

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



CONSTRUCTION MANAGEMENT

PROGRESS REPORT No. 22

February 2011

SUMMARY OF CONSTRUCTION STATUS

Contractor: Western Water Constructors, Inc

Base Contract Amount.....	\$ 54,455,209.00
Change Orders Executed.....	\$ 417,189.53
Total Contract Cost.....	\$ 54,872,398.53
Contract Amount Earned.....	\$ 47,123,411.00
Progress Payment for February 2010 (includes retention)	\$ 793,620.00
Retention Withheld.....	\$ 39,681.00
Previous Progress Payments (excludes retention).....	\$ 44,091,261.00
Estimated Percent Complete.....	85.6%

Schedule

Notice to Proceed.....	April 20, 2009
Base Contract Duration.....	900 consecutive days
Original Completion Date.....	October 6, 2011
Time Extension Authorized.....	6 day
Revised Duration	906 consecutive days
Revised Completion Date.....	October 12, 2011
Weather Days (included in base duration)	40 days
Weather Days Expended (included in time expended).....	15 days
Time Expended.....	652 Days
Percent Time Expended	75.1%

Construction Manager's Summary

1. Schedule

The project is currently on schedule. The critical path runs through the electrical installation at the MBR, commissioning of the MBR and UV systems and startup and testing activities. PG&E activities not related to this project impacted the schedule. Per the Contract Documents the contractor requested and was granted a 5 calendar day non-compensable time extension. Project completion is scheduled for October 12, 2011.

2. Work Progress

Piping

The site piping and conduit is complete except for small, miscellaneous tie-ins.

Influent Pump Station

Startup and testing of the influent pumps continued. Monorail hoist was installed.

Headworks

Startup and testing of the process equipment continued. HVAC equipment installation continued.

Anoxic/Aeration Basins

Pipe coating and testing continued. Installation of the diffusers continued. Electrical equipment was installed and wire installation continued.

MBR and Backpulse Tank

Installation of piping and supports continued. Equipment was prepared for startup. Bridge Crane was installed. Electrical installation continued.

Chemical/Blower Building

Installation of conduit, wire and piping continued. Work began to place the north concrete slab.

Solids Handling Building

Drywall installation was completed and painting began. HVAC equipment installation continued. Wiring installation continued.

UV/Effluent Pump Station

The bridge crane was installed.

3. Contract Changes

Ten contract change orders were issued in February for a net total of \$49,119.00.

4. Testing

Backfill material placed around miscellaneous pipelines was tested to confirm compliance with the project specifications. Minimal soil testing is anticipated until final grading and paving work begins in the spring.

5. Anticipated Work for Next Month

Process Control Testing on the Influent Pump Station and Headworks process equipment will be completed. The laboratory will be painted and casework will be installed.

Startup and testing of the blowers will begin.

Installation of chemical equipment and piping at the Chem/Blower and Solids Handling Building will continue.

The MBR manufacturer will be on site to begin commissioning MBR equipment.

UV equipment will be installed.

Wire installations will continue at the MBR, AA Basins, Chem/Blower Building, and Solids Handling Building.

Painting of pipes and structures will continue throughout the site.

PROJECT ADMINISTRATION

SUBMITTAL STATUS

	Received		Returned	Pending
	To Date	February	To Date	
First Time Shop Drawing Submittals	638	6	636	2
Request for Information	762	14	756	6

CHANGE ORDER SUMMARY

	Number	Amount
Change Orders Executed in February	10	\$49,119.00
Change Orders Executed to Date	100	\$417,189.53
Percent to Date of Original Contract		0.77 %

WEATHER RELATED DELAYS

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



Headworks Drum Screen Ready for Testing



RAS Pipe Coating Inspection



Chem/Blower Building Piping Installation



MBR Piping Installation



MBR Gate Actuator Wire Installation



Solids Handling Building HVAC Equipment Installation