



**CITY COUNCIL
COMMUNICATION:**

ITEM _____

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

98-464

SYNOPSIS —

AGENDA:

A change order in the amount of \$23,000 has been negotiated with The Underground Company, Ltd., for additional work in conjunction with the 1997 Sanitary Sewer Repair Contract No. 1. This change order will provide compensation to the contractor for construction of a new manhole to replace an existing lamphole on the sanitary sewer on 44th Street south of Ingersoll Avenue.

OCTOBER 5, 1998

SUBJECT:

**1997 SANITARY SEWER
REPAIR CONTRACT
NO. 1, CHANGE ORDER
NO. 1**

FISCAL IMPACT -

This change order will be funded from the Sanitary Sewer Fund, City-Wide Sanitary Sewers, in the Capital Improvements Budget.

TYPE:

**RESOLUTION
ORDINANCE
RECEIVE/FILE**

RECOMMENDATION -

**Approval of Change Order No. 1 with The
Underground Company, Ltd.**

SUBMITTED BY:

**HAROLD E. SMITH, P. E.
CITY ENGINEER**

BACKGROUND -

On September 21, 1998, the Public Works Department became aware of a settlement of the street surface on 44th Street just south of Ingersoll Avenue. After removal of approximately 2" of asphaltic concrete surfacing, the Public Works crews found an old lamphole at this location, which was part of the original sanitary sewer construction. These lampholes served as an access for cleaning the sanitary sewer and were constructed in lieu of full-size manholes on some of our older sanitary sewers.

After exposing the lamphole, Public Works crews were

able to observe an offset in the vertical pipe at this location that was allowing soil into the sanitary sewer and creating a void underneath the pavement. Further investigation by the Engineering Department with the remote controlled TV camera determined that the sanitary sewer main itself was in sound condition and the problem was limited to the vertical pipe on the lamphole. It was determined that to institute a repair, a new manhole would have to be constructed at this location. Because of the depth of the sanitary sewer at this location, 19 feet, the Public Works Department requested that this manhole be constructed by the Engineering Department under a contract with a private contractor with equipment large enough for this deep of an excavation.

Because of the time of the year which can cause problems with drying of soil and subsequent paving of the street surface, staff determined that the most expedient method to construct this manhole was to negotiate a change order under an existing sanitary sewer repair contract. The Underground Company, Ltd. was asked to provide a quote to provide this new manhole, and after investigating the site for possible utility conflicts, the contractor provided a quotation on Friday, October 2, 1998, to construct this new manhole for \$23,000. Staff is recommending that this change order be approved to expedite the construction of this manhole and to assure that this street can be reconstructed prior to the onset of winter weather conditions.