

October 2, 2007

Honorable Mayor and Members of
The Hermosa Beach City Council

Regular Meeting of
October 9, 2007

**PROJECT NO. CIP 05-413 SEWER IMPROVEMENTS: SEWER PIPELINE
RECONSTRUCTION, NEW SEWER PIPELINE CONSTRUCTION AND LINING
REPAIR, VARIOUS LOCATIONS - APPROVE CHANGE ORDER**

Recommendation:

It is recommended that the City Council:

1. Authorize Staff to issue a Change Order for Project CIP 05-413 Sewer Improvements for extra work encountered during the construction; and
2. Authorize the transfer of \$52,993 from CIP 07-423 (301-8423-4201) to CIP 05-413 (301-8413-4201).

Background:

On June 12, 2007, the City Council awarded the construction contract for Project No. CIP 05-413 Sewer Improvements: New Sewer Pipeline Construction and Lining Repair, Various Locations to Vasilj Construction, Inc. (Vasilj) based on their bid amount of \$435,962. The approved construction budget is \$528,124. This includes \$48,000 for contingencies.

During construction of the sewer improvements the following Extra Work was identified due to unanticipated interferences with underground utilities:

1. Porter Lane – Removal and disposal of an abandoned 4-inch cast iron pipe running within the new trench; conflict with the existing water main which interfered with the installation of the new sewer main; and difficulty locating the house connection at 661 Porter Lane. This extra work was performed on a "time and material" basis for a cost of \$5,171.
2. Palm Drive – Extensive potholing was required to locate the existing sewer and to find locations for two new sewer manholes which didn't interfere with the existing water and gas mains. Also replacement of 30 feet of sagged sewer pipe and three additional spot repairs were identified. This work will be performed on a "time and material" basis for an estimated cost of \$21,100.
3. 12th Court between Beach Drive and Hermosa Avenue (alley on north side of Parking Lot A) – The existing 10-inch sewer main in Beach Drive flows north and is reduced to an 8-inch diameter pipe within the Pier Plaza (to avoid existing utility interferences) and then expands to a 10-inch pipe north of the Plaza. This reduction in size has posed a serious problem for many years due to grease

plugging the sewer main. This line has to be routinely cleaned four times per year and we still encounter grease plug problems requiring additional cleaning.

The Sewer Improvement Project proposed a solution to this problem by installing a new 12-inch sewer main along 12th Court from Beach Drive to Hermosa Avenue to serve the commercial buildings along the north side of Lot A (from The Dragon to Bank of America). This will eliminate at least 50% of the grease load in the Beach Drive sewer. The plan was to simply intercept the existing 8-inch sewer main serving these establishments before it ties into the Beach Drive sewer and then redirect to the new 12-inch sewer flowing east to Hermosa Avenue. Unfortunately, field potholing determined that there are too many utility interferences for this to work and so we will have to remove the existing 8-inch sewer in 12th Court to allow construction of the new sewer main along the same alignment and then tie in all building sewer laterals. This extra work will be performed for the negotiated lump sum price of \$31,285 plus the potholing performed on a "time and material" basis for \$3,650.

4. Parking Lot A Trash Enclosure – Extra work includes installing a new sewer lateral from the trash enclosure to the sewer main in Beach Drive. This work is required for this year's Capital Improvement Project – Lot A Trash Enclosure (CIP 07-651). This extra work will be performed on a "time and material" basis for an estimated cost of \$8,500.

Staff has reviewed all extra work costs and determined them to be reasonable. Staff therefore recommends approval of this change order and the additional appropriation of funds.


Fiscal Impact:

To summarize:

Budgeted amount	\$508,835
Original Construction Contract amount	\$435,962
Original Inspection Contract amount	\$ 42,360
Anticipated Extra Work	\$ 69,706
Contingency (~10%)	\$ 7,000
Additional inspection services	\$ 6,800
Subtotal	\$561,828
Funding shortfall	\$52,993

Staff recommends that these funds be transferred from CIP 07-423 Various Sewer improvements (301-8423-4201).

Respectfully submitted,



Frank Senteno, P.E.
Associate Engineer

Concur:



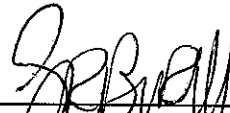
Richard D. Morgan, P.E.
Director of Public Works/City Engineer

Noted for Fiscal Impact:



Viki Copeland
Finance Director

Concur:



Stephen R. Burrell
City Manager