

Canal Reclamation
16946

MOCK • ROOS
ENGINEERS • SURVEYORS • PLANNERS

August 6, 2015
Revised August 28, 2015

Mr. Jim Barnes, Director of Operations
Wellington
12300 W. Forest Hill Boulevard
Wellington, FL 33414

Ref. No.: B5703.00
Subject: Evaluation of Alternatives for Maintaining the Existing Canal Right-of-Ways

Dear Mr. Barnes:

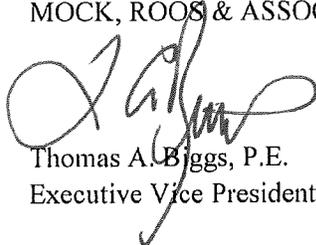
We are submitting the attached *Proposal To Provide Professional Services to Wellington for Evaluation of Alternatives for Maintaining the Existing Canal Right of Ways*. Please review the attached proposal and return one signed copy to our office as our authorization to proceed with the Scope of Services outlined in the proposal. To minimize duplication of previous efforts, we will utilize the services of Wantman Group, Inc. (WGI) as our surveying consultant. We have included a \$9,000 allowance for surveying services.

We will provide the Scope of Services on a lump sum basis. The total fee to provide the Scope of Services is \$55,000.

If you have any questions please contact me at 683-3113, extension 216. Thank you for using Mock•Roos on this project. We look forward to working with you.

Sincerely,

MOCK, ROOS & ASSOCIATES, INC.



Thomas A. Biggs, P.E.
Executive Vice President

TAB:cbm
Enclosure
Copies: Bookkeeping

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Mock, Roos & Associates, Inc.

5720 Corporate Way, West Palm Beach, Florida 33407-2066, (561) 683-3113, fax 478-7248

**Proposal To Provide Professional Services
To Wellington for Evaluation of Alternatives for Maintaining
the Existing Canal Right-of-Ways**

Services to be provided by: Mock•Roos
Services provided to (Client): Wellington
Proposal Date: August 6, 2015
Revised August 28, 2015

Proposal Terms

A. Project Description:

The Village of Wellington recently completed a Canal Maintenance Project (Phase V) depicted by black circled area on attached Exhibit A. The highlighted canals outside of the black circled area depict the canals scheduled for maintenance in Phase VI, anticipated to proceed in 2016. Village staff has requested Mock•Roos assist in reviewing Village maintenance obligations, objectives, priorities, and alternative methods to develop recommendations for the Phase VI project. Mock•Roos will provide the Scope of Services for the project as outlined below in **B. Scope of Services.**

B. Scope of Services:

1. Coordinate with Wellington staff to obtain and review the project requirements from Wellington, including copies of existing ordinances covering canal and lake bank maintenance and any existing permits the Village has either received or issued for improvement within the canal right-of-way and any photos or other information the Village has obtained. Wellington will provide copies of above information in its files at no cost.
2. Coordinate with Wellington staff on any questions regarding the project requirements for inspections and maintenance including means and methods and associated costs (including spraying, dredging, erosion repair and protection, etc.) successfully used on past projects.
3. Obtain and review equipment catalogs and performance reports for existing equipment and alternative canal inspection and maintenance procedures. Conduct phone interviews with current users.
4. Coordinate with WGI regarding existing surveying completed for Phase V and portions of Phase VI.
5. Coordinate with WGI to obtain additional surveying information where needed (representative cross sections.). Overlay field survey data with recently updated Lidar data and aerial photographs.

6. Produce exhibits at an appropriate scale to depict information obtained from survey and field efforts including access for each section of the canals in Phase VI. Identify right-of-way encroachments, erosion problems, vegetation issues, and identified canal design deficiencies.
7. Review in field specific areas of concern and prepare photo exhibits of specific maintenance issues (access, excessive over bank vegetation, erosion, tree roots/obstructions overhang, in canal vegetation).
8. Compare existing canal cross sections to design cross sections and quantify impacts on system performance (particularly flood protection) and maintainability.
9. Evaluate risks and liabilities associated with inspections, encroachments and required system maintenance activities. Review with Wellington staff.
10. Review policies and procedures for inspections and maintenance of other similar special districts and municipalities (such as South Florida Water Management District, Northern Palm Beach County Improvement District, Lake Worth Drainage District, South Indian River Water Control District, Village of Royal Palm Beach, and City of West Palm Beach) for applicability to Wellington. Review application with Wellington staff.
11. Develop a Technical Memorandum documenting above efforts and make recommendations to Wellington regarding maintenance of Phase VI canals.
12. Meet with staff and Council to present report findings and recommendations.
13. Provide periodic progress reports during performance of the above tasks.

C. Additional Services:

1. Any services not included in the Scope of Services will be considered Additional Services.
2. Additional Services can be provided upon Mock•Roos receiving signed authorization from Client.

D. Fees and Rates:

1. Mock•Roos will complete these services on a lump sum basis.
2. The total fee to provide the Scope of Services is \$55,000.
3. Mock•Roos will not provide services in excess of the anticipated fee without signed authorization from Client.
4. Mock•Roos can provide Additional Services at the Mock•Roos rates in effect at that time or for an agreed upon lump sum fee.

E. Conditions:

1. All terms become valid upon Mock•Roos receiving one complete copy of this proposal within 30 days of its date.
2. This Proposal is based on the Scope of Services being completed on or before April 1, 2016.
3. This proposal serves as a supplement to the general agreement (Resolution R-2011-69) between Mock•Roos and Client dated October 11, 2011.

F. Acceptance and Authorization to Proceed:

1. This proposal is acceptable and Mock•Roos has authorization to proceed with the Scope of Services. This authorization becomes valid upon Mock•Roos receiving one **complete** copy of this form with an original signature below.

CLIENT

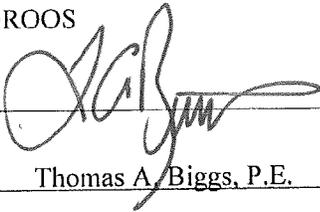
Signed: _____

Name: _____

Title: _____

Date: _____

MOCK•ROOS

Signed:  _____

Name: Thomas A. Biggs, P.E.

Title: Executive Vice President

August 6, 2015

Date: Revised August 28, 2015

**Please return one complete copy of this form
with an original signature to Mock•Roos. Thank you.**

Provide Professional Services to Wellington													
for Evaluation of Alternatives for Maintaining the Existing Canal Right-of-Ways													
Labor Classification and Hourly Rate													
Mock*Roos													
Task No.	Task Description	Corporate Officer		Senior Project Manager		Project Engineer		Designer CADD Technician		Senior Admin. Assist.		Mock*Roos Total Labor	Survey Allowance
1	Review Project Requirements			8		8					4	20	
2	Coordinate w/Wellington staff regarding project requirements			8		8						16	
3	Obtain/review equipment catalogs/performance reports			8		24					8	40	
4	Coordinate with WGI re existing survey completed	2		4							2	8	
5	Coordinate w/WGI obtain addl surveying info	2		4								6	9,000
6	Produce color exhibits for each section of canals			8		32			32		8	80	
7	Review specific areas of concern/prepare photo exhibits			8		8			12		8	36	
8	Compare canal cross sections to design cross sections			8		8			8			16	
9	Evaluate risks/liability associated w/maintenance issues	2		24		16					8	50	
10	Review policies/maintenance procedures of similar districts			24		40					8	32	
11	Develop Technical Memorandum	8		16					16		24	104	
12	Meet w/staff and Council to present report findings	4		4								8	
13	Provide periodic progress reports			12					12		12	36	
	Labor Subtotal Hours			18		144			80		82	452	
	Labor Hourly Rates (Wellington)			140		90			85		50		
	Labor Totals			2,520		17,920			6,800		4,100	44,300	9,000
	Subconsultant Multiplier												
	Subconsultant Total with Markup												
	Reimbursable Expenses (Reproducibles, etc.)			1,700									
	Project Totals			\$55,000.00									