

### Legend

- Shaft Site
- Existing Main Sewers
- Proposed New Melbourne Main Sewer
- Proposed Local Branch & Retention Sewer

### Benefits

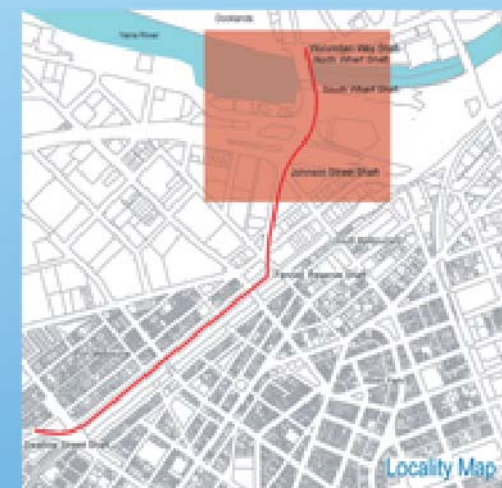
- Part of Melbourne Water's planned major infrastructure replacement program
- Improves the quality and capacity of this important piece of community infrastructure
- Project ensures the ability to manage Melbourne's continued growth
- Will service the CBD and surrounding area, including Docklands and parts of Port Melbourne
- Sewer to replace the existing 100 year old Melbourne Main Sewer

### Fast Facts

- Construction is scheduled to commence early 2008 with completion by 2011
- Sewer will be 2.4 km long with 1.5m -1.8m diameter and 10 – 15m deep
- Includes 6 key shafts which will allow connection to existing sewerage system
- Includes local sewer connections, decommissioning of existing sewer and removal of North Wharf Pump Station (NWPS)
- Construction will use tunnel boring machine (TBM) technology with segmentally lined tunnels, pipe jacking methods, and a staged sheet piling process for the Yarra River

### Yarra River Crossing

- Yarra River crossing will be constructed using a staged sheet piling process, ensuring the river remains open to marine traffic at all times
- Floating barges will be used to install sheet piling in the river for each stage
- Removal of silt will then take place within the piling
- Once silt removal is complete, a concrete slab will be poured within the piling to form a base upon which a pipe will be laid and joined together by divers
- The pipe will then be encased in concrete. The sheet piling will then be moved further across the river for the next stage.



Locality Map