

BID TABULATION FOR:

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

CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE AND DETENTION FACILITIES
TO SERVE NEWPORT SECTION 7 PARTIAL REPLAT NO. 4
NEWPORT MUNICIPAL UTILITY DISTRICT
CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
OCTOBER 8, 2019
LJA ENGINEERING, INC.
A. OTTO
OCTOBER 10, 2019
1680-4274D (9.2)

BIDDER'S NAME	TOTAL BID AMOUNT	TOTAL AMOUNT BID INCL. ALTERNATE
1) R CONSTRUCTION CIVIL, LLC	\$715,017.60	\$999,044.10
2) CLEARWATER UTILITIES, INC	\$759,998.93	\$827,744.51
3) C.E. BARKER, LTD.	\$778,790.58	\$799,619.19
4) D.L. ELLIOTT ENTERPRISES, LLC	\$787,464.20	\$808,503.20
5) BLAZEY CONSTRUCTION SERVICES, LLC	\$816,283.77	\$883,608.57
6) CROSTEX CONSTRUCTION, INC	\$853,000.00	\$900,337.75

CALENDAR DAYS - 50/60

TEXASITE, LLC SUBMITTED A BID FOR THIS PROJECT. HOWEVER THEIR BID WAS NOT PREPARED ON THE MOST CURRENT BIP PROPOSAL FORM AS ISSUED BY ADDEDUM NO. 4 AND THEREFORE, CANNOT BE TABULATED.



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



10/10/19

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ITEM	DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL, LLC		2) CLEARWATER UTILITIES, INC		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	2214	\$17.00	\$37,638.00	\$18.00	\$39,852.00	\$17.31	\$38,324.34
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	298	\$25.00	\$7,450.00	\$21.00	\$6,258.00	\$24.16	\$7,199.68
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	116	\$18.00	\$2,088.00	\$18.00	\$2,088.00	\$17.88	\$2,074.08
4.	4" PVC WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, TO INCLUDE FITTINGS, COMPLETE IN PLACE	LF	208	\$16.00	\$3,328.00	\$14.00	\$2,912.00	\$12.88	\$2,679.04
5.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2836	\$0.10	\$283.60	\$0.10	\$283.60	\$0.11	\$311.96
6.	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE AND BOX, 6" LEAD AND FIRE HYDRANT, COMPLETE IN PLACE	EA	8	\$4,100.00	\$32,800.00	\$2,945.00	\$23,560.00	\$3,862.90	\$30,903.20
7.	8" AWWA GATE VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	9	\$1,000.00	\$9,000.00	\$915.00	\$8,235.00	\$1,162.66	\$10,463.94
8.	6" AWWA GATE VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	1	\$700.00	\$700.00	\$646.00	\$646.00	\$770.56	\$770.56
9.	4" AWWA GATE VALVE AND BOX, PLUG CLAMP (ALL SIZES), COMPLETE IN PLACE	EA	1	\$660.00	\$660.00	\$511.00	\$511.00	\$619.75	\$619.75
10.	2" BLOW OFF VALVE & BOX, PLUG AND CLAMP (ALL SIZES), COMPLETE IN PLACE	EA	3	\$800.00	\$2,400.00	\$465.00	\$1,395.00	\$831.90	\$2,495.70
11.	REMOVE EXISTING PLUG AND CLAMP AND 2" BLOW OFF VALVE AND BOX, CONNECT PROPOSED WATER LINE, COMPLETE IN PLACE	EA	2	\$150.00	\$300.00	\$361.00	\$722.00	\$582.41	\$1,164.82
12.	14" STEEL CASING FOR 8" WATER LINE, (EXCLUDES PVC CARRIER PIPE), COMPLETE IN PLACE	LF	20	\$47.00	\$940.00	\$63.00	\$1,260.00	\$80.89	\$1,617.80
SUBTOTAL WATER ITEMS					\$97,587.60		\$87,722.60		\$98,624.87
SANITARY SEWER ITEMS									
1.	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8" CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	146	\$25.00	\$3,650.00	\$29.00	\$4,234.00	\$22.97	\$3,353.62
2.	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12" CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	635	\$26.00	\$16,510.00	\$31.00	\$19,685.00	\$23.96	\$15,214.60
3.	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16" CUT TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1943	\$27.00	\$52,461.00	\$32.00	\$62,176.00	\$27.12	\$52,694.16
4.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3,584	\$0.10	\$358.40	\$0.10	\$358.40	\$0.11	\$394.24
5.	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), COMPLETE IN PLACE	EA	21	\$1,700.00	\$35,700.00	\$1,797.00	\$37,737.00	\$1,577.05	\$33,118.05
6.	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	65.51	\$120.00	\$7,861.20	\$108.00	\$7,075.08	\$129.12	\$8,458.65
7.	LONG SIDE DOUBLE OR SINGLE 8" 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	LF	860	\$32.00	\$27,520.00	\$39.00	\$33,540.00	\$43.99	\$37,831.40

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 1680-4274D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL, LLC		2) CLEARWATER UTILITIES, INC		3) C.E. BARKER, LTD.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8.	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	26	\$900.00	\$23,400.00	\$992.00	\$25,792.00	\$1,007.32	\$26,190.32
9.	2.0' 8" STANDARD DROP STRUCTURE, COMPLETE IN PLACE	EA	4	\$600.00	\$2,400.00	\$438.00	\$1,752.00	\$832.78	\$3,331.12
10.	EXTRA DEPTH FOR 8" STANDARD DROP STRUCTURE (OVER 2.0'), COMPLETE IN PLACE	VF	0.92	\$25.00	\$23.00	\$21.00	\$19.32	\$40.50	\$37.26
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	1	\$1,000.00	\$1,000.00	\$1,133.00	\$1,133.00	\$1,022.41	\$1,022.41
12.	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	1,000	\$5.00	\$5,000.00	\$5.00	\$5,000.00	\$5.00	\$5,000.00
13.	DEWATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1,000	\$20.00	\$20,000.00	\$20.00	\$20,000.00	\$20.00	\$20,000.00
14.	CONTRACTOR SHALL TV, INSPECT, AND CLEAN PROPOSED SANITARY SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1500	\$1.60	\$2,400.00	\$1.40	\$2,100.00	\$1.50	\$2,250.00
SUBTOTAL SANITARY SEWER ITEMS					\$198,283.60		\$220,601.80		\$208,895.83
DRAINAGE FACILITIES ITEMS									
1.	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,698	\$58.00	\$98,484.00	\$50.00	\$84,900.00	\$56.96	\$96,718.08
2.	30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	215	\$76.00	\$16,340.00	\$62.00	\$13,330.00	\$74.48	\$16,013.20
3.	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	202	\$102.00	\$20,604.00	\$87.00	\$17,574.00	\$104.14	\$21,036.28
4.	42" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	184	\$135.00	\$24,840.00	\$131.00	\$24,104.00	\$134.68	\$24,781.12
5.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2,299	\$0.10	\$229.90	\$0.10	\$229.90	\$0.11	\$252.89
6.	STAGE I - STANDARD (TYPE "B-B") INLET, TO INCLUDE INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	13	\$600.00	\$7,800.00	\$625.00	\$8,125.00	\$996.03	\$12,948.39
7.	STAGE II - STANDARD (TYPE "5-B") INLET, COMPLETE IN PLACE	EA	13	\$1,200.00	\$15,600.00	\$1,162.00	\$15,106.00	\$885.36	\$11,509.68
8.	STAGE I - STANDARD (TYPE "C-2") INLET, TO INCLUDE PROTECTION BARRIERS, COMPLETE IN PLACE	EA	4	\$600.00	\$2,400.00	\$615.00	\$2,460.00	\$1,328.04	\$5,312.16
9.	STAGE II - STANDARD (TYPE "C-2") INLET, COMPLETE IN PLACE	EA	4	\$2,100.00	\$8,400.00	\$1,700.00	\$6,800.00	\$1,438.71	\$5,754.84
10.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	23	\$1,900.00	\$43,700.00	\$2,054.00	\$47,242.00	\$2,102.73	\$48,362.79
11.	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$5.00	\$2,500.00	\$5.00	\$2,500.00	\$5.00	\$2,500.00
12.	DEWATERING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$20.00	\$10,000.00

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			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
13. REMOVE AND DISPOSE OF EXIST. 8" BRICK WALL PLUG AND CONSTRUCT PROPOSED STORM MANHOLE, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$361.00	\$361.00	\$553.35	\$553.35
SUBTOTAL DRAINAGE FACILITIES ITEMS				\$251,397.90	\$232,731.90	\$255,742.78		
DETENTION POND ITEMS								
1. ALL EXCAVATION FROM PROPOSED POND, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	21,039	\$1.50	\$31,558.50	\$2.63	\$55,332.57	\$1.76	\$37,028.64
2. HAUL, PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED MATERIAL FROM PROPOSED POND TO LOT FILL AREA OF PROPOSED SECTION 7 PARTIAL REPLAT NO 4 & 5, UTILIZING OFF-ROAD TRUCKS, INCLUDES LAND BRIDGES AS NECESSARY, FILL SHALL BE COMPACTED TO A 95% PROCTOR DENSITY WITH 8" LIFTS, COMPLETE IN PLACE	CY	21,039	\$2.50	\$52,597.50	\$2.78	\$58,488.42	\$3.96	\$83,314.44
3. BACKSLOPE SWALE, INCLUDES EXCAVATION, EMBANKMENT, STRIPPINGS, RE-APPLICATION OF STRIPPINGS, AND COMPACTION TO 95% PROCTOR DENSITY, COMPLETE IN PLACE	LF	455	\$3.00	\$1,365.00	\$3.75	\$1,706.25	\$5.64	\$2,566.20
4. DETENTION EARTHEN CHANNEL, COMPLETE IN PLACE	LF	127	\$6.00	\$762.00	\$3.75	\$476.25	\$5.64	\$716.28
5. REGRADE EXISTING BACKSLOPE SWALE TO ORIGINAL OR BETTER CONDITION, COMPLETE IN PLACE	LF	81	\$10.00	\$810.00	\$3.75	\$303.75	\$5.69	\$460.89
6. REMOVE & DISPOSE OF EXISTING 18" ROCK RIP-RAP OFFSITE, COMPLETE IN PLACE	SF	655	\$3.00	\$1,965.00	\$2.00	\$1,310.00	\$2.11	\$1,382.05
7. REGRADE EXISTING EARTHEN CHANNEL TO ORIGINAL OR BETTER CONDITION, COMPLETE IN PLACE	LF	241	\$5.00	\$1,205.00	\$3.75	\$903.75	\$5.74	\$1,383.34
8. 18" ROCK RIP-RAP FOR EXISTING 54" C.G.M.P., COMPLETE IN PLACE	SF	655	\$9.50	\$6,222.50	\$10.55	\$6,910.25	\$9.41	\$6,163.55
9. REMOVE AND REPLACE EXISTING TIMBERBENT FOR EXISTING 54" C.G.M.P., COMPLETE IN PLACE	EA	1	\$1,300.00	\$1,300.00	\$515.00	\$515.00	\$4,980.15	\$4,980.15
10. RE-ESTABLISH EXISTING POND HIGH BANK AND SIDE SLOPES TO ORIGINAL OR BETTER CONDITION, COMPLETE IN PLACE	LS	1	\$2,200.00	\$2,200.00	\$1,830.00	\$1,830.00	\$10,347.65	\$10,347.65
11. REMOVE EXISTING 24" CGMP STORM SEWER AND DISPOSE OF OFFSITE, COMPLETE IN PLACE	LF	78	\$29.00	\$2,262.00	\$23.00	\$1,794.00	\$24.84	\$1,937.52
12. 30" RCP STORM SEWER, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	78	\$81.00	\$6,318.00	\$71.00	\$5,538.00	\$83.97	\$6,549.66
13. REMOVE EXISTING CONCRETE SLOPE PAVING FOR 24" CGMP STORM SEWER AND DISPOSE OF OFFSITE, COMPLETE IN PLACE	LS	1	\$1,800.00	\$1,800.00	\$1,030.00	\$1,030.00	\$1,106.70	\$1,106.70
14. CONCRETE SLOPE PAVING FOR 30" RCP STORM SEWER, COMPLETE IN PLACE	LS	1	\$8,200.00	\$8,200.00	\$10,815.00	\$10,815.00	\$3,393.89	\$3,393.89
15. REMOVE 24" CGMP AND CONNECT 30" RCP STORM SEWER TO EXISTING STORM MANHOLE, COMPLETE IN PLACE	LS	1	\$2,900.00	\$2,900.00	\$361.00	\$361.00	\$1,549.38	\$1,549.38
SUBTOTAL DETENTION POND ITEMS				\$121,465.50	\$147,314.24	\$162,880.34		
MISCELLANEOUS ITEMS								
1. FILTER FABRIC FENCE (SILT BARRIER FENCING), TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	5,532	\$1.00	\$5,532.00	\$1.00	\$5,532.00	\$1.00	\$5,532.00
2. REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	5,666	\$1.50	\$8,499.00	\$1.50	\$8,499.00	\$1.50	\$8,499.00

MATHEMATICAL ERROR *

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
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	25	\$25.00	\$625.00	\$52.00	\$1,300.00	\$55.34	\$1,383.50
4.	HYDROMULCH SEEDING FOR R.O.W., TO INCLUDE FERTILIZING AND WATERING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1.95	\$1,300.00	\$2,535.00	\$1,442.00	\$2,811.90	\$1,715.50	\$3,345.23
5.	BROADCAST SEEDING FOR LOTS, EASEMENTS, & RESERVES, WITH FERTILIZING AND WATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	11.44	\$550.00	\$6,292.00	\$721.00	\$8,248.24	\$830.14	\$9,496.80
6.	INSTALL, MAINTAIN AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	2	\$2,000.00	\$4,000.00	\$1,545.00	\$3,090.00	\$1,936.73	\$3,873.46
7.	CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$1.00	\$1.00	\$1,106.70	\$1,106.70
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	\$2,770.00	\$2,770.00	\$553.35	\$553.35
9.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$5,600.00	\$5,600.00	\$26,900.00	\$26,900.00	\$4,403.67	\$4,403.67
10.	CLEARING, GRUBBING AND STRIPPING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
11.	FILTER DAM – TYPE III, PER DETAIL ON SHEET 25, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$1,030.00	\$1,030.00	\$2,207.87	\$2,207.87
12.	DRY APPLICATION SEEDING FOR POND SIDE SLOPE AND EMBANKMENTS, COMPLETE IN PLACE	AC	1.75	\$2,000.00	\$3,500.00	\$2,255.00	\$3,946.25	\$2,711.53	\$4,745.18
SUBTOTAL MISCELLANEOUS ITEMS					\$46,283.00		\$71,628.39		\$52,646.75
ALTERNATE BID ITEMS									
1.	HAUL, PLACEMENT, GRADING AND COMPACTION OF EXCAVATED MATERIAL FROM PROPOSED SECTION 7 PARTIAL REPLAT NO. 4 & 5, UTILIZING ON-ROAD TRUCKS, FILL SHALL BE COMPACTED TO A 95% PROCTOR DENSITY WITH 8" LIFTS, IN LIEU OF DETENTION POND ITEM NO. 2, COMPLETE IN PLACE	CY	21,039	\$16.00	\$336,624.00	\$6.00	\$126,234.00	\$4.95	\$104,143.05
SUBTOTAL ALTERNATE BID ITEMS					\$336,624.00		\$126,234.00		\$104,143.05
BID SUMMARY									
SUBTOTAL WATER ITEMS					\$97,587.60		\$87,722.60		\$98,624.87
SUBTOTAL SANITARY SEWER ITEMS					\$198,283.60		\$220,601.80		\$208,895.83
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$251,397.90		\$232,731.90		\$255,742.78
SUBTOTAL DETENTION POND ITEMS					\$121,465.50		\$147,314.24		\$162,880.34
SUBTOTAL MISCELLANEOUS ITEMS					\$46,283.00		\$71,628.39		\$52,646.75
TOTAL AMOUNT BID					\$715,017.60		\$759,998.93		\$778,790.58
ALTERNATE BID									
TOTAL AMOUNT BID					\$715,017.60		\$759,998.93		\$778,790.58
DEDUCT DETENTION POND ITEM NO. 2					(\$52,597.50)		(\$58,488.42)		(\$83,314.44)
SUBTOTAL ALTERNATE BID ITEMS					\$336,624.00		\$126,234.00		\$104,143.05
TOTAL AMOUNT BID INCLUDING ALTERNATE BID NO. 1					\$999,044.10		\$827,744.51		\$799,619.19

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ITEM	DESCRIPTION	UNIT	QTY	4) D.L. ELLIOTT ENTERPRISES, LLC		5) BLAZEY CONSTRUCTION SERVICES, LLC		6) CROSTEX CONSTRUCTION, INC	
				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	2214	\$16.00	\$35,424.00	\$19.47	\$43,106.58	\$16.05	\$35,534.70
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	298	\$24.00	\$7,152.00	\$31.59	\$9,413.82	\$21.30	\$6,347.40
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	116	\$17.00	\$1,972.00	\$17.99	\$2,086.84	\$15.40	\$1,786.40
4.	4" PVC WATER PIPE, C-900, DR 18, CLASS 235, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, TO INCLUDE FITTINGS, COMPLETE IN PLACE	LF	208	\$12.00	\$2,496.00	\$13.76	\$2,862.08	\$12.05	\$2,506.40
5.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2836	\$1.00	\$2,836.00	\$0.11	\$311.96	\$1.05	\$2,977.80
6.	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE AND BOX, 6" LEAD AND FIRE HYDRANT, COMPLETE IN PLACE	EA	8	\$3,300.00	\$26,400.00	\$3,459.45	\$27,675.60	\$3,600.00	\$28,800.00
7.	8" AWWA GATE VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	9	\$1,000.00	\$9,000.00	\$898.75	\$8,088.75	\$905.00	\$8,145.00
8.	6" AWWA GATE VALVE AND BOX AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	1	\$650.00	\$650.00	\$597.07	\$597.07	\$595.00	\$595.00
9.	4" AWWA GATE VALVE AND BOX, PLUG CLAMP (ALL SIZES), COMPLETE IN PLACE	EA	1	\$650.00	\$650.00	\$466.66	\$466.66	\$500.00	\$500.00
10.	2" BLOW OFF VALVE & BOX, PLUG AND CLAMP (ALL SIZES), COMPLETE IN PLACE	EA	3	\$1,000.00	\$3,000.00	\$1,012.33	\$3,036.99	\$680.00	\$2,040.00
11.	REMOVE EXISTING PLUG AND CLAMP AND 2" BLOW OFF VALVE AND BOX, CONNECT PROPOSED WATER LINE, COMPLETE IN PLACE	EA	2	\$400.00	\$800.00	\$217.03	\$434.06	\$50.00	\$100.00
12.	14" STEEL CASING FOR 8" WATER LINE, (EXCLUDES PVC CARRIER PIPE), COMPLETE IN PLACE	LF	20	\$140.00	\$2,800.00	\$85.98	\$1,719.60	\$65.00	\$1,300.00
SUBTOTAL WATER ITEMS					\$93,180.00		\$99,800.01		\$90,632.70
SANITARY SEWER ITEMS									
1.	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 0'-8" CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	146	\$23.00	\$3,358.00	\$28.87	\$4,215.02	\$20.25	\$2,956.50
2.	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 8'-12" CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	635	\$24.00	\$15,240.00	\$29.38	\$18,656.30	\$23.00	\$14,605.00
3.	8" PVC SEWER PIPE, ASTM D-2241, SDR 26, 12'-16" CUT TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1943	\$26.00	\$50,518.00	\$30.76	\$59,766.68	\$26.25	\$51,003.75
4.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	3,584	\$1.00	\$3,584.00	\$0.30	\$1,075.20	\$1.10	\$3,942.40
5.	STANDARD SANITARY SEWER MANHOLE FOR 6"-24" SANITARY SEWER PIPES, (8' DEPTH), COMPLETE IN PLACE	EA	21	\$1,900.00	\$39,900.00	\$2,016.37	\$42,343.77	\$2,010.00	\$42,210.00
6.	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE, (OVER 8' DEPTH), COMPLETE IN PLACE	VF	65.51	\$140.00	\$9,171.40	\$113.83	\$7,457.00	\$201.00	\$13,167.51
7.	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	LF	860	\$38.00	\$32,680.00	\$43.57	\$37,470.20	\$34.75	\$29,885.00

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LJA JOB NO.

CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE AND DETENTION FACILITIES
 TO SERVE NEWPORT SECTION 7 PARTIAL REPLAT NO. 4
 NEWPORT MUNICIPAL UTILITY DISTRICT
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 OCTOBER 8, 2019
 LJA ENGINEERING, INC.
 A. OTTO
 OCTOBER 10, 2019
 1680-4274D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) D.L. ELLIOTT ENTERPRISES, LLC		5) BLAZEY CONSTRUCTION SERVICES, LLC		6) CROSTEX CONSTRUCTION, INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8.	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	26	\$1,100.00	\$28,600.00	\$972.12	\$25,275.12	\$1,245.00	\$32,370.00
9.	2.0' 8" STANDARD DROP STRUCTURE, COMPLETE IN PLACE	EA	4	\$850.00	\$3,400.00	\$413.50	\$1,654.00	\$400.00	\$1,600.00
10.	EXTRA DEPTH FOR 8" STANDARD DROP STRUCTURE (OVER 2.0'), COMPLETE IN PLACE	VF	0.92	\$40.00	\$36.80	\$15.24	\$14.02	\$40.00	\$36.80
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	1	\$900.00	\$900.00	\$1,192.48	\$1,192.48	\$1,500.00	\$1,500.00
12.	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	1,000	\$5.00	\$5,000.00	\$5.00	\$5,000.00	\$5.00	\$5,000.00
13.	DEWATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1,000	\$20.00	\$20,000.00	\$20.00	\$20,000.00	\$20.00	\$20,000.00
14.	CONTRACTOR SHALL TV, INSPECT, AND CLEAN PROPOSED SANITARY SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	1500	\$2.25	\$3,375.00	\$2.00	\$3,000.00	\$3.00	\$4,500.00
SUBTOTAL SANITARY SEWER ITEMS					\$215,763.20	\$227,119.79	\$222,776.96		
DRAINAGE FACILITIES ITEMS									
1.	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,698	\$61.00	\$103,578.00	\$53.95	\$91,607.10	\$50.50	\$85,749.00
2.	30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	215	\$79.00	\$16,985.00	\$70.02	\$15,054.30	\$65.00	\$13,975.00
3.	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	202	\$115.00	\$23,230.00	\$93.23	\$18,832.46	\$88.25	\$17,826.50
4.	42" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	184	\$147.00	\$27,048.00	\$122.96	\$22,624.64	\$113.25	\$20,838.00
5.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2,299	\$1.00	\$2,299.00	\$0.30	\$689.70	\$1.05	\$2,413.95
6.	STAGE I - STANDARD (TYPE "B-B") INLET, TO INCLUDE INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	13	\$1,300.00	\$16,900.00	\$1,132.85	\$14,727.05	\$1,800.00	\$23,400.00
7.	STAGE II - STANDARD (TYPE "B-B") INLET, COMPLETE IN PLACE	EA	13	\$1,300.00	\$16,900.00	\$1,210.90	\$15,741.70	\$450.00	\$5,850.00
8.	STAGE I - STANDARD (TYPE "C - 2") INLET, TO INCLUDE PROTECTION BARRIERS, COMPLETE IN PLACE	EA	4	\$1,600.00	\$6,400.00	\$1,187.06	\$4,748.24	\$2,200.00	\$8,800.00
9.	STAGE II - STANDARD (TYPE "C - 2") INLET, COMPLETE IN PLACE	EA	4	\$1,600.00	\$6,400.00	\$1,761.61	\$7,046.44	\$870.00	\$3,480.00
10.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	23	\$1,900.00	\$43,700.00	\$2,086.83	\$47,997.09	\$2,250.00	\$51,750.00
11.	ADDITIONAL COST FOR STORM SEWER BEDDING AND BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$5.00	\$2,500.00	\$5.00	\$2,500.00	\$5.00	\$2,500.00
12.	DEWATERING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$20.00	\$10,000.00

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CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE AND DETENTION FACILITIES
 TO SERVE NEWPORT SECTION 7 PARTIAL REPLAT NO. 4
 NEWPORT MUNICIPAL UTILITY DISTRICT
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 OCTOBER 8, 2019
 LJA ENGINEERING, INC.
 A. OTTO
 OCTOBER 10, 2019
 1680-4274D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) D.L. ELLIOTT ENTERPRISES, LLC		5) BLAZEY CONSTRUCTION SERVICES, LLC		6) CROSTEX CONSTRUCTION, INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
13.	REMOVE AND DISPOSE OF EXIST. 8" BRICK WALL PLUG AND CONSTRUCT PROPOSED STORM MANHOLE, COMPLETE IN PLACE	EA	1	\$350.00	\$350.00	\$113.83	\$113.83	\$200.00	\$200.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$276,290.00	\$251,682.55			
DETENTION POND ITEMS									
1.	ALL EXCAVATION FROM PROPOSED POND, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	21,039	\$3.00	\$63,117.00	\$2.76	\$58,067.64	\$2.25	\$47,337.75
2.	HAUL, PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED MATERIAL FROM PROPOSED POND TO LOT FILL AREA OF PROPOSED SECTION 7 PARTIAL REPLAT NO 4 & 5, UTILIZING OFF-ROAD TRUCKS, INCLUDES LAND BRIDGES AS NECESSARY, FILL SHALL BE COMPACTED TO A 95% PROCTOR DENSITY WITH 8" LIFTS, COMPLETE IN PLACE	CY	21,039	\$3.00	\$63,117.00	\$4.40	\$92,571.60	\$4.75	\$99,935.25
3.	BACKSLOPE SWALE, INCLUDES EXCAVATION, EMBANKMENT, STRIPPINGS, RE-APPLICATION OF STRIPPINGS, AND COMPACTION TO 95% PROCTOR DENSITY, COMPLETE IN PLACE	LF	455	\$5.00	\$2,275.00	\$1.63	\$741.65	\$4.00	\$1,820.00
4.	DETENTION EARTHEN CHANNEL, COMPLETE IN PLACE	LF	127	\$5.00	\$635.00	\$5.42	\$688.34	\$150.00	\$19,050.00
5.	REGRADE EXISTING BACKSLOPE SWALE TO ORIGINAL OR BETTER CONDITION, COMPLETE IN PLACE	LF	81	\$1.00	\$81.00	\$3.25	\$263.25	\$6.00	\$486.00
6.	REMOVE & DISPOSE OF EXISTING 18" ROCK RIP-RAP OFFSITE, COMPLETE IN PLACE	SF	655	\$1.00	\$655.00	\$4.82	\$3,157.10	\$5.00	\$3,275.00
7.	REGRADE EXISTING EARTHEN CHANNEL TO ORIGINAL OR BETTER CONDITION, COMPLETE IN PLACE	LF	241	\$4.00	\$964.00	\$2.71	\$653.11	\$20.00	\$4,820.00
8.	18" ROCK RIP-RAP FOR EXISTING 54" C.G.M.P., COMPLETE IN PLACE	SF	655	\$10.00	\$6,550.00	\$9.64	\$6,314.20	\$10.00	\$6,550.00
9.	REMOVE AND REPLACE EXISTING TIMBERBENT FOR EXISTING 54" C.G.M.P., COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$3,902.65	\$3,902.65	\$2,500.00	\$2,500.00
10.	RE-ESTABLISH EXISTING POND HIGH BANK AND SIDE SLOPES TO ORIGINAL OR BETTER CONDITION, COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$1,626.10	\$1,626.10	\$10,000.00	\$10,000.00
11.	REMOVE EXISTING 24" CGMP STORM SEWER AND DISPOSE OF OFFSITE, COMPLETE IN PLACE	LF	78	\$5.00	\$390.00	\$16.26	\$1,268.28	\$20.00	\$1,560.00
12.	30" RCP STORM SEWER, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	78	\$90.00	\$7,020.00	\$107.49	\$8,384.22	\$75.00	\$5,850.00
13.	REMOVE EXISTING CONCRETE SLOPE PAVING FOR 24" CGMP STORM SEWER AND DISPOSE OF OFFSITE, COMPLETE IN PLACE	LS	1	\$150.00	\$150.00	\$813.05	\$813.05	\$3,500.00	\$3,500.00
14.	CONCRETE SLOPE PAVING FOR 30" RCP STORM SEWER, COMPLETE IN PLACE	LS	1	\$4,500.00	\$4,500.00	\$5,284.84	\$5,284.84	\$15,000.00	\$15,000.00
15.	REMOVE 24" CGMP AND CONNECT 30" RCP STORM SEWER TO EXISTING STORM MANHOLE, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$1,349.67	\$1,349.67	\$1,500.00	\$1,500.00
SUBTOTAL DETENTION POND ITEMS					\$152,454.00	\$185,085.70	\$223,184.00		
MISCELLANEOUS ITEMS									
1.	FILTER FABRIC FENCE (SILT BARRIER FENCING), TO BE USED ONLY AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LF	5,532	\$1.00	\$5,532.00	\$1.28	\$7,080.96	\$1.00	\$5,532.00
2.	REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	5,666	\$1.50	\$8,499.00	\$1.50	\$8,499.00	\$1.50	\$8,499.00

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CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE AND DETENTION FACILITIES
 TO SERVE NEWPORT SECTION 7 PARTIAL REPLAT NO. 4
 NEWPORT MUNICIPAL UTILITY DISTRICT
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 OCTOBER 8, 2019
 LJA ENGINEERING, INC.
 A. OTTO
 OCTOBER 10, 2019
 1680-4274D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) D.L. ELLIOTT ENTERPRISES, LLC		5) BLAZEY CONSTRUCTION SERVICES, LLC		6) CROSTEX CONSTRUCTION, INC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
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	25	\$10.00	\$250.00	\$40.81	\$1,020.25	\$40.00	\$1,000.00
4.	HYDROMULCH SEEDING FOR R.O.W., TO INCLUDE FERTILIZING AND WATERING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1.95	\$1,500.00	\$2,925.00	\$1,530.45	\$2,984.38	\$2,000.00	\$3,900.00
5.	BROADCAST SEEDING FOR LOTS, EASEMENTS, & RESERVES, WITH FERTILIZING AND WATERING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	11.44	\$900.00	\$10,296.00	\$816.24	\$9,337.79	\$500.00	\$5,720.00
6.	INSTALL, MAINTAIN AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	2	\$1,700.00	\$3,400.00	\$1,951.32	\$3,902.64	\$1,800.00	\$3,600.00
7.	CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$650.44	\$650.44	\$500.00	\$500.00
8.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDING INSPECTIONS, MAINTENANCE OF FILTER FABRIC AND STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	LS	1	\$400.00	\$400.00	\$1,084.07	\$1,084.07	\$1,247.89	\$1,247.89
9.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$5,500.00	\$5,500.00	\$5,691.36	\$5,691.36	\$16,000.00	\$16,000.00
10.	CLEARING, GRUBBING AND STRIPPING (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1	\$7,500.00	\$7,500.00	\$8,130.52	\$8,130.52	\$7,500.00	\$7,500.00
11.	FILTER DAM – TYPE III, PER DETAIL ON SHEET 25, COMPLETE IN PLACE	EA	1	\$600.00	\$600.00	\$1,084.07	\$1,084.07	\$3,000.00	\$3,000.00
12.	DRY APPLICATION SEEDING FOR POND SIDE SLOPE AND EMBANKMENTS, COMPLETE IN PLACE	AC	1.75	\$2,500.00	\$4,375.00	\$1,788.71	\$3,130.24	\$7,500.00	\$13,125.00
SUBTOTAL MISCELLANEOUS ITEMS					\$49,777.00		\$52,595.72		\$69,623.89
ALTERNATE BID ITEMS									
1.	HAUL, PLACEMENT, GRADING AND COMPACTION OF EXCAVATED MATERIAL FROM PROPOSED SECTION 7 PARTIAL REPLAT NO. 4 & 5, UTILIZING ON-ROAD TRUCKS, FILL SHALL BE COMPACTED TO A 95% PROCTOR DENSITY WITH 8" LIFTS, IN LIEU OF DETENTION POND ITEM NO. 2, COMPLETE IN PLACE	CY	21,039	\$4.00	\$84,156.00	\$7.60	\$159,896.40	\$7.00	\$147,273.00
SUBTOTAL ALTERNATE BID ITEMS					\$84,156.00		\$159,896.40		\$147,273.00
BID SUMMARY									
SUBTOTAL WATER ITEMS					\$93,180.00		\$99,800.01		\$90,632.70
SUBTOTAL SANITARY SEWER ITEMS					\$215,763.20		\$227,119.79		\$222,776.96
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$276,290.00		\$251,682.55		\$246,782.45
SUBTOTAL DETENTION POND ITEMS					\$152,454.00		\$185,085.70		\$223,184.00
SUBTOTAL MISCELLANEOUS ITEMS					\$49,777.00		\$52,595.72		\$69,623.89
TOTAL AMOUNT BID					\$787,464.20		\$816,283.77		\$853,000.00
ALTERNATE BID									
TOTAL AMOUNT BID					\$787,464.20		\$816,283.77		\$853,000.00
DEDUCT DETENTION POND ITEM NO. 2					(\$63,117.00)		(\$92,571.60)		(\$99,935.25)
SUBTOTAL ALTERNATE BID ITEMS					\$84,156.00		\$159,896.40		\$147,273.00
TOTAL AMOUNT BID INCLUDING ALTERNATE BID NO. 1					\$808,503.20		\$883,608.57		\$900,337.75