



225 E. Robinson Street  
Suite 505  
Orlando, FL 32801

August 23, 2017

Ms. Jo Ann Macrina, Deputy Director  
City of Daytona Beach  
Utilities Engineering Division  
125 Basin Street, Ste. 100  
Daytona Beach, FL 32114

RE: TMDL Reduction to Halifax River/Aquifer Recharge  
Work Authorization Agreement No. 9—Change Order No. 1  
Supplemental Permitting Services to Obtain Major Modification of NPDES Permit As Required to  
Keep Project on Schedule with Grant Requirements  
Continuing Services Contract No. 6235-CH

Dear Ms. Macrina:

Please find attached, CH2M HILL Engineers, Inc.'s ("the CONSULTANT") proposal for Change Order No. 1 to Work Authorization No. 9, Additional Services for Completion of Assistance During Bidding and Construction. This work will be performed in conformance with CH2M's Continuing Services Contract No. 6235-CH. This proposal includes our Scope of Services and Fee Schedule as outlined below.

**Scope of Services:** CH2M provided professional engineering services to assist the City of Daytona Beach in the design, permitting, during bidding and construction, and monitoring of the Bennett Swamp Aquifer Recharge Project. Specifically, these services included an increased level of effort required to obtain a Major Modification of the NPDES Permit as required to keep project on schedule with grant requirements. The compression of the constrained schedule required an increase in level of expertise.

**Project Schedule:** The services were provided during period of November 1, 2016 and June 30, 2017.

**Compensation:** The compensation for this assignment, as detailed above, will be a not to exceed limit of \$54,011.76. Labor and reimbursable expenses will be billed in accordance with the approved rates specified in Exhibit B of the Continuing Services Contract.

Labor	\$53,920.80
Expenses	\$639.76

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TOTAL FEE NOT TO EXCEED	\$54,560.56
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The following attachments are incorporated into this Proposal:

Attachment "A" Scope of Services

Attachment "B" Compensation Schedule (breakdown of the man hours and expenses as noted above)

This Proposal is valid for 60 days from the date shown in the header. If this Proposal is acceptable to you, please issue a Purchase Order to CH2M HILL Engineers, Inc. under Continuing Services Contract No. 6235-CH, Change Order No. 1 to Work Authorization No. 9.

Should you have any questions and/or comments regarding this Proposal, please do not hesitate to contact Timothy Walsh (407-650-2182).

Respectfully,

CH2M HILL Engineers, Inc.



Cory Hooper, P.E.  
Operations Manager

Enclosure

cc: Timothy B. Walsh, P.E./CH2M

Attachment A  
TMDL Reduction to Halifax River/Aquifer Recharge  
Design/Permitting/Assistance During Construction/Monitoring  
Change Order No. 1

Supplemental Permitting Services to Obtain Major Modification of NPDES Permit Required to Keep  
Project on Schedule with Grant Requirements

Scope of Services

The CONSULTANT shall provide Professional Stormwater and Environmental Engineering Services to design, permit, provide assistance during bidding and construction, and provide monitoring of the proposed aquifer recharge and wetland hydroperiod restoration of the Bennett Swamp by means of dispersing treated wastewater at a rate of 4 to 11.6 million gallons per day (MGD). This project will also provide environmental benefits to the Halifax River by reducing the nutrient loading by between 36,000 to 72,000 lbs of Nitrogen per year and as such reduce the Total Maximum Daily Load (TMDL). The project will be designed and permitted through FAC 62-611.

This Change Order No. 1 is required to provide compensation for the unforeseen efforts required to process the Major Modification to the NPDES Permit and to obtain approval for a 'Flowage Easement' from the Acquisition and Restoration Council (ARC) in Tallahassee, FL in April, 2017. The Grant schedules required that the permitting schedule could not be extended as a result of these additional work efforts. Therefore, an increase in level of expertise was required to meet the Grant schedules. These tasks and the compression of an already constrained schedule was not anticipated under the original scope of services. The CONSULTANT provided these additional services:

- 2 Additional Trips for Meetings with SJRWMD in Palatka, FL
- 2 Additional Trips and Meetings with Florida Forest Service on site
- Additional NPDES Major Modification Efforts
- Flowage Easement for NPDES Major Modification
- Preparation Work for ARC Meeting
- Attending and Presenting Project at ARC Meeting on April 20, 2017

A detailed fee proposal for this Change Order No. 1 Scope of Services is provided as Attachment B.

These services were provided between November 1, 2016 and June 30, 2017.

CHANGE ORDER NO. 1 TO  
WORK AUTHORIZATION  
No. 9

Supplemental Permitting Services to Obtain Major  
Modification of NPDES Permit Required to Keep  
Project On Schedule with Grant Requirements



Attachment B

TMDL Reduction to Halifax  
River/Aquifer Recharge

Prepared by: Walsh 16-Aug-17

ITEM	Task Description	Project Manager		Sr. Technical Specialist		Sr. Civil Engineer		SUB - Surveyors		Civil Engineers		Structural Engineers		Engineers Interns-- Graduate with EI license		Planners /Grant Specialists		Enviro. Scientists		Designers /CADD Tech Assistant		Admin. Assistant		Total Hours	
		Hours	RATE	Hours	RATE	Hours	RATE	Hours	RATE	Hours	RATE	Hours	RATE	Hours	RATE	Hours	RATE	Hours	RATE	Hours	RATE	Hours	RATE		Hours
1	Additional Trips/Meetings with SJRWMD Palatka	16		6															16						38
2	Additional Trips/Meeting with FFS	6		12															16						34
3	Additional NPDES Major Modification Efforts	16		16															16						32
4	Flowage Easement for NPDES Major Modification	40		16		18													40						74
5	Preparation Work for ARC Meeting	40		30		36													40						114
6	Trip to Tallahassee for ARC Meeting	16																							16
7																									0
	SUBTOTAL MANHOURS WA #9 SUPPLEMENTAL	134		80		54		0		0		0		0		0		0	40		0		0		0
	SUBTOTAL COSTS WA#9 SUPPLEMENTAL	\$24,694.86		\$15,899.20		\$7,781.94		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	\$5,544.80		\$0.00		\$0.00		\$53,920.80
	TOTAL HOURS	134		80		54		0		0		0		0		0		0	40		0		0		308
	TOTAL LABOR COSTS based on RATES ABOVE	\$24,694.86		\$15,899.20		\$7,781.94		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	\$5,544.80		\$0.00		\$0.00		\$53,920.80 check

EXPENSES			
MILEAGE	# OF TRIPS	MILES/ TRIP	RATE
Palatka	2	212	0.535 \$
ARC Meeting Tallahassee	1	512	0.535 \$
Per Diem HOTEL	1	1.5	94 \$
Per Diem			30 \$
			45.00
EXPENSE TOTAL			\$ 639.76
TOTAL SUPPLEMENTAL COSTS			\$ 54,560.56