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FINANCIAL SERVICES
NASSAU COUNTY, FL

CHANGE ORDER APPROVAL FORM

2011 MAY 13 P 4: 27

PROJECT: Inward Gradient Remedial Strategy

CHANGE ORDER NUMBER: 02

West Nassau Landfill – Project No. 993-3928.74

DATE: 05/05/11

CONTRACT NUMBER: CM1166-74

TO CONTRACTOR: Golder Associates Inc.

Reason for Change Order: This change order is required based on the actual time of the implementation of the Workplan (2011) as compared to the time of that the original cost estimate was prepared (2007). The original cost estimate for implementing the Inward Gradient Workplan was prepared in 2007 and, because of delay in the approval of the Workplan by FDEP, the work is being conducted now (2011). The attached change order request from Golder Associates Inc. dated 03/31/11 includes a brief discussion of the reasons for the estimated cost for the change order.

Original Contract Sum.....	\$	<u>95,600.00</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>162,132.00</u>
Contract Sum Prior to This Change Order.....	\$	<u>257,732.00</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>14,623.89</u>
New Contract Sum Including this Change Order.....	\$	<u>272,355.89</u>

70361534-531302
\$ 87743
70362534-531300
\$ 13,74646
5/10/11

APPROVED BY: [Signature]
Project Manager (Department Head)

DATE: 5/6/11

APPROVED BY: [Signature]
Contract Manager

DATE: 5/9/11

APPROVED BY: [Signature]
Director of Office of Management & Budget

DATE: 5-12-11

APPROVED BY: [Signature]
County Manager

DATE: 5/12/11

RECEIVED
OFFICE OF CLERK OF COURTS
NASSAU COUNTY, FLORIDA
11 MAY 16 PM 1:51



VIA EMAIL ONLY

March 31, 2011

993-3928.74

Mr. J. Scott Herring, PE
West Nassau landfill
46026 Landfill Road
Callahan, FL 32011

RE: CHANGE ORDER REQUEST
INWARD GRADIENT WORKPLAN IMPLEMENTATION
WEST NASSAU CLASS I LANDFILL
NASSAU COUNTY, FLORIDA

Dear Scott:

Golder Associates Inc. (Golder) is requesting a change order for the above-referenced project (Golder Project No. 993-3928.74). This change order is required based on the actual time of the implementation of the Workplan (2011) as compared to the time of that the original cost estimate was prepared (2007). The original cost estimate for implementing the Inward Gradient Workplan was prepared in 2007 and, because of delay in the approval of the Workplan by FDEP, the work is being conducted now (2011). This change order includes a brief discussion of the reasons for a change order, the current project schedule, and the estimated cost for the change order.

REASON FOR CHANGE ORDER

Golder submitted a cost proposal to the County in May 2007 to implement the Inward Gradient Workplan once approved by FDEP. This scope of work included evaluation of the french drain pumping system, installation of piezometers at the french drain and on the southeast side of the landfill, installation of recovery wells and bubbler wells on east and south sides of the landfill (to automate the pumping of water from inside the slurry wall), limited system monitoring, and preparation of an as-built report and operations manual for long-term operation of the system. Golder estimated the costs for the work using current (in 2007) drilling, equipment, and materials costs, as well as our current (2007) labor rates. As a result of the delay of the start of this work (based on FDEP's approval of the Workplan in late-2010), the costs of many of the components of the implementation have increased significantly. Additionally, our proposal was prepared while the landfill was still operating and we had assumed that some assistance would be provided by landfill personnel; as the landfill has closed, landfill personnel have been reduced and the availability of the current personnel is such that we have scheduled an additional Golder technician to make up the difference in available assistance. It is noted that even though Golder's labor rates have increased since our 2007 proposal, we have continued to invoice the County at the 2007 rates.

SCHEDULE

Golder has begun the implementation component of the scope of services in our original proposal. In anticipation of approval of the Workplan, the southeast piezometers were installed in late-2007 (and have been invoiced previously). The Workplan was approved as part of the Closure Permit in September 2010 and Golder re-started the work on the Workplan implementation. As of the date of this letter, we have completed the installation of the piezometers in the french drain, and the recovery and bubbler wells. The evaluation of the french drain system is ongoing with weekly water level measurements and varying pumping situations. We are installing the remainder of the system (air lines, water transmission lines, and electrical conduit) and will be testing the system within the next two weeks. After testing the system, additional monitoring may be required.

Golder Associates Inc.
9428 Baymeadows Road, Suite 400
Jacksonville, FL 32256 USA
Tel: (904) 383-3430 Fax: (904) 383-3445 www.golder.com



Golder Associates: Operations In Africa, Asia, Australasia, Europe, North America and South America

CHANGE ORDER COST ESTIMATE

As stated above, the original cost estimate for the Workplan Implementation was prepared in 2007 and the costs for subcontractor services, equipment, and materials has increased significantly such that additional funds are needed to allow Golder to recover its costs. The attached Table 1 provides a summary of the costs incurred now (2011) versus the costs included in our 2007 proposal or an estimate of the increase in materials costs based on industry information. As shown on Table 1, the direct costs (subcontractors, materials and equipment) from the 2007 proposal are provided and the quotes from the vendors and subcontractors are shown for QED and drillers; both the 2007 and 2011 costs include a 10% markup. The proposal costs for the construction supplies and field equipment are shown and the 2011 cost is based on the estimated increase in prices for these items. For example, the majority of the costs for the supplies are associated with the HDPE pipe materials. According to our vendor, ISCO, the cost increase from January 2007 to January 2011 was approximately 25%, so we have used a 2011 cost that is 25% higher than the 2007 proposal cost. Similarly, the equipment costs are generally associated with Golder equipment, and we have estimated an approximately 10% cost increase since 2007.

As stated earlier, our original proposal assumed we would have some assistance from landfill personnel during the installation of the system. Because the landfill is closed and there are fewer personnel and equipment available, we are not able to rely on assistance from landfill personnel (although they have offered to help when they can). As a result, we have scheduled a third Golder technician to be available during system installation. Because we were only relying on landfill personnel on a part time basis, in this change order we have only included the cost for 20 hours per week for two weeks for our third technician.

As shown on the table, the total difference between the 2007 and 2011 cost is \$14,623.89. We are requesting this amount as a change order to the current cost proposal, making the total for this work scope at \$272,336. This change order represents only about a 5% increase in the total cost and only about 8% increase in the implementation phase of the project (Tasks 5 through 10).

TERMS AND CONDITIONS

This work will be performed under the Agreement for Consulting Services between Golder and the County, dated February 22, 1999.

Golder appreciates this opportunity to provide our services to Nassau County. If you have any questions regarding this change order, please do not hesitate to call.

Sincerely,

GOLDER ASSOCIATES INC.



Wendy D. Karably
Senior Consultant and Principal

Attachment – Table 1 – Cost Estimation Differences – Workplan Implementation

FN: G:\Projects\993\993-39\993-3928-74\74 Gradient WP Implementation CO.docx

**TABLE 1
COST ESTIMATION DIFFERENCES - WORKPLAN IMPLEMENTATION**

Task/Expenses	Cost est in prop	2011 Cost	Difference
	(direct costs incl. 10% markup)		
QED Quote - recovery well pump/bubbler system	\$ 38,500.00	\$ 46,849.39	\$ (8,349.39)
Recovery and bubbler well installation subcontractors	\$ 30,580.00	\$ 32,638.05	\$ (2,058.05)
French Drain piezometer subcontractor	\$ 5,060.00	\$ 2,671.46	\$ 2,388.54
Construction supplies	\$ 13,600.00	\$ 17,000.00	\$ (3,400.00)
Field Equipment	\$ 6,050.00	\$ 6,655.00	\$ (605.00)
Labor (2 weeks x 20/wk x 1 tech @ \$65/hr)	\$ -	\$ 2,600.00	\$ (2,600.00)
Totals	\$ 93,790.00	\$ 108,413.89	\$ (14,623.89)
Note: See change order letter for explanation of costs.			

Cathy Lewis

From: Becky Diden
Sent: Tuesday, May 10, 2011 1:31 PM
To: Cathy Lewis
Cc: Cindy Wood; Shelley Caldwell; Scott Herring
Subject: RE: .74 Change Order-Budget Transfers
Attachments: 20110510132228691.pdf

Please find attached the BT that was processed and signed off by Scott. Please utilize this copy if the original cant be found. I have prepared a BT today for the 70361534 fund.

From: Cathy Lewis
Sent: Tuesday, May 10, 2011 1:08 PM
To: Becky Diden
Cc: Cindy Wood
Subject: RE: .74 Change Order-Budget Transfers
Importance: High

We are unable to find the 4/25/11 referenced BT. Please email along with a BT for acct 70361534-531302 to Cindy Wood and she will post promptly. Thank you.

Cathy Lewis, CPA
Senior Financial Management Analyst
Office of Management & Budget
Nassau County Board of County Commissioners
96135 Nassau Place, Suite 2
Yulee, Florida 32097
(904)491-7370 phone
(904)321-5917 fax
clewis@nassaucountyfl.com

From: Becky Diden
Sent: Tuesday, May 10, 2011 12:54 PM
To: Cathy Lewis
Subject: .74 Change Order

Please split the Change Order for project .74 by the following:

70361534-531302 \$877.43 (I will need to do a BT for this account. I will process one today)
70362534-531302 \$13,746.46 (I processed a BT on 4/25 for this account. I don't believe it has posted)

Becky Diden
Administrative Asst II
Nassau County Solid Waste
46026 Landfill Rd.
Callahan, FL 32011
904-548-4972

5/10/2011

Budget Transfer Request

Requesting Dept: SOLID WASTE **Fund:** SW **Transfer #** _____
Requested By: B.Diden *[Signature]* **Date:** 4/25/2011
Purpose: Change Order for Golder Project.74

	Acct. Number	Acct. Description	Amount	Available Budget
Transfer:				
From:	<u>70362534-531325</u>	<u>PS-Golder-O&M</u>	\$ (12,871)	\$ 12,871.56
To:	<u>70362534-531302</u>	<u>Prof svc-Golder</u>	\$ 12,871	\$ 30,502.62
From:	<u>7062534-531311</u>	<u>Prof Services WNLF</u>	\$ (1,753)	\$ 5,164.50
To:	<u>70362534-531302</u>	<u>Prof svc-Golder</u>	\$ 1,753	\$ 43,373.62
From:	_____	_____	_____	_____
To:	_____	_____	_____	_____
From:	_____	_____	_____	_____
To:	_____	_____	_____	_____
From:	_____	_____	_____	_____
To:	_____	_____	_____	_____
From:	_____	_____	_____	_____
To:	_____	_____	_____	_____
From:	_____	_____	_____	_____
To:	_____	_____	_____	_____

Fin. Serv. U.S. Only
 Verified Available

Approved By: **BOCC:** _____ **Clerk of Courts:** _____
Date: _____ **Date:** _____

Financial Services U.S. Only
 Action Completed Signature/Date

FOR 2011 13

ACCOUNTS FOR: 470 SOLID WASTE MGMT FUND		REVISD BUDGET	YTD EXPENDED	ENCUMBRANCE/REQ	AVAILABLE BUDGET	% USED
ORIGINAL APPROP	TRANS/ADJSMTS					

70362534 WN PH II NEW PC & CLOSURE						

70362534 512000	REGULAR SALARIES AND WAGES					
	61,235.00					
	-22,626.00	38,609.00	21,004.99	0.00	17,604.01	54.4%
70362534 512002	SALARIES - ON CALL					
	0.00	6,930.00	3,470.00	0.00	3,460.00	50.1%
70362534 514000	OVERTIME					
	0.00	5,000.00	3,895.85	0.00	1,104.15	77.9%
70362534 521010	FICA TAXES					
	3,797.00	3,133.00	1,741.11	0.00	1,391.89	55.6%
70362534 521020	MEDICARE TAXES					
	888.00	732.00	407.20	0.00	324.80	55.6%
70362534 522000	RETIREMENT					
	6,932.00	5,721.00	3,055.53	0.00	2,665.47	53.4%
70362534 523010	LIFE & HEALTH INSURANCE					
	7,118.00	7,118.00	2,851.44	0.00	4,266.56	40.1%
70362534 524010	WORKERS' COMPENSATION					
	4,072.00	4,072.00	2,588.00	0.00	1,484.00	63.6%
70362534 531035	DRUG TESTING					
	45.00	45.00	0.00	0.00	45.00	.0%
70362534 531302	PROF SERVICES-GOLDER					
	212,056.00	189,056.00	14,648.30	152,253.08	22,154.62	88.3%*
70362534 531311	PROF SERVICES-WEST NASSAU					
	33,570.00	33,570.00	10,650.50	17,755.00	5,164.50	84.6% from
70362534 531313	PROF SERVICES-LEECHATE-WN					
	435,412.00	431,748.00	98,777.50	332,970.50	0.00	100.0%*
70362534 531313	CSCSW PROF SERVICES-LEECHATE-WN					
	70,588.00	70,588.00	70,588.00	0.00	0.00	100.0%
70362534 531319	PS-GOLDER .66 LFGTE					
	0.00	1,500.00	0.00	1,500.00	0.00	100.0%
70362534 531325	PS-GOLDER-O&M LFG 1/13/03					
	122,200.00	124,740.00	25,500.44	78,020.00	21,219.56	83.0% from
70362534 541000	COMMUNICATIONS					
	240.00	427.00	240.00	0.00	187.00	56.2%
70362534 542000	FREIGHT AND POSTAGE SERVICES					
	166.00	166.00	35.31	0.00	130.69	21.3%
70362534 543000	UTILITY SERVICES					
	16,884.00	16,884.00	7,070.49	0.00	9,813.51	41.9%
70362534 544000	RENTALS AND LEASES					
	296.00	296.00	290.00	0.00	6.00	98.0%
70362534 545000	INSURANCE					
	8,966.00	6,929.00	423.40	0.00	6,505.60	6.1%
	-2,037.00					

70362534 531302 + 8,348 pending BT