



.....PRIORITY INFRASTRUCTURE PROJECT.....

Proposed Water Supply to Nangus Village

At the request of Cootamundra – Gundagai Regional Council (CGRC), Goldenfields Water County Council (GWCC) did a preliminary investigation into the feasibility and costs of supplying the Village of Nangus with potable water.

CGRC provided a list of properties that were interested in connecting to the new scheme which totalled 45, and significantly, the primary school. The local community is rallying for this project.

Nangus Public School has been purchasing bottled water in containers since a ban from using tank water was put in place for all public schools. The school is the evacuation site in case of threatening fires within the village and local district

The system was designed using average daily demands, and a total peak flow of 0.8l/s was calculated.

This requires 11.7km of 100mm PVC main pipe, which includes the reticulation in the village.

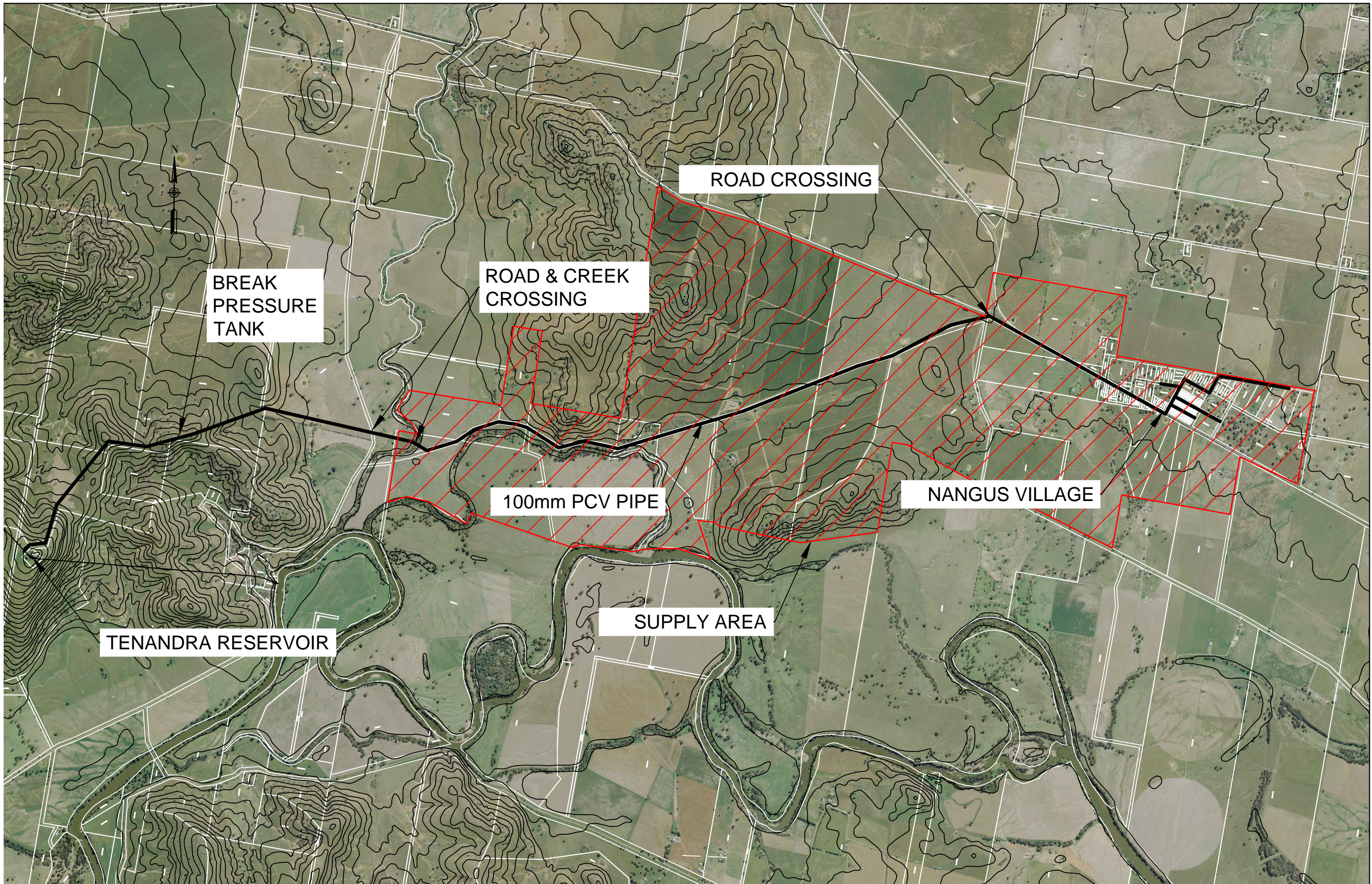
The village will be supplied from GWCC’s Tenandra Reservoirs, and due to the high elevation change from Tenandra to Nangus (220m) a small break tank will be required to reduce pressure at the village. The reservoir will have a capacity of 250kL, which will also allow 3 days’ supply, in case of mains breaks.

The Construction Estimate was based on NSW Reference Rates:

11.7km x 100mm PVC Pipe x \$100/m	\$1,170,000.00
250kL Reservoir	<u>\$ 125,000.00</u>
Total	\$1,295,000.00

The main water line from Tenandra Reservoirs to Rivers Road may require an easement, which will be an additional cost.





BREAK
PRESSURE
TANK

ROAD & CREEK
CROSSING

ROAD CROSSING

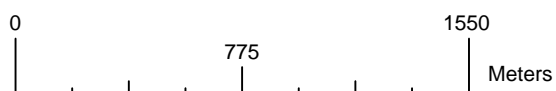
100mm PCV PIPE

NANGUS VILLAGE

TENANDRA RESERVOIR

SUPPLY AREA

No.	Revision Notes	Drawn	Checked	Approved	Date



Drawn By	Date
Checked By	Date
Approved By	Date
Approved By	Date

**PROPOSED
NANGUS
POTABLE WATER
SCHEME**

TITLE:

Original Size A3 DRAWING No:

Sheet No 1

