



ADD-CHANGE FORM

New Project or Budget Change?

Assigned Project #

Requested by:
Project Manager / Area Manager

Date:

Project Name:

Company: Utilities Inc of Florida

Business Unit: Lake Tarpon W

BU Type:

Project Owner:

Budget Owner / RVP: 03

Project Manager:

Region: 04

Start Date: Q3 2016

State:

Estimated End Date: Q1 2017

Project Type:

Will project replace/retire any assets:

Previously Requested:

This Request:	\$41,125
Still to be Requested:	\$758,875
Total Project Budget:	\$800,000

Description:

The initial request is to establish a budget for engineering services in support of the following construction elements:
 Remove and replace the following items:
 A. 4,800 LF of 4" asbestos cement water main
 B. 5,000 LF of 6" asbestos cement water main
 C. 7,600 LF of 8" asbestos cement water main
 D. 5 each 2" blow offs
 E. 344 water services
 F. 11 Hydrants
 G. 46 each 6" Gate Valves

Engineering activities include design, DEP permitting, right-of-way survey, as-built survey, right-of-way permitting, and asset tables that are in conformance with GIS nomenclature and format.
 CEI services will be utilized to support right-of-way permitting, production of as-built drawings, a limited number of field inspections during construction and contract bidding services.

Timeline Considerations:

This project is one of two water main replacement projects in Pinellas County and Pasco County that are similar in scope and timing. Engineering services are completed and all permits have been obtained. The quantity of mains and service lines being replaced requires a timely issuance of a Notice of Award, Notice to Proceed, and contract execution to allow adequate time to complete the project prior to 12/31/2017.

Inter-dependant Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)



JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Lake Tarpon water system serves 513 connections and was originally built in 1967. Thus, it is nearly 50 years old. The mains in this system are comprised of Asbestos Cement (AC) pipe with few valves to isolate sections of the system when water main breaks occur. Existing valves are mainly double disc gate valves that don't fully seat. AC pipe failures occur with increasing frequency for a variety of reasons including fatigue, loss of hoop strength due to high water table, gasket failures, ground settling, and excess deflection of pipe joints. We have previously replaced approximately 320 services and approximately 7,000 LF of 2" mains. We will continue to utilize the meters and dual check valves that are less than 10 years old and currently in use. This system consistently exceeds 20% unaccounted for water loss due to the AC piping deficiencies as well as possibly from undocumented irrigation taps. Underground utility locate requests are typically addressed by potholing, probing or the use of GPR, of which the first two methods elevate the risk of a potential break.

By replacing the distribution system components, water quality complaints will be reduced by virtue of enhanced ability to maintain the facilities. Water main breaks will be reduced. With new gate valves in place at the appropriate location and configuration, staff will be able to isolate portions of the distribution systems when necessary, which will limit the number of customers affected when outages occur. With the installation of detector wire on all water mains as well as geospatially locating all new facilities, the locating process will be streamlined, proficient and accurate. Also, unidirectional flushing procedures can be scheduled that will improve system maintenance. This project includes an as-built survey with an asset table that can be used to upload into the ESRI platform once it is established that will provide GPS coordinates for asset maintenance.

Risk Evaluation

As the system ages, failures will be more frequent and corresponding expenses will rise. Water quality complaints will become more frequent and negatively affect the quality of service provided to the customers. Naturally occurring organics in the groundwater, when combined with chlorine, will elevate TTHM/HAA5 levels above MCL's. By replacing the remaining original water mains, gate valves and service connections, reliability will be greatly improved, water quality will be improved and TTHM/HAA5 levels should be reduced.

Alternatives Considered:

Maintaining the status quo is not an option for reasons identified in the Risk Evaluation above.

The project could be parsed up in phases but that would result in ongoing expensive repair and maintenance costs caused by pipe failures, emergency response activities outside of normal business hours, property damage, and restoration costs.

Technical Review Summary:



Financial and Regulatory Implications

Capital Plan

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Proposed Project Spend	800,000				
Project Spend in Current Plan	800,000				
Variance	-	-	-	-	-
CIAC Collected					
Net Rate Base	800,000	800,000	800,000	800,000	800,000

(if applicable)

O&M Cost Impact B/(W)

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Financial Justification

Estimated Revenue Impact per Customer:

Number of Customers Impacted:

Served	Rate Payers
513	

Utility Financial Impact

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)		-	-	-	-
Depreciation Impact on EBIT B/(W)					
Under-recovery on capital B/(W)					
Net EBIT Impact B/(W)					

Timing and Supporting Information on Rate Recovery

This project is a proforma included in the 2016 UIF consolidated rate case to be filed in 3Q16.

Regulatory Plan Implications

Assumptions



BID INFORMATION AND BUDGET BREAKDOWN

Have three bids been received?

If not, why? List and provide amounts below

Bid	Company	Amount	Selected
1	TBD		
2			
3			

Component:

Amount

Value Bid Elements	TBD	should match selected bid(s) above
Engineering		
Direct Purchase of Parts / Materials		
Landscaping / Site Restoration		
Other Components (specify):		
Cap Time		
Kimley Horn Engineers (CEI, As-Built drawings, ROW permitting)	41,125.00	
Balance still to be broken down	758,875.00	
Total Project Budget	800,000.00	should match Total Budget on General Information

Object Account(s) to which project will be closed:

1125	Trans & Distr Mains
1130	Service Lines
	select from dropdown list
	select from dropdown list
	select from dropdown list

[Go to Reference List](#)

General Comments:



Approvals

EAM Prime Review

Review Completed by Date:
Does project align with utility plan and meet technical requirements? Yes No

Comments

This project aligns with the utility plan and meets UI technical requirements.

Technical Peer Review

Review Sponsored by Date Held
Approval to proceed Yes No

Comments (note if feedback received in review incorporated)

FP&A Review

Review Completed by Date:
Does Project comply with current Utility Rate and Regulatory Plan? Yes No

Comments

Approvals

Applicable?

Regional Manager:	<input type="text" value="Michael Wilson"/>	Date: <input type="text" value="8/26/2016"/>	<input checked="" type="checkbox"/>
VP Operations:	<input type="text" value="Patrick C. Flynn"/>	Date: <input type="text" value="8/26/2016"/>	<input checked="" type="checkbox"/>
President:	<input type="text" value="John P. Hoy"/>	Date: <input type="text" value="8/26/2016"/>	<input checked="" type="checkbox"/>

Approval or Re-Direction Comments



ADD-CHANGE FORM

New Project or Budget Change? Assigned Project #

Requested by: Date:
Project Manager / Area Manager

Project Name:

Company: Utilities Inc of Florida

Business Unit: Lake Tarpon W

Project Owner:

BU Type:

Project Manager:

Budget Owner / RVP: 03

Start Date: Q3 2016

Region: 04

Estimated End Date: Q1 2017

State:

Project Type:

Will project replace/retire any assets:

Previously Requested:

This Request:

Still to be Requested:

Total Project Budget:

Description:

The initial request is to establish a budget for engineering services in support of the following construction elements:
Construct the following items:
A. 4,800 LF of 4" asbestos cement water main
B. 5,000 LF of 6" asbestos cement water main
C. 7,600 LF of 8" asbestos cement water main
D. 5 each 2" blow offs
E. 344 water services
F. 11 Hydrants
G. 46 each 6" Gate Valves

Engineering activities include design, DEP permitting, right-of-way survey, as-built survey, right-of-way permitting, and asset tables that are in conformance with GIS nomenclature and format.
CEI services will be utilized to support right-of-way permitting, production of as-built drawings, a limited number of field inspections during construction and contract bidding services.

Timeline Considerations:

This project is one of two water main replacement projects in Pinellas County and Pasco County that are similar in scope and timing. Engineering services are completed and all permits have been obtained. The quantity of mains and service lines being replaced requires a timely issuance of a Notice of Award, Notice to Proceed, and contract execution to allow adequate time to complete the project prior to 12/31/2017.

Inter-dependant Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)



JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Lake Tarpon water system serves 513 connections and was originally built in 1967. Thus, it is nearly 50 years old. The mains in this system are comprised of Asbestos Cement (AC) pipe with few valves to isolate sections of the system when water main breaks occur. Existing valves are mainly double disc gate valves that don't fully seat. AC pipe failures occur with increasing frequency for a variety of reasons including fatigue, loss of hoop strength due to high water table, gasket failures, ground settling, and excess deflection of pipe joints. We have previously replaced approximately 320 services and approximately 7,000 LF of 2" mains. We will continue to utilize the meters and dual check valves that are less than 10 years old and currently in use. This system consistently exceeds 20% unaccounted for water loss due to the AC piping deficiencies as well as possibly from undocumented irrigation taps. Underground utility locate requests are typically addressed by potholing, probing or the use of GPR, of which the first two methods elevate the risk of a potential break.

By replacing the distribution system components, water quality complaints will be reduced by virtue of enhanced ability to maintain the facilities. Water main breaks will be reduced. With new gate valves in place at the appropriate location and configuration, staff will be able to isolate portions of the distribution systems when necessary, which will limit the number of customers affected when outages occur. With the installation of detector wire on all water mains as well as geospatially locating all new facilities, the locating process will be streamlined, proficient and accurate. Also, unidirectional flushing procedures can be scheduled that will improve system maintenance. This project includes an as-built survey with an asset table that can be used to upload into the ESRI platform once it is established that will provide GPS coordinates for asset maintenance.

Risk Evaluation

As the system ages, failures will be more frequent and corresponding expenses will rise. Water quality complaints will become more frequent and negatively affect the quality of service provided to the customers. Naturally occurring organics in the groundwater, when combined with chlorine, will elevate TTHM/HAA5 levels above MCL's. By replacing the remaining original water mains, gate valves and service connections, reliability will be greatly improved, water quality will be improved and TTHM/HAA5 levels should be reduced.

Alternatives Considered:

Maintaining the status quo is not an option for reasons identified in the Risk Evaluation above.

The project could be parsed up in phases but that would result in ongoing expensive repair and maintenance costs caused by pipe failures, emergency response activities outside of normal business hours, property damage, and restoration costs.

Technical Review Summary:



Financial and Regulatory Implications

Capital Plan

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Proposed Project Spend	1,089,446				
Project Spend in Current Plan	1,000,000				
Variance	(89,446)	-	-	-	-
CIAC Collected					
Net Rate Base	1,089,446	1,089,446	1,089,446	1,089,446	1,089,446

(if applicable)

O&M Cost Impact B/(W)

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Financial Justification

Estimated Revenue Impact per Customer:

Number of Customers Impacted:

Served	Rate Payers
(255.50)	\$ (255.50)
513	513.00

Utility Financial Impact

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)		-	-	-	-
Depreciation Impact on EBIT B/(W)	(13,618)	(54,472)	(54,472)	(54,472)	(54,472)
Under-recovery on capital B/(W)	(20,172)	(76,602)	(72,516)	(68,431)	(64,345)
Net EBIT Impact B/(W)	(33,790)	(131,074)	(126,989)	(122,903)	(118,818)

Timing and Supporting Information on Rate Recovery

This project is a proforma included in the 2016 UIF consolidated rate case to be filed in 3Q16.

Regulatory Plan Implications

Assumptions



BID INFORMATION AND BUDGET BREAKDOWN

Have three bids been received?

If not, why? List and provide amounts below

Bid	Company	Amount	Selected
1	Environmental Equipment Sales, Inc.	\$1,673,594	
2	Rowland, Inc.	\$1,048,321	Yes
3	Kimmins Contracting Corp. / Kaminga & Roodvoets, Inc.	No Bid	

Component:

Amount

Value Bid Elements	1,048,321.00	should match selected bid(s) above
Engineering		
Direct Purchase of Parts / Materials		
Landscaping / Site Restoration		
Other Components (specify):		
Cap Time		
Kimley Horn Engineers (CEI, As-Built drawings, ROW permitting)	41,125.00	

Total Project Budget **1,089,446.00** should match Total Budget on General Information

Object Account(s) to which project will be closed:

1125	Trans & Distr Mains
1130	Service Lines
	select from dropdown list
	select from dropdown list
	select from dropdown list

[Go to Reference List](#)

General Comments:

Kimmins Construction Corp. and Kaminga Roodvoets Inc. were both provided bid packages and did not bid on this project.



Approvals

EAM Prime Review

Review Completed by Date:

Does project align with utility plan and meet technical requirements? Yes No

Comments

This project aligns with the utility plan and meets UI technical requirements.

Technical Peer Review

Review Sponsored by Date Held

Approval to proceed Yes No

Comments (note if feedback received in review incorporated)

FP&A Review

Review Completed by Date:

Does Project comply with current Utility Rate and Regulatory Plan? Yes No

Comments

Approvals

Applicable?

Regional Manager: Date:

VP Operations: Date:

President: Date:

Approval or Re-Direction Comments

**BID TABULATION
FOR
LAKE TARPON WATER MAIN REPLACEMENT**

BID TABULATION				1		2	
				Rowland, Inc. 6855 102 nd Ave N Pinellas Park, FL 33782		Enviornmental Equipment Sales, Inc. PO Box 2459 Riverview, FL 33568	
ITEM	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	TOTAL BID PRICE	UNIT PRICE	TOTAL BID PRICE
1	Mobilization (10%)	1	LS	67,300.00	\$ 67,300.00	167,359.35	\$ 167,359.35
2	Project Closeout	1	LS	8,700.00	\$ 8,700.00	112,000.00	\$ 112,000.00
3	Erosion and Sediment Control	1	LS	1,200.00	\$ 1,200.00	12,000.00	\$ 12,000.00
4	Preconstruction Video	1	LS	3,000.00	\$ 3,000.00	3,900.00	\$ 3,900.00
5	2" HDPE Pipe (Including HDD, Fittings, Restraints, Trenches, Excavation, and Restoration)	1,010	LF	29.60	\$ 29,896.00	38.15	\$ 38,532.50
6	6" HDPE Pipe (Including HDD, Fittings, Restraints, Trenches, Excavation, and Restoration)	17,500	LF	33.40	\$ 584,500.00	44.92	\$ 786,100.00
7	6" Gate Valve	31	EA	1,200.00	\$ 37,200.00	3,500.00	\$ 108,500.00
8	Fire Hydrant Assembly (includes all fittings)	12	EA	3,950.00	\$ 47,400.00	5,328.00	\$ 63,946.00
9	Fire Hydrant Removal	5	EA	670.00	\$ 3,350.00	2,000.00	\$ 10,000.00
10	Grout Fill Abandoned Water Main	70	CY	200.00	\$ 14,000.00	715.00	\$ 50,050.00
11	Blow Out Assembly (includes all fittings)	6	EA	1,355.00	\$ 8,130.00	1,875.00	\$ 11,250.00
12	Site Restoration	1	LS	30,400.00	\$ 30,400.00	98,640.65	\$ 98,640.65
13	Furnish, Tap and Install Service Lateral and Meter with Box (Single, Short)	133	EA	595.00	\$ 79,135.00	515.00	\$ 68,495.00
14	Furnish, Tap and Install Service Lateral and Meter with Box (Single, Long)	51	EA	1,285.00	\$ 65,535.00	1,295.00	\$ 66,045.00
15	Furnish, Tap and Install Service Lateral and Meter with Box (Double, Short)	35	EA	1,160.00	\$ 40,600.00	1,075.00	\$ 37,625.00
16	Furnish, Tap and Install Service Lateral and Meter with Box (Double, Long)	15	EA	1,865.00	\$ 27,975.00	2,610.00	\$ 39,150.00
TOTAL LUMP SUM PRICE PRICE (BASE BID)					\$ 1,048,321.00		\$ 1,673,593.50

SECTION 00410

BID FORM

PART 1 GENERAL

1.1 Description

The following Bid, for the (1) Lake Tarpon Water Main Replacement, is hereby made to (2) Utilities Inc. of Florida, hereafter called the Owner. This Bid is submitted by (3) Environmental Equipment Sales, Inc.
PO Box 2459
Riverview, FL 33568
813-677-6877

- (1) Name of Project as shown in the Invitation for Bids
- (2) Owner
- (3) Name, address, and telephone number of Bidder

1.2 The Undersigned:

A. Acknowledges receipt of:

1. Project Manual and Drawings identified within the Project Manual.
2. Addenda:

Number	<u>1</u>	Dated	<u>8-25-16</u>
Number	_____	Dated	_____
Number	_____	Dated	_____
Number	_____	Dated	_____

B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.

C. Agrees:

1. To hold this Bid open for 90 calendar days after the bid opening date.
2. To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
4. To accomplish the work in accordance with the Contract Documents.

5. To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within ~~120~~¹⁷⁰ calendar days of the date of the Notice to Proceed.
6. To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

1.3 Lump Sum Price

The undersigned will construct this project for the Base Bid Lump Sum Price of \$ One Million Six Hundred Seventy-Three Thousand Five Hundred Ninety-Three Dollars + 50/100 cents Dollars (\$ 1,673,593.50).

1.4 Schedule of Values

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of the project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Mobilization (10%) / <i>General Conditions</i>	1	LS	<i>167,359.35</i>	<i>167,359.35</i>
Project Close Out / <i>Surveying</i> <i>Materials Testing</i>	1	LS	<i>112,000.00</i>	<i>112,000.00</i>
Erosion and Sediment Control	1	LS	<i>12,000.00</i>	<i>12,000.00</i>
Preconstruction Video	1	LS	<i>3,900.00</i>	<i>3,900.00</i>
2" HDPE Pipe (Including HDD, Fittings, Restraints, Trenches, Excavation, and Restoration)	1,010	LF	<i>38.15</i>	<i>38,532.50</i>
6" HDPE Pipe (Including HDD, Fittings, Restraints, Trenches, Excavation, and Restoration)	17,500	LF	<i>44.92</i>	<i>786,100.00</i>
6" Gate Valve	31	EA	<i>3,500.00</i>	<i>108,500.00</i>
Fire Hydrant Assembly (includes all fittings)	12	EA	<i>5,328.00</i>	<i>63,946.00</i>
Fire Hydrant Removal	5	EA	<i>2,000.00</i>	<i>10,000.00</i>

Grout Fill Abandoned Water Main	70	CY	715.00	50,050.00
Blow Out Assembly (includes all fittings)	6	EA	1,875.00	11,250.00
Site Restoration	1	LS	98,640.65	98,640.65
Furnish, Tap and Install Service Lateral and Meter with Box (Single, Short)	133	EA	515.00	68,495.00
Furnish, Tap and Install Service Lateral and Meter with Box (Single, Long)	51	EA	1,295.00	66,045.00
Furnish, Tap and Install Service Lateral and Meter with Box (Double, Short)	35	EA	1,075.00	37,625.00
Furnish, Tap and Install Service Lateral and Meter with Box (Double, Long)	15	EA	2,610.00	39,150.00
TOTAL LUMP SUM PRICE (BASE BID)				\$ 1,673,593.50

1.5 Miscellaneous Requirements and Affirmations

- A. Proposals (Bids) must be on the Bid Form.
- B. I have attached the following required fully executed forms to this Bid:
- Bid Security complying with the requirements of the Bidding Documents.
 - Trench Safety Statement - Section 00430

1.6 RESPECTFULLY SUBMITTED, signed and sealed this 14th day of September, 2016.

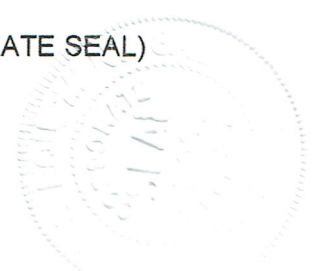
Environmental Equipment Sales, Inc.
Contractor

(CORPORATE SEAL)

Brian Spicher
By (Signature) _____ Date _____

Brian Spicher, President
Printed Name and Title

Po Box 2459
Business Address



Riverview FL 33568
City State Zip Code

813-677-6877 813-677-2605
Telephone No. Facsimile No.

Colleen@enviroesinc.com
E-Mail Address

ATTEST:

Colleen Kleist 9-14-14
By (Signature) Date

Colleen Kleist, Treasurer
Printed Name and Title

END OF SECTION

SECTION 00430

TRENCH SAFETY FORM

Bidder acknowledges that included in the various items of the proposal contained on the Bid Form are costs for complying with the Florida Trench Safety Act (FS 553.60-553.64). The Bidder further identifies the cost of compliance with the applicable trench safety standards for the project as follows (Bidder to attach additional sheets as necessary to identify all costs):

	Trench Safety Measure (Description)	Units of Measure (LF, SF, SY)	Unit Quantity	Unit Cost	Extended Cost
A	Trench Box/	SF	800	7.00	5600.00
B	Build a Box				
C					
D					
E					
F					
TOTAL					\$ 5600.00

The total cost shown herein is already included in the various items on the Bid Form and is not additional to the pricing shown on the Bid Form.

Bidder, by signature below, assures that the contractor performing trench excavating will comply with the applicable Trench Safety Standards.

Submitted, signed and sealed this 14th day of September, 2016.

Environmental Equipment Sales, Inc.

Bidder

Brian Spicher

Signature

Brian Spicher, President

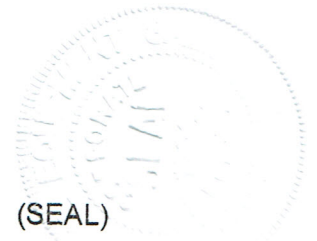
Printed Name and Title

ATTEST:

Colleen Fleist

Signature

9-14-16
Date



(SEAL)

END OF SECTION

SECTION 00410

BID FORM

PART 1 GENERAL

1.1 Description

The following Bid, for the (1) Lake Tarpon Water Main Replacement, is hereby made to (2) Utilities Inc., hereafter called the Owner. This Bid is submitted by (3) _____
Rowland Inc.

6855 102nd Ave. N.

Pinellas Park, FL 33782

(727) 545-3815

(1) Name of Project as shown in the Invitation for Bids

(2) Owner

(3) Name, address, and telephone number of Bidder

1.2 The Undersigned:

A. Acknowledges receipt of:

1. Project Manual and Drawings identified within the Project Manual.

2. Addenda:	Number	<u>1</u>	Dated	<u>08/25/2016</u>
	Number	_____	Dated	_____
	Number	_____	Dated	_____
	Number	_____	Dated	_____

B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.

C. Agrees:

1. To hold this Bid open for 90 calendar days after the bid opening date.
2. To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
4. To accomplish the work in accordance with the Contract Documents.

5. To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within 120 calendar days of the date of the Notice to Proceed.
6. To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

1.3 Lump Sum Price

The undersigned will construct this project for the Base Bid Lump Sum Price of \$ One Million, forty Eight Thousand, Three Hundred Twenty One Dollars (\$ 1,048,321.00).

1.4 Schedule of Values

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of the project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Mobilization (10%)	1	LS	67,300.00	67,300.00
Project Close Out	1	LS	8,700.00	8,700.00
Erosion and Sediment Control	1	LS	1,200.00	1,200.00
Preconstruction Video	1	LS	3,000.00	3,000.00
2" HDPE Pipe (Including HDD, Fittings, Restraints, Trenches, Excavation, and Restoration)	1,010	LF	29.60	29,896.00
6" HDPE Pipe (Including HDD, Fittings, Restraints, Trenches, Excavation, and Restoration)	17,500	LF	33.40	584,500.00
6" Gate Valve	31	EA	1,200.00	37,200.00
Fire Hydrant Assembly (includes all fittings)	12	EA	3,950.00	47,400.00
Fire Hydrant Removal	5	EA	670.00	3,350.00

Grout Fill Abandoned Water Main	70	CY	200.00	14,000.00
Blow Out Assembly (includes all fittings)	6	EA	1,355.00	8,130.00
Site Restoration	1	LS	30,400.00	30,400.00
Furnish, Tap and Install Service Lateral and Meter with Box (Single, Short)	133	EA	595.00	79,135.00
Furnish, Tap and Install Service Lateral and Meter with Box (Single, Long)	51	EA	1,285.00	65,535.00
Furnish, Tap and Install Service Lateral and Meter with Box (Double, Short)	35	EA	1,160.00	40,600.00
Furnish, Tap and Install Service Lateral and Meter with Box (Double, Long)	15	EA	1,865.00	27,975.00
TOTAL LUMP SUM PRICE (BASE BID)				\$ 1,048,321.00

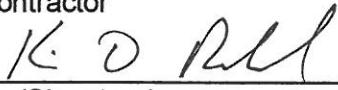
1.5 Miscellaneous Requirements and Affirmations

- A. Proposals (Bids) must be on the Bid Form.
- B. I have attached the following required fully executed forms to this Bid:
 - 1. Bid Security complying with the requirements of the Bidding Documents.
 - 2. Trench Safety Statement - Section 00430

1.6 RESPECTFULLY SUBMITTED, signed and sealed this 14th day of September, 2016.

Rowland Inc.
 Contractor

(CORPORATE SEAL)


 By (Signature) 09/14/2016
 Date

Kevin D. Rowland, President
 Printed Name and Title

6855 102nd. Ave. N.
 Business Address

SECTION 00430

TRENCH SAFETY FORM

Bidder acknowledges that included in the various items of the proposal contained on the Bid Form are costs for complying with the Florida Trench Safety Act (FS 553.60-553.64). The Bidder further identifies the cost of compliance with the applicable trench safety standards for the project as follows (Bidder to attach additional sheets as necessary to identify all costs):

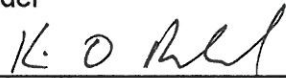
	Trench Safety Measure (Description)	Units of Measure (LF, SF, SY)	Unit Quantity	Unit Cost	Extended Cost
A	sloping	lf	1,950	\$ 2.00	\$3,900.00
B					
C					
D					
E					
F					
TOTAL					\$ 3,900.00

The total cost shown herein is already included in the various items on the Bid Form and is not additional to the pricing shown on the Bid Form.


Bidder, by signature below, assures that the contractor performing trench excavating will comply with the applicable Trench Safety Standards.

Submitted, signed and sealed this 14th day of September, 2016.

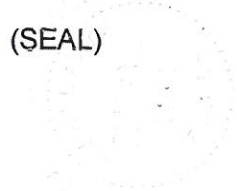
Rowland Inc.
Bidder


Signature

Kevin D. Rowland, President
Printed Name and Title

ATTEST:

Kenneth, D. Rowland
Signature

09/14/2016
Date



END OF SECTION

SECTION 00520
AGREEMENT FORM

PART 1 GENERAL

1.01 **THIS AGREEMENT**, made this 20th day of October, 2016, by and between Utilities Inc. of Florida, hereinafter called the Owner, and Rowland Inc., whose principal and local address is Kevin Rowland; 6855 102nd Ave North Pinellas Park, FL 33782, hereinafter called the Contractor.

1.02 **The Owner and Contractor Agree as follows:**

A. **Contract Documents**

The Contract Documents include the Agreement, Addenda (which pertain to the Contract Documents), Contractor's Bid, Notice to Proceed, the Bonds, the General Conditions, the Supplementary Conditions, the Specifications listed in the Index to the Project Manual, any technical specifications as incorporated by the Project Manual; the Drawings as listed in the Project Manual, all Written Amendments, Change Orders, Work Change Directives, Field Orders, and Engineer's written interpretations and clarifications issued on or after the Effective Date of this Agreement. These form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein.

B. **Scope of Work**

The Contractor shall perform all work required by the Contract Documents for the construction of the Lake Tarpon Water Main Replacement.

C. **Contract Time**

The Contractor shall begin work after the issuance of a written Notice to Proceed from Owner and shall substantially complete the work within the Contract Time identified in Paragraphs 1.02.C.5 of the Bid Form, which is 150 calendar days. The work shall be finally complete, ready for Final Payment in accordance with the General Conditions, within 30 calendar days from the actual date of substantial completion.

D. **Liquidated Damages**

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not

substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER \$1,000.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (1/4) of the rate set forth above.

E. Contract Price

Lump Sum Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order, the Total Contract Price of One Million, Forty-eight Thousand, Three Hundred and Twenty-one Dollars and Zero Cents (\$ 1,048,321.00). Payments will be made to the Contractor based on the Lump Sum Bid amount, the Schedule of Values included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein, and subject to completion of the work, in accordance with the Contract Documents.

F. Payments

The Owner will make payments as provided in the General Conditions and Supplementary Conditions. After review and acceptance from the Owner and Engineer, the Owner will provide payment for all stored materials.

G. Retainage

The value of each application for payment shall be equal to the total value of the Work performed to date, less an amount retained, and less payments previously made and amounts withheld in accordance with the General Conditions and Supplementary Conditions. Retainage for this project is 10%, to be held by Owner as collateral security to ensure completion of Work. Upon substantial completion, the Owner will reduce retainage to 5%.

H. Engineer

The Project has been designed by Kimley-Horn and Associates, Inc., referred to in the documents as the Engineer, whose authority during the progress of construction is defined in the General Conditions and Supplementary Conditions.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

CONTRACTOR:

Rowland Inc.

Name of Firm

K. D. Rowland
By (Signature)

(SEAL)

Kevin D. Rowland, President

Printed Name and Title

ATTEST:

Rick Mansfield
By (Signature) **Rick Mansfield**
VP & CFO
Rowland Inc.

Printed Name and Title

OWNER:

Utilities Inc. of Florida

Name of Owner

Patrick Flynn
By (Signature)

(SEAL)

Patrick Flynn, Vice President

Printed Name and Title

ATTEST:

Michael Wilson
By (Signature)

MICHAEL WILSON - Reg. No. 1166
Printed Name and Title

END OF SECTION



QUOTE

Quote

Utility Group of Florida, LLC

10130 Scenic Dr.
 Port Richey, FL 34667
 1.727.863.5161 (phone) 1.727.869.5913 (fax)

Date: December 12, 2016
 Invoice #:
 Customer ID: -
 Purchase Order #:

Quote For:

Utilities Inc. of Florida
 C/O Mike Wilson
 C/O Lee Neal

Project:

Village of Lake Tarpon
 Customer Water Service Tie-Ins

Representative					
Corey Wittenzellner					

Qty	Units	Description	Unit Price	Total
Customer Water Service Tie-Ins				
		Installation and tie-in of new new water services extending from the new customer meters extending to the old customer meter location. Including relocation of meters, all necessary piping and fittings needed to make the connection, and restoration.		
260.00		Connections	\$ 495.00	\$ 128,700.00
		Pricing based upon "normal/common" connection requirements. Connections requiring removal structures, concrete, and/or required plumbing underneath a mobile home will reflect agreed upon change order pricing.		

Subtotal

customer signature	Date
Position	Facility

Total

\$ 128,700.00

Special Notes and Instructions



December 6, 2016

To: Mike Wilson
Utilities Inc. of Florida
200 Weathersfield Ave.
Altamonte Springs, FL 32714

Re: Lake Tarpon Water Main Replacement

Dear Mike:

The intent of the plans and specifications released for bid on 8/15/2016 was to replace and relocate a portion of the existing water mains within the Lake Tarpon System, from the utility easements behind the homes to the front right-of-way. These improvements will require approximately 260 water services to be relocated from the back of the homes to the right-of-way. The lowest responsible bidder, Rowland, misunderstood the representation of the plans and did not include the segment of ¾-inch service piping between the meter and the home. During our pre-construction meeting, Rowland brought up this concern and later provided an amendment to include the construction of the water services. Rowland's revised construction cost detailed below is still below the cost of the next lowest responsible bidder. Below is a breakdown of the costs provided by Rowland compared to the original opinion of probable cost provided by Kimley-Horn:

Rowland Original Bid Price (09/14/2016)	\$1,048,321.00
Rowland Cost for Service Line Extensions (11/17/2016)	\$388,430.00
Rowland Total Project Cost	\$1,436,751.00
Kimley-Horn Opinion of Probable Cost	\$1,648,350.00

Kimley-Horn originally negotiated a reduced cost with Rowland for the water services, which is the cost demonstrated above. Bids from other contractors to install the segment of ¾-inch pipe for each water service are being requested from other contractors for a cost comparison.

If you have any questions, or need any additional information, please do not hesitate to contact me or Shelby Hughes at 813-635-5580 or via email at Wade.Wood@Kimley-Horn.com or Shelby.Hughes@Kimley-Horn.com.

Very truly yours,
KIMLEY-HORN AND ASSOCIATES, INC.

Wade Wood, P.E.
Project Manager