

PORT ST. LUCIE CITY COUNCIL
AGENDA ITEM REQUEST

COUNCIL ITEM ^{7C}
DATE 3/12/12

Meeting Date: March 12, 2012

Public Hearing Ordinance Resolution Motion

Item: E-Bid #20110045 CO #1 - Eastern Watershed Improvement Project (EWIP) Mary Terrace & Leithgow Street Stormwater Treatment Area (STA) Project

Recommended Action:

- 1) Approval of Change Order #1 to Melvin Bush Construction, Inc. for the construction the Eastern Watershed Improvement Project (EWIP) Mary Terrace & Leithgow Street Stormwater Treatment Area (STA) in the amount of (\$29,066.70) & 0 additional calendar days. The new Contract amount is \$482,244.50. The Contract period remains at 180 calendar days.

Exhibits: Department memo attached yes no

Summary Explanation/Background Information: The Mary Terrace & Leithgow Street Stormwater Treatment Area (STA) is the latest element of the Eastern Watershed Improvement Projects (EWIP) to be scheduled for construction. The Mary Terrace project site is located east of Lennard Road and north of Maslan Avenue along Mary Terrace. The Leithgow Street STA is located east of Lennard Road and north of Maraposa Avenue on Leithgow Street. Each STA involves the construction of a small stormwater treatment area comprised of a wet detention facility and adjacent shallow shelf area. They also include drainage conveyance piping, utility relocations, and soil erosion measures. This change order includes adjustments of pay items to reflect actual construction quantities. The quantities adjusted include regular excavation, excavation for improved soils, performance turf, pipe installation, irrigation allowance & utility allowances. This change order also includes unit pricing for selective clearing at both Mary Terrace and Leithgow Street ponds, additional pay items to raise two (2) drainage structure tops at Mary Terrace and additional pay items were added for constructing a stabilized driveway across a roadway swale to access the boat ramp at Leithgow Street pond which would be used to facilitate the maintenance of the aquatic vegetation within the pond.

Purchase is not a replacement Purchase is budgeted.

Award Amount: **(\$29,066.50) net decrease**

Department requests expenditure from the following:

Fund	403	EWIP Fund
Cost Center	4126	Street & Drainage
Object Code	568812	Other Infrastructure
Project	00000	n/a

Director of OMB concurs with award: *CR* City Manager concurs with award: *JAB*

Department requests 0 minutes to make a presentation.

Submitted by: Patricia Roebing

Date Submitted: 2/27/2012

Title: City Engineer

RECEIVED
FEB 28 2012
City Manager's Office

CHANGE ORDER

No.: Change Order # 1 - Final True-up

PROJECT:	City of Port St. Lucie	DATE OF ISSUANCE:	
OWNER:	City of Port St. Lucie 121 SW Port St. Lucie Boulevard Port St. Lucie, Florida 34984	OWNER's Project No.:	<u>20110045</u>
CONTRACTOR:	Melvin Bush Construction, Inc 2748 S.W. Casella St Port St. Lucie, Florida 34953	ENGINEER:	
CONTRACT FOR:	EWIP Mary Terrace STA and Leithgow Street STA		

We are recommending the following changes in the contract document for City of Port St. Lucie Contract No. 20110045

Purpose of Change Order:

- 1) Create new pay items for: Selective Clearing by Sampson Tree Service at Mary Terrace and Leithgow Street STA's, adjustment of drainage structures, swale liner at Leithgow Street and installation of grassed driveway and culvert for maintenance access at Leithgow Street STA.
- 2) Final true up to adjust pay item quantities to reflect actual quantities.
- 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 \$ <u>511,311.20</u>	Original Contract Time <u>180</u> days or date
Previous Change Order \$ <u> -</u>	Net change from previous Change Orders <u>0</u> days
Contract Price prior to this Change Order \$ <u>511,311.20</u>	Contract Time prior to this Change Order <u>180</u> days or date
Net Increase (Decrease) of this Change Order \$ <u>(29,066.70)</u>	Net Increase (Decrease) of this Change Order <u>0</u> days
Contract Price with all approved Change Orders \$ <u>482,244.50</u>	Contract Time with all approved Change Orders <u>180</u> days or date

RECOMMENDED:	APPROVED:	APPROVED:
By _____	by _____	by _____
Date: _____	Date: _____	Contractor Date: _____



"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: JAMES E. ANGSTADT, P.E., CIVIL ENGINEER **JEA**

DATE: FEBRUARY 17, 2012

RE: EASTERN WATERSHED IMPROVEMENT PROJECT
MARY TERRACE AND LEITHGOW STREET STORMWATER TREATMENT AREAS
MEL BUSH CONSTRUCTION, INC., CONTRACT NO. 20110045
CHANGE ORDER NO. 1 – FINAL TRUE-UP

Attached please find a change order form and summary of changes spreadsheet for Change Order No. 1 to Contract No. 20110045 with Melvin Bush Construction, Inc. for close out on the construction work associated with the Mary Terrace and Leithgow Street Stormwater Treatment Areas which are a part of the Eastern Watershed Improvement Project (EWIP). We are herein requesting authorization by the City Council for the City Manager to execute the necessary change order as referenced above and as further described below.

Change Order No. 1 to the Mary Terrace/Leithgow Street contract with Mel Bush Construction, LLC (Contract No. 20110045) involves the following:

- Adjustment of pay item quantities to reflect actual construction quantities. The quantities adjusted include regular excavation, excavation for improved soils, performance turf, pipe installation, irrigation allowances and utility allowances. The total credit for these adjustments is \$43,392.70.
- Adjustment of the unit prices for selective clearing at both Mary Terrace and Leithgow Street ponds to reflect a change requested by City staff. Upon completion of site clearing operations, staff re-evaluated the buffer areas between the ponds and residences and requested the contractor perform a less mechanized and more labor-intensive clearing operation within the buffer zones to protect the existing native vegetation. Staff negotiated a new unit price per pond location with the contractor which is reflected in this change order as a full credit to the original pay items (\$3,300.00 and \$1,650.00 for Mary Terrace and Leithgow Street respectively) and issuance of new prices (\$8,800.00 and \$2,200.00 respectively).
- Additional pay items to raise two drainage structures tops at Mary Terrace. Following installation of the drainage structures, it was evident that the existing swales at the NE and NW corners of Mary Terrace and Maslan Avenue would retain water during the wet season due to the depth of the drainage structures in comparison to the seasonal high water elevation of the Seybold Waterway. Two concrete collars (risers) were installed for a net of \$1,044.00.
- Additional pay items were added for constructing a stabilized driveway across a roadway swale to access the boat ramp at Leithgow Street pond which will be used to facilitate the maintenance of the aquatic vegetation within the pond. The need for the driveway became evident only after the contractor had completed the site work and rainfall saturated the area such that access to the pond

could not be achieved without damaging the swale. To construct the driveway, the contractor was required to re-mobilize forces/equipment and provide the materials noted in the attached summary. The total added cost of the stabilized driveway is \$7,232.00

The change order will result in an overall net decrease in the contract price of \$29,066.70 for a new contract total of \$482,244.50. There is no change to the original contract time. This contract is funded by account number 403-4126-568812-00000.

Please schedule Change Order No. 1 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.

JEA/cc

cc: Greg Oravec, Assistant City Manager
Jesus Merejo, Utility Systems Director
Patricia Roebing, P.E., City Engineer
Kim Graham, P.E., Assistant City Engineer
Dave Pollard, Director of OMB
Sue Walsh, Budget Specialist

S:\projects\EWIP\5.0 Construction\5.1 Contract Documents\5.1.3 Contractor\5.1.3.1 Mel Bush\CO NO. 1 - Final True-up\12-02-17 MEM OMB EWIP Mary Leithgow CO 1.FTBush.doc

EWIP Mary Terrace and Leithgow Street STA - Change Order No. 1 Final True-up

Item No.	Description	Unit	Original Quantity	Original Unit Price	New Quantity	New Unit Price	Quantity Change	Amount
SCHEDULE 1 - MARY TERRACE STA								
Added Items								
	Selective Clearing (Sampson Tree Service)	AC	0	\$ -	0.8	\$ 11,000.00	0.8	\$ 8,800.00
	Type E Collar (Structure M-3 & M-4)	EA	0	\$ -	2	\$ 522.00	2	\$ 1,044.00
	Subtotal Added Items Mary Ter							\$ 9,844.00
Adjusted Items								
599-000	Exotic Removal (Selective Clearing)	AC	0.8	\$ 4,125.00	0	\$ 4,125.00	-0.8	\$ (3,300.00)
120-1	Regular Excavation	CY	26000	\$ 3.65	25000	\$ 3.65	-1000	\$ (3,650.00)
120-1A	Regular Excavation, for Improved Soil	CY	1700	\$ 3.65	1200	\$ 3.65	-500	\$ (1,825.00)
570-1-2A	Performance Turf (Sod)(Bahia)	SY	4800	\$ 2.50	3099	\$ 2.50	-1701	\$ (4,252.50)
599-999	Irrigation Repair Allowance	LS	1	\$ 10,000.00	0	\$ 10,000.00	-1	\$ (10,000.00)
1000-000	Utilities Relocation Allowance	LS	1	\$ 5,000.00	0	\$ 5,000.00	-1	\$ (5,000.00)
	Subtotal Adjusted Items Mary Ter							\$ (28,027.50)
SCHEDULE 2 - LEITHGOW STREET STA								
Added Items								
	Selective Clearing (Sampson Tree Service)	AC	0	\$ -	0.5	\$ 4,400.00	0.5	\$ 2,200.00
	Mobilization (Boat Ramp)	LS	0	\$ -	1	\$ 2,000.00	1	\$ 2,000.00
	13" x 17" Corrugated Aluminum Pipe	LF	0	\$ -	20	\$ 61.30	20	\$ 1,226.00
	13" x 17" Mitered End Section	EA	0	\$ -	2	\$ 290.00	2	\$ 580.00
	Plastic Swale Liner	LF	0	\$ -	266	\$ 12.00	266	\$ 3,192.00
	Fill Material	CY	0	\$ -	18	\$ 13.00	18	\$ 234.00
	Subtotal Added Items Leithgow St							\$ 9,432.00
Adjusted Items								
599-000	Exotic Removal (Selective Clearing)	AC	0.5	\$ 3,300.00	0	\$ 3,300.00	-0.5	\$ (1,650.00)
120-1	Regular Excavation	CY	49500	\$ 3.65	48600	\$ 3.65	-900	\$ (3,285.00)
430-171-101B	24" Corrugated Aluminum Pipe	LF	38	\$ 48.90	20	\$ 48.90	-18	\$ (880.20)
570-1-2	Performance Turf (Sod)(Bahia)	SY	5000	\$ 2.50	5200	\$ 2.50	200	\$ 500.00
599-999	Irrigation Repair Allowance	LS	1	\$ 10,000.00	0	\$ 10,000.00	-1	\$ (10,000.00)
1000-000	Utilities Relocation Allowance	LS	1	\$ 5,000.00	0	\$ 5,000.00	-1	\$ (5,000.00)
	Subtotal Adjusted Items Leithgow St							\$ (20,315.20)
TOTAL								\$ (29,066.70)