




## ACQUISITION APPROVAL

**TO:** Donald B. Cooper City Manager

**THROUGH:** Steven Chapman, Chief Purchasing Officer

**FROM:** John Morgan, Director  
Environmental Services Department 

**DATE:** February 2, 2016

**SUBJECT:** AKA Services Incorporated Emergency Change Order for Water Main Relocation on Marine Way

RECEIVED

CITY MANAGER

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### Background

Staff has evaluated the vulnerability of the City's utility infrastructure due to the deterioration of the roadway along Marina Way which is being accelerated by the ongoing high tide events.

A sanitary sewer main exists along the western part of the right-of-way (ROW), west of the edge of roadway pavement. In addition, an 8-inch water main exists along the eastern portion of the ROW, under the roadway pavement, approximately 3 to 5 feet from the eastern edge of pavement which is adjacent to the shoreline vegetation (primarily mangroves). Per our engineering standards, the water main is considered shallow, as it is only 2 (+/-) feet below the existing roadway grade. The City's minimum required depth for water main pipe is 30", with customary depth of 36".

Under the conditions cited above, and the expectation that the roadway will continue to deteriorate, staff feels that the stability of the water main is highly vulnerable for loss. Failure of the structural roadway bed could collapse the water main, resulting in a catastrophic loss, as repairs would be difficult, which would render customers along Marine Way without potable water. Unfortunately, this could potentially create a public health issue as well.

Staff has solicited pricing for the placement of a new water main from a qualified City contractor working under an active contract. The water main would be installed along the western portion of the ROW, in the green area west of the edge of pavement, yet still maintaining the required separation from the existing sanitary main. This placement intentionally keeps the water main out of the pavement, as pavement restoration would be difficult, if not impossible to achieve with the current deterioration of the roadway. This placement also keeps the water main towards the western edges of the ROW, providing as much of a buffer as possible from the shoreline and possible construction of a new seawall (vibration if pilings are to be installed). The existing water main would be abandoned in place, with the removal or grout filling of the main addressed at such time when the seawall and roadway is reconstructed.

AKA Services is currently performing similar construction activities for the Tropic Palms Water Upgrade Project. Staff requested that AKA Services provide a quote utilizing the unit pricing per the existing contract. The amount quoted for the Marine Way work is \$98,634. The estimate for

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**Donald B. Cooper**  
**February 2, 2016**  
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completing construction is 30 days. Staff feels the pricing is commensurate with the scope of work.

Under the circumstances, staff recommends this work be considered an emergency situation, to be performed as soon as possible, seeking authorization from the City Manager to proceed with the work per Code of Ordinance 36.02 (C) (5), Emergency Acquisitions, with authorization to perform this work via a contract Change Order to the current contract with AKA Construction Services as part of the Tropic Palms Water Main Upgrade project. This provides the most expeditious manner for relocation of the water main.


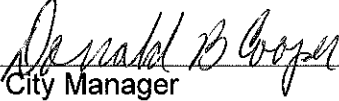

The Environmental Services Department is requesting approval of an award to AKA Construction Services in the amount of \$98,634 for construction of approximately 432 linear feet of 8" DIP water main to provide service for eight single family residences located in the right of way of Marine Way (Canal Street). A permit authorizing the work was issued to the City of Delray Beach by the Palm Beach County Division of Environmental Public Health on February 3, 2016.

**Purchasing Authority**

This recommendation meets compliance with Code of Ordinances, Section 36.02 (C) (5), Emergency Acquisitions, subject to ratification by the City Commission as soon as practicable.

**Funding Account Number:**

Funding is available from Account No. 442-5178-536-63.50, Water and Sewer Renewal and Replacement Fund/ Water Mains.

 Department Head	<u>2/8/2016</u> Date	 City Manager	<u>2/8/16</u> Date
 Purchasing	<u>2-8-16</u> Date		

GM200I13  
Fiscal Year 2016

City Of Delray Beach Florida  
Account Balance Inquiry

1/25/16  
15:44:27

Account number . . . . : 442-5178-536.63-50  
Fund . . . . . : 442 W&S RENEWAL & REPLMT FUND  
Department . . . . . : 51 WATER AND SEWER  
Division . . . . . : 78 RENEWAL &REPLACEMENT PROJ  
Activity basic . . . . : 53 PHYSICAL ENVIRONMENT  
Sub activity . . . . . : 6 WATER/SEWER SERVICES  
Element . . . . . : 63 IMPROVEMENTS OTHER  
Object . . . . . : 50 WATER MAINS

Project Req'd

Original budget . . . . . : 405,000  
  
Actual expenditures - current . . : 685.39  
Actual expenditures - ytd . . . . : 2,302.20  
Unposted expenditures . . . . . : .00  
Encumbered amount . . . . . : 18,025.00  
Unposted encumbrances . . . . . : .00  
Pre-encumbrance amount . . . . . : .00  
Total expenditures & encumbrances : 21,012.59 5.2 %  
Unencumbered balance . . . . . : 383,987.41 94.8 %

F5=Encumbrances    F7=Project data    F8=Misc inquiry  
F10=Detail trans    F11=Acct activity list    F12=Cancel    F24=More keys

**AKA Services, Inc.**  
15551 Okeechobee Blvd.  
Loxahatchee, Florida 33470  
Phone (561) 791-7561 Fax (561) 791-7565

January 14, 2016

City of Delray Beach, Florida  
Environmental Services Department  
434 South Swinton Avenue  
Delray Beach, Florida 33444

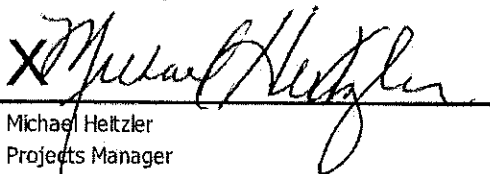
**PROPOSAL FOR EMERGENCY WATER MAIN RELOCATION ON MARINE WAY  
(CANAL STREET)**

AKA Services, Inc. submits the following Proposal to complete work as shown on Sheet No. 1 of 3 for Marina Way (Canal Street) Water Main Improvements as an addition to our Contract with the City of Delray Beach, City Project No. 14-061 (Tropic Palms Water Main Replacement Phase I) for cost as shown on attached cost breakdown sheet of:

Ninety Eight Thousand Six Hundred Thirty Four Dollars (\$ 98,634.00)

~~Additional 110 Calendar Days required from Original Contract Date of Completion (November 12, 2015). Completion Date: March 4, 2016.~~ *82*

Respectfully submitted,



Michael Heltzer  
Projects Manager

**AKA SERVICES, INC.**  
15551 Okeechobee Boulevard  
Loxahatchee, FL 33407

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CONTRACTOR NAME:

AKA SERVICES, INC.

PROJECT NAME & PROJECT NUMBER

Tropic Palms Water Main Replacement Phase I 14-061  
 Marine Way (Canal Street) Water Main Replacement  
 City of Delray Beach

ITEM NO.	DESCRIPTION	Quantity		Unit Price	Total
		EST. QTY.	UNIT		
	<b>General Conditions</b>				
1	Site Mobilization/Demobilization	1	LS	\$ 2,300.00	\$ 2,300.00
2	Maintenance of Traffic	1	LS	\$ 640.00	\$ 640.00
3	As-Built Record Drawings	1	LS	\$ 1,200.00	\$ 1,200.00
4	Professional Video & Construction Photographs	1	LS	\$ 860.00	\$ 860.00
	<b>Potable Water Main</b>				
5	8" PVC Water Main	432	LF	\$ 35.00	\$ 15,120.00
6	8"X 8" Tapping Sleeve & 8" Gate Valve	2	EA	\$ 4,500.00	\$ 9,000.00
7	8" Gate Valve	2	EA	\$ 1,600.00	\$ 3,200.00
8	8" DIP Compact Fittings (Cement Lined)	0.5	TONS	\$ 6,500.00	\$ 3,250.00
9	Connect existing Fire Hydrant	1	EA	\$ 2,700.00	\$ 2,700.00
10	1" Single Water Service (Short)	2	EA	\$ 950.00	\$ 1,900.00
11	2" Double Water Service (Short)	3	EA	\$ 1,200.00	\$ 3,600.00
12	Connect to Existing 8" WM	2	EA	\$ 1,750.00	\$ 3,500.00
13	Sample Point	2	EA	\$ 250.00	\$ 500.00
14	Fill & Flush Assembly	1	EA	\$ 1,000.00	\$ 1,000.00
15	Dewatering	1	LS	\$ 7,200.00	\$ 7,200.00
16	Open Cut Pavement Trench Repair	90	LF	\$ 36.00	\$ 3,240.00
17	Concrete Sidewalk Repair (4" Thick)	1560	SF	\$ 6.00	\$ 9,360.00
18	Brick Driveway Repair	432	SF	\$ 22.00	\$ 9,504.00
19	Asphalt Driveway Repair	180	SF	\$ 7.00	\$ 1,260.00
20	Gravel Driveway Repair	200	SF	\$ 4.00	\$ 800.00
21	Curb Repair and Replacement	180	LF	\$ 25.00	\$ 4,500.00
22	Sewer Lateral Repair/Adjustments	8	EA	\$ 500.00	\$ 4,000.00
23	Clearing and Grubbing	1	LS	\$ 5,200.00	\$ 5,200.00
24	Sod/Shrub/Landscape/Sprinkler Restoration	1	LS	\$ 4,800.00	\$ 4,800.00
	<b>TOTAL</b>				\$ 98,634.00
1	Cost does not include relining of existing sewer or painting of Sewer Manholes				
2	110 Additional Days required for Time of Completion. Completion Date March 04, 2016.				