



Staff Report

City of Manhattan Beach

TO: Honorable Mayor Fahey and Members of the City Council

THROUGH: Geoff Dolan, City Manager

FROM: Neil C. Miller, Director of Public Works
Dana Greenwood, City Engineer

DATE: July 5, 2005

SUBJECT: Award an Engineering Services Contract to Boyle Engineering Corporation for the Water/Sewer/Storm Drain Control Conversion Project in an amount not-to-exceed \$535,179 and Approve Supplemental Appropriation (\$36,000)

RECOMMENDATION:

Staff recommends that the City Council pass a motion to:

- a) Award an engineering services contract to Boyle Engineering Corporation for the Water/Sewer/Storm Drain Control Conversion Project in an amount not-to-exceed \$535,179.
- b) Authorize the Director of Public Works to approve additional work in an amount not to exceed \$50,000, if required.
- c) Approve a supplemental appropriation of \$36,000 from the Water Fund Reserves.

FISCAL IMPLICATION:

Funds in the amount of \$500,000 are included in the current Capital Improvement Program budget for this project. A supplemental appropriation of \$36,000 from the Water Fund Reserves will be required to fund design and construction.

DISCUSSION:

Background

In the late 1980's, the City of Manhattan Beach installed a control system for the City's water, sewer and storm drain pump plants, using what at that time was state-of-the-art hardware and software. In the ensuing years, it has become increasingly difficult for the City to maintain the hardware and software associated with this system. The software that was installed was proprietary and no longer supported. Replacement parts for much of the hardware are also no

longer available.

The City has recently started the process of migrating to the use of updated hardware and non-proprietary software. The first phase of this migration was recently completed with the installation of a new System Control and Data Acquisition (SCADA) program and readily-available, off-the-shelf hardware at critical facilities. The water plants at Peck Reservoir and Block 35, along with the City's Metropolitan Water District connection (located at the intersection of Manhattan Beach Boulevard and Redondo Avenue), were recently updated in the first phase. City staff is now in the process of testing the new software and control hardware at these locations.

This project will complete the conversion process at the following facilities:

- 1) Voorhees Sewer Lift Station
- 2) Meadows Sewer Lift Station
- 3) Pacific Avenue Sewer Lift Station
- 4) Palm Avenue Sewer Lift Station
- 5) Bell Avenue Sewer Lift Station
- 6) Poinsettia Sewer Lift Station
- 7) Water Well 11A
- 8) Water Well 15
- 9) Manhattan Beach Pier Sewer Lift Station
- 10) City Hall Sewer Lift Station
- 11) Second Street Water Pressure Booster Station
- 12) Larsson Pump Plant (water)
- 13) Radisson Golf Course Storm Drain Pump Station
- 14) Peck/23rd Street Storm Drain Pump Station
- 15) Grandview Water Pressure Monitoring Station

Consultant Selection Process

With this project there will be no heavy construction (i.e., installation of vaults, valves, or pipeline repairs). Staff felt that coordination between the system designer, programmer, and control panel fabricator was critical to the success of this project. It was therefore decided to make this project an engineering services contract to facilitate coordination of effort and centralize overall responsibility with one entity. By the nature of the work, this contract was viewed as a professional services contract. As such, the Public Contract Code does not apply to this work. There is no requirement therefore to award the contract to the lowest bidder.

A Request for Proposals (RFP) was provided to three consultants that had extensive experience with projects of this nature. All three consultant provided proposals. A selection committee comprised of water operations staff and engineers within the Public Works Department reviewed the three proposals. Staff is recommending awarding the contract to Boyle Engineering Corporation for the following reasons:

- 1) Their staff was the most experienced and they are very familiar with the City's existing system. Key individuals on the proposed project team were involved with

the development of the City's original SCADA system, and are therefore intimately familiar with the City's water, sewer, and storm drain system.

- 2) The proposal by Boyle Engineering Corporation provided the most realistic schedule as well as the most complete breakdown of services and equipment to be provided under this contract.

The other two consultants, while their main office is local, depended heavily on software engineers and hardware fabricators that were not local. Staff questioned the ability of the other two consultants to provide adequate support during programming and installation of the hardware.

Each consultant also included a copy of their fee proposals under a separate sealed envelope:

- Brockmeier and Associates \$512,690
- Brown and Caldwell \$810,000
- Boyle Engineering \$535,179

The fee proposal included an hourly breakdown for each stage of the subject project. The fee proposal was not used, however, in the selection process, since State Law (Section 4526 of the Government Code) requires that professional services be selected on the basis of the quality of the proposal.

Additional Work Authority

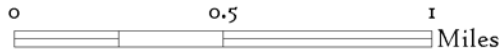
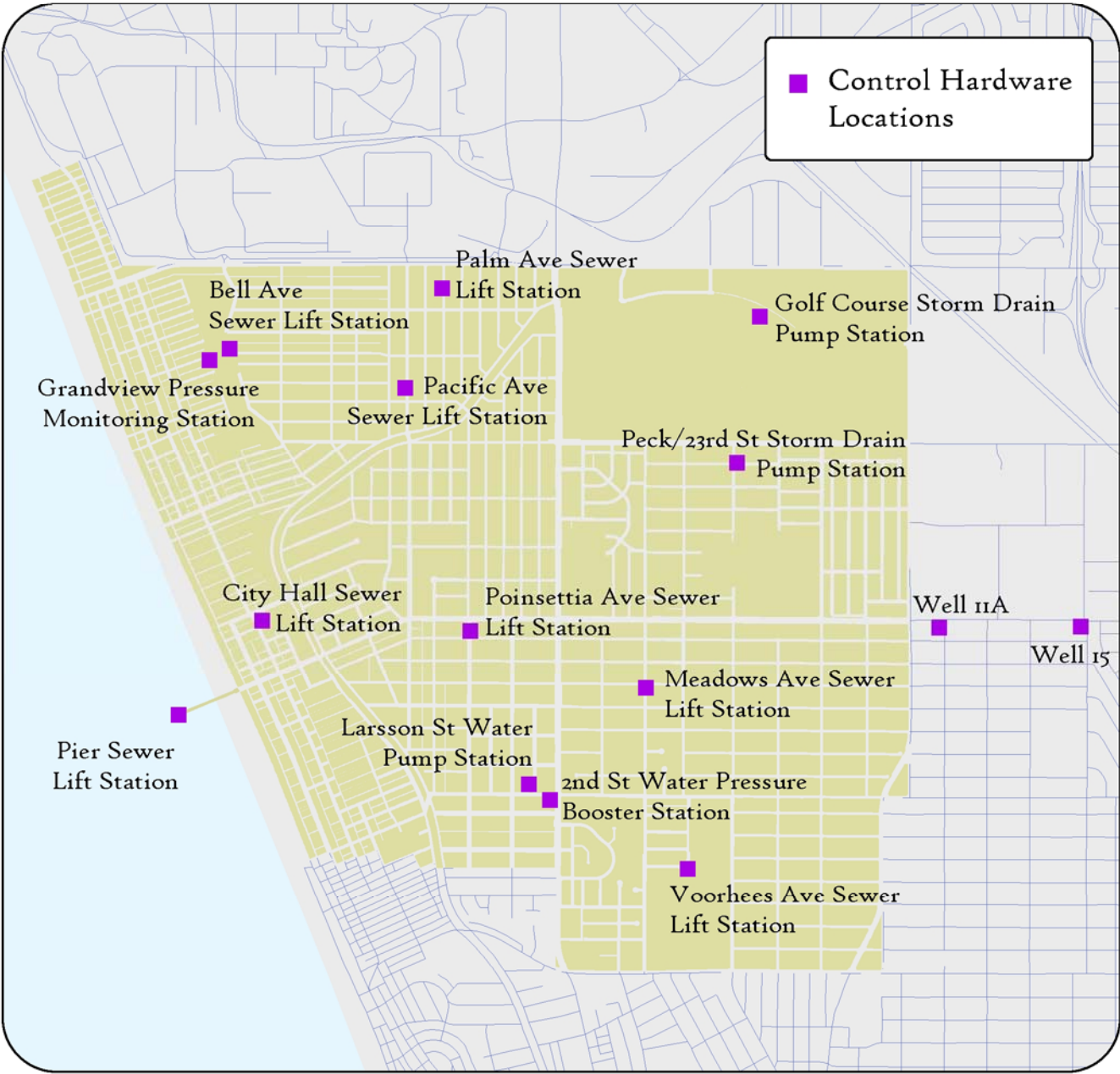
Authorizing the Director of Public Works to approve additional work in an amount not-to-exceed \$50,000 would expedite completion of this project. In addition, projects that involve retrofitting of existing systems have a higher probability for encountering unforeseen conditions. If the contingency is approved with this award, the Public Works Director will report the status of any additional work to Council at the end of the project and make a recommendation to approve a supplemental appropriation, if necessary.

Attachment: GIS Location Map

xc: Henry Mitzner, Controller
Clarence Van Corbach, Utilities Manager
Bob Erikson, Water Supervisor
John Haig, Senior Water Plant Operator

City of Manhattan Beach

Water / Sewer / Storm Drain Control Conversion Project



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