

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 #4

February 2012





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March 1, 2012

Mr. Matthew Supert
Acting 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. 4

Dear Mr. Supert:

We herewith submit our Progress Report No. 4 for the construction of the Low Pressure Reverse Osmosis Water Treatment Plant for the Village of Western Springs covering the one month period from February 1, 2012 through February 29, 2012.

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;

- Removed asbestos containing material from the bottoms of the east filters.
- Demolished and rebuilt the 1st floor bathroom walls including all associated plumbing, electrical and carpentry work.
- Installed flowable fill in the Membrane, Instrumentation and CIP rooms.
- Installed sanitary sewer piping for the Membrane and Instrumentation rooms.
- Installed electrical conduit in the basement and 1st floor of the Raw Water Treatment.
- Took delivery and set the two Amiad Iron Removal Units on the 2nd floor of the Raw Water Treatment.
- Took delivery and set the air compressor on the 1st floor of the Raw Water Treatment.
- Completed the preliminary painting of the Raw Water Treatment.

2. *Scheduled Upcoming Work/March, 2012*

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

- Continue installing electrical conduit in the Raw Water Treatment.
- Continue installing mechanical piping in the Raw Water Treatment.
- Install rebar and concrete for the floor slabs in the Membrane, Instrumentation & CIP rooms.
- Demolish the existing and install the new windows for the building.
- Install the 1st floor bathroom plumbing fixtures.
- Reinstall the cabinets in the Lab.

3. *Project Schedule*

The January 2012 Construction Schedule update indicates the project's final completion date remains on schedule, though, Joseph J. Henderson & Son, Inc. has indicated that the electrical transformer resolution will impact the intermediate milestones and may impact the overall project completion date.

▪ Contract Execution Date	June 15, 2011
▪ Phase 1 Completion Date (Contractor Mobilization Date)	November 7, 2011
▪ Total Time Expended	25 days
▪ Percent Total Time Complete	100.00%
▪ Phase 2 Completion Date	May 6, 2012
▪ Total Time Expended	116 days
▪ Percent Total Time Complete	63.74%
▪ Phase 3 Completion Date	September 5, 2012
▪ Total Time Expended	0 days
▪ Percent Total Time Complete	0.00%
▪ Phase 4 Completion Date	November 6, 2012
▪ Total Time Expended	0 days
▪ Percent Total Time Complete	0.00%
▪ Phase 5 Completion Date (Final Completion Date)	February 2, 2013
▪ Total Time Expended	0 days
▪ Percent Total Time Complete	0.00%
▪ Total Construction Duration (Final Completion)	454 calendar days
▪ Total Time Expended	116 days
▪ Percent Total Time Complete	25.55%
▪ Approved Time Extensions	0 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
▪ JJHenderson's Contract Price	\$6,130,000.00
▪ Approved Change Orders (JJH)	\$ 0.00
▪ Approved Change Order Percentage (JJH)	0.00%
▪ Completed To Date (JJH)	\$ 688,152.67
▪ Percent Completed To Date (JJH)	11.226%

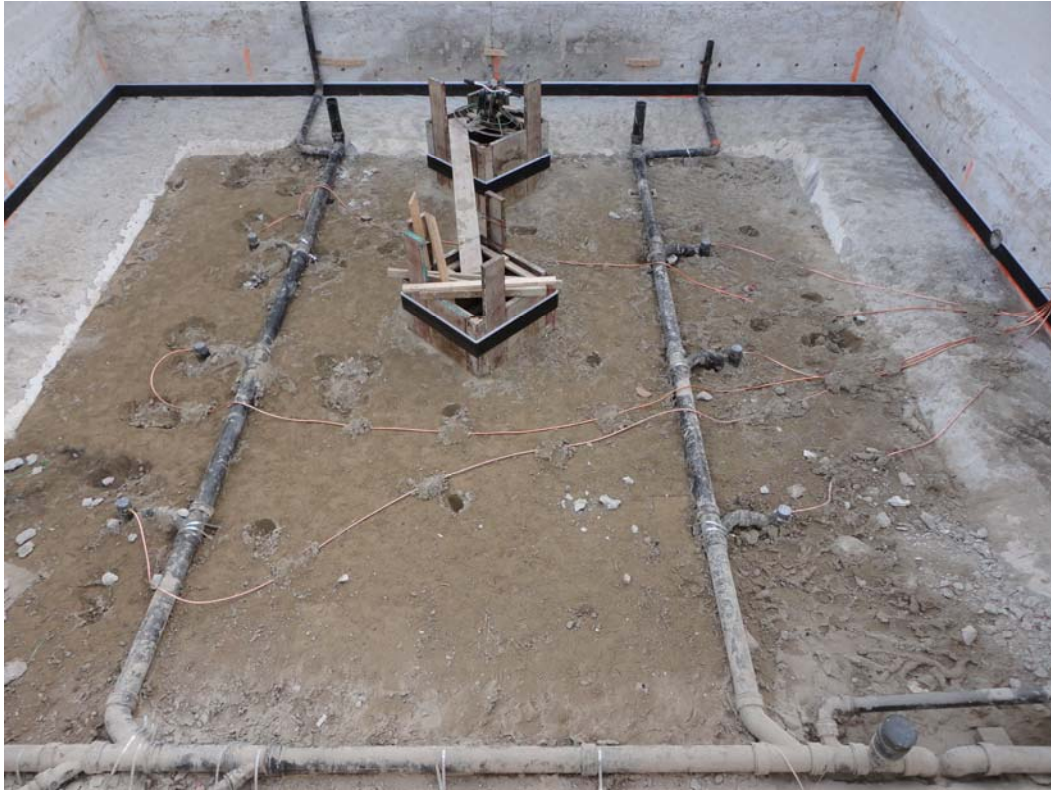
5. *Pending Action Items and Issues*

- A Change Order regarding electrical changes is pending.
- A Change Order regarding the ComEd transformer changes including a schedule delay is pending.
- A Change Order regarding masonry changes is pending.

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



Sanitary Sewer Piping in the Membrane Room



Air Compressor



1st Floor Bathroom Walls



Membrane Room Progress



Instrumentation & CIP Rooms Progress