

May 20, 2003

Honorable Mayor and Members of  
The Hermosa Beach City Council

Regular Meeting of  
May 27, 2003

**PROJECT NO. CIP 01-159 STREET IMPROVEMENTS – HILLCREST DRIVE &  
RHODES STREET FROM 18<sup>th</sup> STREET TO 21<sup>ST</sup> STREET  
APPROVE CHANGE ORDER NO. 8**

**Recommendation:**

It is recommended that the City Council:

1. Approve Change Order No. 8 for Project CIP 01-159, Hillcrest Drive, Rhodes Street and 18<sup>th</sup> Street, for extra work encountered during the construction of storm drain improvements; and
2. Authorize additional appropriation of \$52,873.48 from the 301 Capital Improvement Fund.

**Background:**

On November 12, 2002, the City Council awarded the construction contract for Project No. CIP 01-159 Street Improvements – Hillcrest Drive & Rhodes Street from 18<sup>th</sup> St. to 21<sup>st</sup> St. to Sialic Contractors Corporation dba SHAWNAN based on their bid amount of \$323,323.00. The approved construction budget is \$356,323.00, including contingency. The contingency funds have been expended for previously issued change orders. The original scope of work did not anticipate conflicts between the storm drain construction and existing underground facilities and utilities.

Change Order No. 8 represents payment for extra work performed by Shawnan as part of placement of the new storm drain improvements on this project. The reason for this extra work is due to the following field conditions, which were not reflected on the plans:

- The existing asphalt pavement on 18th Street between PCH and Hillcrest Drive was discovered to be 9" to 10" thick instead of 4" as shown on the plans. Removal of this extra thick pavement required a heavy-duty pavement breaker and additional truckloads for disposal.
- Underground utility interferences were encountered which were not anticipated on the plans. These involved construction of four new house-sewer laterals, which interfered with the storm drain alignment. In other locations, the storm drain was lowered to avoid interference with the sewer main, water main, gas distribution line and an underground electrical power distribution line.

- An existing storm drain lateral just east of PCH on 18<sup>th</sup> Street had to be reconstructed because it was discovered to be lower than shown in the County's record drawings and therefore did not match the newly constructed storm drain improvements.

To avoid delaying the project, this extra work was performed on a "time and material" basis. Daily reports were compiled for all extra work, including labor, equipment and materials. Approval of this item has been delayed due to the slowness of submittals from the subcontractors involved. Staff has reviewed all submittals and has negotiated deductions for all questionable charges. Staff recommends approval of this final negotiated amount of \$52,873.48.

**Fiscal Impact:**

The fiscal impact will be the appropriation of \$52,873.48 from the 301 Capital Improvement Fund.

Attachment: Change Order No. 8

Respectfully submitted,

Concur:

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

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Stephen R. Burrell  
City Manager

Noted for Fiscal Impact:

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Viki Copeland  
Finance Director

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## **CONSTRUCTION CONTRACT CHANGE ORDER**

City of Hermosa Beach  
Department of Public Works

Date: May 8, 2003

Order No.: 8

Project No.: CIP 01-159

Project Title: Street Improvements – Hillcrest Drive & Rhodes Street from 18<sup>th</sup> Street to 21<sup>st</sup> Street and 18<sup>th</sup> Street from Pacific Coast Highway to Prospect Avenue

The changes or interpretations described and noted herein are hereby authorized. The signed original of this order is on file at the office of the Director of Public Works/City Engineer.

You are hereby directed to make the herein-described changes to the plans and specifications.

Note: This change order is not effective until approved by Owner, or until an authorized Field Order is executed.

**Show as separate numbered paragraphs: (1) Reason for change; (2) Description of change; (3) Change in contract cost; (4) Extension of contract, if warranted; (5) New contract total including all change orders;**

### **Storm Drain Construction Change No. 1**

- (1) The Asphalt Concrete pavement thickness to be removed for the storm drain trench was shown on the plans to be approximately 4 inches, but was actually approximately 9 to 10 inches thick on 18th Street between Pacific Coast Highway and Rhodes Street. Additional construction equipment was necessary for the pavement removal.
- (2) This change provided for the removal of the extra thick Asphalt Concrete pavement on 18th Street between Pacific Coast Highway and Rhodes Street. The pavement removal required the use of a heavy-duty pavement breaker, as well as, additional loads and dump trucks.
- (3) In order to avoid a delay to the project, the Contractor was directed to proceed with the pavement removal on the basis of Extra Work. The Contractor has submitted Daily Extra Work Reports to document the time and materials for the extra work. The change in contract cost will be in the amount of \$11,069.22, which includes all equipment, material, labor, supervision, incidentals, overhead and profit for the removal of the extra thick Asphalt Concrete pavement.
- (4) This change will extend the contract by one (1) working day, three (3) calendar days, from April 25, 2003 to April 28, 2003.

### **Storm Drain Construction Change No. 2**

- (1) This change was necessary to resolve a conflict between the new 24-inch Reinforced Concrete Pipe (RCP) storm drain and an existing 8-inch sewer main line. The sewer line was found to be higher than as indicated on record drawings.

- (2) This change provided for a change in the profile of the 24-inch RCP storm drain to go over the sewer line. Concrete collars were used to make angle points in the storm drain profile.
- (3) In order to avoid a delay to the project, the Contractor was directed to proceed with the change in the storm drain profile on the basis of Extra Work. The Contractor has submitted Daily Extra Work Reports to document the time and materials for the extra work. The change in contract cost will be in the amount of \$1,023.86, which includes all equipment, material, labor, supervision, incidentals, overhead and profit for the change in the storm drain profile.
- (4) This change will extend the contract by one (1) working day, one (1) calendar day, from April 28, 2003 to April 29, 2003.

### **Storm Drain Construction Change No. 3**

- (1) This change was necessary to replace an existing sewer house connection at 817 18th Street, which conflicted with the new 18-inch RCP storm drain. The sewer house connection was found to be higher than anticipated in the design process.
- (2) This change provided for a replacement of the sewer house connection to change the profile and resolve the conflict.
- (3) In order to avoid a delay to the project, the Contractor was directed to proceed with the change in the sewer house connection on the basis of Extra Work. The Contractor has submitted Daily Extra Work Reports to document the time and materials for the extra work. The change in contract cost will be in the amount of \$5,403.10, which includes all equipment, material, labor, supervision, incidentals, overhead and profit for the change in the sewer house connection.
- (4) This change will extend the contract by one (1) working day, one (1) calendar day, from April 29, 2003 to April 30, 2003.

### **Storm Drain Construction Change No. 4**

- (1) This change was necessary to replace an existing sewer house connection at 803 18th Street, which conflicted with the new 18-inch RCP storm drain. The sewer house connection was found to be higher than anticipated in the design process.
- (2) This change provided for a replacement of the sewer house connection to change the profile and resolve the conflict.
- (3) In order to avoid a delay to the project, the Contractor was directed to proceed with the change in the sewer house connection on the basis of Extra Work. The Contractor has submitted Daily Extra Work Reports to document the time and materials for the extra work. The change in contract cost will be in the amount of \$3,318.67, which includes all equipment, material, labor, supervision, incidentals, overhead and profit for the change in the sewer house connection.

- (4) This change will extend the contract by one (1) working day, one (1) calendar day, from April 30, 2003 to May 1, 2003.

#### **Storm Drain Construction Change No. 5**

- (1) This change was necessary to resolve a conflict between an existing sewer house connection at 1810 Rhodes Street and Lateral "B" of the new 18-inch RCP storm drain. The sewer house connection was found to be higher than anticipated in the design process.
- (2) This change provided for a replacement of the sewer house connection to change the profile and resolve the conflict.
- (3) In order to avoid a delay to the project, the Contractor was directed to proceed with the change in the sewer house connection on the basis of Extra Work. The Contractor has submitted Daily Extra Work Reports to document the time and materials for the extra work. The change in contract cost will be in the amount of \$1,141.29, which includes all equipment, material, labor, supervision, incidentals, overhead and profit for the change in the sewer house connection.
- (4) This change will extend the contract by one (1) working day, one (1) calendar day, from May 1, 2003 to May 2, 2003.

#### **Storm Drain Construction Change No. 6**

- (1) This change was necessary to resolve a conflict between a water main and a gas distribution line and Lateral "B" of the new 18-inch RCP storm drain. Both utilities were found to be higher than anticipated in the design process. The water line was relocated by the California Water Service Company, but could not be raised high enough to provide proper clearance with Lateral "B". The gas distribution line could not be relocated within a reasonable time limit.
- (2) This change provided for lowering both the storm drain Lateral "B" and the catch basin to which it is connected. The catch basin is located on the east side of Rhodes Street.
- (3) In order to avoid a delay to the project, the Contractor was directed to proceed with the change in the storm drain lateral and catch basin on the basis of Extra Work. The Contractor has submitted Daily Extra Work Reports to document the time and materials for the extra work. The change in contract cost will be in the amount of \$4,568.70, which includes all equipment, material, labor, supervision, incidentals, overhead and profit for the change in the storm drain lateral and catch basin.
- (4) This change will extend the contract by one (1) working day, one (3) calendar days, from May 2, 2003 to May 5, 2003.

### **Storm Drain Construction Change No. 7**

- (1) The Asphalt Concrete pavement thickness to be removed for the storm drain trench was shown on the plans to be approximately 4 inches, but was actually approximately 9 to 10 inches thick on 18th Street between Rhodes Street and Hillcrest Drive. Additional construction equipment was necessary for the pavement removal.
- (2) This change provided for the removal of the extra thick Asphalt Concrete pavement on 18th Street between Rhodes Street and Hillcrest Drive. The pavement removal required the use of a heavy-duty pavement breaker, as well as, additional loads and dump trucks.
- (3) In order to avoid a delay to the project, the Contractor was directed to proceed with the pavement removal on the basis of Extra Work. The Contractor has submitted Daily Extra Work Reports to document the time and materials for the extra work. The change in contract cost will be in the amount of \$7,487.84, which includes all equipment, material, labor, supervision, incidentals, overhead and profit for the removal of the extra thick Asphalt Concrete pavement.
- (4) This change will extend the contract by one (1) working day, one (1) calendar day, from May 5, 2003 to May 6, 2003.

### **Storm Drain Construction Change No. 8**

- (1) This change was necessary to resolve a conflict between a water main and a gas distribution line and the new 18-inch RCP storm drain at the intersection of 18th Street and Hillcrest Drive. Both utilities were found to be lower than anticipated in the design process. Both the water line and the gas line could not be relocated by the respective utilities within a reasonable time limit.
- (2) This change provided for lowering the new 18-inch RCP storm drain from Station 14+00 on 18th Street to Station 15+09 on Hillcrest Drive.
- (3) In order to avoid a delay to the project, the Contractor was directed to proceed with lowering the new 18-inch RCP storm drain on the basis of Extra Work. The Contractor has submitted Daily Extra Work Reports to document the time and materials for the extra work. The change in contract cost will be in the amount of \$8,132.06, which includes all equipment, material, labor, supervision, incidentals, overhead and profit for lowering the new 18-inch RCP storm drain.
- (4) This change will extend the contract by one (1) working day, one (1) calendar day, from May 6, 2003 to May 7, 2003.

### **Storm Drain Construction Change No. 9**

- (1) This change was necessary to raise the invert elevation of an existing 18-inch storm drain lateral to match that of a new manhole to which the lateral was connected. The existing lateral, which is for a catch basin on 18th Street east of

Pacific Coast Highway, was found to be higher than as indicated on record drawings.

- (2) This change provided for replacing the storm drain lateral, 15 feet long, with one having an invert at a higher elevation to match the invert elevation of the new storm drain manhole.
- (3) In order to avoid a delay to the project, the Contractor was directed to proceed with replacing the storm drain lateral on the basis of Extra Work. The Contractor has submitted Daily Extra Work Reports to document the time and materials for the extra work. The change in contract cost will be in the amount of \$5,333.64, which includes all equipment, material, labor, supervision, incidentals, overhead and profit for replacing the storm drain lateral.
- (4) This change will extend the contract by one (1) working day, one (1) calendar day, from May 7, 2003 to May 8, 2003.

#### **Storm Drain Construction Change No. 10**

- (1) This change was necessary to resolve a conflict between an underground Southern California Edison electrical power line and the new 18-inch RCP storm drain on 18th Street between Rhodes Street and Hillcrest Drive. The power line was found to be lower than anticipated in the design process and could not be relocated by the utility within a reasonable time limit.
- (2) This change provided for lowering the new 18-inch RCP storm drain from Station 12+60 to Station 13+00 on 18th Street between Rhodes Street and Hillcrest Drive.
- (3) In order to avoid a delay to the project, the Contractor was directed to proceed with lowering the new 18-inch RCP storm drain on the basis of Extra Work. The Contractor has submitted Daily Extra Work Reports to document the time and materials for the extra work. The change in contract cost will be in the amount of \$1,909.40, which includes all equipment, material, labor, supervision, incidentals, overhead and profit for lowering the new 18-inch RCP storm drain.
- (4) This change will extend the contract by one (1) working day, one (1) calendar day, from May 8, 2003 to May 9, 2003.

#### **Storm Drain Construction Change No. 11**

- (1) This change was necessary to replace an existing sewer house connection at 1801 Hillcrest Drive, which conflicted with the new 18-inch RCP storm drain. The sewer house connection was found to be higher than anticipated in the design process.
- (2) This change provided for a replacement of the sewer house connection to change the profile and resolve the conflict.



- (3) In order to avoid a delay to the project, the Contractor was directed to proceed with the change in the sewer house connection on the basis of Extra Work. The Contractor has submitted Daily Extra Work Reports to document the time and materials for the extra work. The change in contract cost will be in the amount of \$3,485.70, which includes all equipment, material, labor, supervision, incidentals, overhead and profit for the change in the sewer house connection.
- (4) This change will extend the contract by one (1) working day, three (3) calendar days, from May 9, 2003 to May 12, 2003.

**TOTAL CHANGE TO CONTRACT PRICE .....Add \$ 52,873.48**  
**REVISED CONTRACT TOTAL ..... \$ 404,623.55**  
**CHANGE TO CONTRACT TIME ..... 11 Working Days**

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This change order constitutes full and complete compensation for all labor, equipment, materials, overhead, profit, any and all indirect costs, and time adjustment to perform the above-described change. All other costs are non-compensable.

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Recommended: \_\_\_\_\_, 2003

\_\_\_\_\_  
Project Manager

Accepted: \_\_\_\_\_, 2003

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Sialic Contractors Corporation dba SHAWNAN

Authorized: \_\_\_\_\_, 2003

\_\_\_\_\_  
Director of Public Works/City Engineer

Authorized: \_\_\_\_\_, 2003

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City Manager