

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



CONSTRUCTION MANAGEMENT

PROGRESS REPORT No. 24

April 2011

SUMMARY OF CONSTRUCTION STATUS

Contractor: Western Water Constructors, Inc

Base Contract Amount.....	\$ 54,455,209.00
Change Orders Executed.....	\$ 750,577.53
Total Contract Cost.....	\$ 55,205,786.53
Contract Amount Earned.....	\$ 50,181,495.00
Progress Payment for April 2011 (includes retention)	\$ 713,143.00
Retention Withheld.....	\$ 35,657.00
Previous Progress Payments (excludes retention).....	\$ 46,994,935.00
Estimated Percent Complete.....	90.9%

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)	17 days
Time Expended.....	740 Days
Percent Time Expended.....	81.7%

Construction Manager's Summary

1. Schedule

The critical path continues to run through the startup activities. The startup activities were re-sequenced from the previous month and the current schedule shows the project completion on schedule.

2. Work Progress

Site Piping/Electrical

Installation of storm drain pipe and site lighting duct bank continued.

Influent Pump Station

Exhaust fans were installed for the odor control system.

Headworks

Startup and testing of the headworks process equipment continued. Installation of the HVAC systems began.

Anoxic/Aeration Basins

The diffusers were tested. Startup, testing, and training were completed for a number of pumping systems and mixers.

MBR and Backpulse Tank

Installation of major mechanical, structural, and electrical items was completed to allow startup of the MBR system to begin.

Chemical/Blower Building

Tuning of blowers and integration with the AA Basins and MBR systems began. Installation of the chemical systems continued.

Solids Handling Building

Completion of support systems and equipment continued including the polymer system and the FRP hoods and ductwork for the odor control system. Pumps were installed at the Filtrate Pump Station.

UV/Effluent Pump Station

Electrical testing of installed equipment began.

Outfall Installation

A short section of pipe between the outfall and the FE piping at Jersey Island remains. The contractor and manufacturer are laying out the piping for final tie-in.

3. Contract Changes

Twelve contract change orders were issued in April for a net total of \$126,786.00. The majority of Contract Change Orders were related to the outfall installation.

4. Testing

There were minimal soils and welding inspections required in April and no concrete inspection. Additional testing will be required once final grading and paving begins.

5. Anticipated Work for Next Month

Flooring, electrical installation, and cabinetry will continue in the laboratory and offices in the Headworks.

Process control testing of the AA basins will continue.

Startup and testing of the MBR equipment will continue.

Installation of the UV equipment will continue and startup and testing of the UV system will begin.

Electrical installation will continue at the Solids Handling Building.

Painting of pipes and structures will continue throughout the site.

PROJECT ADMINISTRATION

SUBMITTAL STATUS

	Received		Returned	Pending
	To Date	April	To Date	
First Time Shop Drawing Submittals	651	6	645	6
Request for Information	790	9	789	1

CHANGE ORDER SUMMARY

	Number	Amount
Change Orders Executed in April	12	\$126,786.00
Change Orders Executed to Date	120	\$750,577.53
Percent to Date of Original Contract		1.38 %

WEATHER RELATED DELAYS

	Days
Base Contract Allowance	40
Weather Related Days in April	0
Weather Related Days to Date	17



Site Lighting Ductbank and Pole Base Installation



SHB Filtrate Pump Station Installation



MBR Equipment Installation



Aeration Basin Diffuser Pattern Test



Belt Press Odor Control Hood Installation



Ongoing Painting of Piping and Equipment