

**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:** October 1, 2013 (COW) (B of T) **Date:** October 17, 2013

**TITLE:** Terrace View Pond Improvements  
Change Order No. 3

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

**BACKGROUND/POLICY IMPLICATIONS:**

Change Order No. 3 is a net increase to the contract of \$13,537.20. The change order is for the adjustment of existing contract items and the establishment of three (3) new unit prices related to the construction of the Greenfield Street pump station facility.

**FISCAL IMPACT/FUNDING SOURCE:**

Current Contract Amount: \$1,315,774.23  
Change Order #3: \$13,537.20 (Water/Sewer Fund)  
Total Revised Contract Amount: \$1,329,311.43  
P.O.# 2013-00002437  
Project # SS 12 03 Phase 2 CONSTRUCTION

Account: 410.710.725.75350

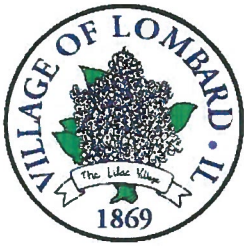
Review (as necessary):

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 *DA*  
 Through: Carl Goldsmith, Public Works Director *CG*  
 Date: October 1, 2013  
 Subject: Terrace View Pond Improvements  
 Change Order # 3

Attached please find Change Order # 3 for this project in the amount of a net increase of \$13,537.20. The change order represents adjustment to existing contract quantities and new pay items associated with the construction of the pump station located by Greenfield Avenue. All authorized unit prices (AUP) and 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 are summarized below:

Background: Pay items PGE Backfill (AUP #6) and 3,000 PSI Concrete Base (AUP #7) were added to the contract in Change Order #2. Based on soil borings, soil conditions encountered during the initial excavation and consultation with the geotechnical engineer, a deep large footing/foundation was going to be needed under the new Pump Station and Discharge Structure. When the Discharge Structure location was excavated, soil conditions were more favorable than forecasted. Thus the large 3,000 PSI Concrete Base under the Discharge Structure was eliminated. As a result, the area of excavation for the Discharge Structure was reduced and did not require the estimated PGE Backfill.

#### **AUP#6 PGE Backfill**

Refer to the explanation given above. *Net reduction of \$1,611.00*

#### **AUP #7 3,000 PSI Concrete Base**

Refer to the explanation given above. *Net reduction of \$6,852.60*

#### **20201200 Removal and Disposal of Unsuitable Material**

Refer to the explanation given under new Pay Items. *Total increase in cost for this pay item is \$8,340.00*

#### **Z28100105 Stone Rip Rap, Class A3**

Additional rip rap (stone) will be needed to stabilize the area directly in front of the old pump station structure. The former pump station structure will now serve as an overflow intake structure. The rip rap will help prevent silt from washing into the storm sewer system. *Total change in cost for this pay item is \$1,513.00*

### **NEW PAY ITEMS:**

Background: The site design calls for a Turf Reinforcement Mat (TRM) service drive to be installed adjacent to Sediment Chamber and Pump Station. Existing soil conditions will not properly support the weight of the service vehicles utilizing the service drive. Significant long term settlement and rutting would occur. Christopher B. Burke Engineering Ltd. (resident and design engineer) and village staff determined that the TRM required an undercut so a proper base could be established. A two (2) foot undercut will be made, generating an increase to the pay item Removal and Disposal of Unsuitable Material. Once the undercut is made a layer of RS 380i fabric (a woven geo-synthetic material used for soil stabilization and base course reinforcement) will be placed. This will be followed by 14 inches of CA7 backfill, a 2nd layer of RS 380i, and 10 additional inches of CA7 backfill.

**AUP #9 RS 380 Road Fabric**

Refer to the explanation given above. *Net increase of \$2,083.30*

**AUP#10 CA7 Backfill**

Refer to the explanation given above. *Net increase of \$7,319.50*

**AUP #11 Bedding Stone**

This item was added to the contract for the areas under pipe and various structures that were undercut and filled with bedding stone instead of Controlled Low Strength Material (CLSM). CLSM is \$128.00 per cubic yard. CA7 is \$52.70 per yard. A savings of \$4,593.30 resulted by changing the material. CLSM quantities will not be finalized until the final balancing change order. *Total cost for pay item is \$2,745.00*

This change order will be presented to the Public Works Committee on October 8, 2013. 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 October 17, 2013. If approved, please have two signed copies returned to Engineering for further processing.

DAD/rgs

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**RESOLUTION**  
**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. 3 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 \$13,537.20.

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.

Resolution \_\_\_\_\_  
Page 2

Adopted this 17th day of October, 2013, pursuant to a roll call vote as follows:

Ayes: \_\_\_\_\_

Nays: \_\_\_\_\_

Absent: \_\_\_\_\_

Approved by me this 17th day of October, 2013.

\_\_\_\_\_  
**Keith Giagnorio**  
**Village President**

ATTEST:

\_\_\_\_\_  
**Sharon Kuderna**  
**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: 3

CONTRACTOR: Martam Construction, Inc.

DATE: 9/27/2013

DESCRIPTION OF CHANGE ORDER: Implementation of Turf Reinforcement Mat undercut and addition Rip Rap

ORIGINAL CONTRACT AMOUNT: [1] \$1,227,446.00

TOTAL OF PREVIOUS AUTHORIZED CHANGE ORDERS: [2] \$88,328.23

CURRENT CONTRACT AMOUNT: ([1]+[2]) [3] \$1,315,774.23

**PROPOSED CHANGE ORDER: (PENDING APPROVAL)** [4] \$13,537.20

PROPOSED REVISED CONTRACT AMOUNT: (PENDING APPROVAL) ([3]+[4]) [5] \$1,329,311.43

NET OF ALL CHANGE ORDERS: (PENDING APPROVAL) ([2]+[4]) \$101,865.43

TIME EXTENSION OR REDUCTION: 0

TOTAL CONTRACT TIME: 164 calendar days

BUDGET ESTIMATE: \$555,000.00

ENGINEER'S ESTIMATE: \$981,654.50

**RECOMMENDED FOR ACCEPTANCE :**

 9/27/13 Date Approved By: \_\_\_\_\_ Date  
Resident Engineer Director of Finance

 9/27/2013 Date Approved By: \_\_\_\_\_ Date  
Contractor (<\$10K or 25%) Acting Village Manager

 10/1/13 Date Approved By: \_\_\_\_\_ Date  
Village Engineer (>\$10K or 25%) Village President

 10/1/13 Date Attest: \_\_\_\_\_ Date  
Director of Public Works Village Clerk

\_\_\_\_\_  
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.**

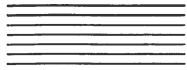
Terrace View Pond Improvements  
Change Order #:

3

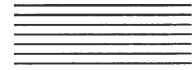
9/27/2013

Coded Pay Item	No.	Item	Current Quantity	Unit	Unit Price	Revised Quantity	Difference	Amount	Description
AUP#6		PGE Backfill	365	CY	\$30.00	311	-54	(\$1,611.00)	Backfill necessary to prevent future settlement over the 30" DIP and around structures that was not needed
AUP#7		3,000 PSI Concrete Base	85	CY	\$162.00	43	-42	(\$6,852.60)	Change of base under the Discharge Structure to decrease the size and cost of the base that was not needed due to good ground conditions
AUP #9		RS 380i Road Fabric	0	SY	\$5.00	417	417	\$2,083.30	Fabric placed under the Turf Reinforcement Mat (TRM), within the CA7 backfill, to provided needed stability to the TRM
AUP #10		CA7 Backfill	0	CY	\$52.70	139	139	\$7,319.50	Backfill material needed to undercut the TRM to provide a stable base.
AUP #11		Bedding Stone	0	CY	\$45.00	61	61	\$2,745.00	Material placed in the undercut areas beneath pipes and structures that were not filled with Contrilled Low Strength Material.
20201200		Removal and Disposal of Unsuitable Material	665	CY	\$60.00	804	139	\$8,340.00	Removal and disposal of unsuitable material underneath the TRM .
28100105		Stone Rip Rap, Class A3	68	SY	\$85.00	86	18	\$1,513.00	Extra Rip Rap needed to stabilize the area in front of the old pump station structure.

TOTAL AMOUNT = \$13,537.20



# MARTAM CONSTRUCTION, INC.



General Contractors & Engineers



September 26<sup>th</sup> 2013

Terrace View Pond Improvements, Lombard

David,

Martam Construction, Inc propose the following AUP –

AUP #9 -

RS 380i road fabric @ \$5.00

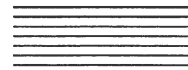
Sincerely,

Edward Ismail  
Senior Project Manager





# MARTAM CONSTRUCTION, INC.



General Contractors & Engineers



September 26<sup>th</sup> 2013

Terrace View Pond Improvements, Lombard

David,

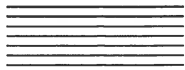
Martam Construction, Inc propose the following AUP –

AUP #10-

CA7 Backfill @ \$52.70

Sincerely,

Edward Ismail  
Senior Project Manager



# MARTAM CONSTRUCTION, INC.



General Contractors & Engineers



September 26<sup>th</sup> 2013

Terrace View Pond Improvements, Lombard

David,

Martam Construction, Inc propose the following AUP –

AUP #11-

Bedding Stone @ \$45.00

Sincerely,

Edward Ismail  
Senior Project Manager