

**PORT ST. LUCIE CITY COUNCIL
AGENDA ITEM REQUEST**

COUNCIL ITEM 13H
DATE 8/24/12

Meeting Date: September 24, 2012

Public Hearing Ordinance Resolution Motion

Item: E-Bid #20110077 CO #1 - Eastern Watershed Improvement Project (EWIP) Loutus Pond STA & Blackwell Waterway Improvements Project

Recommended Action:

- 1) Approval of Change Order #1 to American Earth Movers, Inc. for the construction of the Eastern Watershed Improvement Project (EWIP) Loutus Pond STA & Blackwell Waterway Improvement Project in the amount of \$53,204.74 and 25 additional calendar days. The new Contract amount is \$2,804,553.79 and the new Contract period will be 265 calendar days.

Exhibits: Department memo attached [X] yes [] no

Summary Explanation/Background Information: The Loutus Pond and the Blackwell Waterway Improvements are a part of the Eastern Watershed Improvement Projects (EWIP) that was awarded to American Earth Movers, Inc. and approved by Council on September 12, 2011. This Change Order addresses additional construction services needed due to modifications/revisions and unforeseen field conditions.

The additions and deletions include the articulated concrete block matting quantities; fencing at Cameo Blvd.; installation of staff gauges at the Loutus Pond outfall inlets and the Blackwell channel; adjustment of quantities for piping, bollards and rip-rap rubble for drainage revisions at the end of Calais Street; new pay items for fencing and gates at Marius Ave.; new pay items for canal fill work; and a new pay item for the removal and disposal of existing trash and mulch in the Blackwell channel.

The Public Works Department has reviewed these changes and recommends approval of Change Order #1 by the City Council.

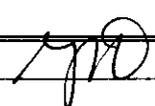
Purchase is not a replacement Purchase is budgeted.

Award Amount: **\$53,204.74 & 25 additional calendar days**

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: 

City Manager concurs with award: 

Department requests 0 minutes to make a presentation.

Submitted by: Patricia Roebeling

Date Submitted: 9/14/2012

Title: City Engineer

RECEIVED

SEP 14 2012

City Manager's Office

CHANGE ORDER

No.: Change Order # 1

PROJECT: EWIP Loutus Pond & Blackwell WW Improvements DATE OF ISSUANCE: 8/20/2012

OWNER: City of Port St. Lucie
121 SW Port St. Lucie Boulevard
Port St. Lucie, Florida 34984

CONTRACTOR: American Earth Movers, Inc.
940 NE 79th Street
Miami, Florida 33138

OWNER's Project No.: 20110077

ENGINEER: CAPTEC Engineering Inc.

CONTRACT FOR: Contract No. 2011077 - EWIP Loutus Pond
and Blackwell WW Improvements Project.

ENGINEER's Project # 1357.30

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

Description: City of Port St. Lucie Contract No. 20110077
Purchase Order No.: 20122154-03

Purpose of Change Order:

- 1) Additional Articulated Concrete Block mat (w/ Fabric) at overflow sheet pile weir (revised plan sheet 4 of 16).
 - 2) Add two (2) inlets, 24" HDPE pipe for drainage along Calais (revised plan sheet 8 of 16).
 - 3) Relocate 36" PVC storm FM and addition of Borrow exc. (revised plan sheets 9 & 10 of 16).
 - 4) Add four (4) Bollards at Mobile Pump Station (revised plan sheet 12 of 16).
 - 5) Excavate/Remove trash and muck from Blackwell Pump Station intake.
 - 6) Add three (3) Stream Gauges to Loutus Pond and Blackwell Pump Station (ref plan sheet 4 of 16).
 - 7) Add Fence and Fence Gate at end of Marius St. and at CPSL Cameo yard.
 - 8) Revise 36" Flap Gate from Stainless Steel to Heavy Duty Cast Iron.
- All other provisions of the Original Contract / Addendum remain in full force and effect.

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIME:
Original Contract Price <u>\$2,751,349.05</u>	Original Contract Time <u>240</u>
Previous Change Orders <u>\$0.00</u>	Net change from previous Change Orders <u>0</u> days
Contract Price prior to this Change Order <u>\$2,751,349.05</u>	Contract Time prior to this Change Order <u>240</u>
Increase this Change Order <u>\$53,204.74</u>	Net Increase of this Change Order <u>25</u> days
Contract Price with all approved Change Orders <u>\$2,804,553.79</u>	Contract Time with all approved Change Orders <u>265</u>

RECOMMENDED:

APPROVED:

APPROVED:

By _____
Engineer

by _____
Owner

by _____
Contractor



"A City for All Ages"

CITY OF PORT ST. LUCIE

Public Works Department

Accredited Agency - American Public Works Association

MEMORANDUM

TO: CHERYL SHANABERGER -DEPUTY DIRECTOR OF OMB

FROM: STEVE JUNGJOHAN, MANAGER CIP

THRU: JAMES E. ANGSTADT, P.E., ACTING ASSISTANT CITY ENGINEER *JEA*

DATE: AUGUST 2, 2012
REVISED: SEPTEMBER 12, 2012

RE: EASTERN WATERSHED IMPROVEMENT PROJECT (EWIP)
LOUTUS POND AND BLACKWELL WATERWAY IMPROVEMENTS
AMERICAN EARTH MOVERS - CONTRACT NO. 20110077
CHANGE ORDER NO. 1

Attached please find a change order form, a recommendation letter from Captec Engineering, Inc. (CEI), and a summary spreadsheet for Change Order No. 1 with American Earth Movers for construction revisions on the Loutus Pond and Blackwell Waterway Improvement project which is a component of the Eastern Watershed Improvement Project (EWIP). The Public Works Department is 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 Loutus pond and Blackwell WW Improvements project (Contract No. 20110077) with American Earth Movers involves additional construction services due to modifications/revisions and to address unforeseen field conditions. The change order involves the following:

- Additions and deletions of quantities of Articulated Concrete Block Matting and regular excavations to address design changes to adjust to field conditions. The addition of a new pay item for fencing at the Cameo material storage site to provide additional security. The addition of a new pay item for staff gauges at the Loutus Pond outfall to provide city personnel the ability to monitor water levels in the future. There is no additional contract time associated with these items. The total cost of these revisions is \$1,811.45.
- Additions and deletions of items and quantities of inlets, piping, bollards and rip-rap rubble for drainage revisions at the end of Calais Street to avoid utility (water and sewer) relocations. The deletion of a pay item for a 36" aluminum Flap gate and the addition of new pay item for a heavier cast iron flap gate to ensure that there is no backflow of water from the reservoir into the new pipe system. The deletion of a utility allowance and an irrigation repair allowance which were not utilized. The addition of new pay items for fencing and gates at Marius Avenue to provide added security and limit vehicular access onto City property south of the H-34 canal. The addition of a new pay item for canal fill work associated with revisions to the pipe system from Calais Street along the Blackwell Canal which were needed to address unforeseen field conditions. The drainage adjustments and the revisions to the pipe system required an additional ten (10) days be added to the contract time. The total cost for these items is \$5,893.29.

- The addition of a new pay item for removal and disposal of existing trash and muck in the Blackwell channel to improve flowage capacity. The need for this work was not evident until the contractor had cleared the area of exotic vegetation and the build-up of material was identified. Also, a new pay item for the two (2) staff gauges to allow for monitoring of water levels which not included in the original scope. The clean out of the channel required an additional fifteen (15) days of time. The total cost for these items is \$45,500.00.

This change order will result in an overall net increase in the contract price of \$53,204.74 for a new contract total of \$2,804,553.79. This change order involves the addition of 25 days for a total contract time of 265 days. The funding source for this work is 403-4126-568812-00000.

The Public Works Department has reviewed this documentation and recommends approval of Change Order No. 1. Please process this material and schedule it for presentation at the next available City Council meeting for the Council's consideration. If additional documentation is needed, or if you have any questions, please do not hesitate to contact me. Thank you for your cooperation.

c: Patricia Roebing, P.E., City Engineer
Dave Pollard, Director of OMB
Sue Walsh, Manager Operations

"EXHIBIT B"

Change Order No. 1

Schedule 1 - Loutus Pond

5/21/2012

Description	Unit	Original Quantity	Original Unit Price	New Unit Price	New Quantity	Date Adjustment This CO	Amount
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DELETED ITEMS		0	\$0.00	N/A	0	0	\$0.00
Subtotal Added Items							\$0.00

ADJUSTED ITEMS:

530-78	Articulated Concrete Block Mat (w/ Fabric)	SY	665	\$60.15	N/A	780	115	\$6,917.25
120-1	Regular Excavation	CY	180,000	\$5.06	N/A	178,720	-1,280	(\$6,476.80)
Subtotal Adjusted Items								\$440.45

ADDED NEW ITEMS

xxx-	Staff Gauge	EA	N/A	N/A	\$250.00	1	1	\$250.00
550-	Fence Gate, Type B, 6' Galv. Double 30' Cameo	EA	N/A	N/A	\$1,121.00	1	1	\$1,121.00
Subtotal Added Items								\$1,371.00

SUBTOTAL SCHEDULE 1 CHANGES

							\$1,811.45
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Schedule 2 Blackwell Waterway

DELETED ITEMS	Unit	Original Quantity	Original Unit Price	New Unit Price	New Quantity	Date Adjustment This CO	Amount
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1000-0	Utility Allowance	AL	1	\$10,000.00	N/A	0	-1	(\$10,000.00)
599-999	Irrigation Repair Allowance	AL	1	\$10,000.00	N/A	0	-1	(\$10,000.00)
430-880-3	36" SSF-41 Flap Gate	EA	1	\$6,750.80	N/A	0	-1	(\$6,750.80)
Subtotal Added Items								(\$26,750.80)

ADJUSTED ITEMS: (Add 5 days contract time)

425-1551	Inlets, Ditch Bottom, Type E, <10'	EA	0	\$2,015.15	N/A	2	2	\$4,030.30
430-174-124	24" ADS N-12 HDPE	LF	40	\$38.85	N/A	136	96	\$3,729.60
519-78	Bollards	EA	4	\$500.00	N/A	8	4	\$2,000.00
530-3-4	Rip-Rap Rubble 24"	SY	130	\$79.25	N/A	109	-21	(\$1,064.25)
550-10-242	Fencing, Type B, Vinyl Coating - Marius	LF	220	\$32.00	N/A	220	0	\$0.00
550-60-225	Fence Gate, Type B, Double - Marius & Cameo	EA	2	\$600.00	N/A	2	0	\$0.00
Subtotal Adjusted Items								\$8,095.65

ADDED NEW ITEMS: (Add 5 days contract time)

120-	Borrow Exc. - Canal Fill for PVC Pipe	LS	N/A	N/A	\$14,469.16	1	1	\$14,469.16
430-880-3	36" Cast Iron F-55 Flap Gate	EA	N/A	N/A	\$8,030.80	1	1	\$8,030.80
550-Fencing	Type B, 6' Galv. 49 LF - Marius	LS	N/A	N/A	\$1,045.48	1	1	\$1,045.48
550-Fence Gate	Type B, 6' Galv. Double 20' Marius	EA	N/A	N/A	\$1,003.00	1	1	\$1,003.00
Subtotal Added Items								\$24,548.44

SUBTOTAL SCHEDULE 2 CHANGES

							\$5,893.29
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Schedule 3 Blackwell Reservoir

DELETED ITEMS	Unit	Original Quantity	Original Unit Price	New Unit Price	New Quantity	Date Adjustment This CO	Amount
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		0	\$0.00	N/A	0	0	\$0.00
Subtotal Added Items							\$0.00

ADJUSTED ITEMS:

		1	\$0.00	N/A	0	0	\$0.00
Subtotal Adjusted Items							\$0.00

ADDED NEW ITEMS: (Add 15 days contract time)

xxx-	Staff Gauge	EA	N/A	N/A	\$250.00	2	2	\$500.00
120-	Channel Exc. - Trash and Muck Removal	LS	N/A	N/A	\$45,000.00	1	1	\$45,000.00
Subtotal Added Items								\$45,500.00

SUBTOTAL SCHEDULE 3 CHANGES

							\$53,204.74
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