

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

745



FROM: Waste Management Department

SUBMITTAL DATE:
May 17, 2004

SUBJECT: Second Amendment to the Consultant Agreement with GeoSyntec Consultants for additional Professional Services at the Lamb Canyon Sanitary Landfill

RECOMMENDED MOTION: That the Board approve the Second Amendment to the Consultant Agreement with GeoSyntec Consultants and authorize the Chairman to execute the agreement on behalf of the Department and authorize the General Manager-Chief Engineer to approve future unforeseen amendments to the agreement not to exceed ten percent (10%, \$3,650) of the initial cost.

BACKGROUND: On September 10, 2002, the Board approved and executed a Consultant Agreement between the Department and GeoSyntec Consultants for alternative cover design assistance for the Edom Hill and Mecca II landfills for \$36,500.

On May 6, 2003 the Board approved the First Amendment to the Consultant Agreement with GeoSyntec Consultants for additional professional services required at the Lamb Canyon and Badlands landfills, these services included the following:

Lamb Canyon Landfill - an emergency geologic and geotechnical evaluation due to landslide; stability analyses for lateral expansion; and alternative final cover design. (cont'd)

Hans W. Kernkamp, General Manager - Chief Engineer

FINANCIAL DATA	Current F.Y. Total Cost:	\$ 28,810.00	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	No
	Annual Net County Cost:	\$ 0	For Fiscal Year:	2004

SOURCE OF FUNDS: Waste Management Department Enterprise Funds - Disposal Fees	Positions To Be Deleted Per A-30	<input type="checkbox"/>
	Requires 4/5 Vote	<input checked="" type="checkbox"/>

C.E.O. RECOMMENDATION: **APPROVE**

County Executive Office Signature

- Dep't Recomm.: Consent Policy
- Per Exec. Ofc.: Consent Policy

Prev. Agn. Ref.: 12.4 (9/10/02) & 12.1 (5/6/03) | **District:** 5 | **Agenda Number:**

12.1

MAY 19 2004
BY
COUNTY COUNSEL

Departmental Concurrence

COUNTY OF RIVERSIDE
OFFICE OF THE CLERK OF THE BOARD
EXECUTIVE

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Badlands Landfill - construction quality assurance (CQA), design recommendations for the liner system under construction at the time, and quality assurance and quality control (QA/QC) work in order to comply with a Cease and Desist order issued by the Regional Water Quality Control Board requiring replacement of protective cover soil layer over existing liner system.

The costs for these additional services under the first amendment increased the total cost for the consultant agreement from \$36,500 to \$150,652.

Subsequent to the execution of the first amendment, the results of the initial stability analyses for the lateral expansion at the Lamb Canyon landfill revealed a few locations with unstable design slopes, mostly due to the existing geologic conditions within the expansion area. This condition led to an initial set of recommendations by GeoSyntec that would have altered the design of the expansion and reduced the air space, hence the disposal capacity, appreciably. Consequently, GeoSyntec proposed to the Department to undertake additional studies to increase the level of understanding of the geology within the expansion area. These additional studies included field work, laboratory testing and additional administrative evaluations, analyses, and reporting. These additional efforts have resulted in achieving a stable, yet economical landfill configuration with a minimum alteration to the original grading plan. The cost for this additional work amounted to \$21,210.

In addition, in planning for the construction of this lateral expansion project, the Department would like to evaluate the stability of the proposed interim refuse fill plan using an alternative base liner system that incorporates the on-site clay materials. The primary objectives of this additional evaluation are to maximize the interim disposal capacity, and to reduce construction costs. GeoSyntec is familiar with the expansion project and able to perform the necessary work immediately. The estimated cost for the additional stability analysis and finalization of the engineering reports is \$7,600. This will bring the total cost of the second amendment to \$28,810, and the total cost for the consultant agreement to \$179,462. The staff believes that the additional work is necessary and the total additional costs are reasonable and responsive to our need.

The following summarizes work and costs performed and proposed by GeoSyntec Consultants for the County landfill sites:

	Landfill Site	Project Description	Estimated Cost
Original Agreement	Mecca II	Alternative Cover Design	\$16,500
	Edom Hill	Alternative Cover Design	\$20,000
Subtotal			\$36,500
Amendment No. 1	Lamb Canyon	Alternative Cover Design	\$25,000
	Lamb Canyon	Stability Analyses	\$19,900
	Lamb Canyon	Emergency Geological and Geotechnical Evaluation	\$8,989
	Badlands	Construction Quality Assurance	\$24,400
	Badlands	Quality Assurance/Quality Control	\$22,469
	Badlands	Design Recommendation Report	\$13,394
Subtotal			\$114,152
Amendment No. 2	Lamb Canyon	Additional Stability Analyses	\$21,210
	Lamb Canyon	Material Sampling/Testing, & Report Finalization	\$7,600
Subtotal			\$28,810
GRAND TOTAL			\$179,462

All work is budgeted in Fund 40200, Department ID – 4500100000.
Attachment