

I N F O R M A T I O N

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TORRENS AQUEDUCT PIPELINE PROJECT

NOVEMBER 2006

This is the first of a series of newsletters to keep residents informed of the Torrens Aqueduct pipeline project.

Since the 1870s water has been transferred from the Torrens Gorge Weir to the Hope Valley Reservoir via an aqueduct system. The aqueduct is ageing and is subject to evaporation and leaks requiring increased maintenance. Following the investigation of a range of options by SA Water, the Rann Government announced funding for the construction of a buried, gravity assisted pipeline to replace the ageing aqueduct.

The pipeline will be constructed within the Linear Park starting approximately 800 metres from the Gorge Weir on the River Torrens and connecting to the Hope Valley Reservoir via an existing tunnel.

As the pipeline is gravity assisted it does not require a pump station, eliminating the need for electricity. This makes the pipeline option more environmentally sustainable as it will not generate any ongoing greenhouse gas emissions.

The new pipeline will secure a quality water supply for more than 85,000 households in Adelaide's north eastern suburbs.



THE PROJECT BRIEF

Approximately four kilometres of underground pipe (1.8m in diameter) will be laid through the Linear Park in a trench with an average width of approximately three metres. The trench may be wider in some parts dependent on soil conditions. The pipeline will also be buried around three metres underground.

Excavation work will occur in stages and the completed sections will be backfilled as the construction progresses. Revegetation and returfing will also occur progressively to ensure the quick re-establishment of the Torrens Linear Park. This will include the reinstatement of grass, bushes, shrubs and trees.

River crossings will be undertaken as necessary with a commitment to minimising impact on the River Torrens. The pipeline's route is currently being determined and as part of this process, endeavours are being made to avoid significant trees and other points of interest in the park. Residents living near the Linear Park will receive regular correspondence advising of site works as the construction activity proceeds in their area.

The movement of heavy vehicles will be limited to 7am to 6pm Monday to Saturday and no work will occur on Sundays or public holidays. If an unplanned situation arises where additional works are required to ensure safety, it may be necessary for work to occur outside of these times.

Pedestrians and cyclists using the Linear Park will be notified of site works by signage that will be erected along the pathways. Further signage will be displayed around the immediate area of the site works.

Advertising will also feature in the local *Messenger Newspapers* to ensure the community remains informed throughout the construction period.

Water supplies to areas serviced by the Hope Valley Reservoir will not be affected by this work. The pipe laying is anticipated to commence around March 2007 and be completed in mid 2008. In the 12 months following construction completion, regular inspections of the works will be undertaken to ensure there are no problems with the rehabilitation of the Linear Park.

WHAT DOES THE PROJECT INVOLVE AND HOW DOES IT AFFECT ME?

EFFECT ON THE COMMUNITY

To assist in determining the final route for the pipeline, a number of samples will be taken from the area to ascertain soil, water and rock profiles. From now until the end of the year, equipment including back hoes and drilling rigs will be on site gathering these soil samples.

During the construction period SA Water expects that there will be some disruption to nearby residential areas.

This will include:

- trucks moving through certain residential streets delivering pipes and construction materials and removing surplus soil,
- some construction noise from machinery,

- possible dust generation and/or mud on roads from truck movements (dependent on weather conditions), and
- temporary restrictions to some areas of the Linear Park (dependent upon the final route of the pipeline).

Measures will be taken to minimise these potential disruptions.

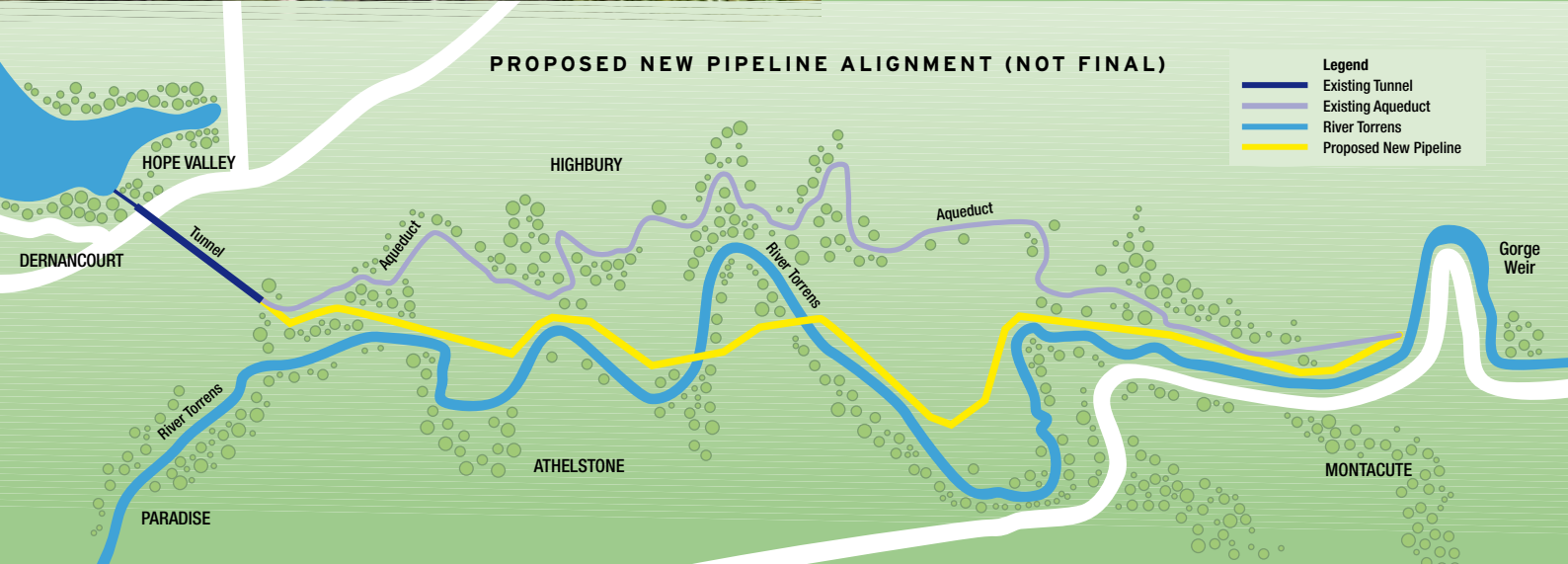
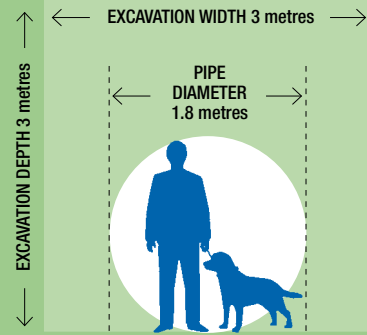
This will include:

- regular inspection and cleanup of streets,
- dampening of areas likely to generate dust,
- site signage and identification of routes into the construction site that will see minimal impact on residential areas.

Residents will be advised of other specific measures closer to the start of construction.



AVERAGE PIPE EXCAVATION WIDTH



WHAT WILL HAPPEN TO THE AQUEDUCT LAND?

OPEN SPACE

Under the recent *River Torrens Linear Park Bill 2006* the 51 hectare aqueduct reserve is protected from being sold to a private entity.

Many sections of the reserve are steep and very narrow. SA Water is looking to develop a strategy that will include the clearing of woody weeds, drainage works and removal

of the old aqueduct to make the area safe. The removal of some weed species will commence in the coming months.

In preparing this strategy, SA Water will work with relevant Government Agencies regarding the future ownership and management of the land.

Turn over to see how you can
find out more about this project





HOW CAN I FIND OUT MORE?

FIND OUT MORE

As the project proceeds, SA Water will provide the community with more detailed information including:

- the specific location of the pipeline, as determined by detailed engineering design,
- construction impacts, and
- revegetation and landscaping in the Linear Park.

Information will be provided by way of:

- newsletters,
- letters to households,
- signage,
- advertising notices, and
- an information open day.

For more information about the project:

- **phone** the SA Water Customer Contact Centre on 1800 812 362, or
- **email** your contact details to torrenspipeline@sawater.com.au.

For information on any other SA Water projects log on to www.sawater.com.au.