

458

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



**FROM:** Waste Management Department

**SUBMITTAL DATE:**  
June 1, 2009

**SUBJECT:** Construction of Perimeter Probes at the Edom Hill Sanitary Landfill and Landfill Gas Collection System Expansions for Fiscal Year 2009/2010 at the Badlands and Lamb Canyon Landfills

**RECOMMENDED MOTION:** That the Board:

1. Approve the Contract Documents for Construction of Perimeter Probes at the Edom Hill Sanitary Landfill and Landfill Gas Collection System Expansions for Fiscal Year 2009/2010 at the Badlands and Lamb Canyon Landfills; and
2. Authorize the General Manager-Chief Engineer to advertise for bids.

**BACKGROUND:** As part of the Waste Management Department's ongoing compliance with air quality regulations at the Badlands and Lamb Canyon Landfills, additional landfill gas wells and collection piping are needed as each site expands. This contract is structured to be an annual award, covering the landfill gas collection system expansion needs for the entire 09/10 Fiscal Year with multiple call outs (up to ten mobilization events during the year). This structure will allow staff to respond quickly and competitively to field conditions at our two major regional landfills. Time of completion for each call out will be specific and based upon a mobilization and scope of work formula for each item of work, as defined in the special provisions. In addition, the Department is required to maintain and monitor perimeter probes at all landfills. Several perimeter probes at the Edom Hill Landfill need to be drilled and installed to comply with local and state regulations. The Engineer's estimate for this project is \$292,680.

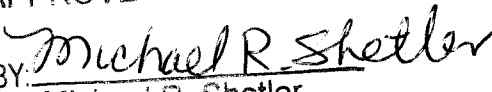
  
Hans Kernkamp, General Manager-Chief Engineer

<b>FINANCIAL DATA</b>	Current F.Y. Total Cost:	\$292,680	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$0	Budget Adjustment:	No
	Annual Net County Cost:	\$NA	For Fiscal Year:	FY2009/10

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

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

APPROVE

BY:   
Michael R. Shetler

**County Executive Office Signature**

FORM APPROVED COUNTY COUNSEL

BY:   
NEAL R. KIPNIS DATE

Departmental Concurrence

Consent  
 Policy  
 Consent  
 Policy

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

Prev. Agn. Ref.:

District: 4&5

Agenda Number:

ATTACHMENTS FILED  
WITH THE CLERK OF THE BOARD

12.3

Construction of Perimeter Probes at the Edom Hill Sanitary Landfill and Landfill Gas Collection System  
Expansion FY 09/10 at the Badlands & Lamb Canyon Landfills  
Engineer's Cost Estimate

ITEM NO.	ITEM OF WORK	UNIT	QUANTITY	UNIT COST	TOTAL COST
1.1	Mobilization for Horizontal Well Construction	LS	3	\$ 4,300.00	\$ 12,900.00
1.2	Mobilization for Vertical Well Construction	LS	2	\$ 6,000.00	\$ 12,000.00
1.3	Mobilization for Header and Lateral Pipe Install	LS	2	\$ 3,500.00	\$ 7,000.00
1.4	Mobilization for Relocating Header and Lateral Pipe	LS	2	\$ 3,500.00	\$ 7,000.00
1.5	Mobilization for Drilling and Installing Perimeter Probes	LS	1	\$ 3,500.00	\$ 3,500.00
2	Trenching & Earthwork	LF	8,500	\$ 7.29	\$ 61,965.00
3	Install Horizontal Well	LF	7,800	\$ 3.38	\$ 26,364.00
4	Install Aggregate Pit	LS	10	\$ 101.01	\$ 1,010.10
5	Drill and Install Vertical Gas Wells	LF	670	\$ 57.11	\$ 38,263.70
6	Install 2" HDPE Pipe	LF	200	\$ 1.21	\$ 242.00
7	Install 3" HDPE Lateral Pipe	LF	2,170	\$ 3.88	\$ 8,419.60
8	Install 6" HDPE Lateral Pipe	LF	1,660	\$ 5.24	\$ 8,698.40
9	Install 8" HDPE Header pipe	LF	1,600	\$ 6.19	\$ 9,904.00
10	Re-locate 2" HDPE pipe	LF	300	\$ 1.21	\$ 363.00
11	Re-locate 3" Lateral pipe	LF	100	\$ 3.68	\$ 368.00
12	Re-locate 6" Header pipe	LF	250	\$ 5.04	\$ 1,260.00
13	Re-locate 8" Header pipe	LF	1,200	\$ 5.99	\$ 7,188.00
14	Install or Re-locate Well Assembly	LS	20	\$ 100.00	\$ 2,000.00
15	Drill and Install Perimeter Probe	LF	525	\$ 100.00	\$ 52,500.00
16	Demobilization	LS	10	\$ 3,173.42	\$ 31,734.20
				<b>TOTAL COST</b>	<b>\$ 292,680.00</b>

CPI for LA/Riverside/OC no significant increase between Feb 08 and Feb 09, therefor no CPI % added to last years FY 08/09 costs  
221.431 versus 221.439