

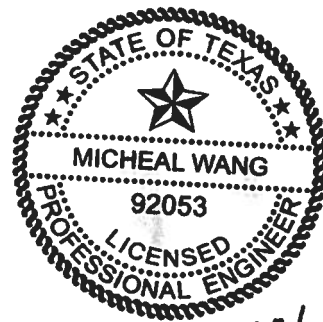
BID TABULATION FOR:

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

CONSTRUCTION OF THE PHASE 1 DETENTION FACILITIES
TO SERVE KATY MANOR SOUTH
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS
NOVEMBER 29, 2018
LJA ENGINEERING, INC.
L. MARTINEZ
NOVEMBER 30, 2018
1750-3208 (9.2)

BIDDER'S NAME	TOTAL AMOUNT BID	TOTAL AMOUNT BID INCL. ALTERANTE BID ITEM
1) HURTADO CONSTRUCTION COMPANY	\$1,366,567.38 *	\$1,978,086.18 *
2) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY	\$1,520,643.00	\$3,045,416.85
3) NORTHEX CONSTRUCTION, LLC	\$1,529,247.32 *	\$2,561,587.61 *
4) SONORA SWQM DBA SONORA CONSTRUCTION	\$1,572,102.00	\$2,678,468.25
5) SENDERO INDUSTRIES, LLC	\$1,595,197.36	\$2,609,031.16
6) DOUBLE OAK CONSTRUCTION, INC.	\$1,703,869.00	\$3,655,096.75
7) R & T ELLIS EXCAVATING, INC.	\$1,869,416.76	\$2,825,317.20
8) TEXAN DIRT, LLC	\$2,477,676.00	\$4,272,000.90
9) GW PHILLIPS CONCRETE CONSTRUCTION, INC.	\$2,691,973.00 *	\$3,697,760.50 *
10) HARRIS CONSTRUCTION COMPANY, LTD.	\$2,800,168.75	\$3,657,099.70

CALENDAR DAYS - 45/60



12/3/2018

I, Micheal Wang, P.E., hereby certify these bid tabulations to be true and correct.

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ITEM	DESCRIPTION	UNIT	QTY	1) HURTADO CONSTRUCTION COMPANY		2) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY		3) NORTHEX CONSTRUCTION, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
DETENTION EXCAVATION ITEMS									
1.	DETENTION EXCAVATION FROM DETENTION PONDS, INCLUDES STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	80,463	\$1.18	\$94,946.34	\$1.80	\$144,833.40	\$1.77	\$142,419.51
2.	AMENITY EXCAVATION FROM DETENTION PONDS, INCLUDES STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION COMPLETE IN PLACE	CY	51,685	\$1.18	\$60,988.30	\$1.80	\$93,033.00	\$1.77	\$91,482.45
3.	HAUL TO FILL AREAS, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY) OF EXCAVATED DETENTION MATERIAL AS SHOWN ON GRADING PLAN INCLUDES STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPING, REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	80,463	\$1.28	\$102,992.64	\$1.05	\$84,486.15	\$2.17	\$174,604.71
4.	HAUL TO FILL AREAS, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY) OF EXCAVATED AMENITY MATERIAL AS SHOWN ON GRADING PLAN INCLUDES STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPING, REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	51,685	\$1.28	\$66,156.80	\$1.05	\$54,269.25	\$2.17	\$112,156.45
5.	MANIPULATION OF EXISTING SOIL WITHIN POND BOTTOM AND SIDES BELOW WATER SURFACE ELEVATION, INCLUDES MOISTURE CONDITIONING BY SCARIFYING TO A MINIMUM DEPTH OF 12 INCHES AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	SY	30,150	\$0.04	\$1,206.00	\$1.40	\$42,210.00	\$0.90	\$27,135.00
6.	CLEARING & GRUBBING OF EXCAVATION AND FILL AREAS, COMPLETE IN PLACE	AC	30	\$2,388.00	\$71,640.00	\$2,800.00	\$84,000.00	\$450.00	\$13,500.00
SUBTOTAL DETENTION EXCAVATION ITEMS					\$397,930.08		\$502,831.80		\$561,298.12
DETENTION DRAINAGE ITEMS									
1.	18" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	50	\$59.58	\$2,979.00	\$45.00	\$2,250.00	\$92.00	\$4,600.00
2.	24" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	192	\$65.88	\$12,648.96	\$55.00	\$10,560.00	\$61.00	\$11,712.00
3.	30" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	61	\$81.88	\$4,994.68	\$72.00	\$4,392.00	\$95.00	\$5,795.00
4.	42" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	85	\$126.88	\$10,784.80	\$125.00	\$10,625.00	\$129.00	\$10,965.00
5.	48" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING & BACKFILL, COMPLETE IN PLACE	LF	2,568	\$178.88	\$459,363.84	\$165.00	\$423,720.00	\$136.00	\$349,248.00
6.	BORE AND JACK FOR 48" R.C.P. STORM SEWER, DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LF	159	\$488.00	\$77,592.00	\$900.00	\$143,100.00	\$754.00	\$119,886.00
7.	TRENCH SAFETY SYSTEM, ALL DEPTHS, INCLUDING TRENCH SAFETY FOR STORM SEWER PIPES AND SAFETY END TREATMENTS, COMPLETE IN PLACE	LF	2,797	\$0.88	\$2,461.36	\$0.10	\$279.70	\$0.10	\$279.70
8.	TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOPS, COMPLETE IN PLACE	EA	1	\$1,988.00	\$1,988.00	\$2,000.00	\$2,000.00	\$2,800.00	\$2,800.00
9.	TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER WITH TYPE "E" INLET TOP, INCLUDES INLET PROTECTION BARRIER, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,288.00	\$2,288.00	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00
10.	TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOPS, COMPLETE IN PLACE	EA	9	\$5,388.00	\$48,492.00	\$4,500.00	\$40,500.00	\$4,500.00	\$40,500.00

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ITEM	DESCRIPTION	UNIT	QTY	1) HURTADO CONSTRUCTION COMPANY		2) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY		3) NORTHEX CONSTRUCTION, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11.	TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER WITH TYPE "E" INLET TOP, INCLUDES INLET PROTECTION BARRIER, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$5,388.00	\$32,328.00	\$5,500.00	\$33,000.00	\$5,200.00	\$31,200.00
12.	TYPE "E" INLET, INCLUDES INLET PROTECTION BARRIER, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$5,888.00	\$11,776.00	\$3,100.00	\$6,200.00	\$2,400.00	\$4,800.00
13.	6'X6' STORM JUNCTION BOX WITH TYPE 'C' MANHOLE TOP, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOPS, COMPLETE IN PLACE	EA	1	\$5,888.00	\$5,888.00	\$4,500.00	\$4,500.00	\$10,000.00	\$10,000.00
14.	SLUICE GATE FOR 18" R.C.P., INCLUDES ALL NECESSARY FITTINGS AND APPURTENANCES, AS SHOWN ON PLANS, COMPLETE IN PLACE	EA	1	\$5,888.00	\$5,888.00	\$5,000.00	\$5,000.00	\$7,500.00	\$7,500.00
15.	5" REINFORCED CONCRETE SLOPE PAVING, INCLUDING 2' TOE WALL AROUND EDGES, COMPLETE IN PLACE	SY	375	\$62.88	\$23,580.00	\$95.00	\$35,625.00	\$95.00	\$35,625.00
16.	8" BRICK PLUG FOR 24" STORM SEWER, COMPLETE IN PLACE	EA	4	\$0.88	\$3.52	\$500.00	\$2,000.00	\$600.00	\$2,400.00
17.	8" BRICK PLUG FOR 42" STORM SEWER, COMPLETE IN PLACE	EA	1	\$0.88	\$0.88	\$500.00	\$500.00	\$800.00	\$800.00
18.	8" BRICK PLUG FOR 48" STORM SEWER, COMPLETE IN PLACE	EA	4	\$1.88	\$7.52	\$500.00	\$2,000.00	\$950.00	\$3,800.00
19.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$8.88	\$8.88	\$10,000.00	\$10,000.00	\$11,000.00	\$11,000.00
20.	CONCRETE OVERFLOW STRUCTURE (PER DETAIL ON PLAN SHEET), COMPLETE IN PLACE	LS	1	\$10,888.00	\$10,888.00	\$10,000.00	\$10,000.00	\$10,500.00	\$10,500.00
21.	BREAK INTO EXISTING STORM MANHOLE AND CONNECT PROPOSED 48" STORM SEWER, INCLUDES TEMPORARY BRICK PLUG AND BYPASS PUMPING (AS NEEDED), COMPLETE IN PLACE	EA	1	\$8,888.00	\$8,888.00	\$1,000.00	\$1,000.00	\$7,500.00	\$7,500.00
22.	DRAINAGE SWALE, PER CONSTRUCTION PLANS, COMPLETE IN PLACE	LF	9,497	\$0.88	\$8,357.36	\$3.00	\$28,491.00	\$2.00	\$18,994.00
SUBTOTAL DETENTION DRAINAGE ITEMS					\$731,206.80		\$779,242.70		\$693,404.70
MISCELLANEOUS DETENTION ITEMS									
1.	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), INCLUDES EXTRA EXCAVATION, STOCKPILING OF SUITABLE MATERIAL FROM LAKES, HAULING, PLACEMENT AND COMPACTION OF SUITABLE MATERIAL FOR LAKE LINING, COMPLETE IN PLACE	CY	15,994	\$1.50	\$23,991.00	\$1.50	\$23,991.00	\$1.50	\$23,991.00
2.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	20	\$200.00	\$4,000.00	\$200.00	\$4,000.00	\$200.00	\$4,000.00
3.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	20	\$300.00	\$6,000.00	\$300.00	\$6,000.00	\$300.00	\$6,000.00
4.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF INTERCONNECTS, ALL LINE SIZES AND DEPTHS, 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	250	\$22.00	\$5,500.00	\$30.00	\$7,500.00	\$22.00	\$5,500.00

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 NOVEMBER 29, 2018
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 L. MARTINEZ
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ITEM	DESCRIPTION	UNIT	QTY	1) HURTADO CONSTRUCTION COMPANY		2) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY		3) NORTHEX CONSTRUCTION, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS, 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	AC	9.5	\$3,000.00	\$28,500.00	\$3,000.00	\$28,500.00	\$3,000.00	\$28,500.00
6.	6" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT PONDS, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN PONDS IN LIEU OF OUTFALL BEING CONSTRUCTED (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	600	\$10.00	\$6,000.00	\$10.00	\$6,000.00	\$10.00	\$6,000.00
7.	8" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT PONDS, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN PONDS IN LIEU OF OUTFALL BEING CONSTRUCTED (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	300	\$15.00	\$4,500.00	\$15.00	\$4,500.00	\$15.00	\$4,500.00
8.	STORMWATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROL AND ALL OTHER ITEMS NOT SPECIFICALLY LISTED, COMPLETE IN PLACE	LS	1	\$888.00	\$888.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
9.	CONSTRUCT AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$888.00	\$888.00	\$1,800.00	\$1,800.00	\$2,500.00	\$2,500.00
10.	REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), INCLUDES MAINTENANCE, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	11,638	\$1.00	\$11,638.00	\$1.00	\$11,638.00	\$1.00	\$11,638.00
11.	HYDOMULCH SEEDING OF LAKE RESERVE ABOVE SPECIFIED WATER SURFACE ELEVATION PER HCFCD SECTION 02921 (DRY APPLICATION), COMPLETE IN PLACE	AC	5.4	\$1,200.00	\$6,480.00	\$1,850.00	\$9,990.00	\$1,200.00	\$6,480.00
12.	MOWING OF LAKES AND FILL AREAS (ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	51.5	\$25.00	\$1,287.50	\$25.00	\$1,287.50	\$25.00	\$1,287.50
13.	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER HARRIS COUNTY SPECIFICATIONS. ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	250	\$10.00	\$2,500.00	\$10.00	\$2,500.00	\$10.00	\$2,500.00
14.	CONCRETE TRUCK WASHOUT, INCLUDING INSTALLATION MAINTENANCE AND REMOVAL, COMPLETE IN PLACE	EA	1	\$888.00	\$888.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00
15.	OVER EXCAVATION OF UNSUITABLE MATERIAL PRIOR TO FILL PLACEMENT WITHIN FILL AREAS, INCLUDES EXCAVATION, DEMUCKING, AND SPREADING OF UNSUITABLE MATERIAL AND PLACEMENT OF MATERIAL AS FINAL LIFT UPON COMPLETION OF FILL (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	72,500	\$1.50	\$108,750.00	\$1.50	\$108,750.00	\$1.50	\$108,750.00
16.	CONTRACTOR SHALL TV & CLEAN PROPOSED STORM SEWER, ALL SIZES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	2,956	\$0.08	\$236.48	\$2.00	\$5,912.00	\$10.50	\$31,038.00
17.	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	4	\$0.88	\$3.52	\$50.00	\$200.00	\$90.00	\$360.00
18.	REMOVE AND REPLACE EXISTING 5' SIDEWALKS ALONG ABBEY MANOR LANE, COMPLETE IN PLACE	LF	300	\$48.88	\$14,664.00	\$20.00	\$6,000.00	\$50.00	\$15,000.00
19.	REMOVE AND REPLACE EXISTING ROADSIDE TREES ALONG ABBEY MANOR LANE, COMPLETE IN PLACE	LF	1	\$8,888.00	\$8,888.00	\$3,500.00	\$3,500.00	\$1,000.00	\$1,000.00
20.	CHIPPING AND REMOVAL OF MATERIAL, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LS	1	\$888.00	\$888.00	\$3,000.00	\$3,000.00	\$8,500.00	\$8,500.00

* MATHEMATICAL ERROR

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ITEM	DESCRIPTION	UNIT	QTY	1) HURTADO CONSTRUCTION COMPANY		2) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY		3) NORTHEX CONSTRUCTION, LLC	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
21.	WASTE CONTAINER (10 CY), AS DIRECTED BY THE ENGINEER, IF REQUIRED, COMPLETE IN PLACE	EA	5	\$88.00	\$440.00	\$300.00	\$1,500.00	\$800.00	\$4,000.00
22.	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$5.00	\$500.00	\$5.00	\$500.00	\$5.00	\$500.00
SUBTOTAL MISCELLANEOUS DETENTION ITEMS					\$237,430.50		\$238,568.50		\$274,544.50
ALTERNATE BID ITEM									
1.	HAUL EXCAVATED MATERIAL FROM PROPOSED POND TO OFFSITE DISPOSAL AREA IN LIEU OF DETENTION EXCAVATION ITEMS 3, COMPLETE IN PLACE	CY	80,463	\$8.88	\$714,511.44	\$20.00	\$1,609,260.00	\$15.00	\$1,206,945.00
SUBTOTAL ALTERNATE BID ITEM					\$714,511.44		\$1,609,260.00		\$1,206,945.00
BID SUMMARY									
SUBTOTAL DETENTION EXCAVATION ITEMS					\$397,930.08		\$502,831.80		\$561,298.12
SUBTOTAL DETENTION DRAINAGE ITEMS					\$731,206.80 *		\$779,242.70		\$693,404.70 *
SUBTOTAL MISCELLANEOUS DETENTION ITEMS					\$237,430.50		\$238,568.50		\$274,544.50
TOTAL AMOUNT BID					\$1,366,567.38 *		\$1,520,643.00		\$1,529,247.32 *
ALTERNATE BID									
TOTAL AMOUNT BID					\$1,366,567.38 *		\$1,520,643.00		\$1,529,247.32 *
DEDUCT DETENTION EXCAVATION ITEM NO.3					(\$102,992.64)		(\$84,486.15)		(\$174,604.71) *
SUBTOTAL ALTERNATE BID ITEM					\$714,511.44		\$1,609,260.00		\$1,206,945.00 *
TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEM					\$1,978,086.18 *		\$3,045,416.85		\$2,561,587.61 *

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ITEM	DESCRIPTION	UNIT	QTY	4) SONORA SWQM DBA SONORA CONSTRUCTION		5) SENDERO INDUSTRIES, LLC		6) DOUBLE OAK CONSTRUCTION, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
DETENTION EXCAVATION ITEMS									
1.	DETENTION EXCAVATION FROM DETENTION PONDS, INCLUDES STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	80,463	\$1.50	\$120,694.50	\$0.98	\$78,853.74	\$1.80	\$144,833.40
2.	AMENITY EXCAVATION FROM DETENTION PONDS, INCLUDES STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION COMPLETE IN PLACE	CY	51,685	\$1.50	\$77,527.50	\$0.98	\$50,651.30	\$1.80	\$93,033.00
3.	HAUL TO FILL AREAS, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY) OF EXCAVATED DETENTION MATERIAL AS SHOWN ON GRADING PLAN INCLUDES STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPING, REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	80,463	\$1.25	\$100,578.75	\$2.40	\$193,111.20	\$0.75	\$60,347.25
4.	HAUL TO FILL AREAS, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY) OF EXCAVATED AMENITY MATERIAL AS SHOWN ON GRADING PLAN INCLUDES STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPING, REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	51,685	\$1.25	\$64,606.25	\$2.40	\$124,044.00	\$0.75	\$38,763.75
5.	MANIPULATION OF EXISTING SOIL WITHIN POND BOTTOM AND SIDES BELOW WATER SURFACE ELEVATION, INCLUDES MOISTURE CONDITIONING BY SCARIFYING TO A MINIMUM DEPTH OF 12 INCHES AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	SY	30,150	\$0.50	\$15,075.00	\$0.95	\$28,642.50	\$1.00	\$30,150.00
6.	CLEARING & GRUBBING OF EXCAVATION AND FILL AREAS, COMPLETE IN PLACE	AC	30	\$2,790.00	\$83,700.00	\$5,000.00	\$150,000.00	\$3,000.00	\$90,000.00
SUBTOTAL DETENTION EXCAVATION ITEMS					\$462,182.00		\$625,302.74		\$457,127.40
DETENTION DRAINAGE ITEMS									
1.	18" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	50	\$72.00	\$3,600.00	\$49.00	\$2,450.00	\$80.00	\$4,000.00
2.	24" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	192	\$74.00	\$14,208.00	\$59.00	\$11,328.00	\$80.00	\$15,360.00
3.	30" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	61	\$90.00	\$5,490.00	\$83.00	\$5,063.00	\$95.00	\$5,795.00
4.	42" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	85	\$143.00	\$12,155.00	\$133.00	\$11,305.00	\$155.00	\$13,175.00
5.	48" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING & BACKFILL, COMPLETE IN PLACE	LF	2,568	\$168.00	\$431,424.00	\$166.00	\$426,288.00	\$180.00	\$462,240.00
6.	BORE AND JACK FOR 48" R.C.P. STORM SEWER, DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LF	159	\$666.00	\$105,894.00	\$530.00	\$84,270.00	\$700.00	\$111,300.00
7.	TRENCH SAFETY SYSTEM, ALL DEPTHS, INCLUDING TRENCH SAFETY FOR STORM SEWER PIPES AND SAFETY END TREATMENTS, COMPLETE IN PLACE	LF	2,797	\$1.00	\$2,797.00	\$0.01	\$27.97	\$0.50	\$1,398.50
8.	TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOPS, COMPLETE IN PLACE	EA	1	\$2,700.00	\$2,700.00	\$2,420.00	\$2,420.00	\$2,900.00	\$2,900.00
9.	TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER WITH TYPE "E" INLET TOP, INCLUDES INLET PROTECTION BARRIER, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$4,750.00	\$4,750.00	\$4,050.00	\$4,050.00	\$5,000.00	\$5,000.00
10.	TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOPS, COMPLETE IN PLACE	EA	9	\$5,290.00	\$47,610.00	\$4,838.00	\$43,542.00	\$5,650.00	\$50,850.00

* MATHEMATICAL ERROR

BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 DETENTION FACILITIES
 TO SERVE KATY MANOR SOUTH
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS
 NOVEMBER 29, 2018
 LJA ENGINEERING, INC.
 L. MARTINEZ
 NOVEMBER 30, 2018
 1750-3208 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) SONORA SWQM DBA SONORA CONSTRUCTION		5) SENDERO INDUSTRIES, LLC		6) DOUBLE OAK CONSTRUCTION, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11.	TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER WITH TYPE "E" INLET TOP, INCLUDES INLET PROTECTION BARRIER, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$6,075.00	\$36,450.00	\$5,221.00	\$31,326.00	\$6,500.00	\$39,000.00
12.	TYPE "E" INLET, INCLUDES INLET PROTECTION BARRIER, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$3,210.00	\$6,420.00	\$2,704.00	\$5,408.00	\$3,450.00	\$6,900.00
13.	6'X6' STORM JUNCTION BOX WITH TYPE "C" MANHOLE TOP, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOPS, COMPLETE IN PLACE	EA	1	\$4,990.00	\$4,990.00	\$4,455.00	\$4,455.00	\$5,300.00	\$5,300.00
14.	SLUICE GATE FOR 18" R.C.P., INCLUDES ALL NECESSARY FITTINGS AND APPURTENANCES, AS SHOWN ON PLANS, COMPLETE IN PLACE	EA	1	\$7,373.00	\$7,373.00	\$2,250.00	\$2,250.00	\$7,850.00	\$7,850.00
15.	5" REINFORCED CONCRETE SLOPE PAVING, INCLUDING 2' TOE WALL AROUND EDGES, COMPLETE IN PLACE	SY	375	\$100.00	\$37,500.00	\$58.00	\$21,750.00	\$100.00	\$37,500.00
16.	8" BRICK PLUG FOR 24" STORM SEWER, COMPLETE IN PLACE	EA	4	\$220.00	\$880.00	\$120.00	\$480.00	\$240.00	\$960.00
17.	8" BRICK PLUG FOR 42" STORM SEWER, COMPLETE IN PLACE	EA	1	\$283.00	\$283.00	\$310.00	\$310.00	\$300.00	\$300.00
18.	8" BRICK PLUG FOR 48" STORM SEWER, COMPLETE IN PLACE	EA	4	\$350.00	\$1,400.00	\$375.00	\$1,500.00	\$370.00	\$1,480.00
19.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$2,400.00	\$2,400.00	\$7,530.00	\$7,530.00	\$16,700.00	\$16,700.00
20.	CONCRETE OVERFLOW STRUCTURE (PER DETAIL ON PLAN SHEET), COMPLETE IN PLACE	LS	1	\$8,800.00	\$8,800.00	\$7,665.00	\$7,665.00	\$8,200.00	\$8,200.00
21.	BREAK INTO EXISTING STORM MANHOLE AND CONNECT PROPOSED 48" STORM SEWER, INCLUDES TEMPORARY BRICK PLUG AND BYPASS PUMPING (AS NEEDED), COMPLETE IN PLACE	EA	1	\$4,725.00	\$4,725.00	\$510.00	\$510.00	\$5,000.00	\$5,000.00
22.	DRAINAGE SWALE, PER CONSTRUCTION PLANS, COMPLETE IN PLACE	LF	9,497	\$3.00	\$28,491.00	\$0.95	\$9,022.15	\$3.00	\$28,491.00
SUBTOTAL DETENTION DRAINAGE ITEMS					\$770,340.00		\$682,950.12		\$829,699.50
MISCELLANEOUS DETENTION ITEMS									
1.	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), INCLUDES EXTRA EXCAVATION, STOCKPILING OF SUITABLE MATERIAL FROM LAKES, HAULING, PLACEMENT AND COMPACTION OF SUITABLE MATERIAL FOR LAKE LINING, COMPLETE IN PLACE	CY	15,994	\$1.50	\$23,991.00	\$1.50	\$23,991.00	\$3.30	\$52,780.20
2.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	20	\$200.00	\$4,000.00	\$200.00	\$4,000.00	\$1,900.00	\$38,000.00
3.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	20	\$300.00	\$6,000.00	\$300.00	\$6,000.00	\$1,900.00	\$38,000.00
4.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF INTERCONNECTS, ALL LINE SIZES AND DEPTHS, 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	250	\$22.00	\$5,500.00	\$22.00	\$5,500.00	\$22.00	\$5,500.00

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 TO SERVE KATY MANOR SOUTH
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS
 NOVEMBER 29, 2018
 LJA ENGINEERING, INC.
 L. MARTINEZ
 NOVEMBER 30, 2018
 1750-3208 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) SONORA SWQM DBA SONORA CONSTRUCTION		5) SENDERO INDUSTRIES, LLC		6) DOUBLE OAK CONSTRUCTION, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS, 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	AC	9.5	\$3,000.00	\$28,500.00	\$3,000.00	\$28,500.00	\$3,000.00	\$28,500.00
6.	6" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT PONDS, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN PONDS IN LIEU OF OUTFALL BEING CONSTRUCTED (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	600	\$25.00	\$15,000.00	\$10.00	\$6,000.00	\$42.00	\$25,200.00
7.	8" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT PONDS, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN PONDS IN LIEU OF OUTFALL BEING CONSTRUCTED (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	300	\$30.00	\$9,000.00	\$15.00	\$4,500.00	\$42.00	\$12,600.00
8.	STORMWATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROL AND ALL OTHER ITEMS NOT SPECIFICALLY LISTED, COMPLETE IN PLACE	LS	1	\$900.00	\$900.00	\$1,500.00	\$1,500.00	\$1,800.00	\$1,800.00
9.	CONSTRUCT AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$1,800.00	\$1,800.00	\$2,300.00	\$2,300.00	\$3,000.00	\$3,000.00
10.	REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), INCLUDES MAINTENANCE, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	11,638	\$1.00	\$11,638.00	\$1.00	\$11,638.00	\$1.30	\$15,129.40
11.	HYDROMULCH SEEDING OF LAKE RESERVE ABOVE SPECIFIED WATER SURFACE ELEVATION PER HCFCD SECTION 02921 (DRY APPLICATION), COMPLETE IN PLACE	AC	5.4	\$1,800.00	\$9,720.00	\$1,930.00	\$10,422.00	\$1,950.00	\$10,530.00
12.	MOWING OF LAKES AND FILL AREAS (ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	51.5	\$50.00	\$2,575.00	\$25.00	\$1,287.50	\$25.00	\$1,287.50
13.	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER HARRIS COUNTY SPECIFICATIONS. ALL LINE SIZES AND DEPTHS. (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	250	\$10.00	\$2,500.00	\$10.00	\$2,500.00	\$10.00	\$2,500.00
14.	CONCRETE TRUCK WASHOUT, INCLUDING INSTALLATION MAINTENANCE AND REMOVAL, COMPLETE IN PLACE	EA	1	\$450.00	\$450.00	\$700.00	\$700.00	\$300.00	\$300.00
15.	OVER EXCAVATION OF UNSUITABLE MATERIAL PRIOR TO FILL PLACEMENT WITHIN FILL AREAS, INCLUDES EXCAVATION, DEMUCKING, AND SPREADING OF UNSUITABLE MATERIAL AND PLACEMENT OF MATERIAL AS FINAL LIFT UPON COMPLETION OF FILL (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	72,500	\$2.50	\$181,250.00	\$1.50	\$108,750.00	\$2.00	\$145,000.00
16.	CONTRACTOR SHALL TV & CLEAN PROPOSED STORM SEWER, ALL SIZES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	2,956	\$3.50	\$10,346.00	\$5.00	\$14,780.00	\$4.00	\$11,824.00
17.	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	4	\$40.00	\$160.00	\$69.00	\$276.00	\$60.00	\$240.00
18.	REMOVE AND REPLACE EXISTING 5' SIDEWALKS ALONG ABBEY MANOR LANE, COMPLETE IN PLACE	LF	300	\$46.00	\$13,800.00	\$25.00	\$7,500.00	\$55.00	\$16,500.00
19.	REMOVE AND REPLACE EXISTING ROADSIDE TREES ALONG ABBEY MANOR LANE, COMPLETE IN PLACE	LF	1	\$3,150.00	\$3,150.00	\$8,800.00	\$8,800.00	\$3,350.00	\$3,350.00
20.	CHIPPING AND REMOVAL OF MATERIAL, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LS	1	\$4,800.00	\$4,800.00	\$34,500.00	\$34,500.00	\$1.00	\$1.00

BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 DETENTION FACILITIES
 TO SERVE KATY MANOR SOUTH
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS
 NOVEMBER 29, 2018
 LJA ENGINEERING, INC.
 L. MARTINEZ
 NOVEMBER 30, 2018
 1750-3208 (9.2)

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

ITEM DESCRIPTION	UNIT	QTY	4) SONORA SWQM DBA SONORA CONSTRUCTION		5) SENDERO INDUSTRIES, LLC		6) DOUBLE OAK CONSTRUCTION, INC.	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
21. WASTE CONTAINER (10 CY), AS DIRECTED BY THE ENGINEER, IF REQUIRED, COMPLETE IN PLACE	EA	5	\$500.00	\$2,500.00	\$600.00	\$3,000.00	\$900.00	\$4,500.00
22. EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$5.00	\$500.00	\$5.00	\$500.00
SUBTOTAL MISCELLANEOUS DETENTION ITEMS				\$339,580.00		\$286,944.50		\$417,042.10
ALTERNATE BID ITEM								
1. HAUL EXCAVATED MATERIAL FROM PROPOSED POND TO OFFSITE DISPOSAL AREA IN LIEU OF DETENTION EXCAVATION ITEMS 3, COMPLETE IN PLACE	CY	80,463	\$15.00	\$1,206,945.00	\$15.00	\$1,206,945.00	\$25.00	\$2,011,575.00
SUBTOTAL ALTERNATE BID ITEM				\$1,206,945.00		\$1,206,945.00		\$2,011,575.00
BID SUMMARY								
SUBTOTAL DETENTION EXCAVATION ITEMS				\$462,182.00		\$625,302.74		\$457,127.40
SUBTOTAL DETENTION DRAINAGE ITEMS				\$770,340.00		\$682,950.12		\$829,699.50
SUBTOTAL MISCELLANEOUS DETENTION ITEMS				\$339,580.00		\$286,944.50		\$417,042.10
TOTAL AMOUNT BID				\$1,572,102.00		\$1,595,197.36		\$1,703,869.00
ALTERNATE BID								
TOTAL AMOUNT BID				\$1,572,102.00		\$1,595,197.36		\$1,703,869.00
DEDUCT DETENTION EXCAVATION ITEM NO.3				(\$100,578.75)		(\$193,111.20)		(\$60,347.25)
SUBTOTAL ALTERNATE BID ITEM				\$1,206,945.00		\$1,206,945.00		\$2,011,575.00
TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEM				\$2,678,468.25		\$2,609,031.16		\$3,655,096.75

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CONSTRUCTION OF THE PHASE 1 DETENTION FACILITIES
 TO SERVE KATY MANOR SOUTH
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS
 NOVEMBER 29, 2018
 LJA ENGINEERING, INC.
 L. MARTINEZ
 NOVEMBER 30, 2018
 1750-3208 (9.2)

BID OPENING DATE:
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LJA JOB NO.

ITEM DESCRIPTION	UNIT	QTY	7) R & T ELLIS EXCAVATING, INC.		8) TEXAN DIRT, LLC		9) GW PHILLIPS CONCRETE CONSTRUCTION, INC.		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
DETENTION EXCAVATION ITEMS									
1. DETENTION EXCAVATION FROM DETENTION PONDS, INCLUDES STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	80,463	\$1.00	\$80,463.00	\$1.00	\$80,463.00	\$2.50	\$201,157.50	
2. AMENITY EXCAVATION FROM DETENTION PONDS, INCLUDES STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION COMPLETE IN PLACE	CY	51,685	\$1.00	\$51,685.00	\$1.00	\$51,685.00	\$2.50	\$129,212.50	
3. HAUL TO FILL AREAS, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY) OF EXCAVATED DETENTION MATERIAL AS SHOWN ON GRADING PLAN INCLUDES STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPING, REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	80,463	\$2.12	\$170,581.56	\$2.70	\$217,250.10	\$3.50	\$281,620.50	
4. HAUL TO FILL AREAS, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY) OF EXCAVATED AMENITY MATERIAL AS SHOWN ON GRADING PLAN INCLUDES STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPING, REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	51,685	\$2.12	\$109,572.20	\$2.70	\$139,549.50	\$3.50	\$180,897.50	
5. MANIPULATION OF EXISTING SOIL WITHIN POND BOTTOM AND SIDES BELOW WATER SURFACE ELEVATION, INCLUDES MOISTURE CONDITIONING BY SCARIFYING TO A MINIMUM DEPTH OF 12 INCHES AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	SY	30,150	\$2.00	\$60,300.00	\$1.00	\$30,150.00	\$4.00	\$120,600.00	
6. CLEARING & GRUBBING OF EXCAVATION AND FILL AREAS, COMPLETE IN PLACE	AC	30	\$2,000.00	\$60,000.00	\$6,300.00	\$189,000.00	\$3,500.00	\$105,000.00	
SUBTOTAL DETENTION EXCAVATION ITEMS				\$532,601.76		\$708,097.60		\$1,018,488.00	
DETENTION DRAINAGE ITEMS									
1. 18" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	50	\$40.00	\$2,000.00	\$130.00	\$6,500.00	\$90.00	\$4,500.00	
2. 24" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	192	\$54.00	\$10,368.00	\$150.00	\$28,800.00	\$105.00	\$20,160.00	
3. 30" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	61	\$75.00	\$4,575.00	\$165.00	\$10,065.00	\$125.00	\$7,625.00	
4. 42" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	85	\$157.00	\$13,345.00	\$227.00	\$19,295.00	\$180.00	\$15,300.00	
5. 48" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING & BACKFILL, COMPLETE IN PLACE	LF	2,568	\$190.00	\$487,920.00	\$266.00	\$683,088.00	\$200.00	\$513,600.00	
6. BORE AND JACK FOR 48" R.C.P. STORM SEWER, DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LF	159	\$1,350.00	\$214,650.00	\$930.00	\$147,870.00	\$1,200.00	\$190,800.00	
7. TRENCH SAFETY SYSTEM, ALL DEPTHS, INCLUDING TRENCH SAFETY FOR STORM SEWER PIPES AND SAFETY END TREATMENTS, COMPLETE IN PLACE	LF	2,797	\$1.00	\$2,797.00	\$3.00	\$8,391.00	\$2.00	\$5,594.00	
8. TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOPS, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00	\$3,110.00	\$3,110.00	\$3,900.00	\$3,900.00	
9. TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER WITH TYPE "E" INLET TOP, INCLUDES INLET PROTECTION BARRIER, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,600.00	\$3,600.00	\$4,500.00	\$4,500.00	\$4,100.00	\$4,100.00	
10. TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOPS, COMPLETE IN PLACE	EA	9	\$6,000.00	\$54,000.00	\$6,730.00	\$60,570.00	\$4,800.00	\$43,200.00	

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 TO SERVE KATY MANOR SOUTH
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
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ITEM	DESCRIPTION	UNIT	QTY	7) R & T ELLIS EXCAVATING, INC.		8) TEXAN DIRT, LLC		9) GW PHILLIPS CONCRETE CONSTRUCTION, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11.	TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER WITH TYPE "E" INLET TOP, INCLUDES INLET PROTECTION BARRIER, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$6,200.00	\$37,200.00	\$8,000.00	\$48,000.00	\$4,800.00	\$28,800.00
12.	TYPE "E" INLET, INCLUDES INLET PROTECTION BARRIER, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$3,500.00	\$7,000.00	\$3,500.00	\$7,000.00	\$3,100.00	\$6,200.00
13.	6'X6' STORM JUNCTION BOX WITH TYPE 'C' MANHOLE TOP, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOPS, COMPLETE IN PLACE	EA	1	\$12,500.00	\$12,500.00	\$19,500.00	\$19,500.00	\$14,000.00	\$14,000.00
14.	SLUICE GATE FOR 18" R.C.P., INCLUDES ALL NECESSARY FITTINGS AND APPURTENANCES, AS SHOWN ON PLANS, COMPLETE IN PLACE	EA	1	\$12,000.00	\$12,000.00	\$28,000.00	\$28,000.00	\$8,000.00	\$8,000.00
15.	5" REINFORCED CONCRETE SLOPE PAVING, INCLUDING 2' TOE WALL AROUND EDGES, COMPLETE IN PLACE	SY	375	\$125.00	\$46,875.00	\$150.00	\$56,250.00	\$95.00	\$35,625.00
16.	8" BRICK PLUG FOR 24" STORM SEWER, COMPLETE IN PLACE	EA	4	\$650.00	\$2,600.00	\$800.00	\$3,200.00	\$450.00	\$1,800.00
17.	8" BRICK PLUG FOR 42" STORM SEWER, COMPLETE IN PLACE	EA	1	\$900.00	\$900.00	\$1,200.00	\$1,200.00	\$900.00	\$900.00
18.	8" BRICK PLUG FOR 48" STORM SEWER, COMPLETE IN PLACE	EA	4	\$1,100.00	\$4,400.00	\$1,600.00	\$6,400.00	\$950.00	\$3,800.00
19.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00
20.	CONCRETE OVERFLOW STRUCTURE (PER DETAIL ON PLAN SHEET), COMPLETE IN PLACE	LS	1	\$16,500.00	\$16,500.00	\$26,000.00	\$26,000.00	\$28,000.00	\$28,000.00
21.	BREAK INTO EXISTING STORM MANHOLE AND CONNECT PROPOSED 48" STORM SEWER, INCLUDES TEMPORARY BRICK PLUG AND BYPASS PUMPING (AS NEEDED), COMPLETE IN PLACE	EA	1	\$3,200.00	\$3,200.00	\$15,000.00	\$15,000.00	\$4,000.00	\$4,000.00
22.	DRAINAGE SWALE, PER CONSTRUCTION PLANS, COMPLETE IN PLACE	LF	9,497	\$3.50	\$33,239.50	\$5.00	\$47,485.00	\$4.00	\$37,988.00
SUBTOTAL DETENTION DRAINAGE ITEMS					\$977,169.50		\$1,235,224.00		\$985,892.00
MISCELLANEOUS DETENTION ITEMS									
1.	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), INCLUDES EXTRA EXCAVATION, STOCKPILING OF SUITABLE MATERIAL FROM LAKES, HAULING, PLACEMENT AND COMPACTION OF SUITABLE MATERIAL FOR LAKE LINING, COMPLETE IN PLACE	CY	15,994	\$4.00	\$63,976.00	\$3.00	\$47,982.00	\$5.00	\$79,970.00
2.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	20	\$200.00	\$4,000.00	\$300.00	\$6,000.00	\$500.00	\$10,000.00
3.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	20	\$300.00	\$6,000.00	\$500.00	\$10,000.00	\$500.00	\$10,000.00
4.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF INTERCONNECTS, ALL LINE SIZES AND DEPTHS, 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	250	\$35.00	\$8,750.00	\$40.00	\$10,000.00	\$35.00	\$8,750.00

BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 DETENTION FACILITIES
 TO SERVE KATY MANOR SOUTH
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS
 NOVEMBER 29, 2018
 LJA ENGINEERING, INC.
 L. MARTINEZ
 NOVEMBER 30, 2018
 1750-3208 (9.2)

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

7) R & T ELLIS EXCAVATING, INC.

8) TEXAN DIRT, LLC

9) GW PHILLIPS CONCRETE
 CONSTRUCTION, INC.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS, 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	AC	9.5	\$5,000.00	\$47,500.00	\$6,000.00	\$57,000.00	\$12,000.00	\$114,000.00
6.	6" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT PONDS, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN PONDS IN LIEU OF OUTFALL BEING CONSTRUCTED (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	600	\$10.00	\$6,000.00	\$60.00	\$36,000.00	\$40.00	\$24,000.00
7.	8" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT PONDS, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN PONDS IN LIEU OF OUTFALL BEING CONSTRUCTED (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	300	\$15.00	\$4,500.00	\$90.00	\$27,000.00	\$50.00	\$15,000.00
8.	STORMWATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROL AND ALL OTHER ITEMS NOT SPECIFICALLY LISTED, COMPLETE IN PLACE	LS	1	\$3,500.00	\$3,500.00	\$10,000.00	\$10,000.00	\$2,500.00	\$2,500.00
9.	CONSTRUCT AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$3,000.00	\$3,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
10.	REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), INCLUDES MAINTENANCE, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	11,638	\$1.50	\$17,457.00	\$1.50	\$17,457.00	\$1.50	\$17,457.00
11.	HYDROMULCH SEEDING OF LAKE RESERVE ABOVE SPECIFIED WATER SURFACE ELEVATION PER HCFCO SECTION 02921 (DRY APPLICATION), COMPLETE IN PLACE	AC	5.4	\$1,800.00	\$9,720.00	\$3,000.00	\$16,200.00	\$2,600.00	\$14,040.00
12.	MOWING OF LAKES AND FILL AREAS (ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	51.5	\$75.00	\$3,862.50	\$150.00	\$7,725.00	\$40.00	\$2,060.00
13.	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER HARRIS COUNTY SPECIFICATIONS, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	250	\$10.00	\$2,500.00	\$20.00	\$5,000.00	\$20.00	\$5,000.00
14.	CONCRETE TRUCK WASHOUT, INCLUDING INSTALLATION MAINTENANCE AND REMOVAL, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$900.00	\$900.00
15.	OVER EXCAVATION OF UNSUITABLE MATERIAL PRIOR TO FILL PLACEMENT WITHIN FILL AREAS, INCLUDES EXCAVATION, DEMUCKING, AND SPREADING OF UNSUITABLE MATERIAL AND PLACEMENT OF MATERIAL AS FINAL LIFT UPON COMPLETION OF FILL (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	72,500	\$1.50	\$108,750.00	\$2.50	\$181,250.00	\$4.50	\$326,250.00
16.	CONTRACTOR SHALL TV & CLEAN PROPOSED STORM SEWER, ALL SIZES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	2,956	\$5.00	\$14,780.00	\$15.00	\$44,340.00	\$6.00	\$17,736.00
17.	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	4	\$150.00	\$600.00	\$100.00	\$400.00	\$100.00	\$400.00
18.	REMOVE AND REPLACE EXISTING 5' SIDEWALKS ALONG ABBEY MANOR LANE, COMPLETE IN PLACE	LF	300	\$60.00	\$18,000.00	\$35.00	\$10,500.00	\$48.00	\$14,400.00
19.	REMOVE AND REPLACE EXISTING ROADSIDE TREES ALONG ABBEY MANOR LANE, COMPLETE IN PLACE	LF	1	\$3,000.00	\$3,000.00	\$15,000.40	\$15,000.40	\$80.00	\$80.00
20.	CHIPPING AND REMOVAL OF MATERIAL, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00

* MATHEMATICAL ERROR

BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 DETENTION FACILITIES
 TO SERVE KATY MANOR SOUTH
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS
 NOVEMBER 29, 2018
 LJA ENGINEERING, INC.
 L. MARTINEZ
 NOVEMBER 30, 2018
 1750-3208 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	7) R & T ELLIS EXCAVATING, INC.		8) TEXAN DIRT, LLC		9) GW PHILLIPS CONCRETE CONSTRUCTION, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
21.	WASTE CONTAINER (10 CY), AS DIRECTED BY THE ENGINEER, IF REQUIRED, COMPLETE IN PLACE	EA	5	\$450.00	\$2,250.00	\$1,200.00	\$6,000.00	\$650.00	\$3,250.00
22.	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$5.00	\$500.00	\$20.00	\$2,000.00	\$28.00	\$2,800.00
SUBTOTAL MISCELLANEOUS DETENTION ITEMS					\$359,645.50	\$534,354.40		\$687,593.00 *	
ALTERNATE BID ITEM									
1.	HAUL EXCAVATED MATERIAL FROM PROPOSED POND TO OFFSITE DISPOSAL AREA IN LIEU OF DETENTION EXCAVATION ITEMS 3, COMPLETE IN PLACE	CY	80,463	\$14.00	\$1,126,482.00	\$25.00	\$2,011,575.00	\$16.00	\$1,287,408.00
SUBTOTAL ALTERNATE BID ITEM					\$1,126,482.00	\$2,011,575.00		\$1,287,408.00	
BID SUMMARY									
SUBTOTAL DETENTION EXCAVATION ITEMS					\$532,601.76	\$708,097.60		\$1,018,488.00	
SUBTOTAL DETENTION DRAINAGE ITEMS					\$977,169.50	\$1,235,224.00		\$985,892.00	
SUBTOTAL MISCELLANEOUS DETENTION ITEMS					\$359,645.50	\$534,354.40		\$687,593.00 *	
TOTAL AMOUNT BID					\$1,869,416.76	\$2,477,676.00		\$2,691,973.00 *	
ALTERNATE BID									
TOTAL AMOUNT BID					\$1,869,416.76	\$2,477,676.00 *		\$2,691,973.00 *	
DEDUCT DETENTION EXCAVATION ITEM NO.3					(\$170,581.56)	(\$217,250.10)		(\$281,620.50)	
SUBTOTAL ALTERNATE BID ITEM					\$1,126,482.00	\$2,011,575.00 *		\$1,287,408.00	
TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEM					\$2,825,317.20	\$4,272,000.90		\$3,697,760.50 *	

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CONSTRUCTION OF THE PHASE 1 DETENTION FACILITIES
 TO SERVE KATY MANOR SOUTH
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS
 NOVEMBER 29, 2018
 LJA ENGINEERING, INC.
 L. MARTINEZ
 NOVEMBER 30, 2018
 1750-3208 (9.2)

10) HARRIS CONSTRUCTION COMPANY, LTD.

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

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
DETENTION EXCAVATION ITEMS					
1.	DETENTION EXCAVATION FROM DETENTION PONDS, INCLUDES STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	80,463	\$1.35	\$108,625.05
2.	AMENITY EXCAVATION FROM DETENTION PONDS, INCLUDES STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION COMPLETE IN PLACE	CY	51,685	\$1.40	\$72,359.00
3.	HAUL TO FILL AREAS, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY) OF EXCAVATED DETENTION MATERIAL AS SHOWN ON GRADING PLAN INCLUDES STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPING, REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	80,463	\$1.35	\$108,625.05
4.	HAUL TO FILL AREAS, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY) OF EXCAVATED AMENITY MATERIAL AS SHOWN ON GRADING PLAN INCLUDES STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPING, REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	51,685	\$1.40	\$72,359.00
5.	MANIPULATION OF EXISTING SOIL WITHIN POND BOTTOM AND SIDES BELOW WATER SURFACE ELEVATION, INCLUDES MOISTURE CONDITIONING BY SCARIFYING TO A MINIMUM DEPTH OF 12 INCHES AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, COMPLETE IN PLACE	SY	30,150	\$2.50	\$75,375.00
6.	CLEARING & GRUBBING OF EXCAVATION AND FILL AREAS, COMPLETE IN PLACE	AC	30	\$4,500.00	\$135,000.00
SUBTOTAL DETENTION EXCAVATION ITEMS					\$572,343.10
DETENTION DRAINAGE ITEMS					
1.	18" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	50	\$94.90	\$4,745.00
2.	24" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	192	\$105.35	\$20,227.20
3.	30" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	61	\$120.30	\$7,338.30
4.	42" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING BACKFILL, COMPLETE IN PLACE	LF	85	\$180.95	\$15,380.75
5.	48" R.C.P., ASTM C-76, CLASS III STORM SEWER, ALL CUTS, TO INCLUDE BEDDING & BACKFILL, COMPLETE IN PLACE	LF	2,568	\$211.75	\$543,774.00
6.	BORE AND JACK FOR 48" R.C.P. STORM SEWER, DOES NOT INCLUDE PIPE, COMPLETE IN PLACE	LF	159	\$765.00	\$121,635.00
7.	TRENCH SAFETY SYSTEM, ALL DEPTHS, INCLUDING TRENCH SAFETY FOR STORM SEWER PIPES AND SAFETY END TREATMENTS, COMPLETE IN PLACE	LF	2,797	\$2.50	\$6,992.50
8.	TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOPS, COMPLETE IN PLACE	EA	1	\$2,850.00	\$2,850.00
9.	TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER WITH TYPE "E" INLET TOP, INCLUDES INLET PROTECTION BARRIER, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$4,650.00	\$4,650.00
10.	TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOPS, COMPLETE IN PLACE	EA	9	\$6,095.00	\$54,855.00

* MATHEMATICAL ERROR

BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 DETENTION FACILITIES
 TO SERVE KATY MANOR SOUTH
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS
 NOVEMBER 29, 2018
 LJA ENGINEERING, INC.
 L. MARTINEZ
 NOVEMBER 30, 2018
 1750-3208 (9.2)

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

10) HARRIS CONSTRUCTION COMPANY, LTD.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
11.	TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER WITH TYPE "E" INLET TOP, INCLUDES INLET PROTECTION BARRIER, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	6	\$7,485.00	\$44,910.00
12.	TYPE "E" INLET, INCLUDES INLET PROTECTION BARRIER, ALL SIDES OPEN, ALL DEPTHS, COMPLETE IN PLACE	EA	2	\$4,125.00	\$8,250.00
13.	6'X6' STORM JUNCTION BOX WITH TYPE 'C' MANHOLE TOP, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOPS, COMPLETE IN PLACE	EA	1	\$4,695.00	\$4,695.00
14.	SLUICE GATE FOR 18" R.C.P., INCLUDES ALL NECESSARY FITTINGS AND APPURTENANCES, AS SHOWN ON PLANS, COMPLETE IN PLACE	EA	1	\$5,000.00	\$5,000.00
15.	5" REINFORCED CONCRETE SLOPE PAVING, INCLUDING 2' TOE WALL AROUND EDGES, COMPLETE IN PLACE	SY	375	\$119.25	\$44,718.75
16.	8" BRICK PLUG FOR 24" STORM SEWER, COMPLETE IN PLACE	EA	4	\$325.00	\$1,300.00
17.	8" BRICK PLUG FOR 42" STORM SEWER, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00
18.	8" BRICK PLUG FOR 48" STORM SEWER, COMPLETE IN PLACE	EA	4	\$600.00	\$2,400.00
19.	UTILITY SPOIL TO BE HAULED, SPREAD, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (WITHIN PROJECT LIMITS), COMPLETE IN PLACE	LS	1	\$15,000.00	\$15,000.00
20.	CONCRETE OVERFLOW STRUCTURE (PER DETAIL ON PLAN SHEET), COMPLETE IN PLACE	LS	1	\$21,750.00	\$21,750.00
21.	BREAK INTO EXISTING STORM MANHOLE AND CONNECT PROPOSED 48" STORM SEWER, INCLUDES TEMPORARY BRICK PLUG AND BYPASS PUMPING (AS NEEDED), COMPLETE IN PLACE	EA	1	\$7,500.00	\$7,500.00
22.	DRAINAGE SWALE, PER CONSTRUCTION PLANS, COMPLETE IN PLACE	LF	9,497	\$1.75	\$16,619.75
SUBTOTAL DETENTION DRAINAGE ITEMS					\$955,091.25
MISCELLANEOUS DETENTION ITEMS					
1.	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), INCLUDES EXTRA EXCAVATION, STOCKPILING OF SUITABLE MATERIAL FROM LAKES, HAULING, PLACEMENT AND COMPACTION OF SUITABLE MATERIAL FOR LAKE LINING, COMPLETE IN PLACE	CY	15,994	\$4.00	\$63,976.00
2.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	20	\$9,000.00	\$180,000.00
3.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	20	\$19,000.00	\$380,000.00
4.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF INTERCONNECTS, ALL LINE SIZES AND DEPTHS, 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	250	\$25.00	\$6,250.00

BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 DETENTION FACILITIES
 TO SERVE KATY MANOR SOUTH
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS
 NOVEMBER 29, 2018
 LJA ENGINEERING, INC.
 L. MARTINEZ
 NOVEMBER 30, 2018
 1750-3208 (9.2)

BID OPENING DATE:
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LJA JOB NO.

10) HARRIS CONSTRUCTION COMPANY, LTD.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
5.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS, 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	AC	9.5	\$12,000.00	\$114,000.00
6.	6" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT PONDS, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN PONDS IN LIEU OF OUTFALL BEING CONSTRUCTED (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	600	\$50.00	\$30,000.00
7.	8" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT PONDS, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN PONDS IN LIEU OF OUTFALL BEING CONSTRUCTED (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	300	\$65.00	\$19,500.00
8.	STORMWATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROL AND ALL OTHER ITEMS NOT SPECIFICALLY LISTED, COMPLETE IN PLACE	LS	1	\$1,200.00	\$1,200.00
9.	CONSTRUCT AND MAINTAIN STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00
10.	REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), INCLUDES MAINTENANCE, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	11,638	\$1.30	\$15,129.40
11.	HYDROMULCH SEEDING OF LAKE RESERVE ABOVE SPECIFIED WATER SURFACE ELEVATION PER HCFCO SECTION 02921 (DRY APPLICATION), COMPLETE IN PLACE	AC	5.4	\$3,200.00	\$17,280.00
12.	MOWING OF LAKES AND FILL AREAS (ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	51.5	\$150.00	\$7,725.00
13.	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER HARRIS COUNTY SPECIFICATIONS, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	250	\$10.00	\$2,500.00
14.	CONCRETE TRUCK WASHOUT, INCLUDING INSTALLATION MAINTENANCE AND REMOVAL, COMPLETE IN PLACE	EA	1	\$900.00	\$900.00
15.	OVER EXCAVATION OF UNSUITABLE MATERIAL PRIOR TO FILL PLACEMENT WITHIN FILL AREAS, INCLUDES EXCAVATION, DEMUCKING, AND SPREADING OF UNSUITABLE MATERIAL AND PLACEMENT OF MATERIAL AS FINAL LIFT UPON COMPLETION OF FILL (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	72,500	\$4.00	\$290,000.00
16.	CONTRACTOR SHALL TV & CLEAN PROPOSED STORM SEWER, ALL SIZES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	2,956	\$4.00	\$11,824.00
17.	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	4	\$50.00	\$200.00
18.	REMOVE AND REPLACE EXISTING 5' SIDEWALKS ALONG ABBEY MANOR LANE, COMPLETE IN PLACE	LF	300	\$70.00	\$21,000.00
19.	REMOVE AND REPLACE EXISTING ROADSIDE TREES ALONG ABBEY MANOR LANE, COMPLETE IN PLACE	LF	1	\$10,000.00	\$10,000.00
20.	CHIPPING AND REMOVAL OF MATERIAL, AS DIRECTED BY THE ENGINEER, COMPLETE IN PLACE	LS	1	\$89,500.00	\$89,500.00

BID TABULATION FOR:

CONSTRUCTION OF THE PHASE 1 DETENTION FACILITIES
TO SERVE KATY MANOR SOUTH
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495
CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS
NOVEMBER 29, 2018
LJA ENGINEERING, INC.
L. MARTINEZ
NOVEMBER 30, 2018
1750-3208 (9.2)

10) HARRIS CONSTRUCTION COMPANY, LTD.

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

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
21.	WASTE CONTAINER (10 CY), AS DIRECTED BY THE ENGINEER, IF REQUIRED, COMPLETE IN PLACE	EA	5	\$750.00	\$3,750.00
22.	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$60.00	\$6,000.00
SUBTOTAL MISCELLANEOUS DETENTION ITEMS					\$1,272,734.40
ALTERNATE BID ITEM					
1.	HAUL EXCAVATED MATERIAL FROM PROPOSED POND TO OFFSITE DISPOSAL AREA IN LIEU OF DETENTION EXCAVATION ITEMS 3, COMPLETE IN PLACE	CY	80,463	\$12.00	\$965,556.00
SUBTOTAL ALTERNATE BID ITEM					\$965,556.00
BID SUMMARY					
SUBTOTAL DETENTION EXCAVATION ITEMS					\$572,343.10
SUBTOTAL DETENTION DRAINAGE ITEMS					\$955,091.25
SUBTOTAL MISCELLANEOUS DETENTION ITEMS					\$1,272,734.40
TOTAL AMOUNT BID					\$2,800,168.75
ALTERNATE BID					
TOTAL AMOUNT BID					\$2,800,168.75
DEDUCT DETENTION EXCAVATION ITEM NO.3					(\$108,625.05)
SUBTOTAL ALTERNATE BID ITEM					\$965,556.00
TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEM					\$3,657,099.70

LJA Engineering, Inc.