

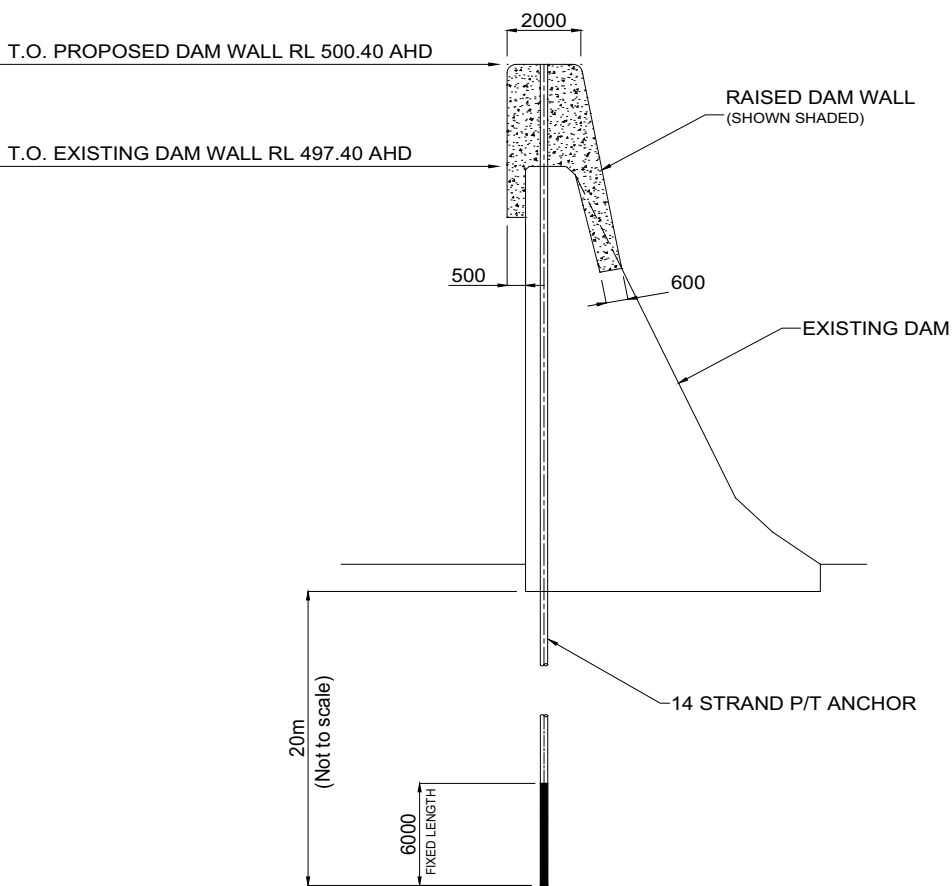
RAISING OF YASS DAM BY 3 METRES

Council is moving forward to raise the Yass dam wall by three meters in securing reliable water supply required for at least next 25 years despite other long term options such as water from Canberra. The quality and reliability of the Canberra water supply clearly identifies this option as the best long term option. However the cross border issues and other hurdles may prevent this option from materialising for number of years.

Council has completed most of the relevant technical investigations to raise the dam wall. The proposed three meters raise will provide storage of 2,460 ML against the current storage of 872 ML. Yield analysis modelling indicates the secure yield would be between 1,800 to 2,200 ML per year. The major investigations completed are:

- ✓ Seismicity Study
- ✓ Geotechnical investigation and assessment of foundation strength
- ✓ Hydraulic modelling flood studies
- ✓ Stability Modelling
- ✓ Inundation survey of up stream of Yass dam

The typical cross section of the proposed dam is shown below;



The concept design and environmental studies are currently being undertaken and are expected to be completed by May 2009. The detail design and preparation of tender documentation will follow soon after with tenders proposed to be called by mid 2010.

The State Property Authority has been engaged by Council to handle land matters. Council is proposing to acquire land that will be inundated by the dam raising plus an additional 20 metre wide 'easement to flood'. Surveyors will soon start marking top water levels plus this 20 metre easement. All affected land owners will be consulted during the acquisition process.

The total estimated cost is approximately \$13M which includes construction of the dam wall, upgrade of Morton Avenue bridge, land acquisition and riparian improvements.

Council is seeking funding from the Federal Government to make this vital project affordable to consumers. The project will be funded by a combination of accumulated water supply augmentation funds, developer contributions, Council loan and hopefully government grants. Loan commitments will be met through consumer charges. Subject to grant funding, this project is expected to be completed by 2011/2012.

Augmentation of Yass Sewerage Treatment Plant



IDEAT - formwork for concrete columns for decant trough and aerator walkway supports

Augmentation of the Yass sewerage plant commenced in May 2008 and 50% of the works are now completed. The total cost of this project is \$8.43M, NSW State Government meets 42% of the cost, the balance will be funded by developer contributions and sewerage rates. The old sewer treatment plant (trickling filters), which was constructed in 1935, will be decommissioned when the new plant becomes operational by October 2009. The higher level of treatment of the sewerage will allow effluent to be discharged to Yass River. It is planned to utilise this additional discharge to the Yass River by establishing an irrigation system that will be distributed to sporting fields and the local golf course.



Sludge Lagoon No 3 - work significantly completed



Electrical Switch Room - main witchboard installed