

PORT ST. LUCIE CITY COUNCIL
AGENDA ITEM REQUEST

COUNCIL ITEM 7I
DATE 3/26/12

Meeting Date: March 26, 2012

Public Hearing _____ Ordinance _____ Resolution _____ Motion X

Item: Contract #20110018 Amendment #1 CO #2 - EWIP Landscaping & Irrigation at Howard Creek STA & Burr Street Pond

Recommended Action:

- 1) Approval of Change Order #2 to the Amendment of the Patio Circle Contract that adds the landscaping and irrigation of the Howard Creek STA and Burr Street Pond project with Natures Keeper, Inc. in the amount of **\$154,066.11**. The new Contract amount is \$897,111.99. Contract period will remain at forty hundred eighty five (485) calendar days as no additional days are required for this change order.

Exhibits: Department memo attached [X] yes [] no
Copies of the Proposals

Summary Explanation/Background Information: The City approved the Amendment to the Patio Circle EWIP project to include the Howard Creek Landscaping and Irrigation Project on February 28, 2011 in the amount of \$711,737.63. This change order #2 is for the final true up of the project which includes the addition of new pay items and the adjustment of existing pay item quantities. This change order involves new pay items for selective clearing and herbicide application at both sites; new pay items for landscaping to provide additional buffering along the existing fence line on the north side of the Howard Creek STA; new pay items to provide bahia and floritam sod; new pay items to relocate the fiber optic system due to a conflict in the original alignment; and the final adjustment of pay item quantities to reflect the actual quantities used. The cost of this change order is \$154,066.11 and does not require any additional calendar days. The Engineering Department has reviewed Natures Keeper's proposal and recommends City Council approve the Change Order.

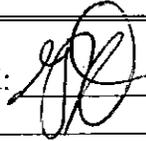
Purchase is budgeted in the 403 Fund.

Expenditure: **\$154,066.11**

Department requests expenditure from the following:

Fund	403	EWIP Fund
Cost Center	4126	Streets & Drainage
Object Code	568812	Infrastructure
Project	Y1018	EWIP Howard Creek STA Retrofit

Director of OMB concurs with award: 

City Manager concurs with award: 

Department requests: 0 minutes to make a presentation.

RECEIVED

Submitted by: Kim Graham for Patricia Roebing

Date Submitted: MAR 26 2012

Title: Assistant City Engineer

City Manager's Office

CHANGE ORDER

(Instructions on reverse side)

No.: Change Order No. 2(Final True-up)

PROJECT:	EWIP	DATE OF ISSUANCE:
OWNER:	City of Port St. Lucie 121 SW Port St. Lucie Boulevard Port St. Lucie, Florida 34984	OWNER's Project No.: 20110018 Amendment #1
CONTRACTOR:	NATURE'S KEEPER 3795 Sneed Road Fort Pierce, Florida 34945	
CONTRACT FOR:	Howard Creek/Bur.St Landscaping & Irrigation	

You are directed to make the following changes in the Contract Documents.

Description: City of Port St. Lucie Contract No. 20110018, Amendment #1, CO #2

Purpose of Change Order:

1. Final true up to adjust pay item quantities to reflect actual quantities.
2. Create new pay items for selective clearing, landscaping, sodding and fiber system.
3. All other contract provisions/addenda remain in full force & effect.

Please see attached Document of Changes.

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIME:
Original Contract Price \$ 711,737.63	Original Contract Time 485 days or date
Previous Change Orders No. \$ 31,308.25	Net change from previous Change Orders 0 days
Contract Price prior to this Change Order \$ 743,045.88	Contract Time prior to this Change Order 485 days or date
Net Increase (Decrease) of this Change Order \$ 154,066.11	Net Increase (Decrease) of this Change Order 0 days
Contract Price with all approved Change Orders \$ 897,111.99	Contract Time with all approved Change Orders 485 days or date

RECOMMENDED:	APPROVED:	APPROVED:
By _____	by _____	by _____
Engineer	Owner	Contractor



"A City for All Ages"

CITY OF PORT ST. LUCIE

Engineering Department

Accredited Agency - American Public Works Association

MEMORANDUM

TO: CHERYL SHANABERGER - DEPUTY DIRECTOR OF OMB
FROM: STEVE JUNGJOHAN - MANAGER, CIP *M*
THRU: JAMES ANGSTADT, P.E. - PROFESSIONAL ENGINEER, STORMWATER *SEA*
DATE: MARCH 14, 2012
RE: EWIP-HOWARD CREEK/BUR STREET POND, LANDSCAPING & IRRIGATION
NATURE'S KEEPER
CONTRACT NO. 20110018, AMENDMENT NO. 1
CHANGE ORDER NO. 2 - FINAL TRUE-UP

Attached please find a change order form and a document of changes spreadsheet for Change Order No. 2 to Contract 20110018, Amendment No. 1 with Nature's Keeper for close out of the landscaping and irrigation improvement work associated with the Howard Creek Stormwater Treatment Area and the Bur Street Pond which are part of the Eastern Watershed Improvement Project. The Engineering Department is requesting authorization by the City Council for the Acting City Manager to execute the necessary change order referenced above and as further described below.

Change Order No. 2 to the Howard Creek Stormwater Treatment Area and the Bur Street Pond contract with Nature's Keeper (Contract No. 20110018, Amendment No. 1) involves the addition of new pay items and the adjustment of existing pay item quantities for the final true-up of the project. This change order involves the following:

- Adjustment of pay item quantities to reflect actual construction quantities. The quantities adjusted include both landscaping and irrigation components. The total cost of these adjustments is \$44,062.07.
- Additional pay items for selective clearing and herbicide application at both sites. The original landscape plan called for maintaining an existing buffer along the west side of the Howard Creek Stormwater Treatment Area as well as along the south side of the Bur Street Pond. During the course of construction, it was noted that the buffer areas were inundated with exotic foliage which the City is required to remove. The selective clearing option was undertaken so that exotics were removed while maintaining the existing established trees. Staff negotiated with the contractor for this item with new unit prices which is reflected in this change order. The additional selective clearing was undertaken for a cost of \$48,935.44.
- Additional pay items for landscaping. During the course of construction, a need was identified to provide additional buffering along the existing fencing on the north side of the Howard Creek STA to enhance the property. In addition, select plantings were provided in the STA to improve the water quality provisions of the STA. These adjustments were installed for a cost \$12,424.72.
- Additional pay items were added for providing bahia and floritam sod. As the construction of the STA proceeded, it became evident that the sod placed by the STA contractor would be disturbed by the

activities of the Landscape contractor thereby wasting a significant amount of sod. Also, in the midst of the re-grading of the Howard Creek channel, it was determined that there would be a significant overrun in the quantity of sod needed for the project. In an effort to reduce the cost of this overrun as well as reduce the disturbance of sod, staff elected to remove the majority of the sod installation from the STA contractor and assign it to the Landscape contractor. This adjustment was reflected in a recent change order to the STA construction contract and resulted in a credit to that contract. In addition, the City elected to require additional improvements to the Bur Street Pond which necessitated the need for additional sodding. The cost of the additional sod is \$40,505.06.

- Additional pay items were added for the fiber optic system. During construction the original alignment for the fiber optic conduit was revised due to conflicts with existing underground utilities. This required that the system be installed under the proposed articulated concrete block system at the north inflow pipe and routed along an easement area to US-1. The cost for this change is \$8,138.82.

This change order will result in an increase in the contract price of \$154,066.11 for a new contract total of \$897,111.99. This change order involves no change in contract time. This contract is funded by account number 403-4126-568812-Y1018.

The Engineering Department has reviewed this documentation and recommends approval of Change Order No. 2. Please schedule Change Order No. 2 for presentation at the next available City Council meeting for their consideration. Two (2) original signed change order forms will be forwarded to your office once they have been signed by the contractor. If additional documentation is needed, or if you have any questions, please do not hesitate to contact me. Thank you for your cooperation.

/jca

c: Gregory Oravec, Acting City Manager
Jesus Merejo, Utility Systems Director
Patricia Roebbing, P.E., City Engineer
Kimberly Graham, P.E., Assistant City Engineer
Dave Pollard, Director of OMB
James E. Angstadt, P.E., Civil Engineer
Sue Walsh, P.E., Manager, Operations

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**EWIP Howard Creek and Bur Street - Landscaping & Irrigation
Change Order #1 (Final True-Up)**

Howard Creek										
GENERAL ITEMS	LINE NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	New Quantity	NEW UNIT PRICE	QUANTITY CHANGE	AMOUNT	
	4	MULCH (3" MIN. THICK) (PLACE AS DIRECTED)	SY	8474.5	2.95	8813.5	2.95	339	\$ 1,000.05	
		Subtotal Added Item							\$ 1,000.05	
IRRIGATION ITEMS										
	15	RAIN BIRD PESH SERIES REMOTE CONTROL VALVE	EA	28	220.00	29	220.00	1	\$ 220.00	
	16	CARSON 1220 JUMBO VALVE BOX WITH LID	EA	32	50.00	33	50.00	1	\$ 50.00	
	17	CLASS 200 LATERAL LINE (INCLUDES FITTINGS) (SIZE PER PLAN)	LF	13800	0.18	14710	0.18	910	\$ 163.80	
	18	RAIN BIRD 1404 PC BUBBLER NOZZLE ON POLY PIPE	EA	524	20.00	580	20.00	56	\$ 1,120.00	
	19	HUNTER POP-04-CV WITH #9 NOZZLE	EA	289	35.00	324	35.00	35	\$ 1,225.00	
		Total for Irrigation Items							\$ 2,778.80	
LANDSCAPING AND GRASSES										
	30	FAKAHATCHEE GRASS	#3	1,259	\$4.95	4387	4.95	3128	\$ 15,483.60	
		Total for Shrubs and Groundcover							\$ 15,483.60	
TREES										
	38	BAUD CYPRESS	#25	630	\$50.00	633	50.00	3	\$ 150.00	
	42	ROYAL POINCIANA	#45	17	\$460.00	21	460.00	4	\$ 1,840.00	
	44	LIVE OAK	#100	168	\$129.00	208	129.00	40	\$ 5,160.00	
	45	SABAL PALM	12' - 18'	128	\$159.00	131	159.00	3	\$ 477.00	
	46	GLAUCOUS CASSIA	#45	21	\$114.00	24	114.00	3	\$ 342.00	
		Total for Trees							\$ 7,969.00	
	47	PERFORMANCE BOND					3,488.50	1	\$ 3,488.50	
ADDITIONAL ITEMS										
		Selective Clearing, Herbicide, Weeding					34,171.39	LS	\$ 34,171.39	
		AS-bunks for Fiber Optic					935.00	LS	\$ 935.00	
		Remove dead pines and stump grind					830.00	LS	\$ 830.00	
		Bore under articulated truck and fuse					6,156.00	LS	\$ 6,156.00	
		Pull boxes for fiber optic along US1					1,047.82	LS	\$ 1,047.82	
		Fire Flag Plants				60	0.86	60	\$ 51.60	
		Wax Myrtle 30 Gal				90	75.00	90	\$ 6,750.00	
		Wax Myrtle 45 Gal				12	100.00	12	\$ 1,200.00	
		Canary Island Date Palm				1	1,600.00	1	\$ 1,600.00	
		Bismark Palm				1	213.00	1	\$ 213.00	
		Area Palm				18	95.84	18	\$ 1,725.12	
		Wild Coffee				160	6.75	160	\$ 1,080.00	
		Hire Diver				1	330.00	1	\$ 330.00	
		Bahia Sod				21778	1.40	21778	\$ 30,380.31	
		Floritan				1250	2.23	1250	\$ 2,787.50	
		Total for additional Work							\$ 89,257.74	
MOWING										
	49	SITE MOWING (Approximately 3 Acres)	PER EVENT	18	704.00	24	704.00	6	\$ 4,224.00	
		Total for Mowing							\$ 4,224.00	
									\$ 124,201.77	

**EWIP Howard Creek and Bur Street - Landscaping & Irrigation
Change Order #1 (Final True-Up)**

Bur Street									
GENERAL ITEMS	DESCRIPTION	UNIT	QTY	UNIT PRICE	NEW QUANTITY	NEW UNIT PRICE	QUANTITY CHANGE	AMOUNT	
4	MULCH (3" MIN. THICK) (PLACE AS DIRECTED)	SY	2712	\$ 2.95	3594	\$ 2.95	882	\$ 2,601.90	
	Subtotal Added Item							\$ 2,601.90	
IRRIGATION ITEMS									
15	RAIN BIRD PESH SERIES REMOTE CONTROL VALVE	EA	12	\$ 260.00	15	\$ 260.00	3	\$ 780.00	
16	CARSON 120 JUMBO VALVE BOX WITH LID	EA	15	\$ 50.00	18	\$ 50.00	3	\$ 150.00	
17	CLASS 200 LATERAL LINE (INCLUDES FITTINGS) (SIZE PER PLAN)	LF	5600	\$ 0.18	6800	\$ 0.18	1200	\$ 216.00	
18	RAIN BIRD 1404 PC BUBBLER NOZZLE ON POLY PIPE	EA	22	\$ 20.00	26	\$ 20.00	4	\$ 80.00	
19	HUNTER PGP-04-CV WITH #9 NOZZLE	EA	63	\$ 35.00	88	\$ 35.00	25	\$ 875.00	
	Total for Irrigation Items							\$ 2,101.00	
LANDSCAPING AND GRASSES									
25	MACHO FERN	SPEC	QTY	UNIT PRICE	NEW QUANTITY	NEW UNIT PRICE	QUANTITY CHANGE		
	#1	30" - 36"	632	\$ 2.95	717	\$ 2.95	85	\$ 250.75	\$ 250.75
	Total for Shrubs and Groundcover							\$ 250.75	
TREES									
38	ROYAL PONCIANA	SPEC	QTY	UNIT PRICE	NEW QUANTITY	NEW UNIT PRICE	QUANTITY CHANGE		
	#45	14" - 16"	10	\$ 460.00	12	\$ 460.00	2	\$ 920.00	\$ 920.00
44	RED MAPLE	SPEC	QTY	UNIT PRICE	NEW QUANTITY	NEW UNIT PRICE	QUANTITY CHANGE		
	#65	14"	14	\$ 119.00	15	\$ 119.00	1	\$ 119.00	\$ 119.00
45	BALD CYPRESS	SPEC	QTY	UNIT PRICE	NEW QUANTITY	NEW UNIT PRICE	QUANTITY CHANGE		
	#25	10"	74	\$ 50.00	79	\$ 50.00	5	\$ 250.00	\$ 250.00
46	BALD CYPRESS	SPEC	QTY	UNIT PRICE	NEW QUANTITY	NEW UNIT PRICE	QUANTITY CHANGE		
	#45	12"	74	\$ 72.00	82	\$ 72.00	8	\$ 576.00	\$ 576.00
47	BALD CYPRESS	SPEC	QTY	UNIT PRICE	NEW QUANTITY	NEW UNIT PRICE	QUANTITY CHANGE		
	#65	4" Cal	76	\$ 148.00	77	\$ 148.00	1	\$ 148.00	\$ 148.00
	Total for Trees							\$ 2,013.00	
	PERFORMANCE BOND					\$ 831.39	1	\$ 831.39	
ADDITIONAL ITEMS									
	SELECTIVE CLEARING, GRADING, HERBICIDE SPRAYING, REPAIR IRRIGATION				LS	\$ 13,934.05	LS	\$ 13,934.05	
	BAHIA SOD				5100SY	\$ 1,395.00	5100	\$ 7,114.50	
	FLORATAM SOD				100 SY	\$ 2,227.50	100	\$ 222.75	
	WAX MYRTLE				15	\$ 75.00	15	\$ 1,125.00	
	SPARTINA				6000	\$ 0.45	6000	\$ 2,700.00	
	GREEN BUTTONWOOD				0	\$ 174.00	-25	\$ (4,350.00)	
	Total for Additional Items							\$ 20,746.30	
MOWING									
49	SITE MOWING (Approximately 2 Acres)	PER EVENT	QTY	UNIT PRICE	NEW QUANTITY	NEW UNIT PRICE	QUANTITY CHANGE		
	Total for Mowing				24	\$ 220.00	6	\$ 1,320.00	\$ 1,320.00
								\$ 29,864.34	
								\$ 154,066.11	