

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 COUNTY
NASSAU COUNTY, FLORIDA

Issued by: Golder Associates Inc.
To: Comanco Environmental Corporation
Allowance Authorization No.: 11
Date: 3/15/2012

Description: The following allowance is authorized:

1 Removal and disposal of pre-existing smooth liner along northern tie-in. \$ 18,982.60
Total of 102,057 SF of material to be removed and disposed of off-site.
(\$0 186/SF is detailed in the attached back-up from Comanco)

Total: \$ 18,982.60 ✓

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

Beginning Allowance Amount: \$ 600,000.00
Allowance Previously Authorized: \$ 130,833.85
Remaining Allowance Available: \$ 469,166.15 ✓
Amount Authorized by this Allowance: \$ 18,982.60 ✓
Amount Remaining: \$ 450,183.55 ✓

RKH
3/16/12

Glenn R. Carwell III March 12, 2012
Issued by: Glenn R. Carwell III, Senior Engineer and Associate Date
Golder Associates

Clayton Lung March 12, 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 #11 – Removal & Disposal of Old Liner

The work associated with this item consists of removal and disposal of the old liner once it has been located and uncovered at the north end of the closure area. There is approximately **102,057 SF** of old liner to be removed.

Although this may come across as a simple task, Comanco has performed this activity on numerous projects and this is a very detailed activity to perform. The attention to detail removing the liner in manageable intact sizes is critical to the amount of dumpsters needed. We will need to cut the liner into sizes that will lay flat in the dumpsters or roll them up to maximize the quantity that will fit in a dumpster. The need for the liner to be free of dirt is also very important, due to the charges for waste are per the weight in each dumpster. All of these items are labor and equipment intensive.

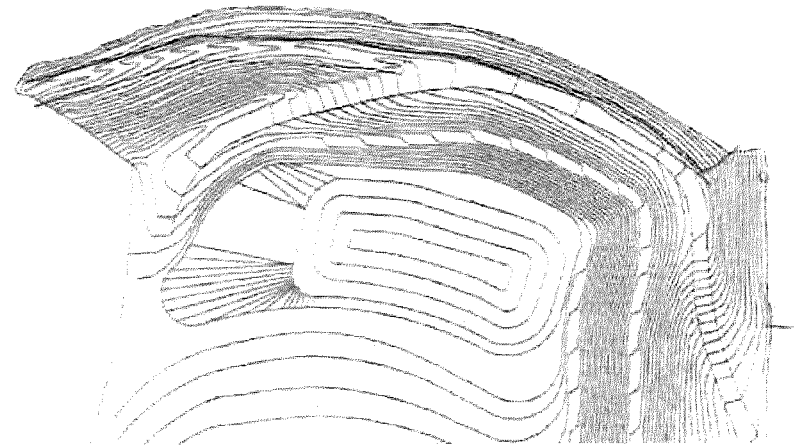
This work will take an estimated 36.5 crew hours and require the following:

EQUIPMENT: one small excavator, one loader
LABOR: Two operators, four laborers.
Dumpster Pulls: 8 pull & Returns (\$400.00 per Pull)

The total costs are as follows: EQUIPMENT - \$11,112.48 and LABOR - \$4,670.12 and DUMPSTER \$3,200.00 for a total cost of **\$18,982.60**

TOTAL COST OF \$18,982.60/ 102,057 LF = **\$0.186 / SF**

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



Red linework represents Golder & Associates assumed dike position.

Blue linework represents measured dike position via polygons.

AT length North Side
 1,223 LF

AT length East Side
 258 LF

Volume Report
 Design vs. Existing

	Total	Area		OnGrade	Volume		CompRatio		Compact		Export Change	
		Cut	Fill		Cut	Fill	Cut	Fill	Cut	Fill	Import	Per .1 Ft.
Clay Excavation	41,818	20,354	18,578	2,886	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	40,055	10,758	1,458	3,829	656	1.00	1.00	3,829	656	3,173	194
Regions Total	143,875	101,442	36,500	5,933	8,252	1,694			8,252	1,694	6,658	633

→ 101,057 SF of LINER To Be Removed