

**Golder Associates Inc.**

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**VIA FACSIMILE AND U.S. MAIL**

May 15, 2000

993-3928.19

Nassau County Board of County Commissioners  
P.O. Box 1010  
3163 Bailey Road  
Fernandina Beach, Florida 32035

Attention: Mr. Walter D. Gossett  
County Coordinator



00 MAY 19 PM 12:31

COMMUNICATIONS

RE: COST PROPOSAL FOR MODIFY PERMIT DRAWINGS  
FOR SUBGRADE OF CELLS 7, 9, 11, AND 13 (PHASE IV CONSTRUCTION)  
WEST NASSAU CLASS I LANDFILL, CALLAHAN, FLORIDA

Dear Mr. Gossett:

Golder Associates Inc. (Golder) is pleased to submit to the Board of County Commissioners (Board) this cost proposal to modify the permit drawings associated with the subgrade of Cells 7, 9, 11, and 13 of the West Nassau Class I Landfill in Callahan, Florida. These permit drawings were submitted to the Florida Department of Environmental Protection (FDEP) in December 1999 as part of the Application for Renewal of the Class I Permit.

**BACKGROUND**

The reason for this proposed modification is that a survey performed by Holland & Basset Surveyors, Inc. (H&B) in April 2000 indicates that the existing subgrade contours on the bottom of Cells 7, 9, 11, and 13 are approximately 0.7 to 0.9 feet lower than the permitted grades shown on Permit Drawing No. 5 (Cells 7, 9, 11, and 13 Subgrade/Top of Liner Plan). R.B. Baker Construction, Inc. (RBBC) completed the excavation of the subgrade for Cells 7, 9, 11, and 13 in December 1998, after which time RBBC demobilized from the site. Golder understands that the as-built survey drawing of the subgrade was not checked against the subgrade grading plan, Construction Drawing No. 10 (Phase III Excavation Grading Plan), prepared by HMA Environmental Services, Inc. (HMA), February 1997, before RBBC demobilized from the site.

The existing subgrade soil consists of a relatively hard-packed silty sand, which provides an adequate subbase for the geosynthetic liner system components. To meet the permitted subgrade contours shown on Permit Drawing No. 5 (Cells 7, 9, 11, and 13 Subgrade/Top of Liner Plan), Golder estimates that placement of approximately 6,000 cubic yards of fill soil would be required over the bottom of Cells 7, 9, 11, and 13. The available source of fill is a

**APPROVED**

DATE 5/22/00 JKB

stockpile located southwest of the landfill, which consists of variable soils ranging from clayey sands, silty sand, and broken limestone marl. These soils may not provide an adequate subbase for the geosynthetic liner system due to presence of large angular particles. In addition, the estimated cost for placement of this quantity of fill soil would range from \$18,000 to \$24,000, based on an assumed unit cost of \$3.00 to \$4.00 per cubic yard. Another factor to consider in modifying the proposed subgrade contours to match close to the existing grade is the additional landfill airspace that would be gained by the County. Based on an estimated revenue of \$13.60 per cubic yard (see letter on alternate liner system evaluation from S2L, Incorporated (S2Li), dated March 25, 1999), the County could gain an additional \$80,000 in revenue from the 6,000 cubic yard gain in airspace.

Golder discussed the proposed modification to the subgrade contours with Ms. Mary Nogas of the FDEP on May 12, 2000. Ms. Nogas indicated that the draft permit and notice of intent to issue the new Class I permit will likely not be issued until mid-June 2000, which provides time to revise the subgrade contours without submitting a permit modification request. Ms. Nogas suggested that the revised drawings be submitted to the FDEP as soon as possible, to give the FDEP time to incorporate the drawings into the permit.

### **SCOPE OF SERVICES**

Golder proposes to add new Task 6 to the existing project to prepare the construction drawings for Phase IV and the Environmental Resources Permit (ERP). Task 6 will consist revision of the following permit drawings:

- Drawing No. 5 - Subgrade/Top of Liner Plan - lower landfill bottom (floor) contours by approximately 0.8 feet.
- Drawing No. 6 -Top of Leachate Collection System Plan - lower landfill bottom (floor) contours by approximately 0.8 feet.
- Drawing No. 13 - Cross-Sections and Details - revise landfill cross sections to lower landfill bottom (floor) contours by approximately 0.8 feet.

### **SCHEDULE**

Golder proposes to complete the revised permit drawings within one week or less from the date of the notice to proceed from the County. Due to time critical nature of completing this work prior to issuance of the Class I Permit by the FDEP, and to be able to incorporate these revised contours into the construction drawings and issue these drawings to RBBC within the next two weeks, Golder will need notice to proceed from the County as soon as possible. Otherwise, the intended start date of mid-July for Phase IV construction may be delayed.

### **COST ESTIMATE AND TERMS AND CONDITIONS**

Golder's cost estimate to perform the scope of services described above is \$1,898. A breakdown of this cost estimate is presented in Table 1, which is attached to this letter. Golder proposes to perform this work on a cost reimbursable not-to-exceed basis in accordance with the labor and unit rates listed in Table 1. The County will only be billed actual hours and

expenses incurred on the project for work within the agreed scope of work. Direct expenses will be marked up 10 percent for administrative purposes. Photocopies, computer and AutoCAD time will be billed at the unit rates listed in Table 1. Travel and communications costs will not be billed to Nassau County as stated in our August 1998 proposal. The cost estimate will not be exceeded without prior authorization from Nassau County.

#### 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 engineering services to Nassau County. If you have any questions regarding this proposal, please do not hesitate to call.

Very truly yours,

GOLDER ASSOCIATES INC.



Francis T. Adams, P.E.  
Senior Project Manager

Attachment

cc: Mr. Robert McIntyre, Nassau County Solid Waste Director  
Mr. Omar E. Smith, P.E., S2Li

FN: G:\PROJECTS\993-3928\EXT19\BUDGET\3928-196.doc

**TABLE 1**

**Cost Estimate for New Task 6  
Preparation of Revised Permit Drawings  
to Modify Subgrade Contours  
West Nassau Class I Landfill  
Callahan, Nassau County, Florida**

LABOR		LABOR CATEGORY AND RATE										TOTAL HOURS	SUBTOTAL LABOR
		Principal \$130	Associate \$110	Senior Proj. Mgr. \$105	Senior Engineer \$95	Project Engineer \$75	Staff Engineer I \$60	Staff Engineer II \$55	Drafting \$45	Technician \$40	Clerical \$40		
TASK	DESCRIPTION												
6	Modify Permit Drawings	0	0	4	0	8	0	0	12	0	2	26	\$1,640
	<b>TOTALS:</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>2</b>	<b>26</b>	<b>\$1,640</b>

EXPENSES		Field Vehicle (day) \$75	Per Diem (day) \$25	Communi- cations (est.)	Mileage (mile) \$0.33	Shipping/ Postage (est.)	Lab Testing (est.)	Office Computer (hr) \$10	AutoCAD Computer (hr) \$20	Photo- copying (each) \$0.15	Drawing Reproduction (est.)	Subcon- tractors (est.)	SUBTOTAL EXPENSES
TASK	DESCRIPTION												
6	Modify Permit Drawings	0	0	\$0	0	\$25	\$0	2	8	50	\$45	\$0	\$258
	<b>TOTALS:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$25</b>	<b>\$0</b>	<b>\$20</b>	<b>\$160</b>	<b>\$8</b>	<b>\$45</b>	<b>\$0</b>	<b>\$258</b>

COST SUMMARY				
TASK	DESCRIPTION	SUBTOTAL LABOR	SUBTOTAL EXPENSES	TASK TOTAL
6	Modify Permit Drawings	\$1,640	\$258	\$1,898
<b>TOTALS</b>		<b>\$1,640</b>	<b>\$258</b>	<b>\$1,898</b>

HP OfficeJet  
Personal Printer/Fax/Copier

Fax Log Report for  
J. M. Oxley, Jr. Clerk  
904 321 5795  
May-31-00 10:49 AM

Identification	Result	Pages	Type	Date	Time	Duration	Diagnostic
819043633445	OK	02	Sent	May-31	10:48A	00:00:46	002586030022



**J. M. "CHIP" OXLEY, JR.**  
Clerk of Circuit and County Courts  
Nassau County  
Post Office Box 456  
Fernandina Beach, Florida 32035-0456  
Phones: (904) 321-5700 (800) 958-3496  
Callahan-Hilliard (904) 879-1029



**FACSIMILE TRANSMITTAL SHEET**

DATE: 5-31-00 NUMBER OF PAGES (INCLUDING COVER) 2

TO: Wendy Karably

FAX NUMBER: \_\_\_\_\_

FROM: Joyce Bradley

IF THIS TRANSMISSION IS INCOMPLETE OR POORLY RECEIVED, PLEASE  
NOTIFY JONI AT (904) 321-5722.

OUR FAX NUMBER IS (904) 321-5795.

Wendy -  
Please execute Notice to Proceed  
and return fully executed to me -  
Thanks!

9:02:10 The Board considered proposals from Golder Associates, Inc. regarding landfill services. After much discussion, it was moved by Commissioner Howard, seconded by Commissioner Marshall, and unanimously carried to approve a proposal from Golder Associates, Inc. for assistance with obtaining a contract for sampling and analysis at the County landfills with a separate line for the reporting, also to allow for comparison, with funds to be expended from Account No. 70341534-531311 Professional Services.

9:26:49 Upon the request and recommendation of the Solid Waste Director, it was moved by Commissioner Howard, seconded by Commissioner Cooper, and unanimously carried to approve a proposal in the amount of \$19,185 for the preparation of FY 2000 closure and long term care cost estimates for the West Nassau, Bryceville, and Lofton Creek Landfills from Golder Associates, Inc., with funds to be expended from Account No. 70341534-531302.