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New Wetland for Cardiff

A new wetland under construction at Cardiff has been designed to provide potential for water harvesting to irrigate nearby Cardiff ovals.

The wetland, situated off William Street, will treat stormwater from a tributary watercourse off Winding Creek with a catchment area covering 79 hectares of mainly residential properties.

Installed as part of the Lake Macquarie Improvement Project, the wetland is worth \$469,232, has a surface area of 3,666m² and a water storage capacity of 2,080m³.

Although the primary aim of the wetland is to treat stormwater run-off and improve water quality, it will also have some stormwater detention capability to provide assistance with downstream flooding.

The wetland will have two ponds planted with over 5,650 water plants (macrophytes) to help filter impurities from the water. Native vegetation will also be planted around the embankments and periphery to assist with the overall functioning of the wetland.

“Wetlands are nature’s way of filtering out sediments, nutrients and other contaminants before they enter the Lake. Worldwide research has shown that natural processes, such as those carried out by wetlands, significantly contribute to the health of waterways,” Lake Macquarie & Catchment Coordinator, Jeff Jansson said.

The Lake Macquarie Improvement Project recently won a national award for its work on improving the environmental health of Lake Macquarie.

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More information?

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