



# MOCK•ROOS

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CONSULTING ENGINEERS

November 5, 2019

Shannon LaRocque, P.E.  
Utilities Director  
Village of Wellington  
12300 Forest Hill Blvd.  
Wellington, FL 33414

Ref. No.: B8704.30  
Subject: 50<sup>th</sup> Street South Raw Water Watermain – Design Phase Services Proposal

Dear Shannon:

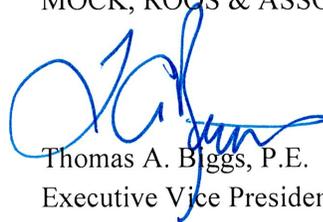
We are submitting the attached *Proposal to Provide Design Phase Services for the 50<sup>th</sup> Street South Raw Water Watermain Project*. Please review the attached proposal and return one signed copy to our office as our authorization to proceed with the Scope of Services outlined in the proposal.

We will provide the Scope of Services for a lump sum fee of \$54,264.00.

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:jeh  
Enclosure  
Copies: Bookkeeping

# **Proposal to Provide Design and Bid Phase Services For the 50<sup>th</sup> Street South Raw Water Watermain Replacement Project**

**Services to be provided by:** Mock•Roos

**Services provided to (Village):** Village of Wellington

**Proposal Date:** November 5, 2019

## **Proposal Terms**

### **Background**

The Village currently has an existing raw water main located in 50<sup>th</sup> Street South which serves Wells 18, 19, 20, and 21 in the southern wellfield located along the south border of Wycliffe. This portion of raw water main has a history of recent breaks, making the service condition of these wells unreliable. Additionally, the Village intends to construct new Wells 32, 33, 34, 35, and 36 along 50<sup>th</sup> Street South between the C-8 Canal and the C-7 Canal. A new larger raw water main is needed to reliably serve these nine (9) water supply wells.

### **A. Project Description:**

This project is to design a replacement raw water main for the existing main along 50<sup>th</sup> Street South from SR 441 to the C-8 Canal as well as plan for an extension of the raw water main from the C-8 Canal to 120<sup>th</sup> Avenue South to serve the proposed southern well field expansion.

The Village has expressed maintenance concerns for the portion of the raw water main within this section of 50<sup>th</sup> Street South. Additionally, with the expansion of the southern wellfield, this raw water main will need to be upsized to accommodate flows from the five (5) proposed additional wells. The replacement and extension of the raw water main will allow the Village to alleviate identified maintenance concerns in the system and accommodate future growth.

The proposed raw water main pipe diameter will be sized utilizing the raw water system model previously prepared by Mock•Roos. The length of the replacement pipe route is approximately 5,200 linear feet. The replacement of the existing raw water main is in a Palm Beach County-owned right-of-way. The future pipeline western extension to serve the expanded well system is within the Village's Roadway right-of-way. It is important to design and permit the replacement raw water main quickly to reconnect wells 18, 19, 20, and 21.

Mock•Roos will provide engineering and related services and act as the Village's Engineer of Record for the above-described project as more specifically set forth below under **B. Scope of Services** below. Mock•Roos will utilize survey data and utility location services provided by others under separate contract with the Village.

## **B. Scope of Services:**

### 1. Preliminary Engineering

- a. Meet with the Village staff to review the scope of the project, general location of proposed improvements, and obtain the Village's input regarding expectations for the project.
- b. Utilize Palm Beach County aerial imagery and property line information obtained from the County Clerk's public access system to generate preliminary corridor design and base sheet layouts. Mock•Roos will utilize both record information and Village GIS information to establish the general location of the existing facilities and begin preliminary design.
- c. Submit base drawing to local utilities (power, telecommunication, gas) for mark-up of their existing utilities. Plot utility locations received on the drawing base sheets.
- d. Coordinate surveying and underground utility location services to confirm existing subsurface utility locations, as necessary to advance engineering design to 30% completion.
- e. Submit preliminary Construction Drawings (approximately 9 base sheets) to Village for review and comment.
- f. Meet with Village staff to review preliminary submittal and respond to questions or comments.

### 2. Design Phase Services:

- a. Develop one set of construction drawings (approximately 14 sheets) consisting of a cover sheet, key sheet, plan and profile sheets (20 scale), and detail sheets.
- b. Prepare technical specifications and schedule of values for the project anticipated to be awarded as a single project.
- c. Submit progress drawings at the 60-percent and 100-percent completion.
- d. Meet with the Village after the 60-percent submittal to review progress drawings, discuss design options, and respond to questions.
- e. Prepare a Health Department permit application package including attachments and submit for approval. (Village will pay application fees.) Prepare and submit responses to Health Department comments, if required.
- g. Prepare a Palm Beach County Utility Right-Of-Way permit application package including attachments and submit to the Palm Beach County Land Development Department for

approval. (Village will pay application fees.) Prepare and submit responses to two (2) sets of Land Development Department comments, if required.

- h. Provide final design phase deliverables consisting of construction drawings, project specifications, and schedule of values in paper copies and electronic PDF files.

**C. Schedule**

1. The following schedule goals are proposed for those tasks under Mock•Roos control. Note that certain review times and other factors are beyond Mock•Roos control and may result in additional time being justified.
  - a. Provide the Health Department and Land Development permit application packages within 30 days of receiving the survey documents. Note that this time frame is dependent on receiving timely comments (within two weeks) for the 60-percent progress submittal.
  - b. Respond to routine permit application comments within one-week of receipt. If there are significant changes or unexpected demands contained in the comments, additional time may be necessary.
  - c. Provide final design deliverables to the Village within one-week after receipt of all permits.
  - d. Provide a “Recommendation for Award” of the construction contract within one-week of receipt of the Contractor completed schedule of values provided there are no unusual circumstances with the proposal that would require additional review time.

**D. 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 the Village.

**D. Fees and Rates:**

1. The total fee to provide the Scope of Services on a lump sum basis for \$54,264.00.
2. Mock•Roos can provide Additional Services at the Mock•Roos hourly rates in effect at that time, plus any reimbursable expenses, or for an agreed upon lump sum fee.

**E. Conditions:**

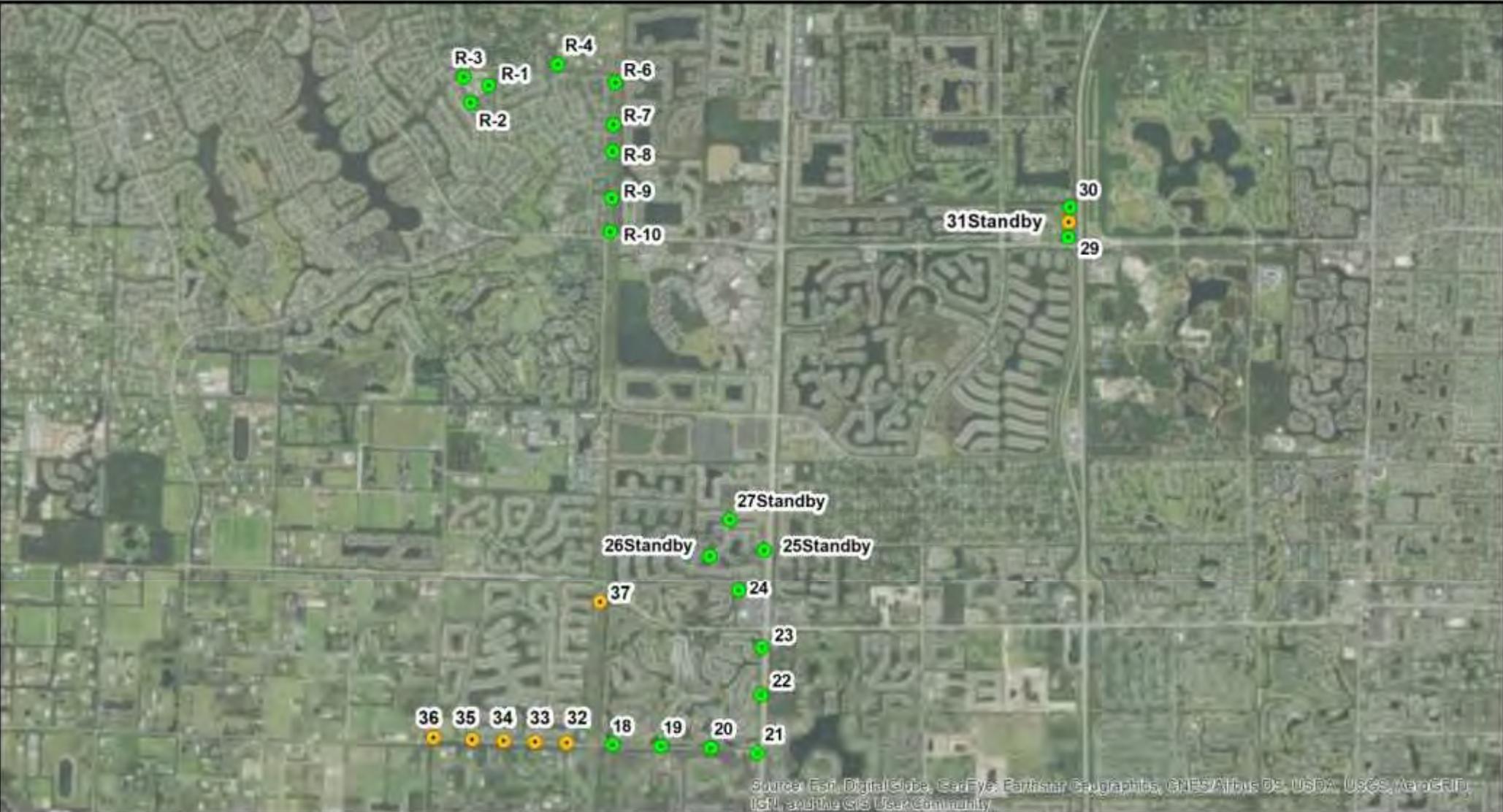
1. In case of discrepancies, the terms of this proposal supersede those of previous agreements.

**F. Acceptance and Authorization to Proceed:**

1. This proposal is acceptable and Mock•Roos has authorization to proceed with the Scope of Services when Wellington issues a Purchase Order for this project.

**Village of Wellington  
50th Street South Raw Water Watermain Replacement**

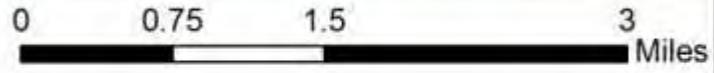
Task Description	Labor Classification				Total
	Senior Project Manager	Senior Engineer	Engineer	Administrative Assistant	
Labor Hourly Billing Rate	\$160.00	\$155.00	\$93.00	\$50.00	
Total Hours	54	114	278	42	
<b>1. Preliminary Engineering</b>					
a Initial Client Coordination	3	4		2	\$ 1,200
b Preliminary Corridor Design	2	8	30	4	\$ 4,550
c Utility Coordination	2	8	24		\$ 3,792
d Coordinate Survey & Subsurface Utility Exploration	2	8	8		\$ 2,304
e Basemaps/Submit Preliminary Base Sheets (9)	1	4	16	2	\$ 2,368
f Preliminary Review Meeting	2	2	4	2	\$ 1,102
<b>2. Award Phase Services</b>					
a1 60% Construction Drawings	12	20	60	4	\$ 10,800
a2 100% Construction Drawings	8	16	60	4	\$ 9,540
b Technical Specification/Schedule of Values	4	16	8	8	\$ 4,264
c Progress Drawings, 60 and 100-percent Submittal Packages	4	8	12	2	\$ 3,096
d Follow-up Client Meetings	4	4	4	2	\$ 1,732
e Cost Opinion	2	4	8	2	\$ 1,784
f Health Department Permit Application	2	4	12	4	\$ 2,256
g PBC Utility R/W Permit Application	2	8	16	4	\$ 3,248
h Final Deliverables	4		16	2	\$ 2,228
Subtotal	\$ 8,640	\$ 17,670	\$ 25,854	\$ 2,100	\$ 54,264
Total Mock•Roos Labor					\$ 54,264
Reimbursable					\$ -
Subconsultant					\$ -
<b>Project Total</b>					<b>\$ 54,264</b>



**Legend**

- Existing VOW PWS Wells
- Other Potential VOW PWS Wells

**VOW Wellfields  
Well Locations**



<b>JLA Geosciences, Inc.</b>	
DATE: 5/16/19	FIGURE NO.:  14
DRAWN BY: LK	
PROJECT NO.: 18-020	