

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

COUNCIL ITEM 7N
DATE 11/13/12

Meeting Date: November 13, 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 \$43,537.49 and 25 additional calendar days. The new Contract amount is \$2,794,886.54 and the new Contract period will be 265 calendar days.

Exhibits: Department memo attached 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 to address unforeseen field conditions. This Change Order also addresses additions and deletions of pay items and quantities that include regular excavation, inlets, piping, a 36" aluminum flap gate, utility and irrigation allowances, and rip-rap rubble for drainage revisions at Calais Street. New pay items include fencing at the Cameo material storage site, a heavier 36" cast iron flap gate, fencing and gates at Marius Avenue, canal fill work, and the removal and disposal of existing trash and muck in the Blackwell Channel. These adjustments and additions/deletions require an additional twenty five (25) calendar days to complete. Please see summary memo for additional information.

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: **\$42,416.49 from account #403-4126-568812-00000**

Award Amount: **\$1,121.00 from account #401-4126-563000-00000**

Department requests expenditure from the following:

Fund	403	EWIP Fund
	401	Stormwater Fund
Cost Center	4126	Street & Drainage
Object Code	568812	Other Infrastructure
	563000	Improvements Other Than Buildings
Project	00000	n/a

Director of OMB concurs with award: 

City Manager concurs with award: 

RECEIVED

Department requests 0 minutes to make a presentation.

OCT 18 2012

Submitted by: Patricia Roebing

Date Submitted: 10/17/2012

Title: City Engineer

City Manager's Office


CHANGE ORDER

No.: Change Order # 1

PROJECT: EWIP Loutus Pond & Blackwell WW Improvements DATE OF ISSUANCE: 10/16/2012

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

CONTRACTOR: American Earth Movers, Inc. OWNER's Project No.: 20110077
940 NE 79th Street
Miami, Florida 33138 ENGINEER: CAPTEC Engineering Inc.

CONTRACT FOR: Contract No. 2011077 - EWIP Loutus Pond ENGINEER's Project # 1357.30
and Blackwell WW Improvements Project.

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) Add two (2) inlets, 24" HDPE pipe for drainage along Calais (revised plan sheet 8 of 16).
- 2) Relocate 36" PVC storm FM and addition of Borrow exc. (revised plan sheets 9 & 10 of 16).
- 3) Excavate/Remove trash and muck from Blackwell Pump Station intake.
- 4) Add Fence and Fence Gate at end of Marius St. and at CPSL Cameo yard.
- 5) 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>\$43,537.49</u>	Net Increase of this Change Order <u>25</u> days
Contract Price with all approved Change Orders <u>\$2,794,886.54</u>	Contract Time with all approved Change Orders <u>265</u>

RECOMMENDED: APPROVED: APPROVED:

By _____ by _____ by _____

Engineer Owner Contractor



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., ASSISTANT PUBLIC WORKS DIRECTOR JEA

DATE: AUGUST 2, 2012
REVISED: OCTOBER 16, 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, 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 Waterway 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:

- The deletion of the quantity of regular excavation 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. There is no additional contract time associated with these items. The total credit for these revisions is \$5,355.80.
- Additions and deletions of items and quantities of inlets, piping, 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 \$3,893.29.
- 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

"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
DELETED ITEMS							
Subtotal Added Items		0	\$0.00	N/A	0	0	\$0.00

ADJUSTED ITEMS:

120-1 Regular Excavation	CY	180,000	\$5.06	N/A	178,720	-1,280	(\$6,476.80)
Subtotal Adjusted Items							(\$6,476.80)

ADDED NEW ITEMS

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							\$1,121.00

SUBTOTAL SCHEDULE 1 CHANGES

Schedule 2 Blackwell Waterway

Description	Unit	Original Quantity	Original Unit Price	New Unit Price	New Quantity	Date Adjustment This CO	Amount
DELETED ITEMS							
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
530- 3- 4 Rip-Rap Rubble 24"	SY	130	\$79.25	N/A	109	-21	(\$1,664.25)
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							\$6,095.65

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							\$3,893.29

Schedule 3 Blackwell Reservoir

Description	Unit	Original Quantity	Original Unit Price	New Unit Price	New Quantity	Date Adjustment This CO	Amount
DELETED ITEMS							
Subtotal Added Items		0	\$0.00	N/A	0	0	\$0.00
ADJUSTED ITEMS:							
Subtotal Adjusted Items		1	\$0.00	N/A	0	0	\$0.00

ADDED NEW ITEMS: (Add 15 days contract time)

120- Channel Exc. - Trash and Muck Removal	LS	N/A	N/A	\$45,000.00	1	1	\$45,000.00
Subtotal Added Items							\$45,000.00

SUBTOTAL SCHEDULE 3 CHANGES

TOTAL CHANGES CO #1							\$43,537.49
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