

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

## Proposed Cootamundra Water Main Replacement Program

Cootamundra–Gundagai Regional Council (CGRC), identified the urgent need of replacement of old ductile & Cast iron Water mains in Cootamundra town area.

Council owns water storage facilities (total capacity of 4.31ML to service the reticulated water supply for the Town of Cootamundra), water connections and 70km of water pipes. The average age of the water storage facilities is 35 years; the average age of the pipes is 60 years.

As per Council Register, there is about 18.8 km length of Cast/ductile Iron water mains in town. This Cast/ductile water main is very old laid in the 1930's which is now showing signs of age and internal deterioration; the loss of internal section due to mineralisation deposition is found in many sections of this water main as shown in figure 1.0. For this reasons, the rate of failure of this mains can be as high as 6 to 7 times per week in summer. This is also creating issues with water quality e.g. dirty water around the whole township. There is a significant water loss issues due to extensive flushing and leaking from stop valves and hydrants.

The replacement cost for whole 18.8 km as identified in the Council register is \$4.34M. The proposal is to utilize some of the Stronger Community Fund to expedite the current water mains replacement program around the Cootamundra township in order to reduce the amount of old Cast/ductile iron mains. Recent investigation also emphasises the immediate requirement based on the chemistry of water supplied by Goldenfields Water and PH correction (lime injection).

Replacement of water mains for Cootamundra town area is

**\$2.0M**



Figure 1.0 Photograph of typical cast iron pipe.  
Internal section loss is due to mineralisation deposition.



AR Bluett Award Winners:  
1953, 1992 & 2014

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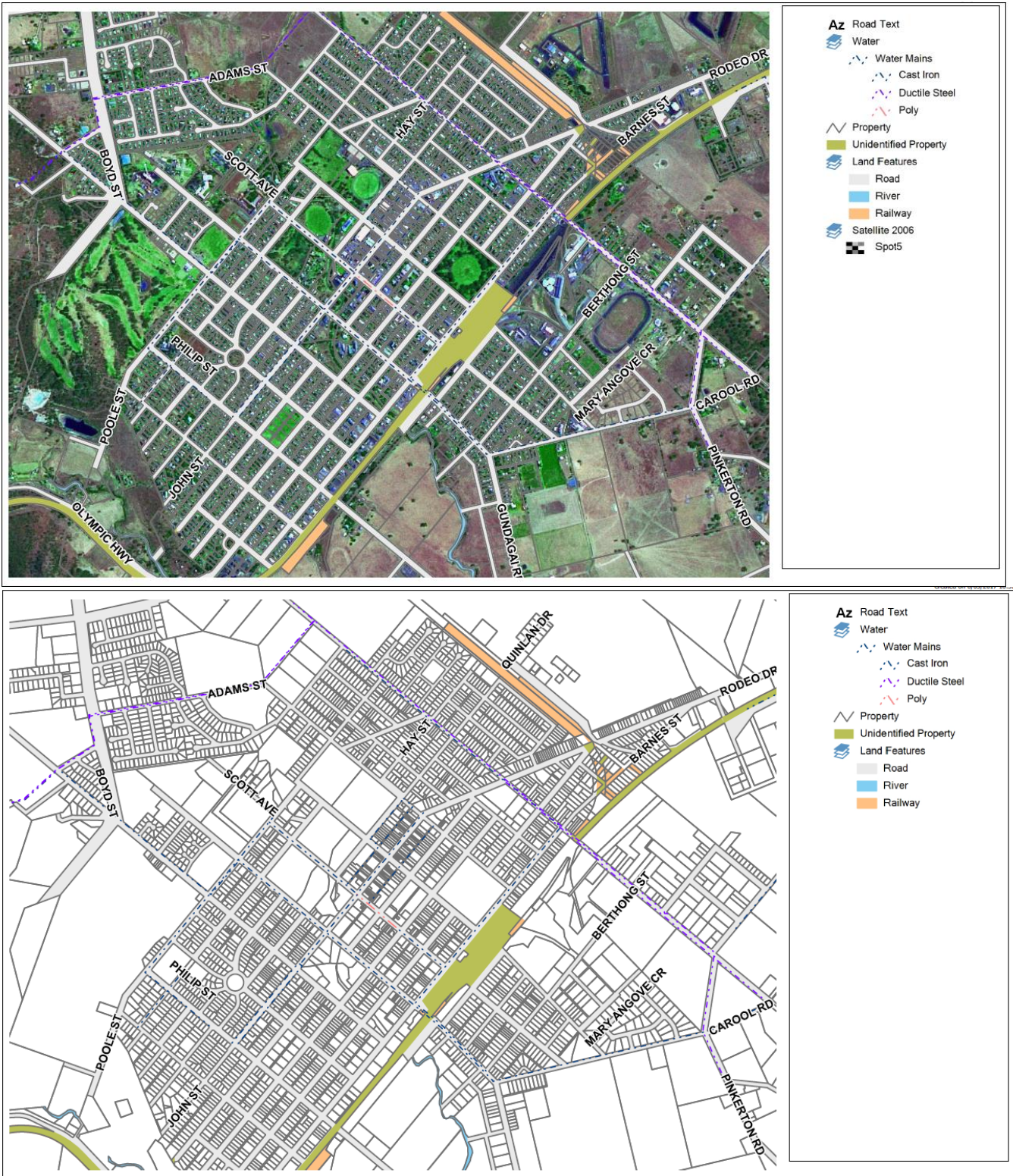


Fig 1.0 Water main map-Cootamundra



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