



Agenda Item:

8b

COUNCIL COMMUNICATION

City Manager's Office

GENERAL INFORMATION

Agenda Date: 02/0904
No.: 04-061

Communication

Agenda Item Type: Receive/File

Roll Call No.:

Submitted by: William G. Stowe, Public Works Director
Jeb E. Brewer, P.E., City Engineer

SUBJECT—

WRF Building 05 & Stormwater Modifications Design

SYNOPSIS—

A professional services agreement has been negotiated with the engineering firm of Howard R. Green, Ralph Russell, President, 8710 Earhart Lane SW, Cedar Rapids, Iowa 52404, to provide Design Services for the Des Moines Wastewater Reclamation Facility Building 05 & Stormwater Modifications Design, Activity ID No. 01-2004-022, in a lump sum amount not to exceed \$43,120.00.

FISCAL IMPACT—

Funding for this project is provided for on page WRA3 of the 2003-04 CIP. Funding for this project will be made from community contributions.

Fund: EN267

Org: PWK990000

Project: WRA 079

Activity ID 01-2004-022

RECOMMENDATION—

Approval.

BACKGROUND—

The preliminary treatment process at the wastewater reclamation facility is labor intensive and requires that large bins of screenings be handled several times using manual labor. The screenings handling is in the process of being redesigned to eliminate the use of manual labor and load directly into a screenings truck using a conveyor system. A larger door is required in Building 05 (preliminary treatment building) to allow trucks to access the conveyor system that will be installed at a later date. Currently screenings are placed in large containers and rolled outside the building where they are picked up by a screenings truck. Installation of the door will require structural modifications to the building. A column and beam will need to be designed.

The stormwater modifications will route surface drainage on the west end of the WRF to the headworks of the plant. Much of this work will take place around the Solids Dewatering and Hauled Waste Unloading facilities. This area has a high probability of spills and cleanup will be facilitated if the stormwater is routed into the plant's waste stream. This will prevent accidental contamination of surface waters from pollutants entering the storm sewers. This will also simplify the stormwater permitting at the WRF.

Howard R. Green was chosen as the consultant because they have considerable experience at the WRF. Selecting a new consultant to do this work would require that preliminary surveying for the project would be done again and additional costs would be incurred.