


BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE AND DETENTION FACILITIES
TO SERVE MIRROR LAKE SECTION 1
BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 28
CITY OF PEARLAND, BRAZORIA COUNTY, TEXAS
DECEMBER 15, 2017
LJA ENGINEERING, INC.
C. DURHAM
DECEMBER 15, 2017
2527-1010D (9.2)

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

BIDDER'S NAME	TOTAL BID AMOUNT
1) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY	\$970,574.65
2) DIMAS BROS. CONSTRUCTION	\$1,011,132.00
3) REDDICO CONSTRUCTION CO., INC.	\$1,078,176.25
4) HARRIS CONSTRUCTION COMPANY, LTD.	\$1,126,263.50
5) BAY UTILITIES, LLC	\$1,178,854.30
6) MONARCH CIVIL CONSTRUCTORS	\$1,186,987.75

CALENDAR DAYS - 70/80



I, Taylor Baumgartner, P.E., hereby certify these bid tabulations to be true and correct.



12/15/17

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ITEM DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY		2) DIMAS BROS. CONSTRUCTION		3) REDDICO CONSTRUCTION CO., INC.		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
WATER ITEMS									
1. 6" PVC WATER PIPE, C-900, DR 18, TO INCLUDE ALL FITTINGS, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	457	\$22.00	\$10,054.00	\$16.55	\$7,563.35	\$19.00	\$8,683.00	
2. 8" PVC WATER PIPE, C-900, DR 18, TO INCLUDE ALL FITTINGS, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	2,620	\$18.00	\$47,160.00	\$21.25	\$55,675.00	\$20.00	\$52,400.00	
3. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2,957	\$0.10	\$295.70	\$0.20	\$591.40	\$0.10	\$295.70	
4. FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" VALVE & BOX, 6" LEAD AND FIRE HYDRANT, BEDDING AND BACKFILL, AND TRENCH SAFETY, COMPLETE IN PLACE	EA	6	\$4,000.00	\$24,000.00	\$4,077.00	\$24,462.00	\$3,600.00	\$21,600.00	
5. FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES 6" VALVE AND BOX AND FIRE HYDRANT, BEDDING AND BACKFILL AND TRENCH SAFETY, COMPLETE IN PLACE	EA	1	\$4,500.00	\$4,500.00	\$4,215.00	\$4,215.00	\$3,500.00	\$3,500.00	
6. 6" AWWA GATE VALVE & BOX, AND NECESSARY ADJUSTMENTS, COMPLETE IN PLACE	EA	3	\$545.00	\$1,635.00	\$550.00	\$1,650.00	\$700.00	\$2,100.00	
7. 8" AWWA GATE VALVE & BOX, AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	9	\$810.00	\$7,290.00	\$800.00	\$7,200.00	\$1,000.00	\$9,000.00	
8. SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE INCLUDES TRENCH SAFETY, METER BOX, CURB STOP, MARKER AND ALL NECESSARY CONNECTORS, PLUGS AND TAPS, COMPLETE IN PLACE	EA	9	\$555.00	\$4,995.00	\$588.00	\$5,292.00	\$700.00	\$6,300.00	
9. LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE INCLUDES TRENCH SAFETY, METER BOX, CURB STOP, MARKER, AND ALL NECESSARY CONNECTORS, PLUGS AND TAPS, COMPLETE IN PLACE	EA	35	\$885.00	\$30,975.00	\$850.00	\$29,750.00	\$1,500.00	\$52,500.00	
10. EXTRA CAST IRON FITTINGS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	2	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	
11. UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	677	\$3.50	\$2,369.50	\$1.50	\$1,015.50	\$2.60	\$1,760.20	
12. TRENCHLESS CONSTRUCTION OF 8" PVC WATER PIPE, INCLUDES STEEL CASING, DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LF	60	\$125.00	\$7,500.00	\$188.00	\$11,280.00	\$147.00	\$8,820.00	
13. 12"x8" TS AND V, COMPLETE IN PLACE	EA	1	\$3,300.00	\$3,300.00	\$4,000.00	\$4,000.00	\$6,700.00	\$6,700.00	
14. TEMPORARY TRAFFIC CONTROL AS NECESSARY FOR CONSTRUCTION OF SANITARY AND WATER ITEMS AT FITE ROAD, COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00	\$3,700.00	\$3,700.00	
SUBTOTAL WATER ITEMS				\$149,074.20		\$156,694.25		\$179,358.90	
SANITARY SEWER ITEMS									
1. 8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 0' - 12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	2,978	\$30.00	\$89,340.00	\$26.50	\$78,917.00	\$32.00	\$95,296.00	
2. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2,978	\$0.10	\$297.80	\$0.20	\$595.60	\$0.10	\$297.80	
3. STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (8' DEPTH), TO INCLUDE INTERNAL COATING, AND STAINLESS STEEL INFLOW PROTECTOR, COMPLETE IN PLACE	EA	16	\$4,400.00	\$70,400.00	\$4,125.00	\$66,000.00	\$3,500.00	\$56,000.00	
4. EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	33	\$345.00	\$11,385.00	\$280.00	\$9,240.00	\$350.00	\$11,550.00	

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 TO SERVE MIRROR LAKE SECTION 1
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 28
 CITY OF PEARLAND, BRAZORIA COUNTY, TEXAS
 DECEMBER 15, 2017
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 15, 2017
 2527-1010D (9.2)

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 LJA JOB NO.

ITEM	DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY		2) DIMAS BROS. CONSTRUCTION		3) REDDICO CONSTRUCTION CO., INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5.	LONG SIDE DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEADS, ASTM D2241 SDR 26 CL160 GREEN, ALL DEPTHS, INCLUDING CEMENT STABILIZED BACKFILL, TRENCH SAFETY, INTERNAL MANHOLE DROPS, RISER/STACK, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	12	\$1,575.00	\$18,900.00	\$1,808.00	\$21,696.00	\$2,200.00	\$26,400.00
6.	SHORT SIDE DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEADS, ASTM D2241 SDR 26 CL160 GREEN, ALL DEPTHS, INCLUDING CEMENT STABILIZED BACKFILL, TRENCH SAFETY, INTERNAL MANHOLE DROPS, RISER/STACK, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	49	\$650.00	\$31,850.00	\$578.00	\$28,322.00	\$540.00	\$26,460.00
7.	ADDITIONAL COST FOR SANITARY SEWER BEDDING & BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES & DEPTHS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	298	\$15.00	\$4,470.00	\$15.00	\$4,470.00	\$15.00	\$4,470.00
8.	DEWATERING, ALL SIZES & DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	298	\$25.00	\$7,450.00	\$25.00	\$7,450.00	\$30.00	\$8,940.00
9.	TV TESTING OF SANITARY SEWER, TO INCLUDE CLEANING AND DESILTING AS NECESSARY, COMPLETE IN PLACE	LF	2,978	\$2.50	\$7,445.00	\$2.00	\$5,956.00	\$3.00	\$8,934.00
10.	EXTRA CEMENT STABILIZED SAND, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	50	\$20.00	\$1,000.00	\$20.00	\$1,000.00	\$20.00	\$1,000.00
11.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	639	\$3.50	\$2,236.50	\$1.50	\$958.50	\$2.60	\$1,661.40
12.	INSTALL STANDARD SANITARY SEWER MANHOLE ON TOP OF EXISTING 24" SANITARY SEWER, TO INCLUDE TEMPORARY PLUG AND BYPASS PUMPING, DOES NOT INCLUDE MANHOLE, COMPLETE IN PLACE	LS	1	\$3,340.00	\$3,340.00	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00
13.	8" STANDARD INTERNAL SANITARY DROP STRUCTURE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$1,680.00	\$1,680.00	\$2,500.00	\$2,500.00	\$1,800.00	\$1,800.00
14.	ADJUST EXISTING SANITARY MANHOLE RIM AS NECESSARY, COMPLETE IN PLACE	EA	1	\$350.00	\$350.00	\$300.00	\$300.00	\$300.00	\$300.00
SUBTOTAL SANITARY SEWER ITEMS					\$250,144.30	\$230,405.10	\$248,109.20		
DRAINAGE FACILITIES ITEMS									
1.	18" STORM SEWER, ALL CUTS, TO INCLUDE BEDDING & BACKFILL, COMPLETE IN PLACE	LF	898	\$41.00	\$36,818.00	\$49.55	\$44,495.90	\$46.00	\$41,308.00
2.	24" STORM SEWER, ALL CUTS, TO INCLUDE BEDDING & BACKFILL, COMPLETE IN PLACE	LF	419	\$52.00	\$21,788.00	\$63.80	\$26,732.20	\$60.00	\$25,140.00
3.	30" STORM SEWER, ALL CUTS, TO INCLUDE BEDDING & BACKFILL, COMPLETE IN PLACE	LF	335	\$65.00	\$21,775.00	\$72.25	\$24,203.75	\$78.00	\$26,130.00
4.	36" STORM SEWER, ALL CUTS, TO INCLUDE BEDDING & BACKFILL, COMPLETE IN PLACE	LF	1,308	\$94.00	\$122,952.00	\$110.00	\$143,880.00	\$104.00	\$136,032.00
5.	4X2' RCB STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	27	\$175.00	\$4,725.00	\$205.00	\$5,535.00	\$181.00	\$4,887.00
6.	18" ASCP STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	121	\$57.00	\$6,897.00	\$62.00	\$7,502.00	\$45.00	\$5,445.00
7.	36" ASCP STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	57	\$81.00	\$4,617.00	\$89.20	\$5,084.40	\$79.00	\$4,503.00
8.	42" ASCP STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	63	\$95.00	\$5,985.00	\$97.00	\$6,111.00	\$96.00	\$6,048.00

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 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 28
 CITY OF PEARLAND, BRAZORIA COUNTY, TEXAS
 DECEMBER 15, 2017
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 C. DURHAM
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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9.	48" ASCP STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	156	\$105.00	\$16,380.00	\$108.00	\$16,848.00	\$100.00	\$15,600.00
10.	10" PVC FORCE MAIN, AWWA C-900 DR18 ALL DEPTHS, TO INCLUDE ALL FITTINGS, BEDDING, RESTRAINED JOINT WHERE REQUIRED AND ALL APPURTENANCES, COMPLETE IN PLACE	LF	1,195	\$20.00	\$23,900.00	\$26.35	\$31,488.25	\$35.00	\$41,825.00
11.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	4,579	\$0.10	\$457.90	\$0.20	\$915.80	\$0.10	\$457.90
12.	STAGE I - STANDARD (TYPE "C") INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	13	\$1,300.00	\$16,900.00	\$800.00	\$10,400.00	\$1,600.00	\$20,800.00
13.	STAGE II - STANDARD (TYPE "C") INLET, COMPLETE IN PLACE	EA	13	\$1,180.00	\$15,340.00	\$1,128.00	\$14,664.00	\$1,200.00	\$15,600.00
14.	STAGE I - STANDARD (TYPE "C") 10' INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	4	\$1,600.00	\$6,400.00	\$1,293.00	\$4,932.00	\$2,200.00	\$8,800.00
15.	STAGE II - STANDARD (TYPE "C") 10' INLET, COMPLETE IN PLACE	EA	4	\$1,425.00	\$5,700.00	\$1,950.00	\$7,800.00	\$1,200.00	\$4,800.00
16.	TYPE "E" INLET, COMPLETE IN PLACE	EA	9	\$2,200.00	\$19,800.00	\$2,050.00	\$18,450.00	\$2,000.00	\$18,000.00
17.	TYPE "C" MANHOLE FOR 42" STORM SEWER & SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	14	\$2,250.00	\$31,500.00	\$2,550.00	\$35,700.00	\$2,700.00	\$37,800.00
18.	TYPE "C" MANHOLE FOR 48" STORM SEWER & LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$8,850.00	\$8,850.00	\$4,000.00	\$4,000.00	\$4,500.00	\$4,500.00
19.	8' X 8' JUNCTION BOX, WITH MANHOLE TOP, ALL DEPTHS, SEALED SHOP DRAWINGS TO BE SUBMITTED BY CONTRACTOR, COMPLETE IN PLACE	EA	1	\$6,500.00	\$6,500.00	\$8,000.00	\$8,000.00	\$7,000.00	\$7,000.00
20.	TYPE "C" MANHOLE WITH MULTISMART MULTITRODE PROBE INSIDE MANHOLE (MANHOLE D-15 ON PLANS), COMPLETE IN PLACE	LS	1	\$10,000.00	\$10,000.00	\$8,500.00	\$8,500.00	\$6,000.00	\$6,000.00
21.	1" CONTROL CONDUIT AND WIRE FROM PUMP STATION TO MANHOLE D-15 (PARALLEL TO STORM FORCE MAIN; 1195 LF), PROVIDE 2 #12, 1 #12G WITH PRECAST CONCRETE PULLBOX AT MIDPOINT. HIGHWATER LEVEL IN MANHOLE D-15 SHALL INHIBIT PUMP RUN, COMPLETE IN PLACE	LS	1	\$6,150.00	\$6,150.00	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00
22.	24" STORM SEWER OUTFALL TO ROADSIDE DITCH, INCLUDING SLOPE PAVING, DRESSING DITCH SLOPES, CUT PIPE TO MATCH SIDE SLOPE, AND 4:1 SAFETY END TREATMENT, COMPLETE IN PLACE	LS	1	\$5,200.00	\$5,200.00	\$5,100.00	\$5,100.00	\$5,700.00	\$5,700.00
23.	ADDITIONAL COST FOR STORM SEWER BEDDING & BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	458	\$15.00	\$6,870.00	\$15.00	\$6,870.00	\$15.00	\$6,870.00
24.	DEWATERING, ALL SIZES & DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	458	\$25.00	\$11,450.00	\$25.00	\$11,450.00	\$30.00	\$13,740.00
25.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	3,025	\$3.50	\$10,587.50	\$1.50	\$4,537.50	\$2.60	\$7,865.00
26.	EXTRA CEMENT STABILIZED SAND, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	50	\$20.00	\$1,000.00	\$20.00	\$1,000.00	\$20.00	\$1,000.00
27.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE INCLUDING MAINTAINING EXISTING FILTER FABRIC FENCE AND STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	LS	1	\$1,200.00	\$1,200.00	\$1,000.00	\$1,000.00	\$600.00	\$600.00
28.	STABILIZED CONSTRUCTION EXIT AT LOCATIONS SHOWN ON PLANS, INSTALLATION AND REMOVAL, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$1,200.00	\$1,200.00	\$1,200.00	\$1,200.00	\$2,500.00	\$2,500.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
29.	8" BRICK PLUG FOR 30" STORM SEWER PIPE, COMPLETE IN PLACE	EA	1	\$360.00	\$360.00	\$100.00	\$100.00	\$230.00	\$230.00
30.	V-BOTTOM GRASS-LINED DRAINAGE SWALES WITH 3 TO 1 SIDE SLOPES AT 0.1%, TO INCLUDE FINE GRADING AND SEEDING, COMPLETE IN PLACE	LF	2,980	\$3.50	\$10,430.00	\$2.00	\$5,960.00	\$4.50	\$13,410.00
31.	PLUG FOR 10" STM FORCEMAIN, COMPLETE IN PLACE	EA	1	\$160.00	\$160.00	\$100.00	\$100.00	\$150.00	\$150.00
32.	EXISTING GRASS-LINED DRAINAGE SWALE TO BE DEMUCKED AND FILLED, COMPLETE IN PLACE	LF	100	\$5.00	\$500.00	\$8.00	\$800.00	\$10.00	\$1,000.00
33.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC ALONG BACK OF CURB AFTER LOT GRADING AND CURB ARE COMPLETE (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	6,225	\$1.25	\$7,781.25	\$1.25	\$7,781.25	\$1.25	\$7,781.25
34.	INSTALL AND MAINTAIN FILTER FABRIC FENCE ALONG BOUNDARY BEFORE CONSTRUCTION STARTS (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	3,609	\$1.00	\$3,609.00	\$1.00	\$3,609.00	\$1.00	\$3,609.00
35.	STAGE II INLET PROTECTION BARRIER (4 SAND BAGS PER INLET) FOR PROPOSED AND EXISTING INLETS, COMPLETE IN PLACE	EA	28	\$45.00	\$1,260.00	\$10.00	\$280.00	\$55.00	\$1,540.00
36.	HYDROMULCH SEEDING, FINE GRADING AND WATERING OF ROW AND MEDIANS (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1.3	\$1,250.00	\$1,625.00	\$1,000.00	\$1,300.00	\$1,400.00	\$1,820.00
37.	BROADCAST SEEDING, FERTILIZING, AND WATERING OF LOTS AND RESERVES (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	11.9	\$600.00	\$7,140.00	\$600.00	\$7,140.00	\$700.00	\$8,330.00
38.	INSTALLATION, MAINTENANCE, AND REMOVAL OF CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$350.00	\$350.00	\$500.00	\$500.00	\$400.00	\$400.00
39.	REMOVE AND DISPOSE OF EXISTING BARBED WIRE FENCE, COMPLETE IN PLACE	LF	972	\$3.00	\$2,916.00	\$1.00	\$972.00	\$2.25	\$2,187.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$467,073.65		\$492,942.05		\$519,408.15
DETENTION ITEMS									
1.	2' CLAY LINER, CONTRACTOR TO OVER-EXCAVATE 2' INTO UNDESIRABLE MATERIAL AND REPLACE WITH ON-SITE EXCAVATED SUITABLE MATERIAL, PER GEOTECHNICAL ENGINEER RECOMMENDATIONS, COMPLETE IN PLACE	SY	1,143	\$2.50	\$2,857.50	\$2.00	\$2,286.00	\$10.00	\$11,430.00
2.	4'X2' STORM SEWER OUTFALL INCLUDING 5" THICK REINFORCED CONCRETE SLOPE PAVING, DRESSING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE, DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LS	1	\$8,500.00	\$8,500.00	\$10,000.00	\$10,000.00	\$9,000.00	\$9,000.00
3.	18" STORM SEWER OUTFALL INCLUDING 5" THICK REINFORCED CONCRETE SLOPE PAVING, DRESSING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE, DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LS	1	\$4,000.00	\$4,000.00	\$4,500.00	\$4,500.00	\$7,000.00	\$7,000.00
4.	30" STORM SEWER OUTFALL INCLUDING 5" THICK REINFORCED CONCRETE SLOPE PAVING, DRESSING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LS	1	\$4,000.00	\$4,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00
5.	36" STORM SEWER OUTFALL INCLUDING 5" THICK REINFORCED CONCRETE SLOPE PAVING, DRESSING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LS	1	\$4,500.00	\$4,500.00	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00
6.	42" STORM SEWER OUTFALL INCLUDING 5" THICK REINFORCED CONCRETE SLOPE PAVING, DRESSING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LS	1	\$7,500.00	\$7,500.00	\$9,000.00	\$9,000.00	\$10,000.00	\$10,000.00
7.	48" STORM SEWER OUTFALL INCLUDING 5" THICK REINFORCED CONCRETE SLOPE PAVING, DRESSING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LS	1	\$7,500.00	\$7,500.00	\$12,000.00	\$12,000.00	\$7,000.00	\$7,000.00

BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE AND DETENTION FACILITIES
 TO SERVE MIRROR LAKE SECTION 1
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 28
 CITY OF PEARLAND, BRAZORIA COUNTY, TEXAS
 DECEMBER 15, 2017
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 15, 2017
 2527-1010D (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	1) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY		2) DIMAS BROS. CONSTRUCTION		3) REDDICO CONSTRUCTION CO., INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8.	5" REINFORCED CONCRETE WEIR, COMPLETE IN PLACE	SY	45	\$75.00	\$3,375.00	\$138.00	\$6,210.00	\$140.00	\$6,300.00
9.	GRASS LINED, V BOTTOM BACKSLOPE SWALES WITH 3:1 MAX SIDE SLOPES, COMPLETE IN PLACE	LF	760	\$3.50	\$2,660.00	\$1.80	\$1,368.00	\$4.50	\$3,420.00
10.	BACKSLOPE INTERCEPTOR STRUCTURE, INCLUDING 24" ASCP STM, UTILITY SPOILS, TRENCH SAFETY, AND INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	2	\$8,000.00	\$16,000.00	\$8,800.00	\$17,600.00	\$6,000.00	\$12,000.00
11.	5" THICK REINFORCED CONCRETE PILOT CHANNEL, 6' WIDE, COMPLETE IN PLACE	LF	287	\$50.00	\$14,350.00	\$84.00	\$24,108.00	\$50.00	\$14,350.00
12.	BROADCAST SEEDING, FERTILIZING, AND WATERING OF THE POND MAINTENANCE BERMS (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	0.8	\$750.00	\$600.00	\$1,200.00	\$960.00	\$700.00	\$560.00
13.	HYDROMULCH SEEDING, FINE GRADING, AND WATERING OF THE POND SIDE SLOPES (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1.6	\$2,150.00	\$3,440.00	\$1,200.00	\$1,920.00	\$1,400.00	\$2,240.00
14.	TIMBER BENT, ALL SIZES, COMPLETE IN PLACE	EA	2	\$1,200.00	\$2,400.00	\$1,500.00	\$3,000.00	\$1,000.00	\$2,000.00
15.	TEMPORARY ROCK FILTER DAM, AS SHOWN IN PLANS, TO INCLUDED INSTALLATION, MAINTENANCE AND REMOVAL, COMPLETE IN PLACE	EA	1	\$100.00	\$100.00	\$638.60	\$638.60	\$2,000.00	\$2,000.00
16.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF POND, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	900	\$25.00	\$22,500.00	\$25.00	\$22,500.00	\$30.00	\$27,000.00
SUBTOTAL DETENTION ITEMS					\$104,282.50		\$131,090.60		\$131,300.00
BID SUMMARY									
SUBTOTAL WATER ITEMS					\$149,074.20		\$156,694.25		\$179,358.90
SUBTOTAL SANITARY SEWER ITEMS					\$250,144.30		\$230,405.10		\$248,109.20
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$467,073.65		\$492,942.05		\$519,408.15
SUBTOTAL DETENTION ITEMS					\$104,282.50		\$131,090.60		\$131,300.00
TOTAL AMOUNT BID					\$970,574.65		\$1,011,132.00		\$1,078,176.25

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CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE AND DETENTION FACILITIES
 TO SERVE MIRROR LAKE SECTION 1
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 28
 CITY OF PEARLAND, BRAZORIA COUNTY, TEXAS
 DECEMBER 15, 2017
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 15, 2017
 2527-1010D (9.2)

BID OPENING DATE:
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LJA JOB NO.

4) HARRIS CONSTRUCTION COMPANY, LTD.

5) BAY UTILITIES, LLC

6) MONARCH CIVIL CONSTRUCTORS

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
WATER ITEMS									
1.	6" PVC WATER PIPE, C-900, DR 18, TO INCLUDE ALL FITTINGS, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	457	\$17.00	\$7,769.00	\$13.00	\$5,941.00	\$19.00	\$8,683.00
2.	8" PVC WATER PIPE, C-900, DR 18, TO INCLUDE ALL FITTINGS, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	2,620	\$21.00	\$55,020.00	\$16.00	\$41,920.00	\$21.00	\$55,020.00
3.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2,957	\$3.00	\$8,871.00	\$1.00	\$2,957.00	\$0.40	\$1,182.80
4.	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" VALVE & BOX, 6" LEAD AND FIRE HYDRANT, BEDDING AND BACKFILL, AND TRENCH SAFETY, COMPLETE IN PLACE	EA	6	\$4,375.00	\$26,250.00	\$4,000.00	\$24,000.00	\$3,929.00	\$23,574.00
5.	FIRE HYDRANT UNIT, ALL DEPTHS, INCLUDES 6" VALVE AND BOX AND FIRE HYDRANT, BEDDING AND BACKFILL AND TRENCH SAFETY, COMPLETE IN PLACE	EA	1	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$3,885.00	\$3,885.00
6.	6" AWWA GATE VALVE & BOX, AND NECESSARY ADJUSTMENTS, COMPLETE IN PLACE	EA	3	\$675.00	\$2,025.00	\$550.00	\$1,650.00	\$667.00	\$2,001.00
7.	8" AWWA GATE VALVE & BOX, AND ADJUSTMENTS AS NECESSARY, COMPLETE IN PLACE	EA	9	\$975.00	\$8,775.00	\$770.00	\$6,930.00	\$975.00	\$8,775.00
8.	SHORT SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE INCLUDES TRENCH SAFETY, METER BOX, CURB STOP, MARKER AND ALL NECESSARY CONNECTORS, PLUGS AND TAPS, COMPLETE IN PLACE	EA	9	\$625.00	\$5,625.00	\$660.00	\$5,940.00	\$492.00	\$4,428.00
9.	LONG SIDE DOUBLE OR SINGLE SERVICE, 1" (CTS POLYETHYLENE, SDR-9) WATER SERVICE INCLUDES TRENCH SAFETY, METER BOX, CURB STOP, MARKER, AND ALL NECESSARY CONNECTORS, PLUGS AND TAPS, COMPLETE IN PLACE	EA	35	\$1,250.00	\$43,750.00	\$990.00	\$34,650.00	\$773.00	\$27,055.00
10.	EXTRA CAST IRON FITTINGS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	TON	2	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$1,192.00	\$2,384.00
11.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	677	\$3.00	\$2,031.00	\$4.00	\$2,708.00	\$4.00	\$2,708.00
12.	TRENCHLESS CONSTRUCTION OF 8" PVC WATER PIPE, INCLUDES STEEL CASING, DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LF	60	\$130.00	\$7,800.00	\$150.00	\$9,000.00	\$106.00	\$6,360.00
13.	12"X8" TS AND V, COMPLETE IN PLACE	EA	1	\$5,000.00	\$5,000.00	\$4,300.00	\$4,300.00	\$3,890.00	\$3,890.00
14.	TEMPORARY TRAFFIC CONTROL AS NECESSARY FOR CONSTRUCTION OF SANITARY AND WATER ITEMS AT FITE ROAD, COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00	\$4,500.00	\$4,500.00	\$5,962.00	\$5,962.00
SUBTOTAL WATER ITEMS					\$181,916.00		\$150,496.00		\$155,907.80
SANITARY SEWER ITEMS									
1.	8" PVC SEWER PIPE, ASTM D-3034, SDR 26, 0' - 12' CUT, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	2,978	\$23.80	\$70,876.40	\$30.00	\$89,340.00	\$27.00	\$80,406.00
2.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	2,978	\$3.00	\$8,934.00	\$1.00	\$2,978.00	\$0.40	\$1,191.20
3.	STANDARD SANITARY SEWER MANHOLE FOR 6" - 24" SANITARY SEWER PIPES, (8' DEPTH), TO INCLUDE INTERNAL COATING, AND STAINLESS STEEL INFLOW PROTECTOR, COMPLETE IN PLACE	EA	16	\$4,150.00	\$66,400.00	\$4,000.00	\$64,000.00	\$4,074.00	\$65,184.00
4.	EXTRA DEPTH OF STANDARD SANITARY SEWER MANHOLE (OVER 8' DEPTH), COMPLETE IN PLACE	VF	33	\$365.00	\$12,045.00	\$250.00	\$8,250.00	\$282.00	\$9,306.00

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 TO SERVE MIRROR LAKE SECTION 1
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 28
 CITY OF PEARLAND, BRAZORIA COUNTY, TEXAS
 DECEMBER 15, 2017
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 15, 2017
 2527-1010D (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) HARRIS CONSTRUCTION COMPANY, L.T.D.		5) BAY UTILITIES, LLC		6) MONARCH CIVIL CONSTRUCTORS	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5.	LONG SIDE DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEADS, ASTM D2241 SDR 26 CL160 GREEN, ALL DEPTHS, INCLUDING CEMENT STABILIZED BACKFILL, TRENCH SAFETY, INTERNAL MANHOLE DROPS, RISER/STACK, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	12	\$2,350.00	\$28,200.00	\$1,200.00	\$14,400.00	\$1,558.00	\$18,696.00
6.	SHORT SIDE DOUBLE OR SINGLE 6" P.V.C. PIPE SERVICE LEADS, ASTM D2241 SDR 26 CL160 GREEN, ALL DEPTHS, INCLUDING CEMENT STABILIZED BACKFILL, TRENCH SAFETY, INTERNAL MANHOLE DROPS, RISER/STACK, WYE, PLUG, MARKER, AND ANY NECESSARY FITTINGS, ETC., COMPLETE IN PLACE	EA	49	\$475.00	\$23,275.00	\$640.00	\$31,360.00	\$661.00	\$32,389.00
7.	ADDITIONAL COST FOR SANITARY SEWER BEDDING & BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES & DEPTHS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	298	\$15.00	\$4,470.00	\$15.00	\$4,470.00	\$15.00	\$4,470.00
8.	DEWATERING, ALL SIZES & DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	298	\$25.00	\$7,450.00	\$25.00	\$7,450.00	\$25.00	\$7,450.00
9.	TV TESTING OF SANITARY SEWER, TO INCLUDE CLEANING AND DESILTING AS NECESSARY, COMPLETE IN PLACE	LF	2,978	\$3.00	\$8,934.00	\$2.00	\$5,956.00	\$3.00	\$8,934.00
10.	EXTRA CEMENT STABILIZED SAND, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	50	\$20.00	\$1,000.00	\$30.00	\$1,500.00	\$20.00	\$1,000.00
11.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	639	\$3.00	\$1,917.00	\$4.00	\$2,556.00	\$4.00	\$2,556.00
12.	INSTALL STANDARD SANITARY SEWER MANHOLE ON TOP OF EXISTING 24" SANITARY SEWER, TO INCLUDE TEMPORARY PLUG AND BYPASS PUMPING, DOES NOT INCLUDE MANHOLE, COMPLETE IN PLACE	LS	1	\$2,500.00	\$2,500.00	\$9,000.00	\$9,000.00	\$42,134.00	\$42,134.00
13.	8" STANDARD INTERNAL SANITARY DROP STRUCTURE, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,450.00	\$2,450.00	\$4,000.00	\$4,000.00	\$5,251.00	\$5,251.00
14.	ADJUST EXISTING SANITARY MANHOLE RIM AS NECESSARY, COMPLETE IN PLACE	EA	1	\$1,150.00	\$1,150.00	\$700.00	\$700.00	\$252.00	\$252.00
SUBTOTAL SANITARY SEWER ITEMS					\$239,601.40		\$245,960.00		\$279,219.20
DRAINAGE FACILITIES ITEMS									
1.	18" STORM SEWER, ALL CUTS, TO INCLUDE BEDDING & BACKFILL, COMPLETE IN PLACE	LF	898	\$51.85	\$46,561.30	\$41.00	\$36,818.00	\$58.00	\$52,084.00
2.	24" STORM SEWER, ALL CUTS, TO INCLUDE BEDDING & BACKFILL, COMPLETE IN PLACE	LF	419	\$57.60	\$24,134.40	\$52.00	\$21,788.00	\$75.00	\$31,425.00
3.	30" STORM SEWER, ALL CUTS, TO INCLUDE BEDDING & BACKFILL, COMPLETE IN PLACE	LF	335	\$69.00	\$23,115.00	\$68.00	\$22,780.00	\$92.00	\$30,820.00
4.	36" STORM SEWER, ALL CUTS, TO INCLUDE BEDDING & BACKFILL, COMPLETE IN PLACE	LF	1,308	\$122.00	\$159,576.00	\$94.00	\$122,952.00	\$120.00	\$156,960.00
5.	4X2' RCB STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	27	\$198.95	\$5,371.65	\$174.00	\$4,698.00	\$267.00	\$7,209.00
6.	18" ASCP STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	121	\$70.00	\$8,470.00	\$52.00	\$6,292.00	\$61.00	\$7,381.00
7.	36" ASCP STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	57	\$107.00	\$6,099.00	\$84.00	\$4,788.00	\$95.00	\$5,415.00
8.	42" ASCP STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	63	\$125.00	\$7,875.00	\$102.00	\$6,426.00	\$120.00	\$7,560.00

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CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE AND DETENTION FACILITIES
 TO SERVE MIRROR LAKE SECTION 1
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 28
 CITY OF PEARLAND, BRAZORIA COUNTY, TEXAS
 DECEMBER 15, 2017
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 15, 2017
 2527-1010D (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) HARRIS CONSTRUCTION COMPANY, LTD.		5) BAY UTILITIES, LLC		6) MONARCH CIVIL CONSTRUCTORS	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
9.	48" ASCP STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	156	\$140.00	\$21,840.00	\$126.00	\$19,656.00	\$122.00	\$19,032.00
10.	10" PVC FORCE MAIN, AWWA C-900 DR18 ALL DEPTHS, TO INCLUDE ALL FITTINGS, BEDDING, RESTRAINED JOINT WHERE REQUIRED AND ALL APPURTENANCES, COMPLETE IN PLACE	LF	1,195	\$30.00	\$35,850.00	\$22.00	\$26,290.00	\$45.00	\$53,775.00
11.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	4,579	\$2.50	\$11,447.50	\$1.00	\$4,579.00	\$0.40	\$1,831.60
12.	STAGE I - STANDARD (TYPE "C") INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	13	\$1,100.00	\$14,300.00	\$1,100.00	\$14,300.00	\$2,917.00	\$37,921.00
13.	STAGE II - STANDARD (TYPE "C") INLET, COMPLETE IN PLACE	EA	13	\$1,300.00	\$16,900.00	\$1,600.00	\$20,800.00	\$704.00	\$9,152.00
14.	STAGE I - STANDARD (TYPE "C") 10' INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	EA	4	\$1,600.00	\$6,400.00	\$2,000.00	\$8,000.00	\$3,551.00	\$14,204.00
15.	STAGE II - STANDARD (TYPE "C") 10' INLET, COMPLETE IN PLACE	EA	4	\$1,825.00	\$7,300.00	\$1,900.00	\$7,600.00	\$1,018.00	\$4,072.00
16.	TYPE "E" INLET, COMPLETE IN PLACE	EA	9	\$2,695.00	\$24,255.00	\$2,900.00	\$26,100.00	\$2,925.00	\$26,325.00
17.	TYPE "C" MANHOLE FOR 42" STORM SEWER & SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	14	\$2,945.00	\$41,230.00	\$3,800.00	\$53,200.00	\$3,057.00	\$42,798.00
18.	TYPE "C" MANHOLE FOR 48" STORM SEWER & LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$7,650.00	\$7,650.00	\$7,300.00	\$7,300.00	\$7,864.00	\$7,864.00
19.	8' X 8' JUNCTION BOX, WITH MANHOLE TOP, ALL DEPTHS, SEALED SHOP DRAWINGS TO BE SUBMITTED BY CONTRACTOR, COMPLETE IN PLACE	EA	1	\$6,000.00	\$6,000.00	\$11,000.00	\$11,000.00	\$5,289.00	\$5,289.00
20.	TYPE "C" MANHOLE WITH MULTISMART MULTITRODE PROBE INSIDE MANHOLE (MANHOLE D-15 ON PLANS), COMPLETE IN PLACE	LS	1	\$9,000.00	\$9,000.00	\$20,000.00	\$20,000.00	\$20,211.00	\$20,211.00
21.	1" CONTROL CONDUIT AND WIRE FROM PUMP STATION TO MANHOLE D-15 (PARALLEL TO STORM FORCE MAIN; 1195 LF), PROVIDE 2 #12, 1 #12G WITH PRECAST CONCRETE PULLBOX AT MIDPOINT. HIGHWATER LEVEL IN MANHOLE D-15 SHALL INHIBIT PUMP RUN, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00	\$14,000.00	\$14,000.00	\$20,320.00	\$20,320.00
22.	24" STORM SEWER OUTFALL TO ROADSIDE DITCH, INCLUDING SLOPE PAVING, DRESSING DITCH SLOPES, CUT PIPE TO MATCH SIDE SLOPE, AND 4:1 SAFETY END TREATMENT, COMPLETE IN PLACE	LS	1	\$3,500.00	\$3,500.00	\$4,900.00	\$4,900.00	\$3,080.00	\$3,080.00
23.	ADDITIONAL COST FOR STORM SEWER BEDDING & BACKFILL FOR UNSATISFACTORY SOIL CONDITIONS, ALL SIZES AND DEPTHS (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	458	\$15.00	\$6,870.00	\$15.00	\$6,870.00	\$15.00	\$6,870.00
24.	DEWATERING, ALL SIZES & DEPTHS, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	458	\$25.00	\$11,450.00	\$25.00	\$11,450.00	\$25.00	\$11,450.00
25.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	3,025	\$3.00	\$9,075.00	\$4.00	\$12,100.00	\$4.00	\$12,100.00
26.	EXTRA CEMENT STABILIZED SAND, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	CY	50	\$20.00	\$1,000.00	\$30.00	\$1,500.00	\$20.00	\$1,000.00
27.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE INCLUDING MAINTAINING EXISTING FILTER FABRIC FENCE AND STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	LS	1	\$995.00	\$995.00	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00
28.	STABILIZED CONSTRUCTION EXIT AT LOCATIONS SHOWN ON PLANS, INSTALLATION AND REMOVAL, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$1,200.00	\$1,200.00	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00

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 TO SERVE MIRROR LAKE SECTION 1
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 28
 CITY OF PEARLAND, BRAZORIA COUNTY, TEXAS
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4) HARRIS CONSTRUCTION COMPANY, LTD.

5) BAY UTILITIES, LLC

6) MONARCH CIVIL CONSTRUCTORS

ITEM	DESCRIPTION	UNIT	QTY	4) HARRIS CONSTRUCTION COMPANY, LTD.		5) BAY UTILITIES, LLC		6) MONARCH CIVIL CONSTRUCTORS	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
29.	8" BRICK PLUG FOR 30" STORM SEWER PIPE, COMPLETE IN PLACE	EA	1	\$350.00	\$350.00	\$500.00	\$500.00	\$350.00	\$350.00
30.	V-BOTTOM GRASS-LINED DRAINAGE SWALES WITH 3 TO 1 SIDE SLOPES AT 0.1%, TO INCLUDE FINE GRADING AND SEEDING, COMPLETE IN PLACE	LF	2,980	\$3.00	\$8,940.00	\$18.00	\$53,640.00	\$7.00	\$20,860.00
31.	PLUG FOR 10" STM FORCEMAIN, COMPLETE IN PLACE	EA	1	\$250.00	\$250.00	\$280.00	\$280.00	\$246.00	\$246.00
32.	EXISTING GRASS-LINED DRAINAGE SWALE TO BE DEMUCKED AND FILLED, COMPLETE IN PLACE	LF	100	\$7.00	\$700.00	\$27.00	\$2,700.00	\$8.00	\$800.00
33.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC ALONG BACK OF CURB AFTER LOT GRADING AND CURB ARE COMPLETE (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	6,225	\$1.25	\$7,781.25	\$1.60	\$9,960.00	\$1.25	\$7,781.25
34.	INSTALL AND MAINTAIN FILTER FABRIC FENCE ALONG BOUNDARY BEFORE CONSTRUCTION STARTS (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	3,609	\$1.00	\$3,609.00	\$2.70	\$9,744.30	\$1.10	\$3,969.90
35.	STAGE II INLET PROTECTION BARRIER (4 SAND BAGS PER INLET) FOR PROPOSED AND EXISTING INLETS, COMPLETE IN PLACE	EA	28	\$50.00	\$1,400.00	\$50.00	\$1,400.00	\$64.00	\$1,792.00
36.	HYDROMULCH SEEDING, FINE GRADING AND WATERING OF ROW AND MEDIANS (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1.3	\$2,400.00	\$3,120.00	\$2,200.00	\$2,860.00	\$1,520.00	\$1,976.00
37.	BROADCAST SEEDING, FERTILIZING, AND WATERING OF LOTS AND RESERVES (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	11.9	\$700.00	\$8,330.00	\$1,200.00	\$14,280.00	\$650.00	\$7,735.00
38.	INSTALLATION, MAINTENANCE, AND REMOVAL OF CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$900.00	\$900.00	\$835.00	\$835.00
39.	REMOVE AND DISPOSE OF EXISTING BARBED WIRE FENCE, COMPLETE IN PLACE	LF	972	\$3.00	\$2,916.00	\$5.00	\$4,860.00	\$6.00	\$5,832.00
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$585,861.10		\$600,811.30		\$652,325.75
DETENTION ITEMS									
1.	2' CLAY LINER, CONTRACTOR TO OVER-EXCAVATE 2' INTO UNDESIRABLE MATERIAL AND REPLACE WITH ON-SITE EXCAVATED SUITABLE MATERIAL, PER GEOTECHNICAL ENGINEER RECOMMENDATIONS, COMPLETE IN PLACE	SY	1,143	\$10.00	\$11,430.00	\$9.00	\$10,287.00	\$6.00	\$6,858.00
2.	4'X2' STORM SEWER OUTFALL INCLUDING 5" THICK REINFORCED CONCRETE SLOPE PAVING, DRESSING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE, DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LS	1	\$10,250.00	\$10,250.00	\$15,000.00	\$15,000.00	\$6,500.00	\$6,500.00
3.	18" STORM SEWER OUTFALL INCLUDING 5" THICK REINFORCED CONCRETE SLOPE PAVING, DRESSING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE, DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LS	1	\$3,000.00	\$3,000.00	\$9,800.00	\$9,800.00	\$2,500.00	\$2,500.00
4.	30" STORM SEWER OUTFALL INCLUDING 5" THICK REINFORCED CONCRETE SLOPE PAVING, DRESSING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LS	1	\$3,500.00	\$3,500.00	\$11,000.00	\$11,000.00	\$2,700.00	\$2,700.00
5.	36" STORM SEWER OUTFALL INCLUDING 5" THICK REINFORCED CONCRETE SLOPE PAVING, DRESSING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LS	1	\$4,000.00	\$4,000.00	\$12,500.00	\$12,500.00	\$2,900.00	\$2,900.00
6.	42" STORM SEWER OUTFALL INCLUDING 5" THICK REINFORCED CONCRETE SLOPE PAVING, DRESSING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00	\$14,500.00	\$14,500.00	\$3,100.00	\$3,100.00
7.	48" STORM SEWER OUTFALL INCLUDING 5" THICK REINFORCED CONCRETE SLOPE PAVING, DRESSING POND SIDE SLOPE, CUT PIPE TO MATCH SIDE SLOPE DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LS	1	\$8,750.00	\$8,750.00	\$16,000.00	\$16,000.00	\$4,132.00	\$4,132.00

BID TABULATION FOR:

CONSTRUCTION OF THE WATER, SANITARY SEWER, DRAINAGE AND DETENTION FACILITIES
 TO SERVE MIRROR LAKE SECTION 1
 BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 28
 CITY OF PEARLAND, BRAZORIA COUNTY, TEXAS
 DECEMBER 15, 2017
 LJA ENGINEERING, INC.
 C. DURHAM
 DECEMBER 15, 2017
 2527-1010D (9.2)

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

4) HARRIS CONSTRUCTION COMPANY, LTD.

5) BAY UTILITIES, LLC

6) MONARCH CIVIL CONSTRUCTORS

ITEM	DESCRIPTION	UNIT	QTY	4) HARRIS CONSTRUCTION COMPANY, LTD.		5) BAY UTILITIES, LLC		6) MONARCH CIVIL CONSTRUCTORS	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8.	5" REINFORCED CONCRETE WEIR, COMPLETE IN PLACE	SY	45	\$115.00	\$5,175.00	\$82.00	\$3,690.00	\$66.00	\$2,970.00
9.	GRASS LINED, V BOTTOM BACKSLOPE SWALES WITH 3:1 MAX SIDE SLOPES, COMPLETE IN PLACE	LF	760	\$3.00	\$2,280.00	\$18.00	\$13,680.00	\$7.00	\$5,320.00
10.	BACKSLOPE INTERCEPTOR STRUCTURE, INCLUDING 24" ASCP STM, UTILITY SPOILS, TRENCH SAFETY, AND INLET PROTECTION BARRIERS, COMPLETE IN PLACE	EA	2	\$7,825.00	\$15,650.00	\$6,500.00	\$13,000.00	\$7,500.00	\$15,000.00
11.	5" THICK REINFORCED CONCRETE PILOT CHANNEL, 6' WIDE, COMPLETE IN PLACE	LF	287	\$50.00	\$14,350.00	\$70.00	\$20,090.00	\$59.00	\$16,933.00
12.	BROADCAST SEEDING, FERTILIZING, AND WATERING OF THE POND MAINTENANCE BERMS (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	0.8	\$1,000.00	\$800.00	\$2,200.00	\$1,760.00	\$750.00	\$600.00
13.	HYDROMULCH SEEDING, FINE GRADING, AND WATERING OF THE POND SIDE SLOPES (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	1.6	\$3,000.00	\$4,800.00	\$2,800.00	\$4,480.00	\$1,520.00	\$2,432.00
14.	TIMBER BENT, ALL SIZES, COMPLETE IN PLACE	EA	2	\$1,200.00	\$2,400.00	\$1,900.00	\$3,800.00	\$1,545.00	\$3,090.00
15.	TEMPORARY ROCK FILTER DAM, AS SHOWN IN PLANS, TO INCLUDED INSTALLATION, MAINTENANCE AND REMOVAL, COMPLETE IN PLACE	EA	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00
16.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF POND, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	900	\$25.00	\$22,500.00	\$30.00	\$27,000.00	\$25.00	\$22,500.00
SUBTOTAL DETENTION ITEMS					\$118,885.00		\$181,587.00		\$99,535.00
BID SUMMARY									
SUBTOTAL WATER ITEMS					\$181,916.00		\$150,496.00		\$155,907.80
SUBTOTAL SANITARY SEWER ITEMS					\$239,601.40		\$245,960.00		\$279,219.20
SUBTOTAL DRAINAGE FACILITIES ITEMS					\$585,861.10		\$600,811.30		\$652,325.75
SUBTOTAL DETENTION ITEMS					\$118,885.00		\$181,587.00		\$99,535.00
TOTAL AMOUNT BID					\$1,126,263.50		\$1,178,854.30		\$1,186,987.75