

# Construction Update 1

**June 2009**

## Werribee River aqueduct replacement

This is the first of our construction updates on the replacement of the Werribee River Aqueduct. This project is part of Melbourne Waters five-year program of major works to improve Melbourne's sewerage and drainage systems.

The site was established immediately after Christmas and site works have quickly progressed with the project on schedule for completion in mid 2010.

### **Bike and Federation trail diversions**

Walking and bike path diversions have been in place since the site was established. Additional signs at the site and our appearance at the Weerama Festival have assisted residents and cyclists to learn more about the project and understand the current diversions to the Federation and Werribee River Trail. We thank all users of the path and trail for their cooperation during construction.

If you've travelled along the Princes Freeway or walked or cycled around the site you would have seen a great deal of activity and the large construction equipment in operation. Piling works form the foundations for the bridge/aqueduct. The piling works involve constructing reinforced concrete columns deep into the rock to ensure solid foundations for the overhead bridge/aqueduct.

### **What's been completed?**

- Excavation to prepare for the construction of the aqueduct on the East bank of the river
- Preparation of access ramps on each side to construct the bridge foundations
- Relocation of a water main
- Established environmental protection measures on the east and west river embankments to capture debris
- Established continual monitoring of run-off and water quality
- Established tanks to collect groundwater from piling works
- All bridge and embankment foundations
- Casting of all bridge pier segments

### **What's next?**

- The relocation of affected services to allow works to continue
- Commence concrete works for the west retaining wall, launch bay and pile caps
- Building of the aqueduct piers
- Commence casting of the aqueduct segments on the East bank of the river



1. Site works looking towards Melbourne.



2. First base unit installation



3. Final top unit installation

## Site visit

If you would like to visit the site please phone Jenny on 9742 9255 or Reza on 9742-9269.

## Fast facts

- There are approximately 30 people working on site at any given time
- Pier foundations are at a depth of approx. 5 to 8 metres below ground level
- The new structure will be 6.5 metres wide and slightly higher than the existing structure
- Monitoring of the condition of the existing aqueduct is ongoing throughout the construction of the new aqueduct. The adjacent brick aqueduct (built in 1891) is 1 of 3 heritage listed aqueducts that formed part of Melbourne's original transfer of sewerage.

For more information on this project please call the **Pipelines Alliance Project Information Line** on **1800 108 636**

For information on other Melbourne Water project call 131 722 or visit [www.melbournewater.com.au](http://www.melbournewater.com.au)