

Low Pressure Reverse Osmosis Water Treatment Plant



VILLAGE *of* WESTERN SPRINGS
COOK COUNTY, ILLINOIS

Western Springs Water Department
614 Hillgrove Avenue
Western Springs IL 60558

Monthly Progress Report #22

August 2013





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September 1, 2013

Mr. Matthew Supert
Director of Municipal Services
Village of Western Springs
740 Hillgrove Avenue
Western Springs, IL 60558

Subject: Village of Western Springs
Low Pressure Reverse Osmosis Water Treatment Plant
Monthly Construction Progress Report No. 22

Dear Mr. Supert:

We herewith submit our Progress Report No. 22 for the construction of the Low Pressure Reverse Osmosis Water Treatment Plant for the Village of Western Springs covering the one month period from August 1, 2013 through August 31, 2013.

1. *Overview and Status of the Work*

The Low Pressure Reverse Osmosis Water Treatment Plant for the Village of Western Springs project consists of the demolition of the existing water treatment process and installation of a Low Pressure Reverse Osmosis (LPRO) Water Treatment Plant. This includes the demolition of mechanical and electrical equipment, piping, HVAC, roofs, walls, floors, etc. It also includes the installation of roofs, walls, floors, pumps, piping, electrical equipment, chemical tanks, an iron removal system and a LPRO membrane filtration system.

In the past month, Joseph J. Henderson & Son, Inc. has;

- Finished installing and testing the fire protection system.
- Insulating potable water piping.
- Installing doors.
- Continued progressing with submitting Change Orders.

2. *Scheduled Upcoming Work/September, 2013*

In the next month, Joseph J. Henderson & Son, Inc. plans to;

- Continue with punchlist items.
- Continue installing finishes in the facility.
- Continue with finishing Change Orders.

3. *Project Schedule*

The June 2013 Construction Schedule update indicates the project's final completion date is shown as June 21, 2013. The project is behind schedule and the Contractor may be assessed liquidated damages based upon the contractual completion date of March 19, 2013.

▪ Contract Execution Date	June 15, 2011
▪ Phase 1 Completion Date (Contractor Mobilization Date)	November 7, 2011
▪ Total Time Expended	145 days
▪ Percent Total Time Complete	100.00%
▪ Phase 2 Completion Date	October 26, 2012
▪ Total Time Expended	355 days
▪ Percent Total Time Complete	100.00%
▪ Phase 3 Completion Date	January 8, 2013
▪ Total Time Expended	74 days
▪ Percent Total Time Complete	100.00%
▪ Phase 4 Completion Date	March 19, 2013
▪ Total Time Expended	70 days
▪ Percent Total Time Complete	100.00%
▪ Phase 5 Completion Date (Final Completion Date)	March 19, 2013
▪ Total Time Expended	0 days
▪ Percent Total Time Complete	100.00%
▪ Total Construction Duration (Final Completion)	499 calendar days
▪ Total Time Expended	666 days
▪ Percent Total Time Complete	133.27%
▪ Approved Time Extensions	45 days

4. *Construction Costs and Progress Payments*

Applications for Progress Payments will be submitted each month by Joseph J. Henderson & Son, Inc. to commensurate with the work performed. The following is a summary of progress payments.

▪ Total Construction Price	\$6,627,820.00
▪ Amiad Equipment Price (Owner Supplied)	\$ 497,820.00
▪ JHenderson's Contract Price	\$6,130,000.00
▪ Approved Change Orders (JJH)	\$ 143,015.22
▪ Approved Change Order Percentage (JJH)	2.33%
▪ Completed To Date (JJH)	\$6,180,396.79
▪ Percent Completed To Date (JJH)	98.5%

5. *Pending Action Items and Issues*

- **Change Order #13: Waiting for Execution**
 - Additional roof hatch over the CIP tank
 - Duct chase masonry elimination credit
 - Equipment pad reduction
 - Basement stairs credit
 - Asbestos abatement for the floor
 - Relocation of wheelchair lift
- **Change Order #14: Waiting for Execution**
 - RPZ credit
 - Air release valve material change credit
 - Differential pressure indicators
 - Amiad Cartridge Filter changes
 - Chemical fill station check valve credit
 - Concentrate sample ports
- **Change Order #15: Waiting for Execution**
 - VFD relay installation
 - Concentrate flow meter and control panel installation
 - Wiring for existing flow meter
 - Electrical changes to the Amiad units

- A Change Order regarding door heights is in review.
- A Change Order regarding Sample pump piping is in review.
- A Change Order regarding leveling the 1st floor for epoxy coating is in review.
- A Change Order regarding electrical changes to the generator cabinet is in review.
- A Change Order regarding the electric for sample pumps is in review.
- A Change Order regarding the emergency eye washes is in review.
- A Change Order regarding the Instrumentation Room drain is in review.
- A Change Order regarding the exterior equipment pad credit is in review.
- A Change Order regarding the finish schedule is in review.
- A Change Order regarding grating changes is in review.
- A Change Order regarding duct detector elimination credit is forthcoming.
- A Change Order regarding the installation of Amiad needle valves is forthcoming.
- A Change Order regarding valve position indicator credit is forthcoming.
- A Change Order regarding the PRV for the Fire Suppression credit is forthcoming.

Mr. M. Supert
September 1, 2013
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Should you have any questions, please do not hesitate to call.

Very truly yours,



Robert J. Reid
Resident Engineer
CDM Smith
cc: Robert S. Isabel, P.E., BCEE



Installation of Fire Protection Backflow Preventer



Installation of Insulation of Potable Water Lines