

FORM APPROVED COUNTY COUNSEL
 BY: GREGORY P. PRIAMOS
 DATE: 10/2/14

Departmental Concurrence

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

820



FROM: Riverside County Waste Management Department

SUBMITTAL DATE:
 September 24, 2014

SUBJECT: Construction of Landfill Gas Collection System Expansion and Probe Installation at the Badlands, Corona, Double Butte and Lamb Canyon Landfills July 2014, Districts 2/2, 3/3, 5/5 [\$1,234,021 – Waste Management Department Enterprise Funds]

RECOMMENDED MOTION: That the Board of Supervisors:

1. Accept the bid submitted by Tetra Tech BAS in the amount of \$1,234,021 for Construction of Landfill Gas Collection System Expansion and Probe Installation at the Badlands, Corona, Double Butte and Lamb Canyon Landfills July 2014; and
2. Authorize the Chairman to execute the Agreement on behalf of the Department.

BACKGROUND:

Summary

The Board authorized the Waste Management Department (Department) to advertise for bids on August 5, 2014. On September 4, 2014 the Department opened bids for Construction of Landfill Gas Collection System Expansion and Probe Installation at the Badlands, Corona, Double Butte and Lamb Canyon Landfills July 2014. The Department received four bids ranging from \$1,234,021 to \$1,846,664.

(continued)

[Signature]
 Hans Kernkamp
 General Manager-Chief Engineer

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (per Exec. Office)
COST	\$ 340,057	\$ 375,962	\$ 1,234,021	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0	

SOURCE OF FUNDS: Waste Management Department Enterprise Funds
 Budget Adjustment: No
 For Fiscal Year: 14/15-17/18

C.E.O. RECOMMENDATION: APPROVE
 BY: *[Signature]*
 Alex Gann
 County Executive Office Signature

MINUTES OF THE BOARD OF SUPERVISORS

- A-30
- Positions Added
- 4/5 Vote
- Change Order

Prev. Agn. Ref.: 08/05/14 (12.1) District: 2/2, 3/3, 5/5 Agenda Number:

COUNTY

12-1

**SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA
FORM 11 Construction of Landfill Gas System Expansion and Probe Installation at the Badlands,
Corona, Double Butte and Lamb Canyon Landfills July 2014, Districts 2/2, 3/3, 5/5 [\$1,234,021 –
Waste Management Department Enterprise Funds]**

DATE: September 24, 2014

PAGE: 2 of 2

BACKGROUND: (cont.)

The Engineer's estimate for this project is \$1,218,647. Tetra Tech BAS submitted the lowest bid of \$1,234,021. The Department has determined that Tetra Tech BAS has the necessary minimum experience and capability to perform this work in accordance with contract documents. County Counsel has determined that the bid documents are in order.

Consistent with past awards, the construction performed under this contract is structured as a three-year award with multiple call outs (up to 56 mobilization events through the duration of the contract). This allows staff to respond quickly to field conditions at our two major regional landfills, Badlands and Lamb Canyon. This contract also allows for additional work to be done at the closed Corona and Double Butte landfills. Each site will require additional vertical gas wells that will be attached to existing header pipes with new lateral pipes, ensuring that the department maintains environmental controls required by various local, state and federal regulations. 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. The Fiscal Year breakdown of Tetra Tech BAS bid for this project is as follows:

Fiscal Year	Tetra Tech BAS
FY 14/15	\$340,057
FY 15/16	\$375,962
FY 16/17	\$407,735
FY 17/18	\$110,267
Total	\$1,234,021

Impact on Citizens and Businesses

This contract ensures that landfill gas generated within the landfills will be collected and disposed of in the most cost effective manner and in compliance with environmental regulations.

SUPPLEMENTAL:

Contract History and Price Reasonableness

Tetra Tech BAS's bid was 1.26% higher than the Engineer's Estimate. The Engineer's Estimate was determined using the previous landfill gas collection system expansion contract costs with a November 2012 to July 2014 Consumer Price Index increase of 2.98% added. Department staff believes that the submitted bid amount is reasonable.

AGREEMENT

THIS AGREEMENT is made as of _____ and is between the COUNTY OF RIVERSIDE (County) and Tetra Tech BAS, Inc. (Contractor).

IT IS AGREED BY THE PARTIES AS FOLLOWS:

1. The Work. Contractor shall furnish all tools, equipment, apparatus, facilities, labor and material necessary to perform the work for the project, Construction of Landfill Gas Collection System Expansion and Probe Installation at the Badlands, Corona, Double Butte and Lamb Canyon Sanitary Landfills July 2014, in exact conformity with the Contract Documents, subject to such inspection as County deems appropriate.
2. Contract Documents. The Contract Documents for the project are:
 - (a) Notice to Contractors;
 - (b) Instructions To Bidders;
 - (c) Contractor's Proposal;
 - (d) Agreement;
 - (e) Bid Bond;
 - (f) Performance Bond;
 - (g) Payment Bond;
 - (h) General Provisions;
 - (i) Special Provisions;
 - (j) Appendix A – Project Drawings
 - (k) Appendix B – SCAQMD Permit to Operate (Digital Copy)
 - (l) Appendix C – Stormwater Pollution Prevention Plan (Digital Copy)
 - (m) Appendix D – Riverside County Hazardous Materials Business Emergency Plan (BEP) (Digital Copy)
 - (n) Appendix E – Riverside County Spill Prevention, Control, and Countermeasure (SPCC) Plans (Digital Copy)
 - (o) Standard Specifications for Public Works Construction, 1997 Edition, with Amendments;
 - (p) Any other documents included in or incorporated into the Contract Documents;
 - (q) Addenda Nos. 0 ;
 - (r) Orders, instructions, drawings and plans issued by County during the course of the work in accordance with the provisions of the Contract Documents.

Each of the above-mentioned documents presently in existence are by this reference incorporated into this Agreement and each of these documents not now in existence are incorporated herein as of the time of their issuance.

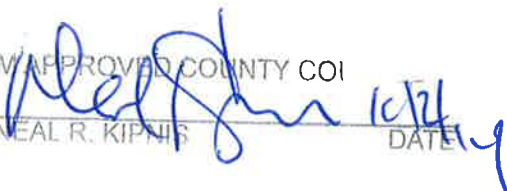
3. Contract Price - Payment. **Exhibit A** is attached to and incorporated into this Agreement and states the basis for full payment to Contractor. Contractor represents that it fully understands the payment method for the work.

RIVERSIDE COUNTY
WASTE MANAGEMENT DEPARTMENT
14310 Frederick Street
Moreno Valley, CA, 92553

By: 
Hans W. Kernkamp
General Manager - Chief Engineer

COUNTY OF RIVERSIDE

By: _____
Chairman, Board of Supervisors


FORM APPROVED COUNTY COI
BY: 
NEAL R. KIPNIS DATE: 10/24/14

ATTEST:

Kecia Harper-Ihem, Clerk of the Board

By: _____
Deputy
(Seal)

Tetra Tech BAS, Inc.
(Contractor)

By: 
Name: Jeffrey M. Williams

Title: Vice President

EXHIBIT A

(To Agreement for the Riverside County Waste Management Department Project, Construction of Landfill Gas Collection System Expansion and Probe Installation, at the Badlands, Corona, Double Butte and Lamb Canyon Sanitary Landfills July 2014, located in or near Moreno Valley, Corona, Winchester and Beaumont, respectively, Riverside County, California.)

It is understood that the quantities listed (except for those shown as "Final" or "Lump Sum") are but estimates only and final payment will be based on actual quantities whatever they may be, subject to such adjustments and alterations as elsewhere provided for in the Contract Documents.

ITEM NO.	ITEM OF WORK	UNIT	QUANTITY	UNIT COST	TOTAL COST
1.1	Mobilization for Horizontal Well Construction	EA	14	\$2,385.00	\$33,390.00
1.2	Mobilization for Vertical Well Construction	EA	11	\$5,151.70	\$56,668.70
1.3	Mobilization for Header and Lateral Pipe Install	EA	17	\$2,385.00	\$40,545.00
1.4	Mobilization for Relocating Header and Lateral Pipe	EA	8	\$2,385.00	\$19,080.00
1.5	Mobilization for Multi-level Probe Install	LF	6	\$4,800.00	\$28,800.00
2.	Trenching and Earthwork	LF	21,510	\$8.19	\$176,166.90
3.	Install Horizontal Well	LF	19,040	\$4.40	\$83,776.00
4.	Install Aggregate Pit	LS	32	\$314.70	\$10,070.40
5.	Drill and Install Vertical Gas Wells up to 120 Feet	LF	4,140	\$62.70	\$259,578.00
6.	Drill and Install Vertical Gas Wells From 121 Feet up to 180 Feet	LF	950	\$72.00	\$68,400.00
7.	Install 2" HDPE Pipe	LF	520	\$2.06	\$1,071.20
8.	Install 3" HDPE Lateral Pipe	LF	4,460	\$3.75	\$16,725.00
9.	Install 4" HDPE Lateral Pipe	LF	3,960	\$4.02	\$15,919.20
10.	Install 6" HDPE Lateral Pipe	LF	3,520	\$6.25	\$22,000
11.	Install 8" HDPE Header Pipe	LF	3,980	\$6.87	\$27,342.60
12.	Install 10" HDPE Header Pipe	LF	100	\$10.09	\$1,009.00
13.	Install 12" HDPE Header Pipe	LF	7,100	\$10.07	\$71,497.00
14.	Install 16" HDPE Header Pipe	LF	2,360	\$10.88	\$25,676.80
15.	Relocate 2" HDPE Pipe	LF	140	\$2.06	\$288.4
16.	Relocate 3" HDPE Lateral Pipe	LF	4,260	\$3.75	\$15,975.00
17.	Relocate 4" HDPE Lateral Pipe	LF	3,690	\$4.02	\$14,833.8
18.	Relocate 6" HDPE Header Pipe	LF	1,680	\$6.25	\$10,500.00
19.	Relocate 8" HDPE Header Pipe	LF	6,840	\$6.87	\$46,990.80
20.	Relocate 10" HDPE Header Pipe	LF	50	\$10.09	\$504.50
21.	Relocate 12" HDPE Header Pipe	LF	2,320	\$10.07	\$23,362.40
22.	Install or Relocate Well Monitoring Assembly	EA	78	\$75.00	\$5,850.00
23.	Drill Probe Boreholes Using Air Rotary Drill Rig	LF	800	\$81.85	\$65,000.00
24.	Install Multi-level Probe	LF	760	\$43.75	\$33,250.00
25.	Install Multi-level Probe Protector	EA	6	\$250.00	\$1,500
26.	Disposal of Refuse from Corona and Double Butte Landfills	TON	50	\$45.00	\$2,250.00
27.	Demobilization	EA	56	\$1,000.00	\$56,000.00
				TOTAL \$	\$1,234,020.70