

ARMARILLO - WATER SENSITIVE URBAN DESIGN

William Burrell, Director – Taylor Burrell Barnett town planning & design

A new town of approximately 90,000 people being planned south of Perth near Mandurah WA, Amarillo is embracing the principles of Sustainability, Liveable Neighbourhoods Community Code Edition 3 and Network City.

Amarillo features the Serpentine Regional park (730 ha), the Dirk Brook Community Park (100 ha) and local arborways (tree lined boulevards with landscaped drainage swales) as part of the overall urban water management plan. The Masterplan also features conservation areas to be retained and enhanced as protected elements within a comprehensive linear parkland system.

The Community park concept for Dirk Brook demonstrates how drainage water can be taken through a treatment train consisting of sediment ponds, vegetated filtration wetlands, floodways and living streams, before entering the local aquifer or the Serpentine river. The system is bold and dramatic in scale with ponds, filter wetlands and living streams being treated as sculptural landscape elements which improve water quality whilst at the same time providing physical and visual amenity for the community.