## Interoffice Memorandum



August 30, 2021

TO:

Mayor Jerry L. Demings
-AND-
County Commissioners

FROM: Ed Torres, M.S., P.E., LEED AP, Director Utilities Department

SUBJECT: BCC Agenda Item – Consent Agenda September 14, 2021 BCC Meeting Change Order Number 4 to Contract Y18-719-TA John Young Parkway Reclaimed Water Main Improvements Contact Person: Troy Layton, BCEE, Manager Utilities Field Services Division 407-254-9794

Felix Associates of Florida, Inc. has submitted a price proposal for additional services under the terms of Contract Y18-719-TA. The project furnished and installed reclaimed water main including approximately: 17,000 linear feet of 24-inch ductile iron pipe, 1,000 liner feet of casing pipe, 4,400 linear feet of 30-inch directional drilled pipe to upsize the existing system. Approximately 9,000 linear feet of 12-inch reclaimed water main was removed along with removal and replacement of storm piping and replacement of trees damaged as part of the work.

The proposed Change Order Number 4, in the amount of \$312,239.86, provides for final quantity adjustments for additions and deductions to the work. Additional footage of directionally drilled 30-inch pipe was required in multiple locations due to access issues in the field along with conflicts with the SR 528 interchange. Additional footage of bore and jack casing was required in multiple locations to account for asbuilt lengths installed due to constructability and access for the work. Deductions included removal of storm structures, elimination of small pipe and removal of a 24-inch directional drill

A summary of previous change orders is provided below.

- Change Order No. 1, for the addition of \$7,484.89, was approved June 2019 for the relocation of an existing 24-inch gate valve and costs for the demolition and removal of existing concrete from a previous pipe repair.
- Change Order No. 2, in the amount of \$125,546.00, was approved June 2020 to install piping at a deeper elevation due to a conflict with the future Shingle Creek Trail project. In addition there were costs to perform emergency work at the 30-inch forcemain including removal of the required bypass, demobilize and then reestablish the bypass at a later date due to a high head condition created by a pipe break in the system.
- Change Order No. 3, in the amount of \$283,212.48, was approved May 2021 to relocate the 42-inch jack and bore due to a conflict with an existing storm piping under the SR 417. The work required grouting casing pipe, remobilizing and reinstalling the 42-inch casing pipe at a different location.

The original contract was in the amount of \$8,772,546.50. The four Change Orders increase the contract value by \$728,483.23 or 8.34%. The revised contract amount is \$9,501,029.73.

Action Requested:	Approval and execution of Change Order Number 4, Contract Y18-719- TA, John Young Parkway Reclaimed Water Main Improvements, with
	Felix Associates of Florida, Inc., in the amount of \$312,239.86, for a revised total contract amount of \$9,501,029.73.

Districts 1 and 4.

APPROVED BY ORANGE COUNTY BOARD OF COUNTY COMMISSIONERS

SEP 1 4 2021

## **ORANGE COUNTY UTILITIES**

Contractor:	Felix Associates of Florida, Inc.	Change Order Number 4	Page 1 of 2	
Vendor Code		Date June 17 2021		
Contract No.	Y18-719-TA	Original Contract Amount	\$8,772,546.50	
Project Name	John Young Parkway Reclaimed Water Main Improvements	Revised Contract Amount	\$9,501,029.73	

Engineer BFA, Inc.

Sequence No.

62605

Item No.	Quantities	Unit	Description	Unit Price	Additions	Deductions
1 <sup>,</sup>	6	EA	COR7-1: Install DIP underneath Existing Drainage (15"-24"), Sta	\$3,325.00	\$19,950.00	
2	3	EĄ	COR7-2: Install DIP underneath Existing Drainage (30"-36"), Sta	\$6,182.00	\$18,546.00	
3	501	LF	COR0011-1: Additional Directional Drill 30" HDPE RWM, Sta 29	\$510.00	\$255,510.00	
4	1	EA	COR0011-9: Exploratory Soft Digs for Alternate Pipe Locations	\$19,406.33	\$19,406.33	
5	1	EA	COR0011-10: Additional Survey	\$3,762.50	\$3,762.50	
6	1	EA	COR0011-11: Remobilization to JYP & SR 528	\$2,539.27	\$2,539.27	
7	1	EA	COR0011-12: Temporary Access Ramp to Exit Pit Sta 303+40	\$2,782.85	\$2,782.85	
8	1	EA	COR0011-13: Bonds Increase	\$2,694.28	\$2,694.28	
9	1	EA	COR12: FDOT Lighting conduit/wire replacement	\$16,200.08	\$16,200.08	
10	-5	LF	Adjust Line Item #11: Furnish and Install 12-inch DI Reclaimed	\$180.00		(\$900.00
11	-1172.9	LF	Adjust Line Item #12: Furnish and Install 24-inch DI Reclaimed	\$138.00		(\$161,860.20
12	4	LF	Adjust Line Item #25: Bore and Jack 42" Steel Casing, Sta 129+	\$1,030.00	\$4,120.00	
13	23	LF	Adjust Line Item #26: Bore and Jack 42" Steel Casing, Sta 131+	\$1,040.00	\$23,920.00	
14	1	LF	Adjust Line Item #27: Bore and Jack 42" Steel Casing, Sta 136+	\$1,320.00	\$1,320.00	
15	54	LF	Adjust Line Item #29: Bore and Jack 42" Steel Casing, Sta 306+	\$1,020.00	\$55,080.00	
16	9	LF	Adjust Line Item #31: Bore and Jack 42" Steel Casing, Sta 326+	\$900.00	\$8,100.00	1
17	-44	LF	Adjust Line Item #32: Install Steel Casing by Open Cut	\$300.00		(\$13,200.00
			Subtotal From Page 2 Quantities		\$273,016.00	(\$218,747.25
			Totals		\$706,947.31	(\$394,707.45
Percent		1	Net Dollars This Change			(400 11 01 110
Complete Time	100%	Percen	t Complete Cost: 100% Order		\$312,239.86	

Percent				Net Dollars This Change	
Complete Time	100%	Percent Complete Cost:	100%	Order	\$312,239.86
Total Time Previo	ous			Net Dollars Previous	
Change Orders		120	Days	Change Order	416,243.37
Total Time This C	hange			Net Dollar Changes to	
Order		130	Days	Date	\$728,483.23
Original Contract	Time	750	Days	Original Contract Dollar Amount	\$8,772,546.50
	Time	1000	Days	Revised Contract Dollar Amount	\$9,501,029.73
CONTRACTOR				ORANGE COUNTY	UTILITIES

## CONTRACTOR

This change order includes not only all direct costs of contractor such as labor, material, job overhead, and profit markup but also includes any costs for modifications or changes in sequence of work to be performed, delays rescheduling, disruptions, extended direct overhead, acceleration, material, or other escalation which includes wages, and other impact costs.

RY Contractor's Signature OHN GRAF BY\_\_

Accepted for Contractor By: Print Name & Title

Approval Recommended: Date Bv Name: James Montalvo Chief Inspector By Mana Βv **Director Utilities** Drange County Mayor

## **ORANGE COUNTY UTILITIES**

Contractor:	Felix Associates of Florida, Inc.	Change Order Number	4	Page 2 of	2
Vendor Code		Date June 17	2021	_	
Contract No.	Y18-719-TA	Original Contract Amount		\$8,772,546.50	
Project Name	John Young Parkway Reclaimed Water Main	Revised Contract Amount		\$9,501,029.73	
	Improvements	Engineer	BFA, Inc.		

Item No.	Quantities	Unit	Description	Unit Price	Additions	Deductions
18	10	LF	Adjust Line Item #33: Directional Drill 30" HDPE RWM, Sta 16	\$510.00	\$5,100.00	
19	20	LF	Adjust Line Item #34: Directional Drill 30" HDPE RWM, Sta 21	\$480.00	\$9,600.00	
20	13	LF	Adjust Line Item #35: Directional Drill 30" HDPE RWM, Sta 244	\$510.00	\$6,630.00	
21	6	LF	Adjust Line Item #37: Directional Drill 30" HDPE RWM, Sta 27	\$490.00	\$2,940.00	
22	115	LF	Adjust Line Item #38: Directional Drill 30" HDPE RWM, Sta 28	\$500.00	\$57,500.00	
23	265	LF	Adjust Line Item #39: Directional Drill 30" HDPE RWM, Sta 30	\$500.00	\$132,500.00	
24	1	EA	Adjust Line Item #41: Furnish and Install Offset 2-inch ARV Ass	\$4,620.00	\$4,620.00	
25	-1	EA	Adjust Line Item #42: 30-inch RCP Storm removal and replacer	\$10,110.00		(\$10,110.0
26	-1	EA	Adjust Line Item #43: 48-inch RCP Storm removal and replacer	\$10,980.00		(\$10,980.0
27	-1	EA	Adjust Line Item #44: 15-inch RCP Storm removal and replacer	\$9,110.00		(\$9,110.0
28	-1	EA	Adjust Line Item #45: 30-inch RCP Storm removal and replacer	\$10,470.00		(\$10,470.0
29	-1	EA	Adjust Line Item #47: 15-inch RCP Storm removal and replacer	\$6,140.00		(\$6,140.0
30	-1	EA	Adjust Line Item #48: 15-inch RCP Storm removal and replacer	\$6,650.00		(\$6,650.0
31	-1	EA	Adjust Line Item #49: 15-RCP RCP Storm removal and replace	\$6,020.00		(\$6,020.0
32	-1	EA	Adjust Line Item #50: 15-RCP RCP Storm removal and replace	\$6,020.00		(\$6,020.
33	-1	EA	Adjust Line Item #50: 15-RCP RCP Storm removal and replace	\$6,020.00		(\$6,020.
34	-1	EA	Adjust Line Item #51: 15-RCP RCP Storm removal and replace	\$8,430.00		(\$8,430.0
35	-1	EA	Adjust Line Item #53: 18-RCP RCP Storm removal and replace	\$8,430.00		(\$8,430.
36	-1	EA	Adjust Line Item #54: 36-RCP RCP Storm removal and replace	\$5,490.00		(\$5,490.
37	-1	EA	Adjust Line Item #55: 36-inch Duel RCP Storm removal and replace	\$14,400.00		(\$14,400.
38	732	SY	Adjust Line Item #61: Remove and Replace Concrete Sidewalk	\$60.00	\$43,920.00	(\$14,400.
39	164	LF	Adjust Line Item #65: Remove Existing 12-inch RVC RWM	\$16.00	\$2,624.00	
40	-1424	SY	Adjustment Line Item #66: Furnish, Install and Maintain Sod	\$6.00	ψ2,024.00	(\$8,544.
40	-35	EA	Adjust Line Item #67: Furnish, Install and Maintain Magnolia Tr	\$510.00		(\$17,850.0
41	-13	EA	Adjust Line Item #69: Relocate Existing 6-inch Magnolia Trees	\$3,550.00		(\$46,150.0
42	-34		Adjust Line Item #70: Furnish and Install 24-inch DR 11 HDPE	\$230.00		(\$7,820.
43	-16	LF	Adjust Line Item #70: Furnish and Install 24-Inch DR 18 Force I	\$230.00		(\$3,680.
44	59	LF	Adjust Line Item #75: Remove existing 30-inch DIP FM	\$27.00	\$1,593.00	(\$0,000.
45	-50		Adjust Line Item #75: Abandon in place Grout Fill 30-inch Force	\$53.00		(\$2,650.
40	-1	EA	BFA (Engineer of Record) Back charges for additional service-	\$10,046.40		(\$10,046.
48	-269.35	HR	OCU Inspector Overtime Charges	\$51.00	_	(\$13,736.
40	1	LS	Relocation of Existing 30" Valve	\$5,989.00	\$5,989.00	(\$10,700.
43				ψ0,000.00	40,000.00	
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