

DISTRICT 1

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda

 X Resolution or Ordinance (Blue) _____ Waiver of First Requested

Recommendations of Boards, Commissions & Committees (Green)
Other Business (Pink)

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: Tim Sexton, Acting Village Manager

DATE: November 27, 2013 (COW) (B of T) **Date:** December 19, 2013

TITLE: Terrace View Pond Improvements
Change Order No. 4 (semi-final)

SUBMITTED BY: David A. Dratnol, P.E., Village Engineer *DA*

BACKGROUND/POLICY IMPLICATIONS:

Change Order No. 4 is a net increase to the contract of \$21,335.10. The change order is for the adjustment of existing contract pay items related to the construction of the Greenfield Avenue pump station facility.

FISCAL IMPACT/FUNDING SOURCE:

Current Contract Amount: \$1,329,311.43
Change Order #4: \$21,335.10 (Water/Sewer Fund)
Total Revised Contract Amount: \$1,350,646.53
P.O.# 2013-00002437
Project # SS 12 03 Phase 2 CONSTRUCTION

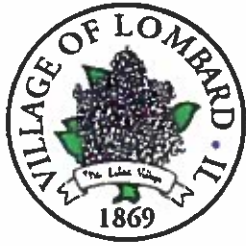
Account: 410.710.725.75350

Review (as necessary):

Village Attorney X _____ Date _____
Finance Director X _____ Date _____
Village Manager X _____ Date _____

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda Distribution.

InterOffice Memo



To: Tim Sexton, Acting Village Manager
 From: David A. Dratnol, P.E., Village Engineer *DAD*
 Through: Carl Goldsmith, Public Works Director *CG*
 Date: November 28, 2013
 Subject: Terrace View Pond Improvements
 Change Order # 4 (semi-final)

Attached please find Change Order # 4 for this project in the amount of a net increase of \$21,335.10. The change order represents adjustment to existing contract quantities related to the construction of the pump station located by Greenfield Avenue. All changes in contract quantity have been reviewed by Christopher B. Burke Engineering Ltd (CBBEL), and Village staff.

ADJUSTMENT TO EXISTING QUANTITIES

Refer to the summary sheet behind the change order form for quantity changes to contact pay items. Changes to pay items with significant increase/decreases are summarized below:

Stone Riprap, Class A3

Additional riprap was installed along various outfall points within the pond to inhibit scour/erosion. A field decision was made to increase the specified amount of riprap by the intake structure for the pump station. This will assist in the maintaining the area surrounding the intake. *Net increase of \$16,014.00*

Controlled Low-Strength Material (CLSM)

Conferring with the Village's geotechnical consultant (SEECO Consultants), additional CLSM was needed as a base material for the outfall pipe from the pond to the discharge structure. The soils within this area were not suitable to provide long term stable support for the pipe. *Net increase of \$23,748.40*

Non-Special Waste Disposal

No excavated soil that was disposed off-site meet the classification for Non-Special Waste Disposal. *Net decrease of \$15,000.00*

Trench Backfill, Special

In anticipation of poor soil conditions (per the soil borings) additional trench backfill was included in the contract by the design engineer. *Net decrease of \$9,153.00*

Temporary Soil Retention System

Due to soil conditions being more substandard than what was projected from the soil borings, additional undercut and larger over digs were needed to install the pipes and structures associated with the pump station. *Net increase of \$7,680.00*

Drop Gate

The apron and the width of the access driveway for the station were widened for improved access by the Vactor truck or any other large service vehicle. To prevent unauthorized vehicles from attempting to access the widen apron and driveway two additional drop gates were installed. *Net increase of \$4,500.00*

Canal Gate

The original gate (for the sediment structure) that was suggested to the design engineer by the supplier proved to be inappropriate for the application. Another gate was substituted, however, at an increased material cost. *Net increase of \$2,205.00*

PGE Backfill

PGE (Porous Granular Embankment) was not needed near the area around the wet well, as it had CLSM installed adjacent to it. The discharge structure (being at higher ground) was on much more stable soil than the structures near the pond's edge and did not need PGE backfill. *Net decrease of \$3,654.00*

This change order will be presented to the Public Works Committee via a phone poll. If the committee recommends approval, please present this change order to the President and Board of Trustees for their review and approval at their regular meeting on December 19, 2013. If approved, please have two signed copies returned to Engineering for further processing.

DAD/rgs

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R E S O L U T I O N
R _____

**A RESOLUTION AUTHORIZING A CHANGE ORDER
INVOLVING AN INCREASE/DECREASE IN THE DOLLAR AMOUNT OF
THE CONTRACT OF \$10,000 OR MORE AND/OR EXTENDING/ SHORTENING THE
TIME IN WHICH THE CONTRACT IS TO BE COMPLETED BY THIRTY (30) DAYS
OR MORE**

WHEREAS, pursuant to Illinois Compiled Statutes, Chapter 720, Section 5/33E-9, units of local government are required to make specific findings prior to authorizing any change order relative to a contract which would increase or decrease the dollar amount of the contract by \$10,000 or more, or would extend or shorten the time in which the contract is to be completed by thirty (30) days or more; and

WHEREAS, staff has presented and recommended the proposed Change Order No. 4 to the contract between the Village of Lombard and Martam Construction Inc. regarding the Terrace View Pond Improvements project, as attached hereto as Exhibit "A" and made part hereof, (the "Change Order") to the Corporate Authorities of the Village of Lombard; and

WHEREAS, said Change Order attached hereto as Exhibit "A" would increase the dollar amount of the contract by \$21,355.10.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: That after reviewing the explanation of staff as to the necessity of and reasons for the Change Order attached hereto as Exhibit "A", the President and Board of Trustees find as follows:

- A That the circumstances which necessitated said Change Order were not reasonably foreseeable at the time the contract was entered into.
- B. That the basis of the Change Order was not within the contemplation of the contract when the contract was signed.
- C. That it is in the best interests of the Village of Lombard to approve the Change Order in its proposed form.
- D. That to the extent that it may have been necessary to go to bid relative to the work contemplated by said Change Order; bidding is hereby specifically waived as to the Change Order work.

SECTION 2: That having made the findings set forth in Section 1 above, the President and Board of Trustees hereby approve the Change Order attached hereto as Exhibit "A", and direct and authorize the Village President and Village Clerk to execute said Change Order on behalf of the Village.

Adopted this 19th day of December, 2013, pursuant to a roll call vote as follows:

Ayes: _____

Nays: _____

Absent: _____

Approved by me this this 19th day of December, 2013, 2013.

Keith Giagnorio
Village President

ATTEST:

Janet Downer
Deputy Village Clerk

VILLAGE OF LOMBARD CHANGE ORDER

PROJECT NAME: Terrace View Pond Improvements PROJECT NO.: SS-11-01
 LOCATION: Crystal Avenue & Greenfield Avenue CHANGE ORDER: 4
 CONTRACTOR: Martam Construction, Inc. DATE: 11/19/2013
 DESCRIPTION OF CHANGE ORDER: Balancing of quantities

| | |
|--|---------------------------|
| ORIGINAL CONTRACT AMOUNT: | [1] <u>\$1,227,446.00</u> |
| TOTAL OF PREVIOUS AUTHORIZED CHANGE ORDERS: | [2] <u>\$101,865.43</u> |
| CURRENT CONTRACT AMOUNT: (([1]+[2])) | [3] <u>\$1,329,311.43</u> |
| PROPOSED CHANGE ORDER: (PENDING APPROVAL) | [4] <u>\$21,335.10</u> |
| PROPOSED REVISED CONTRACT AMOUNT: (PENDING APPROVAL) (([3]+[4])) | [5] <u>\$1,350,646.53</u> |


| | |
|--|--------------------------|
| NET OF ALL CHANGE ORDERS: (PENDING APPROVAL) (([2]+[4])) | <u>\$123,200.53</u> |
| TIME EXTENSION OR REDUCTION: | <u>None</u> |
| TOTAL CONTRACT TIME: | <u>164 calendar days</u> |
| BUDGET ESTIMATE: | <u>\$555,000.00</u> |
| ENGINEER'S ESTIMATE: | <u>\$981,654.50</u> |

RECOMMENDED FOR ACCEPTANCE :

| | | | |
|--|----------------|---------------------|------|
|  | <u>12/3/13</u> | Approved By: _____ | |
| Resident Engineer | Date | Director of Finance | Date |

| | | | |
|--|------------------|--|------|
|  | <u>12/3/2013</u> | Approved By: _____ | |
| Contractor | Date | (<small><\$10K or 25%</small>) Acting Village Manager | Date |

| | | | |
|--|------------------|---|------|
|  | <u>12/3/2013</u> | Approved By: _____ | |
| Village Engineer | Date | (<small>>\$10K or 25%</small>) Village President | Date |

| | | | |
|--|------------------|---------------|------|
|  | <u>12/3/2013</u> | Attest: _____ | |
| Director of Public Works | Date | Village Clerk | Date |

Assistant Director of Finance Date

It is understood that as part of this change order that the Contractor agrees that all bonds, permits, insurance and guarantees are hereby extended to incorporate this Change Order.

| Coded Pay Item | No. | Item | Current Quantity | Unit | Unit Price | Revised Quantity | Difference | Amount | Description |
|----------------|-----|--|------------------|-------|------------|------------------|------------|---------------|--|
| 20101200 | | TREE ROOT PRUNING | 4.0 | EACH | \$200.00 | 0.0 | (4.0) | (\$800.00) | Balancing of final quantity. |
| 20201200 | | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | 804.0 | CU YD | \$60.00 | 790.8 | (13.2) | (\$792.00) | Balancing of final quantity. |
| 25000100 | | SEEDING, CLASS 1 | 0.3 | ACRE | \$8,500.00 | 0.4 | 0.1 | \$1,105.00 | Balancing quantity to date. |
| 28000400 | | PERIMETER EROSION BARRIER | 1,700.0 | FOOT | \$3.00 | 1014.1 | (685.9) | (\$2,057.70) | Realigned silt fence to allow for more room to work. As a result the quantity was reduced. |
| 28000510 | | INLET FILTERS | 7.0 | EACH | \$140.00 | 3.0 | (4.0) | (\$560.00) | Balancing of final quantity. |
| 28100105 | | STONE RIPRAP, CLASS A3 | 86.0 | SQ YD | \$85.00 | 274.4 | 188.4 | \$16,014.00 | Balancing of final quantity. Added quantity at various outfalls, at the 2 relief sewers at Crystal Ave, and around the intake structure. |
| 28200200 | | FILTER FABRIC | 68.0 | SQ YD | \$5.00 | 328.5 | 260.5 | \$1,302.50 | Balancing of final quantity. |
| 35101600 | | AGGREGATE BASE COURSE, TYPE B 4" | 289.0 | SQ YD | \$4.00 | 245.0 | (44.0) | (\$176.00) | Balancing of final quantity. |
| 42000300 | | PORTLAND CEMENT CONCRETE PAVEMENT 8" | 143.8 | SQ YD | \$72.00 | 132.7 | (11.1) | (\$799.20) | Balancing of final quantity. |
| 44000100 | | PAVEMENT REMOVAL | 143.8 | SQ YD | \$15.00 | 160.5 | 16.7 | \$250.50 | Balancing of final quantity. |
| 44000500 | | COMBINATION CURB AND GUTTER REMOVAL | 129.0 | FOOT | \$8.00 | 160.1 | 31.1 | \$248.80 | Balancing of final quantity. |
| 44000600 | | SIDEWALK REMOVAL | 400.0 | SQ FT | \$2.00 | 397.5 | (2.5) | (\$5.00) | Balancing of final quantity. |
| 44201329 | | CLASS C PATCHES, TYPE II, 8 INCH | 15.0 | SQ YD | \$80.00 | 0.0 | (15.0) | (\$1,200.00) | Balancing of final quantity. |
| 44201741 | | CLASS D PATCHES, TYPE IV, 8 INCH | 36.0 | SQ YD | \$92.00 | 27.8 | (8.2) | (\$754.40) | Balancing of final quantity. |
| 550A0430 | | STORM SEWERS, CLASS A, TYPE 2 30" | 5.0 | FOOT | \$480.00 | 3.9 | (1.1) | (\$528.00) | Balancing of final quantity. |
| 550A0450 | | STORM SEWERS, CLASS A, TYPE 2 36" | 38.0 | FOOT | \$195.00 | 40.0 | 2.0 | \$390.00 | Balancing of final quantity. |
| 59300100 | | CONTROLLED LOW-STRENGTH MATERIAL | 311.1 | CU YD | \$128.00 | 496.4 | 185.3 | \$23,718.40 | Balancing of final quantity. Needed to undercut old CMP outlet pipe per SEECO's direction in the field. Not anticipated previously |
| 60257900 | | MANHOLES TO BE RECONSTRUCTED | 2.0 | EACH | \$1,500.00 | 1.0 | (1.0) | (\$1,500.00) | Did not pay to reconstruct the manhole opening at the old pump station outlet because minimal work was needed to patch it up. This cost was covered under the cost of the 36" PVC pipe |
| 60603800 | | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-8.12 | 129.0 | FOOT | \$40.00 | 160.1 | 31.1 | \$1,244.00 | Balancing of final quantity. |
| 66900200 | | NON-SPECIAL WASTE DISPOSAL | 100.0 | CU YD | \$150.00 | 0.0 | (100.0) | (\$15,000.00) | Did not need to use this items at all because non of the material was classified as non-special waste |
| X2080250 | | TRENCH BACKFILL, SPECIAL | 620.0 | CU YD | \$45.00 | 416.6 | (203.4) | (\$9,153.00) | Did not use the total quantity anticipated. |
| Z0084522 | | HOT-MIX ASPHALT DRIVEWAY PAVEMENT | 36.0 | SQ YD | \$50.00 | 31.8 | (4.2) | (\$210.00) | Balancing of final quantity. |
| Z0073002 | | TEMPORARY SOIL RETENTION SYSTEM | 4,040.0 | SQ FT | \$20.00 | 4424.0 | 384.0 | \$7,680.00 | Result of the deep undercuts and large overdig necessary to install the pipes and structures |
| ZZC8BEL01 | | COIR FIBER ROLL | 2,670.0 | FOOT | \$25.00 | 2664.8 | (5.2) | (\$130.00) | Balancing of final quantity. |
| ZZC8BEL07 | | PORTLAND CEMENT CONCRETE SIDEWALK, SPECIAL | 408.0 | SQ FT | \$6.50 | 397.5 | (10.5) | (\$68.25) | Balancing of final quantity. |
| ZZC8BEL08 | | DROP GATE | 2.0 | EACH | \$2,250.00 | 4.0 | 2.0 | \$4,500.00 | 2 extra drop gates were needed in the apron to the lift station because it was widened to allow the Vac-Truck to gain access to the site. |
| ZZC8BEL09 | | AGGREGATE TRAIL RESTORATION | 56.0 | SQ YD | \$15.00 | 88.4 | 32.4 | \$486.00 | Balancing of final quantity. |
| ZZC8BEL10 | | TURF REINFORCEMENT MAT | 150.0 | SQ YD | \$36.00 | 200.0 | 50.0 | \$1,800.00 | The driveway was widened to allow for the Vac-Truck to gain access to the site |
| ZZC8BEL11 | | REMOVE FLAP GATE AND CLEAN EXIST 42"x30" STORM SEWER | 1.0 | L SUM | \$2,630.00 | 0.5 | (0.5) | (\$1,209.80) | Balancing of final quantity. |

| | | | | | | | | |
|--------------|-----------------------------------|-------|-------|------------|-------|---------|--------------|---|
| ZZCBBEL18/03 | CANAL GATE | 1.0 | L SUM | \$5,500.00 | 1.4 | 0.4 | \$2,205.00 | Extra cost incurred to switch the canal gate from the C-20 to the AC-31. The C-20 gate was originally suggested by the supplier in design for this application. Then it was discovered that it would not work in the structure during construction. Then supplier suggested the AC-31. The Village of Lombard concurred with their suggestion |
| 015000/02 | DUST CONTROL WATERING | 200.0 | GAL | \$1.00 | 0.0 | (200.0) | (\$200.00) | Balancing of final quantity. |
| 221813/03 | 30" DUCTILE IRON PIPE STORM SEWER | 65.0 | FOOT | \$480.00 | 61.3 | (3.7) | (\$1,776.00) | Had to cut 3.7 feet off of one of the pipes to install. |
| AUP #6 | PGE BACKFILL | 311.0 | CU YD | \$30.00 | 189.2 | (121.8) | (\$3,654.00) | Did not have to backfill as much around the wet well and did not have to backfill around the discharge structure at all. Both of these amounts were included in the quantity added to the contract. |
| AUP #7 | 3,000 PSI CONCRETE BASE | 43.0 | CU YD | \$162.00 | 42.7 | (0.3) | (\$48.60) | Balancing of final quantity. |
| AUP #8 | RS 380# ROAD FABRIC | 417.0 | SQ YD | \$5.00 | 463.4 | 46.4 | \$232.00 | Balancing of final quantity. |
| AUP#10 | CA7 BACKFILL | 139.0 | CU YD | \$52.70 | 154.5 | 15.5 | \$816.85 | Balancing of final quantity. |
| AUP#11 | BEDDING STONE | 61.0 | CU YD | \$45.00 | 60.2 | (0.8) | (\$36.00) | Balancing of final quantity. |

TOTAL AMOUNT = \$21,335.10