



Engineering Department

DATE: July 15, 2019

FROM: Gabe Schell, City Engineer

ITEM: Street Improvement District No. 523 and Sewer Improvement District No. 574

REQUEST

Consider approval of Contract Change Order No. 3

Please place this item on the 7/23/2019 City Commission meeting agenda.

BACKGROUND INFORMATION

Street Improvement District SI 523 and Sewer Improvement District SE 574 consists of one unit of new asphalt roadway and associated storm sewer in Silver Ranch First Addition Phase 1 and are under the same contract.

Change Order No. 3 is for the addition of perforated pipe in the stormwater pond.

The original design of the stormwater pond placed the outlet pipe one foot above the bottom of the pond and was intended to allow the remaining water to dissipate from the pond via infiltration. After original construction of the pond, it was found that infiltration was not occurring due to the soils in the area.

The Engineering Department, Developer and Developer's Consultant Engineer agreed that perforated pipe underdrain was required to be added to the pond to allow for complete drainage of the pond as per the approved stormwater management plan.

Change Order No. 3 is for \$103,840. Previous change orders (No. 1 and No. 2) totaling \$53,423.40 have been approved for the project. The total for Change Orders No.1 through No. 3 is \$157,263.40 which is 11.1% above the original contract and exceeds the approved contract budget of \$1,561,118.98.

Enclosed is a revised project budget including Change Orders 1 through 3. Since the project is nearing completion, the contingency has been reduced to 2%.

RECOMMENDED CITY COMMISSION ACTION

Approved Change Order No. 3 for SI 523/SE 574 in the amount of \$103,840.00 and the revised project budget.

STAFF CONTACT INFORMATION

Gabe Schell, PE | City Engineer, 355-1505 or gschell@bismarcknd.gov

CONTRACT CHANGE ORDER FORM

DEPARTMENT

| | | | |
|--------------------------|--------------------------------|--|--|
| City Department | <u>Engineering</u> | | |
| Contractor | <u>Strata Corporation</u> | | |
| Contract Number | <u>18-39</u> | Change Order Number | <u>3</u> |
| Project Number | <u>SI 523/SE 574</u> | Change Order Date | <u>7/15/2019</u> |
| Project Description | <u>Silver Ranch 1st Paving</u> | | |
| Original Contract Amount | <u>\$ 1,419,199.07</u> | Approved Contract Budget | <u>\$ 1,561,118.98</u> |
| Previous Contract Amount | <u>\$ 1,472,622.47</u> | | |
| Change Order Amount | <u>\$ 103,840.00</u> | | ACTION REQUIRED (SEE BELOW) |
| Proposed Contract Amount | <u>\$ 1,576,462.47</u> | EXCEEDS APPROVED CONTRACT | |
| Within Project Scope | YES | Within Project Funding | NO COMMISSION APPROVAL |
| Contract Completion Date | <u>8/11/2019</u> | Change in Completion Date | NO |
| Revised Completion Date* | | *If completion date changed on this Change Order | |
| Type of Change Order | <u>Design-related</u> | Work Order No(s). | |

Description:

Changes to storm water pond.

Add perforated pond to eliminate standing water in pond. Original design intended for water bottom 1 foot of water to dissipate via infiltration. It was found after original construction that the pond infiltration does not occur due to soils in the area.

City engineering and Developer agreed underdrain needed to be added to the pond to allow for water to drain from pond so as not to have standing water at all times.

Project Manager Signature (≤\$15,000) _____ **SIGN HERE**
Date

Department Head Signature (≤\$25,000) _____ **SIGN HERE**
Date

ADMINISTRATION

City Administrator Signature (≤\$50,000) _____
 Add to Commission Agenda Date

COMMISSION APPROVAL

Commission Approval Date _____
 Attach minutes for Commission Approval

**COMMISSION APPROVAL
REQUIRED**

FISCAL

Comments

REVISED PROJECT BUDGET

| | | | |
|---------------|-------------|--------------------|--|
| Number | SI523/SE574 | Description | Silver Ranch 1st Add. Paving and Storm Sewer |
|---------------|-------------|--------------------|--|

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|------------------------|----------|
| Scheduled Start | 9/4/2018 |
|------------------------|----------|

| | |
|----------------------|----------|
| Scheduled End | 8/1/2019 |
|----------------------|----------|

Project Contracts

| <u>Project Construction Contracts</u> | <u>Amount</u> |
|---------------------------------------|---------------------|
| Mariner Construction | 1,419,199.07 |
| Change Order 1 | 11,600.00 |
| Change Order 2 | 41,824.40 |
| Change Order 3 | 103,840.00 |
| Total Construction Contracts | 1,576,463.47 |

| <u>City Wide Contracts</u> | <u>Contract No.</u> | <u>Amount</u> |
|----------------------------------|---------------------|---------------|
| | | - |
| Total City Wide Contracts | | - |

Added Items by Others

Land, Easement, Other Purchases

SUMMARY

| | | |
|---------------------------------------|--|---------------------|
| TOTAL CONTRACT ITEMS | | 1,576,463.47 |
| CONTINGENCIES 2% | | 31,529.27 |
| TOTAL CONSTRUCTION COST | | 1,607,992.74 |
| Engineering 10% | | 160,799.27 |
| Administration 4% | | 64,319.71 |
| Advertising and Legal 2% | | 32,159.85 |
| Interest During Construction 3% | | 48,239.78 |
| SI523/SE574 TOTAL PROJECT COST | | 1,913,511.36 |

| <u>Project Funding</u> | <u>Amount</u> |
|------------------------|---------------------|
| Assessments | 1,913,511.36 |
| Total Funding | 1,913,511.36 |

| | |
|-------------|-----------|
| Date | 7/16/2019 |
|-------------|-----------|