

PLANT HEADWORKS AND PRIMARY TREATMENT IMPROVEMENT PROJECT, AUTHORIZE EXECUTION OF AMENDMENT NO. 1 TO THE PROFESSIONAL SERVICES AGREEMENT WITH RMC WATER AND ENVIRONMENT TO AMEND THE SCOPE OF SERVICE AND CONTRACT COST CEILING TO INCLUDE PLANNING AND PRELIMINARY DESIGN SERVICES IN CONNECTION WITH THE EXPANSION OF SECONDARY TREATMENT PLANT CAPACITY, INCLUDING THE PLANNED ADDITION OF A BALLASTED FLOCCULATION PROCESS TO REPLACE THE SAND FILTERS

BACKGROUND:

In February 2009, the Board authorized the execution of a professional services agreement with RMC WATER AND ENVIRONMENT, INC (RMC) to perform planning and preliminary design level services for the Plant Headworks and Primary Treatment Improvements Project. The consultant was selected by the Board following a request for proposal and interview process. There were five firms that competed to provide services for the project. RMC was selected by the Board based on their proposal, strength of their project team and the cost of their services. The negotiated cost ceiling for the services was \$256,142.

Planning and preliminary engineering services for the project are nearly complete. Outstanding work includes the evaluation of screening process technologies and presentation and acceptance of the report by the Board of Directors.

Included in the approved FY 2010/11 District budget is the Wet Weather Improvement Project, which consists of the expansion of secondary treatment capacity from 6.0 MGD to 9.0 MGD via Fixed Film Reactor modifications and installation of a ballasted flocculation process. The ballasted flocculation process would replace the 20 year old sand filters. The Board appropriated \$500,000 for the project to fund planning and design work in FY 2010/11.

Staff believes that combining the Headworks and Primary Treatment Improvement project with the Wet Weather Improvement will result in many advantages, including lower costs, better construction coordination, shorter completion schedules, less operational interferences and higher likelihood of a successful project. The plant site is considered far too constricted to accommodate the work of two contractors at the same time.

Staff asked RMC to submit a proposal to perform planning and preliminary engineering services for the wet weather improvements. The scope of services and cost estimate of the combined project are attached (starting on page 5). The estimated cost of the added services is \$99,219, bringing the total cost of planning and preliminary design for the combined project to \$355,362. Compensation is paid to the consultant based on actual time and material costs.

RECOMMENDATION: Authorize execution of Amendment No. 1 to the professional services agreement with RMC Water and Environment, increasing the cost ceiling from \$256,142 to \$355,362.

LOCUST STREET PUMP STATION PROJECT – ACCEPT CULTURAL RESOURCES INVENTORY AND EVALUATION REPORT PREPARED BY GARCIA AND ASSOCIATES AND AUTHORIZE EXECUTION OF AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT WITH NUTE ENGINEERING TO INCLUDE AN EXTENDED PHASE I ARCHAEOLOGICAL INVESTIGATION STUDY

BACKGROUND: Attached for Board review is the Cultural Resources Inventory and Evaluation Report for the Locust Street Pump Station Improvement Project. The report was prepared by Garcia and Associates as part of the application process for obtaining low interest state revolving loan fund financing for the project. The cultural resources investigation is intended to identify archeological and historic period architectural resources in the area where excavation of subsurface soils is planned. Note that disclosure of certain sections of this report to the general public may be in violation of state and federal law. Consequently, sensitive sections of the report will be extracted prior to making the document available to the public.

The investigation revealed that while no cultural resources appear to exist within the project site, a previously recorded historical archeological deposit has been noted in vicinity of the site. Consequently, the consultant has concluded that there is potential for finding similar resources during project excavation work. The consultant recommends conducting an extended Phase I evaluation consisting of a boring and the evaluation and cataloging of deposits from the core sample for archeological materials of interest. If archaeological materials are not identified during the investigation, preparation of an accidental discovery plan prior to the start of construction and archaeological monitoring during excavation is expected

The consultant's scope of service and estimated cost for the extended Phase I investigation services are attached. The cost of the work is estimated at \$23,012. Staff is in discussions with the consultant regarding the budget for the service and will provide a refined budget amount at the Board meeting. Note that a 10% fee is charged by Nute Engineering for coordination and administration of sub-consultant services.

RECOMMENDATION: Accept the Cultural Resources Inventory and Evaluation Report dated December 2010 and authorize the execution of an Amendment to the professional services agreement with Nute Engineering for the extended Phase I Archeological Investigation Study and raise the agreement cost ceiling from \$356,441 to \$381,741