

BID TABULATION FOR:

CONSTRUCTION OF THE TWINWOOD BUSINESS PARK PHASE 3
DETENTION FACILITIES AND AMENITY LAKE TO SERVE
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213
WALLER COUNTY, TEXAS
FEBRUARY 6, 2020
LJA ENGINEERING, INC.
C. DURHAM
FEBRUARY 7, 2020
7777-1056 (9.2)

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

BIDDER'S NAME	TOTAL BID AMOUNT	TOTAL AMOUNT BID INCLUDING ALTERNATE 'A'	TOTAL AMOUNT BID INCLUDING ALTERNATE 'B'
1) TEXAS DEWATERING, LLC	\$2,162,005.91 *	\$2,883,873.71 *	\$9,628,004.31 *
2) ALLGOOD CONSTRUCTION CO., INC	\$2,270,494.60	\$3,076,009.90	\$8,369,898.00
3) SONORA SWQM CO. dba SONORA CONSTRUCTION	\$2,472,742.50	\$2,996,902.50 *	\$8,265,706.50 *
4) HARRIS CONSTRUCTION COMPANY, LTD	\$2,742,643.25	\$3,154,768.25	\$6,441,318.75
5) HURTADO CONSTRUCTION COMPANY	\$3,070,493.90 *	\$3,478,373.90 *	\$4,501,919.50 *
6) TLC CONSTRUCTION CONTRACT SERVICES	\$3,845,709.00 *	\$4,699,239.00 *	\$9,972,394.00 *

CALENDAR DAYS - 120/135



Steven Boyd 2/7/2020

I, Steven Boyd, P.E., hereby certify these bid tabulations to be true and correct.

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 WALLER COUNTY, TEXAS
 FEBRUARY 6, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
 FEBRUARY 7, 2020
 7777-1056 (9.2)

ITEM DESCRIPTION	UNIT	QTY	1) TEXAS DEWATERING, LLC		2) ALLGOOD CONSTRUCTION CO., INC		3) SONORA SWQM CO. dba SONORA		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
DRAINAGE AND DETENTION POND ITEMS FOR POND E									
1. EXCAVATION OF AMENITY PORTION, HAULING, STRIPPING, PLACEMENT AND COMPACTION OF LAKE, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	72,505	\$2.22	\$160,961.10 *	\$2.97	\$215,339.85	\$3.20	\$232,016.00	
2. EXCAVATION OF DETENTION PORTION, HAULING, STRIPPING, PLACEMENT AND COMPACTION OF LAKE, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	116,275	\$2.22	\$258,130.50 *	\$2.97	\$345,336.75	\$3.20	\$372,080.00	
3. 2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION OF LAKE BOTTOM, (AS DIRECTED BY THE ENGINEER), INCLUDES EXCAVATION 2' OVER DEPTH, SEPARATING AND STOCKPILING SUITABLE CLAY MATERIAL LL > 40%, PL > 20%), PLACEMENT, AND COMPACTION, COMPLETE IN PLACE	CY	27,420	\$2.22	\$60,872.40 *	\$2.43	\$66,630.60	\$2.25	\$61,695.00	
4. 36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	300	\$154.22	\$46,266.00 *	\$143.75	\$43,125.00	\$132.00	\$39,600.00	
5. TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	360	\$1.00	\$360.00	\$1.15	\$414.00	\$1.00	\$360.00	
6. UTILITY SPOIL TO BE HAULED, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	340	\$2.22	\$754.80 *	\$5.75	\$1,955.00	\$5.00	\$1,700.00	
7. BACKSLOPE INTERCEPTOR AND OUTFALL STRUCTURE, TO INCLUDE 24" POLYMER COATED CMP, UTILITY SPOILS, OUTFALL SLOPE PAVING PROTECTION AND TRENCH SAFETY, (ALL SIZES AND LENGTHS), COMPLETE IN PLACE	EA	5	\$18,111.11	\$90,555.55 *	\$6,325.00	\$31,625.00	\$12,850.00	\$64,250.00	
8. BACKSLOPE SWALE WITH 3:1 MAX SIDE SLOPE, INCLUDES EXCAVATION, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATIONS OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	3,430	\$3.33	\$11,421.90 *	\$3.24	\$11,113.20	\$5.00	\$17,150.00	
9. BROADCAST SEEDING, FERTILIZING, AND WATERING OF THE POND MAINTENANCE BERMS (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	5.5	\$666.67	\$3,666.69 *	\$600.00	\$3,300.00	\$600.00	\$3,300.00	
10. HYDROMULCH SEEDING, FINE GRADING, AND WATERING OF THE POND SIDE SLOPES (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	11.7	\$1,200.00	\$14,040.00	\$1,998.00	\$23,376.60	\$1,600.00	\$18,720.00	
11. METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR FOR POND E, CONTRACTOR TO USE LJA SURVEYING, INC. FOR CONSTRUCTION STAKING, 713-953-5200, COMPLETE IN PLACE	LS	1	\$6,880.00	\$6,880.00	\$6,880.00	\$6,880.00	\$6,880.00	\$6,880.00	
12. EXTRA SURVEY TRIP FOR RESTAKING OF POND E PREVIOUSLY PROVIDED CONSTRUCTION STAKES THAT WERE DESTROYED BY OTHERS (THIS ITEM DOES NOT INCLUDE RESTAKING DUE TO CONTRACTOR DESTROYING CONSTRUCTION STAKING OR FAILING TO PROTECT CONSTRUCTION STAKING FROM KNOWN HAZARDS SUCH AS CATTLE CONTRACTOR HAS NOT FENCED OFF, ORDERING STAKING TOO FAR IN ADVANCE, OR CONTRACTORS OWN EQUIPMENT, ETC.)	DAY	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	
13. 12" HDPE STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE, COMPLETE IN PLACE	LF	120	\$227.78	\$27,333.60 *	\$46.00	\$5,520.00	\$59.00	\$7,080.00	
14. 5" REINFORCED CONCRETE SLOPE PAVING, TO INCLUDE 24" TOE AROUND PERIMETER OF SLOPE PAVING, TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE, COMPLETE IN PLACE	SY	28	\$227.78	\$6,377.84 *	\$109.25	\$3,059.00	\$144.00	\$4,032.00	
15. 50" TALL BY 12' WIDE STEEL SWING GATE, "COUNTY LINE" BRAND OR APPROVED EQUAL, TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	EA	2	\$626.53	\$1,253.06 *	\$1,725.00	\$3,450.00	\$500.00	\$1,000.00	

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ITEM	DESCRIPTION	UNIT	QTY	1) TEXAS DEWATERING, LLC		2) ALLGOOD CONSTRUCTION CO., INC		3) SONORA SWQM CO. dba SONORA	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
16.	REMOVAL AND REPLACEMENT OF EXISTING BARBED WIRE FENCE, TO PREVIOUS OR BETTER CONDITION, TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	100	\$8.27	\$827.00 *	\$5.75	\$575.00	\$12.00	\$1,200.00
17.	REPAIR AND RESTORE EXISTING 8" CRUSHED LIMESTONE ACCESS ROAD, (GEOGRID, 6" SUBGRADE, 8" CRUSHED STONE), COMPLETE IN PLACE	SY	45	\$61.11	\$2,749.95 *	\$57.50	\$2,587.50	\$66.00	\$2,970.00
18.	REMOVAL AND REPLACEMENT OF 16" PVC WATER PIPE, C-905, DR 14, RESTRAINED JOINT WATER LINE, ALL DEPTHS, INCLUDING ALL FITTINGS, ADAPTERS, BEDDING AND BACKFILL, WET CONNECTIONS, AND ALL APPURTENANCES NECESSARY, DISINFECTION OF THE LINE SHALL BE PERFORMED AS PART OF THE INSTALLATION PROCESS, COMPLETE IN PLACE	LF	30	\$505.56	\$15,166.80 *	\$115.00	\$3,450.00	\$330.00	\$9,900.00
19.	REMOVAL AND REPLACEMENT OF PRIVATE GAS LINE ALL DEPTHS, INCLUDING ALL FITTINGS, ADAPTERS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	30	\$61.11	\$1,833.30 *	\$86.25	\$2,587.50	\$150.00	\$4,500.00
20.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF GROUNDWATER CONTROL AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE. THIS ITEM DOES NOT, NOR DOES ANY OTHER BID ITEM IN THE BID PROPOSAL, ATTEMPT TO INCLUDE PUMPING OUT THE WET BOTTOM OF DETENTION DURING CONSTRUCTION OF THE WET BOTTOM AFTER RAIN EVENTS. PUMPING OUT OF THE WET BOTTOM DURING WET BOTTOM CONSTRUCTION AND CLAY LINER CONSTRUCTION (IF NECESSARY), DUE TO RAINFALL AND INFLOW SHOULD BE CONSIDERED INCIDENTAL TO THE EXCAVATION, COMPLETE IN PLACE	LF	2,815	\$20.00	\$56,300.00	\$20.00	\$56,300.00	\$20.00	\$56,300.00
21.	AS BUILT SURVEY OF POND E, COMPLETE IN PLACE	LS	1	\$3,600.00	\$3,600.00	\$3,600.00	\$3,600.00	\$3,600.00	\$3,600.00
SUBTOTAL DRAINAGE AND DETENTION POND ITEMS FOR POND E					\$771,350.49 *	\$832,225.00	\$910,333.00		
MISCELLANEOUS ITEMS FOR POND E									
1.	SEEDING OF FILL AREAS, INCLUDING FERTILIZING AND WATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	160	\$600.00	\$96,000.00	\$690.00	\$110,400.00	\$600.00	\$96,000.00
2.	EXTRA CEMENT STABILIZED SAND BACKFILL, (1 - 1/2 SACK PER CUBIC YARD) AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
3.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE AS SHOWN ON SHEET 8, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$1.00	\$100.00	\$2.00	\$200.00
4.	INSTALL AND MAINTAIN FILTER FABRIC FENCE AS SHOWN ON SHEET 8, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$1.00	\$100.00	\$2.00	\$200.00
5.	STABILIZED CONSTRUCTION EXIT AT LOCATION SHOWN ON PLANS, TO INCLUDE INSTALLATION, MAINTENANCE, CULVERT, AND REMOVAL, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$2,700.00	\$2,700.00	\$2,000.00	\$2,000.00
6.	CONCRETE TRUCK WASHOUT PIT, TO INCLUDE INSTALLATION, MAINTENANCE, AND REMOVAL, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00
7.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8.	CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING DEBRIS (INCLUDING TRASH, TIRES, MATTRESSES, ETC.) PER STANDARD 40 YARD DUMPSTER LOAD, INCLUDES LOADING, HAULING OFF, ENVIRONMENTAL COMPLIANCE AND DISPOSAL, TO BE USED AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LOAD	4	\$1,606.67	\$6,426.68 *	\$918.00	\$3,672.00	\$1,300.00	\$5,200.00
9.	TEMPORARY BARBED WIRE FENCING TO BE USED DURING CONSTRUCTION FOR CATTLE CONTROL, TO INCLUDE INSTALLATION, MAINTENANCE, GATES AS NEEDED AND REMOVAL ONCE CONSTRUCTION IS COMPLETE, TO BE USED AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	1,000	\$3.50	\$3,500.00	\$3.50	\$3,500.00	\$5.00	\$5,000.00
10.	REMOVAL AND DISPOSAL OF EXISTING BARBED WIRE FENCE, TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	660	\$2.89	\$1,907.40 *	\$1.62	\$1,069.20	\$5.00	\$3,300.00
11.	5-STRAND BARBED-WIRE FENCE (IF NEEDED), INCLUDING CEDAR BRACE POSTS EVERY 5TH POST, WITH LINE POSTS SPACED AT 16.5' MINIMUM, H BRACES AND CORNER BRACING PER DETAILS AND SPECIFICATIONS, COMPLETE IN PLACE	LF	3,470	\$5.38	\$18,668.60 *	\$4.32	\$14,990.40	\$7.00	\$24,290.00
12.	REGRADING AND RESTORATION OF EXISTING DITCHES, COMPLETE IN PLACE	LF	100	\$3.33	\$333.00 *	\$3.78	\$378.00	\$12.00	\$1,200.00
13.	CONSTRUCTION OF TEMPORARY ACCESS DRIVEWAY AS PER DETAIL ON SHEET 7, INCLUDES INSTALLATION OF 8" THICK BLACK BASE, AND CRUSHED CONCRETE, COMPLETE IN PLACE	SY	450	\$61.11	\$27,499.50 *	\$57.50	\$25,875.00	\$48.00	\$21,600.00
14.	DEMUCK, SCARIFY, AND PROOF ROLL EXISTING SWALE, VARYING BOTTOM WIDTH, 3:1 SIDE SLOPES, COMPLETE IN PLACE	LF	15,695	\$2.78	\$43,632.10 *	\$2.97	\$46,614.15	\$3.00	\$47,085.00
15.	30" X 30" "LIVESTOCK KEEP GATE CLOSED" SIGN, HIGH INTENSITY REFLECTIVE ALUMINUM, (SMARTSIGN, BROOKLYN, NY PART NO. K-3417-GN OR APPROVED EQUAL), MOUNTED TO CATTLE GATE, COMPLETE IN PLACE	EA	2	\$555.56	\$1,111.12 *	\$373.75	\$747.50	\$500.00	\$1,000.00
16.	CLEARING AND GRUBBING OF POND E AND POND E FILL AREA, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$12,500.00	\$12,500.00
SUBTOTAL MISCELLANEOUS ITEMS FOR POND E					\$205,778.40 *	\$215,646.25	\$223,575.00		
DRAINAGE AND DETENTION POND ITEMS FOR POND C4									
1.	EXCAVATION OF AMENITY PORTION, HAULING, STRIPPING, PLACEMENT AND COMPACTION OF LAKE, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	91,270	\$2.21	\$201,706.70 *	\$2.97	\$271,071.90	\$3.20	\$292,064.00
2.	EXCAVATION OF DETENTION PORTION, HAULING, STRIPPING, PLACEMENT AND COMPACTION OF LAKE, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	139,730	\$2.21	\$308,803.30 *	\$2.97	\$414,998.10	\$3.20	\$447,136.00
3.	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION OF LAKE BOTTOM, (AS DIRECTED BY THE ENGINEER), INCLUDES EXCAVATION 2' OVER DEPTH, SEPARATING AND STOCKPILING SUITABLE CLAY MATERIAL LL > 40%, PL > 20%), PLACEMENT, AND COMPACTION, COMPLETE IN PLACE	CY	33,170	\$2.21	\$73,305.70 *	\$2.43	\$80,603.10	\$2.25	\$74,632.50
4.	BACKSLOPE INTERCEPTOR AND OUTFALL STRUCTURE, TO INCLUDE 24" POLYMER COATED CMP, UTILITY SPOILS, OUTFALL SLOPE PAVING PROTECTION AND TRENCH SAFETY, (ALL SIZES AND LENGTHS), COMPLETE IN PLACE	EA	6	\$17,157.89	\$102,947.34 *	\$6,325.00	\$37,950.00	\$12,850.00	\$77,100.00
5.	BACKSLOPE SWALE WITH 3:1 MAX SIDE SLOPE, INCLUDES EXCAVATION, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATIONS OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	3,235	\$3.16	\$10,222.60 *	\$3.24	\$10,481.40	\$5.00	\$16,175.00

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			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6. 4' WIDE "V" SHAPED REINFORCED CONCRETE LINED PILOT CHANNEL, (SEE DETAIL ON SHEET 8), COMPLETE IN PLACE	LF	185	\$71.63	\$13,251.55 *	\$88.55	\$16,381.75	\$78.00	\$14,430.00
7. BROADCAST SEEDING, FERTILIZING, AND WATERING OF THE POND MAINTENANCE BERMS (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	6	\$600.00	\$3,486.00	\$600.00	\$3,486.00	\$600.00	\$3,486.00
8. HYDROMULCH SEEDING, FINE GRADING, AND WATERING OF THE POND SIDE SLOPES (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	14	\$1,200.00	\$16,800.00	\$1,296.00	\$18,144.00	\$1,600.00	\$22,400.00
9. ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	1	\$2,222.22	\$2,222.22	\$2,160.00	\$2,160.00	\$900.00	\$900.00
10. METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR FOR POND C4, CONTRACTOR TO USE LJA SURVEYING, INC. FOR CONSTRUCTION STAKING, 713-953-5200, COMPLETE IN PLACE	LS	1	\$6,880.00	\$6,880.00	\$6,880.00	\$6,880.00	\$6,880.00	\$6,880.00
11. EXTRA SURVEY TRIP FOR POND C4 RESTAKING PREVIOUSLY PROVIDED CONSTRUCTION STAKES THAT WERE DESTROYED BY OTHERS (THIS ITEM DOES NOT INCLUDE RESTAKING DUE TO CONTRACTOR DESTROYING CONSTRUCTION STAKING OR FAILING TO PROTECT CONSTRUCTION STAKING FROM KNOWN HAZARDS SUCH AS CATTLE CONTRACTOR HAS NOT FENCED OFF, ORDERING STAKING TOO FAR IN ADVANCE, OR CONTRACTORS OWN EQUIPMENT, ETC.)	DAY	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
12. REGRADING AND RESTORATION OF EXISTING BACKSLOPE SWALE WITH 3:1 MAX SIDE SLOPE, INCLUDES EXCAVATION, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATION OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	50	\$3.33	\$166.50 *	\$3.24	\$162.00	\$12.00	\$600.00
13. DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF GROUNDWATER CONTROL AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE. THIS ITEM DOES NOT, NOR DOES ANY OTHER BID ITEM IN THE BID PROPOSAL, ATTEMPT TO INCLUDE PUMPING OUT THE WET BOTTOM OF DETENTION DURING CONSTRUCTION OF THE WET BOTTOM AFTER RAIN EVENTS. PUMPING OUT OF THE WET BOTTOM DURING WET BOTTOM CONSTRUCTION AND CLAY LINER CONSTRUCTION (IF NECESSARY), DUE TO RAINFALL AND INFLOW SHOULD BE CONSIDERED INCIDENTAL TO THE EXCAVATION, COMPLETE IN PLACE	LF	3,000	\$20.00	\$60,000.00	\$20.00	\$60,000.00	\$20.00	\$60,000.00
14. AS-BUILT SURVEY OF POND C4, BY LJA SURVEYING, INC., COMPLETE IN PLACE	LS	1	\$3,600.00	\$3,600.00	\$3,600.00	\$3,600.00	\$3,600.00	\$3,600.00
SUBTOTAL DRAINAGE AND DETENTION POND ITEMS FOR POND C4				\$805,391.91 *		\$927,918.25		\$1,021,403.50
MISCELLANEOUS ITEMS FOR POND C4								
1. SEEDING OF FILL AREAS, INCLUDING FERTILIZING AND WATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	57.33	\$600.00	\$34,398.00	\$600.00	\$34,398.00	\$600.00	\$34,398.00
2. HIGH PERFORMANCE TURF REINFORCEMENT MAT (PYROMAT 972-439-2355 OR APPROVED EQUAL), COMPLETE IN PLACE	SY	2,080	\$18.00	\$37,440.00 *	\$7.48	\$15,558.40	\$17.00	\$35,360.00
3. EXTRA CEMENT STABILIZED SAND BACKFILL, (1 - 1/2 SACK PER CUBIC YARD) AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
4. INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE AS SHOWN ON SHEET 8, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$1.00	\$100.00	\$2.00	\$200.00
5. INSTALL AND MAINTAIN FILTER FABRIC FENCE AS SHOWN ON SHEET 6, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	8,070	\$1.00	\$8,070.00	\$1.00	\$8,070.00	\$1.00	\$8,070.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
7.	CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING DEBRIS (INCLUDING TRASH, TIRES, MATTRESSES, ETC.) PER STANDARD 40 YARD DUMPSTER LOAD, INCLUDES LOADING, HAULING OFF, ENVIRONMENTAL COMPLIANCE AND DISPOSAL, TO BE USED AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LOAD	4	\$1,666.67	\$6,666.68 *	\$918.00	\$3,672.00	\$1,300.00	\$5,200.00
8.	TEMPORARY BARBED WIRE FENCING TO BE USED DURING CONSTRUCTION FOR CATTLE CONTROL, TO INCLUDE INSTALLATION, MAINTENANCE, GATES AS NEEDED AND REMOVAL ONCE CONSTRUCTION IS COMPLETE, TO BE USED AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	1,000	\$3.50	\$3,500.00	\$3.50	\$3,500.00	\$5.00	\$5,000.00
9.	50" TALL BY 8' WIDE STEEL SWING GATE, "COUNTY LINE" BRAND OR APPROVED EQUAL, TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	EA	2	\$555.56	\$1,111.12 *	\$1,380.00	\$2,760.00	\$500.00	\$1,000.00
10.	5-STRAND BARBED-WIRE FENCE ALONG WEST AND SOUTHERN BOUNDARY (IF NEEDED), INCLUDING CEDAR BRACE POSTS EVERY 5TH POST, WITH LINE POSTS SPACED AT 16.5' MINIMUM, H BRACES AND CORNER BRACING PER DETAILS AND SPECIFICATIONS, COMPLETE IN PLACE	LF	3,615	\$5.38	\$19,448.70 *	\$4.32	\$15,616.80	\$7.00	\$25,305.00
11.	FURNISH AND INSTALL 20' CATTLE GUARD WITH BAR GATES (PHILLIPS SERVICES, HALLETTSVILLE, TX OR APPROVED EQUAL), INCLUDES SIX (6) ~ 6" I-BEAMS 8' LONG #16'S, WITH 2 7/8" HEAVY WALL PIPE RAILS, AND TWO (2) ~ 20' LONG CONCRETE L-BEAMS (CLASS CONCRETE, EAGLE LAKE, TX OR APPROVED EQUAL), 15"x12", INSTALLED AT EACH CONSTRUCTION ENTRANCE, COMPLETE IN PLACE	EA	2	\$10,869.57	\$21,739.14 *	\$7,475.00	\$14,950.00	\$9,300.00	\$18,600.00
12.	CONNECT PROPOSED 8" BLACK BASE ASPHALT DRIVEWAY TO EXISTING TWINWOOD PARKWAY SEGMENT F ASPHALT, INCLUDES 2' SAWCUT, AND RESTORATION OF TWINWOOD PARKWAY SEGMENT F TO PREVIOUS CONDITIONS OR BETTER, COMPLETE IN PLACE	LF	182	\$105.56	\$19,211.92 *	\$158.70	\$28,883.40	\$24.00	\$4,368.00
13.	REGRADING AND RESTORATION OF EXISTING ROADSIDE DITCHES ALONG TWINWOOD PARKWAY SEGMENT F DUE TO TEMPORARY DRIVEWAY CONNECTION, COMPLETE IN PLACE	LF	100	\$3.33	\$333.00 *	\$11.50	\$1,150.00	\$12.00	\$1,200.00
14.	CONSTRUCTION OF TEMPORARY ACCESS DRIVEWAY AS PER DETAIL ON SHEET 7, INCLUDES INSTALLATION OF 8" THICK BLACK BASE, AND CRUSHED CONCRETE, COMPLETE IN PLACE	EA	2	\$10,555.56	\$21,111.12 *	\$2,875.00	\$5,750.00	\$10,750.00	\$21,500.00
15.	TEMPORARY TRAFFIC CONTROL ITEMS FOR CONNECTION OF PROPOSED ASPHALT ROADWAY TO WOODS ROAD (FLAGGERS, CONES, ETC.) INCLUDING TRUCK CROSSING (W8-6) AND FLAGGER AHEAD (W20-7A) SIGNS EACH WAY AT TWINWOOD PARKWAY, PER THE PLANS, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
16.	DEMUCK, SCARIFY, AND PROOF ROLL EXISTING SWALE, VARYING BOTTOM WIDTH, 3:1 SIDE SLOPES, COMPLETE IN PLACE	LF	16,850	\$3.26	\$54,931.00 *	\$3.78	\$63,693.00	\$3.00	\$50,550.00
17.	REPAIR AND RESTORE EXISTING TWINWOOD PARKWAY SEGMENT F ASPHALT ROADWAY TO PREVIOUS OR BETTER CONDITIONS, INCLUDES HOT MIX ASPHALT, 8" BASE, 6" SUB-GRADE, AND 3' WIDE TAPER WITH CRUSHED LIMESTONE, COMPLETE IN PLACE	SY	600	\$105.00	\$63,000.00 *	\$57.50	\$34,500.00	\$30.00	\$18,000.00
18.	30" X 30" "LIVESTOCK KEEP GATE CLOSED" SIGN, HIGH INTENSITY REFLECTIVE ALUMINUM, (SMARTSIGN, BROOKLYN, NY PART NO. K-3417-GN OR APPROVED EQUAL), MOUNTED TO CATTLE GATE, COMPLETE IN PLACE	EA	3	\$555.56	\$1,666.68 *	\$373.75	\$1,121.25	\$500.00	\$1,500.00
19.	12" PVC, C-900 DR 25 PVC LAKE FILL LINE, INCLUDING BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,253	\$40.00	\$50,120.00	\$28.75	\$36,023.75	\$40.00	\$50,120.00

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 DETENTION FACILITIES AND AMENITY LAKE TO SERVE
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213
 WALLER COUNTY, TEXAS
 FEBRUARY 6, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
 FEBRUARY 7, 2020
 7777-1056 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) TEXAS DEWATERING, LLC		2) ALLGOOD CONSTRUCTION CO., INC		3) SONORA SWQM CO. dba SONORA	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
20.	12" ECCENTRIC PLUG VALVE, INCLUDING VALVE STEM, A-BOX, 2' X 2' CONCRETE PAD, COMPLETE IN PLACE	EA	2	\$4,076.09	\$8,152.18 *	\$2,875.00	\$5,750.00	\$5,000.00	\$10,000.00
21.	6:1 12" PRECAST SET WITH GALVANIZED STEEL GRATE AND HINGE, PER DETAIL, COMPLETE IN PLACE	EA	2	\$5,000.00	\$10,000.00	\$1,150.00	\$2,300.00	\$430.00	\$860.00
22.	CLEARING AND GRUBBING OF POND C4 AND POND C4 F777ILL AREA, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$12,500.00	\$12,500.00
23.	REMOVE EXISTING LIVESTOCK PEN (TIMBER & SHEET METAL), COMPLETE IN PLACE	EA	1	\$10,869.57	\$10,869.57	\$8,100.00	\$8,100.00	\$6,000.00	\$6,000.00
24.	DEMUCK EXISTING LOW AREA, SCARIFY SPOILS, DRY OUT, SPREAD & COMPACT, COMPLETE IN PLACE	CY	450	\$2.48	\$1,116.00 *	\$5.13	\$2,308.50	\$6.00	\$2,700.00
SUBTOTAL MISCELLANEOUS ITEMS FOR POND C4					\$379,485.11 *	\$294,705.10	\$317,431.00 *		
ALTERNATE BID 'A' ITEMS									
1.	5" CONCRETE LAKE HARD EDGE WITH 2' TOE, AS PER HARD EDGE DETAIL ON SHEET 4, INCLUDES TRENCHING, SEALED JOINTS, KEYED JOINTS, WATER STOPS AT CONSTRUCTION JOINTS, REBAR, AND ALL OTHER APPURTENANCES, COMPLETE IN PLACE	LF	6,150	\$115.87	\$712,600.50 *	\$130.33	\$801,529.50	\$84.00	\$516,600.00
2.	4" SCHEDULE 40 PVC CONDUIT, TO INCLUDE BEND, RISER, AND 4" X 4" PAINTED MARKER, MEASURED IN PLAN VIEW, COMPLETE IN PLACE	LF	210	\$44.13	\$9,267.30 *	\$18.98	\$3,985.80	\$36.00	\$7,560.00
SUBTOTAL ALTERNATE BID 'A' ITEMS					\$721,867.80 *	\$805,515.30	\$524,160.00		
ALTERNATE BID 'B' ITEMS									
1.	EXCAVATION OF AMENITY PORTION, HAULING AND DISPOSAL, TO BECOME PROPERTY OF THE CONTRACTOR, INCLUDING STRIPPING, TO BE USED IN LIEU OF DRAINAGE AND DETENTION POND E ITEM NO. 1	CY	72,505	\$20.00	\$1,450,100.00	\$17.50	\$1,268,837.50	\$17.00	\$1,232,585.00
2.	EXCAVATION OF DETENTION PORTION, HAULING AND DISPOSAL, TO BECOME PROPERTY OF THE CONTRACTOR, INCLUDING STRIPPING, TO BE USED IN LIEU OF DRAINAGE AND DETENTION POND E ITEM NO. 1	CY	116,275	\$20.00	\$2,325,500.00	\$17.50	\$2,034,812.50	\$17.00	\$1,976,675.00
3.	EXCAVATION OF AMENITY PORTION, HAULING AND DISPOSAL, TO BECOME PROPERTY OF THE CONTRACTOR, INCLUDING STRIPPING, TO BE USED IN LIEU OF DRAINAGE AND DETENTION POND C4 ITEM NO. 1	CY	91,270	\$20.00	\$1,825,400.00	\$17.50	\$1,597,225.00	\$17.00	\$1,551,590.00
4.	EXCAVATION OF DETENTION PORTION, HAULING AND DISPOSAL, TO BECOME PROPERTY OF THE CONTRACTOR, INCLUDING STRIPPING, TO BE USED IN LIEU OF DRAINAGE AND DETENTION POND C4 ITEM NO. 2	CY	139,730	\$20.00	\$2,794,600.00	\$17.50	\$2,445,275.00	\$17.00	\$2,375,410.00
SUBTOTAL ALTERNATE BID 'B' ITEMS					\$8,395,600.00	\$7,346,150.00	\$7,136,260.00		
BID SUMMARY									
SUBTOTAL DRAINAGE AND DETENTION POND ITEMS FOR POND E					\$771,350.49 *	\$832,225.00	\$910,333.00		
SUBTOTAL MISCELLANEOUS ITEMS FOR POND E					\$205,778.40 *	\$215,646.25	\$223,575.00		
SUBTOTAL DRAINAGE AND DETENTION POND ITEMS FOR POND C4					\$805,391.91 *	\$927,918.25	\$1,021,403.50		
SUBTOTAL MISCELLANEOUS ITEMS FOR POND C4					\$379,485.11 *	\$294,705.10	\$317,431.00		
TOTAL AMOUNT BASE BID					\$2,162,005.91 *	\$2,270,494.60	\$2,472,742.50		

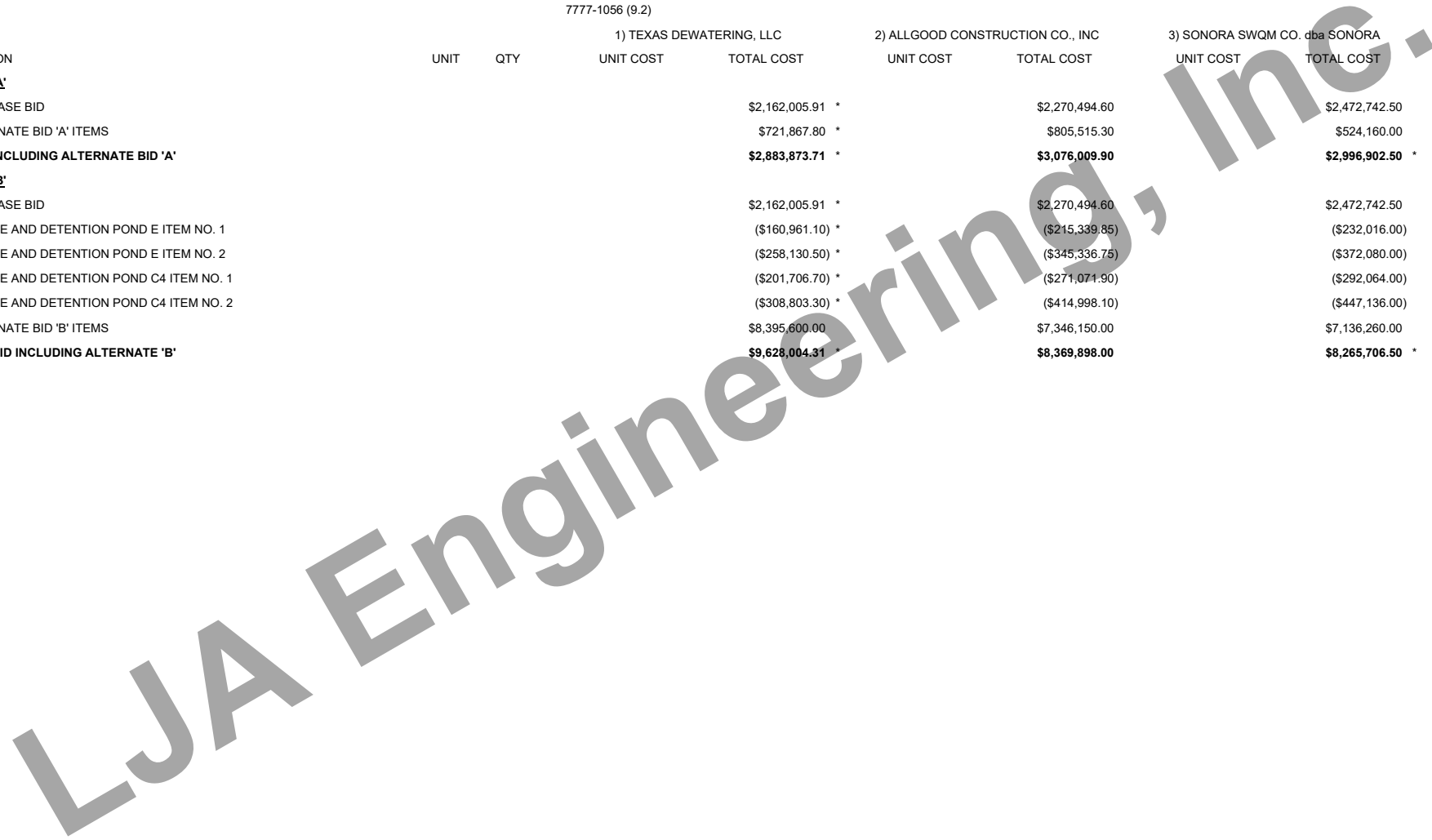
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 WALLER COUNTY, TEXAS
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 LJA ENGINEERING, INC.
 C. DURHAM
 FEBRUARY 7, 2020
 7777-1056 (9.2)

ITEM DESCRIPTION	UNIT	QTY	1) TEXAS DEWATERING, LLC		2) ALLGOOD CONSTRUCTION CO., INC		3) SONORA SWQM CO. dba SONORA		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<u>ALTERNATE BID 'A'</u>									
TOTAL AMOUNT BASE BID				\$2,162,005.91 *		\$2,270,494.60		\$2,472,742.50	
SUBTOTAL ALTERNATE BID 'A' ITEMS				\$721,867.80 *		\$805,515.30		\$524,160.00	
TOTAL AMOUNT INCLUDING ALTERNATE BID 'A'				\$2,883,873.71 *		\$3,076,009.90		\$2,996,902.50 *	
<u>ALTERNATE BID 'B'</u>									
TOTAL AMOUNT BASE BID				\$2,162,005.91 *		\$2,270,494.60		\$2,472,742.50	
DEDUCT DRAINAGE AND DETENTION POND E ITEM NO. 1				(\$160,961.10) *		(\$215,339.85)		(\$232,016.00)	
DEDUCT DRAINAGE AND DETENTION POND E ITEM NO. 2				(\$258,130.50) *		(\$345,336.75)		(\$372,080.00)	
DEDUCT DRAINAGE AND DETENTION POND C4 ITEM NO. 1				(\$201,706.70) *		(\$271,071.90)		(\$292,064.00)	
DEDUCT DRAINAGE AND DETENTION POND C4 ITEM NO. 2				(\$308,803.30) *		(\$414,998.10)		(\$447,136.00)	
SUBTOTAL ALTERNATE BID 'B' ITEMS				\$8,395,600.00		\$7,346,150.00		\$7,136,260.00	
TOTAL AMOUNT BID INCLUDING ALTERNATE 'B'				\$9,628,004.31 *		\$8,369,898.00		\$8,265,706.50 *	



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ITEM	DESCRIPTION	UNIT	QTY	4) HARRIS CONSTRUCTION COMPANY, LTD		5) HURTADO CONSTRUCTION COMPANY		6) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
DRAINAGE AND DETENTION POND ITEMS FOR POND E									
1.	EXCAVATION OF AMENITY PORTION, HAULING, STRIPPING, PLACEMENT AND COMPACTION OF LAKE, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	72,505	\$3.25	\$235,641.25	\$4.48	\$324,822.40	\$7.00	\$507,535.00
2.	EXCAVATION OF DETENTION PORTION, HAULING, STRIPPING, PLACEMENT AND COMPACTION OF LAKE, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	116,275	\$3.15	\$366,266.25	\$4.48	\$520,912.00	\$6.00	\$697,650.00
3.	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION OF LAKE BOTTOM, (AS DIRECTED BY THE ENGINEER), INCLUDES EXCAVATION 2' OVER DEPTH, SEPARATING AND STOCKPILING SUITABLE CLAY MATERIAL LL > 40%, PL > 20%), PLACEMENT, AND COMPACTION, COMPLETE IN PLACE	CY	27,420	\$3.00	\$82,260.00	\$1.88	\$51,549.60	\$6.00	\$164,520.00
4.	36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	300	\$165.00	\$49,500.00	\$80.78	\$24,234.00	\$163.00	\$48,900.00
5.	TRENCH SAFETY SYSTEM, ALL DEPTHS, ALL SIZES, COMPLETE IN PLACE	LF	360	\$5.00	\$1,800.00	\$1.00	\$360.00	\$1.00	\$360.00
6.	UTILITY SPOIL TO BE HAULED, SPREAD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	CY	340	\$4.00	\$1,360.00	\$1.88	\$639.20	\$3.00	\$1,020.00
7.	BACKSLOPE INTERCEPTOR AND OUTFALL STRUCTURE, TO INCLUDE 24" POLYMER COATED CMP, UTILITY SPOILS, OUTFALL SLOPE PAVING PROTECTION AND TRENCH SAFETY, (ALL SIZES AND LENGTHS), COMPLETE IN PLACE	EA	5	\$10,375.00	\$51,875.00	\$9,688.00	\$48,440.00	\$10,892.00	\$54,460.00
8.	BACKSLOPE SWALE WITH 3:1 MAX SIDE SLOPE, INCLUDES EXCAVATION, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATIONS OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	3,430	\$2.50	\$8,575.00	\$2.38	\$8,163.40	\$3.00	\$10,290.00
9.	BROADCAST SEEDING, FERTILIZING, AND WATERING OF THE POND MAINTENANCE BERMS (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	5.5	\$850.00	\$4,675.00	\$600.00	\$3,300.00	\$950.00	\$5,225.00
10.	HYDOMULCH SEEDING, FINE GRADING, AND WATERING OF THE POND SIDE SLOPES (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	11.7	\$2,400.00	\$28,080.00	\$1,200.00	\$14,040.00	\$1,800.00	\$21,060.00
11.	METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR FOR POND E, CONTRACTOR TO USE LJA SURVEYING, INC. FOR CONSTRUCTION STAKING, 713-953-5200, COMPLETE IN PLACE	LS	1	\$6,880.00	\$6,880.00	\$6,880.00	\$6,880.00	\$6,880.00	\$6,880.00
12.	EXTRA SURVEY TRIP FOR RESTAKING OF POND E PREVIOUSLY PROVIDED CONSTRUCTION STAKES THAT WERE DESTROYED BY OTHERS (THIS ITEM DOES NOT INCLUDE RESTAKING DUE TO CONTRACTOR DESTROYING CONSTRUCTION STAKING OR FAILING TO PROTECT CONSTRUCTION STAKING FROM KNOWN HAZARDS SUCH AS CATTLE CONTRACTOR HAS NOT FENCED OFF, ORDERING STAKING TOO FAR IN ADVANCE, OR CONTRACTORS OWN EQUIPMENT, ETC.)	DAY	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
13.	12" HDPE STORM SEWER, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE, COMPLETE IN PLACE	LF	120	\$60.00	\$7,200.00	\$43.08	\$5,169.60	\$44.00	\$5,280.00
14.	5" REINFORCED CONCRETE SLOPE PAVING, TO INCLUDE 24" TOE AROUND PERIMETER OF SLOPE PAVING, TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE, COMPLETE IN PLACE	SY	28	\$155.00	\$4,340.00	\$78.00	\$2,184.00	\$450.00	\$12,600.00 *
15.	50" TALL BY 12' WIDE STEEL SWING GATE, "COUNTY LINE" BRAND OR APPROVED EQUAL, TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	EA	2	\$1,200.00	\$2,400.00	\$3,000.00	\$6,000.00	\$705.00	\$1,410.00

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ITEM	DESCRIPTION	UNIT	QTY	4) HARRIS CONSTRUCTION COMPANY, LTD		5) HURTADO CONSTRUCTION COMPANY		6) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
16.	REMOVAL AND REPLACEMENT OF EXISTING BARBED WIRE FENCE, TO PREVIOUS OR BETTER CONDITION, TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$3.80	\$380.00	\$8.00	\$800.00
17.	REPAIR AND RESTORE EXISTING 8" CRUSHED LIMESTONE ACCESS ROAD, (GEOGRID, 6" SUBGRADE, 8" CRUSHED STONE), COMPLETE IN PLACE	SY	45	\$120.00	\$5,400.00	\$78.00	\$3,510.00	\$26.00	\$1,170.00
18.	REMOVAL AND REPLACEMENT OF 16" PVC WATER PIPE, C-905, DR 14, RESTRAINED JOINT WATER LINE, ALL DEPTHS, INCLUDING ALL FITTINGS, ADAPTERS, BEDDING AND BACKFILL, WET CONNECTIONS, AND ALL APPURTENANCES NECESSARY, DISINFECTION OF THE LINE SHALL BE PERFORMED AS PART OF THE INSTALLATION PROCESS, COMPLETE IN PLACE	LF	30	\$350.00	\$10,500.00	\$168.00	\$5,040.00	\$183.00	\$5,490.00
19.	REMOVAL AND REPLACEMENT OF PRIVATE GAS LINE ALL DEPTHS, INCLUDING ALL FITTINGS, ADAPTERS, BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	30	\$300.00	\$9,000.00	\$334.00	\$10,020.00	\$122.00	\$3,660.00
20.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF GROUNDWATER CONTROL AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE. THIS ITEM DOES NOT, NOR DOES ANY OTHER BID ITEM IN THE BID PROPOSAL, ATTEMPT TO INCLUDE PUMPING OUT THE WET BOTTOM OF DETENTION DURING CONSTRUCTION OF THE WET BOTTOM AFTER RAIN EVENTS. PUMPING OUT OF THE WET BOTTOM DURING WET BOTTOM CONSTRUCTION AND CLAY LINER CONSTRUCTION (IF NECESSARY), DUE TO RAINFALL AND INFLOW SHOULD BE CONSIDERED INCIDENTAL TO THE EXCAVATION, COMPLETE IN PLACE	LF	2,815	\$25.00	\$70,375.00	\$20.00	\$56,300.00	\$25.00	\$70,375.00
21.	AS BUILT SURVEY OF POND E, COMPLETE IN PLACE	LS	1	\$3,600.00	\$3,600.00	\$3,600.00	\$3,600.00	\$3,600.00	\$3,600.00
SUBTOTAL DRAINAGE AND DETENTION POND ITEMS FOR POND E					\$953,727.50		\$1,097,544.20		\$1,624,285.00 *
MISCELLANEOUS ITEMS FOR POND E									
1.	SEEDING OF FILL AREAS, INCLUDING FERTILIZING AND WATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	160	\$850.00	\$136,000.00	\$600.00	\$96,000.00	\$950.00	\$152,000.00
2.	EXTRA CEMENT STABILIZED SAND BACKFILL, (1 - 1/2 SACK PER CUBIC YARD) AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	100	\$60.00	\$6,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
3.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE AS SHOWN ON SHEET 8, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.50	\$150.00	\$1.00	\$100.00	\$2.00	\$200.00
4.	INSTALL AND MAINTAIN FILTER FABRIC FENCE AS SHOWN ON SHEET 8, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.10	\$110.00	\$1.00	\$100.00	\$1.00	\$100.00
5.	STABILIZED CONSTRUCTION EXIT AT LOCATION SHOWN ON PLANS, TO INCLUDE INSTALLATION, MAINTENANCE, CULVERT, AND REMOVAL, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00
6.	CONCRETE TRUCK WASHOUT PIT, TO INCLUDE INSTALLATION, MAINTENANCE, AND REMOVAL, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$625.00	\$625.00
7.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00

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ITEM	DESCRIPTION	UNIT	QTY	4) HARRIS CONSTRUCTION COMPANY, LTD		5) HURTADO CONSTRUCTION COMPANY		6) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8.	CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING DEBRIS (INCLUDING TRASH, TIRES, MATTRESSES, ETC.) PER STANDARD 40 YARD DUMPSTER LOAD, INCLUDES LOADING, HAULING OFF, ENVIRONMENTAL COMPLIANCE AND DISPOSAL, TO BE USED AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LOAD	4	\$955.00	\$3,820.00	\$300.00	\$1,200.00	\$813.00	\$3,252.00
9.	TEMPORARY BARBED WIRE FENCING TO BE USED DURING CONSTRUCTION FOR CATTLE CONTROL, TO INCLUDE INSTALLATION, MAINTENANCE, GATES AS NEEDED AND REMOVAL ONCE CONSTRUCTION IS COMPLETE, TO BE USED AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	1,000	\$4.00	\$4,000.00	\$3.50	\$3,500.00	\$4.00	\$4,000.00
10.	REMOVAL AND DISPOSAL OF EXISTING BARBED WIRE FENCE, TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	660	\$3.50	\$2,310.00	\$0.50	\$330.00	\$3.50	\$2,310.00
11.	5-STRAND BARBED-WIRE FENCE (IF NEEDED), INCLUDING CEDAR BRACE POSTS EVERY 5TH POST, WITH LINE POSTS SPACED AT 16.5' MINIMUM, H BRACES AND CORNER BRACING PER DETAILS AND SPECIFICATIONS, COMPLETE IN PLACE	LF	3,470	\$6.00	\$20,820.00	\$3.50	\$12,145.00	\$6.00	\$20,820.00
12.	REGRADING AND RESTORATION OF EXISTING DITCHES, COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$3.08	\$308.00	\$3.00	\$300.00
13.	CONSTRUCTION OF TEMPORARY ACCESS DRIVEWAY AS PER DETAIL ON SHEET 7, INCLUDES INSTALLATION OF 8" THICK BLACK BASE, AND CRUSHED CONCRETE, COMPLETE IN PLACE	SY	450	\$149.25	\$67,162.50	\$78.00	\$35,100.00	\$95.00	\$42,750.00
14.	DEMUCK, SCARIFY, AND PROOF ROLL EXISTING SWALE, VARYING BOTTOM WIDTH, 3:1 SIDE SLOPES, COMPLETE IN PLACE	LF	15,695	\$2.50	\$39,237.50	\$1.78	\$27,937.10	\$6.00	\$94,170.00
15.	30" X 30" "LIVESTOCK KEEP GATE CLOSED" SIGN, HIGH INTENSITY REFLECTIVE ALUMINUM, (SMARTSIGN, BROOKLYN, NY PART NO. K-3417-GN OR APPROVED EQUAL), MOUNTED TO CATTLE GATE, COMPLETE IN PLACE	EA	2	\$750.00	\$1,500.00	\$2,288.00	\$4,576.00	\$63.00	\$126.00
16.	CLEARING AND GRUBBING OF POND E AND POND E FILL AREA, COMPLETE IN PLACE	LS	1	\$31,500.00	\$31,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
SUBTOTAL MISCELLANEOUS ITEMS FOR POND E					\$319,110.00		\$187,796.10		\$328,153.00
DRAINAGE AND DETENTION POND ITEMS FOR POND C4									
1.	EXCAVATION OF AMENITY PORTION, HAULING, STRIPPING, PLACEMENT AND COMPACTION OF LAKE, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	91,270	\$3.25	\$296,627.50	\$4.68	\$427,143.60	\$4.00	\$365,080.00
2.	EXCAVATION OF DETENTION PORTION, HAULING, STRIPPING, PLACEMENT AND COMPACTION OF LAKE, AS INDICATED ON PLANS, COMPLETE IN PLACE	CY	139,730	\$3.15	\$440,149.50	\$4.68	\$653,936.40	\$5.00	\$698,650.00
3.	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION OF LAKE BOTTOM, (AS DIRECTED BY THE ENGINEER), INCLUDES EXCAVATION 2' OVER DEPTH, SEPARATING AND STOCKPILING SUITABLE CLAY MATERIAL LL > 40%, PL > 20%), PLACEMENT, AND COMPACTION, COMPLETE IN PLACE	CY	33,170	\$3.00	\$99,510.00	\$1.88	\$62,359.60	\$6.00	\$199,020.00
4.	BACKSLOPE INTERCEPTOR AND OUTFALL STRUCTURE, TO INCLUDE 24" POLYMER COATED CMP, UTILITY SPOILS, OUTFALL SLOPE PAVING PROTECTION AND TRENCH SAFETY, (ALL SIZES AND LENGTHS), COMPLETE IN PLACE	EA	6	\$10,375.00	\$62,250.00	\$9,688.00	\$58,128.00	\$10,892.00	\$65,352.00
5.	BACKSLOPE SWALE WITH 3:1 MAX SIDE SLOPE, INCLUDES EXCAVATION, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATIONS OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	3,235	\$2.50	\$8,087.50	\$2.38	\$7,699.30	\$3.00	\$9,705.00

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CONSTRUCTION OF THE TWINWOOD BUSINESS PARK PHASE 3
 DETENTION FACILITIES AND AMENITY LAKE TO SERVE
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213
 WALLER COUNTY, TEXAS
 FEBRUARY 6, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
 FEBRUARY 7, 2020
 7777-1056 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) HARRIS CONSTRUCTION COMPANY, LTD		5) HURTADO CONSTRUCTION COMPANY		6) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.	4' WIDE "V" SHAPED REINFORCED CONCRETE LINED PILOT CHANNEL, (SEE DETAIL ON SHEET 8), COMPLETE IN PLACE	LF	185	\$77.05	\$14,254.25	\$31.88	\$5,897.80	\$5.00	\$925.00
7.	BROADCAST SEEDING, FERTILIZING, AND WATERING OF THE POND MAINTENANCE BERMS (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	6	\$850.00	\$4,938.50	\$600.00	\$3,486.00	\$950.00	\$5,519.50
8.	HYDROMULCH SEEDING, FINE GRADING, AND WATERING OF THE POND SIDE SLOPES (TO BE USED AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	14	\$2,400.00	\$33,600.00	\$1,200.00	\$16,800.00	\$1,800.00	\$25,200.00
9.	ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	1	\$2,500.00	\$2,500.00	\$100.00	\$100.00	\$2,250.00	\$2,250.00
10.	METHOD "A" CONSTRUCTION STAKING BY THE CONTRACTOR FOR POND C4, CONTRACTOR TO USE LJA SURVEYING, INC. FOR CONSTRUCTION STAKING, 713-953-5200, COMPLETE IN PLACE	LS	1	\$6,880.00	\$6,880.00	\$6,888.00	\$6,888.00	\$6,880.00	\$6,880.00
11.	EXTRA SURVEY TRIP FOR POND C4 RESTAKING PREVIOUSLY PROVIDED CONSTRUCTION STAKES THAT WERE DESTROYED BY OTHERS (THIS ITEM DOES NOT INCLUDE RESTAKING DUE TO CONTRACTOR DESTROYING CONSTRUCTION STAKING OR FAILING TO PROTECT CONSTRUCTION STAKING FROM KNOWN HAZARDS SUCH AS CATTLE CONTRACTOR HAS NOT FENCED OFF, ORDERING STAKING TOO FAR IN ADVANCE, OR CONTRACTORS OWN EQUIPMENT, ETC.)	DAY	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
12.	REGRADING AND RESTORATION OF EXISTING BACKSLOPE SWALE WITH 3:1 MAX SIDE SLOPE, INCLUDES EXCAVATION, EMBANKMENT, STRIPPING, STOCKPILE OF STRIPPINGS, RE-APPLICATION OF STRIPPINGS AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	LF	50	\$10.00	\$500.00	\$2.38	\$119.00	\$3.50	\$175.00
13.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF GROUNDWATER CONTROL AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE. THIS ITEM DOES NOT, NOR DOES ANY OTHER BID ITEM IN THE BID PROPOSAL, ATTEMPT TO INCLUDE PUMPING OUT THE WET BOTTOM OF DETENTION DURING CONSTRUCTION OF THE WET BOTTOM AFTER RAIN EVENTS. PUMPING OUT OF THE WET BOTTOM DURING WET BOTTOM CONSTRUCTION AND CLAY LINER CONSTRUCTION (IF NECESSARY), DUE TO RAINFALL AND INFLOW SHOULD BE CONSIDERED INCIDENTAL TO THE EXCAVATION, COMPLETE IN PLACE	LF	3,000	\$25.00	\$75,000.00	\$20.00	\$60,000.00	\$25.00	\$75,000.00
14.	AS-BUILT SURVEY OF POND C4, BY LJA SURVEYING, INC., COMPLETE IN PLACE	LS	1	\$3,600.00	\$3,600.00	\$3,600.00	\$3,600.00	\$3,600.00	\$3,600.00
SUBTOTAL DRAINAGE AND DETENTION POND ITEMS FOR POND C4					\$1,049,897.25		\$1,308,157.70 *		\$1,459,356.50
MISCELLANEOUS ITEMS FOR POND C4									
1.	SEEDING OF FILL AREAS, INCLUDING FERTILIZING AND WATERING, (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	57.33	\$850.00	\$48,730.50	\$600.00	\$34,398.00	\$950.00	\$54,463.50
2.	HIGH PERFORMANCE TURF REINFORCEMENT MAT (PYROMAT 972-439-2355 OR APPROVED EQUAL), COMPLETE IN PLACE	SY	2,080	\$32.00	\$66,560.00	\$8.88	\$18,470.40	\$25.00	\$52,000.00
3.	EXTRA CEMENT STABILIZED SAND BACKFILL, (1 - 1/2 SACK PER CUBIC YARD) AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	CY	100	\$60.00	\$6,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
4.	INSTALL AND MAINTAIN REINFORCED FILTER FABRIC FENCE AS SHOWN ON SHEET 8, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.50	\$150.00	\$1.00	\$100.00	\$2.00	\$200.00
5.	INSTALL AND MAINTAIN FILTER FABRIC FENCE AS SHOWN ON SHEET 6, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	8,070	\$1.10	\$8,877.00	\$1.00	\$8,070.00	\$1.00	\$8,070.00

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 DETENTION FACILITIES AND AMENITY LAKE TO SERVE
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213
 WALLER COUNTY, TEXAS
 FEBRUARY 6, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
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 7777-1056 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) HARRIS CONSTRUCTION COMPANY, LTD		5) HURTADO CONSTRUCTION COMPANY		6) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6.	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
7.	CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING DEBRIS (INCLUDING TRASH, TIRES, MATTRESSES, ETC.) PER STANDARD 40 YARD DUMPSTER LOAD, INCLUDES LOADING, HAULING OFF, ENVIRONMENTAL COMPLIANCE AND DISPOSAL, TO BE USED AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LOAD	4	\$955.00	\$3,820.00	\$300.00	\$1,200.00	\$850.00	\$3,400.00
8.	TEMPORARY BARBED WIRE FENCING TO BE USED DURING CONSTRUCTION FOR CATTLE CONTROL, TO INCLUDE INSTALLATION, MAINTENANCE, GATES AS NEEDED AND REMOVAL ONCE CONSTRUCTION IS COMPLETE, TO BE USED AT THE DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	LF	1,000	\$3.50	\$3,500.00	\$3.50	\$3,500.00	\$3.50	\$3,500.00
9.	50" TALL BY 8' WIDE STEEL SWING GATE, "COUNTY LINE" BRAND OR APPROVED EQUAL, TO BE USED AT THE WRITTEN DIRECTION OF THE ENGINEER, COMPLETE IN PLACE	EA	2	\$1,200.00	\$2,400.00	\$988.00	\$1,976.00	\$1,190.00	\$2,380.00
10.	5-STRAND BARBED-WIRE FENCE ALONG WEST AND SOUTHERN BOUNDARY (IF NEEDED), INCLUDING CEDAR BRACE POSTS EVERY 5TH POST, WITH LINE POSTS SPACED AT 16.5' MINIMUM, H BRACES AND CORNER BRACING PER DETAILS AND SPECIFICATIONS, COMPLETE IN PLACE	LF	3,615	\$6.00	\$21,690.00	\$3.50	\$12,652.50	\$6.00	\$21,690.00
11.	FURNISH AND INSTALL 20' CATTLE GUARD WITH BAR GATES (PHILLIPS SERVICES, HALLETTSVILLE, TX OR APPROVED EQUAL), INCLUDES SIX (6) ~ 6" I-BEAMS 8' LONG #16'S, WITH 2 7/8" HEAVY WALL PIPE RAILS, AND TWO (2) ~ 20' LONG CONCRETE L-BEAMS (CLASS CONCRETE, EAGLE LAKE, TX OR APPROVED EQUAL), 15"x12", INSTALLED AT EACH CONSTRUCTION ENTRANCE, COMPLETE IN PLACE	EA	2	\$3,000.00	\$6,000.00	\$1,588.00	\$3,176.00	\$3,750.00	\$7,500.00
12.	CONNECT PROPOSED 8" BLACK BASE ASPHALT DRIVEWAY TO EXISTING TWINWOOD PARKWAY SEGMENT F ASPHALT, INCLUDES 2' SAWCUT, AND RESTORATION OF TWINWOOD PARKWAY SEGMENT F TO PREVIOUS CONDITIONS OR BETTER, COMPLETE IN PLACE	LF	182	\$7.50	\$1,365.00	\$142.00	\$25,844.00	\$7.00	\$1,274.00
13.	REGRADING AND RESTORATION OF EXISTING ROADSIDE DITCHES ALONG TWINWOOD PARKWAY SEGMENT F DUE TO TEMPORARY DRIVEWAY CONNECTION, COMPLETE IN PLACE	LF	100	\$10.00	\$1,000.00	\$3.08	\$308.00	\$3.50	\$350.00
14.	CONSTRUCTION OF TEMPORARY ACCESS DRIVEWAY AS PER DETAIL ON SHEET 7, INCLUDES INSTALLATION OF 8" THICK BLACK BASE, AND CRUSHED CONCRETE, COMPLETE IN PLACE	EA	2	\$33,500.00	\$67,000.00	\$17,600.00	\$35,200.00	\$13,045.00	\$26,090.00
15.	TEMPORARY TRAFFIC CONTROL ITEMS FOR CONNECTION OF PROPOSED ASPHALT ROADWAY TO WOODS ROAD (FLAGGERS, CONES, ETC.) INCLUDING TRUCK CROSSING (W8-6) AND FLAGGER AHEAD (W20-7A) SIGNS EACH WAY AT TWINWOOD PARKWAY, PER THE PLANS, COMPLETE IN PLACE	LS	1	\$7,500.00	\$7,500.00	\$1,500.00	\$1,500.00	\$4,375.00	\$4,375.00
16.	DEMUCK, SCARIFY, AND PROOF ROLL EXISTING SWALE, VARYING BOTTOM WIDTH, 3:1 SIDE SLOPES, COMPLETE IN PLACE	LF	16,850	\$2.50	\$42,125.00	\$1.78	\$29,993.00	\$6.00	\$101,100.00
17.	REPAIR AND RESTORE EXISTING TWINWOOD PARKWAY SEGMENT F ASPHALT ROADWAY TO PREVIOUS OR BETTER CONDITIONS, INCLUDES HOT MIX ASPHALT, 8" BASE, 6" SUB-GRADE, AND 3' WIDE TAPER WITH CRUSHED LIMESTONE, COMPLETE IN PLACE	SY	600	\$108.00	\$64,800.00	\$78.00	\$46,800.00	\$96.00	\$57,600.00
18.	30" X 30" "LIVESTOCK KEEP GATE CLOSED" SIGN, HIGH INTENSITY REFLECTIVE ALUMINUM, (SMARTSIGN, BROOKLYN, NY PART NO. K-3417-GN OR APPROVED EQUAL), MOUNTED TO CATTLE GATE, COMPLETE IN PLACE	EA	3	\$775.00	\$2,325.00	\$2,288.00	\$6,864.00	\$63.00	\$189.00
19.	12" PVC, C-900 DR 25 PVC LAKE FILL LINE, INCLUDING BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	1,253	\$22.00	\$27,566.00	\$28.00	\$35,084.00	\$57.00	\$71,421.00

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 DETENTION FACILITIES AND AMENITY LAKE TO SERVE
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 213
 WALLER COUNTY, TEXAS
 FEBRUARY 6, 2020
 LJA ENGINEERING, INC.
 C. DURHAM
 FEBRUARY 7, 2020
 7777-1056 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) HARRIS CONSTRUCTION COMPANY, LTD		5) HURTADO CONSTRUCTION COMPANY		6) TLC CONSTRUCTION CONTRACT SERVICES	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
20.	12" ECCENTRIC PLUG VALVE, INCLUDING VALVE STEM, A-BOX, 2' X 2' CONCRETE PAD, COMPLETE IN PLACE	EA	2	\$3,500.00	\$7,000.00	\$588.00	\$1,176.00	\$2,273.00	\$4,546.00
21.	6:1 12" PRECAST SET WITH GALVANIZED STEEL GRATE AND HINGE, PER DETAIL, COMPLETE IN PLACE	EA	2	\$1,500.00	\$3,000.00	\$1,588.00	\$3,176.00	\$2,158.00	\$4,316.00
22.	CLEARING AND GRUBBING OF POND C4 AND POND C4 F777ILL AREA, COMPLETE IN PLACE	LS	1	\$21,500.00	\$21,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
23.	REMOVE EXISTING LIVESTOCK PEN (TIMBER & SHEET METAL), COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$8.00	\$8.00	\$850.00	\$850.00
24.	DEMUCK EXISTING LOW AREA, SCARIFY SPOILS, DRY OUT, SPREAD & COMPACT, COMPLETE IN PLACE	CY	450	\$10.00	\$4,500.00	\$450.00	\$202,500.00	\$8.00	\$3,600.00
SUBTOTAL MISCELLANEOUS ITEMS FOR POND C4					\$419,908.50	\$476,995.90		\$433,914.50	
ALTERNATE BID 'A' ITEMS									
1.	5" CONCRETE LAKE HARD EDGE WITH 2' TOE, AS PER HARD EDGE DETAIL ON SHEET 4, INCLUDES TRENCHING, SEALED JOINTS, KEYED JOINTS, WATER STOPS AT CONSTRUCTION JOINTS, REBAR, AND ALL OTHER APPURTENANCES, COMPLETE IN PLACE	LF	6,150	\$66.50	\$408,975.00	\$64.00	\$393,600.00	\$138.00	\$848,700.00
2.	4" SCHEDULE 40 PVC CONDUIT, TO INCLUDE BEND, RISER, AND 4" X 4" PAINTED MARKER, MEASURED IN PLAN VIEW, COMPLETE IN PLACE	LF	210	\$15.00	\$3,150.00	\$68.00	\$14,280.00	\$23.00	\$4,830.00
SUBTOTAL ALTERNATE BID 'A' ITEMS					\$412,125.00	\$407,880.00		\$853,530.00	
ALTERNATE BID 'B' ITEMS									
1.	EXCAVATION OF AMENITY PORTION, HAULING AND DISPOSAL, TO BECOME PROPERTY OF THE CONTRACTOR, INCLUDING STRIPPING, TO BE USED IN LIEU OF DRAINAGE AND DETENTION POND E ITEM NO. 1	CY	72,505	\$12.00	\$870,060.00	\$8.00	\$580,040.00	\$20.00	\$1,450,100.00
2.	EXCAVATION OF DETENTION PORTION, HAULING AND DISPOSAL, TO BECOME PROPERTY OF THE CONTRACTOR, INCLUDING STRIPPING, TO BE USED IN LIEU OF DRAINAGE AND DETENTION POND E ITEM NO. 1	CY	116,275	\$12.00	\$1,395,300.00	\$8.00	\$930,200.00	\$20.00	\$2,325,500.00
3.	EXCAVATION OF AMENITY PORTION, HAULING AND DISPOSAL, TO BECOME PROPERTY OF THE CONTRACTOR, INCLUDING STRIPPING, TO BE USED IN LIEU OF DRAINAGE AND DETENTION POND C4 ITEM NO. 1	CY	91,270	\$12.00	\$1,095,240.00	\$8.00	\$730,160.00	\$20.00	\$1,825,400.00
4.	EXCAVATION OF DETENTION PORTION, HAULING AND DISPOSAL, TO BECOME PROPERTY OF THE CONTRACTOR, INCLUDING STRIPPING, TO BE USED IN LIEU OF DRAINAGE AND DETENTION POND C4 ITEM NO. 2	CY	139,730	\$12.00	\$1,676,760.00	\$8.00	\$1,117,840.00	\$20.00	\$2,794,600.00
SUBTOTAL ALTERNATE BID 'B' ITEMS					\$5,037,360.00	\$3,358,240.00		\$8,395,600.00	
BID SUMMARY									
SUBTOTAL DRAINAGE AND DETENTION POND ITEMS FOR POND E					\$953,727.50	\$1,097,544.20		\$1,624,285.00	*
SUBTOTAL MISCELLANEOUS ITEMS FOR POND E					\$319,110.00	\$187,796.10		\$328,153.00	
SUBTOTAL DRAINAGE AND DETENTION POND ITEMS FOR POND C4					\$1,049,897.25	\$1,308,157.70	*	\$1,459,356.50	
SUBTOTAL MISCELLANEOUS ITEMS FOR POND C4					\$419,908.50	\$476,995.90		\$433,914.50	
TOTAL AMOUNT BASE BID					\$2,742,643.25	\$3,070,493.90	*	\$3,845,709.00	*

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ITEM DESCRIPTION	UNIT	QTY	4) HARRIS CONSTRUCTION COMPANY, LTD		5) HURTADO CONSTRUCTION COMPANY		6) TLC CONSTRUCTION CONTRACT SERVICES	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<u>ALTERNATE BID 'A'</u>								
TOTAL AMOUNT BASE BID				\$2,742,643.25		\$3,070,493.90 *		\$3,845,709.00 *
SUBTOTAL ALTERNATE BID 'A' ITEMS				\$412,125.00		\$407,880.00		\$853,530.00
TOTAL AMOUNT INCLUDING ALTERNATE BID 'A'				\$3,154,768.25		\$3,478,373.90 *		\$4,699,239.00 *
<u>ALTERNATE BID 'B'</u>								
TOTAL AMOUNT BASE BID				\$2,742,643.25		\$3,070,493.90 *		\$3,845,709.00 *
DEDUCT DRAINAGE AND DETENTION POND E ITEM NO. 1				(\$235,641.25)		(\$324,822.40)		(\$507,535.00)
DEDUCT DRAINAGE AND DETENTION POND E ITEM NO. 2				(\$366,266.25)		(\$520,912.00)		(\$697,650.00)
DEDUCT DRAINAGE AND DETENTION POND C4 ITEM NO. 1				(\$296,627.50)		(\$427,143.60)		(\$365,080.00)
DEDUCT DRAINAGE AND DETENTION POND C4 ITEM NO. 2				(\$440,149.50)		(\$653,936.40)		(\$698,650.00)
SUBTOTAL ALTERNATE BID 'B' ITEMS				\$5,037,360.00		\$3,358,240.00		\$8,395,600.00
TOTAL AMOUNT BID INCLUDING ALTERNATE 'B'				\$6,441,318.75		\$4,501,919.50 *		\$9,972,394.00 *

