

COUNCIL ACTION FORM

SUBJECT: 2015/16 CLEAR WATER DIVERSION PROGRAM

BACKGROUND:

Clear water from footing drains causes overloading and backups in the sanitary sewer system, and also increases the volume of clean water that must be treated at the Water Pollution Control facility. The Clear Water Diversion program involves diverting footing drain discharge from sanitary sewers into storm sewers. This results in lower volumes of clean water needing treatment at the WPC facility, thereby decreasing operating and maintenance costs of that facility. In addition, the program addresses locations where sump pump water discharges directly over the back of curb where no storm sewer exists in the area. In winter conditions, those sump pump discharges can cause ice build-up in the curb and gutter.

The locations for the 2015/2016 Clear Water Diversion Program include Duff Avenue (5th Street to 6th Street), East 9th Street (Duff Avenue to Carroll Avenue) and McDonald Drive (Lincoln Way to the north).

At the February 23, 2016 meeting Council awarded the contract to Ames Trenching of Ames, Iowa in the amount of \$68,496.

The contractor is nearly complete with the project, but staff has identified an additional location to be added to the contract. A sump pump discharge line was installed at 2033 Ashmore Drive during the summer of 2016 and allowed to discharge over the curb as there was no storm sewer in the area.

During the winter of 2016/17 this sump discharge created an area of ice that consumed one-third of the street pavement and created a ribbon of ice all the way to Beach Avenue, the nearest downstream storm sewer. This installation will resolve the winter icing issue as well as provide access to subdrain collector to an additional seven homes which will reduce the amount of clean water that is discharged directly to the sanitary sewer system once those homes with sump pumps connect to the line.

Ames trenching has agreed to install the 412 feet of subdrain collector at the current contract prices causing an increase to the project cost by \$23,980. Funding for the change order would come from the 2016/17 Clear Water Diversion Fund in the amount of \$25,000.

Funding for the project is summarized below:

	<u>Revenue</u>	<u>Expenses</u>
12/13 Clear Water Diversion	\$ 9,000	
13/14 Clear Water Diversion	\$ 25,000	
14/15 Clear Water Diversion	\$ 25,000	
15/16 Clear Water Diversion	\$ 25,000	\$ 68,496
16/17 Clear Water Diversion (Additional Funds)	\$ 25,000	
Ashmore Drive (This Change Order)		\$ 23,980
Engineering and Administration		\$ 11,775
	<hr/> \$ 109,000	<hr/> \$ 104,251

ALTERNATIVES:

1. Approve Change Order No. 1 in the amount of \$23,980
2. Do not proceed with the change order and direct staff to pursue other options.

MANAGER'S RECOMMENDED ACTION:

By approving the change order, a winter icing situation will be corrected as well as providing other resident the opportunity to connect sumps to the collector line in the future, thus reducing the amount of clean water that would be put directly in to the sanitary sewer system.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as described above.