

West Nassau Landfill - Final Closure
Contract No. CM1734 (Bid No. NC11-004)

ALLOWANCE AUTHORIZATION
(Line Item #4)

RECEIVED
CONTRACT MANAGEMENT
2012 MAY -2 PM 12: 18

Issued by: Golder Associates Inc.

To: Comanco Environmental Corporation

Allowance Authorization No.: 13

Date: 4/13/2012

Description: The following allowance is authorized:

1. East and Southeast Culvert Installation \$ 32,263.19

(Lump sum cost break down is detailed in the attached back-up from Comanco)

Total: \$ 32,263.19 ✓

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

Beginning Allowance Amount: \$ 600,000.00

Allowance Previously Authorized: \$ 152,316.45 ✓

Remaining Allowance Available: \$ 447,683.55 ✓

Amount Authorized by this Allowance: \$ 32,263.19 ✓

Amount Remaining: \$ 415,420.36 ✓ *RET 4/26/12*

Glenn R. Carwell April 23, 2012
Issued by: Glenn R. Carwell III, Senior Engineer and Associate
Golder Associates Date

Clayton Lung APRIL 24, 2012
Accepted by: Clayton Lung, Project Manager
Comanco Environmental Corporation Date

Scott Herring 4/26/12
Approved by: Scott Herring, Director of Public Works
Nassau County, Florida Date

Charlotte Young 5/2/12
Approved by: Charlotte Young, Contracts Administrator
Nassau County, Florida Date

MRC



April 13th, 2012

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

RE: WEST NASSAU LANDFILL CLOSURE I - Allowance Request #13 – Culvert Installation

We have broken out the cost to install the culvert pipes at the East crossing and the South East crossing into the following activities:

- 1) Prep for culvert installation
- 2) Bedding Aggregate & Geotextile
- 3) 36" CPP Culvert Installation
- 4) Backfill/Grading
- 5) Supply & Install concrete bags for Headwalls

Below is a breakdown for each activity in regards to the East crossing:

1) PREP FOR CULVERT INSTALLATION

COMANCO will have to cut the existing ditches to the proper grade and slopes per the drawings provided. This will take approximately 5 crew hours and require the following:

EQUIPMENT: one 330 excavator;
LABOR: one operator.

The total costs for this activity are as follows: EQUIPMENT - \$664.05 and LABOR - \$200.95 for a total cost of **\$865.00**

2) BEDDING AGGREGATE & GEOTEXTILE

In order to install the 52' wrapped gravel bedding (6" thick), COMANCO will have to supply and install approximately 8 CY (roughly 16 tons) of gravel. We are proposing to use the 8 oz/sy geotextile already on-site eliminating a material cost for this material. This activity will take approximately 4 crew hours and require the following:

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MATERIAL: see attached quote (Exhibit A) from Conrad Yelvington which reflects the price we are currently paying for gravel material.

EQUIPMENT: one 330 excavator, one 644 loader;

LABOR: two operators, three laborers

The total costs are as follows: MATERIAL - \$680.80, EQUIPMENT - \$1,036.54 and LABOR - 844.18 for a total cost of **\$2,561.52**

3) 36" CPP CULVERT INSTALLATION

COMANCO will install the two 52' CPP's that is to be provided by Nassau County (it is assumed couplers are to be provided too). This activity will take approximately 4 crew hours and require the following:

EQUIPMENT: one 330 excavator;

LABOR: one operator, two laborers.

The total costs for this activity are as follows: EQUIPMENT - \$495.15 and LABOR - \$321.25 for a total cost of **\$816.40**

4) BACKFILL / GRADING

There is approximately 404 CY's of required compacted fill for the road crossing. COMANCO intends on using the same material as the leveling layer/protective cover here. Throughout the duration of this project, we have been achieving roughly 70% of our imported soils once installed and compacted. This will require an ordered quantity of 577 CY. Once import soil is on-site and in place, it will need to be compacted and graded. This activity will take an estimated 6 crew hours and require the following:

MATERIAL: see attached invoice (Exhibit B) from K.T. Carter which reflects the price we are currently paying for imported leveling layer/protective cover.

EQUIPMENT: one 330 excavator, one 644 loader, one 700 dozer, one roller, one walk-behind compactor;

LABOR: three operators, two laborers

The total costs are as follows: MATERIAL - \$4,054.29, EQUIPMENT - \$3,611.66 and LABOR - \$1,266.49 for a total cost of **\$8,932.44**.

TOTAL COST OF \$8,932.44 / 404 CY = **\$22.11 / CY**



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5) Supply and Install Concrete Bags for Headwalls

COMANCO will build headwalls at each end of the culvert. The headwalls will be approximately 14' x 5' requiring roughly 120 concrete bags (20" x 5") at each side for a total of 240 bags. Each bag will require a 15" piece of rebar (240 sticks) to be driven through it. This activity will take an estimated 12 crew hours and require the following:

MATERIAL: see attached quote (Exhibit C) from White Cap which reflects the delivered price for the concrete bags;

EQUIPMENT: one 644 loader;

LABOR: one operator, three laborers

The total costs are as follows: MATERIAL - \$1,745.35, EQUIPMENT - \$1,137.66 and LABOR - \$1,549.80 for a total cost of **\$4,432.81**

TOTAL COST FOR EAST CULVERT CROSSING: \$17,608.17

Below is a breakdown for each activity in regards to the **South East** crossing:

1) PREP FOR CULVERT INSTALLATION

COMANCO will have to cut the existing ditches to the proper grade and slopes per the drawings provided. This will take approximately 5 crew hours and require the following:

EQUIPMENT: one 330 excavator;

LABOR: one operator.

The total costs for this activity are as follows: EQUIPMENT - \$664.05 and LABOR - \$200.95 for a total cost of **\$865.00**

2) BEDDING AGGREGATE & GEOTEXTILE

In order to install the 45' wrapped gravel bedding (6" thick), COMANCO will have to supply and install approximately 7 CY (roughly 14 tons) of gravel. We are proposing to use the 8 oz/sy geotextile already on-site eliminating a material cost for this material. This activity will take approximately 3.5 crew hours and require the following:

MATERIAL: see attached quote (Exhibit A) from Conrad Yelvington which reflects the price we are currently paying for gravel material.

EQUIPMENT: one 330 excavator, one 644 loader;

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LABOR: two operators, three laborers

The total costs are as follows: MATERIAL - \$595.70, EQUIPMENT - \$886.33 and LABOR - \$734.67 for a total cost of **\$2,216.70**

3) 36" CPP CULVERT INSTALLATION

COMANCO will install the two 45' CPP's that is to be provided by Nassau County (it is assumed CPP couplers will be provided too). This activity will take approximately 3 crew hours and require the following:

EQUIPMENT: one 330 excavator;
LABOR: one operator, two laborers.

The total costs for this activity are as follows: EQUIPMENT - \$433.48 and LABOR - \$273.02 for a total cost of **\$706.50**

4) BACKFILL / GRADING

There is approximately 291 CY's of required compacted fill for the road crossing. COMANCO intends on using the same material as the leveling layer/protective cover here. Throughout the duration of this project, we have been achieving roughly 70% of our imported soils once installed and compacted. This will require an ordered quantity of 416 CY. Once import soil is on-site and in place, it will need to be compacted and graded. This activity will take an estimated 4.5 crew hours and require the following:

MATERIAL: see attached invoice (Exhibit B) from K.T. Carter which reflects the price we are currently paying for imported leveling layer/protective cover.
EQUIPMENT: one 330 excavator, one 644 loader, one 700 dozer, one roller, one walk-behind compactor;
LABOR: three operators, two laborers

The total costs are as follows: MATERIAL - \$2,923.02, EQUIPMENT - \$2,700.55 and LABOR - \$810.44 for a total cost of **\$6,434.01**.

TOTAL COST OF \$6,434.01 / 291 CY = **\$22.11 / CY**

5) Supply and Install Concrete Bags for Headwalls

COMANCO will build headwalls at each end of the culvert. The headwalls will be approximately 14' x 5' requiring roughly 120 concrete bags (20" x 5") at each side for a total of 240 bags. Each bag will

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require a 15" piece of rebar (240 sticks) to be driven through it. This activity will take an estimated 12 crew hours and require the following:

MATERIAL: see attached quote (Exhibit C) from White Cap which reflects the delivered price for the concrete bags;

EQUIPMENT: one 644 loader;

LABOR: one operator, three laborers

The total costs are as follows: MATERIAL - \$1,745.35, EQUIPMENT - \$1,137.66 and LABOR - \$1,549.80 for a total cost of **\$4,432.81**

COST FOR SOUTH EAST CULVERT CROSSING: \$14,655.02

TOTAL COST FOR EAST & SOUTH EAST CROSSING: \$32,263.19

EXHIBIT A



QUOTATION

Quote No Q0006081
Customer ID COMA100

BILL TO:	SHIP TO:
COMANCO ENVIRONMENTAL CORP 4301 STERLING COMMERCE DRIVE PLANT CITY, FL 33566	WEST NASSAU COUNTY LANDFILL HWY 301 NORTH CALLAHAN, FL

Notes

PAGE 1

F.O.D. POINT		SHIP VIA	ORDERED BY	
Destination		COMMON CARRIER	SCOTTY MARTONE	
QUOTE DATE	TERMS	SALES PERSON	EXPIRATION DATE	
3/18/2011	NET 30 DAYS	STEVEN SMITH	4/30/2011	
PART NUMBER	QUANTITY	UNITS	UNIT PRICE	EXTENDED PRICE
GRAN-GA-08130	250.000	TON	32.000	8,000.00

#57 GRANITE CD 10 GA-383

Notes: ADD AN ADDITIONAL \$5.00/TON FOR DELIVERY (FREIGHT PRICING IS SUBJECT TO CHANGE)

EAST CROSSING

16 TONS @ \$37/TON = \$592 x 1.15 (15% MARK-UP) = \$680.80

SOUTH EAST CROSSING

14 TONS @ \$37/TON = \$518 x 1.15 (15% MARK-UP) = \$595.70

Merchandise Total	8,000.00
Shipping & Handling	
Total Misc Charges	0.00
Sales Tax	580.00
TOTAL	8,580.00

EXHIBIT B



K T Carter Contracting, Inc.
 1909 East Beaver Street
 Jacksonville, FL 32202
 Tel. 904-364-9999

Invoice No. CEC0319A

INVOICE

Customer		Date 3/19/2012
Name Comanco Environmental Corp.	Address 4301 Sterling Commerce Drive	Order No. # 7827
City Plant City	State FL	ZIP 33588
		Rep

Qty	Description	Unit Price	TOTAL
8	WEST NASSAU LF CLOSURE--QUIAL ROAD PIT 16532, 16528, 16531, 16528, 16530, 16527, 16526, 16525	\$110.00	\$880.00
<i>EAST :</i>		<i>(15% MARK-UP)</i>	
<i>\$110/TRUCK x 18 CY/TRUCK ≈ \$6.11/CY x 577 CY = \$3,515.47 x 1.15 = \$4,054.29</i>			
<i>SOUTH EAST :</i>		<i>(15% MARK-UP)</i>	
<i>\$110/TRUCK x 18 CY/TRUCK ≈ \$6.11/CY x 416 CY = \$2,541.76 x 1.15 = \$2,923.02</i>			

Payment Details

Cash
 Check
 Credit Card

Name _____
 CC # _____
 Expires _____

SubTotal	\$880.00
Shipping & Handling	
Taxes State	
TOTAL	\$880.00

Office Use Only

Insert Fine Print Here

Insert Farewell Statement Here

EXHIBIT C

ON ACCOUNT
 WHITE CAP #234
 5409-100 BROADWAY AVENUE
 (904) 388-2926
 JACKSONVILLE, FL 32254-2

ESTIMATE

SOLD TO: 65709000
 COMANCO ENVIRONMENTAL
 CORP
 4301 STERLING COMMERCE D
 PLANT CITY

FL 33566

SHIP TO: COMANCO ENVIRONMENTAL
 YARD/COMANCO
 ENVIRONMENTAL CORP
 4301 STERLING COMMERCE D
 PLANT CITY FL 33566
 JOB#

1:50PM rmart234

** REFAX **

813-988-8829

ORDER NO 234076652 ORDER DATE 4/10/12 JOB NO.--CUSTOMER--P.O.NO. 65709999 RIP RAP ESTIMATE SLSMN 234 RMART 6833

TERMS NET 30DAYS SHIP VIA/ROUTING 2:TRUCK DELIVERY DATE REQUESTED 4/10/12 SHIPPED LOC 234 RMART TAKEN BY

LN	PART NUMBER	QTY ORD	QTY SHP	QTY BKO	PRICE	U/M	AMOUNT
BIN	H/M DESCRIPTION			ORD UNITS		DISC%	
10	433113480	480	BAG 480	0	5.21	BAG	2,500.80
	H0704 80LB DOT RIP RAP				E		
	H0902 H1103						
	PRICE OF MATERIAL DELIVER TO CALLAHAN FLORIDA.						

20	+SP15"#3REB	480	EA 480	0	.70		336.00
	15" #3 REBAR STRAIGHT				E		

SUBTOTAL 2,836.80
 TAX 198.58
 SHIPPED AMOUNT 3,035.38

SHIPPED WEIGHT 38400.00

ALL QUOTES VALID FOR 15 DAYS FROM ESTIMATE DATE UNLESS WHITE CAP RECEIVES A PRICE INCREASE FROM THE MANUFACTURERS. PLEASE CHECK WITH YOUR SALES REP WITH ANY QUESTIONS.

 *NO RETURNS OR REFUNDS ON SPECIALS *

(15% Max. Up)
 $3035.38 \times 1.15 = 3,490.69$
 $\rightarrow 3,490.69 / 2 = 1,745.35$

EAST CROSSING = \$1,745.35
 SOUTHEAST CROSSING = \$1,745.35

> MATERIAL COST



RIP RAP

PRODUCT NOS. 1129-60, -61, -62 & -80; 1134-80

PRODUCT DESCRIPTION

QUIKRETE® Rip Rap is a commercial grade blend of graded sand and Portland cement, packaged in scrim-reinforced, biodegradable paper bags for erosion control applications.

PRODUCT USE

QUIKRETE® Rip Rap construction is suitable for:

- Slopes & Embankments
- Bulkheads
- River Banks
- Anchoring Underwater Cables
- Canals
- Revetment
- Lake Fronts
- Dams
- Sea Walls
- Culverts

QUIKRETE® Rip Rap benefits include:

- Free form construction technique allows for elimination of forming and finishing procedures
- Attractive finished wall appearance
- Ideal for remote inaccessible locations
- No mixing equipment required

SIZES

- QUIKRETE® Rip Rap
 - 80 lb (36.3 kg) Paper bags (#1129-80)
 - 60 lb (27.2 kg) Paper bags (#1129-60)
 - 60 lb (27.2 kg) Burlap bags (#1129-61)
 - 60 lb (27.2 kg) Poly bags (#1129-62)
 - 80 lb (36.3 kg) Scrim bags (#1134-80)
- 80 lb (36.3 kg) bag dimensions (filled): 20" long x 17" wide x 5" high (approximately). A 2-foot vertical by 10-foot wide wall is roughly 5 bags high by 6 bags wide.

INSTALLATION

1. Outline the area to be excavated. Remove all grass, roots and other organic matter. Dig to a depth of 6" and bring the base of the trench to a uniform grade.
2. Place the first tier of bags end-to-end. Stack succeeding tiers in an interlocking fashion or running bond pattern.
3. Thoroughly soak and tamp each layer of bags. Perforating the bags with a pitchfork or metal rake will speed saturation and initial set.
4. To increase the strength of the wall, 3/8" steel rebar "staples" or straight rebar can be driven into the bags.

DIVISION 02

Erosion Control
02 37 0



Slope and Embankment Erosion Control:

When using QUIKRETE® Rip Rap on a slope, bags should be placed in a stair-step fashion, setting back succeeding rows to the full height of the slope at a minimum of 45° from vertical. Place bags in a running bond pattern with ends butted together and corners interlocking. Anchor each bag to the slope with 3/8" rebar and back fill with dirt to assure a solid bank. The use of geo-grid fabric will improve the stability of the installation.

PRECAUTIONS

QUIKRETE® Rip Rap is not intended for un-reinforced vertical walls higher than 2 feet, vertical walls can be extended to 10 feet and higher with proper engineering design. Installations over 2 feet typically require metal stakes to secure the first layer to the ground, metal staples and horizontal metal ties into the vertical soil mass. Not intended for use for building foundations, structural or free-standing walls.

WARRANTY

The QUIKRETE® Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of its product (as purchased) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The QUIKRETE® Companies in writing. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

The QUIKRETE® Companies
One Securities Centre
3490 Piedmont Rd., NE, Suite 1300, Atlanta, GA 30305
(404) 634-9100 • Fax: (404) 642-1425

* Refer to www.quikrete.com for the most current technical data, MSDS, and guide specifications

NASSAU COUNTY CONTRACT MANAGEMENT

CONTRACTOR: COMANCO Environmental Corporation
 PROJECT: West Nassau Landfill - Final Closure
 CONTRACT NO.: CM1734

Report Print Date: 5/4/2012

CHANGE ORDER /ALLOWANCE AUTHORIZATION TRACKING SHEET

CO#	AA#	Date	Purpose	Change Order Amount	Supplemental Work Authorization	Contract Time (Days)		Approval Date	Approval By
						Substan.	Final		
1			Quantity adjustment - Line Item #15 Gas Extraction Wells	-\$8,460.00					
	02	10/25/11	Provide topographic surveying services along the perimeter of the limits of construction		\$3,450.00	0	0	11/4/2011	SH
	03	11/14/11	Additional cost for the underdrain system		\$17,831.33	0	0	11/27/2011	SH
	03-B	11/15/12	Additional materials 40-mil UltraFlex Liner		\$6,511.67	0	0	11/27/2011	SH
	01	12/20/11	Additional gas collection and control valves; valve stem extensions		\$8,017.80	0	0	12/28/2012	SH
	04	12/20/11	Furnish 90' of 12" pipe and 40 Femco fittings		\$2,560.50	0	0	12/28/2011	SH
	05	12/21/11	Rental of a 6" pump and hoses for leachate handling		\$3,757.12	0	0	12/28/2011	SH
	06	12/21/11	Cuts and fills required to field fit the grading for the liner tie-in at the southwest corner of the closure construction limits		\$9,676.25	0	0	12/28/2011	SH
	07	03/01/12	Cuts and fills required to supply and install a 1" airline in lieu of relocating existing airline		\$6,625.00	0	0	3/13/2012	SH
	08	03/14/12	Additional surveying work for out of scope features		\$14,340.50	0	0	3/16/2012	SH
	09	03/15/12	Additional anchor trench required for northern and eastern tie-in		\$8,145.00	0	0	3/16/2012	SH
	10	03/15/12	Excavation work to access pre-existing smooth liner along northern tie-in		\$49,918.68	0	0	3/16/2012	SH
	11	03/15/12	Removal & disposal of pre-existing smooth liner along northern tie-in		\$18,982.60	0	0	3/16/2012	SH
	12	03/15/12	Install one Air System Isolation		\$2,500.00	0	0	3/16/2012	SH
	13	04/13/12	East and southeast culvert installation		\$32,263.19	0	0	4/16/2012	SH
SUBTOTAL- Processed COPs				-\$8,460.00	\$184,579.64	0	0		
PENDING:									
SUBTOTAL- Pending COPs				\$0.00	\$0.00	0	0		
TOTAL CHANGE ORDERS				-\$8,460.00	\$184,579.64	0	0		

Original Contract Value	\$4,924,873.89	Allowance (Line Item #4)	\$600,000.00
Change Order(s)	-\$8,460.00	Allowance Authorizations Approved	\$184,579.64
Total Contract Value	\$4,916,413.89	Remaining Supplemental Work Authorization Available:	\$415,420.36
		Pending Allowance Authorizations:	\$0.00

Date of Notice to Proceed:	7/11/2011		
Contract Dates/Terms:	Contract Dates	Extension	Final Dates
Substantial Completion:	548 01/09/13	0	01/09/13
Final Completion:	45 02/23/13	0	02/23/13

Balance Available: \$415,420.36