VENT FOR SEALED MANHOLE, COMPLETE IN PLACE	EA	2	\$7,572.00	\$15,144.00	\$11,000.00	\$22,000.00
13.	STANDARD SANITARY SEWER DROP AT MANHOLE, (2.5' DEPTH), COMPLETE IN PLACE	EA	1	\$757.00	\$757.00	\$925.00	\$925.00

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ITEM	DESCRIPTION	UNIT	QTY	6) COOLEY CONSTRUCTION, LLC		7) PRECISE SERVICES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
14.	REMOVE AND DISPOSE OF EXISTING 8" SANITARY SEWER PLUG AND CONNECT PROPOSED 8" SANITARY SEWER, COMPLETE IN PLACE	EA	1	\$750.00	\$750.00	\$850.00	\$850.00
15.	REMOVE AND DISPOSE OF EXISTING 8" SANITARY SEWER PLUG AND CONSTRUCT PROPOSED SANITARY SEWER MANHOLE, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00	\$1,000.00	\$1,000.00
16.	8" SANITARY SEWER PLUG, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$300.00	\$300.00	\$300.00	\$300.00
17.	EXTRA DEPTH ON SANITARY SEWER DROP, (OVER 2' OF DEPTH), COMPLETE IN PLACE	EA	1	\$200.00	\$200.00	\$250.00	\$250.00
SUBTOTAL SANITARY SEWER ITEMS					\$323,910.00	\$357,119.00	
DRAINAGE FACILITIES ITEMS							
1.	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	1,294	\$64.00	\$82,816.00	\$80.00	\$103,520.00
2.	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	30	\$83.00	\$2,490.00	\$95.00	\$2,850.00
3.	36" R.C.P. STORM SEWER, ASTM C-76 CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	298	\$111.00	\$33,078.00	\$137.50	\$40,975.00
4.	24" C.G.M.P. STORM SEWER, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, COMPLETE IN PLACE	LF	37	\$88.00	\$3,256.00	\$82.50	\$3,052.50
5.	OVERFLOW SWALE, COMPLETE IN PLACE	LF	634	\$3.00	\$1,902.00	\$10.00	\$6,340.00
6.	STAGE I – STANDARD 5' PRECAST INLET ("B-B"), (INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS), COMPLETE IN PLACE	EA	15	\$2,160.00	\$32,400.00	\$1,850.00	\$27,750.00
7.	STAGE II – STANDARD 5' PRECAST INLET ("B-B"), (INCLUDES TEMPORARY SAND-FILLED BURLAP BAGS FOR EROSION AND SEDIMENT CONTROL), COMPLETE IN PLACE	EA	15	\$1,840.00	\$27,600.00	\$1,350.00	\$20,250.00
8.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	12	\$3,500.00	\$42,000.00	\$4,450.00	\$53,400.00
9.	DEWATERING FOR STORM SEWER ALL SIZES, ALL DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00
10.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING FOR WET SAND CONSTRUCTION, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	100	\$12.00	\$1,200.00	\$12.00	\$1,200.00
11.	WATER, OFFSITE WATER, SANITARY SEWER, AND STORM SEWER UTILITY SPOIL TO BE HAULED OFFSITE TO A DESIGNATED FILL LOCATION WITHIN 1.0 MILE OF THE PROJECT, PLACED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY, INCLUDES SITE PREP, ANY TEMPORARY TRAFFIC CONTROL, FLAGMEN, ETC., REQUIRED TO CROSS OR TRAVERSE EXISTING ROADWAYS, COMPLETE IN PLACE	LS	1	\$24,541.00	\$24,541.00	\$40,000.00	\$40,000.00
12.	TRENCH SAFETY SYSTEM, ALL SIZES AND ALL DEPTHS, COMPLETE IN PLACE	LF	1,659	\$3.00	\$4,977.00	\$0.10	\$165.90
13.	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
14.	STORM WATER POLLUTION PREVENTION PLAN, INCLUDES CONTRACTOR'S BOOKLET, NOI & NOT, COMPLETE IN PLACE	LS	1	\$2,500.00	\$2,500.00	\$1,400.00	\$1,400.00
15.	METHOD "A" FULL CONSTRUCTION STAKING (BY GBI SURVEYING COORDINATE WITH JON BORDOVSKY: 281.499.4539), OWNER ONLY PROVIDES LIMITED CONTROL STAKING, COMPLETE IN PLACE	LS	1	\$13,378.00	\$13,378.00	\$13,378.00	\$13,378.00
16.	CONCRETE TRUCK WASHOUT, (INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL), COMPLETE IN PLACE	EA	1	\$750.00	\$750.00	\$1,000.00	\$1,000.00

BID TABULATION FOR:

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

CONSTRUCTION OF THE WATER, SANITARY SEWER,
 DRAINAGE FACILITIES AND DETENTION POND A EXPANSION
 TO SERVE TAVOLA SECTION 31
 EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 7
 CITY OF HOUSTON E.T.J., MONTGOMERY COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 T. JOSEPH
 FEBRUARY 1, 2021
 6967-1231 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	6) COOLEY CONSTRUCTION, LLC		7) PRECISE SERVICES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
17.	BREAK INTO EXIST MANHOLE #D-33 AND CONNECT PROPOSED STORM SEWER, COMPLETE IN PLACE	EA	1	\$2,500.00	\$2,500.00	\$2,850.00	\$2,850.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$278,888.00	\$321,631.40	
MISCELLANEOUS ITEMS							
1.	STORMWATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00
2.	DEDUCT FOR DAMAGE TO TREES OUTSIDE CLEARING LIMITS OR MARKED FOR PRESERVATION, COMPLETE IN PLACE	EA	0	(\$1,000.00)	\$0.00	(\$1,000.00)	\$0.00
3.	DEDUCT FOR DAMAGE TO OWNER INSTALLED EROSION CONTROL FENCE, COMPLETE IN PLACE	LF	0	(\$2.00)	\$0.00	(\$2.00)	\$0.00
4.	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DICTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$350.00	\$350.00
SUBTOTAL MISCELLANEOUS ITEMS					\$3,500.00	\$1,850.00	
ALTERNATE BID ITEM							
1.	18" THICK RIP RAP, (INCLUDES FILTER FABRIC), COMPLETE IN PLACE	SY	23	\$90.00	\$2,070.00	\$150.00	\$3,450.00
2.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER WITH TYPE "E" INLET TOP, COMPLETE IN PLACE	EA	1	\$4,035.00	\$4,035.00	\$11,000.00	\$11,000.00
3.	INLET PROTECTION BARRIER FOR TYPE 'E' INLET, COMPLETE IN PLACE	EA	1	\$250.00	\$250.00	\$100.00	\$100.00
4.	COFFER DAM AND BYPASS PUMPING FOR OUTFALL CONSTRUCTION, (INCLUDING INSTALLATION, MAINTENANCE, AND REMOVAL), COMPLETE IN PLACE	LS	1	\$9,500.00	\$9,500.00	\$35,000.00	\$35,000.00
5.	30" C.G.M.P. STORM SEWER, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, COMPLETE IN PLACE	LF	105	\$92.00	\$9,660.00	\$100.00	\$10,500.00
6.	TRENCH SAFETY SYSTEM, ALL SIZES AND ALL DEPTHS, COMPLETE IN PLACE	LF	105	\$0.10	\$10.50	\$0.10	\$10.50
7.	DRY APPLICATION SEEDING SLOPES AND BACKSLOPES SWALES, COMPLETE IN PLACE	AC	1.95	\$2,500.00	\$4,875.00	\$2,200.00	\$4,290.00
8.	EXCAVATION OF TAVOLA POND A, INCLUDES STRIPPING OF EXCAVATION AREA, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	52,475	\$1.36	\$71,366.00	\$1.50	\$78,712.50
9.	HAUL AND PLACEMENT OF EXCAVATION IN TAVOLA SECTION 31 AND 34 (PHASE 2), TO BE HAULED UTILITIZING OFF ROAD TRUCKS, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY IN MAX 8" LIFTS, MANIPULATION, AND STOCKPILING AND REAPPLICATION OF STRIPPINGS WHERE APPLICABLE, COMPLETE IN PLACE	CY	52,475	\$2.00	\$104,950.00	\$3.25	\$170,543.75
10.	REMOVE AND DISPOSE OF EXISTING STM M.H. #D-1, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$750.00	\$750.00
11.	REMOVE AND DISPOSE OF EXISTING 30" C.G.M.P. STM., COMPLETE IN PLACE	EA	1	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00
12.	REMOVE AND DISPOSE OF EXISTING 30" OUTFALL, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,250.00	\$1,250.00
13.	RE-ESTABLISH EXISTING POND HIGH BANK AND SIDE SLOPES TO ORIGINAL OR BETTER CONDITION, COMPLETE IN PLACE	EA	1	\$5,000.00	\$5,000.00	\$18,000.00	\$18,000.00
SUBTOTAL ALTERNATE BID ITEMS					\$218,216.50	\$334,606.75	
BID SUMMARY							
SUBTOTAL WATER ITEMS					\$97,100.00	\$107,388.70	
SUBTOTAL SANITARY SEWER ITEMS					\$323,910.00	\$357,119.00	
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$278,888.00	\$321,631.40	

BID TABULATION FOR:

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CONSTRUCTION OF THE WATER, SANITARY SEWER,
 DRAINAGE FACILITIES AND DETENTION POND A EXPANSION
 TO SERVE TAVOLA SECTION 31
 EAST MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 7
 CITY OF HOUSTON E.T.J., MONTGOMERY COUNTY, TEXAS
 JANUARY 28, 2021
 LJA ENGINEERING, INC.
 T. JOSEPH
 FEBRUARY 1, 2021
 6967-1231 (9.2)

ITEM DESCRIPTION	UNIT	QTY	6) COOLEY CONSTRUCTION, LLC		7) PRECISE SERVICES, INC.	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
SUBTOTAL MISCELLANEOUS ITEMS				\$3,500.00		\$1,850.00
TOTAL AMOUNT BID				\$703,398.00		\$787,989.10
<u>ALTERNATE BID</u>						
TOTAL AMOUNT BID				\$703,398.00		\$787,989.10
SUBTOTAL ALTERNATE BID ITEMS				\$218,216.50		\$334,606.75
TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEMS				\$921,614.50		\$1,122,595.85

LJA Engineering, Inc.

BID TABULATION FOR:

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ITEM	DESCRIPTION	UNIT	QTY
WATER ITEMS			
1.	8" P.V.C. WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, COMPLETE IN PLACE	LF	1,887
2.	8" P.V.C. WATER PIPE C-900 DR18 CLASS 235 RESTRAINED JOINTS, ALL DEPTHS, COMPLETE IN PLACE	LF	195
3.	8" PLUG AND CLAMP, COMPLETE IN PLACE	EA	4
4.	2" BLOW OFF VALVE AND BOX, COMPLETE IN PLACE	EA	4
5.	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, 6" LEAD AND FIRE HYDRANT AND TRENCH SAFETY, COMPLETE IN PLACE	EA	5
6.	8" AWWA GATE VALVE AND BOX, COMPLETE IN PLACE	EA	9
7.	TRENCH SAFETY SYSTEM, ALL SIZES AND DEPTHS, COMPLETE IN PLACE	LF	2,082
8.	REMOVE EXISTING 8" PLUG AND CLAMP AND 2" BLOW OFF VALVE AND BOX, CONNECT PROPOSED 8" WATER LINE, COMPLETE IN PLACE	EA	2
9.	CAST IRON FITTINGS, COMPLETE IN PLACE	TONS	0.53
SUBTOTAL WATER ITEMS			
SANITARY SEWER ITEMS			
1.	8" P.V.C. GREEN SEWER PIPE, ASTM D-2241, SDR 26, 0'-8' CUT, COMPLETE IN PLACE	LF	1,556
2.	8" P.V.C. GREEN SEWER PIPE ASTM D-2241, SDR 26, 8'-12' CUT, COMPLETE IN PLACE	LF	1,786
3.	8" P.V.C. GREEN SEWER PIPE ASTM D-2241, SDR 26, 12'-16' CUT, COMPLETE IN PLACE	LF	277
4.	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (0'-8' DEPTH), INCLUDES INFLOW PROTECTOR, COMPLETE IN PLACE	EA	18
5.	EXTRA DEPTH OF SANITARY MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	38.42
6.	"LONG SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING DROP STRUCTURE, CEMENT STABILIZED SAND BACKFILL, STACK, RISER, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	LF	1,489
7.	"SHORT SIDE" DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, STACK, RISER, WYE, PLUG, DROP STRUCTURE, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	35
8.	T.V. INSPECTION OF SANITARY SEWER LINES, ALL DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	5,108
9.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	5,108
10.	DEWATERING FOR SANITARY SEWER, ALL SIZES, ALL DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100
11.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING FOR WET SAND CONSTRUCTION, ALL DEPTHS, ALL SIZES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100
12.	SANITARY SEWER MANHOLE VENT FOR SEALED MANHOLE, COMPLETE IN PLACE	EA	2
13.	STANDARD SANITARY SEWER DROP AT MANHOLE, (2.5' DEPTH), COMPLETE IN PLACE	EA	1

MATHEMATICAL ERROR*

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ITEM	DESCRIPTION	UNIT	QTY
14.	REMOVE AND DISPOSE OF EXISTING 8" SANITARY SEWER PLUG AND CONNECT PROPOSED 8" SANITARY SEWER, COMPLETE IN PLACE	EA	1
15.	REMOVE AND DISPOSE OF EXISTING 8" SANITARY SEWER PLUG AND CONSTRUCT PROPOSED SANITARY SEWER MANHOLE, COMPLETE IN PLACE	EA	1
16.	8" SANITARY SEWER PLUG, ALL DEPTHS, COMPLETE IN PLACE	EA	1
17.	EXTRA DEPTH ON SANITARY SEWER DROP, (OVER 2' OF DEPTH), COMPLETE IN PLACE	EA	1
SUBTOTAL SANITARY SEWER ITEMS			
DRAINAGE FACILITIES ITEMS			
1.	24" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	1,294
2.	30" R.C.P. STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	30
3.	36" R.C.P. STORM SEWER, ASTM C-76 CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	298
4.	24" C.G.M.P. STORM SEWER, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, COMPLETE IN PLACE	LF	37
5.	OVERFLOW SWALE, COMPLETE IN PLACE	LF	634
6.	STAGE I – STANDARD 5' PRECAST INLET ("B-B"), (INCLUDES INLET PROTECTION BARRIER FOR STAGE I INLETS), COMPLETE IN PLACE	EA	15
7.	STAGE II – STANDARD 5' PRECAST INLET ("B-B"), (INCLUDES TEMPORARY SAND-FILLED BURLAP BAGS FOR EROSION AND SEDIMENT CONTROL), COMPLETE IN PLACE	EA	15
8.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	12
9.	DEWATERING FOR STORM SEWER ALL SIZES, ALL DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100
10.	ADDITIONAL COST FOR MODIFIED "A-A" BEDDING FOR WET SAND CONSTRUCTION, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	100
11.	WATER, OFFSITE WATER, SANITARY SEWER, AND STORM SEWER UTILITY SPOIL TO BE HAULED OFFSITE TO A DESIGNATED FILL LOCATION WITHIN 1.0 MILE OF THE PROJECT, PLACED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY, INCLUDES SITE PREP, ANY TEMPORARY TRAFFIC CONTROL, FLAGMEN, ETC., REQUIRED TO CROSS OR TRAVERSE EXISTING ROADWAYS, COMPLETE IN PLACE	LS	1
12.	TRENCH SAFETY SYSTEM, ALL SIZES AND ALL DEPTHS, COMPLETE IN PLACE	LF	1,659
13.	INSTALLATION, MAINTENANCE AND REMOVAL OF STABILIZED CONSTRUCTION EXIT, SWMHCA SPECIFICATION NO. 4711, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1
14.	STORM WATER POLLUTION PREVENTION PLAN, INCLUDES CONTRACTOR'S BOOKLET, NOI & NOT, COMPLETE IN PLACE	LS	1
15.	METHOD "A" FULL CONSTRUCTION STAKING (BY GBI SURVEYING COORDINATE WITH JON BORDOVSKY: 281.499.4539), OWNER ONLY PROVIDES LIMITED CONTROL STAKING, COMPLETE IN PLACE	LS	1
16.	CONCRETE TRUCK WASHOUT, (INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL), COMPLETE IN PLACE	EA	1

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ITEM	DESCRIPTION	UNIT	QTY
17.	BREAK INTO EXIST MANHOLE #D-33 AND CONNECT PROPOSED STORM SEWER, COMPLETE IN PLACE	EA	1

SUBTOTAL DRAINAGE FACILITIES ITEMS**MISCELLANEOUS ITEMS**

1.	STORMWATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1
2.	DEDUCT FOR DAMAGE TO TREES OUTSIDE CLEARING LIMITS OR MARKED FOR PRESERVATION, COMPLETE IN PLACE	EA	0
3.	DEDUCT FOR DAMAGE TO OWNER INSTALLED EROSION CONTROL FENCE, COMPLETE IN PLACE	LF	0
4.	ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1

SUBTOTAL MISCELLANEOUS ITEMS**ALTERNATE BID ITEM**

1.	18" THICK RIP RAP, (INCLUDES FILTER FABRIC), COMPLETE IN PLACE	SY	23
2.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER WITH TYPE "E" INLET TOP, COMPLETE IN PLACE	EA	1
3.	INLET PROTECTION BARRIER FOR TYPE 'E' INLET, COMPLETE IN PLACE	EA	1
4.	COFFER DAM AND BYPASS PUMPING FOR OUTFALL CONSTRUCTION, (INCLUDING INSTALLATION, MAINTENANCE, AND REMOVAL), COMPLETE IN PLACE	LS	1
5.	30" C.G.M.P. STORM SEWER, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, COMPLETE IN PLACE	LF	105
6.	TRENCH SAFETY SYSTEM, ALL SIZES AND ALL DEPTHS, COMPLETE IN PLACE	LF	105
7.	DRY APPLICATION SEEDING SLOPES AND BACKSLOPES SWALES, COMPLETE IN PLACE	AC	1.95
8.	EXCAVATION OF TAVOLA POND A, INCLUDES STRIPPING OF EXCAVATION AREA, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	52,475
9.	HAUL AND PLACEMENT OF EXCAVATION IN TAVOLA SECTION 31 AND 34 (PHASE 2), TO BE HAULED UTILIZING OFF ROAD TRUCKS, INCLUDES COMPACTION TO 95% STANDARD PROCTOR DENSITY IN MAX 8" LIFTS, MANIPULATION, AND STOCKPILING AND REAPPLICATION OF STRIPPINGS WHERE APPLICABLE, COMPLETE IN PLACE	CY	52,475
10.	REMOVE AND DISPOSE OF EXISTING STM M.H. #D-1, COMPLETE IN PLACE	EA	1
11.	REMOVE AND DISPOSE OF EXISTING 30" C.G.M.P. STM., COMPLETE IN PLACE	EA	1
12.	REMOVE AND DISPOSE OF EXISTING 30" OUTFALL, COMPLETE IN PLACE	EA	1
13.	RE-ESTABLISH EXISTING POND HIGH BANK AND SIDE SLOPES TO ORIGINAL OR BETTER CONDITION, COMPLETE IN PLACE	EA	1

SUBTOTAL ALTERNATE BID ITEMS**BID SUMMARY**

SUBTOTAL WATER ITEMS

SUBTOTAL SANITARY SEWER ITEMS

SUBTOTAL DRAINAGE FACILITIES ITEMS

MATHEMATICAL ERROR*

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ITEM DESCRIPTION

UNIT QTY

SUBTOTAL MISCELLANEOUS ITEMS

TOTAL AMOUNT BID

ALTERNATE BID

TOTAL AMOUNT BID

SUBTOTAL ALTERNATE BID ITEMS

TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEMS

LJA Engineering, Inc.