

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

694



FROM: Waste Management Department

SUBMITTAL DATE:
February 17, 2006

SUBJECT: The Earthwork Excavation and Grading Project at the Lamb Canyon Sanitary Landfill - Contract Change Order No. 3.

RECOMMENDED MOTION: That the Board of Supervisors approve Contract Change Order No. 3 to the contract for the Earthwork Excavation and Grading Project at the Lamb Canyon Sanitary Landfill, and authorize the Chairman to execute it.

BACKGROUND: On August 9, 2005, the Board awarded Road Builders, Inc. the contract to construct the Earthwork Excavation and Grading Project at the Lamb Canyon Sanitary Landfill. The main objective for this project was to perform the mass earthwork excavation in preparation for the construction of a Waste Recycle Park facility (Excavation Area A) and a lateral expansion project (Excavation Area B) at this site. On October 20, 2005, Change Order No. 1 was issued for \$23,500 under the General Manager-Chief Engineer's authority in accordance with the Contract Documents for an engineered fill buttress to increase landfill capacity. The original contracted excavation quantity in Excavation Area B was 1,250,000 cubic yards. This quantity was only an estimate based on the last available ground topography contours for the site at the time of releasing the bid documents for advertising. Subsequently, based on the updated pre-construction ground contours, Department engineering staff updated the contract quantity for Excavation Area B from 1,250,000 cubic yards to 1,561,762 cubic yards of material via a contract design modification and Contract Change Order No. 2 was subsequently approved by the Board on December 20, 2005. (Cont'd)

Departmental Concurrence

[Signature] for
Hans Kernkamp, General Manager-Chief Engineer

FORM APPROVED
COUNTY COUNSEL

FEB 17 2006

FINANCIAL DATA	Current F.Y. Total Cost:	\$ 533,750.00	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ N/A	Budget Adjustment:	No
	Annual Net County Cost:	\$ N/A	For Fiscal Year:	2006

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

O.E.O. RECOMMENDATION:

APPROVE

[Signature]

County Executive Office Signature

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

Prev. Agn. Ref.: 12.1 (6/14/05), 12.1 (8/9/05), 12.1 (12/20/05) | **District:** 5 | **Agenda Number:**

F11-The Earthwork Excavation and Grading Project at the Lamb Canyon Sanitary Landfill – Contract Change Order No. 3 to Increase Excavation Quantity in Excavation Area B, Screen and Stockpile Protective Cover Material, and Perform Landslide Repair Work.

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The Department is now recommending the excavation of an additional 275,000 cubic yards of material from Excavation Area B. This additional excavation quantity is intended to allow for establishing an alternate access road for use by the Contractor's excavation and grading operations which currently utilize the same road designated for landfill traffic. The proposed access road will improve traffic flow and traffic safety within the site. Furthermore, due to its location, this new access road will facilitate and accelerate the construction of the upcoming liner expansion project at Lamb Canyon landfill site.

The current contract unit price for material excavation from Area B (Bid Item #2) is \$2.46 per cubic yard; however, the Department has negotiated with the Contractor a reduced unit price of \$1.59 per cubic yards for the additional 275,000 cubic yards of material removed from excavation Area B. The Contractor has agreed to reduce the unit price for the additional excavation material since he intends to have most of this quantity transported off-site and the overhead costs for this operation are lower than stockpiling the material on-site. This increase in quantity at the reduced unit price will result in increasing the total amount of Bid Item No. 2 from \$3,841,934.52 to \$4,279,184.52.

The Contractor is also being requested in this change order to screen a portion of the excavated material under this contract in order to produce approximately 20,000 cubic yards of protective cover material that contains a maximum particle size of 1-inch. This protective cover material is needed for placement directly against the recently installed geosynthetic liner system at the Lamb Canyon landfill. This step is necessary in order to maintain compliance with the approved composite liner system by the regulatory agencies for the Lamb Canyon landfill site expansion.

A limited quantity of screened material was produced and stockpiled on-site under the last liner expansion project at Lamb Canyon which was completed in July 2005. This stockpile, however, has been depleted and more screened material will soon be needed to cover the remaining exposed portions of the lined area.

The Department owns a screening plant stationed at the Badlands landfill site. It has been determined that disassembling this screening plant at Badlands and moving it and reassembling it at Lamb Canyon will adversely impact landfill operations and other planned construction activities at both sites. Therefore, the Department recommends utilizing the Contractor who is currently working at the Lamb Canyon landfill to produce the needed quantity of screened material. Compensation for screening and stockpiling the requested 20,000 cubic yards of material will be based on a unit price of \$4.00 per cubic yard. This unit price is based on the competitive bid process for the last public works expansion contract at the Lamb Canyon landfill. The total cost for this work will amount to \$80,000. Department staff believes that this is the most cost-effective approach for producing protective cover material in a timely manner and to ensure uninterrupted landfill operations at the landfill sites.

Also included within this Contract Change Order (CCO No. 3) is the recent repair of the localized slope failure (landslide) which had occurred on a portion of the cut slopes in excavation Area A in early January 2006 due to rain. Immediately following this landslide incident, the Department requested that the geotechnical consultant who is currently on-site providing the Construction Quality Assurance (CQA) Services for the excavation project, Advanced Earth Sciences (AES), assess the landslide damage and develop a remedial repair plan. The Contractor was then requested by the Department to perform the recommended repairs in order to prevent further damage to the slope areas, correct a potentially unsafe condition, and maintain compliance with regulatory requirements.

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Compensation for this work was based on the lump sum price of \$16,500.00 which was submitted by the Contractor (quote attached with Change Order No. 3) and agreed upon by the Department. This lump sum price included full compensation to the Contractor for all labor, materials, equipment and any other costs related to this extra work. Department staff believes that these repair arrangements were cost effective since the Contractor was already on-site performing essentially similar type of work (i.e. earthwork excavation).

The total change order is in the amount of \$533,750.00 (\$437,250 for additional excavation, \$80,000 for screening protective cover material, and \$16,500 for landslide repair work). This will increase the total contract amount from \$4,553,742.52 to \$5,087,492.52.

Fifty (50) additional working days shall be added to the contract duration to allow for the execution of the additional excavation, screening protective cover material, and landslide repair work. This will result in a total project duration of 198 working days allowable for the completion of the project. All other terms and conditions of the original Contract Documents remain unchanged and apply to this work. The Department recommends approval of Contract Change Order No. 3.

Budget for this additional work will be provided from Fund 40200, Department ID – 4500100000

EC/FM:ec/fm
PD#41230-v1

Attachment: Contract Change Order No. 3