

EXHIBIT A
ENGINEERING CONSULTANT FEES
Proposal to Provide Preliminary Engineering, Design, Permitting and Bid Assistance Services for the Thomas Street Stormwater Pump Station Project

Task	Task Description	Mock-Roos						Subconsultants				Consulting Fees TOTALS	Allowance Amount
		Project Director \$165.00	Senior Project Manager \$175.00	Senior Professional Engineer \$170.00	Engineer Intern III \$135.00	Sr. Field Representative \$135.00	Engineering Intern I/CAAD \$100.00	Sr. Admin. Assistant \$50.00	Kimley-Horn	RADISE	Smith Engineering Consultant		
1	Project Control/Management/Tech. Coordination 1. Project Management and Coordination 2. Preparing for and Attending Routine Progress Meetings 3. Technical Coordination and Meetings 4. Data Collection, Surveying and Field Investigations 1. Surveying Services and Basemap Preparation 2. Finished Floor Elevations 3. Title Reporting 4. Sketch and Legal Descriptions 5. Additional Survey Scope of Services Allowance 6. Geotechnical Services 7. Underground Utility Coordination 8. Drainage Discharge Investigation	46	108	66	0	0	0	12	\$0	\$0	\$0	\$39,230	\$0
		24	48	8				4					\$14,400
		18	36	18				8					\$13,090
		4	24	40									\$11,740
		4	26	24	0	8	84	16	\$0	\$13,974	\$0	\$46,498	\$80,122
		8					40	4				\$16,871	\$22,471
		2					8					\$6,789	\$7,939
		2					8					\$1,875	\$3,025
2	Data Collection, Surveying and Field Investigations 1. Surveying Services and Basemap Preparation 2. Finished Floor Elevations 3. Title Reporting 4. Sketch and Legal Descriptions 5. Additional Survey Scope of Services Allowance 6. Geotechnical Services 7. Underground Utility Coordination 8. Drainage Discharge Investigation	4	26	24	0	8	84	16	\$0	\$13,974	\$0	\$46,498	\$20,000
		8					40	4				\$16,871	\$22,471
		2					8					\$6,789	\$7,939
		2					8					\$1,875	\$3,025
		2					8					\$4,500	\$4,850
		2					8					\$0	\$20,000
		2					8					\$17,004	\$19,853
		2					8					\$15,193	\$19,853
3	Pump Station Wetwell Conceptual Engineering 1. Finalize Overall Pump Station Sizing 2. Finalize Pump Station Wetwell Configuration 3. Draft Recommendation Letter Report 4. Final Recommendation Letter Report	6	18	72	166	0	36	4	\$0	\$0	\$0	\$41,360	\$0
		4	8	40	80		20						\$21,740
		2	4	24	60		16						\$13,250
		4			16								\$4,060
		2	8										\$1,710
		24	152	0	0	0	0	2	\$0	\$0	\$0	\$31,140	\$0
		4	48					2					\$9,240
		4	16										\$3,540
4	Neighborhood Communication/Outreach 1. Develop a Public Involvement Plan 2. Kick-off mtg w/ residents (during conceptual design) 3. Design mtg w/ residents 4. Individual mtgs w/ residents 5. Commission Meetings 6. Manager's Workshop	4	16										\$7,000
		4											\$7,000
		4											\$3,540
		4	16										\$3,540
		8	16										\$4,280
		80	254	312	124	0	400	6	\$85,430	\$0	\$28,500	\$0	\$263,260
		24	88	120	60		160						\$64,340
		20	74	100	40		120						\$51,050
5	Contract Document Development 1. Prepare and Submit 30% design drawings 2. Prepare and submit 60% design drawings 3. Prepare and submit 90% design drawings 4. Meet City to resolve comments (30/60/90%) 5. Prepare & submit bid-ready documents 6. Provide Structural subconsultant 7. Provide Landscape Architectural subconsultant 8. Provide Electrical subconsultant	16	60	60	24	80	6					\$34,900	
		12	12	12									\$6,060
		8	20	20		40			\$73,650	\$11,780	\$28,500	\$11,780	\$17,380
		8											\$73,650
		8											\$11,780
		8											\$11,780
		8											\$11,780
		8											\$11,780
6	Permitting 1. USACE 2. SFWMCD 3. City Building Department 4. Provide Environmental subconsultant 5. Engineering During Bidding 1. Attend Pre-Bid Meeting 2. RFIs and Addendums 3. Review Bidder's Submittals/Recommendation for Award 4. Provide Structural and Landscape Consultant	0	14	0	28	0	0	0	\$0	\$0	\$13,498	\$19,728	\$0
		1	USACE	4	16								\$2,880
		2	SFWMCD	8									\$2,480
		3	City Building Department	2	4								\$890
		4	Provide Environmental subconsultant										\$13,498
		3	10	8	4	0	16	4	\$5,046	\$0	\$0	\$11,051	\$13,498
		1	Attend Pre-Bid Meeting	4									\$700
		2	RFIs and Addendums	4	8		16	2					\$4,130
7	Post Design Services 1. Labor Total Hours 2. Labor Hourly Billing Rate 3. Labor Individual Totals	2	4	8	4							\$4,130	
		1	2		4								\$1,175
		0	0	0	0	0	0	0	\$0	\$0	\$0	\$0	\$5,046
		0	0	0	0	0	0	0	\$0	\$0	\$0	\$0	\$0
		163	582	482	312	8	536	44					\$20,000
		\$185	\$175	\$170	\$135	\$135	\$100	\$50	\$90,476	\$13,974	\$28,500	\$59,996	\$505,891
		\$301,150	\$101,850	\$81,940	\$42,120	\$1,080	\$53,600	\$2,200	\$90,476	\$13,974	\$28,500	\$59,996	\$40,000

Engineering Consulting Fees	\$505,891
Reimbursables	\$1,200
Permitting Fees	\$5,000
Engineering Total Fees	\$512,091
Allowance Amount Total	\$40,000
Project Total	\$552,091

Thomas Street Pump Stations - Structural and Landscape Design Services
PROPOSED STAFF HOURS AND FEE
KIMLEY HORN

TASK	PRINCIPAL ENGINEER	PROJECT ENGINEER	SR PROFESSIONAL	ANALYST	ADMIN ASST.	TOTAL HOURS
	\$215.00	\$158.00	\$185.00	\$125.00	\$79.00	
Task 1 - Structural Design Services						
Structural Design						
a. Review As-Built Plans and site visit		4.0	1.0	6.0	2.0	13.0
b. Kickoff Meeting	2.0	4.0				6.0
c. Seawall Design	2.0	16.0	8.0	36.0		62.0
e. Discharge Bay design	1.0	4.0	2.0	10.0		17.0
f. Tremie wet well design	4.0	16.0	8.0	36.0		64.0
g. Wet well top slab/pump supports design	1.0	6.0	2.0	16.0		25.0
h. Generator foundation design	1.0	4.0	2.0	10.0		17.0
i. Generator maintenance platform	1.0	4.0	2.0	10.0		17.0
Structural Plans						
a. Structural Notes and Specifications	2.0	4.0	4.0			10.0
b. Structural site plans	2.0	8.0	4.0	18.0		32.0
c. Seawall layout, sections, and connections	2.0	12.0	8.0	36.0		58.0
e. discharge bay, plan, sections, and connections	1.0	4.0	2.0	10.0		17.0
f. Wet well plan, sections, and connections	4.0	16.0	8.0	36.0		64.0
g. Wet well top slab and details	1.0	4.0	2.0	10.0		17.0
h. Structural PumpSupport members	1.0	4.0	2.0	8.0		15.0
i. Generator foundation plan, sections, and details		2.0	1.0	8.0		11.0
j. Structural Grating support and details	1.0		4.0	12.0		17.0
k. Structural details		4.0	2.0	12.0		18.0
Sumbittal Phase Review Meetings (30%, 60%, and 90%)	3.0		9.0		4.0	12.0
Opinion of Probable Construction Cost	2.0		6.0		1.0	8.0
	\$6,665.00	\$18,328.00	\$14,245.00	\$34,250.00	\$158.00	\$73,646.00
Task 2 - Landscape Architecture Services						
a. Site visit			2.0	2.0	1.0	4.0
b. Prepare initial schematic design for coordination			2.0	8.0		10.0
c. Attend three design coordination meetings			6.0	8.0	1.5	14.0
d. Prepare two colored graphics			4.0	12.0		16.0
e. Prepare construction documents			2.0	18.0		20.0
f. up to two rounds of revisions			2.0	18.0		20.0
	\$0.00	\$0.00	\$3,330.00	\$8,250.00	\$197.50	\$11,777.50
Task 3 - Bid Phase Services						
Attend Prebid Meeting			2.0		1.0	2.0
Respond to Bidders RFIs	2.0		4.0		1.0	6.0
Review bid proposal for structural elements	2.0		6.0			8.0
Prepare Memorandum	0.5		2.0		1.0	2.5
Incorporate City's Building Department comments	1.0		3.0	4.0		8.0
	\$1,182.50	\$0.00	\$3,145.00	\$500.00	\$237.00	\$5,064.50
	\$7,847.50	\$18,328.00	\$20,720.00	\$43,000.00	\$592.50	\$90,488.00
						\$90,488.00



ATTACHMENT A - FEE BREAKDOWN

Geotechnical Engineering Services City of Delray Beach Thomas Street Pump Station Palm Beach County, Florida

	Qty	Unit	Unit Price	Total
1.0 FIELD EXPLORATIONS				
1.1 <u>Field Marking & Utility Locate/Clearance Coordination</u>				
1.1.1 Staff Engineer	6	Hour	\$ 105.00	\$ 630.00
1.2 <u>Maintenance of Traffic</u>				
1.2.1 MOT Plan (Project Engineer)	2	Hour	\$ 135.00	\$ 270.00
1.2.2 MOT Implementation (Cones, Signs, Barricades, etc.)	1	Day	\$ 150.00	\$ 150.00
1.3 <u>Pavement Coring</u>				
1.3.1 Mobilize Coring Machine	1	Trip	\$ 400.00	\$ 400.00
1.3.2 Asphalt Pavement Coring	4	Each	\$ 100.00	\$ 400.00
1.3.3 Asphalt Cold Patch	4	Each	\$ 25.00	\$ 100.00
1.4 <u>SPT Borings (2 to 15' & 2 to 40')</u>				
1.4.1 Mobilize Drill Rig	1	Trip	\$ 350.00	\$ 350.00
1.4.2 SPT Borings	110	Foot	\$ 15.50	\$ 1,705.00
1.4.3 Grout Seal	110	Foot	\$ 6.50	\$ 715.00
		TOTAL FIELD WORK	\$	4,720.00
2.0 LABORATORY SERVICES				
2.1 Classification QC/Verification (Staff Engineer)	4	Hour	\$ 105.00	\$ 420.00
2.2 Natural Sample Moisture Content (2 per boring)	8	Each	\$ 15.00	\$ 120.00
2.3 Full Grain Size (1 per boring)	4	Each	\$ 85.00	\$ 340.00
2.4 Fines Content Test (1 per boring)	4	Each	\$ 45.00	\$ 180.00
2.5 Organic Content Test (1 test per boring)	4	Each	\$ 45.00	\$ 180.00
		TOTAL LABORATORY SERVICES	\$	1,240.00
3.0 MEETINGS, COORDINATION, PROJECT MANAGEMENT, ENGINEERING REPORTING AND ADMIN. SUPPORT SERVICES				
3.1 Senior Engineer	8	Hour	\$ 155.00	\$ 1,240.00
3.2 Project Engineer	36	Hour	\$ 135.00	\$ 4,860.00
3.3 Staff Engineer	12	Hour	\$ 105.00	\$ 1,260.00
3.4 CADD Technician	8	Hour	\$ 68.00	\$ 544.00
3.5 Administrative Support	2	Hour	\$ 55.00	\$ 110.00
		TOTAL PROFESSIONAL SERVICES	\$	8,014.00
TOTAL AMOUNT				\$ 13,974.00

Thomas Street Pump Station, Smith Engineering Man-hour Estimate

Task	Principal	Engineer	Assistant Engineer	CADD Designer	Clerical
	Hourly Rate	\$175	\$150	\$125	\$85
Initial Site Visit and Review of Preliminary Plans					\$60
		0	8	4	0
	Sub-Totals	\$0	\$1,200	\$500	\$0
					\$1,700
FPL Coordination					
		0	8	4	4
					2
	Sub-Totals	\$0	\$1,200	\$500	\$340
					\$2,160
Preliminary Engineering Report					
		1	12	8	8
					2
	Sub-Totals	\$175	\$1,800	\$1,000	\$680
					\$3,775
Prepare 30% Submittal					
		1	12	12	8
					0
	Sub-Totals	\$175	\$1,800	\$1,500	\$680
					\$4,155
Prepare 60% Submittal					
		2	16	12	12
					0
	Sub-Totals	\$350	\$2,400	\$1,500	\$1,020
					\$5,270
Prepare 90% Submittal					
		2	12	10	12
					0
	Sub-Totals	\$350	\$1,800	\$1,250	\$1,020
					\$4,420
Prepare 100% Submittal					
		2	8	8	8
					0
	Sub-Totals	\$350	\$1,200	\$1,000	\$680
					\$3,230
Attend 30%, 60% and 90% Plan Review Meetings					
		0	12	0	0
					3
	Sub-Totals	\$0	\$1,800	\$0	\$0
					\$1,980
Respond to Questions during Bidding, Prepare Addendums					
		1	4	4	6
					0
	Sub-Totals	\$175	\$600	\$500	\$510
					\$1,785
					\$28,473

Project Name: Thomas Street Stormwater Pump Station
Client: City of Delray Beach
Estimator: Amanda Montgomery, Jim Sullivan, and Radek Grabowski
Date: 6/26/2020

Task					Senior Engineer	Professional Land Surveyor	CADD Drafting	Survey Field crew	Office Support	TOTAL	
TASK DESCRIPTION					\$ 103.83	\$ 108.00	\$ 75.00	\$ 124.98	\$ 54.00		
1 Environmental											
Environmental Permitting					90						\$ 9,345.00
Representation					40						\$ 4,153.00
2 Survey											
Topographic Survey						18	65	80	1		\$ 16,871.00
FFE Survey						5	25	35			\$ 6,789.00
Title Report											\$ 1,875.00
Easement Exhibits \$750/exhibit											\$ 4,500.00
2 SUE											
Utility Designating						5	10	30	1		\$ 5,093.00
Vacuum Excavation						12	30	52	1		\$ 10,100.00
Drainage Investigation						2	5	5	1		\$ 1,270.00
											\$ -
											\$ -
											\$ -
				SUBTOTAL HOURS	130	42	135	202	4	0	513
				SUBTOTAL	\$ 13,498.00	\$ 4,536.00	\$ 10,125.00	\$ 25,246.00	\$ 216.00	\$ -	\$ 59,996.00
		Contingency	0%	Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
				TOTAL	\$ 13,498.00	\$ 4,536.00	\$ 10,125.00	\$ 25,246.00	\$ 216.00	\$ 6,375.00	\$ 59,996.00