



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: February 2, 2010

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Final Design Of Elings Park Landfill Gas Collection And Control System

RECOMMENDATION: That Council:

- A. Authorize the Public Works Director to execute a professional services contract with Geosyntec Consultants (Geosyntec) in the amount of \$63,267 for design services for the Elings Park Landfill Gas Collection and Control System, and authorize the General Services Manager to approve expenditures of up to \$6,327 for extra services of Geosyntec that may result from necessary changes in the scope of work; and
- B. Increase appropriations by \$87,000 in the Solid Waste Fund from reserves for final design of the Elings Park Landfill Gas Collection and Control System.

DISCUSSION:

BACKGROUND

Landfill gas has been detected in some gas monitoring probes that serve the former City Las Positas Landfill. The Landfill was closed prior to the construction of Las Positas (now Elings) Park. The City contracted with Geosyntec to provide a preliminary plan to mitigate the landfill gas. After receiving approvals from the Santa Barbara County Environmental Health Department, which functions as the Local Enforcement Agency, and the California Integrated Waste Management Board for the preliminary plan, the City approved the plan and began working with Geosyntec on a design.

Geosyntec was selected for this project due to the firm's extensive knowledge and experience with the site and landfill gas extraction systems. They have evaluated or designed landfill gas extraction systems at more than 50 sites around the country. Staff from Geosyntec's local office has worked at the Elings Park site since 2003, assisting the Elings Park Foundation in developing the conceptual design for an engineered cover system for its proposed lower park project.

PROJECT DESCRIPTION

The work consists of the final design of a gas collection and control system for the closed landfill at Elings Park. The collection system includes the installation of four vertical wells and piping to collect and transport landfill gases and condensate to a centralized point. The project will also construct a centralized collection and treatment system for the gases and condensate. The landfill gas collected will be filtered or destroyed in a chamber. All work for the project will occur at Elings Park.

DESIGN PHASE ENGINEERING SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with Geosyntec in the amount of \$63,267 for final design and \$6,327 for potential extra services for a total of \$69,594. Geosyntec is a national firm that specializes in the design and construction of solid waste disposal facilities, and has prior experience working on local landfill projects, including those at Elings Park. Geosyntec has performed the preliminary design for the project.

PUBLIC OUTREACH

The Public Works Department, in conjunction with the Environmental Services Division, will work closely with the Elings Park staff for all public outreach. Through workshops and written communications with Elings Park staff, Public Works will ensure the information about the design and subsequent construction is readily available to the public. All outreach efforts will ensure the City keeps residents and park users appropriately informed.

FUNDING

The following summarizes all estimated total Project cost:

ESTIMATED TOTAL PROJECT COST

Design (by Contract)	\$69,594
Other Design Costs - City staff (if contract), Environmental (Assessments, etc.)	\$46,972
Subtotal	\$116,566
Estimated Construction Contract w/Change Order Allowance	\$588,500
Estimated Construction Management/Inspection (by Contract or City)	\$53,500
Subtotal	\$642,000
TOTAL PROJECT COST	\$758,566

The Solid Waste Fund currently has approximately \$30,000 budgeted for this project. Therefore, an additional \$87,000 is needed in appropriations to cover the design costs estimated at \$116,566. Following the receipt of construction bids, staff will return to Council to request approval of the construction contract and appropriation authority to cover these costs, utilizing Solid Waste Fund reserves.

PREPARED BY: John Ewasiuk, Principal Civil Engineer/PS/mj

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office