

BID TABULATION FOR:

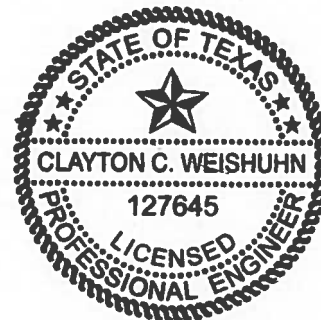
CONSTRUCTION OF THE PHASE 3 DETENTION FACILITIES
 TO SERVE KATY LAKES
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 23, 2020
 LJA ENGINEERING, INC.
 A OTTO
 SEPTEMBER 23, 2020
 2636-0135 (9.2)

BID OPENING DATE:
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 LJA JOB NO.

BIDDER'S NAME	TOTAL AMOUNT BID	BID INCLUDING ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS
1) ALLGOOD CONSTRUCTION CO., INC.	\$1,249,069.98	\$1,799,818.02
2) HARRIS CONSTRUCTION COMPANY, LTD.	\$1,435,752.00	\$2,106,006.50
3) HURTADO CONSTRUCTION COMPANY	\$1,521,593.90	\$2,376,381.16
4) PASKEY, INC.	\$1,529,379.00	\$2,269,370.00
5) COOLEY CONSTRUCTION, LLC	\$1,643,386.21	\$2,413,165.24
6) R CONSTRUCTION CIVIL	\$1,718,286.85	\$2,622,876.30
7) DOUBLE OAK CONSTRUCTION, INC	\$1,800,273.25	\$2,534,108.95
8) BLAZEY CONSTRUCTION SERVICES LLC	\$1,844,467.40	\$2,976,761.18
9) LONNIE LISCHKA COMPANY, LP	\$1,983,142.85	\$2,681,162.95
10) LINDSEY CONSTRUCTION, INC.	\$2,060,664.00	\$2,985,510.04
11) EARTH BUILDERS, L.P.	\$2,108,745.00	\$3,077,888.00
12) LONGHORN EXCAVATORS, INC.	\$2,269,746.87	\$3,306,276.81

CALENDAR DAYS 100/200

LJA Engineering, Inc.



9/23/2020

I, Clayton Weishuhn, PE, hereby certify these bid tabulations to be true and correct.

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ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
EXCAVATION ITEMS									
1	EXCAVATION OF DETENTION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	49807	\$1.24	\$61,760.68	\$1.10	\$54,787.70	\$1.34	\$66,741.38
2	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DETENTION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	49807	\$1.40	\$69,729.80	\$1.10	\$54,787.70	\$2.34	\$116,548.38
3	EXCAVATION OF DRAINAGE MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	118295	\$1.24	\$146,685.80	\$1.10	\$130,124.50	\$1.12	\$132,490.40
4	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DRAINAGE MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	118295	\$1.40	\$165,613.00	\$1.10	\$130,124.50	\$2.40	\$283,908.00
5	EXCAVATION OF FLOODPLAIN MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$1.24	\$4,201.12	\$1.10	\$3,726.80	\$2.12	\$7,182.56
6	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED FLOODPLAIN MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$1.40	\$4,743.20	\$1.10	\$3,726.80	\$2.44	\$8,266.72
7	EXCAVATION OF AMENITY MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	128365	\$1.24	\$159,172.60	\$1.10	\$141,201.50	\$1.34	\$172,009.10
8	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED AMENITY MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	128365	\$1.40	\$179,711.00	\$1.10	\$141,201.50	\$2.00	\$256,730.00
9	EXCAVATION AND GRADING OF TEMPORARY OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 2' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	724	\$2.97	\$2,150.28	\$4.00	\$2,896.00	\$5.30	\$3,837.20
10	EXCAVATION AND GRADING OF DRAINAGE SWALES, 3:1 MAXIMUM SIDE SLOPE - V-BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	3043	\$2.97	\$9,037.71	\$2.50	\$7,607.50	\$3.88	\$11,806.84
EXCAVATION ITEMS SUBTOTAL:					\$802,805.19		\$670,184.50		\$1,059,520.58
DETENTION DRAINAGE ITEMS									
1	6' X 4' REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	675	\$441.39	\$297,938.25	\$422.00	\$284,850.00	\$398.00	\$268,650.00
2	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	675	\$1.15	\$776.25	\$6.00	\$4,050.00	\$1.00	\$675.00
3	STORM JUNCTION BOX WITH TYPE "C" MANHOLE TOP FOR 3-6'X4' RCB, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOP, COMPLETE IN PLACE	EA	1	\$8,262.75	\$8,262.75	\$8,650.00	\$8,650.00	\$28,000.00	\$28,000.00

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ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$9,200.00	\$9,200.00	\$5,000.00	\$5,000.00	\$800.00	\$800.00
5	CONSTRUCTION AND REMOVAL OF TEMPORARY COFFER DAM FOR THE CONSTRUCTION OF 3-6' X 4' RCB STORM SEWER UPSTREAM OUTFALL, INCLUDES DEWATERING AND ALL APPURTENANCES, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	1	\$4,025.00	\$4,025.00	\$3,000.00	\$3,000.00	\$2,800.00	\$2,800.00
6	OUTFALL SLOPE PROTECTION FOR 3-6'X4' RCB STORM SEWER, INCLUDES 5" REINFORCED CONCRETE SLOPE PAVING AND 3' TOE WALLS, COMPLETE IN PLACE	SY	64	\$109.25	\$6,992.00	\$125.00	\$8,000.00	\$106.00	\$6,784.00
7	CONSTRUCTION OF ADDITIONAL HEADWALL AT KATY LAKES OUTFALL INTO SOUTH MAYDE CREEK, INCLUDES BREAKING INTO EXISTING CONCRETE, PROPOSED CONCRETE, PROPOSED STEEL, AND TYING STEEL INTO EXISTING HEADWALL, COMPLETE IN PLACE	LS	1	\$5,750.00	\$5,750.00	\$6,250.00	\$6,250.00	\$5,800.00	\$5,800.00
8	REMOVE AND OFFSITE DISPOSAL OF EXISTING PLY WOOD AND MISCELLANEOUS DEBRIS FROM FLOATABLES COLLECTION SCREEN AT LAKE 4 OUTFALL, COMPLETE IN PLACE	LS	1	\$575.00	\$575.00	\$5,000.00	\$5,000.00	\$1,800.00	\$1,800.00
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING 36" STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$575.00	\$575.00	\$1,500.00	\$1,500.00	\$1,800.00	\$1,800.00
10	REMOVE AND OFFSITE DISPOSAL OF EXISTING SLUICE GATE, COMPLETE IN PLACE	LS	1	\$230.00	\$230.00	\$2,400.00	\$2,400.00	\$800.00	\$800.00
11	CONCRETE OVERFLOW SWALE (PER HCFCD DETAILS ON SHEETS 13 & 20 OF PLANS), COMPLETE IN PLACE	LS	1	\$17,250.00	\$17,250.00	\$22,500.00	\$22,500.00	\$12,000.00	\$12,000.00
DETENTION DRAINAGE ITEMS SUBTOTAL:					\$351,574.25		\$351,200.00		\$329,909.00
MISCELLANEOUS ITEMS									
1	REMOVE, DISPOSE, AND REPLACE 5" CONCRETE PAVING ON EXIST. OVERFLOW WEIR FOR CONSTRUCTION OF RETENTION STRUCTURE ON SHEET 12 OF CONSTRUCTION PLANS, COMPLETE IN PLACE	SY	23	\$172.50	\$3,967.50	\$225.00	\$5,175.00	\$16.00	\$368.00
2	12" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS & BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	41	\$57.50	\$2,357.50	\$90.00	\$3,690.00	\$80.00	\$3,280.00
3	12" AWWA GATE VALVE AND BOX FOR RETENTION STRUCTURE, COMPLETE IN PLACE	EA	1	\$2,185.00	\$2,185.00	\$2,400.00	\$2,400.00	\$1,600.00	\$1,600.00
4	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	SY	67984	\$0.01	\$679.84	\$2.50	\$169,960.00	\$0.18	\$12,237.12
5	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12" TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	8	\$0.01	\$0.08	\$200.00	\$1,600.00	\$1,828.00	\$14,624.00
6	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24" TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	4	\$0.01	\$0.04	\$300.00	\$1,200.00	\$3,000.00	\$12,000.00
7	GROUND WATER CONTROL (DEWATERING) TO COMPLETE THE CONSTRUCTION OF LAKE, CHANNEL, OR POND, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	18	\$0.01	\$0.18	\$500.00	\$9,000.00	\$1.00	\$18.00

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ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8	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 ENGINEER), COMPLETE IN PLACE	CY	40000	\$0.01	\$400.00	\$1.50	\$60,000.00	\$0.24	\$9,600.00
9	SURFACE PUMPING STORMWATER, 6" PUMP, AS NECESSARY TO CONSTRUCT DETENTION POND, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	HR	800	\$21.60	\$17,280.00	\$60.00	\$48,000.00	\$20.00	\$16,000.00
10	SURFACE PUMPING STORMWATER, 8" PUMP, AS NECESSARY TO CONSTRUCT DETENTION POND, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	HR	400	\$10.80	\$4,320.00	\$100.00	\$40,000.00	\$25.00	\$10,000.00
11	HYDROMULCH SEEDING AND FINE GRADING, INCLUDES WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	11	\$1,728.00	\$19,008.00	\$2,400.00	\$26,400.00	\$2,800.00	\$30,800.00
12	CLEARING AND GRUBBING, INCLUDES ROOT RAKING AND BACK DRAGGING, AND OFFSITE DISPOSAL OF CLEARED AND GRUBBED MATERIAL, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	3	\$2,700.00	\$8,100.00	\$2,000.00	\$6,000.00	\$4,384.80	\$13,154.40
13	EXTRA COST OF WET SAND CONSTRUCTION, ALL LINES AND DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$10.00	\$1,000.00	\$1.00	\$100.00
14	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$1,296.00	\$1,296.00	\$500.00	\$500.00	\$800.00	\$800.00
15	INSTALL, MAINTAIN, AND REMOVE REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	16955	\$1.08	\$18,311.40	\$1.50	\$25,432.50	\$0.08	\$1,356.40
16	INSTALL, MAINTAIN, AND REMOVE ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	2	\$2,160.00	\$4,320.00	\$2,000.00	\$4,000.00	\$888.00	\$1,776.00
17	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$4,320.00	\$4,320.00	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00
18	INSTALL, MAINTAIN, AND REMOVE CONCRETE WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$810.00	\$810.00	\$1,000.00	\$1,000.00	\$888.00	\$888.00
19	REMOVE AND OFFSITE DISPOSAL OF OF BARB WIRE FENCE, COMPLETE IN PLACE	LF	2000	\$1.08	\$2,160.00	\$1.00	\$2,000.00	\$0.50	\$1,000.00
20	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	5	\$54.00	\$270.00	\$50.00	\$250.00	\$2.00	\$10.00
21	INSTALL, MAINTAIN, AND REMOVE ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	1	\$2,160.00	\$2,160.00	\$2,000.00	\$2,000.00	\$200.00	\$200.00
22	REMOVE AND DISPOSE OF 6" CRUSHED CONCRETE DRIVEWAY FROM EDGE OF CATRON CROSSING TO EDGE OF LIFT STATION PAVEMENT, COMPLETE IN PLACE	SY	230	\$11.50	\$2,645.00	\$12.00	\$2,760.00	\$5.88	\$1,352.40
MISCELLANEOUS ITEMS SUBTOTAL:					\$94,690.54		\$414,367.50		\$132,164.32

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ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS									
1	EXCAVATION OF DETENTION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	58112	\$1.24	\$72,058.88	\$1.25	\$72,640.00	\$1.68	\$97,628.16
2	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DETENTION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	58112	\$1.40	\$81,356.80	\$1.25	\$72,640.00	\$3.21	\$186,539.52
3	EXCAVATION OF DRAINAGE MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	67692	\$1.24	\$83,938.08	\$1.25	\$84,615.00	\$1.38	\$93,414.96
4	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DRAINAGE MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	67692	\$1.40	\$94,768.80	\$1.25	\$84,615.00	\$2.83	\$191,568.36
5	EXCAVATION OF FLOODPLAIN MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$1.24	\$4,201.12	\$1.25	\$4,235.00	\$3.38	\$11,451.44
6	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED FLOODPLAIN MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$1.40	\$4,743.20	\$1.25	\$4,235.00	\$1.68	\$5,691.84
7	EXCAVATION OF AMENITY MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	32314	\$1.24	\$40,069.36	\$1.25	\$40,392.50	\$1.98	\$63,981.72
8	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED AMENITY MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	32314	\$1.40	\$45,239.60	\$1.50	\$48,471.00	\$3.08	\$99,527.12
9	EXCAVATION AND GRADING OF OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 6' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	2525	\$2.97	\$7,499.25	\$2.50	\$6,312.50	\$2.48	\$6,262.00
10	EXCAVATION AND GRADING OF OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 10' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	231	\$2.97	\$686.07	\$6.00	\$1,386.00	\$4.00	\$924.00
11	EXCAVATION AND GRADING OF OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 12' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	980	\$2.97	\$2,910.60	\$8.50	\$8,330.00	\$3.88	\$3,802.40
12	EXCAVATION AND GRADING OF TEMPORARY DRAINAGE SWALES WITHIN POND A, 3:1 SIDE SLOPE - V-BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	1070	\$2.97	\$3,177.90	\$2.50	\$2,675.00	\$2.48	\$2,653.60
13	36" CORRUGATED GALVANIZED METAL PIPE, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	249	\$84.66	\$21,080.34	\$100.00	\$24,900.00	\$72.00	\$17,928.00
14	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	249	\$1.15	\$286.35	\$6.00	\$1,494.00	\$1.00	\$249.00

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1) ALLGOOD CONSTRUCTION CO., INC. 2) HARRIS CONSTRUCTION COMPANY, LTD. 3) HURTADO CONSTRUCTION COMPANY

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
15	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$1,150.00	\$1,150.00	\$2,000.00	\$2,000.00	\$88.00	\$88.00
16	OUTFALL SLOPE PROTECTION FOR 36" CGMP STORM SEWER, INCLUDES 5" REINFORCED CONCRETE SLOPE PAVING AND 3' TOE WALLS, COMPLETE IN PLACE	SY	43	\$109.25	\$4,697.75	\$125.00	\$5,375.00	\$78.00	\$3,354.00
17	CONSTRUCTION AND REMOVAL OF TEMPORARY COFFER DAM FOR THE CONSTRUCTION OF 2-36" CGMP STORM SEWER OUTFALLS, INCLUDES DEWATERING AND ALL APPURTENANCES (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	2	\$2,300.00	\$4,600.00	\$2,500.00	\$5,000.00	\$1,800.00	\$3,600.00
18	18" CONCRETE RIP RAP FOR 2-36" CGMP STORM SEWER OUTFALLS INTO SOUTH MAYDE CREEK AND 12' BOTTOM WIDTH OVERFLOW SWALE, INCLUDES GEOTEXTILE FABRIC, COMPLETE IN PLACE	SY	232	\$74.75	\$17,342.00	\$98.00	\$22,736.00	\$68.00	\$15,776.00
19	CONSTRUCT TEMPORARY LOW WATER CROSSING TO HAUL CUT FROM POND A ACROSS SOUTH MAYDE CREEK, TO INCLUDE DUAL 30" HDPE OR RCP. STM. CONTRACTOR RESPONSIBLE FOR REMOVAL AND REPLACEMENT DURING RAIN EVENTS AND RESPONSIBLE FOR REMOVAL UPON PROJECT COMPLETION, COMPLETE IN PLACE	LS	1	\$10,800.00	\$10,800.00	\$15,000.00	\$15,000.00	\$2,800.00	\$2,800.00
20	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	SY	17684	\$0.01	\$176.84	\$2.50	\$44,210.00	\$0.21	\$3,713.64
21	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 ENGINEER), COMPLETE IN PLACE	CY	40000	\$0.01	\$400.00	\$1.50	\$60,000.00	\$0.24	\$9,600.00
22	BROADCAST SEEDING, INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	27	\$648.00	\$17,496.00	\$850.00	\$22,950.00	\$328.00	\$8,856.00
23	HYDROMULCH SEEDING AND FINE GRADING, INCLUDES WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	5	\$1,728.00	\$8,640.00	\$2,000.00	\$10,000.00	\$2,800.00	\$14,000.00
24	CLEARING AND GRUBBING, INCLUDES ROOT RAKING AND BACK DRAGGING, AND OFFSITE DISPOSAL OF CLEARED AND GRUBBED MATERIAL, AS WELL AS ADDITIONAL DEBRIS WITHIN CLEARING AREA, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	4	\$2,700.00	\$10,800.00	\$2,000.00	\$8,000.00	\$1,188.00	\$4,752.00
25	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$1,296.00	\$1,296.00	\$500.00	\$500.00	\$800.00	\$800.00
26	INSTALL, MAINTAIN, AND REMOVE REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	5695	\$1.08	\$6,150.60	\$1.50	\$8,542.50	\$0.90	\$5,125.50
27	REMOVE AND DISPOSE OF EXISTING OVERHEAD ELECTRIC POWER POLES (2), COMPLETE IN PLACE	LS	1	\$862.50	\$862.50	\$5,000.00	\$5,000.00	\$300.00	\$300.00
28	INSTALL, MAINTAIN, AND REMOVE ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	2	\$2,160.00	\$4,320.00	\$2,000.00	\$4,000.00	\$200.00	\$400.00
ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS SUBTOTAL:					\$550,748.04		\$670,254.50		\$854,787.26
<u>BIDDING SUMMARY</u>									
SUBTOTAL EXCAVATION ITEMS					\$802,805.19		\$670,184.50		\$1,059,520.58
SUBTOTAL DETENTION DRAINAGE ITEMS					\$351,574.25		\$351,200.00		\$329,909.00
SUBTOTAL MISCELLANEOUS ITEMS					\$94,690.54		\$414,367.50		\$132,164.32
TOTAL AMOUNT BASE BID					\$1,249,069.98		\$1,435,752.00		\$1,521,593.90

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LJA JOB NO.

CONSTRUCTION OF THE PHASE 3 DETENTION FACILITIES
 TO SERVE KATY LAKES
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 23, 2020
 LJA ENGINEERING, INC.
 A.OTTO
 SEPTEMBER 23, 2020
 2636-0135 (9.2)

1) ALLGOOD CONSTRUCTION CO., INC. 2) HARRIS CONSTRUCTION COMPANY, LTD. 3) HURTADO CONSTRUCTION COMPANY

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<u>ALTERNATE EXCAVATION</u>									
	TOTAL AMOUNT BASE BID				\$1,249,069.98		\$1,435,752.00		\$1,521,593.90
	SUBTOTAL ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS				\$550,748.04		\$670,254.50		\$854,787.26
	TOTAL AMOUNT INCLUDING ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS				\$1,799,818.02		\$2,106,006.50		\$2,376,381.16

LJA Engineering, Inc.

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4) PASKEY, INC.

5) COOLEY CONSTRUCTION, LLC

6) R CONSTRUCTION CIVIL

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
EXCAVATION ITEMS									
1	EXCAVATION OF DETENTION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	49807	\$2.79	\$138,961.53	\$1.50	\$74,710.50	\$2.00	\$99,614.00
2	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DETENTION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	49807	\$0.48	\$23,907.36	\$1.83	\$91,146.81	\$1.30	\$64,749.10
3	EXCAVATION OF DRAINAGE MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	118295	\$2.79	\$330,043.05	\$1.50	\$177,442.50	\$2.00	\$236,590.00
4	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DRAINAGE MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	118295	\$0.48	\$56,781.60	\$1.83	\$216,479.85	\$1.30	\$153,783.50
5	EXCAVATION OF FLOODPLAIN MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$2.79	\$9,452.52	\$1.50	\$5,082.00	\$2.00	\$6,776.00
6	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED FLOODPLAIN MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$0.48	\$1,626.24	\$1.83	\$6,200.04	\$1.30	\$4,404.40
7	EXCAVATION OF AMENITY MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	128365	\$2.79	\$358,138.35	\$1.50	\$192,547.50	\$2.00	\$256,730.00
8	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED AMENITY MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	128365	\$0.48	\$61,615.20	\$1.83	\$234,907.95	\$1.30	\$166,874.50
9	EXCAVATION AND GRADING OF TEMPORARY OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 2' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	724	\$9.47	\$6,856.28	\$3.33	\$2,410.92	\$4.00	\$2,896.00
10	EXCAVATION AND GRADING OF DRAINAGE SWALES, 3:1 MAXIMUM SIDE SLOPE - V-BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	3043	\$3.16	\$9,615.88	\$3.33	\$10,133.19	\$4.00	\$12,172.00
EXCAVATION ITEMS SUBTOTAL:					\$996,998.01		\$1,011,061.26		\$1,004,589.50
DETENTION DRAINAGE ITEMS									
1	6' X 4' REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	675	\$453.92	\$306,396.00	\$400.00	\$270,000.00	\$400.00	\$270,000.00
2	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	675	\$0.03	\$20.25	\$1.00	\$675.00	\$0.05	\$33.75
3	STORM JUNCTION BOX WITH TYPE "C" MANHOLE TOP FOR 3-6'X4' RCB, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOP, COMPLETE IN PLACE	EA	1	\$9,177.85	\$9,177.85	\$25,000.00	\$25,000.00	\$12,000.00	\$12,000.00

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 TO SERVE KATY LAKES
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 23, 2020
 LJA ENGINEERING, INC.
 A.OTTO
 SEPTEMBER 23, 2020
 2636-0135 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) PASKEY, INC.		5) COOLEY CONSTRUCTION, LLC		6) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$7,219.91	\$7,219.91	\$1.00	\$1.00	\$10,000.00	\$10,000.00
5	CONSTRUCTION AND REMOVAL OF TEMPORARY COFFER DAM FOR THE CONSTRUCTION OF 3-6' X 4' RCB STORM SEWER UPSTREAM OUTFALL, INCLUDES DEWATERING AND ALL APPURTENANCES, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	1	\$1,379.00	\$1,379.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
6	OUTFALL SLOPE PROTECTION FOR 3-6'X4' RCB STORM SEWER, INCLUDES 5" REINFORCED CONCRETE SLOPE PAVING AND 3' TOE WALLS, COMPLETE IN PLACE	SY	64	\$164.96	\$10,557.44	\$90.00	\$5,760.00	\$100.00	\$6,400.00
7	CONSTRUCTION OF ADDITIONAL HEADWALL AT KATY LAKES OUTFALL INTO SOUTH MAYDE CREEK, INCLUDES BREAKING INTO EXISTING CONCRETE, PROPOSED CONCRETE, PROPOSED STEEL, AND TYING STEEL INTO EXISTING HEADWALL, COMPLETE IN PLACE	LS	1	\$1,200.00	\$1,200.00	\$25,000.00	\$25,000.00	\$10,000.00	\$10,000.00
8	REMOVE AND OFFSITE DISPOSAL OF EXISTING PLY WOOD AND MISCELLANEOUS DEBRIS FROM FLOATABLES COLLECTION SCREEN AT LAKE 4 OUTFALL, COMPLETE IN PLACE	LS	1	\$1,930.00	\$1,930.00	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING 36" STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$300.00	\$300.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00
10	REMOVE AND OFFSITE DISPOSAL OF EXISTING SLUICE GATE, COMPLETE IN PLACE	LS	1	\$100.00	\$100.00	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00
11	CONCRETE OVERFLOW SWALE (PER HCFCD DETAILS ON SHEETS 13 & 20 OF PLANS), COMPLETE IN PLACE	LS	1	\$15,746.34	\$15,746.34	\$16,500.00	\$16,500.00	\$35,000.00	\$35,000.00
DETENTION DRAINAGE ITEMS SUBTOTAL:					\$354,026.79		\$359,936.00		\$360,433.75
MISCELLANEOUS ITEMS									
1	REMOVE, DISPOSE, AND REPLACE 5" CONCRETE PAVING ON EXIST. OVERFLOW WEIR FOR CONSTRUCTION OF RETENTION STRUCTURE ON SHEET 12 OF CONSTRUCTION PLANS, COMPLETE IN PLACE	SY	23	\$189.70	\$4,363.10	\$140.00	\$3,220.00	\$175.00	\$4,025.00
2	12" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS & BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	41	\$69.14	\$2,834.74	\$40.00	\$1,640.00	\$60.00	\$2,460.00
3	12" AWWA GATE VALVE AND BOX FOR RETENTION STRUCTURE, COMPLETE IN PLACE	EA	1	\$2,728.55	\$2,728.55	\$5,500.00	\$5,500.00	\$2,500.00	\$2,500.00
4	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	SY	67984	\$0.54	\$36,711.36	\$2.05	\$139,367.20	\$1.65	\$112,173.60
5	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12" TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	8	\$625.00	\$5,000.00	\$250.00	\$2,000.00	\$300.00	\$2,400.00
6	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24" TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	4	\$1,250.00	\$5,000.00	\$375.00	\$1,500.00	\$400.00	\$1,600.00
7	GROUND WATER CONTROL (DEWATERING) TO COMPLETE THE CONSTRUCTION OF LAKE, CHANNEL, OR POND, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	18	\$99.00	\$1,782.00	\$1.00	\$18.00	\$3,000.00	\$54,000.00

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 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538
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ITEM	DESCRIPTION	UNIT	QTY	4) PASKEY, INC.		5) COOLEY CONSTRUCTION, LLC		6) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8	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 ENGINEER), COMPLETE IN PLACE	CY	40000	\$0.79	\$31,600.00	\$1.55	\$62,000.00	\$2.00	\$80,000.00
9	SURFACE PUMPING STORMWATER, 6" PUMP, AS NECESSARY TO CONSTRUCT DETENTION POND, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	HR	800	\$21.00	\$16,800.00	\$1.00	\$800.00	\$30.00	\$24,000.00
10	SURFACE PUMPING STORMWATER, 8" PUMP, AS NECESSARY TO CONSTRUCT DETENTION POND, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	HR	400	\$21.00	\$8,400.00	\$1.00	\$400.00	\$40.00	\$16,000.00
11	HYDROMULCH SEEDING AND FINE GRADING, INCLUDES WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	11	\$1,754.50	\$19,299.50	\$1,300.00	\$14,300.00	\$1,100.00	\$12,100.00
12	CLEARING AND GRUBBING, INCLUDES ROOT RAKING AND BACK DRAGGING, AND OFFSITE DISPOSAL OF CLEARED AND GRUBBED MATERIAL, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	3	\$6,800.00	\$20,400.00	\$750.00	\$2,250.00	\$3,000.00	\$9,000.00
13	EXTRA COST OF WET SAND CONSTRUCTION, ALL LINES AND DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	100	\$19.99	\$1,999.00	\$10.00	\$1,000.00	\$10.00	\$1,000.00
14	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$973.00	\$973.00	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00
15	INSTALL, MAINTAIN, AND REMOVE REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	16955	\$0.27	\$4,577.85	\$1.25	\$21,193.75	\$1.00	\$16,955.00
16	INSTALL, MAINTAIN, AND REMOVE ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	2	\$1,694.00	\$3,388.00	\$1,500.00	\$3,000.00	\$2,000.00	\$4,000.00
17	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$3,739.00	\$3,739.00	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00
18	INSTALL, MAINTAIN, AND REMOVE CONCRETE WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$95.00	\$95.00	\$900.00	\$900.00	\$500.00	\$500.00
19	REMOVE AND OFFSITE DISPOSAL OF OF BARB WIRE FENCE, COMPLETE IN PLACE	LF	2000	\$1.51	\$3,020.00	\$1.00	\$2,000.00	\$1.50	\$3,000.00
20	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	5	\$23.00	\$115.00	\$100.00	\$500.00	\$50.00	\$250.00
21	INSTALL, MAINTAIN, AND REMOVE ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	1	\$1,694.00	\$1,694.00	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00
22	REMOVE AND DISPOSE OF 6" CRUSHED CONCRETE DRIVEWAY FROM EDGE OF CATRON CROSSING TO EDGE OF LIFT STATION PAVEMENT, COMPLETE IN PLACE	SY	230	\$16.67	\$3,834.10	\$10.00	\$2,300.00	\$10.00	\$2,300.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$178,354.20		\$272,388.95		\$353,263.60

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS									
1	EXCAVATION OF DETENTION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	58112	\$2.81	\$163,294.72	\$1.50	\$87,168.00	\$2.00	\$116,224.00
2	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DETENTION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	58112	\$0.48	\$27,893.76	\$1.83	\$106,344.96	\$2.00	\$116,224.00
3	EXCAVATION OF DRAINAGE MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	67692	\$2.81	\$190,214.52	\$1.50	\$101,538.00	\$1.75	\$118,461.00
4	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DRAINAGE MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	67692	\$0.48	\$32,492.16	\$1.83	\$123,876.36	\$1.75	\$118,461.00
5	EXCAVATION OF FLOODPLAIN MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$2.81	\$9,520.28	\$1.50	\$5,082.00	\$1.75	\$5,929.00
6	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED FLOODPLAIN MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$0.48	\$1,626.24	\$1.83	\$6,200.04	\$1.75	\$5,929.00
7	EXCAVATION OF AMENITY MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	32314	\$2.81	\$90,802.34	\$1.50	\$48,471.00	\$1.75	\$56,549.50
8	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED AMENITY MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	32314	\$0.48	\$15,510.72	\$1.83	\$59,134.62	\$1.75	\$56,549.50
9	EXCAVATION AND GRADING OF OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 6' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	2525	\$14.63	\$36,940.75	\$6.00	\$15,150.00	\$3.00	\$7,575.00
10	EXCAVATION AND GRADING OF OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 10' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	231	\$6.94	\$1,603.14	\$10.00	\$2,310.00	\$3.00	\$693.00
11	EXCAVATION AND GRADING OF OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 12' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	980	\$25.38	\$24,872.40	\$12.00	\$11,760.00	\$4.00	\$3,920.00
12	EXCAVATION AND GRADING OF TEMPORARY DRAINAGE SWALES WITHIN POND A, 3:1 SIDE SLOPE - V-BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	1070	\$0.06	\$64.20	\$3.33	\$3,563.10	\$3.00	\$3,210.00
13	36" CORRUGATED GALVANIZED METAL PIPE, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	249	\$97.62	\$24,307.38	\$70.00	\$17,430.00	\$95.00	\$23,655.00
14	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	249	\$0.03	\$7.47	\$1.00	\$249.00	\$0.05	\$12.45

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CONSTRUCTION OF THE PHASE 3 DETENTION FACILITIES
 TO SERVE KATY LAKES
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 23, 2020
 LJA ENGINEERING, INC.
 A.OTTO
 SEPTEMBER 23, 2020
 2636-0135 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) PASKEY, INC.		5) COOLEY CONSTRUCTION, LLC		6) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
15	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$416.97	\$416.97	\$1.00	\$1.00	\$7,500.00	\$7,500.00
16	OUTFALL SLOPE PROTECTION FOR 36" CGMP STORM SEWER, INCLUDES 5" REINFORCED CONCRETE SLOPE PAVING AND 3' TOE WALLS, COMPLETE IN PLACE	SY	43	\$167.96	\$7,222.28	\$90.00	\$3,870.00	\$95.00	\$4,085.00
17	CONSTRUCTION AND REMOVAL OF TEMPORARY COFFER DAM FOR THE CONSTRUCTION OF 2-36" CGMP STORM SEWER OUTFALLS, INCLUDES DEWATERING AND ALL APPURTENANCES (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	2	\$379.00	\$758.00	\$2,000.00	\$4,000.00	\$10,000.00	\$20,000.00
18	18" CONCRETE RIP RAP FOR 2-36" CGMP STORM SEWER OUTFALLS INTO SOUTH MAYDE CREEK AND 12' BOTTOM WIDTH OVERFLOW SWALE, INCLUDES GEOTEXTILE FABRIC, COMPLETE IN PLACE	SY	232	\$69.31	\$16,079.92	\$80.00	\$18,560.00	\$85.00	\$19,720.00
19	CONSTRUCT TEMPORARY LOW WATER CROSSING TO HAUL CUT FROM POND A ACROSS SOUTH MAYDE CREEK, TO INCLUDE DUAL 30" HDPE OR RCP. STM. CONTRACTOR RESPONSIBLE FOR REMOVAL AND REPLACEMENT DURING RAIN EVENTS AND RESPONSIBLE FOR REMOVAL UPON PROJECT COMPLETION, COMPLETE IN PLACE	LS	1	\$11,125.74	\$11,125.74	\$14,000.00	\$14,000.00	\$50,000.00	\$50,000.00
20	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	SY	17684	\$0.54	\$9,549.36	\$2.05	\$36,252.20	\$1.75	\$30,947.00
21	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 ENGINEER), COMPLETE IN PLACE	CY	40000	\$0.79	\$31,600.00	\$1.55	\$62,000.00	\$2.00	\$80,000.00
22	BROADCAST SEEDING, INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	27	\$67.50	\$1,822.50	\$600.00	\$16,200.00	\$350.00	\$9,450.00
23	HYDROMULCH SEEDING AND FINE GRADING, INCLUDES WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	5	\$1,754.50	\$8,772.50	\$1,300.00	\$6,500.00	\$1,100.00	\$5,500.00
24	CLEARING AND GRUBBING, INCLUDES ROOT RAKING AND BACK DRAGGING, AND OFFSITE DISPOSAL OF CLEARED AND GRUBBED MATERIAL, AS WELL AS ADDITIONAL DEBRIS WITHIN CLEARING AREA, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	4	\$6,800.00	\$27,200.00	\$750.00	\$3,000.00	\$6,200.00	\$24,800.00
25	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$973.00	\$973.00	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00
26	INSTALL, MAINTAIN, AND REMOVE REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	5695	\$0.27	\$1,537.65	\$1.25	\$7,118.75	\$1.00	\$5,695.00
27	REMOVE AND DISPOSE OF EXISTING OVERHEAD ELECTRIC POWER POLES (2), COMPLETE IN PLACE	LS	1	\$395.00	\$395.00	\$2,000.00	\$2,000.00	\$7,500.00	\$7,500.00
28	INSTALL, MAINTAIN, AND REMOVE ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	2	\$1,694.00	\$3,388.00	\$2,500.00	\$5,000.00	\$2,000.00	\$4,000.00
ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS SUBTOTAL:					\$739,991.00		\$769,779.03		\$904,589.45
<u>BIDDING SUMMARY</u>									
SUBTOTAL EXCAVATION ITEMS					\$996,998.01		\$1,011,061.26		\$1,004,589.50
SUBTOTAL DETENTION DRAINAGE ITEMS					\$354,026.79		\$359,936.00		\$360,433.75
SUBTOTAL MISCELLANEOUS ITEMS					\$178,354.20		\$272,388.95		\$353,263.60
TOTAL AMOUNT BASE BID					\$1,529,379.00		\$1,643,386.21		\$1,718,286.85

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 TO SERVE KATY LAKES
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 23, 2020
 LJA ENGINEERING, INC.
 A.OTTO
 SEPTEMBER 23, 2020
 2636-0135 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	4) PASKEY, INC.		5) COOLEY CONSTRUCTION, LLC		6) R CONSTRUCTION CIVIL	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<u>ALTERNATE EXCAVATION</u>									
TOTAL AMOUNT BASE BID						\$1,529,379.00		\$1,643,386.21	\$1,718,286.85
SUBTOTAL ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS						\$739,991.00		\$769,779.03	\$904,589.45
TOTAL AMOUNT INCLUDING ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS						\$2,269,370.00		\$2,413,165.24	\$2,622,876.30

LJA Engineering, Inc.

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7) DOUBLE OAK CONSTRUCTION, INC 8) BLAZEY CONSTRUCTION SERVICES LLC 9) LONNIE LISCHKA COMPANY, LP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
EXCAVATION ITEMS									
1	EXCAVATION OF DETENTION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	49807	\$2.90	\$144,440.30	\$1.72	\$85,668.04	\$1.00	\$49,807.00
2	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DETENTION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	49807	\$0.30	\$14,942.10	\$1.61	\$80,189.27	\$2.75	\$136,969.25
3	EXCAVATION OF DRAINAGE MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	118295	\$2.90	\$343,055.50	\$1.72	\$203,467.40	\$1.00	\$118,295.00
4	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DRAINAGE MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	118295	\$0.30	\$35,488.50	\$1.61	\$190,454.95	\$2.75	\$325,311.25
5	EXCAVATION OF FLOODPLAIN MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$2.90	\$9,825.20	\$1.72	\$5,827.36	\$1.00	\$3,388.00
6	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED FLOODPLAIN MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$0.30	\$1,016.40	\$1.61	\$5,454.68	\$2.75	\$9,317.00
7	EXCAVATION OF AMENITY MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	128365	\$2.90	\$372,258.50	\$1.72	\$220,787.80	\$1.00	\$128,365.00
8	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED AMENITY MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	128365	\$0.30	\$38,509.50	\$1.61	\$206,667.65	\$2.75	\$353,003.75
9	EXCAVATION AND GRADING OF TEMPORARY OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 2' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	724	\$3.60	\$2,606.40	\$5.55	\$4,018.20	\$3.00	\$2,172.00
10	EXCAVATION AND GRADING OF DRAINAGE SWALES, 3:1 MAXIMUM SIDE SLOPE - V-BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	3043	\$3.00	\$9,129.00	\$5.55	\$16,888.65	\$2.50	\$7,607.50
EXCAVATION ITEMS SUBTOTAL:					\$971,271.40		\$1,019,424.00		\$1,134,235.75
DETENTION DRAINAGE ITEMS									
1	6' X 4' REINFORCED CONCRETE BOX CULVERT, ASTM C-1433, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	675	\$440.00	\$297,000.00	\$475.00	\$320,625.00	\$416.40	\$281,070.00
2	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	675	\$1.25	\$843.75	\$2.69	\$1,815.75	\$1.00	\$675.00
3	STORM JUNCTION BOX WITH TYPE "C" MANHOLE TOP FOR 3-6'X4' RCB, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOP, COMPLETE IN PLACE	EA	1	\$117,000.00	\$117,000.00	\$9,445.00	\$9,445.00	\$26,250.00	\$26,250.00

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 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538
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7) DOUBLE OAK CONSTRUCTION, INC 8) BLAZEY CONSTRUCTION SERVICES LLC 9) LONNIE LISCHKA COMPANY, LP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$6,050.00	\$6,050.00	\$2,486.00	\$2,486.00	\$5,000.00	\$5,000.00
5	CONSTRUCTION AND REMOVAL OF TEMPORARY COFFER DAM FOR THE CONSTRUCTION OF 3-6' X 4' RCB STORM SEWER UPSTREAM OUTFALL, INCLUDES DEWATERING AND ALL APPURTENANCES, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	1	\$8,350.00	\$8,350.00	\$13,992.00	\$13,992.00	\$10,000.00	\$10,000.00
6	OUTFALL SLOPE PROTECTION FOR 3-6'X4' RCB STORM SEWER, INCLUDES 5" REINFORCED CONCRETE SLOPE PAVING AND 3' TOE WALLS, COMPLETE IN PLACE	SY	64	\$110.00	\$7,040.00	\$72.00	\$4,608.00	\$82.00	\$5,248.00
7	CONSTRUCTION OF ADDITIONAL HEADWALL AT KATY LAKES OUTFALL INTO SOUTH MAYDE CREEK, INCLUDES BREAKING INTO EXISTING CONCRETE, PROPOSED CONCRETE, PROPOSED STEEL, AND TYING STEEL INTO EXISTING HEADWALL, COMPLETE IN PLACE	LS	1	\$10,250.00	\$10,250.00	\$23,140.00	\$23,140.00	\$6,100.00	\$6,100.00
8	REMOVE AND OFFSITE DISPOSAL OF EXISTING PLY WOOD AND MISCELLANEOUS DEBRIS FROM FLOATABLES COLLECTION SCREEN AT LAKE 4 OUTFALL, COMPLETE IN PLACE	LS	1	\$600.00	\$600.00	\$1,615.00	\$1,615.00	\$1,000.00	\$1,000.00
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING 36" STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$1,750.00	\$1,750.00	\$2,152.00	\$2,152.00	\$350.00	\$350.00
10	REMOVE AND OFFSITE DISPOSAL OF EXISTING SLUICE GATE, COMPLETE IN PLACE	LS	1	\$2,800.00	\$2,800.00	\$1,700.00	\$1,700.00	\$460.00	\$460.00
11	CONCRETE OVERFLOW SWALE (PER HCFCD DETAILS ON SHEETS 13 & 20 OF PLANS), COMPLETE IN PLACE	LS	1	\$24,000.00	\$24,000.00	\$23,410.00	\$23,410.00	\$10,200.00	\$10,200.00
DETENTION DRAINAGE ITEMS SUBTOTAL:					\$475,683.75		\$404,988.75		\$346,353.00
MISCELLANEOUS ITEMS									
1	REMOVE, DISPOSE, AND REPLACE 5" CONCRETE PAVING ON EXIST. OVERFLOW WEIR FOR CONSTRUCTION OF RETENTION STRUCTURE ON SHEET 12 OF CONSTRUCTION PLANS, COMPLETE IN PLACE	SY	23	\$110.00	\$2,530.00	\$72.00	\$1,656.00	\$114.00	\$2,622.00
2	12" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS & BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	41	\$72.50	\$2,972.50	\$129.00	\$5,289.00	\$32.50	\$1,332.50
3	12" AWWA GATE VALVE AND BOX FOR RETENTION STRUCTURE, COMPLETE IN PLACE	EA	1	\$2,800.00	\$2,800.00	\$1,964.00	\$1,964.00	\$2,509.00	\$2,509.00
4	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	SY	67984	\$0.25	\$16,996.00	\$2.15	\$146,165.60	\$3.40	\$231,145.60
5	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12" TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	8	\$3,900.00	\$31,200.00	\$430.00	\$3,440.00	\$100.00	\$800.00
6	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24" TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	4	\$7,800.00	\$31,200.00	\$430.00	\$1,720.00	\$200.00	\$800.00
7	GROUND WATER CONTROL (DEWATERING) TO COMPLETE THE CONSTRUCTION OF LAKE, CHANNEL, OR POND, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	18	\$1.20	\$21.60	\$1,076.00	\$19,368.00	\$2,000.00	\$36,000.00

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7) DOUBLE OAK CONSTRUCTION, INC 8) BLAZEY CONSTRUCTION SERVICES LLC 9) LONNIE LISCHKA COMPANY, LP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8	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 ENGINEER), COMPLETE IN PLACE	CY	40000	\$2.90	\$116,000.00	\$1.08	\$43,200.00	\$2.50	\$100,000.00
9	SURFACE PUMPING STORMWATER, 6" PUMP, AS NECESSARY TO CONSTRUCT DETENTION POND, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	HR	800	\$42.00	\$33,600.00	\$80.00	\$64,000.00	\$25.00	\$20,000.00
10	SURFACE PUMPING STORMWATER, 8" PUMP, AS NECESSARY TO CONSTRUCT DETENTION POND, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	HR	400	\$42.00	\$16,800.00	\$110.00	\$44,000.00	\$30.00	\$12,000.00
11	HYDROMULCH SEEDING AND FINE GRADING, INCLUDES WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	11	\$1,900.00	\$20,900.00	\$1,937.00	\$21,307.00	\$2,700.00	\$29,700.00
12	CLEARING AND GRUBBING, INCLUDES ROOT RAKING AND BACK DRAGGING, AND OFFSITE DISPOSAL OF CLEARED AND GRUBBED MATERIAL, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	3	\$8,700.00	\$26,100.00	\$10,763.00	\$32,289.00	\$12,000.00	\$36,000.00
13	EXTRA COST OF WET SAND CONSTRUCTION, ALL LINES AND DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	100	\$30.00	\$3,000.00	\$16.00	\$1,600.00	\$15.00	\$1,500.00
14	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$4,500.00	\$4,500.00	\$995.00	\$995.00	\$1,000.00	\$1,000.00
15	INSTALL, MAINTAIN, AND REMOVE REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	16955	\$1.60	\$27,128.00	\$1.35	\$22,889.25	\$1.00	\$16,955.00
16	INSTALL, MAINTAIN, AND REMOVE ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	2	\$1,800.00	\$3,600.00	\$1,022.00	\$2,044.00	\$500.00	\$1,000.00
17	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$3,600.00	\$3,600.00	\$1,937.00	\$1,937.00	\$3,000.00	\$3,000.00
18	INSTALL, MAINTAIN, AND REMOVE CONCRETE WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$300.00	\$300.00	\$1,291.00	\$1,291.00	\$500.00	\$500.00
19	REMOVE AND OFFSITE DISPOSAL OF OF BARB WIRE FENCE, COMPLETE IN PLACE	LF	2000	\$1.20	\$2,400.00	\$1.08	\$2,160.00	\$2.00	\$4,000.00
20	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	5	\$24.00	\$120.00	\$48.50	\$242.50	\$100.00	\$500.00
21	INSTALL, MAINTAIN, AND REMOVE ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	1	\$1,800.00	\$1,800.00	\$1,506.00	\$1,506.00	\$500.00	\$500.00
22	REMOVE AND DISPOSE OF 6" CRUSHED CONCRETE DRIVEWAY FROM EDGE OF CATRON CROSSING TO EDGE OF LIFT STATION PAVEMENT, COMPLETE IN PLACE	SY	230	\$25.00	\$5,750.00	\$4.31	\$991.30	\$3.00	\$690.00
MISCELLANEOUS ITEMS SUBTOTAL:					\$353,318.10		\$420,054.65		\$502,554.10

BID TABULATION FOR:

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BID OPENING LOCATION:
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TABULATION DATE:
LJA JOB NO.

CONSTRUCTION OF THE PHASE 3 DETENTION FACILITIES
 TO SERVE KATY LAKES
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 23, 2020
 LJA ENGINEERING, INC.
 A.OTTO
 SEPTEMBER 23, 2020
 2636-0135 (9.2)

7) DOUBLE OAK CONSTRUCTION, INC 8) BLAZEY CONSTRUCTION SERVICES LLC 9) LONNIE LISCHKA COMPANY, LP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS									
1	EXCAVATION OF DETENTION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	58112	\$1.80	\$104,601.60	\$2.51	\$145,861.12	\$1.00	\$58,112.00
2	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DETENTION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	58112	\$0.90	\$52,300.80	\$1.78	\$103,439.36	\$1.00	\$58,112.00
3	EXCAVATION OF DRAINAGE MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	67692	\$1.80	\$121,845.60	\$2.51	\$169,906.92	\$1.00	\$67,692.00
4	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DRAINAGE MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	67692	\$0.90	\$60,922.80	\$1.78	\$120,491.76	\$1.00	\$67,692.00
5	EXCAVATION OF FLOODPLAIN MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$1.80	\$6,098.40	\$2.51	\$8,503.88	\$1.00	\$3,388.00
6	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED FLOODPLAIN MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$0.90	\$3,049.20	\$1.78	\$6,030.64	\$1.00	\$3,388.00
7	EXCAVATION OF AMENITY MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	32314	\$1.80	\$58,165.20	\$2.51	\$81,108.14	\$1.00	\$32,314.00
8	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED AMENITY MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	32314	\$0.90	\$29,082.60	\$1.78	\$57,518.92	\$1.00	\$32,314.00
9	EXCAVATION AND GRADING OF OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 6' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	2525	\$11.95	\$30,173.75	\$5.38	\$13,584.50	\$12.50	\$31,562.50
10	EXCAVATION AND GRADING OF OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 10' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	231	\$6.50	\$1,501.50	\$5.38	\$1,242.78	\$14.00	\$3,234.00
11	EXCAVATION AND GRADING OF OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 12' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	980	\$6.45	\$6,321.00	\$5.38	\$5,272.40	\$33.50	\$32,830.00
12	EXCAVATION AND GRADING OF TEMPORARY DRAINAGE SWALES WITHIN POND A, 3:1 SIDE SLOPE - V-BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	1070	\$3.00	\$3,210.00	\$5.38	\$5,756.60	\$2.50	\$2,675.00
13	36" CORRUGATED GALVANIZED METAL PIPE, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	249	\$110.00	\$27,390.00	\$96.00	\$23,904.00	\$62.00	\$15,438.00
14	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	249	\$1.25	\$311.25	\$4.31	\$1,073.19	\$1.00	\$249.00

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 TO SERVE KATY LAKES
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 23, 2020
 LJA ENGINEERING, INC.
 A.OTTO
 SEPTEMBER 23, 2020
 2636-0135 (9.2)

7) DOUBLE OAK CONSTRUCTION, INC 8) BLAZEY CONSTRUCTION SERVICES LLC 9) LONNIE LISCHKA COMPANY, LP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
15	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$1,625.00	\$1,625.00	\$2,585.00	\$2,585.00	\$5,000.00	\$5,000.00
16	OUTFALL SLOPE PROTECTION FOR 36" CGMP STORM SEWER, INCLUDES 5" REINFORCED CONCRETE SLOPE PAVING AND 3' TOE WALLS, COMPLETE IN PLACE	SY	43	\$110.00	\$4,730.00	\$72.00	\$3,096.00	\$85.00	\$3,655.00
17	CONSTRUCTION AND REMOVAL OF TEMPORARY COFFER DAM FOR THE CONSTRUCTION OF 2-36" CGMP STORM SEWER OUTFALLS, INCLUDES DEWATERING AND ALL APPURTENANCES (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	2	\$9,000.00	\$18,000.00	\$13,995.00	\$27,990.00	\$1,000.00	\$2,000.00
18	18" CONCRETE RIP RAP FOR 2-36" CGMP STORM SEWER OUTFALLS INTO SOUTH MAYDE CREEK AND 12' BOTTOM WIDTH OVERFLOW SWALE, INCLUDES GEOTEXTILE FABRIC, COMPLETE IN PLACE	SY	232	\$92.00	\$21,344.00	\$86.00	\$19,952.00	\$67.00	\$15,544.00
19	CONSTRUCT TEMPORARY LOW WATER CROSSING TO HAUL CUT FROM POND A ACROSS SOUTH MAYDE CREEK, TO INCLUDE DUAL 30" HDPE OR RCP. STM. CONTRACTOR RESPONSIBLE FOR REMOVAL AND REPLACEMENT DURING RAIN EVENTS AND RESPONSIBLE FOR REMOVAL UPON PROJECT COMPLETION, COMPLETE IN PLACE	LS	1	\$1,200.00	\$1,200.00	\$15,088.00	\$15,088.00	\$4,500.00	\$4,500.00
20	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	SY	17684	\$0.25	\$4,421.00	\$3.23	\$57,119.32	\$3.40	\$60,125.60
21	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 ENGINEER), COMPLETE IN PLACE	CY	40000	\$2.40	\$96,000.00	\$4.31	\$172,400.00	\$2.50	\$100,000.00
22	BROADCAST SEEDING, INCLUDES FERTILIZING AND WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	27	\$790.00	\$21,330.00	\$861.00	\$23,247.00	\$1,000.00	\$27,000.00
23	HYDROMULCH SEEDING AND FINE GRADING, INCLUDES WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	5	\$1,900.00	\$9,500.00	\$1,937.00	\$9,685.00	\$2,700.00	\$13,500.00
24	CLEARING AND GRUBBING, INCLUDES ROOT RAKING AND BACK DRAGGING, AND OFFSITE DISPOSAL OF CLEARED AND GRUBBED MATERIAL, AS WELL AS ADDITIONAL DEBRIS WITHIN CLEARING AREA, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	4	\$8,700.00	\$34,800.00	\$10,763.00	\$43,052.00	\$12,000.00	\$48,000.00
25	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$995.00	\$995.00	\$1,000.00	\$1,000.00
26	INSTALL, MAINTAIN, AND REMOVE REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	5695	\$1.60	\$9,112.00	\$1.35	\$7,688.25	\$1.00	\$5,695.00
27	REMOVE AND DISPOSE OF EXISTING OVERHEAD ELECTRIC POWER POLES (2), COMPLETE IN PLACE	LS	1	\$1,200.00	\$1,200.00	\$2,690.00	\$2,690.00	\$1,000.00	\$1,000.00
28	INSTALL, MAINTAIN, AND REMOVE ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	2	\$1,800.00	\$3,600.00	\$1,506.00	\$3,012.00	\$1,000.00	\$2,000.00
ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS SUBTOTAL:					\$733,835.70		\$1,132,293.78		\$698,020.10
<u>BIDDING SUMMARY</u>									
SUBTOTAL EXCAVATION ITEMS					\$971,271.40		\$1,019,424.00		\$1,134,235.75
SUBTOTAL DETENTION DRAINAGE ITEMS					\$475,683.75		\$404,988.75		\$346,353.00
SUBTOTAL MISCELLANEOUS ITEMS					\$353,318.10		\$420,054.65		\$502,554.10
TOTAL AMOUNT BASE BID					\$1,800,273.25		\$1,844,467.40		\$1,983,142.85

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CONSTRUCTION OF THE PHASE 3 DETENTION FACILITIES
 TO SERVE KATY LAKES
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 23, 2020
 LJA ENGINEERING, INC.
 A.OTTO
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 2636-0135 (9.2)

7) DOUBLE OAK CONSTRUCTION, INC 8) BLAZEY CONSTRUCTION SERVICES LLC 9) LONNIE LISCHKA COMPANY, LP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<u>ALTERNATE EXCAVATION</u>									
	TOTAL AMOUNT BASE BID				\$1,800,273.25		\$1,844,467.40		\$1,983,142.85
	SUBTOTAL ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS				\$733,835.70		\$1,132,293.78		\$698,020.10
	TOTAL AMOUNT INCLUDING ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS				\$2,534,108.95		\$2,976,761.18		\$2,681,162.95

LJA Engineering, Inc.

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CONSTRUCTION OF THE PHASE 3 DETENTION FACILITIES
 TO SERVE KATY LAKES
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 23, 2020
 LJA ENGINEERING, INC.
 A.OTTO
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 2636-0135 (9.2)

10) LINDSEY CONSTRUCTION, INC.

11) EARTH BUILDERS, L.P.

12) LONGHORN EXCAVATORS, INC.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4	UTILITY SPOILS, INCLUDES HAULING EXCAVATED MATERIAL ON-SITE, STRIPPING, STOCKPILE OF STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LS	1	\$5,780.15	\$5,780.15	\$2,000.00	\$2,000.00	3600	3600
5	CONSTRUCTION AND REMOVAL OF TEMPORARY COFFER DAM FOR THE CONSTRUCTION OF 3-6' X 4' RCB STORM SEWER UPSTREAM OUTFALL, INCLUDES DEWATERING AND ALL APPURTENANCES, ALL SIZES, ALL DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	EA	1	\$6,485.00	\$6,485.00	\$10,000.00	\$10,000.00	9600	9600
6	OUTFALL SLOPE PROTECTION FOR 3-6'X4' RCB STORM SEWER, INCLUDES 5" REINFORCED CONCRETE SLOPE PAVING AND 3' TOE WALLS, COMPLETE IN PLACE	SY	64	\$405.00	\$25,920.00	\$100.00	\$6,400.00	212.1	13574.4
7	CONSTRUCTION OF ADDITIONAL HEADWALL AT KATY LAKES OUTFALL INTO SOUTH MAYDE CREEK, INCLUDES BREAKING INTO EXISTING CONCRETE, PROPOSED CONCRETE, PROPOSED STEEL, AND TYING STEEL INTO EXISTING HEADWALL, COMPLETE IN PLACE	LS	1	\$7,255.00	\$7,255.00	\$2,000.00	\$2,000.00	63600	63600
8	REMOVE AND OFFSITE DISPOSAL OF EXISTING PLY WOOD AND MISCELLANEOUS DEBRIS FROM FLOATABLES COLLECTION SCREEN AT LAKE 4 OUTFALL, COMPLETE IN PLACE	LS	1	\$565.00	\$565.00	\$1,500.00	\$1,500.00	3000	3000
9	REMOVE AND OFFSITE DISPOSAL OF EXISTING 36" STORM SEWER, ALL DEPTHS, COMPLETE IN PLACE	LS	1	\$1,520.00	\$1,520.00	\$1,500.00	\$1,500.00	6900	6900
10	REMOVE AND OFFSITE DISPOSAL OF EXISTING SLUICE GATE, COMPLETE IN PLACE	LS	1	\$2,399.00	\$2,399.00	\$500.00	\$500.00	3000	3000
11	CONCRETE OVERFLOW SWALE (PER HCFCD DETAILS ON SHEETS 13 & 20 OF PLANS), COMPLETE IN PLACE	LS	1	\$35,893.00	\$35,893.00	\$38,000.00	\$38,000.00	53100	53100
DETENTION DRAINAGE ITEMS SUBTOTAL:					\$455,992.15		\$502,575.00		\$616,931.40
MISCELLANEOUS ITEMS									
1	REMOVE, DISPOSE, AND REPLACE 5" CONCRETE PAVING ON EXIST. OVERFLOW WEIR FOR CONSTRUCTION OF RETENTION STRUCTURE ON SHEET 12 OF CONSTRUCTION PLANS, COMPLETE IN PLACE	SY	23	\$290.00	\$6,670.00	\$15.00	\$345.00	212.1	4878.3
2	12" PVC WATER LINE, C-900, DR 18, CLASS 235, INCLUDES FITTINGS & BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	41	\$67.00	\$2,747.00	\$125.00	\$5,125.00	84.81	3477.21
3	12" AWWA GATE VALVE AND BOX FOR RETENTION STRUCTURE, COMPLETE IN PLACE	EA	1	\$2,601.00	\$2,601.00	\$4,000.00	\$4,000.00	2652	2652
4	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	SY	67984	\$2.20	\$149,564.80	\$3.00	\$203,952.00	4.59	312046.56
5	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12" TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	8	\$1,700.00	\$13,600.00	\$1,200.00	\$9,600.00	900	7200
6	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24" TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	4	\$2,550.00	\$10,200.00	\$2,400.00	\$9,600.00	900	3600
7	GROUND WATER CONTROL (DEWATERING) TO COMPLETE THE CONSTRUCTION OF LAKE, CHANNEL, OR POND, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS, OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	18	\$5,722.00	\$102,996.00	\$3,000.00	\$54,000.00	900	16200

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10) LINDSEY CONSTRUCTION, INC.

11) EARTH BUILDERS, L.P.

12) LONGHORN EXCAVATORS, INC.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
8	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 ENGINEER), COMPLETE IN PLACE	CY	40000	\$4.54	\$181,600.00	\$2.00	\$80,000.00	3	120000
9	SURFACE PUMPING STORMWATER, 6" PUMP, AS NECESSARY TO CONSTRUCT DETENTION POND, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	HR	800	\$21.00	\$16,800.00	\$25.00	\$20,000.00	30	24000
10	SURFACE PUMPING STORMWATER, 8" PUMP, AS NECESSARY TO CONSTRUCT DETENTION POND, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	HR	400	\$24.00	\$9,600.00	\$35.00	\$14,000.00	45	18000
11	HYDROMULCH SEEDING AND FINE GRADING, INCLUDES WATERING, TO ACHIEVE 90% HOMOGENEOUS GRASS COVERAGE, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	11	\$1,760.00	\$19,360.00	\$1,900.00	\$20,900.00	1698	18678
12	CLEARING AND GRUBBING, INCLUDES ROOT RAKING AND BACK DRAGGING, AND OFFSITE DISPOSAL OF CLEARED AND GRUBBED MATERIAL, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	3	\$8,320.00	\$24,960.00	\$5,000.00	\$15,000.00	10620	31860
13	EXTRA COST OF WET SAND CONSTRUCTION, ALL LINES AND DEPTHS, (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LF	100	\$11.00	\$1,100.00	\$25.00	\$2,500.00	21.21	2121
14	STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROLS AND ALL ITEMS NOT SPECIFICALLY LISTED IN THE BID PROPOSAL, COMPLETE IN PLACE	LS	1	\$3,400.00	\$3,400.00	\$2,500.00	\$2,500.00	6900	6900
15	INSTALL, MAINTAIN, AND REMOVE REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), COMPLETE IN PLACE	LF	16955	\$1.20	\$20,346.00	\$2.00	\$33,910.00	1.35	22889.25
16	INSTALL, MAINTAIN, AND REMOVE ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	2	\$5,380.00	\$10,760.00	\$7,500.00	\$15,000.00	4770	9540
17	INSTALL, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, AND REGRADE AREA TO MATCH FINISHED GRADE, COMPLETE IN PLACE	EA	1	\$2,180.00	\$2,180.00	\$3,000.00	\$3,000.00	3000	3000
18	INSTALL, MAINTAIN, AND REMOVE CONCRETE WASHOUT AREA, COMPLETE IN PLACE	EA	1	\$675.00	\$675.00	\$1,500.00	\$1,500.00	3000	3000
19	REMOVE AND OFFSITE DISPOSAL OF OF BARB WIRE FENCE, COMPLETE IN PLACE	LF	2000	\$0.57	\$1,140.00	\$2.00	\$4,000.00	1.5	3000
20	INLET PROTECTION BARRIER FOR STAGE II INLET, COMPLETE IN PLACE	EA	5	\$58.00	\$290.00	\$55.00	\$275.00	108	540
21	INSTALL, MAINTAIN, AND REMOVE ROCK FILTER DAM, TYPE 2, COMPLETE IN PLACE	EA	1	\$5,380.00	\$5,380.00	\$7,500.00	\$7,500.00	4770	4770
22	REMOVE AND DISPOSE OF 6" CRUSHED CONCRETE DRIVEWAY FROM EDGE OF CATRON CROSSING TO EDGE OF LIFT STATION PAVEMENT, COMPLETE IN PLACE	SY	230	\$6.00	\$1,380.00	\$5.00	\$1,150.00	12	2760
MISCELLANEOUS ITEMS SUBTOTAL:					\$587,349.80		\$507,857.00		\$621,112.32

BID TABULATION FOR:

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

CONSTRUCTION OF THE PHASE 3 DETENTION FACILITIES
 TO SERVE KATY LAKES
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538
 CITY OF HOUSTON E.T.J., HARRIS COUNTY, TEXAS
 SEPTEMBER 23, 2020
 LJA ENGINEERING, INC.
 A.OTTO
 SEPTEMBER 23, 2020
 2636-0135 (9.2)

10) LINDSEY CONSTRUCTION, INC.

11) EARTH BUILDERS, L.P.

12) LONGHORN EXCAVATORS, INC.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
ALTERNATE EXCAVATION, DETENTION DRAINAGE, AND MISCELLANEOUS ITEMS									
1	EXCAVATION OF DETENTION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	58112	\$1.42	\$82,519.04	\$2.00	\$116,224.00	1.2	69734.4
2	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DETENTION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	58112	\$1.77	\$102,858.24	\$2.00	\$116,224.00	2.01	116805.12
3	EXCAVATION OF DRAINAGE MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	67692	\$1.42	\$96,122.64	\$2.00	\$135,384.00	1.2	81230.4
4	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED DRAINAGE MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	67692	\$1.77	\$119,814.84	\$2.00	\$135,384.00	2.01	136060.92
5	EXCAVATION OF FLOODPLAIN MITIGATION MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$1.42	\$4,810.96	\$2.00	\$6,776.00	1.2	4065.6
6	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED FLOODPLAIN MITIGATION MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	3388	\$1.77	\$5,996.76	\$2.00	\$6,776.00	2.01	6809.88
7	EXCAVATION OF AMENITY MATERIAL, INCLUDES STRIPPING, STOCKPILING AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	32314	\$1.42	\$45,885.88	\$2.00	\$64,628.00	1.2	38776.8
8	PLACEMENT, GRADING, AND COMPACTION OF EXCAVATED AMENITY MATERIAL, INCLUDES HAULING EXCAVATED DETENTION MATERIAL ONSITE, STRIPPING, STOCKPILING STRIPPINGS, PLACEMENT AND COMPACTION TO 95% STANDARD PROCTOR DENSITY, WITH MAXIMUM 8" LIFTS, FINAL GRADING, AND RE-APPLICATION OF STRIPPINGS, COMPLETE IN PLACE	CY	32314	\$1.77	\$57,195.78	\$2.00	\$64,628.00	2.01	64951.14
9	EXCAVATION AND GRADING OF OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 6' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	2525	\$4.60	\$11,615.00	\$5.00	\$12,625.00	9	22725
10	EXCAVATION AND GRADING OF OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 10' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	231	\$4.60	\$1,062.60	\$8.00	\$1,848.00	12.12	2799.72
11	EXCAVATION AND GRADING OF OVERFLOW DRAINAGE SWALE, 3:1 MAXIMUM SIDE SLOPE - 12' BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	980	\$5.00	\$4,900.00	\$8.00	\$7,840.00	12.9	12642
12	EXCAVATION AND GRADING OF TEMPORARY DRAINAGE SWALES WITHIN POND A, 3:1 SIDE SLOPE - V-BOTTOM, (ALL DEPTHS), INCLUDES HAULING OF SPOIL MATERIAL, STRIPPING, STOCKPILING AND REAPPLICATION OF STRIPPINGS, COMPLETE IN PLACE	LF	1070	\$3.40	\$3,638.00	\$3.00	\$3,210.00	3	3210
13	36" CORRUGATED GALVANIZED METAL PIPE, INCLUDES BEDDING AND BACKFILL, ALL DEPTHS, COMPLETE IN PLACE	LF	249	\$103.00	\$25,647.00	\$85.00	\$21,165.00	127.2	31672.8
14	TRENCH SAFETY SYSTEM FOR STORM SEWER, ALL SIZES, ALL DEPTHS, COMPLETE IN PLACE	LF	249	\$1.00	\$249.00	\$1.00	\$249.00	2.13	530.37

