

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

627



FROM: Waste Management Department

SUBMITTAL DATE:
May 9, 2013

SUBJECT: Contract Award for the Construction of a Liner System within the Canyon 4, Phase 3 area at the Badlands Sanitary Landfill

RECOMMENDED MOTION: That the Board of Supervisors:

1. Accept the bid submitted by DA McCosker Construction Co. D.B.A. Independent Construction Company and award them the contract in the amount of \$7,378,441.85 for the construction of a Liner System known as Canyon 4, Phase 3 Expansion at the Badlands Sanitary Landfill; and
2. Authorize the Chairman to execute the Agreement on behalf of the Department.

BACKGROUND: On March 12, 2013, the Board approved the contract documents for the Construction of a Liner System within the Canyon 4, Phase 3 area at the Badlands Sanitary Landfill and authorized the Department to advertise for bids. On April 30, 2013, a total of five (5) bids were received, with DA McCosker Construction D.B.A. Independent Construction Company submitting the lowest responsible bid in the amount of \$7,378,441.85. The engineer's estimate for this project was \$8,875,000. (continued)


Hans W. Kernkamp, General Manager-Chief Engineer

FINANCIAL DATA	Current F.Y. Total Cost:	\$7,378,441.85	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:	12/13

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

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

County Executive Office Signature

Dept Recomm.: Consent Policy
Per Exec. Ofc.: Consent Policy

Departmental Concurrence

Prev. Agn. Ref.: 3/12/2013 (12.3) | District: 5 | Agenda Number:

ATTACHMENTS FILED
WITH THE CLERK OF THE BOARD

FORM APPROVED COUNTY COUNSEL
BY:  MARSHAL VICTOR
DATE: 5/8/13

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Department staff has reviewed the submitted bids and determined that DA McCosker Construction Co. D.B.A. Independent Construction Company has the necessary experience and capability to construct the project, and County Counsel has determined that the bid documents are in order. A summary of the bids, along with the Contract Agreement between the County and Independent Construction, are attached herewith.

This project is budgeted in Fund 40200, Department ID - 4500100000.

PD#134003

Badlands Sanitary Landfill

Construction of the Canyon 4 Phase 3 Liner Expansion

Bid Summary of bids received on April 30, 2013

	Contractor	Bid Amount
1	Independent	\$ 7,378,441.85
2	Papich	\$ 7,754,702.50
3	Road Builders	\$ 7,892,320.25
4	Sukut	\$ 8,377,570.53
5	Zusser	\$ 8,690,698.21

AGREEMENT

THIS AGREEMENT is made as of May 21, 2013 and is between the COUNTY OF RIVERSIDE (County) and DA McCosker Construction Co. D.B.A. Independent Construction Company (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 the Canyon 4 Phase 3 Liner Expansion at the Badlands Sanitary Landfill 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) QA/QC Plan;
 - (k) Appendix A – SCAQMD Form 403-N & Rule 1150 Excavation Permit Standard Conditions;
 - (l) Appendix B – BMP Installation Details from the CASQA Stormwater BMP Handbook;
 - (m) Appendix C – C4P3 Approximate Demolition Quantities;
 - (n) Appendix D – Stability Evaluation Badlands Sanitary Landfill, Canyon 4, Phase 3, Riverside County, California letter submitted by Geosyntec Consultants dated January 5, 2012;
 - (o) Appendix E – Hydraulic Conductivity Testing Program Results dated October 12, 2010;
 - (p) Appendix F – QED Environmental Systems Slider Pump and Accessories;
 - (q) Project Drawings;
 - (r) Any other documents included in or incorporated into the Contract Documents or in the County's bid package;
 - (s) Addenda Nos. 1 and 2.

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.

BCP.

3. Contract Price - Payment. **Exhibit A** is attached to and incorporated into this Agreement and states the basis for full payment for this project. 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

ATTEST:

By: _____
Kecia Harper-Ihem, Clerk of the Board

By: _____
Deputy

FORM APPROVED COUNTY COUNSEL
BY:  MARSHAL VICTOR
DATE: 5/9/13

(Seal)


Independent Construction Company
Contractor
By: 
Name: Brian McCosker
Title: President
(If corporation, attach corporate seal)

EXHIBIT A

(To Agreement for the Riverside County Waste Management Department Project, Canyon 4 Phase 3 Liner Expansion Project at the Badlands Sanitary Landfill, located in Moreno Valley, Riverside County, California.)

It is understood that the quantities listed (except for those shown as “Lump Sum, [L.S]”) 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	Sub-Total Cost
1	Construction Schedule Submittal	L.S.	1	\$20,000.00	\$20,000.00
2	Prepare and Implement NPDES SWPPP	L.S.	1	\$29,000.00	\$29,000.00
3	Mobilization and Demobilization	L.S.	1	\$414,500.00	\$414,500.00
4	Develop Water	L.S.	1	\$343,600.00	\$343,600.00
5	Demolition	L.S.	1	\$33,373.20	\$33,373.20
6	Crush and Pulverize Material	L.S.	1	\$27,320.20	\$27,320.20
7	Construct Concrete Drainage Structures	L.S.	1	\$370,401.15	\$370,401.15
8	Construct Western Stockpile Concrete Drainage Structures	L.S.	1	\$117,000.14	\$117,000.14
9	Construct Secondary Containment Concrete Structure	L.S.	1	\$130,725.00	\$130,725.00
10	Furnish and Install 12” thick grouted riprap lined V-ditch channels	S.F.	13,272	\$9.41	\$124,889.52
11	Furnish and Install 12” thick grouted riprap lined aprons	S.F.	1,216	\$9.30	\$11,308.80
12	Furnish and Install 42” diameter RCP Culvert	L.F.	470	\$169.79	\$79,801.30
13	Furnish and Install 30” diameter CMP Culverts	L.F.	235	\$111.72	\$26,254.20
14	Furnish and Install 36” diameter CMP Culverts	L.F.	853	\$130.13	\$111,000.89
15	Furnish and Install 42” diameter CMP Culverts	L.F.	584	\$157.36	\$91,898.24
16	Furnish and Install 30” diameter HDPE Culverts, including couplings	EA	1	\$4,035.00	\$4,035.00
17	Furnish and Install 36” diameter HDPE Culverts, including couplings	EA	2	\$5,197.50	\$10,395.00
18	Furnish and Install 42” diameter HDPE Culverts, including couplings	EA	1	\$5,775.00	\$5,775.00

EXHIBIT A

19	Construct benches A, B, C, and S Scrim Temporary Drainage Protection along toe of bench	S.F.	24,808	\$0.38	\$9,427.07
20	Furnish and Install Drainage Inlets	EA	2	\$22,496.25	\$44,992.50
21	Furnish and Install Stormwater Sampling Catch Basin	EA	1	\$3,360.00	\$3,360.00
22	Furnish and Install Steel Plate Baffles, including anchor bolts	EA	14	\$157.50	\$2,205.00
23	Construct Masonry Splash Walls, including reinforced concrete footing	L.F.	223	\$71.40	\$15,922.20
24	Earthwork (Engineered Fill C4P3 Liner Expansion)	C.Y.	387,953	\$1.65	\$640,122.45
25	Earthwork (Engineered Fill within the Western Stockpile) Range: 267,727 -- 541,435 (compacted) ^{1,2,3}	C.Y.	518,000	\$2.27	\$1,175,860.00
26	Earthwork (Engineered Fill using material hauled to Western Stockpile from Canyon 6 Stockpile) Range: 71,505 – 345,213 (compacted) ^{1,2,4}	C.Y.	94,940	\$2.12	\$201,272.80
27	Earthwork (Off-site dirt haul) Range: 0-297,509 (bank) ^{1,5}	C.Y.	0	0	0
28	Earthwork (C4P3 Over-excavation and Placement of Engineered Fill)	C.Y.	15,672	\$1.91	\$29,933.52
29	Earthwork (Western Stockpile Over-excavation and Placement of Engineered Fill)	C.Y.	93,500	\$1.63	\$152,405.00
30	Earthwork (Refuse Excavation & Disposal)	C.Y.	55,465	\$2.68	\$148,646.20
31	Earthwork (Earthen Berms)	L.F.	406	\$10.47	\$4,250.82
32	Construct Low-Permeability Layer (LPL)	C.Y.	6,195	\$13.40	\$83,013.00
33	Finish Subgrade Surface Preparation (FSSP)	S.F.	541,671	\$0.31	\$167,918.01
34	Furnish and Install GCL	S.F.	557,230	\$0.73	\$406,777.90
35	Furnish and Install 60-mil HDPE Liner (single-sided textured)	S.F.	235,768	\$0.68	\$160,322.24
36	Furnish and Install 60-mil HDPE Liner (double-sided textured)	S.F.	405,978	\$0.75	\$304,483.50
37	Furnish and Install 16 oz/sy Geotextile	S.F.	557,230	\$0.37	\$206,175.10
38	Furnish and Install 12 oz/sy Geotextile	S.F.	84,516	\$0.33	\$27,890.28
39	Furnish and Install 8 oz/sy Geotextile	S.F.	84,516	\$0.26	\$21,974.16

EXHIBIT A

40	Furnish and Install LCRS drainage layer (1/2-1" Gravel) for LCRS Trench	C.Y.	2,496	\$43.65	\$108,950.40
41	Furnish and Install 8" slotted HDPE pipe including pipe fittings and connections	L.F.	840	\$34.77	\$29,206.80
42	Furnish and Install 4" solid HDPE pipe, including trench excavation, pipe fittings, and connections	L.F.	424	\$18.75	\$7,950.00
43	Furnish and Install pump system including tubing, fittings, and support connections	L.S.	1	\$112,264.16	\$112,264.16
44	Relocate existing tanks, accessories, valves, vaults, guard posts, removal of existing 4" solid HDPE LCRS pipe	L.S.	1	\$31,978.69	\$31,978.69
45	Construct PCS Layer (3"-minus)	C.Y.	6,520	\$8.90	\$58,028.00
46	Construct PCS Layer (1"-minus)	S.F.	21,864	\$8.82	\$192,840.48
47	Furnish and Install 8-mil Temporary Protective Membrane	S.F.	346,048	\$0.43	\$148,800.64
48	Asphalt Access Road	S.F.	83,920	\$3.37	\$282,810.40
49	Construct Asphalt Concrete Speed Bumps	EA	4	\$2,021.25	\$8,085.00
50	Class II Base	S.F.	99,855	\$1.36	\$135,802.80
51	Class III Access Roads	S.F.	34,164	\$0.92	\$31,430.88
52	K-Rails	E.A.	80	\$819.60	\$65,568.00
53	Roadway Markings	L.S.	1	\$9,233.18	\$9,233.18
54	Soil Cement – Bench P and Sedimentation Basin Roads	S.F.	135,102	\$1.30	\$175,632.60
55	Soil Cement – Western Stockpile Road	S.F.	11,759	\$1.38	\$16,227.42
56	Realign and Furnish and Install Additional 8" HDPE Header Pipe	L.S.	1	\$50,858.15	\$50,858.15
57	Furnish and Install 8" HDPE LFG Collection Pipe	L.F.	302	\$15.23	\$4,599.46
58	Furnish and Install 8" Slotted HDPE LFG Collection Pipe	L.F.	50	\$19.28	\$964.00
59	Furnish and Install 8" Header Bridge Support	L.S.	1	\$22,261.43	\$22,261.43
60	Earthwork (Daily Cover)	C.Y.	96,000	\$1.32	\$126,720.00

Total Cost \$ 7,378,441.85

EXHIBIT A

Notes:

1. For Bid Items No. 25, 26 and 27, the Contractor shall list the quantities they expect to complete for each Bid Item. A Range with a minimum and maximum value has been provided.
2. The total estimated amount of engineered fill required to be placed in the Western Stockpile in order to meet grade is approximately 612,940 C.Y. The quantities listed by the Contractor in Bid Items No. 25 and 26 shall add up to 612,940.
3. Bid Item No. 25 includes material excavated within the Western Stockpile for placement as engineered fill within the Western Stockpile and material excavated from the C4P3 Grading Limits, hauled to the Western Stockpile and placed as engineered fill. At a minimum, the Contractor shall bid the estimated compacted engineered fill volume available from excavation within the Western Stockpile only, 267,727 C.Y.
4. An estimated minimum volume of 71,505 C.Y. of engineered fill will be required to complete the Western Stockpile to the required grades and elevations, using source material from the Canyon 6 Stockpile. If the Contractor bids to haul material excavated from the C4P3 Grading Limits off-site as part of Bid Item No. 27, the quantity of engineered fill required to meet grade can increase up to approximately 345,213 C.Y.
5. If the Contractor bids to haul only a partial amount of the available 297,509 C.Y., Contractor must remember to include the remaining volume as part of Bid Item No. 25. The 297,509 C.Y. listed in Bid Item No. 27 is a bank volume and as such, a shrinkage factor will be necessary to calculate the quantity for placement as engineered fill. In determining the volume for engineered fill, the County applied an 8% shrinkage factor, so for example, 297,509 C.Y. in Bid Item No. 27 is equal to 273,708 C.Y. of compacted engineered fill under Bid Item No. 25. To determine the remaining excess material volume to be placed as compacted engineered fill, Contractor shall also use an 8% shrinkage factor. If the Contractor is unable to haul the declared quantity off-site, the Contractor will be required to place the same quantity in the Western Stockpile as engineered fill at the unit cost agreed to for Bid Item No. 27.