

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



FROM: Waste Management Department

SUBMITTAL DATE:
May 31, 2007

SUBJECT: The Construction of Liner System Phase 2, Stage 3 Expansion at the Lamb Canyon Sanitary Landfill - Contract Change Order No. 2

RECOMMENDED MOTION: That the Board of Supervisors approve Contract Change Order No. 2 (CCO No.2) to the contract for the Construction of Liner System for Phase 2, Stage 3 Expansion at the Lamb Canyon Sanitary Landfill, and authorize the Chairman to execute it.

BACKGROUND: On October 17, 2006, the Board awarded Road Builders, Inc. (Contractor) the contract to construct the Liner System for Phase 2, Stage 3 Expansion project at the Lamb Canyon Sanitary Landfill. The construction of this project has been progressing satisfactorily and is currently nearing completion. The Department has recently identified three extra items of work that are necessary to be implemented under this contract in order to maintain the project schedule as well as to comply with regulatory requirements. (Cont'd)




Hans W. Kernkamp, General Manager-Chief Engineer

JUN 01 2007
Neal Kipnis

FINANCIAL DATA

Current F.Y. Total Cost:	\$ 180,840.00	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:	2007 and 2008

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"/>

C.E.O. RECOMMENDATION: APPROVE
BY: 
Alex Gann

County Executive Office Signature

- Policy
- Policy
- Consent
- Consent

Dep't Recomm.:
Per Exec. Ofc.:

Prev. Agn. Ref.: 10/17/06 (12.1) | District: 5 | Agenda Number:
3/13/07 (12.3)

12.2

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These three extra work items are described as follow: 1) excavation of five inactive septic/grease ponds and relocation of sludge material into a lined portion of the landfill, 2) removal of rocky material from Menifee Landfill and hauling this material to Lamb Canyon Landfill for use as road base in the expansion project, and 3) installation of a Secondary Leachate Collection and Removal System (SLCRS) as a component of the new liner system.

In 2001, at the completion of installation of the first liner system at Lamb Canyon Landfill, two of seven existing septic ponds were excavated and disposed of within the lined area as requested by the Regional Water Quality Control Board (RWQCB). Due to the limited landfill space within the lined area at that time, the Department obtained approval from the RWQCB to defer the excavation and relocation (i.e. clean closure) of the remaining five inactive septic ponds until more lined landfill area at the site becomes available. Therefore, as the current 25-acre expansion project is approaching the final stage of construction, Department staff has determined that the most economical approach for relocating this material into a lined portion of the landfill is to include it, as extra work, under the current construction contract for the new liner system. Moreover, four of the remaining five ponds are located within the designated area for a future field office at this site; thus, clean closure of these septic ponds will allow the Department to initiate the necessary geological and geotechnical studies within this area.

The Department has negotiated the terms and conditions for performing this work with the Contractor under the contract-specified force account method of compensation for extra work. Based on these terms and conditions, and the method of measurements and compensations, it has been estimated that the total cost for performing this extra work would amount to \$155,000. This amount will be adjusted based on actual time and material spent at the completion of work on this item.

Also included as part of CCO No. 2 is the removal of rocky material from Menifee Landfill, where the Menifee Valley Flyers flight club leases the inactive site from the Department. Without the Department's knowledge or consent, the flight club imported approximately 2,400 cubic yards of rocky fill material to expand their runway area. The lease has expired and will not be renewed unless repayment terms for this item of work can be reached with the flight club. The Local Enforcement Agency (LEA) has issued a violation to the Department and has requested the material to be removed from the site. The current Lamb Canyon Phase 2, Stage 3 Liner Expansion Project requires the use of a similar type of rocky material to form the foundation for a planned paved access road. Therefore, Department staff is recommending that Road Builders remove this rocky material from the Menifee landfill and transport it to the Lamb Canyon Landfill under the current liner expansion contract.

Compensation for this work is based on the lump sum price of \$6,000, which was submitted by the Contractor (quote attached with CCO No.2) and agreed upon by the Department. This lump sum price will include full compensation for the Contractor for providing all labor, materials, equipment and any other costs related to the implementation of this portion of the extra work.

Form 11 - Contract Change Order No. 2 for the Construction of Liner System Phase 2, Stage 3
Expansion at the Lamb Canyon Sanitary Landfill

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CCO No. 2 also includes the installation of a secondary leachate collection removal system (SLCRS) as a component of the new liner system. The purpose of this system is to collect and convey condensation fluid observed during construction at the tie-in location of the new liner with the previous liner area. Field and laboratory investigation revealed that this liquid is being generated due to the extreme fluctuation of temperature in the space between the different geosynthetic liner layers. At the request of the RWQCB, the Department engineering staff, with the assistance of the QA/QC consultant for this project, have developed a remedial plan to collect and drain out this liquid and also to prevent future build-up of this liquid underneath the liner system. The RWQCB has already approved this remedial plan.

The Contractor has submitted a quote to perform this extra work for a unit price of \$15.50 per linear foot of the required HDPE pipe. Based on the estimated length of pipe of 1,280 linear feet, the total cost for this extra work will amount to \$19,840. Department engineering staff has determined that this cost is reasonable considering the amount of work involved.

The total change order is in the amount of \$180,840 (\$155,000 for clean closure of five inactive septic ponds, \$6,000 for relocating rocky material from Menifee landfill to Lamb Canyon landfill, and \$19,840 for the installation of a SLCRS). If approved, CCO No. 2 increases the total contract amount from \$12,786,104 to \$12,966,944. The Department recommends approval of CCO No. 2.

Budget for this additional work will be provided from Fund 40200, Department ID - 450010000

Attachment: Contract Change Order No. 2

FM/EC:fm/ec/jg
PD#54066v2