BELCONNEN TRUNK SEWER UPGRADE PROJECTS

Project 1: Belconnen trunk sewer augmentation

Want to find out more?

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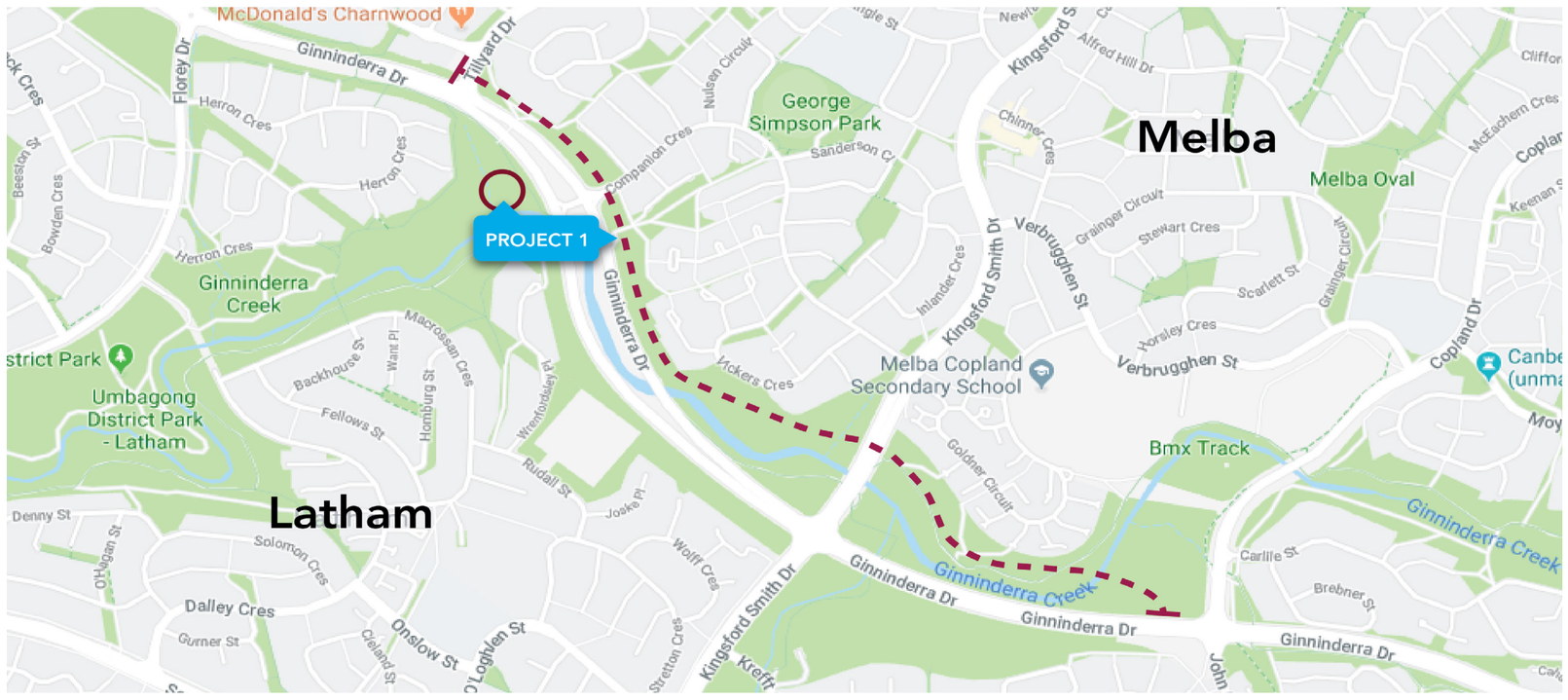
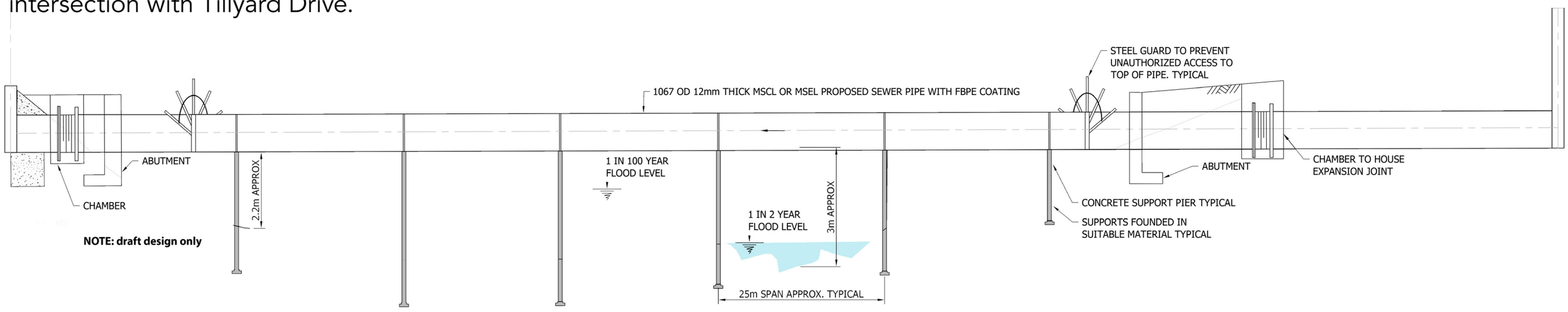
What is it?

This is the largest of the upgrade projects, including construction of:

- approximately 2.4 kilometres of mostly underground sewer pipe;
- a pipeline bridge that will support the new sewer over Ginninderra Creek; and
- an odour control unit (OCU) at Latham North.

The project would be located to the north of Ginninderra Drive between Tillyard Drive, Latham and Copland Drive, Melba. It is proposed to locate the OCU to the south of Ginninderra Drive opposite the intersection with Tillyard Drive.





The odour control unit (OCU)

This OCU will be located in North Latham, and would service both the new and existing sewerage infrastructure of the Belconnen Trunk Sewer. The facility would include a vent stack about be 14 metres high.

OCUs are a vital part of the sewer network as they allow ventilation and air filtration and protect the sewer pipes from corrosion. The ventilation an OCU provides extends the life of a sewer by reducing the amount of maintenance that the pipeline needs, making management of the network much more efficient. The filters used in the OCU and ventilation stacks absorb gases such as hydrogen sulphide, which is a common source of odours from sewerage systems.

It is proposed that the North Latham OCU could be accessed from the westbound lane of Ginninderra Drive.

The sewer pipe

The new trunk sewer main will have a diameter of 120 centimetres. The trunk sewer main would be mostly located underground (to a depth of typically between around 2.5 metres and 6.0 metres) and would include a series of access and maintenance pits along the length of the alignment.

The pipeline bridge

The pipeline bridge would be located over Ginninderra Creek to the west of Copland Drive and would be around 230 metres in length. The figure (above) shows the design of the proposed pipeline bridge.

Image (left): Artist impression showing the OCU structure. Icon Water is looking for community feedback to determine the best finishes for the OCU structures.

Image (right): Artist impression showing what the pipe bridge might look like.