

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 NEWPORT SECTION 7 PARTIAL REPLAT NO. 3
NEWPORT MUNICIPAL UTILITY DISTRICT
CITY OF HOUSTON E.T.J, HARRIS COUNTY, TEXAS
APRIL 30, 2019
LJA ENGINEERING, INC.
A.CAROTHERS
APRIL 30, 2019
1680-4273D (9.2)

BIDDER'S NAME	TOTAL BID AMOUNT	TOTAL AMOUNT BID INCLUDING ALTERNATE
1) CROSTEX CONSTRUCTION, INC.	\$477,005.90	\$696,000.90
2) BLAZEY CONSTRUCTION SERVICES, LLC	\$495,241.95	\$711,905.63
3) C.E. BARKER, LTD	\$507,795.05	\$757,746.29
4) SENDERO INDUSTRIES, LLC	\$515,844.63	\$765,651.63
5) PRINCIPAL SERVICES, LTD.	\$581,238.80	\$812,163.80
6) ANGEL BROTHERS ENTERPRISES, LTD	\$668,559.70	\$952,199.70

CALENDAR DAYS - 50/60



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


5/1/19

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ITEM DESCRIPTION	UNIT	QTY	1) CROSTEX CONSTRUCTION, INC.		2) BLAZEY CONSTRUCTION SERVICES, LLC		3) C.E. BARKER, LTD		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
WATER ITEMS									
1. 8" PVC WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, TO INCLUDE FITTINGS, COMPLETE IN PLACE	LF	1,216	\$16.75	\$20,368.00	\$30.00	\$36,480.00	\$16.72	\$20,331.52	
2. 8" PVC WATER PIPE, C-900, DR 18, CLASS 235, WITH RESTRAINED JOINTS, TO INCLUDE BEDDING AND BACKFILL, TO INCLUDE FITTINGS, COMPLETE IN PLACE	LF	413	\$25.00	\$10,325.00	\$38.00	\$15,694.00	\$29.04	\$11,993.52	
3. 6" PVC WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, TO INCLUDE FITTINGS, COMPLETE IN PLACE	LF	132	\$14.00	\$1,848.00	\$27.00	\$3,564.00	\$13.84	\$1,826.88	
4. 6" PVC WATER PIPE, C-900, DR 18, CLASS 235, WITH RESTRAINED JOINTS, TO INCLUDE BEDDING AND BACKFILL TO INCLUDE FITTINGS, COMPLETE IN PLACE	LF	28	\$16.00	\$448.00	\$29.00	\$812.00	\$21.74	\$608.72	
5. 4" PVC WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, TO INCLUDE FITTINGS, COMPLETE IN PLACE	LF	113	\$13.00	\$1,469.00	\$25.00	\$2,825.00	\$12.72	\$1,437.36	
6. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,902	\$1.05	\$1,997.10	\$0.30	\$570.60	\$0.12	\$228.24	
7. FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE AND BOX, 6" LEAD AND FIRE HYDRANT, TRENCH SAFETY, COMPLETE IN PLACE	EA	5	\$3,800.00	\$19,000.00	\$3,782.00	\$18,910.00	\$3,873.49	\$19,367.45	
8. 8" AWWA GATE VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	7	\$980.00	\$6,860.00	\$1,000.00	\$7,000.00	\$1,126.03	\$7,882.21	
9. 6" AWWA GATE VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	1	\$612.00	\$612.00	\$646.00	\$646.00	\$781.85	\$781.85	
10. 2" BLOW OFF VALVE & BOX, PLUG AND CLAMP (ALL SIZES), COMPLETE IN PLACE	EA	4	\$695.00	\$2,780.00	\$890.00	\$3,560.00	\$413.77	\$1,655.08	
11. REMOVE EXISTING PLUG AND CLAMP AND 2" BLOW OFF VALVE AND BOX, CONNECT PROPOSED WATER LINE, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$791.00	\$791.00	\$879.26	\$879.26	
12. STEEL CASING FOR 8" WATER LINE, (EXCLUDES PVC CARRIER PIPE), COMPLETE IN PLACE	LF	22	\$85.00	\$1,870.00	\$77.00	\$1,694.00	\$87.13	\$1,916.86	
SUBTOTAL WATER ITEMS				\$67,677.10		\$92,546.60		\$68,908.95	
SANITARY SEWER ITEMS									
1. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	220	\$24.25	\$5,335.00	\$45.00	\$9,900.00	\$44.51	\$9,792.20	
2. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	117	\$27.75	\$3,246.75	\$67.00	\$7,839.00	\$47.90	\$5,604.30	
3. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 16'-20' CUT TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	804	\$35.00	\$28,140.00	\$71.00	\$57,084.00	\$66.83	\$53,731.32	
4. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,141	\$4.50	\$5,134.50	\$0.30	\$342.30	\$0.12	\$136.92	
5. STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), COMPLETE IN PLACE	EA	9	\$2,100.00	\$18,900.00	\$2,030.00	\$18,270.00	\$2,055.35	\$18,498.15	
6. EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	62.2	\$210.00	\$13,062.00	\$132.00	\$8,210.40	\$140.41	\$8,733.50	
7. LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, TRENCH SAFETY, RISER, WYE, PLUG, MARKER, DROP STRUCTURES, STACKS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	11	\$2,275.00	\$25,025.00	\$1,078.00	\$11,858.00	\$2,320.23	\$25,522.53	
8. SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, TRENCH SAFETY, RISER, WYE, PLUG, MARKER, DROP STRUCTURES, STACKS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	12	\$1,305.00	\$15,660.00	\$673.00	\$8,076.00	\$839.34	\$10,072.08	
9. 2.0' 8" STANDARD DROP STRUCTURE, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$806.00	\$1,212.00	\$1,157.29	\$2,314.58	

MATHEMATICAL ERROR*

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 CITY OF HOUSTON E.T.J, HARRIS COUNTY, TEXAS
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 LJA ENGINEERING, INC.
 A.CAROTHERS
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 1680-4273D (9.2)**

ITEM	DESCRIPTION	UNIT	QTY	1) CROSTEX CONSTRUCTION, INC.		2) BLAZEY CONSTRUCTION SERVICES, LLC		3) C.E. BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10.	EXTRA DEPTH FOR 8" STANDARD DROP STRUCTURE (OVER 2.0'), COMPLETE IN PLACE	VF	10.3	\$50.00	\$515.00	\$16.00	\$164.80	\$42.56	\$438.37
11.	CORE INTO EXISTING SANITARY MANHOLE AND CONNECT 8" SANITARY SEWER, INCLUDING CEMENT STABILIZED SAND, ANY NECESSARY FITTINGS, CONNECTORS AND ADAPTORS, COMPLETE IN PLACE	EA	2	\$1,750.00	\$3,500.00	\$1,837.00	\$3,674.00	\$1,102.17	\$2,204.34
12.	CORE INTO EXISTING SANITARY MANHOLE AND CONNECT STANDARD 8" DROP STRUCTURE INCLUDING CEMENT STABILIZED SAND, ANY NECESSARY FITTINGS, CONNECTORS AND ADAPTERS, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$2,068.00	\$2,068.00	\$1,102.17	\$1,102.17
13.	CORE INTO EXISTING 10" SANITARY SEWER AND CONSTRUCT PROPOSED 6" SANITARY STACK, INCLUDING CEMENT STABILIZED SAND, ANY NECESSARY FITTINGS, CONNECTORS AND ADAPTORS, COMPLETE IN PLACE	EA	7	\$2,200.00	\$15,400.00	\$1,269.00	\$8,883.00	\$1,075.85	\$7,530.95
14.	ADJUST EXISTING SANITARY MANHOLE RIM TO MATCH PROPOSED GRADE, COMPLETE IN PLACE	EA	4	\$100.00	\$400.00	\$165.00	\$660.00	\$369.75	\$1,479.00
15.	ADDITIONAL COST OF SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE GEOTECHNICAL ENGINEER), COMPLETE IN PLACE	LF	1,000	\$5.00	\$5,000.00	\$5.00	\$5,000.00	\$5.00	\$5,000.00
16.	DEWATERING (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE GEOTECHNICAL ENGINEER), COMPLETE IN PLACE	LF	1,000	\$20.00	\$20,000.00	\$20.00	\$20,000.00	\$20.00	\$20,000.00
17.	CONTRACTOR SHALL TV & CLEAN PROPOSED SANITARY SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1,141	\$0.05	\$57.05	\$2.05	\$2,339.05	\$0.12	\$136.92
18.	AUGER FOR 6" PVC PIPE SERVICE LEAD, COMPLETE IN PLACE	LF	10	\$250.00	\$2,500.00	\$386.00	\$3,860.00	\$227.80	\$2,278.00
SUBTOTAL SANITARY SEWER ITEMS					\$164,875.30		\$169,440.55		\$174,575.33
DRAINAGE FACILITIES ITEMS									
1.	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	402	\$52.50	\$21,105.00	\$64.00	\$25,728.00	\$58.73	\$23,609.46
2.	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	714	\$93.60	\$66,830.40	\$76.00	\$54,264.00	\$105.48	\$75,312.72
3.	42" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	174	\$117.50	\$20,445.00	\$99.00	\$17,226.00	\$135.67	\$23,606.58
4.	48" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	179	\$144.00	\$25,776.00	\$145.00	\$25,955.00	\$164.81	\$29,500.99
5.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,470	\$1.05	\$1,543.50	\$0.30	\$441.00	\$0.12	\$176.40
6.	STAGE I - STANDARD (TYPE "B-B") INLET, TO INCLUDE INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	6	\$2,000.00	\$12,000.00	\$1,115.00	\$6,690.00	\$1,064.88	\$6,389.28
7.	STAGE II - STANDARD (TYPE "B-B") INLET, COMPLETE IN PLACE	EA	6	\$400.00	\$2,400.00	\$1,297.00	\$7,782.00	\$946.56	\$5,679.36
8.	STAGE I - STANDARD (TYPE "B-B") INLET WITH 5' EXTENSION, TO INCLUDE INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	2	\$2,200.00	\$4,400.00	\$1,391.00	\$2,782.00	\$1,301.52	\$2,603.04
9.	STAGE II - STANDARD (TYPE "B-B") INLET WITH 5' EXTENSION, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$1,297.00	\$2,594.00	\$1,183.20	\$2,366.40
10.	STAGE I - STANDARD (TYPE "C-2") INLET, TO INCLUDE PROTECTION BARRIERS, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00	\$1,391.00	\$2,782.00	\$1,419.84	\$2,839.68
11.	STAGE II - STANDARD (TYPE "C-2") INLET, COMPLETE IN PLACE	EA	2	\$500.00	\$1,000.00	\$1,959.00	\$3,918.00	\$1,538.16	\$3,076.32
12.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	10	\$2,400.00	\$24,000.00	\$2,141.00	\$21,410.00	\$2,386.13	\$23,861.30

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 TO SERVE NEWPORT SECTION 7 PARTIAL REPLAT NO. 3
 NEWPORT MUNICIPAL UTILITY DISTRICT
 CITY OF HOUSTON E.T.J, HARRIS COUNTY, TEXAS
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 A.CAROTHERS
 APRIL 30, 2019
 1680-4273D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) CROSTEX CONSTRUCTION, INC.		2) BLAZEY CONSTRUCTION SERVICES, LLC		3) C.E. BARKER, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
13.	TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$3,800.00	\$7,600.00	\$3,565.00	\$7,130.00	\$3,214.37	\$6,428.74
14.	8" BRICK WALL PLUG FOR 30" STORM SEWER, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$132.00	\$132.00	\$354.96	\$354.96
15.	8" BRICK WALL PLUG FOR 36" STORM SEWER, COMPLETE IN PLACE	EA	1	\$125.00	\$125.00	\$177.00	\$177.00	\$414.12	\$414.12
16.	EXCAVATION, HAULING, GRADING AND HYDROMULCH SEEDING OF SIDE SLOPES OF OVERFLOW SWALE PER DETAIL ON SHEET 10 OF 25, COMPLETE IN PLACE	LF	152	\$10.00	\$1,520.00	\$11.05	\$1,679.60	\$20.41	\$3,102.32
17.	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 GEOTECHNICAL ENGINEER), COMPLETE IN PLACE	LF	500	\$5.00	\$2,500.00	\$5.00	\$2,500.00	\$5.00	\$2,500.00
18.	DEWATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$20.00	\$10,000.00
19.	ADJUST EXISTING STORM MANHOLE RIM TO MATCH PROPOSED GRADE, COMPLETE IN PLACE	EA	6	\$100.00	\$600.00	\$331.00	\$1,986.00	\$493.01	\$2,958.06
20.	BREAK INTO EXISTING STORM MANHOLE AND CONNECT PROPOSED 24" STORM SEWER, COMPLETE IN PLACE	EA	1	\$150.00	\$150.00	\$684.00	\$684.00	\$1,360.68	\$1,360.68
21.	BREAK INTO EXISTING STORM MANHOLE AND CONNECT PROPOSED 48" STORM SEWER, COMPLETE IN PLACE	EA	1	\$200.00	\$200.00	\$839.00	\$839.00	\$1,774.80	\$1,774.80
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$207,294.90	\$196,699.60	\$227,915.21		
MISCELLANEOUS ITEMS									
1.	FILTER FABRIC FENCE (SILT BARRIER FENCING), TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	4,191	\$1.00	\$4,191.00	\$1.00	\$4,191.00	\$1.00	\$4,191.00
2.	REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	3,591	\$1.50	\$5,386.50	\$1.50	\$5,386.50	\$1.50	\$5,386.50
3.	STAGE II INLET PROTECTION BARRIERS, (SAND BAGS FOR PROPOSED AND EXISTING INLETS), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	16	\$50.00	\$800.00	\$72.00	\$1,152.00	\$70.99	\$1,135.84
4.	HYDROMULCH SEEDING R.O.W. AND MEDIANS, TO INCLUDE WATERING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1.3	\$1,500.00	\$1,950.00	\$1,655.00	\$2,151.50	\$1,715.76	\$2,230.49
5.	BROADCAST SEEDING FOR EASEMENTS & RESERVES, WITH FERTILIZING AND WATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	6.6	\$500.00	\$3,300.00	\$662.00	\$4,369.20	\$769.20	\$5,076.72
6.	INSTALL, MAINTAIN AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$2,207.00	\$2,207.00	\$2,366.40	\$2,366.40
7.	CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$579.00	\$579.00	\$1,183.20	\$1,183.20
8.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDING INSPECTIONS, MAINTENANCE OF FILTER FABRIC AND STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	LS	1	\$1,031.10	\$1,031.10	\$552.00	\$552.00	\$591.60	\$591.60
9.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$7,500.00	\$7,500.00	\$4,967.00	\$4,967.00	\$3,233.81	\$3,233.81
10.	CLEARING, GRUBBING AND STRIPPING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1	\$11,000.00	\$11,000.00	\$11,000.00	\$11,000.00	\$11,000.00	\$11,000.00
SUBTOTAL MISCELLANEOUS ITEMS					\$37,158.60	\$36,555.20	\$36,395.56		
ALTERNATE BID ITEMS									

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1.	54" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	893	\$215.00	\$191,995.00	\$202.00	\$180,386.00	\$246.18	\$219,838.74
2.	TYPE "C" MANHOLE PER 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$4,500.00	\$27,000.00	\$6,046.28	\$36,277.68	\$5,018.75	\$30,112.50
SUBTOTAL ALTERNATE BID ITEMS					\$218,995.00	\$216,663.68			
BID SUMMARY									
SUBTOTAL WATER ITEMS					\$67,677.10	\$92,546.60	\$68,908.95		
SUBTOTAL SANITARY SEWER ITEMS					\$164,875.30	\$169,440.55	\$174,575.33		
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$207,294.90	\$196,699.60	\$227,915.21		
SUBTOTAL MISCELLANEOUS ITEMS					\$37,158.60	\$36,555.20	\$36,395.56		
TOTAL AMOUNT BID					\$477,005.90	\$495,241.95	\$507,795.05		
ALTERNATE BID									
TOTAL AMOUNT BID					\$477,005.90	\$495,241.95	\$507,795.05		
SUBTOTAL BID ALTERNATE ITEMS					\$218,995.00	\$216,663.68	\$249,951.24		
TOTAL AMOUNT BID INCLUDING ALTERNATE					\$696,000.90	\$711,905.63	\$757,746.29		

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			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
WATER ITEMS									
1. 8" PVC WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, TO INCLUDE FITTINGS, COMPLETE IN PLACE	LF	1,216	\$21.00	\$25,536.00	\$23.00	\$27,968.00	\$34.00	\$41,344.00	
2. 8" PVC WATER PIPE, C-900, DR 18, CLASS 235, WITH RESTRAINED JOINTS, TO INCLUDE BEDDING AND BACKFILL, TO INCLUDE FITTINGS, COMPLETE IN PLACE	LF	413	\$24.00	\$9,912.00	\$31.00	\$12,803.00	\$52.00	\$21,476.00	
3. 6" PVC WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, TO INCLUDE FITTINGS, COMPLETE IN PLACE	LF	132	\$16.00	\$2,112.00	\$21.00	\$2,772.00	\$25.00	\$3,300.00	
4. 6" PVC WATER PIPE, C-900, DR 18, CLASS 235, WITH RESTRAINED JOINTS, TO INCLUDE BEDDING AND BACKFILL, TO INCLUDE FITTINGS, COMPLETE IN PLACE	LF	28	\$18.00	\$504.00	\$22.00	\$616.00	\$31.00	\$868.00	
5. 4" PVC WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, TO INCLUDE FITTINGS, COMPLETE IN PLACE	LF	113	\$14.00	\$1,582.00	\$21.00	\$2,373.00	\$22.00	\$2,486.00	
6. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,902	\$0.01	\$19.02	\$0.10	\$190.20	\$1.00	\$1,902.00	
7. FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE AND BOX, 6" LEAD AND FIRE HYDRANT, TRENCH SAFETY, COMPLETE IN PLACE	EA	5	\$4,090.00	\$20,450.00	\$3,800.00	\$19,000.00	\$4,300.00	\$21,500.00	
8. 8" AWWA GATE VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	7	\$1,135.00	\$7,945.00	\$1,000.00	\$7,000.00	\$1,200.00	\$8,400.00	
9. 6" AWWA GATE VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	1	\$715.00	\$715.00	\$600.00	\$600.00	\$850.00	\$850.00	
10. 2" BLOW OFF VALVE & BOX, PLUG AND CLAMP (ALL SIZES), COMPLETE IN PLACE	EA	4	\$980.00	\$3,920.00	\$900.00	\$3,600.00	\$350.00	\$1,400.00	
11. REMOVE EXISTING PLUG AND CLAMP AND 2" BLOW OFF VALVE AND BOX, CONNECT PROPOSED WATER LINE, COMPLETE IN PLACE	EA	1	\$390.00	\$390.00	\$400.00	\$400.00	\$700.00	\$700.00	
12. STEEL CASING FOR 8" WATER LINE, (EXCLUDES PVC CARRIER PIPE), COMPLETE IN PLACE	LF	22	\$70.00	\$1,540.00	\$50.00	\$1,100.00	\$125.00	\$2,750.00	
SUBTOTAL WATER ITEMS				\$74,625.02		\$78,422.20		\$106,976.00	
SANITARY SEWER ITEMS									
1. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	220	\$24.00	\$5,280.00	\$35.00	\$7,700.00	\$38.00	\$8,360.00	
2. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	117	\$43.00	\$5,031.00	\$40.00	\$4,680.00	\$41.00	\$4,797.00	
3. 8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 16'-20' CUT TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	804	\$51.00	\$41,004.00	\$50.00	\$40,200.00	\$55.00	\$44,220.00	
4. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,141	\$0.01	\$11.41	\$0.10	\$114.10	\$1.00	\$1,141.00	
5. STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), COMPLETE IN PLACE	EA	9	\$2,180.00	\$19,620.00	\$1,900.00	\$17,100.00	\$3,300.00	\$29,700.00	
6. EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	62.2	\$130.00	\$8,086.00	\$150.00	\$9,330.00	\$325.00	\$20,215.00	
7. LONG SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, TRENCH SAFETY, RISER, WYE, PLUG, MARKER, DROP STRUCTURES, STACKS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	11	\$1,820.00	\$20,020.00	\$2,300.00	\$25,300.00	\$2,650.00	\$29,150.00	
8. SHORT SIDE DOUBLE OR SINGLE 6" PVC PIPE SERVICE LEADS, ASTM D-2241, SDR 26, ALL DEPTHS, INCLUDING CEMENT STABILIZED SAND BACKFILL, TRENCH SAFETY, RISER, WYE, PLUG, MARKER, DROP STRUCTURES, STACKS, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	12	\$1,185.00	\$14,220.00	\$1,700.00	\$20,400.00	\$1,200.00	\$14,400.00	
9. 2.0' 8" STANDARD DROP STRUCTURE, COMPLETE IN PLACE	EA	2	\$600.00	\$1,200.00	\$600.00	\$1,200.00	\$750.00	\$1,500.00	

MATHEMATICAL ERROR*

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TABULATION DATE:
LJA JOB NO.

CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES
 TO SERVE NEWPORT SECTION 7 PARTIAL REPLAT NO. 3
 NEWPORT MUNICIPAL UTILITY DISTRICT
 CITY OF HOUSTON E.T.J, HARRIS COUNTY, TEXAS
 APRIL 30, 2019
 LJA ENGINEERING, INC.
 A.CAROTHERS
 APRIL 30, 2019
 1680-4273D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) SENDERO INDUSTRIES, LLC		5) PRINCIPAL SERVICES, LTD.		6) ANGEL BROTHERS ENTERPRISES, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
10.	EXTRA DEPTH FOR 8" STANDARD DROP STRUCTURE (OVER 2.0'), COMPLETE IN PLACE	VF	10.3	\$5.00	\$51.50	\$30.00	\$309.00	\$24.00	\$247.20
11.	CORE INTO EXISTING SANITARY MANHOLE AND CONNECT 8" SANITARY SEWER, INCLUDING CEMENT STABILIZED SAND, ANY NECESSARY FITTINGS, CONNECTORS AND ADAPTORS, COMPLETE IN PLACE	EA	2	\$900.00	\$1,800.00	\$1,500.00	\$3,000.00	\$1,100.00	\$2,200.00
12.	CORE INTO EXISTING SANITARY MANHOLE AND CONNECT STANDARD 8" DROP STRUCTURE INCLUDING CEMENT STABILIZED SAND, ANY NECESSARY FITTINGS, CONNECTORS AND ADAPTERS, COMPLETE IN PLACE	EA	1	\$1,925.00	\$1,925.00	\$2,500.00	\$2,500.00	\$1,600.00	\$1,600.00
13.	CORE INTO EXISTING 10" SANITARY SEWER AND CONSTRUCT PROPOSED 6" SANITARY STACK, INCLUDING CEMENT STABILIZED SAND, ANY NECESSARY FITTINGS, CONNECTORS AND ADAPTORS, COMPLETE IN PLACE	EA	7	\$400.00	\$2,800.00	\$3,000.00	\$21,000.00	\$1,500.00	\$10,500.00
14.	ADJUST EXISTING SANITARY MANHOLE RIM TO MATCH PROPOSED GRADE, COMPLETE IN PLACE	EA	4	\$165.00	\$660.00	\$1,500.00	\$6,000.00	\$600.00	\$2,400.00
15.	ADDITIONAL COST OF SANITARY SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE GEOTECHNICAL ENGINEER), COMPLETE IN PLACE	LF	1,000	\$5.00	\$5,000.00	\$5.00	\$5,000.00	\$5.00	\$5,000.00
16.	DEWATERING (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE GEOTECHNICAL ENGINEER), COMPLETE IN PLACE	LF	1,000	\$20.00	\$20,000.00	\$20.00	\$20,000.00	\$24.00	\$24,000.00
17.	CONTRACTOR SHALL TV & CLEAN PROPOSED SANITARY SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1,141	\$5.00	\$5,705.00	\$2.00	\$2,282.00	\$4.00	\$4,564.00
18.	AUGER FOR 6" PVC PIPE SERVICE LEAD, COMPLETE IN PLACE	LF	10	\$150.00	\$1,500.00	\$500.00	\$5,000.00	\$175.00	\$1,750.00
SUBTOTAL SANITARY SEWER ITEMS					\$153,913.91		\$191,115.10		\$205,744.20
DRAINAGE FACILITIES ITEMS									
1.	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	402	\$67.00	\$26,934.00	\$66.00	\$26,532.00	\$87.00	\$34,974.00
2.	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	714	\$114.00	\$81,396.00	\$110.00	\$78,540.00	\$139.00	\$99,246.00
3.	42" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	174	\$142.00	\$24,708.00	\$150.00	\$26,100.00	\$173.00	\$30,102.00
4.	48" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	179	\$178.00	\$31,862.00	\$175.00	\$31,325.00	\$204.00	\$36,516.00
5.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	1,470	\$0.01	\$14.70	\$0.10	\$147.00	\$1.00	\$1,470.00
6.	STAGE I - STANDARD (TYPE "B-B") INLET, TO INCLUDE INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	6	\$1,975.00	\$11,850.00	\$1,100.00	\$6,600.00	\$1,500.00	\$9,000.00
7.	STAGE II - STANDARD (TYPE "B-B") INLET, COMPLETE IN PLACE	EA	6	\$750.00	\$4,500.00	\$1,600.00	\$9,600.00	\$2,400.00	\$14,400.00
8.	STAGE I -STANDARD (TYPE "B-B") INLET WITH 5' EXTENSION, TO INCLUDE INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	2	\$2,870.00	\$5,740.00	\$1,500.00	\$3,000.00	\$1,800.00	\$3,600.00
9.	STAGE II - STANDARD (TYPE "B-B") INLET WITH 5' EXTENSION, COMPLETE IN PLACE	EA	2	\$750.00	\$1,500.00	\$1,600.00	\$3,200.00	\$2,900.00	\$5,800.00
10.	STAGE I - STANDARD (TYPE "C - 2") INLET, TO INCLUDE PROTECTION BARRIERS, COMPLETE IN PLACE	EA	2	\$2,815.00	\$5,630.00	\$1,100.00	\$2,200.00	\$2,600.00	\$5,200.00
11.	STAGE II - STANDARD (TYPE "C - 2") INLET, COMPLETE IN PLACE	EA	2	\$750.00	\$1,500.00	\$2,200.00	\$4,400.00	\$3,400.00	\$6,800.00
12.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	10	\$2,475.00	\$24,750.00	\$2,400.00	\$24,000.00	\$2,900.00	\$29,000.00

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CONSTRUCTION OF THE WATER, SANITARY SEWER AND DRAINAGE FACILITIES
 TO SERVE NEWPORT SECTION 7 PARTIAL REPLAT NO. 3
 NEWPORT MUNICIPAL UTILITY DISTRICT
 CITY OF HOUSTON E.T.J, HARRIS COUNTY, TEXAS
 APRIL 30, 2019
 LJA ENGINEERING, INC.
 A.CAROTHERS
 APRIL 30, 2019
 1680-4273D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) SENDERO INDUSTRIES, LLC		5) PRINCIPAL SERVICES, LTD.		6) ANGEL BROTHERS ENTERPRISES, LTD	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
13.	TYPE "C" MANHOLE FOR 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$4,575.00	\$9,150.00	\$4,600.00	\$9,200.00	\$4,600.00	\$9,200.00
14.	8" BRICK WALL PLUG FOR 30" STORM SEWER, COMPLETE IN PLACE	EA	1	\$210.00	\$210.00	\$400.00	\$400.00	\$600.00	\$600.00
15.	8" BRICK WALL PLUG FOR 36" STORM SEWER, COMPLETE IN PLACE	EA	1	\$260.00	\$260.00	\$400.00	\$400.00	\$600.00	\$600.00
16.	EXCAVATION, HAULING, GRADING AND HYDROMULCH SEEDING OF SIDE SLOPES OF OVERFLOW SWALE PER DETAIL ON SHEET 10 OF 25, COMPLETE IN PLACE	LF	152	\$9.00	\$1,368.00	\$35.00	\$5,320.00	\$11.00	\$1,672.00
17.	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 GEOTECHNICAL ENGINEER), COMPLETE IN PLACE	LF	500	\$5.00	\$2,500.00	\$5.00	\$2,500.00	\$7.00	\$3,500.00
18.	DEWATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$20.00	\$10,000.00
19.	ADJUST EXISTING STORM MANHOLE RIM TO MATCH PROPOSED GRADE, COMPLETE IN PLACE	EA	6	\$165.00	\$990.00	\$2,000.00	\$12,000.00	\$600.00	\$3,600.00
20.	BREAK INTO EXISTING STORM MANHOLE AND CONNECT PROPOSED 24" STORM SEWER, COMPLETE IN PLACE	EA	1	\$300.00	\$300.00	\$1,000.00	\$1,000.00	\$900.00	\$900.00
21.	BREAK INTO EXISTING STORM MANHOLE AND CONNECT PROPOSED 48" STORM SEWER, COMPLETE IN PLACE	EA	1	\$465.00	\$465.00	\$1,000.00	\$1,000.00	\$1,200.00	\$1,200.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$245,627.70		\$257,464.00		\$307,380.00
MISCELLANEOUS ITEMS									
1.	FILTER FABRIC FENCE (SILT BARRIER FENCING), TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	4,191	\$1.00	\$4,191.00	\$1.00	\$4,191.00	\$2.00	\$8,382.00
2.	REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	3,591	\$1.50	\$5,386.50	\$1.50	\$5,386.50	\$2.50	\$8,977.50
3.	STAGE II INLET PROTECTION BARRIERS, (SAND BAGS FOR PROPOSED AND EXISTING INLETS), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	16	\$72.00	\$1,152.00	\$50.00	\$800.00	\$60.00	\$960.00
4.	HYDROMULCH SEEDING R.O.W. AND MEDIANS, TO INCLUDE WATERING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1.3	\$1,775.00	\$2,307.50	\$2,200.00	\$2,860.00	\$1,800.00	\$2,340.00
5.	BROADCAST SEEDING FOR EASEMENTS & RESERVES, WITH FERTILIZING AND WATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	6.6	\$785.00	\$5,181.00	\$1,000.00	\$6,600.00	\$1,500.00	\$9,900.00
6.	INSTALL, MAINTAIN AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$2,405.00	\$2,405.00	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00
7.	CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$725.00	\$725.00	\$400.00	\$400.00	\$600.00	\$600.00
8.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDING INSPECTIONS, MAINTENANCE OF FILTER FABRIC AND STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	LS	1	\$1,200.00	\$1,200.00	\$1,500.00	\$1,500.00	\$1,800.00	\$1,800.00
9.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$8,130.00	\$8,130.00	\$10,000.00	\$10,000.00	\$1,500.00	\$1,500.00
10.	CLEARING, GRUBBING AND STRIPPING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1	\$11,000.00	\$11,000.00	\$20,000.00	\$20,000.00	\$13,000.00	\$13,000.00
SUBTOTAL MISCELLANEOUS ITEMS					\$41,678.00		\$54,237.50		\$48,459.50
ALTERNATE BID ITEMS									

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 TO SERVE NEWPORT SECTION 7 PARTIAL REPLAT NO. 3
 NEWPORT MUNICIPAL UTILITY DISTRICT
 CITY OF HOUSTON E.T.J. HARRIS COUNTY, TEXAS
 APRIL 30, 2019
 LJA ENGINEERING, INC.
 A.CAROTHERS
 APRIL 30, 2019
 1680-4273D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) SENDERO INDUSTRIES, LLC		5) PRINCIPAL SERVICES, LTD.		6) ANGEL BROTHERS ENTERPRISES, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1.	54" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	893	\$249.00	\$222,357.00	\$225.00	\$200,925.00	\$280.00	\$250,040.00
2.	TYPE "C" MANHOLE PER 48" STORM SEWER AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$4,575.00	\$27,450.00	\$5,000.00	\$30,000.00	\$5,600.00	\$33,600.00
SUBTOTAL ALTERNATE BID ITEMS					\$249,807.00		\$230,925.00		\$283,640.00
BID SUMMARY									
SUBTOTAL WATER ITEMS					\$74,625.02		\$78,422.20		\$106,976.00
SUBTOTAL SANITARY SEWER ITEMS					\$153,913.91		\$191,115.10		\$205,744.20
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$245,627.70		\$257,464.00		\$307,380.00
SUBTOTAL MISCELLANEOUS ITEMS					\$41,678.00		\$54,237.50		\$48,459.50
TOTAL AMOUNT BID					\$515,844.63		\$581,238.80		\$668,559.70
ALTERNATE BID									
TOTAL AMOUNT BID					\$515,844.63		\$581,238.80		\$668,559.70
SUBTOTAL BID ALTERNATE ITEMS					\$249,807.00		\$230,925.00		\$283,640.00
TOTAL AMOUNT BID INCLUDING ALTERNATE					\$765,651.63		\$812,163.80		\$952,199.70