

City of South Daytona
Office of the City Manager

1672 S. Ridgewood Avenue • South Daytona, FL 32119 • 386/322-3014



MEMORANDUM

To: James L. Gillis Jr., City Manager
From: Becky Witte, Deputy City Clerk
Re: Consideration of approving the First Amendment to the Joint Project Agreement (JPA) with Volusia County for the Sherwood Forest Stormwater Pond Project and the Stevens Canal Bank Stabilization Project.
Date: February 17, 2026

The original Joint Project Agreement (JPA) between the City of South Daytona and Volusia County for the Sherwood Stormwater Pond Project and the Stevens Canal Bank Stabilization Project involved estimates for the design and construction of the project as both were unknown at the time. Since those agreements were executed, design costs for both projects have now been identified so the original JPA's have to be revised to reflect the actual design costs.

Attached to this memorandum are the JPA amendments for both projects.

For the Sherwood Forest Stormwater Pond Project, Amendment No. 1 formalizes the design cost of \$370,333.04 which is now known and underway. It establishes the estimated total cost of the project at \$4,500,000, inclusive of design and construction. Volusia County will fund up to \$1,125,000 of the project using Community Development Block Grant – Disaster Recovery (CDBG-DR) funds administered through a HUD Grant. The City's local match is \$3,375,000, which is covered through a FEMA Hazard Mitigation Grant. It is important to note that if the City is unsuccessful in securing the necessary FEMA grant for the construction, then the project will be paused until alternative funding sources are identified. All other terms of the original agreement remain in full force and effect.

For the Stevens Canal Bank Stabilization, Amendment No. 1 formalizes the design cost of \$493,086.76 which is now known and underway. It establishes the estimated total cost of the project at \$2,500,000, inclusive of design and construction. Volusia County will fund up to \$2,500,000 of the project using Community Development Block Grant – Disaster Recovery (CDBG-DR) funds administered through a HUD Grant. The City's is not required to provide a local match. All other terms of the original agreement remain in full force and effect.

Staff recommends approval of Amendment No. 1 to the Joint Project Agreements to advance this critical stormwater improvement project.

AMENDMENT NO. 1 TO THE JOINT PROJECT AGREEMENT BETWEEN COUNTY OF VOLUSIA AND THE CITY OF SOUTH DAYTONA FOR THE SHERWOOD FOREST STORMWATER POND PROJECT (AMENDMENT)

THE JOINT PROJECT AGREEMENT (AGREEMENT) made and entered into on June 17, 2025, by and between the **County of Volusia (COUNTY)**, a political subdivision of the State of Florida, and the **City of South Daytona (CITY)**, a municipal corporation of the State of Florida, for the **Sherwood Forest Stormwater Pond** project (PROJECT) is amended as follows:

The AGREEMENT is hereby amended to add Section “J. PROJECT COST.” Section J, PROJECT COST is inserted into the AGREEMENT as follows:

1. The estimated total cost of the project, to include design and construction, is **\$4,500,000.00 (Four million, five hundred thousand dollars and 00/100)**. The COUNTY agrees to participate in the PROJECT cost up to a maximum amount of **\$1,125,000.00 (One million, one hundred twenty-five thousand dollars and 00/100)** using Community Development Block Grant – Disaster Recovery (CDBG-DR) funds provided by the Department of Housing and Urban Development (HUD) Grant B-23-UN-12-0005. The CITY’s committed local match amount is **\$3,375,000.00 (Three million, three hundred seventy-five thousand dollars and 00/100)** which is to be provided through a FEMA Hazard Mitigation Grant. This equates to the pro-rata share of **75%**. The CITY will be invoiced by the COUNTY for project costs at this pro-rata throughout the life of the project, up to and not including costs of the project above and beyond the funding provided by the HUD Grant. If the CITY does not receive the anticipated FEMA funding for the construction phase, then the project shall be paused until alternative funding sources are identified.
2. The actual cost of design services for the PROJECT is **\$370,333.04 (Three hundred seventy thousand, three hundred thirty-three dollars and 04/100)**. This amount is based upon the scope and schedule of values in **EXHIBIT A**, attached to and incorporated in this AGREEMENT.

This AMENDMENT NO. 1 sets forth the entire modifications to the AGREEMENT. Except as provided above, all other terms and conditions of the AGREEMENT shall remain unchanged and in full force and effect and are hereby ratified and reaffirmed by the parties hereto. In the event of any conflict or inconsistency between the provisions set forth in this AMENDMENT NO. 1 and the AGREEMENT, this AMENDMENT NO. 1 shall govern and control.

IN WITNESS WHEREOF, the Parties hereto have made and executed this AGREEMENT as of the latest day and year written below.

ATTEST:

CITY OF SOUTH DAYTONA

JAMES L. GILLIS, JR.
CITY MANAGER

BY: _____
WILLIAM C. HALL
MAYOR

DATE: _____

Approved as to form
and correctness:

WADE C. VOSE
CITY ATTORNEY

IN WITNESS WHEREOF, the Parties hereto have made and executed this AGREEMENT as of the latest day and year written below.

ATTEST:

COUNTY OF VOLUSIA, FLORIDA

GEORGE RECKTENWALD
COUNTY MANAGER

BY: _____
JEFFREY S. BROWER, CHAIR
COUNTY COUNCIL

DATE: _____

Approved as to form
and correctness:

THOMAS R. (RUSS) BROWN, III
DEPUTY COUNTY ATTORNEY

EXHIBIT A1 - FEE ESTIMATE

Proposal for Sherwood Forest Stormwater Retrofit <i>Volusia County, Florida</i>														Date: 08/12/25				
														Contract: 24-SQ-101KW				
Task	Activity	Principal Engineer		Senior Professional Engineer		Professional Engineer		Senior Staff Engineer		Staff Engineer		Drafter/CAD Operator		Clerical		Basic Activity Amount	Man-hours by Activity	Average Hourly Rate
		Rate = \$244.00	Rate = \$224.00	Rate = \$175.00	Rate = \$154.00	Rate = \$132.00	Rate = \$110.00	Rate = \$58.00	Manhours	Cost	Manhours	Cost	Manhours	Cost	Manhours			
1 Project Kick-off																		
	Project Kick-off Meeting	4	\$976.00		\$0.00		\$0.00	4	\$616.00		\$0.00		\$0.00		\$0.00	\$1,592.00	8	\$199.00
SUBTOTAL		4	\$976.00	0	\$0.00	0	\$0.00	4	\$616.00	0	\$0.00	0	\$0.00	0	\$0.00	\$1,592.00	8	\$199.00
2 Data Collection and Field Investigation																		
	Data Collection and Compilation and Desktop Evaluation		\$0.00		\$0.00		\$0.00	8	\$1,056.00	8	\$880.00		\$0.00		\$1,936.00	16	\$121.00	
	Field Reconnaissance		\$0.00		\$0.00		\$0.00	8	\$1,232.00	8	\$1,056.00		\$0.00		\$2,288.00	16	\$143.00	
	Review of Survey and Geotech Report	2	\$488.00		\$0.00		\$0.00	4	\$616.00		\$0.00	2	\$220.00		\$1,324.00	8	\$165.50	
SUBTOTAL		2	\$488.00	0	\$0.00	0	\$0.00	12	\$1,848.00	16	\$2,112.00	10	\$1,100.00	0	\$5,548.00	40	\$138.70	
3 Project Hydrologic & Hydraulic Feasibility Evaluation																		
	Existing Conditions Analysis	1	\$244.00		\$0.00	4	\$700.00	16	\$2,464.00	72	\$9,504.00		\$0.00		\$12,912.00	93	\$138.84	
	Improvement Analysis	1	\$244.00		\$0.00		\$0.00	32	\$4,928.00	80	\$10,560.00	32	\$3,520.00		\$19,252.00	145	\$132.77	
	Feasibility Evaluation Technical Memorandum	2	\$488.00		\$0.00		\$0.00	6	\$924.00	32	\$4,224.00	16	\$1,760.00		\$7,396.00	56	\$132.07	
	QA/QC		\$0.00		\$0.00	4	\$700.00		\$0.00		\$0.00		\$0.00	2	\$116.00	6	\$136.00	
SUBTOTAL		4	\$976.00	0	\$0.00	8	\$1,400.00	54	\$8,316.00	184	\$24,288.00	48	\$5,280.00	2	\$116.00	\$40,376.00	300	\$134.59
4 Pump Station Basis of Design Report																		
	Initial System Description	1	\$244.00	4	\$896.00		\$0.00	4	\$616.00		\$0.00		\$0.00		\$1,756.00	9	\$195.11	
	Preliminary Site Plan	1	\$244.00		\$0.00		\$0.00	4	\$616.00		\$0.00	4	\$440.00		\$1,300.00	9	\$144.44	
	Preliminary Design Drawings	2	\$488.00	8	\$1,792.00	16	\$2,800.00	16	\$2,464.00	4	\$528.00	40	\$4,400.00		\$12,472.00	86	\$145.02	
	Specification Outline		\$0.00	1	\$224.00		\$0.00	4	\$616.00		\$0.00		\$0.00		\$840.00	5	\$168.00	
	Preliminary Cost Estimate		\$0.00	2	\$448.00	4	\$700.00		\$0.00		\$0.00		\$0.00		\$1,148.00	6	\$191.33	
	QA/QC	8	\$1,952.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$1,952.00	8	\$244.00	
	Basis of Design Report	2	\$488.00	2	\$448.00		\$0.00	4	\$616.00		\$0.00		\$0.00		\$1,552.00	8	\$194.00	
SUBTOTAL		14	\$3,416.00	17	\$3,808.00	20	\$3,500.00	32	\$4,928.00	4	\$528.00	44	\$4,840.00	0	\$21,020.00	131	\$160.46	
5 Final Design - Prepare Construction Plans, Specifications and Cost Estimate																		
Plans Preparation (60%, 95%, final)																		
	Cover Sheet with Location and Benchmark References - 1 sheet	1	\$244.00		\$0.00	1	\$175.00		\$0.00	1	\$132.00	2	\$220.00		\$771.00	5	\$154.20	
	General Notes, Summary of Qtys and Pay Items - 2 sheets	1	\$244.00		\$0.00	1	\$175.00		\$0.00	2	\$264.00	4	\$440.00		\$1,123.00	8	\$140.38	
	Project Layout, Benchmark, and Reference Ties Sheet - 1 sheet	1	\$244.00		\$0.00	1	\$175.00		\$0.00	3	\$396.00	8	\$880.00		\$1,695.00	13	\$130.38	
	Pump Station Sheets - 17 sheets	12	\$2,928.00	36	\$8,064.00	64	\$11,200.00	132	\$20,328.00	44	\$5,808.00	116	\$12,760.00		\$61,088.00	404	\$151.21	
	Pond Sheets - 3 sheets	3	\$732.00		\$0.00	6	\$1,050.00		\$0.00	12	\$1,584.00	30	\$3,300.00		\$6,666.00	51	\$130.71	
	Drainage & Miscellaneous Details - 2 sheets	1	\$244.00		\$0.00	4	\$700.00		\$0.00	8	\$1,056.00	16	\$1,760.00		\$3,760.00	29	\$129.66	
	Utility Adjustment / Relocation Details - 1 sheet	1	\$244.00		\$0.00	1	\$175.00		\$0.00	2	\$264.00	4	\$440.00		\$1,123.00	8	\$140.38	
	SWPPP and Temporary Erosion Control Plan - 5 sheets	1	\$244.00		\$0.00	2	\$350.00		\$0.00	4	\$528.00	12	\$1,320.00		\$2,442.00	19	\$128.53	
	Tree Protection / Removal Sheets - 2 sheets	1	\$244.00		\$0.00	2	\$350.00		\$0.00	6	\$792.00	16	\$1,760.00		\$3,146.00	25	\$125.84	
	Maintenance of Traffic and Access Control - 2 sheets	1	\$244.00		\$0.00	2	\$350.00		\$0.00	4	\$528.00	10	\$1,100.00		\$2,222.00	17	\$130.71	
	Geotechnical Detail Sheets - 1 sheet	1	\$244.00		\$0.00	1	\$175.00		\$0.00	2	\$264.00	4	\$440.00		\$1,123.00	8	\$140.38	
	Cost Estimate	1	\$244.00		\$0.00	8	\$1,400.00		\$0.00	30	\$3,960.00	12	\$1,320.00		\$6,924.00	51	\$135.76	
	Specifications	1	\$244.00		\$0.00	8	\$1,400.00		\$0.00	16	\$2,112.00		\$0.00		\$3,756.00	25	\$150.24	
	Utility Coordination	1	\$244.00		\$0.00	4	\$700.00		\$0.00	16	\$2,112.00		\$0.00		\$3,056.00	21	\$145.52	
	QA/QC	4	\$976.00	2	\$448.00	1	\$175.00		\$0.00		\$0.00		\$0.00		\$1,599.00	7	\$228.43	
SUBTOTAL		31	\$7,564.00	38	\$8,512.00	106	\$18,550.00	132	\$20,328.00	150	\$19,800.00	234	\$25,740.00	0	\$100,494.00	691	\$145.43	
5A Sheet Pile Design (optional task)																		
	Sheet Pile Design and Plan Sheets, Cost, and Specifications	20	\$4,880.00	44	\$9,856.00	80	\$14,000.00	150	\$23,100.00	64	\$8,448.00	136	\$14,960.00		\$75,244.00	494	\$152.32	
SUBTOTAL		20	\$4,880.00	44	\$9,856.00	80	\$14,000.00	150	\$23,100.00	64	\$8,448.00	136	\$14,960.00	0	\$75,244.00	494	\$152.32	

EXHIBIT A1 - FEE ESTIMATE

<i>Proposal for Sherwood Forest Stormwater Retrofit</i> <i>Volusia County, Florida</i>														<i>Date:</i> 08/12/25		<i>Contract:</i> 24-SQ-101KW		
Task	Activity	Principal Engineer		Senior Professional Engineer		Professional Engineer		Senior Staff Engineer		Staff Engineer		Drafter/CAD Operator		Clerical		Basic Activity Amount	Man-hours by Activity	Average Hourly Rate
		Rate = \$244.00	Rate = \$224.00	Rate = \$175.00	Rate = \$154.00	Rate = \$132.00	Rate = \$110.00	Rate = \$58.00	Manhours	Cost	Manhours	Cost	Manhours	Cost	Manhours			
6 Permitting																		
	SJRWMD Permitting Coordination	4	\$976.00		\$0.00		\$0.00	4	\$616.00		\$0.00		\$0.00		\$0.00	\$1,592.00	8	\$199.00
	Prepare Draft SJRWMD Permit Package	2	\$488.00		\$0.00		\$0.00	4	\$616.00	24	\$3,168.00	8	\$880.00		\$0.00	\$5,152.00	38	\$135.58
	Submit SJRWMD Permit Package	2	\$488.00		\$0.00		\$0.00	4	\$616.00	4	\$528.00		\$0.00		\$0.00	\$1,632.00	10	\$163.20
	QA/QC		\$0.00		\$0.00	8	\$1,400.00		\$0.00		\$0.00		\$0.00	2	\$116.00	\$1,516.00	10	\$151.60
	SUBTOTAL	8	\$1,952.00	0	\$0.00	8	\$1,400.00	12	\$1,848.00	28	\$3,696.00	8	\$880.00	2	\$116.00	\$9,892.00	66	\$149.88
7 Project Management																		
	Project Administration, management, reporting, meetings	24	\$5,856.00	16	\$3,584.00	8	\$1,400.00		\$0.00		\$0.00		\$0.00	24	\$1,392.00	\$12,232.00	72	\$169.89
	SUBTOTAL	24	\$5,856.00	16	\$3,584.00	8	\$1,400.00	0	\$0.00	0	\$0.00	0	\$0.00	24	\$1,392.00	\$12,232.00	72	\$169.89
SUB-TOTAL (LUMP SUM FEE):		87	\$21,228.00	71	\$15,904.00	150	\$26,250.00	246	\$37,884.00	382	\$50,424.00	344	\$37,840.00	28	\$1,624.00	\$191,154.00	1308	

SUBCONSULTANTS		
Name	Amount	Percentage
(1) ECHO UES (surveying and utility locates)	\$85,060.00	28.8%
(2) GEC (geotechnical)	\$16,963.50	5.7%
Total Subconsultant Fees:	\$102,023.50	34.6%

TOTAL LUMP SUM FEE COMPUTATIONS	
(1) Salary Cost (from above)	= \$191,154.00
(2) Expenses Allowance (1% of labor fees)	+ \$1,911.54
(3) Subtotal (Consultant's Fees) [(1)+(2)]	= \$193,065.54
(4) Subconsultant's Fees (from left)	+ \$102,023.50
Proposed Total Lump Sum Fee (optional sheet pile scope not included)	= \$295,089.04
Optional Sheet Pile Scope Fee	= \$75,244.00
Proposed Total Lump Sum Fee (sheet pile scope included)	= \$370,333.04

ATTACHMENT 2

Geotechnical Scope of Services and Fee Estimate

Sherwood Forest Stormwater Retrofit Project

Volusia County, Florida

GEC Proposal No. P12265G

ITEM	QUANTITY	UNIT	UNIT RATE	COST	NOTES
FIELD SERVICES					
Truck Rig Mobilization	1	EACH	\$750.00	\$750.00	
Support Truck	2	DAY	\$250.00	\$500.00	
GPS Unit	1	DAY	\$120.00	\$120.00	
Drill Rig and Crew – Truck/Mud Bug (3 person)	2	HOUR	\$400.00	\$800.00	
Field Permeability (0 – 10 ft) – Truck	2	EACH	\$450.00	\$900.00	
SPT Borings – Truck (0 - 50 Ft)	150	FOOT	\$20.50	\$3,075.00	
SPT Borings – Truck (50 - 100 Ft)	15	FOOT	\$22.50	\$337.50	
3 - inch Casing – Truck (0 - 50 ft)	30	FOOT	\$13.50	\$405.00	
Borehole Grouting – Truck (0 - 50 Ft)	150	FOOT	\$9.00	\$1,350.00	
Borehole Grouting – Truck (50 - 100 Ft)	15	FOOT	\$11.00	\$165.00	
FIELD SERVICES TOTAL COST				\$8,402.50	
LABORATORY SERVICES					
Natural Moisture Content	6	EACH	\$20.50	\$123.00	
Sieve Analysis - Soil	8	EACH	\$82.50	\$660.00	
Organic Content	2	EACH	\$54.00	\$108.00	
Atterberg Limits (Plastic & Liquid Limits)	4	EACH	\$145.00	\$580.00	
Corrosion Series	2	EACH	\$290.00	\$580.00	
LABORATORY SERVICES TOTAL COST				\$2,051.00	
PROFESSIONAL SERVICES					
Senior Engineer	6	HOUR	\$270.00	\$1,620.00	
Engineer Intern	24	HOUR	\$135.00	\$3,240.00	
Senior Engineering Technician	6	HOUR	\$145.00	\$870.00	
Draftsman	5	HOUR	\$120.00	\$600.00	
Secretary	2	HOUR	\$90.00	\$180.00	
PROFESSIONAL SERVICES TOTAL COST				\$6,510.00	
TOTAL COST ESTIMATE				\$16,963.50	

AMENDMENT NO. 1 TO THE JOINT PROJECT AGREEMENT BETWEEN COUNTY OF VOLUSIA AND THE CITY OF SOUTH DAYTONA FOR THE STEVENS CANAL BANK STABILIZATION PROJECT (AMENDMENT)

THE JOINT PROJECT AGREEMENT (AGREEMENT) made and entered into on June 17, 2025, by and between the **County of Volusia (COUNTY)**, a political subdivision of the State of Florida, and the **City of South Daytona (CITY)**, a municipal corporation of the State of Florida, for the **Stevens Canal Bank Stabilization** project (PROJECT) is amended as follows:

The AGREEMENT is hereby amended to add Section “J. PROJECT COST.” Section J, PROJECT COST is inserted into the AGREEMENT as follows:

1. The estimated total cost of the project, to include design and construction, is **\$2,500,000.00 (Two million, five hundred thousand dollars and 00/100)**. The COUNTY agrees to participate in the PROJECT cost up to a maximum amount of **\$2,500,000.00 (Two million, five hundred thousand dollars and 00/100)** using Community Development Block Grant – Disaster Recovery (CDBG-DR) funds provided by the Department of Housing and Urban Development (HUD) Grant B-23-UN-12-0005. The CITY’s committed local match amount is **\$0.00 (Zero dollars and 00/100)**. This equates to the pro-rata share of **0%**. The CITY will be invoiced by the COUNTY for project costs at this pro-rata throughout the life of the project, up to and not including costs of the project above and beyond the funding provided by the HUD Grant.
2. The actual cost of design services for the PROJECT is **\$493,086.76 (Four hundred ninety-three thousand, eighty-six dollars and 76/100)**. This amount is based upon the scope and schedule of values in **EXHIBIT A**, attached to and incorporated in this AGREEMENT.

This AMENDMENT NO. 1 sets forth the entire modifications to the AGREEMENT. Except as provided above, all other terms and conditions of the AGREEMENT shall remain unchanged and in full force and effect and are hereby ratified and reaffirmed by the parties hereto. In the event of any conflict or inconsistency between the provisions set forth in this AMENDMENT NO. 1 and the AGREEMENT, this AMENDMENT NO. 1 shall govern and control.

IN WITNESS WHEREOF, the Parties hereto have made and executed this AGREEMENT as of the latest day and year written below.

ATTEST:

CITY OF SOUTH DAYTONA

JAMES L. GILLIS, JR.
CITY MANAGER

BY: _____
WILLIAM C. HALL
MAYOR

DATE: _____

Approved as to form
and correctness:

WADE C. VOSE
CITY ATTORNEY

IN WITNESS WHEREOF, the Parties hereto have made and executed this AGREEMENT as of the latest day and year written below.

ATTEST:

COUNTY OF VOLUSIA, FLORIDA

GEORGE RECKTENWALD
COUNTY MANAGER

BY: _____
JEFFREY S. BROWER, CHAIR
COUNTY COUNCIL

DATE: _____

Approved as to form
and correctness:

THOMAS R. (RUSS) BROWN, III
DEPUTY COUNTY ATTORNEY

EXHIBIT A1 - FEE ESTIMATE

Proposal for Stevens Canal Bank Stabilization															Date: 09/23/25			
Volusia County, Florida															Contract: 24-SQ-101KW			
Task	Activity	Principal Engineer		Senior Professional Engineer		Professional Engineer		Senior Staff Engineer		Staff Engineer		Drafter/CAD Operator		Clerical		Basic Activity Amount	Man-hours by Activity	Average Hourly Rate
		Rate = \$244.00		Rate = \$224.00		Rate = \$175.00		Rate = \$154.00		Rate = \$132.00		Rate = \$110.00		Rate = \$58.00				
		Manhours	Cost	Manhours	Cost	Manhours	Cost	Manhours	Cost	Manhours	Cost	Manhours	Cost	Manhours	Cost			
1 Project Kick-off																		
	Project Kick-off Meeting	4	\$976.00		\$0.00		\$0.00	4	\$616.00		\$0.00		\$0.00		\$0.00	\$1,592.00	8	\$199.00
SUBTOTAL		4	\$976.00	0	\$0.00	0	\$0.00	4	\$616.00	0	\$0.00	0	\$0.00	0	\$0.00	\$1,592.00	8	\$199.00
2 Data Collection and Field Investigation																		
	Data Collection and Compilation and Desktop Evaluation		\$0.00		\$0.00		\$0.00		\$0.00	8	\$1,056.00	8	\$880.00		\$0.00	\$1,936.00	16	\$121.00
	Field Reconnaissance		\$0.00		\$0.00		\$0.00	8	\$1,232.00	8	\$1,056.00		\$0.00		\$0.00	\$2,288.00	16	\$143.00
	Review of Survey, Geotech, and Ecological Report	3	\$732.00		\$0.00		\$0.00	6	\$924.00		\$0.00	3	\$330.00		\$0.00	\$1,986.00	12	\$165.50
SUBTOTAL		3	\$732.00	0	\$0.00	0	\$0.00	14	\$2,156.00	16	\$2,112.00	11	\$1,210.00	0	\$0.00	\$6,210.00	44	\$141.14
3 Project Hydrologic & Hydraulic Feasibility Evaluation																		
	Existing Conditions Analysis	1	\$244.00		\$0.00	12	\$2,100.00	26	\$4,004.00	48	\$6,336.00		\$0.00		\$0.00	\$12,684.00	87	\$145.79
	Improvement Analysis	1	\$244.00		\$0.00	8	\$1,400.00	14	\$2,156.00	40	\$5,280.00	32	\$3,520.00		\$0.00	\$12,600.00	95	\$132.63
	Feasibility Evaluation Technical Memorandum	2	\$488.00		\$0.00	2	\$350.00	4	\$616.00	20	\$2,640.00	8	\$880.00		\$0.00	\$4,974.00	36	\$138.17
	QA/QC	2	\$488.00	4	\$896.00		\$0.00		\$0.00		\$0.00		\$0.00	2	\$116.00	\$1,500.00	8	\$187.50
SUBTOTAL		6	\$1,464.00	4	\$896.00	22	\$3,850.00	44	\$6,776.00	108	\$14,256.00	40	\$4,400.00	2	\$116.00	\$31,758.00	226	\$140.52
4 Final Design - Prepare Construction Plans, Specifications and Cost Estimate																		
Plans Preparation (60%, 95%, final)																		
	Cover Sheet with Location and Benchmark References - 1 sheet	1	\$244.00		\$0.00	1	\$175.00		\$0.00	2	\$264.00	2	\$220.00		\$0.00	\$903.00	6	\$150.50
	General Notes, Summary of Qtys and Pay Items - 2 sheets	1	\$244.00		\$0.00	1	\$175.00		\$0.00	6	\$792.00	6	\$660.00		\$0.00	\$1,871.00	14	\$133.64
	Project Layout, Benchmark, and Reference Ties Sheet - 12 sheets	1	\$244.00		\$0.00	1	\$175.00		\$0.00	8	\$1,056.00	10	\$1,100.00		\$0.00	\$2,575.00	20	\$128.75
	Sheet Pile Layout and Details - 20 sheets	24	\$5,856.00	66	\$14,784.00	124	\$21,700.00	210	\$32,340.00	482	\$63,624.00	580	\$63,800.00		\$0.00	\$202,104.00	1486	\$136.01
	Drainage & Miscellaneous Details - 4 sheets	1	\$244.00		\$0.00	2	\$350.00		\$0.00	12	\$1,584.00	14	\$1,540.00		\$0.00	\$3,718.00	29	\$128.21
	Utility Adjustment / Relocation Details - 1 sheet	1	\$244.00		\$0.00	1	\$175.00		\$0.00	6	\$792.00	8	\$880.00		\$0.00	\$2,091.00	16	\$130.69
	SWPPP and Temporary Erosion Control Plan - 12 sheets	1	\$244.00		\$0.00	2	\$350.00		\$0.00	10	\$1,320.00	16	\$1,760.00		\$0.00	\$3,674.00	29	\$126.69
	Tree Protection / Removal Sheets - 8 sheets	1	\$244.00		\$0.00	4	\$700.00		\$0.00	22	\$2,904.00	32	\$3,520.00		\$0.00	\$7,368.00	59	\$124.88
	Maintenance of Traffic and Access Control - 2 sheets	1	\$244.00		\$0.00	2	\$350.00		\$0.00	10	\$1,320.00	12	\$1,320.00		\$0.00	\$3,234.00	25	\$129.36
	Geotechnical Detail Sheets - 1 sheet	1	\$244.00		\$0.00	1	\$175.00		\$0.00	8	\$1,056.00	8	\$880.00		\$0.00	\$2,355.00	18	\$130.83
	Cost Estimate	1	\$244.00		\$0.00	8	\$1,400.00		\$0.00	42	\$5,544.00	20	\$2,200.00		\$0.00	\$9,388.00	71	\$132.23
	Specifications	1	\$244.00		\$0.00	16	\$2,800.00		\$0.00	34	\$4,488.00		\$0.00		\$0.00	\$7,532.00	51	\$147.69
	Utility Coordination	1	\$244.00		\$0.00	8	\$1,400.00		\$0.00	32	\$4,224.00		\$0.00		\$0.00	\$5,868.00	41	\$143.12
	QA/QC		\$0.00	2	\$448.00	4	\$700.00		\$0.00		\$0.00		\$0.00		\$0.00	\$1,148.00	6	\$191.33
SUBTOTAL		36	\$8,784.00	68	\$15,232.00	175	\$30,625.00	210	\$32,340.00	674	\$88,968.00	708	\$77,880.00	0	\$0.00	\$253,829.00	1871	\$135.66

EXHIBIT A1 - FEE ESTIMATE

<i>Proposal for Stevens Canal Bank Stabilization</i>															<i>Date: 09/23/25</i>			
<i>Volusia County, Florida</i>															<i>Contract: 24-SQ-101KW</i>			
Task	Activity	Principal Engineer		Senior Professional Engineer		Professional Engineer		Senior Staff Engineer		Staff Engineer		Drafter/CAD Operator		Clerical		Basic Activity Amount	Man-hours by Activity	Average Hourly Rate
		Rate = \$244.00		Rate = \$224.00		Rate = \$175.00		Rate = \$154.00		Rate = \$132.00		Rate = \$110.00		Rate = \$58.00				
		Manhours	Cost	Manhours	Cost	Manhours	Cost	Manhours	Cost	Manhours	Cost	Manhours	Cost	Manhours	Cost			
5 Permitting																		
	SJRWMD Permitting Coordination	4	\$976.00		\$0.00		\$0.00	4	\$616.00		\$0.00		\$0.00		\$0.00	\$1,592.00	8	\$199.00
	Prepare Draft SJRWMD Permit Package	2	\$488.00		\$0.00		\$0.00	4	\$616.00	24	\$3,168.00	8	\$880.00		\$0.00	\$5,152.00	38	\$135.58
	Submit SJRWMD Permit Package	2	\$488.00		\$0.00		\$0.00	4	\$616.00	4	\$528.00		\$0.00		\$0.00	\$1,632.00	10	\$163.20
	QA/QC		\$0.00		\$0.00	8	\$1,400.00		\$0.00		\$0.00		\$0.00	2	\$116.00	\$1,516.00	10	\$151.60
SUBTOTAL		8	\$1,952.00	0	\$0.00	8	\$1,400.00	12	\$1,848.00	28	\$3,696.00	8	\$880.00	2	\$116.00	\$9,892.00	66	\$149.88
6 Project Management																		
	Project Administration, management, reporting, meetings	30	\$7,320.00	24	\$5,376.00	20	\$3,500.00		\$0.00		\$0.00		\$0.00	24	\$1,392.00	\$17,588.00	98	\$179.47
SUBTOTAL		30	\$7,320.00	24	\$5,376.00	20	\$3,500.00	0	\$0.00	0	\$0.00	0	\$0.00	24	\$1,392.00	\$17,588.00	98	\$179.47
SUB-TOTAL (LUMP SUM FEE):		87	\$21,228.00	96	\$21,504.00	225	\$39,375.00	284	\$43,736.00	826	\$109,032.00	767	\$84,370.00	28	\$1,624.00	\$320,869.00	2313	

SUBCONSULTANTS			TOTAL LUMP SUM FEE COMPUTATIONS		
	Name	Amount	Percentage		
(1)	ECHO UES (surveying and utility locates)	\$106,965.00	21.7%	(1) Salary Cost (from above)	= \$320,869.00
(2)	GEC (geotechnical)	\$52,782.00	10.7%	(2) Expenses Allowance (1% of labor fees)	+ \$3,208.69
(3)	Applied Ecology, Inc. (ecological)	\$9,261.07	1.9%	(3) Subtotal (Consultant's Fees) [(1)+(2)]	= \$324,077.69
Total Subconsultant Fees:		\$169,008.07	34.3%	(4) Subconsultant's Fees (from left)	+ \$169,008.07
				Proposed Total Lump Sum Fee [(3)+(4)]	= \$493,085.76

Fee: ECHO's competitive offer, which is inclusive of all field, office, materials, supplies, and equipment costs is detailed below.

- **Perform services as described for the Red limits; Fixed Fee: \$106,965.00**

Acceptance: We will honor this proposal for 90 days. If accepted, please return to our attention together with a professional services agreement/task work order authorization and official Notice to Proceed.

At ECHO UES, Inc. we believe in collaboration and communication with our clients and are driven to understand their needs and provide time-efficient and cost-effective solutions. ECHO strives to provide quality utility and survey reliable data to design better, build faster, and safely enhance Engineering, Design, Construction and Maintenance of infrastructure.

Thank you for considering ECHO for this important project and please do not hesitate to contact me directly should you have any questions or concerns.

Sincerely,



Joseph C Stukey, PSM
Senior Project Manager
ECHO UES, Inc.

ATTACHMENT 2

Geotechnical Scope of Services and Fee Estimate

Stevens Canal Stormwater Retrofit Project

Volusia County, Florida

GEC Proposal No. P12266G

ITEM	QUANTITY	UNIT	UNIT RATE	COST	NOTES
FIELD SERVICES					
Truck Rig Mobilization	1	EACH	\$750.00	\$750.00	
Support Truck	14	DAY	\$250.00	\$3,500.00	
GPS Unit	2	DAY	\$120.00	\$240.00	
Drill Rig and Crew – Truck/Mud Bug (2 person)	14	HOUR	\$300.00	\$4,200.00	0.5 Hr per boring. Boring access, coordination, clearing, cleanup.
SPT Borings – Truck (0 - 50 Ft)	980	FOOT	\$20.50	\$20,090.00	28 @ 35'
FIELD SERVICES TOTAL COST				\$28,780.00	
LABORATORY SERVICES					
Natural Moisture Content	20	EACH	\$20.50	\$410.00	
Percent Fines	32	EACH	\$55.00	\$1,760.00	
Organic Content	8	EACH	\$54.00	\$432.00	
Atterberg Limits (Plastic & Liquid Limits)	12	EACH	\$145.00	\$1,740.00	
Corrosion Series	5	EACH	\$290.00	\$1,450.00	
LABORATORY SERVICES TOTAL COST				\$5,792.00	
PROFESSIONAL SERVICES					
Senior Engineer	18	HOUR	\$270.00	\$4,860.00	
Engineer Intern	54	HOUR	\$135.00	\$7,290.00	
Senior Engineering Technician	24	HOUR	\$145.00	\$3,480.00	
Draftsman	20	HOUR	\$120.00	\$2,400.00	
Secretary	2	HOUR	\$90.00	\$180.00	
PROFESSIONAL SERVICES TOTAL COST				\$18,210.00	
TOTAL COST ESTIMATE				\$52,782.00	

Applied Ecology, Inc.

Task 1: Project Kick-Off, Coordination, and Project Management

Subtask	Description	Sr. Project Manager (\$169.05)	Sr. Env. Scientist (\$121.80)	Env. Scientist IV (\$105.53)	Administrative Support Staff (\$42.53)	Total Hours	Total Cost
1	Project Kick-Off, Coordination, and Project Management	0	6	0	4	10	\$ 900.92
ALL	Total Project Kick-Off, Coordination, and Project Management	0	6	0	4	10	\$ 900.92

Task 2: Data Compilation, Desktop Review, and Field Assessment

Subtask	Description	Sr. Project Manager (\$169.05)	Sr. Env. Scientist (\$121.80)	Env. Scientist IV (\$105.53)	Administrative Support Staff (\$42.53)	Total Hours	Total Cost
1	Data Compilation and Desktop Review	0	0	6	0	6	\$ 633.18
2	Field Assessment	0	10	10	0	20	\$ 2,273.30
3	Data Management	0	0	6	0	6	\$ 633.18
ALL	Total Data Compilation, Desktop Review, and Field Assessment	0	10	22	0	32	\$ 3,539.66

Task 3: Summary Report

Subtask	Description	Sr. Project Manager (\$169.05)	Sr. Env. Scientist (\$121.80)	Env. Scientist IV (\$105.53)	Administrative Support Staff (\$42.53)	Total Hours	Total Cost
1	Draft Report	1	8	20	0	29	\$ 3,254.05
2	Final Report	0	4	8	0	12	\$ 1,331.44
ALL	Total Summary Report	1	12	28	0	41	\$ 4,585.49

Major Task Summary

Task	Description	Sr. Project Manager (\$169.05)	Sr. Env. Scientist (\$121.80)	Env. Scientist IV (\$105.53)	Administrative Support Staff (\$42.53)	Total Hours	Total Cost
1	Project Kick-Off, Coordination, and Project Management	0	6	0	4	10	\$ 900.92
2	Data Compilation, Desktop Review, and Field Assessment	0	10	22	0	32	\$ 3,539.66
3	Summary Report	1	12	28	0	41	\$ 4,585.49
Total Labor		1	28	50	4	83	\$9,026.07
Project Expenses							\$ 235.00
Total Project							\$9,261.07

Applied Ecology, Inc.

	UNIT	RATE/UNIT	Task 1		Task 2		Task 3		ALL TASKS	
			# UNITS	Task 1 ITEM COST	# UNITS	Task 2 ITEM COST	# UNITS	Task 3 ITEM COST	# UNITS	ALL TASKS ITEM COST
FIELD EXPENSES:										
GENERAL FIELD EXPENSES										
GPS Unit SxBlue with iPhone/table	Day	\$100.00	0	\$0.00	1	\$100.00	0	\$0.00	1	\$100.00
WATER RESOURCES EXPENSES										
Field Sampling Supplies (decon, jars, bottles, foil, disposables, etc.)	Day	\$50.00	0	\$0.00	1	\$50.00	0	\$0.00	1	\$50.00
FIELD VEHICLES AND VESSELS										
Field Vehicle	Day	\$85.00	0	\$0.00	1	\$85.00	0	\$0.00	1	\$85.00
DRONE EXPENSES:										
TOTAL FIELD EXPENSES:				\$0.00		\$235.00		\$0.00		\$235.00
				\$0.00		\$235.00		\$0.00		\$235.00