

**CHANGE ORDER NO. 1**

Owner: Lake County Department of Public Works

Date: April 14, 2011

Project Vernon Hills NCT WWTP Improvements . (PO# 107202)

Owner's Contract No. PW 2009.080

Consultant: Rezek Henry Meisenheimer & Gende (RHM&G)

Date of Contract Start November 19, 2010

\$ 158,278.00

You are directed to make the following changes in the Contract Documents. Description:

Perform additional engineering services as described in RHM&G proposal letter dated April 14, 2011

Reason for Change Order:

LCPW Operations division requested additional treatment plant replacements / repairs. These replacements / repairs require additional engineering services as described in RHM&G letter.

Days)	CONTRACT PRICE		CONTRACT TIMES (Calendar	
			To substantial completion	
	Original:	\$ <u>158,278.00</u>	Original:	<u>Nov 2009</u>
	Previous COs (ADD/DEDUCT):	\$ <u>0</u>	Previous COs (ADD/DEDUCT):	
	This C.O. (ADD/DEDUCT):	\$ <u>15,763.00</u>	This CO (ADD/DEDUCT):	
	Contract Price with all approved Change Orders:	\$ <u>174,041.00</u>	REVISED:	
			Original Completion Date:	
			Revised Completion Date:	<u>Dec 2011</u>

THIS DOCUMENT SHALL BECOME AN AMENDMENT TO THE CONTRACT AND ALL STIPULATIONS AND COVENANTS OF THE CONTRACT SHALL APPLY HERETO.

APPROVED:

By:

Peter E. Roll  
Owner (Authorized Signature)

Date

4-20-2011

ACCEPTED:

By:

[Signature]  
Consultant (Authorized Signature)

Date

4/14/11

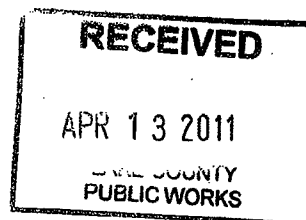
NOTE: OWNER is required to complete a Change Order Authorization form if change decrease or increase is for \$10,000 or more, or time of completion is 30 days or more.



## Rezek, Henry, Meisenheimer and Gende, Inc.

CONSULTING ENGINEERS

April 14, 2011



Mr. Chuck DeGrave, P.E.  
Principal Engineer  
Lake County Public Works Department  
650 Winchester Road  
Libertyville, IL 60048

Re: Proposal for Engineering Services  
NCT WWTP Improvements  
Project No. 21102030

Dear Mr. DeGrave:

Pursuant to your request, we are pleased to submit this proposal to perform additional scope engineering services relative to the subject project.

In your email dated February 17, 2011, you forwarded an email from Austin McFarlane identifying the following additional scope items:

1. Building 63 - Replace the existing overhead roll-up door on the west side of the building, which is used for chemical deliveries. An existing steel beam near the top of the door opening from an old monorail when chlorine cylinders were used will make for a tight fit.
2. Building 81 Improvements
  - a. Add a new roll-up door on the south side of the building. The door opening should be wide enough for two vehicles and high enough to accommodate the hoist mounted on the back of the new plow truck (Vehicle #247). Installation of this door will require structural wall modifications, floor plumbing modifications, roof drain modifications, an apron/driveway approach, interior floor repairs, and relocation of an AC unit to the building roof.
  - b. Relocate the existing unit heater from the shop area to the center truck bay to provide backup heating for the existing truck bay system. This will require modifications to the hot water lines from the boiler and relocation of electrical conduits and the thermostat.
  - c. Roofing repairs over the truck bay in accordance with the Dixon Engineering Report dated June 3, 2010. This will include flashing repairs at the wall along the second floor press room and repairs at the air handler in the center truck bay location.



Mr. Chuck DeGrave, P.E.  
Principal Engineer  
Lake County Public Works Department  
Re: Proposal for Engineering Services  
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April 14, 2011  
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3. Replace the scum pumps control panel for Clarifiers 4 and 5. This is a duplex pump station with 2 HP, 3 phase, 480 volt pumps. The new panel will be NEMA 3R, stainless steel. Old temporary wiring will be replaced and the panel will be wired into the SCADA system. The existing float control system will be reused.
4. Replace the roof on Building 46. The existing roof consists of a 4-ply built up roof with 1.5-inch rigid board insulation and pea gravel ballast. There are two existing roof drains with metal coping/flashing.

At our Technical Memorandum Review Meeting on March 8, 2011, and in subsequent clarifying emails and telephone conversations, we were directed to incorporate the following additional scope items associated with the Effluent Filters Building 55:

5. Replace two existing roll-up doors with new 12-foot wide chain fall operated roll-up doors.
6. Repaint the interior walls and ceiling within the entire filter building.
7. Replace, reposition and lower the lighting fixtures within the portion of the building to house the new disc filters, including new wiring and switches.
8. Replace additional Filter Building electrical items in need of repair as determined by LCPWD electricians.
9. Install a man door between Filter Cells 5 and 6 and the new disc filters.

Finally, the original project scope included adding new access hatches in the fiberglass covers for the Battery 71(B) and 75(A) Digesters for vector truck suction hose access. It was subsequently decided that these openings are not required. Therefore, the engineering time associated with this task will not be required.

The enclosed Exhibit A presents the manpower and fee requirements associated with the above described additional scope items. Based on this information, we hereby respectfully request a contract amendment to increase our fee limit on this project by \$15,763. Because the scope of work in Item No. 8 is not well defined at this time, we agreed that if the engineering time associated with this task exceeds



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Principal Engineer  
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the hours included in Exhibit A, that we would be entitled to additional compensation.

Please contact me if you have any questions or wish to discuss this in more detail.

Sincerely yours,

REZEK, HENRY, MEISENHEIMER AND GENDE, INC.

William R. Rickert, P.E., BCEE  
President

WRR/amd

Enclosure

