

**IRONHOUSE SANITARY DISTRICT
WASTEWATER TREATMENT PLANT
EXPANSION PROJECT**



CONSTRUCTION MANAGEMENT

PROGRESS REPORT No. 18

October 2010

SUMMARY OF CONSTRUCTION STATUS

Contractor: Western Water Constructors, Inc

Base Contract Amount.....	\$ 54,455,209.00
Change Orders Executed.....	\$ 306,673.53
Total Contract Cost.....	\$ 54,761,882.53
Contract Amount Earned.....	\$ 39,438,627.00
Progress Payment for October 2010 (includes retention)	\$ 3,869,064.00
Retention Withheld.....	\$ 193,453.00
Previous Progress Payments (excludes retention).....	\$ 33,791,085.00
Estimated Percent Complete.....	72%

Schedule

Notice to Proceed.....	April 20, 2009
Base Contract Duration.....	900 consecutive days
Original Completion Date.....	October 6, 2011
Time Extension Authorized	1 day
Revised Duration	901 consecutive days
Revised Completion Date	October 7, 2011
Weather Days (included in base duration).....	40 days
Weather Days Expended (included in time expended).....	15 days
Time Expended	559 Days
Percent Time Expended	62.0%

Construction Manager's Summary

1. Schedule

The Contractor's current project schedule shows the project is on schedule. The critical path runs through the Chemical/Blower Building, Headworks, and Startup Activities. There was a change in the sequence of water testing and coating of the Headworks structure that may impact the overall schedule. The Contractor will review the schedule, resequencing other work activities, and will determine if there is a potential impact. The actual impact will not be known until the end of the Project.

The outfall construction was completed. The final third party survey will be completed in early November. The contractor may need to cleanup some rock installation. It depends on the outcome of the survey and if is acceptable to the permitting agencies.

2. Work Progress

GENERAL

Piping

The majority of below grade yard piping has been installed. Installation of the 30" OF piping was completed. 8" and 6" PW piping was installed.

Installation of electrical ductbank was completed for the Project.

Influent Pump Station

The installing contractor had concerns with the coating at the Influent Pump Station. Through additional investigation by the installing contractor and product supplier it was determined the coating was installed properly. The manufacture will provide a letter stating the material meets their installation requirements, recommendations for repairing the areas of investigation, and confirm the warranty is in place. The contractor will proceed with the coating installation once the letter is received.

Headworks

The headworks channels were water tested and coating began.

Mechanical installation of the drum screens and screenings washer compactors.

Steel framing, plumbing, and electrical for the laboratory and offices began.

Electrical installation continued.

Anoxic/Aeration Basins

Water testing the structure was completed.

Installation of the 24" RAS piping and pipe supports for Aeration Air piping continued.

Electrical conduit and control panels installation continued.

MBR and Backpulse Tank

The MBR coating was completed.

Installation of structural steel, piping, pumps, and valves began.

Chemical/Blower Building

The interior coating was completed and electrical installation resumed.

Solids Handling Building

Structural steel installation was completed and work began on the roof. Installation of interior metal framing began.

Installation of the odor control ducts and equipment began.

UV/Effluent Pump Station

Structural Steel installation began.

Outfall Pipeline

The outfall pipeline installation was completed. The District obtained a 2 week extension to the permitted window allowing the contractor to work to the end of the month. The contractor will submit a final survey of the work next month.

3. Contract Changes

Five contract change orders were issued in October.

4. Testing

Backfill material placed around the pipelines and subgrades and base rock at the structures were tested to confirm compliance with the project specifications.

Concrete cylinder samples were taken during concrete placements and will be tested for conformance to the project documents after curing.

5. Anticipated Work for Next Month

Work on the 18" FE and connection to the existing 27" irrigation line will be completed. Installation of miscellaneous small diameter piping will continue.

Mechanical and electrical installation will continue at all structures.

Structural steel installation will be completed and metal siding will begin at the Solids Handling Building.

Shop testing of control panels will be completed.

Electrical conduit and ductbank will continue throughout the site. Contractor will begin pulling wire.

PROJECT ADMINISTRATION

SUBMITTAL STATUS

	Received		Returned	Pending
	To Date	October	To Date	
First Time Shop Drawing Submittals	567	16	561	6
Request for Information	689	30	667	22

CHANGE ORDER SUMMARY

	Number	Amount
Change Orders Executed in October	5	\$40,843.00
Change Orders Executed to Date	61	\$306,673.53
Percent to Date of Original Contract		0.56 %

WEATHER RELATED DELAYS

	Days
Base Contract Allowance	40
Weather Related Days in October	0
Weather Related Days to Date	15



Headworks



Coating the Chemical Area at the Chem/Blower Building



AA Basin Control Valves and Electrical Installation
Solids Handling Building Roof Installation in the Background



MBR Building: Coating Completed, Pipe Support Installation
Chem/Blower Building Siding in the Background



Solids Handling Building Odor Control Fan Installation



30" AA Basin Installation