

AMENDMENT No. 1 TO CITY – PROFESSIONAL AGREEMENT

Background Data

- a. Effective Date of City – Professional Original Agreement: June 12, 2012
- b. City: City of League City (the “City”)
- c. Professional: Jones & Carter, Inc. (the “Engineer”)
- d. Project: Bay Colony Lift Station Force Main Upgrade Project (WW1206)

2. Nature of Amendment:

Additional engineering and construction phase services for the Bay Colony Lift Station Force Main Upgrade Project, to include the redesign of the force main size, including location of point of discharge, and; the rehabilitation and upgrade of the Bay Colony Lift Station (MUD 14-15).

Due to recent development along Calder Road, the 30-inch gravity sewer line, along Calder Road from the Butler Road Lift Station, is being extended south to serve Bayview Development. This gravity sewer extension will allow the Bay Colony proposed force main point of discharge to be located further south than originally designed. This will reduce the proposed force main length from 8,700 LF to approximately 5,500 LF. In addition to the reduction in length, the proposed force main design will need to be modified to avoid conflicts with the proposed storm sewer and street improvements which are planned for Calder Road.

In addition to the force main modifications, the Bay Colony Lift Station (MUD 14-15) will need to be rehabilitated and upgraded to accommodate the existing and future flow conditions and provide pumping capacity through the proposed force main. It will be necessary to evaluate the existing lift station operations and condition, and design the improvements as follows:

- Replace three pumps selected for compatibility with proposed force main, with a minimum total station firm capacity of 1,885, to accommodate future flows (Capacity defined by CDM Smith), including pump accessories (guide rails, chain, etc.). Pumps are to be Flygt Type N impellers.
- Repair concrete wet well that has experienced corrosion, and install a protective coating
- Replace pump discharge risers, valves, and common discharge header
- Provide for future addition of on-site odor scrubber to treat odorous air for the wet well
- Provide for a non-turbulent entrance of flow from the discharge of the force main into the proposed discharge manhole.
- Provide liquid chemical feed system for corrosion control in force main and downstream gravity sewers
- Replace level controls in wet well.
- Upgrade electrical service and emergency generator for larger pumps
- Extend crushed concrete road into lift station site for all-weather access
- No changes are proposed for the pump control panel and SCADA system.

3. Description of Additional Services: The scope of work is more clearly defined as:

A. Engineering Services

1) Preliminary Phase

Evaluation of the Existing Bay Colony Lift Station which includes:

- a. ENGINEER will perform a Site Visit to Bay Colony Lift Station with Civil and Electrical Engineers. The ENGINEER requests the Operator or appropriate City staff be present to allow entry to the facility and to answer questions regarding operation of the facilities.
- b. ENGINEER will perform preliminary system curve calculations and pump curve selections for the proposed system with the modified force main design while increasing the current firm pumping capacity to 1,885 gpm. If necessary, determine flow rate to provide minimum velocity requirements per TCEQ §217 rules and regulations and perform pump curve selections based on this modified flow rate.
- c. ENGINEER will evaluate the impact of larger pumps on the existing electrical service and capacity of the existing emergency generator.

2) Design Phase

Separate bid sets will be prepared for the force main and the lift station upgrade/rehabilitation projects

a. Force Main Design

ENGINEER will provide updates to the original force main contract drawings, specifications, and cost estimates will include:

1. Revision of Force Main Alignment and Discharge Location.
2. Revision of Force Main and Appurtenances Sizes from 12-inch (12") to 18-inch (18") in diameter.
3. Assessment and Incorporation of Existing and Proposed Development Along Force Main Route

b. Lift Station Upgrade / Rehabilitation:

1. After completion of the Preliminary Phase, and when authorized by the City, ENGINEER will prepare final contract drawings, specifications, and cost estimates; make submissions for necessary approvals from applicable federal, state, and local agencies. The ENGINEER will also prepare the necessary bidding documents. The ENGINEER will assist the City in securing and analyzing bids, and recommend award of construction contract.

3) Construction Phase

- a. ENGINEER will provide construction administration services associated with the lift station improvements that will consist of consulting with the City during construction to interpret drawings and specifications, review shop drawings, material and equipment tests, and review Contractor's pay estimates only. The City will be responsible for providing on-site inspection. The ENGINEER will periodically observe the site (but no more than once per month) to verify construction techniques and conformity with plans and specifications. A final punch list and final inspection will be provided in addition to the Certificate of Substantial Completion. If construction contract time is delayed by more than 10% of estimated 6 months for construction, the City will provide additional compensation to the ENGINEER.

All other items, as expressed in the original contractual agreement remain the same.

For Additional Services set forth above, Owner shall pay Engineer the additional compensation denoted in the attached Exhibit "A".

Owner and Engineer hereby agree to modify the above referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this or previous Amendments remain in effect. The Effective date of this Amendment is July 7, 2016.

Owner:

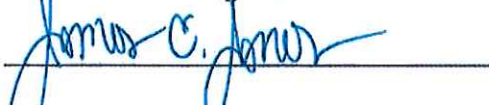


By: John Baumgartner

Title: Deputy City Manager

Date: July 7, 2016

Engineer:



By: James C. Jones, P.E.

Title: Vice President

Date: 6-2-16

Attest: 

EXHIBIT A

PROPOSED FEE

The total additional fee requested for the proposed scope of work detailed in Exhibit B is \$58,000

The following is a breakdown of JC's original fees and the proposed amendment additions.

	ORIGINAL FEE	AMOUNT PAID	ADDITIONAL FEE REQUESTED	
LUMP SUM		Through 2/18/16	Force Main	Lift Station
Preliminary Phase	\$ 29,000.00	\$ 29,000.00	\$ -	\$7,500
Design Phase	\$ 75,400.00	\$ 71,630.00	\$ -	\$50,000
Construction Phase	\$ 23,200.00	\$ -	\$ -	\$15,000
HOURLY			Force Main	Lift Station
Reimbursable Expenses	\$ 2,500.00	\$ 183.50	\$ -	\$ -
Project Coordination for Road Widening	\$ 10,000.00	\$ -	\$ -	\$ -
Topographic Survey	\$ 25,000.00	\$ 16,924.79	\$ (-8,000)	\$ -
Boundary Survey and Easement Preparation	\$ 22,500.00	\$ 16,008.25	\$ (-6,500)	\$ -
	\$ 187,600.00	\$ 133,746.54	*Deduct (\$14,500)	* \$72,500

*The combined additional fees requested is \$58,000. The revisions to the force main project will be performed under the previously approved \$10,000 budget for Project coordination for Road Widening. The previously approved but unused remainder for Topographic Surveying and Boundary Survey and Easement Preparation will be deducted from the force main design effort and applied to the Lift Station Rehabilitation Design Efforts.

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY CERTIFICATION OF FILING

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
Jones & Carter, Inc.
Bellaire, TX United States

Certificate Number:
2016-80684

Date Filed:
07/06/2016

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.
City of League City

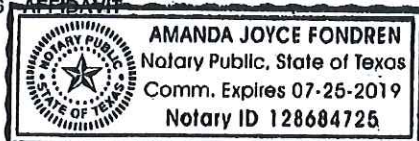
Date Acknowledged:

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.
WW1206
Bay Colony Force Main and Lift Station Upgrade Project - Engineering Services

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Cotton, Carlos	Bellaire, TX United States	X	
	Synatschk, Tobin	Bellaire, TX United States	X	
	Black, Clayton	Bellaire, TX United States	X	
	Jones, James	Bellaire, TX United States	X	
	Kennedy, Bryan	Plano, TX United States	X	
	Aylward, Robert	Bellaire, TX United States	X	
	Benson, Don	Franklin, TN United States	X	

5 Check only if there is NO Interested Party. ☐

6 AFFIDAVIT



I swear, or affirm, under penalty of perjury, that the above disclosure is true and correct.

Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said Ed Shackelford, this the 6th day of July, 2016, to certify which, witness my hand and seal of office.

Amanda Joyce Fondren Amanda Joyce Fondren Project Accountant
Signature of officer administering oath Printed name of officer administering oath Title of officer administering oath