



**Professional Services Amendment
CITY OF AUSTIN
RECOMMENDATION FOR COUNCIL ACTION**

**AGENDA ITEM NO.: 15
AGENDA DATE: Thu 04/15/2004
PAGE: 1 of 3**

SUBJECT: Authorize negotiation and execution of an amendment to the professional services agreement with CAMP DRESSER & MCKEE, Austin, TX, for engineering and construction phase services for the FM 812 Landfill for erosion control improvements along the north toe of the FM 812 Landfill, abutting Onion Creek, in the amount of \$261,880 for a total contract amount not to exceed \$685,747.27.

AMOUNT & SOURCE OF FUNDING: Funding in the amount of \$261,880 is available in the Fiscal Year 2003-2004 Capital Budget of the Solid Waste Services Department.

FISCAL NOTE: A fiscal note is attached.

REQUESTING Public Works
DEPARTMEN for Solid Waste Services;
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**DIRECTOR'S
AUTHORIZATION:** Sondra Creighton

FOR MORE INFORMATION CONTACT: H. Thomas Collins, P.E., 974-7124; Hani Michel, P.E., 974-1962; Laura Bohl 974-7064

PRIOR COUNCIL ACTION: 04/20/95 – Original Selection of Camp Dresser & McKee for Phase I Preliminary Design Services for FM 812 Landfill; 05/21/97 – Authorization for Phase II Design and Bidding Services and Phase III Construction Management Services for FM 812 Landfill; 12/13/01 Additional Phase II Design and Permitting Services and adjusted Phase III Construction Phase Services for FM 812 Landfill.

BOARD AND COMMISSION ACTION: N/A

PURCHASING: N/A

MBE / WBE: 7.32% MBE and 8.91% WBE subcontractor participation to date.

The City of Austin's FM 812 Landfill is located in southeast Travis County. The FM 812 Landfill is an operating municipal solid waste disposal facility owned and operated by the City's Solid Waste Services Department. The facility covers approximately 382 acres at the northwest intersection of FM 812 and FM 973.

Slope remediation associated with the FM 812 Landfill Improvements Project began construction in August 1994 and continued into January 1996. The purpose of the project was to provide for the collection of leachate from the landfill seeping into Onion Creek and to stabilize the eroded slopes on the north side of the landfill adjacent to Onion Creek. The design and construction of gabion mattresses on Onion Creek to protect the banks from eroding during flooding events was a part of this project.

The northern boundary of the City's FM 812 Landfill is adjacent to Onion Creek. Landfill operations were conducted in the area in the mid-1960's. Leachate from the old landfill occasionally seeps from the creek bank. A project completed seven years ago reduced the potential for leachate discharge through the construction of slurry "cut-off" walls paralleling the creek. Additional improvements were needed to collect and dispose of the leachate. These additional improvements were identified in Camp Dresser & McKee's (CDM) preliminary engineering (Phase I) services to determine the composition and quantity of



**Professional Services Amendment
CITY OF AUSTIN
RECOMMENDATION FOR COUNCIL ACTION**

**AGENDA ITEM NO.: 15
AGENDA DATE: Thu 04/15/2004
PAGE: 2 of 3**

leachate to be handled and the appropriate method of disposing of the leachate. The final design included four pumps and associated trench drain systems. This original involvement of CDM in the FM 812 Landfill was the subject of the RCA approved on April 20, 1995.

Administrative authorizations were approved in March and June of 1996 associated with necessary additional project investigation and preliminary engineering related to the landfill leachate and slope stability. These authorizations involved the execution of Supplemental Amendments to the existing CDM Professional Services Agreement (PSA).

The final design including four pumps and associated trench drain systems was identified in CDM's Preliminary Engineering Report (Phase I) and included the work performed under the original RCA approved on April 20, 1995 and the two Supplemental Amendments to the existing PSA executed in March and June of 1996.

In May of 1997, City Council approved an RCA for CDM to continue work for Phase II Design / Bidding Services and Phase III Construction Management Services at the FM 812 Landfill. An additional Supplemental Amendment was executed instructing CDM to provide for all anticipated design and bidding document preparation and the Phase III construction management services for the project.

An administrative authorization was approved in April of 1998 associated with necessary additional design and permitting activities associated with a change in scope of the project related to the landfill leachate and slope stability. This authorization involved the execution of a Supplemental Amendment to the existing CDM Professional Services Agreement (PSA).

In December of 2001, City Council approved an RCA for CDM to continue work for Phase II Design / Permitting Services and adjusted Phase III Construction Phase Services at the FM 812 Landfill. This additional work resulted from the review of the construction drawings by Development Review & Inspection Department for the leachate collection system and requiring additional protective measures for the leachate transport piping from the trenches to above ground storage tanks. Additionally, Solid Waste Services staff identified a need to relocate the proposed location of the above ground leachate storage tanks. An additional Supplemental Amendment was executed instructing CDM to provide for all anticipated changes in design drawings and bidding document preparation and the Phase III construction management services for the project.

As stated previously, the design and construction of gabion mattresses on Onion Creek to protect the banks from eroding during flooding events was a part of the slope remediation associated with the FM 812 Landfill Improvements Project begun in August 1994. These gabion mattresses, previously installed, appeared to be performing adequately. However, Travis County personnel have recently contacted the City and identified failures noticed in some of these gabion mattresses.

The City is concerned about the failure of some of the gabion mattresses and the long-term effects should the erosion continue. CDM has just completed the design of FM 812 Landfill Leachate Disposal Improvements Project in the same area of the FM 812 Landfill. The intent of this recently completed design is to help stabilize the landfill slopes adjacent to Onion Creek. Their knowledge of the slope stability, history of erosion and existing utilities in this specific area of the FM 812 Landfill makes them the recommended choice to investigate the causes of some of the gabion mattress failures, design the



**Professional Services Amendment
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RECOMMENDATION FOR COUNCIL ACTION**

**AGENDA ITEM NO.: 15
AGENDA DATE: Thu 04/15/2004
PAGE: 3 of 3**

needed improvements and provide construction phase services associated with possible replacement of some of the failed sections.

ACTION	DESCRIPTION	AMOUNT
04/20/95	Original Selection of Camp Dresser & McKee for Phase I Preliminary Design Services for the FM 812 Landfill	\$90,000.00
Administrative (3/26/96)	Additional Preliminary Engineering for project investigations	\$30,892.27
Administrative (6/25/96)	Additional preliminary engineering	\$6,000.00
05/21/97	Authorization for Phase II Design and Bidding Services, and Phase III Construction Management Services	\$62,000.00
Administrative (4/27/98)	Additional permit and design services	\$38,975.00
12/13/01	Additional Phase II Design and Permitting Services; and adjusted Phase III Construction Phase Services	\$196,000.00
Proposed	Engineering, Permitting and Construction Phase Services for the FM 812 Landfill for erosion control improvements at toe of landfill slope	<u>\$261,880.00</u>
TOTAL		\$685,747.27

Subconsultant participation stated in the original agreement in 1995 was 10.0% MBE, 5% WBE and 16.5% Non M/WBE. Participation for this amendment:

NON M/WBE TOTAL – PRIME	\$181,394.00	69.27%
Camp Dresser & McKee, Austin, TX	\$181,394.00	69.27%

MBE TOTAL – SUBCONTRACTORS	\$80,486.00	30.73%
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African American Subtotal	\$19,086.00	7.29%
HVJ Associates, Inc. Austin, TX Geotechnical Investigation	\$19,086.00	7.29%

Hispanic Subtotal	\$61,400.00	23.44%
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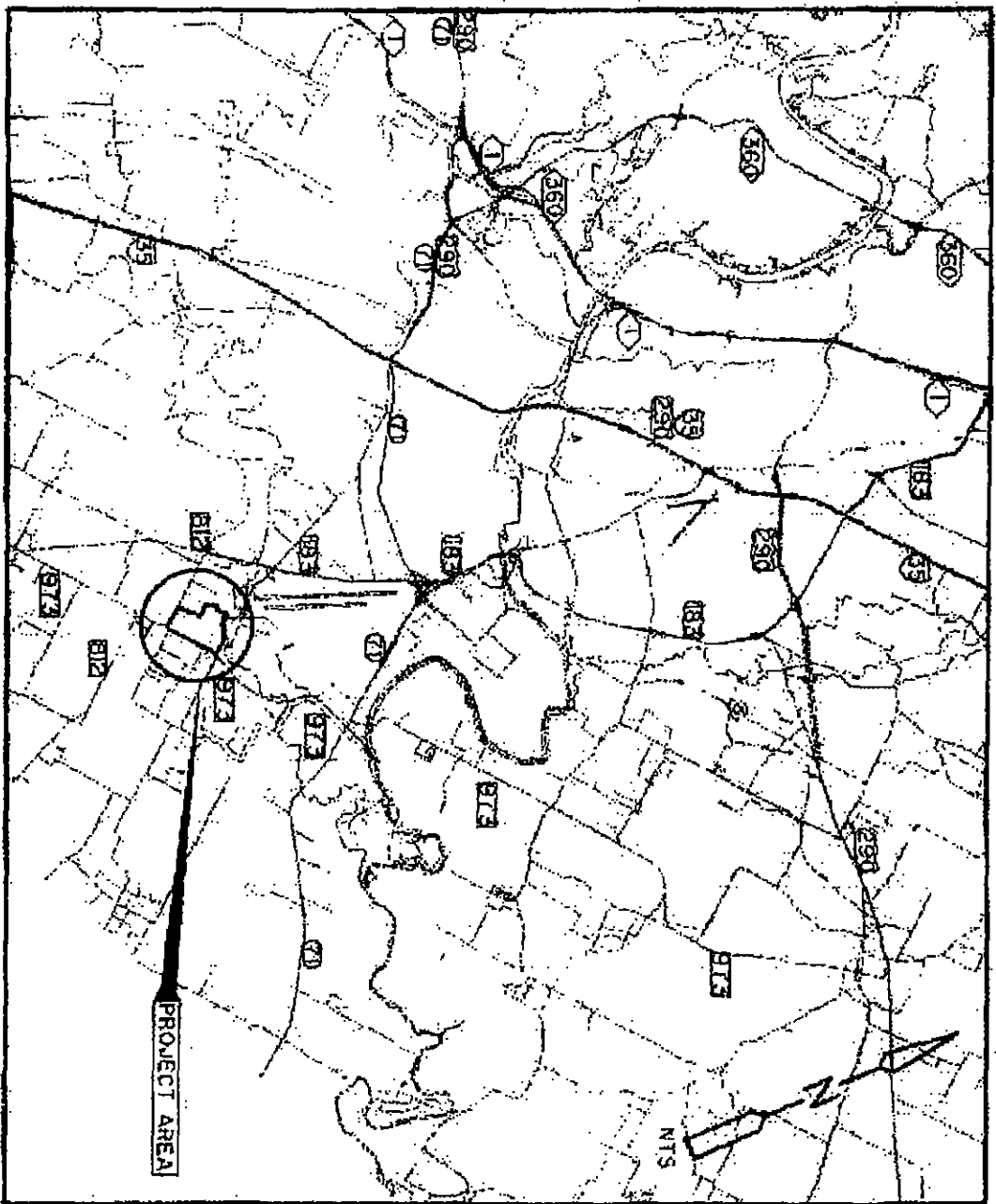
AGENDA ITEM NO.: 15
AGENDA DATE: Thu 04/15/2004
PAGE: 4 of 3

Sunland Group, Austin, TX
Survey & Environmental Assessment

\$61,400.00

23.44%

Overall subconsultant participation, including this amendment: 16.26% MBE, 5.51% WBE and 10.13% Non M/WBE.



LOCATION PLAN

**CIP
FISCAL NOTE**

DATE OF COUNCIL CONSIDERATION:

4/15/2004

WHERE ON AGENDA:

Resolution

DEPARTMENT:

Solid Waste Services

DESCRIPTION: Authorize negotiation and execution of an amendment to the professional services agreement with CAMP DRESSER & MCKEE, Austin, TX. For engineering and construction phase services for the FM 812 Landfill for erosion control improvements along the north toe of the FM 812 Landfill, abutting Onion Creek, in the amount of \$261,880 for a total contract amount not to exceed \$645,747.

FINANCIAL INFORMATION:

Parent Project Name: FM 812 Landfill Erosion Control
Project Authorization: 2003-04 Approved CIP Budget
Funding Source: Current Revenue

Number: 4800-497-0706

Current Appropriation	\$ 823,000.00
Unencumbered Balance	\$ 773,680.00
Amount of This Action	<u>\$ 261,880.00</u>
Remaining Balance	<u>\$ 511,800.00</u>

Ref. #: 4800-497-0706

Department Signature: Lee Cooper, CPA Date: 3-29-04