



Meeting Date: 07/21/09

ACTION	TYPE OF ITEM
<input type="checkbox"/> Approved Recommendation	<input checked="" type="checkbox"/> Info/Consent
<input type="checkbox"/> Ord. No(s). _____	<input type="checkbox"/> Report
<input type="checkbox"/> Res. No(s). _____	<input type="checkbox"/> Public Hearing (Info/consent)
<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____

Prepared By: Lou Balderrama, City Engineer Agenda Item No. JF 11
 Reviewed By: City Manager [Signature] City Attorney [Signature] Finance [Signature] Public Works [Signature]

DATE: July 13, 2009

TO: City Council

FROM: Lou Balderrama, City Engineer [Signature]
Public Works

SUBJECT: PW 07-21 Advanced Water Purification Facility (AWPF)

RECOMMENDATION

That City Council approve Project Specification No. PW 07-21 for the construction of the Advanced Water Purification Facility (AWPF), located at 5700 South Perkins Road and authorize staff to solicit bids for the project.

DISCUSSION

In November 2004, the City Council certified the environmental impact report for the Groundwater Recovery Enhancement and Treatment (GREAT) Program. The GREAT Program is an innovative regional water resources project designed to improve the City's water system reliability and to meet its water supply needs through 2020. A major component of the GREAT Program is the AWPF, a holistic water resources project that will improve the City's water supply reliability and water quality, reduce dependence on costly imported water, and help local groundwater aquifers recover from chronic over pumping.

The AWPF is designed to treat 7.81 million gallons per day of secondary effluent from the Oxnard Wastewater Treatment Plant that is now being discharged to the Pacific Ocean to produce 6.25 million gallons per day of highly purified recycled water. The AWPF will utilize microfiltration/ultrafiltration, reverse osmosis, and advanced oxidation treatment to produce recycled water that meets stringent state requirements for groundwater injection and irrigation for edible crops. The AWPF is designed to expand to ultimately produce up to 25 million gallons of recycled water per day. The use of recycled water for landscape irrigation and industrial processes will directly offset the use of potable water for existing and new water customers. The use of recycled water for agricultural irrigation and groundwater injection will produce groundwater credits, which the City will use to pump groundwater from areas not subject to seawater intrusion.

The planned construction of the AWPf is on a five acre site located at 5700 South Perkins Road on the corner of Hueneme Road neighboring the Oxnard Wastewater Treatment Plant (OWTP). The project specifications on the AWPf site includes grading and paving, landscaping and site fencing, demonstration wetlands installation, yard piping to the OWTP, site drainage system, construction and installation, visitor's center, conference center, lift pump station, microfiltration, reverse osmosis, chemical storage and feed, ultraviolet disinfection and advanced oxidation, decarbonation, lime stabilization and finished water pumping facilities. The specific work includes the furnishing of all materials, tools, equipment, and labor required to construct, install and provide a fully functional AWPf.

Due to project deliverable timing challenges and in an effort to minimize construction costs, staff intends to perform a value engineering alternatives review analysis of the AWPf's proposed visitors and administration building element coincidental with the solicitation of competitive bid proposals.

FINANCIAL IMPACT

The engineer's estimated cost for this project which includes design, project management, materials, inspection, and construction is \$75,000,000. Additional appropriations for this project will be from the planned 2009 Series Water Revenue Bonds. On July 1, 2009, the Federal Bureau of Reclamation under the Title XVI Program awarded the City \$20,000,000 in federal stimulus funding to partially offset the cost of this project. This federal stimulus funding is under the provision of the American Recovery and Reinvestment Act of 2009 (Stimulus Bill) and requires that eligible projects be "shovel-ready" and that the AWPf be capable of producing recycled water by September 30, 2011.

Attachment #1 - Project Cost Estimate
#2 - Project Location Map

Note: Plans and Specifications for PW 07-21 for the Construction of the Advanced Water Purification Facility Project are available for review at the City of Oxnard Corporation yard General Services Division – Building 2, 1060 Pacific Avenue after 8:00 a.m. on Friday prior to the City Council Meeting.

**CITY OF OXNARD
CAPITAL IMPROVEMENT PROJECT ESTIMATE**

Project Title: Advanced Water Purification Facility Project Specification No: PW 07-21

Account No: 601-6553-824-86-04 Project No. 066010 Project Manager: Thien Ng

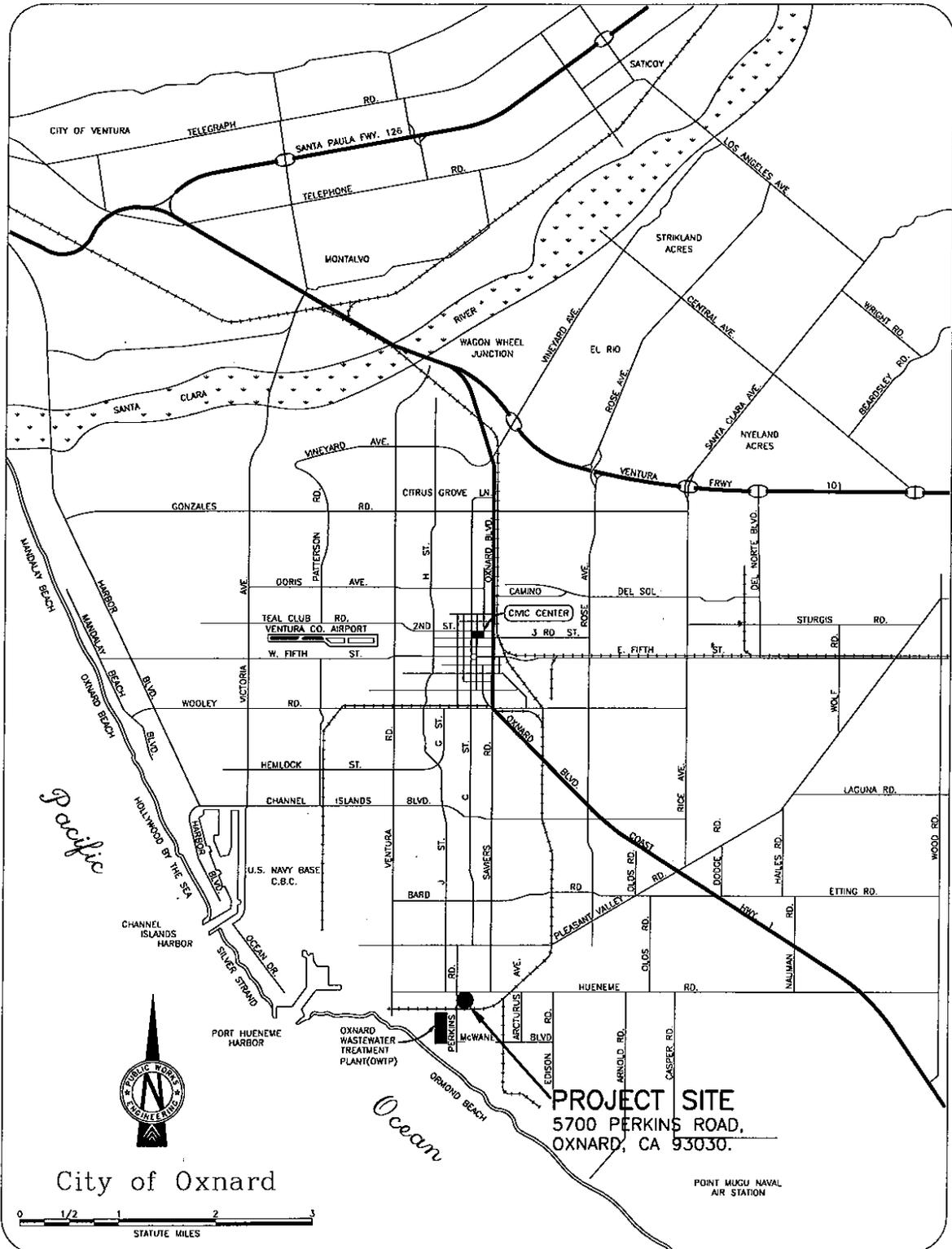
	Original Estimate Amount	Revised Estimate Amount	Actual Cost
I. EXTERNAL SERVICES			
A. Architectural/ Engineering (8201)	_____	_____	_____
1. Preliminary Feasibility	_____	_____	_____
2. Design or Construction	_____	_____	_____
3. Specification/Cost Estimate	_____	_____	_____
B. Planning/EIR Services (8206)	_____	_____	_____
C. Real Estate Services (8207)	_____	_____	_____
D. Construction Services (8208)	4,853,700	_____	_____
1. Surveys	_____	_____	_____
2. Soils Analysis	_____	_____	_____
3. Inspection	_____	_____	_____
4. Testing	_____	_____	_____
5. Atlas Fees	_____	_____	_____
6. Plans and Records	_____	_____	_____
7. Misc. (postage, reproductions, etc.)	_____	_____	_____
<i>Total External Services</i>	\$ 4,853,700	_____	_____
II. INTERNAL SERVICES			
A. Design Engineering (8451)	715,300	_____	_____
B. Inspection (8451)	645,800	_____	_____
C. Survey (8451)	326,100	_____	_____
D. Contract Administration (8451)	304,100	_____	_____
E. Contract Procurement (8451)*	5,000	_____	_____
<i>Total Internal Services</i>	\$ 1,996,300	_____	_____
III. CONSTRUCTION/ACQUISITION			
<i>Running for items in this section must be in place before contract is awarded</i>			
A. Land, Easements and Rights-of-Way (8601)	_____	_____	_____
B. Buildings:	_____	_____	_____
8602-New	61,500,000	_____	_____
8603-Major Repair	_____	_____	_____
C. Improvements other than Buildings	_____	_____	_____
8604-New	_____	_____	_____
8605-Major Repair	_____	_____	_____
D. Machinery/Equipment (8606/8607)	_____	_____	_____
<i>Total Construction/Acquisition</i>	\$ 61,500,000	_____	_____
IV. OTHER PROJECT COSTS:			
A. Project Contingencies (8802) (10%)	6,150,000	_____	_____
B. CIP Indirect Cost	500,000	_____	_____
<i>Total Other Costs</i>	\$ 6,650,000	_____	_____
Project Total	\$ 75,000,000	_____	_____
<hr/>			
Total Appropriation	\$ 75,000,000	_____	_____
Less: Encumbrances & Expenditures	_____	_____	_____
Balance Available	\$ 75,000,000	_____	_____

***NOTICE**

Approval of this estimate authorizes the transfer of the amount shown in item II-E from the project listed above to Contract Procurement Account No. 101-4501-553-7337 when bid solicitation services begin.

Prepared by: ML
Date: 3/11/10

Approved by: [Signature]
Date: _____



**ADVANCED WATER PURIFICATION
FACILITY (AWPF)
LOCATION MAP**