EXHIBIT A - PAGE 1

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Ormond Oaks Drainage Improvements - Project #5					
202-02-00030	Removal of Sheet Pile	LNFT	$100.00	250	$25,000.00
203-02-00100	Drainage Excavation	CUYD	$15.00	5,600	$84,000.00
203-04-00200	Nonplastic Embankment (Sand) - Bedding	CUYD	$45.00	3,700	$166,500.00
203-08-00100	Geotextile Fabric	SQYD	$2.00	55,000	$110,000.00
727-01-00100	Mobilization	LUMP		5%	$200,000.00
802-02-00100	Permanent Sheeting (Steel)	SQFT	$60.00	3,500	$210,000.00
802-03-00100	Temporary Sheeting (Steel)	SQFT	$30.00	12,500	$375,000.00
805-01-00900	Class A1 Concrete	CUYD	$1,000.00	2,375	$2,375,000.00
806-01-00100	Deformed Reinforcing Steel	LB	$1.25	288,000	$360,000.00
	Sub-Total				$3,905,500.00
	Contingency			5%	$195,275.00
	Total Estimated Construction Cost				$4,100,775.00

Facility Planning and Control
Exhibit "B"
Computation of Fees

		BCI	CPI
	1975	1306	53.8
	2019	6136	255.7

Funds Available for Construction =		$4,100,775.00
Fee Percentage =		7.76 %
Fee =		$321,898.66
Preliminary Phase	25%	$80,474.66
Design Phase	45%	$144,854.40
Bidding Phase	5%	$16,094.93
Construction Phase	20%	$64,379.73
Record Drawing Phase	5%	$16,094.93
	100%	$321,898.66

LaDOTD Weighted Averages

Item	Description	Unit	QTR Num Bids	Qtr Quantity	Qtr Total	Qtr Min Bid	Qtr Max Bid	Qtr Average	L4 Qtr Num Bids	L4 Qtr Quantity	L4 Qtr Total	L4 Qtr Min Bid	L4 Qtr Max Bid	L4 Qtr Average
202-02-00030	Removal of	LNFT	5	27090.8	256823	2.63	14	9.48	13	78644.8	765286	$2.63	$100.00	$9.73
203-02-00100	Drainage Excavation	CUYD	8	9564	70380.5	3.5	50	7.36	24	40939	504155	$3.50	$125.00	$12.31
203-03-00100	Embankment	CUYD	6	410718	1E+07	8	37	24.81	33	673469	1.6E+07	$8.00	$75.00	$23.20
203-04-00200	Nonplastic Embankment (Sand)	CUYD	0	0	0	0	0	0	2	7742	295556	$38.00	$39.00	$38.18
203-08-00100	Geotextile Fabric	SQYD	4	6190	18592.3	0.85	4	3	24	26726.9	54139.2	$0.85	$50.00	$2.03
726-01-00100	Bedding Material	CUYD	32	4724.6	366589	25	127	77.59	96	18526.7	1626659	$1.00	$150.00	$87.80
802-02-00100	Permanent Sheeting (Steel)	SQFT	1	1399	124511	89	89	89	5	18210.4	1075593	$30.00	$89.00	$59.06
802-03-00100	Temporary Sheeting (Steel)	SQFT	2	48756	1712760	35	36	35.13	6	365464	1E+07	$17.50	$43.00	$27.38
805-01-00100	Class A1 Concrete (Slab Span)	CUYD	5	5034.07	3562856	350	1350	707.75	16	12707.6	1E+07	$350.00	$20,000.00	$804.52
805-01-00200	Class A1 Concrete (Deck)	CUYD	4	6972.03	7053108	350	1690	1011.63	12	15289.9	1.4E+07	$350.00	$1,690.00	$916.35
805-01-00300	Class A1 Concrete (Bent Cap)	CUYD	8	4021.24	4845915	350	2400	1205.08	25	8263.21	1E+07	$350.00	$2,400.00	$1,254.02
805-01-00400	Class A1 Concrete (Column)	CUYD	1	109.46	38311	350	350	350	5	419.42	431937	$350.00	$2,000.00	$1,029.84
805-01-00500	Class A1 Concrete (Footing)	CUYD	0	0	0	0	0	0	1	631.33	631330	$1,000.00	$1,000.00	$1,000.00
805-01-00600	Class A1 Concrete (Retaining Wall)	CUYD	1	16.4	31980	1950	1950	1950	4	570.45	565220	$800.00	$2,000.00	$990.83
805-01-00700	Class A1 Concrete (Crash Wall)	CUYD	0	0	0	0	0	0	0	0	0	$0.00	$0.00	$0.00
805-01-00800	Class A1 Concrete (Counterweight)	CUYD	0	0	0	0	0	0	1	213.66	235026	$1,100.00	$1,100.00	$1,100.00
805-01-00900	Class A1 Concrete	CUYD	3	57.51	115794	440	2500	2013.46	17	1375.4	2554067	$430.00	$8,000.00	$1,856.96
				16210.7	1.6E+07	Qtr Average All A1		965.285		39,471	3.9E+07	L4 Qtr Average All A1		$988.43
806-01-00100	Deformed Reinforcing Steel	LB	9	3621599	4587230	1	2.78	1.27	35	8837319	1.1E+07	$0.85	$5.00	$1.24

St Charles Parish

Ormond Oaks Drainage Improvements - Project 5

Exhibit A
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LABOR AND FEE ESTIMATE (Rev. 16-Jul-20)	# sheets, tasks, or design efforts	CLERICAL Hours /Count	CLERICAL Total Hours	CADD TECHNICIAN Hours /Count	CADD TECHNICIAN Total Hours	SENIOR TECHNICIAN Hours /Count	SENIOR TECHNICIAN Total Hours	PRE-PROFESSIONAL Hours /Count	PRE-PROFESSIONAL Total Hours	ENGINEER Hours /Count	ENGINEER Total Hours	SUPERVISOR - ENGINEER Hours /Count	SUPERVISOR - ENGINEER Total Hours	TOTAL Hours /Count	TOTAL Total Hours	Mileage Miles /Count	Mileage Total Miles	COMMENTS
Preliminary Phase																		
Topographic Survey	1	0	0	0	0	0	0	0	0	4	4	2	2	6	**6**			
Review Geotechnical Report	1	0	0	0	0	0	0	0	0	8	8	8	8	16	**16**			
Plot Survey Information	1	0	0	0	0	8	8	0	0	0	0	10	10	18	**18**			
Preliminary Site Visit	2	0	0	0	0	0	0	4	8	4	8	4	8	12	**24**			
Prepare Preliminary Plans	1	0	0	48	48	36	36	0	0	40	40	40	40	164	**164**			
Preliminary Cost Estimate	1	0	0	12	12	12	12	0	0	12	12	12	12	48	**48**			
Design Phase																		
Plan Sheets																		
Title Sheet	1	0	0	16	16	8	8	0	0	4	4	0	0	28	**28**			
General Notes	1	0	0	16	16	8	8	2	2	4	4	2	2	32	**32**			
General Plan	1	0	0	16	16	8	8	0	0	4	4	0	0	28	**28**			
Flume and Sheetpile Wall - Plan & Elevation	4	0	0	16	64	8	32	4	16	4	16	2	8	34	**136**			
Construction sequencing	3	0	0	12	36	6	18	4	12	4	12	2	6	28	**84**			
Flume Sections and Details	4	0	0	12	48	8	32	8	32	8	32	2	8	38	**152**			
Sheetpile Wall Details - assumes not anchors	1	0	0	12	12	8	8	8	8	8	8	1	1	37	**37**			
Flume to Sheetpile connections	1	0	0	10	10	6	6	4	4	4	4	1	1	25	**25**			
Miscellaneous Details (headwalls, ladders, joints, pressure grates)	2	0	0	16	32	16	32	8	16	4	8	1	2	45	**90**			
Design Efforts																		
Determination of Load Cases and Combinations	1	0	0	0	0	0	0	8	8	16	16	16	16	40	**40**			
Structural Modeling and Analysis of Flume	1	0	0	0	0	0	0	24	24	24	24	16	16	64	**64**			
Flume Reinforcement Design	1	0	0	0	0	0	0	16	16	40	40	8	8	64	**64**			
Sheetpile Selection and Design	1	0	0	0	0	0	0	16	16	16	16	8	8	40	**40**			
Final Cost Estimate	1	8	8	0	0	16	16	16	16	16	16	8	8	64	**64**			
Specifications and Contract Documents	1	40	40	0	0	0	0	0	0	20	20	40	40	100	**100**			
Plan in Hand Meeting	1	0	0	0	0	0	0	0	0	8	8	8	8	16	**16**			
Bidding Phase																		
Deliver Plans & Specifications to Prospective Bidders	1	24	24	0	0	0	0	0	0	0	0	0	0	24	**24**			
PreBid Conference and Addenda	1	16	16	0	0	0	0	8	8	16	16	8	8	48	**48**			
Bid Opening, Bid Tabulation, and Recommendation for Award	1	16	16	0	0	0	0	0	0	16	16	16	16	48	**48**			
Construction Phase																		
Prepare Contract Documents	1	8	8	0	0	0	0	0	0	0	0	8	8	16	**16**			
Site visits by Engineer	26	4	104	0	0	0	0	0	0	4	104	4	104	12	**312**			
Review Test Results	6	0	0	0	0	0	0	0	0	8	48	2	12	10	**60**			
Review Contractor's Pay Request	6	12	72	0	0	0	0	0	0	8	48	2	12	22	**132**			
Prepare Progress Reports	6	4	24	0	0	0	0	0	0	8	48	2	12	14	**84**			
Submittal Review	1	16	16	0	0	0	0	0	0	40	40	16	16	72	**72**			
Final Inspection and Recommendation for Final Payment	1	8	8	0	0	0	0	0	0	12	12	12	12	32	**32**			
Review and Approve Lab Test Invoices	1	8	8	0	0	0	0	0	0	0	0	8	8	16	**16**			
Prepare Change Orders	1	8	8	0	0	0	0	0		0	0	8	8	16	**16**			
Attend Meetings	6	0	0	0	0	0	0	0	0	2	12	2	12	4	**24**			
Record Drawings																		
Review Contractor's "AS-BUILT" Drawings & Prepare Record Drawings	1	8	8	24	24	8	8	0	0	8	8	2	2	50	**50**			
Site Visit for "RECRD DRAWING" Review	1	0	0	0	0	8	8	0	0	8	8	4	4	20	**20**			
Sub-Total Design			360		334		240		186		664		446		2230		0	

FEE ESTIMATE STAGE 3 - DESIGN (GEC)		CLERICAL	CADD OPERATOR	SENIOR TECHNICIAN	PRE-PROFESSIONAL	ENGINEER	SUPERVISOR - ENGINEER	TOTAL	
		$25.17	$30.00	$36.91	$34.88	$49.52	$69.14		
Total Labor Hours Per Classification		360	334	240	186	664	446	2230	**Total Hours**
Total Labor Cost Per Classification		$9,061.20	$10,020.00	$8,858.40	$6,487.68	$32,881.28	$30,836.44	$98,145.00	**Total Labor Cost**

GEC is not required to perform a drainage or hydraulic study of the canals with regard to the new concrete flume structure.

GEC to design concrete flume structure based upon St. Charles Parish's approved canal geometric specifications with no independent verification of hydraulic capacity by GEC of the canal geometry.

$98,145.00	**Labor Cost**
$172,185.59	**Overhead @ 175.44%**
$40,549.59	**Fee @ 15%**
$310,880.18	**Total Estimated Cost for Professional Services**