

CS-11-176

RECEIVED
CONTRACT MANAGEMENT

West Nassau Landfill - Final Closure 2012 MAR 16 AM 11:39
Contract No. CM1734 (Bid No. NC11-004)

ALLOWANCE AUTHORIZATION
(Line Item #4)

12 MAR 20 PM 12:59
OFFICE OF CLERK OF COURTS
NASSAU COUNTY FLORIDA

Issued by: Golder Associates Inc.
To: Comanco Environmental Corporation
Allowance Authorization No.: 10
Date: 3/15/2012

Description: The following allowance is authorized:

1 Excavation work to access pre-existing smooth liner along northern tie-in \$ 49,918.68
Total of 5,022 CY of material to be excavated and replaced
(\$9.94/CY is detailed in the attached back-up from Comanco)

Total: \$ 49,918.68 ✓

Additional Time Authorized. NA Days (Additional days must be approved by written Change Order)

Beginning Allowance Amount: \$ 600,000.00
Allowance Previously Authorized: \$ 80,915.17
Remaining Allowance Available: \$ 519,084.83 ✓
Amount Authorized by this Allowance \$ 49,918.68 ✓
Amount Remaining: \$ 469,166.15 ✓ RKH 3/16/12

Glenn R. Carwell III March 15, 2012
Issued by: Glenn R. Carwell III, Senior Engineer and Associate Date
Golder Associates

Clayton Lung March 15, 2012
Accepted by: Clayton Lung, Project Manager Date
Comanco Environmental Corporation

Scott Herring 3/16/12
Approved by: Scott Herring, Director of Public Works Date
Nassau County Florida

Charlotte Young 3/16/12
Approved by: Charlotte Young, Contracts Administrator Date
Nassau County Florida



March 14th, 2012

Mr. Chip Carwell
Golder Associates
9428 Baymeadows Road, Suite 400
Jacksonville, FL 32256

RE: WEST NASSAU LANDFILL CLOSURE I - Allowance Request #10 – Excavation to Find Old Liner

The work associated with this item includes excavation and hauling (to stockpile) of materials in order to locate the existing old liner on the north end of the closure area. There is an estimated **5,022 CY** of material to be handled. This number was derived from approximately 7,442 CY in place now – 2,420 CY which is to be cut and filled per the contract.

Excavation and stockpiling of this material will take an estimated 50 crew hours and require the following:

EQUIPMENT: one 330 excavator, one 25 ton off road haul truck;
LABOR: one operator, one laborer (spotter), one driver.

Loading, hauling, and replacing the material will take an estimated 60 crew hours and require the following:

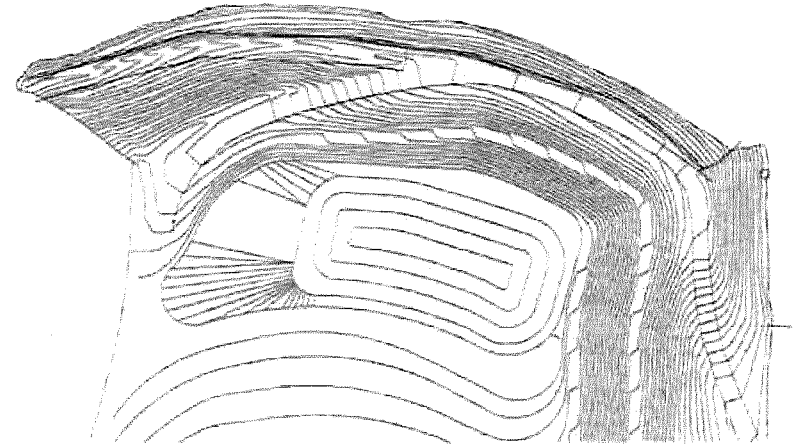
EQUIPMENT: one 330 excavator, one 850 dozer, one Sakai track roller, one 25 ton off road haul trucks;
LABOR: three operators, one driver, one laborer (spotter).

The total costs are as follows: EQUIPMENT - \$27,669 and LABOR - \$22,249.68 for a total cost of **\$49,918.68**

TOTAL COST OF \$49,918.680 / 5,022 C'Y = **\$9.94 / CY**

*ALLOWANCE: *For deeper parts of the excavation, if required, trench box rental with shoring safety equipment: \$2,000 / week.*

07114592 Nassau
 File: North Excavation CO JS 2-29-12.esw



Red linework represents Golder & Associates assumed dike position

Diagrams are for reference only. All elevations are in feet above sea level.

AT length North Side
 1,223 LF

AT length East Side
 258 LF

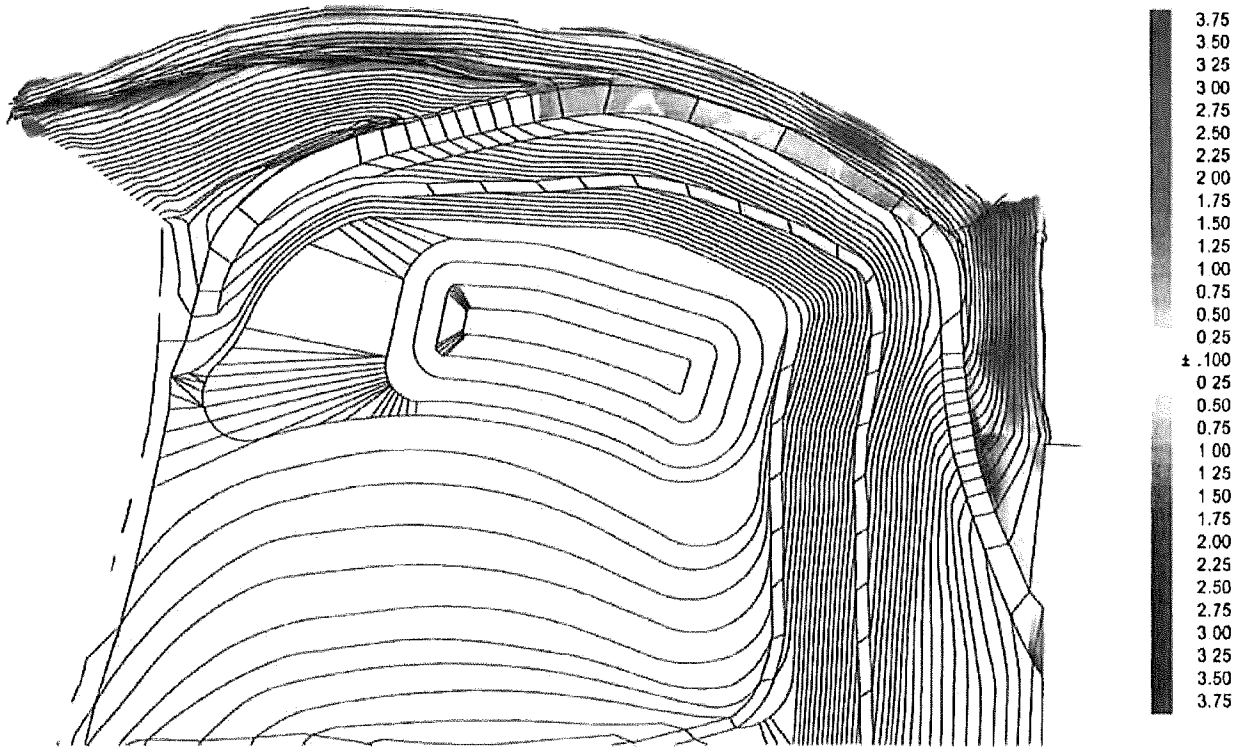
Volume Report
 Design vs. Existing

	Total	Area		OnGrade	Volume		Comp/Ratio		Compact		Export-Import	Change Per .1 Ft
		Cut	Fill		Cut	Fill	Cut	Fill	Cut	Fill		
Clay Excavation	41,816	20,354	19,578	2,936	810	676	1.00	1.00	810	676	134	155
East End Excavation North Slope	49,786	41,033	7,164	1,589	3,613	262	1.00	1.00	3,613	262	3,351	184
West End Excavation North Slope	52,271	40,056	10,758	1,458	3,829	656	1.00	1.00	3,829	656	3,173	194
Regions Total	143,875	101,442	36,600	5,833	8,262	1,594			8,262	1,594	6,668	533

7,442 cy

07114592 Nassau

File: North Excavation CO Overburden Backout JS 3-9-12.esw



$$7,442 - 2,420 = \underline{\underline{5,022 \text{ cy}}}$$

**Volume Report
Design vs. Existing**

	Total	Cut	Area Fill	OnGrade	Volume Cut	Volume Fill	Comp/Ratio Cut	Comp/Ratio Fill	Compact Cut	Compact Fill	Export	Change Per .1 Ft
Clay Excavation Overburden	41,818	26,665	11,820	3,333	1,133	319	1.00	1.00	1,133	319	814	155
East End Excavation North Slope Overburden	49,786	15,098	27,675	7,013	430	819	1.00	1.00	430	619	-189	184
West End Excavation North Slope Overburden	52,271	26,557	19,879	5,835	857	471	1.00	1.00	857	471	386	194
Regions Total	143,875	68,320	59,374	16,181	2,420	1,409			2,420	1,409	1,011	533

This report calculates material from the 2-23-2012 REH existing conditions surface down to the proposed subgrade

Disregard fill quantities for purposes of backing out of original North Excavation CO report dated 2-29-12