

**TO:** James L. App, City Manager  
**FROM:** Doug Monn, Public Works Director  
**SUBJECT:** Award Design Services to Increase Size of the Forced Main  
Serving Lift Station No. 3  
**DATE:** August 21, 2007

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**NEEDS:** For the City Council to consider awarding a design contract to increase the size of the forced main serving Lift Station No. 3.

**FACTS:**

1. Lift Station No. 3 is located in the Bella Vista Estates adjacent to Bella Vista Court.
2. The lift station wetwell was designed to serve ultimate development in accordance with the General Plan.
3. A forced main from a lift station to a gravity main must be sized in a manner that does not allow for accumulation of waste products. At its original construction a four-inch diameter main was installed based on the limited number of users at that time.
4. The number of users connected to this lift station has increased, resulting in increased volume of wastewater flow. There is now a need for a six-inch diameter forced main.
5. Staff issued a Request for Proposal (RFP) for preparation of construction documents to increase the forced main that serves Lift Station No. 3. Four responses were received. Cost results are as follows.

Penfield and Smith	\$ 37,650
Wallace Group	39,686
Cannon Associates	41,510
Boyle Engineering	79,641

**ANALYSIS & CONCLUSION:** The forced main project is a relatively standard engineering design and all firms are capable of performing the work. It is proposed that the City Council award the design contract to Penfield and Smith.

**POLICY**

**REFERENCE:** Sewer Master Plan  
Adopted CIP Budget

**FISCAL**

**IMPACT:** The adopted CIP has a budget of \$400,000 allocated to this project.

**OPTIONS:**

- a. Authorize the City Manager to enter a Service Agreement with Penfield and Smith to upgrade the forced main that services Lift Station No. 3 for a not-to-exceed amount of \$37,650.
- b. Amend, modify, or reject the above option.

Prepared by:  
Ditas Esperanza, P.E., Capital Projects Engineer

Attachments (2)  
Scope of Work and Fee Proposal  
Location Map