

**TO:** CITY MANAGER

**DATE:** 2002 02 13

**FROM:** DIRECTOR ENGINEERING

**FILE:** 10-01-12

**SUBJECT: WORK ORDERS**

**PURPOSE:** To obtain approval of Work Orders 60-32-119, 60-30-110, and 60-21-138

**RECOMMENDATION:**

1. **THAT** the above work orders as more specifically referred to in this report, be approved.

**REPORT**

**60-32-119** Byrne Creek Stormwater Management Program - Phase 2 (Engineering Services)

**Charge:** 2002 Provisional Capital Budget  
Storm Drainage \$100,000

**Additional Information:** Byrne Creek, in its lower reaches, was relocated to its present alignment in 1987. The adjacent dykes have settled over time to the point where they must be raised to the original design elevations. In addition, flow improvements will be undertaken by sediment removal at points of restriction. Consultancy services are required to undertake detailed engineering designs and contract administration at a total estimated costs of \$100,000. Sufficient General Revenue funds are available and these expenditures are included in the Storm Drainage component of the 2002 - 2006 Provisional Capital Program.

**60-30-110** Upgrade Pump Stations Alarm System

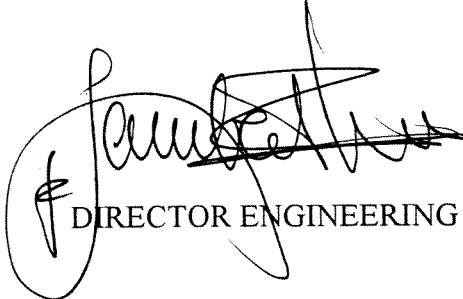
**Charge:** 2002 Provisional Capital Budget  
Sanitary Sewer \$100,000

**Additional Information:** This work order provides funding for improvements and expansion of the existing sanitary pump stations alarm system. The number of alarm points and data capture capability at each station will be enhanced with better hardware and software systems. System improvements will enable staff to remotely monitor system alarms and significantly improve the response time in the event of station malfunction. Sufficient General Revenue funds are available and these expenditures are included in the Sewer Utility 2002 - 2006 Provisional Capital Program.

60-21-138 Water Pressure Reducing Valve Stations Upgrade

Charge: 2002 Provisional Capital Budget \$200,000  
Watermains, pumping stations, etc

**Additional Information:** The City has 18 PRV stations used to regulate flow and pressures in each pressure zone. Proper functioning of pressure regulating valves is essential to provide an adequate supply of water for both domestic and fire protection. This work order provides funding for the ongoing program of upgrading and renewal of aging PRV system infrastructure. In addition, expansion and enhancement of electronic data collection and remotely monitored alarm systems will be undertaken. Sufficient General Revenue funds are available and these expenditures are included in the Water Utility component 2002 - 2006 Provisional Capital Program.



DIRECTOR ENGINEERING

AAS:

cc: Director Finance