

**DISTRICT 4**

**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:** Scott Niehaus, Village Manager

**DATE:** September 4, 2019 (COW) (B of T) **Date:** September 19, 2019

**TITLE:** Central Pressure Adjusting Station Improvements  
Change Order No. 7 (Semi-Final)

**SUBMITTED BY:** David P. Gorman, P.E., Assistant Director of Public Works *DPG*

**BACKGROUND/POLICY IMPLICATIONS:**

Change Order No. 7 is a net increase of \$22,865.10. This Change Order addresses changes to the Commuter Parking Lot and Central Pressure Adjusting Station.

**FISCAL IMPACT/FUNDING SOURCE:**

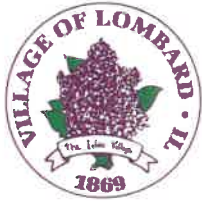
Current Contract Amount: \$2,457,227.65  
Change Order #7: \$22,865.10  
Total Revised Contract Amount: \$2,480,092.75  
Project #: WA 17-01  
PO #: 2019-00000326  
Account: Water/Sewer Capital Reserve 520.790.715.75420

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:** Scott Niehaus, Village Manager  
**From:** David Gorman, P.E., Assistant Director of Public Works *DGA*  
**Through:** Carl Goldsmith, Public Works Director *CG*  
**Date:** September 4, 2019  
**Subject:** Central Pressure Adjusting Station Improvements  
 Change Order No. 7 (Semi-Final)

Attached please find Change Order No. 7 for this project in the amount of a net increase of \$22,865.10 This change order represents a total of sixteen (16) new Authorized Unit Price items (AUP).

### SITWORK

Contractor billing WCD-034 is related to an unmarked 6-inch diameter clay pipe. This pipe was not on identified the Village's utility atlas. The nature of the pipe could not be determined by Engineering nor Underground Utility staff. Most likely the pipe is a drain tile connected to the storm sewer system servicing an undermined area in the vicinity of the of the alley between Main Street, the Commuter Parking Lot and the adjacent Orthodontist office parking lot. As the pipe appeared to be in service, it was reconnected rather than plugged.

*Total Cost = \$2,359.80 and a one-calendar day time extension*

Contractor billing WCD-035 resulted from the contractor encountering an unmarked water service to the 9 – 15 North Main Street building. This was a second service line to the facility not in the Village records. A temporary fix to stop the leak was completed. The excavation was then backfilled. A new service could not be connected to the new water main as the new main was not yet approved for service. Backfilling the excavation allowed building tenants access and let the planned storm sewer work proceed. The billing also includes excavating to install a new 1.5" copper water service (Labor and materials were covered under a Change Order #4) and to repair a section of the building foundation related to the installation of the new copper service.

*Total Cost = \$5,429.73 and a two-calendar day time extension*

WCD-036 is a time and material billing for work related to suspended water main work on the east side of North Main Street (WCD-018 CO #4). Work had to be scheduled and coordinated with the condo building at 33 North Main Street. This involved shutting down water service to the entire building, including having the building's plumber shut valves down within the building. Work began the morning of May 2<sup>nd</sup>, however the rain storms arrived earlier than predicted and became more intense as the work progressed. Working within the trench became unsafe. The billing is for time for plating the excavation and suspending operations. A material credit for flanged pipe is also part of the billing. This material was not needed as called out in WCD-018.

*Total Cost = \$2,783.39*

Contractor billing WCD-039 is for water main modifications in southbound lanes of North Main Street. While doing the planned water main work (from CO #4) in the northbound lanes of North Main Street, it was discovered that the configuration of the water main network differed from the utility atlas. This necessitated that existing connection between the two water mains be eliminated as the new connection would have left a "dead end" section of old sand cast water main traversing Main Street. Work involved exposing, cutting and capping the water main on in the southbound lanes. Costs also included pavement removal and trench backfill.

*Total Cost = \$10,355.41 and a one calendar day time extension*

WCD-049 is a credit for the elimination of a 12" Valve and Valve Vault. The 12" Valve Vault and Valve included in WCD-018 (CO #4) was deemed unnecessary by Village staff. While completing the other work associated with WCD-018, a field change by Village staff was made to swap the 72" Valve Vault to a 60" Valve Vault. The cost to unload, re load and return the valve vault is included as part of this billing.

Total Cost = (\$4,801.00)

WCD-050-is a net credit related to field changes related to the storm sewer system. An existing 72 foot run of ductile iron storm sewer pipe was left in place. Village staff determined that the pipe was in good condition and did not have to be replaced. Two catch basins were also left in place, however they required minor modifications to accommodate new pipe and pavement grades. Another existing catch basin required a new 48" diameter cone section, which was taken from a new structure. A barrel section and flat top were added to the new structure. To comply with the IEPA permit, a section of concrete pipe had to be replaced with water quality pipe (C-900). The material cost is included but no extra labor is associated with the work. Lastly, Village staff decided to not replace a run of storm sewer that daylight to the east of the parking lot by the fire station. The pipe was flushed out by Village staff and will be kept on a preventative maintenance schedule.

Total Cost = (\$3,964.64)

WCD-051 is for furnishing and installing five (5) additional rubber curb stops. Originally there was a cross-access point between the Orthodontist's parking lot and the commuter parking lot. Once the first group of curb stops were installed, the Orthodontist expressed his desire to discontinue the cross-access point. Village staff was always in favor of eliminating the cross-access point, however records could not reveal who installed the original concrete curb stops or if there was an existing agreement, so the original configuration was kept. Now the ribbon curb and curb stops are on Village property and delineation of ownership is clear.

Total Cost = \$453.91

#### **CENTRAL PRESSURE ADJUSTING STATION BUILDING**

Contractor billing WCD-033 is for HVAC diffuser modifications. The designer specified 24" X 24" diffusers in the drawings and specification. However, the 24" X 24" diffusers could not be accommodated in the specified truss configuration. Instead, 12" x 12" diffusers were installed in lieu of the 24" x 24" size. The cost includes removing actuators from the 24" x 24" diffusers and setting them in the 12" x 12" diffusers. Lastly the 24" x 24" diffusers could not be returned to the supplier. Village staff is pursuing reimbursement from the design engineer.

Total Cost = \$783.67 and a one calendar day time extension

Contractor billing WCD-0040 was to furnish and install a wireless radio transmission system (with antenna) required to monitor the fire alarm system. Monitoring of the fire alarm system by SCADA (as called out in the contract documents) is no longer permissible by code. This was brought to Public Works attention during an inspection of the facility by the Building Division of Community Development.

Total Cost = \$1,647.95 and a one calendar day time extension

WCD-041 is for the relocation of the furnace in the Mechanical Room. Due the limited space in the Mechanical Room, the furnace had to be hung from the building trusses to comply with code separation requirements. Work also included the drip pan and condensate drain line.

Total Cost = \$1,721.30 and a one calendar day time extension

Contractor billing WCD-042 is for additional painting of the wet sprinkler piping system. The painting requirement was added in addendum #2. The drawing notes indicated the piping should be installed in the concealed attic space with insulation over the top of the pipe. The fire suppression piping was approved to be installed below the drywall ceiling in various rooms. A field decision was made to differentiate the three exposed piping systems (natural gas, water and fire suppression) by color. The fire suppression lines were painted safety red throughout the building for identification purposes.

Total Cost = \$1,835.40 and a two-calendar day time extension

Billing WCD-043 is for the installation of a Water Heater Disconnect. A disconnect for the tankless electric water heater was required by the Building Division Inspector. A disconnect is located in the mechanical room, however, by code a disconnect must be located adjacent to the unit for safety purposes.

Total Cost = \$734.53 and a one calendar day time extension

Billing WCD-044 is for additional CAT-5 Cables from Central Pressure Station to Fire Station. Two CAT-5 Cables that were not shown on the contract drawings needed to be pulled from the Central Pressure Adjusting Station to the Fire Station. Imperial Surveillance, the Village's security contractor requested the dedicated lines for the security system. To lower costs, the additional CAT-5 Cables were supplied by the Village.

Total cost = \$968.99 and a one calendar day time extension

Billing WCD-045 is to install a security cabinet. A security cabinet (provided by the Village) was installed above the SCADA cabinet. Power was also supplied to the security cabinet from the SCADA cabinet. This additional work was related to building security being performed by Imperial Surveillance. This was work that was contracted separately by the Village. IT required a network rack in order to install a UPS, network switch, Wi-Fi router and patch panel. The cabinet also serves as a termination point for all internet connections within the lab and for the solar panel system.

Total cost = \$1,074.34 and a one calendar day time extension

Contractor billing WCD-046 is for the installation of Solar Panel Communication Cable. The scope of work included installing a CAT-5 communication cable from the SCADA panel to the solar panel. At the time the Village incorporated Change Order #1 to add the solar panel system, both the designer and Village staff were unaware of the ability to monitor the system via internet. This work was recommended by Continental (solar sub-contractor) for remote monitoring of the solar panels. The Village provide the CAT-5 cable.

Total cost = \$517.48 and a one calendar day time extension

Contractor billing WCD-048 is for supplying and installing overflow screens. Screens were not called out on the drawings. The Water/Sewer Pumping Division requested that screens be installed to prevent bugs and rodents from entering the piping system.

Total cost = \$938.04 and a one calendar day time extension

Central Pressure Adjusting Station Improvements  
Change Order No. 7  
Legistar: 190382

September 4, 2019

This change order will be presented to the Public Works Committee on September 10th. 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 September 19, 2019. If approved, please have a signed copy returned to Engineering for further processing.

DG/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. 7 to the contract between the Village of Lombard and Joseph J. Henderson & Son, Inc. regarding the Central Pressure Adjusting Station 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 \$22,865.10.

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 September, 2019, pursuant to a roll call vote as follows:

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

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

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

Approved by me this 19th day of September, 2019.

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

ATTEST:

\_\_\_\_\_  
**Sharon Kuderna**  
**Village Clerk**

# VILLAGE OF LOMBARD CHANGE ORDER

PROJECT NAME: Central Pressure Adjusting Station Improvements PROJECT NO.: WA 17 01  
 LOCATION: 20 East St. Charles Road CHANGE ORDER: 7  
 CONTRACTOR: JJ Henderson & Son DATE: 09/04/19  
 DESCRIPTION OF CHANGE ORDER: Sitework and Building modifications

ORIGINAL CONTRACT AMOUNT:	[1] <u>\$2,093,000.00</u>
TOTAL OF PREVIOUS AUTHORIZED CHANGE ORDERS:	[2] <u>\$364,227.65</u>
CURRENT CONTRACT AMOUNT: ((1)+[2])	[3] <u>\$2,457,227.65</u>
PROPOSED CHANGE ORDER: (PENDING APPROVAL)	[4] <u>\$22,865.10</u>
PROPOSED REVISED CONTRACT AMOUNT: (PENDING APPROVAL) ((3)+[4])	[5] <u>\$2,480,092.75</u>

NET OF ALL CHANGE ORDERS: (PENDING APPROVAL) ((2)+[4])	<u>\$387,092.75</u>
TIME EXTENSION OR REDUCTION:	<u>14 Calendar Days</u>
TOTAL CONTRACT TIME:	341 (296+12+7+11+15) Calendar Days
BUDGET ESTIMATE: (Demolition & Parking Lot/PA Station)	<u>\$2,475,000.00</u>
ENGINEER'S ESTIMATE: (Demolition & Parking Lot/PA Station)	<u>\$2,075,000.00</u>

**RECOMMENDED FOR ACCEPTANCE :**

<u>Ray Schwalb</u>	09/04/2019	Approved By:	
Resident Engineer	Date	Director of Finance	Date
<u>JJ Henderson</u>	9/6/2019	Approved By:	
Contractor	Date	(-<\$10K or 25%) Village Manager	Date
<u>[Signature]</u>	9/6/19	Approved By:	
Village Engineer	Date	(>\$10K or 25%) Village President	Date
<u>[Signature]</u>	9/9/19	Attest:	
Director of Public Works	Date	Village Clerk	Date
<u>[Signature]</u>	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.



Central Pressure Adjusting Station Improvements  
Change Order #: 7

No.	Item	Current Quantity	Unit	Unit Price	Revised Quantity	Difference	Amount	Description
WCD-033	Diffuser Modifications	0.0	L. SUM	\$783.67	1.0	1.0	\$783.67	Furnish and install 12" x 12" VAV Diffusers in lieu of the 24" x24" VAV Diffusers specified.
WCD-034	Unmarked Sewer Crossing	0.0	L. SUM	\$2,359.80	1.0	1.0	\$2,359.80	Repair an unmarked 6" clay pipe while excavating during the installation of new water main (in the alley).
WCD-035	9 - 15 N Main Street Water Service Line	0.0	L. SUM	\$5,429.73	1.0	1.0	\$5,429.73	Work associated with identifying the pipe, repairing the leak and doing temporary restoration.
WCD 036	Cut & Abandon Water Main Pipe Through Alley & Across Main Street	0.0	L. SUM	\$2,783.39	1.0	1.0	\$2,783.39	Suspension of work and material credit
WCD-039	Water main work on west side line SB Lanes of N Main Street	0.0	L. SUM	\$10,355.41	1.0	1.0	\$10,355.41	Capping the section of water main crossing N Main Street, including pavement removal and trench backfill.
WCD-040	Fire Alarm Radio	0.0	L. SUM	\$1,674.75	1.0	1.0	\$1,674.75	Monitoring of the fire alarm system by SCADA is no longer permissible by code, a radio transmission installed instead.
WCD-41	Furnace Relocation	0.0	L. SUM	\$1,721.30	1.0	1.0	\$1,721.30	Compliance with code requirements.
WCD-042	Painting of the Wet Sprinkler Piping System.	0.0	L. SUM	\$1,835.40	1.0	1.0	\$1,835.40	Additional painting of the wet sprinkler piping system for identification purposes.
WCD 043	Water Heater Disconnect	0.0	L. SUM	\$734.53	1.0	1.0	\$734.53	Installation of a disconnect adjacent to the tankless water heater as required by Village Code..
WCD-044	CAT-5 Cables from Central Pressure Station to Fire Station	0.0	L. SUM	\$968.99	1.0	1.0	\$968.99	Dedicated lines to complete the security system.
WCD-045	Install a Security Cabinet	0.0	L. SUM	\$1,074.34	1.0	1.0	\$1,074.34	This additional work was related to building security and IT requirements.
WCD-046	Solar Panel Communication Cable	0.0	L. SUM	\$517.48	1.0	1.0	\$517.48	Installing a CAT-5 communication cable from the SCADA panel to the solar panel.
WCD -048	Overflow Screens	0.0	L. SUM	\$938.04	1.0	1.0	\$938.04	Supply and install overflow screens.

Central Pressure Adjusting Station Improvements  
Change Order #: 7

9/4/2019

No.	Item	Current Quantity	Unit	Unit Price	Revised Quantity	Difference	Amount	Description
WCD 049	Delete 12" Valve & Valve Vault	0.0	L. SUM	(\$4,801.00)	1.0	1.0	(\$4,801.00)	Elimination of 12" Val and vault and return of 72" valve vault .
WCD-050	Storm Sewer Changes	0.0	L. SUM	(\$3,964.64)	1.0	1.0	(\$3,964.64)	Storm sewer field changes.
WCD-051	Additional rubber curb stops	0.0	L. SUM	\$453.91	1.0	1.0	\$453.91	Elimination of cross-access between Orthodontist Office and Commuter Parking Lot.

**TOTAL AMOUNT = \$22,865.10**