

**CITY COUNCIL  
COMMUNICATION:**

**ITEM \_\_\_\_\_**

**OFFICE OF THE CITY MANAGER  
CITY OF DES MOINES, IOWA**

**98-340**

**SYNOPSIS —**

**AGENDA:**  
AUGUST 17, 1998

**SUBJECT:**  
SW 30TH STREET  
SANITARY RELIEF  
SEWER. CHANGE  
ORDER NO. 1

A change order in the amount of \$88,5000 has been negotiated with Layne Christensen Company, A.B. Schmitt, President, 1900 Shawnee Mission Parkway, Mission Woods, Kansas for additional work in conjunction with the SW 30th Street Sanitary Relief Sewer project. This change order will provide compensation to the contractor for construction of a shaft to retrieve the drilling head of the microtunneling machine and to relocate a manhole because the project has encountered bedrock.

**TYPE:**  
**RESOLUTION**  
ORDINANCE  
RECEIVE/FILE

**FISCAL IMPACT –**

**SUBMITTED BY:**  
HAROLD SMITH  
CITY ENGINEER

Funds are available in the 1998-99 Capital Improvements Program, Index Code 371161, City-Wide Sanitary Sewers.

**RECOMMENDATION –**

**Approval of Change Order No. 1 with Layne Christensen Company.**

**BACKGROUND –**

During the design phase of this project, the City took several soil borings of the project. In addition, the contractor took several additional borings during the bid phase of the project. None of these previous soil borings indicated any problem with bedrock in this area. However, during the microtunneling process, the contractor has encountered bedrock, and additional soil borings have indicated this bedrock to be approximately 40 feet in width and dropping off almost vertically on either side.

For this project to proceed, a 10' x 16' shaft, 30' deep, with steel sheeting must be constructed to retrieve the microtunneling

equipment and to relocate a manhole with the grade of the sewer to be adjusted to avoid the bedrock which has been encountered. Specifications for this project provide for compensation to the contractor for unforeseen conditions.

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