

Godwin Avenue Sump Upgrade and Cycle Path Extension Works

Frequently Asked Questions

What will the Godwin Avenue Sump Upgrade and Cycle Path Extension Works include?

The works to improve water quality in the Godwin Avenue stormwater catchment involve a range of water sensitive urban design principles and include several treatments designed to address the continual input of polluted stormwater into soakwells. All treatments will be contained within the project site and designed to operate with minimum maintenance requirements.

The works to extend the cycle path will create a link between Canning Bridge Station, local residential areas, local recreational areas, Curtin University, and three schools, supporting the active transport network.

The treatments include the following:

- establishing a short-term shallow retention area with a biofiltration element (garden beds with ephemeral plants that are suited to seasonal wet and dry periods) to strip stormwater of pollutants and nutrients before it enters the soakwell
- increasing the existing stormwater filtration area.

Other works to enhance wildlife habitat and landscaping include:

- revegetating the area with suitable native plant species
- installing a bird watering station
- creating a rest area with interpretive signage, informal seating and various habitat features such as an insect hotel, bird nesting boxes and untreated timber logs
- nature walks through this wildlife habitat
- establishing an informal access path connecting the north and south existing paths
- creating a nature play zone that can be used as an impromptu outdoor classroom for local schools
- formal seating, including a wheelchair parking concrete pad to improve accessibility for all community members
- bicycle parking, bins and drinking fountain.

Why do we need to improve the water quality of the stormwater catchment?

The City's existing stormwater management system is a piped network which discharges to a variety of receiving environments, including the Canning and Swan rivers, lakes, compensating basins, infiltration basins, swales, soakwells and public open space reserves. It is very important to treat stormwater within the catchment to reduce chemical and nutrient loads before it is discharged into the river system.

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Infiltration of stormwater is the predominant method of stormwater disposal in the City, with approximately 65 per cent of the local government area infiltrating stormwater.

The Godwin Avenue Sump Retrofit project will treat stormwater via biofiltration, which causes nutrients to be absorbed before stormwater enters the soakwell.

What is Water Sensitive Urban Design?

Water Sensitive Urban Design is a land planning and engineering design approach which integrates the urban water cycle – including stormwater, groundwater and wastewater – into urban design to minimise environmental degradation and improve aesthetic and recreational appeal.

Where are the catchment areas that drain stormwater into Godwin Avenue Sump?

The below map shows the catchment areas that drain into the Godwin Avenue Sump pits. The proposed design includes stormwater pre-treatment on site at the inlet point through a vegetated filtration area.



Map legend:

- Stormwater structure
- Drainage catchment
- Stormwater drainage pipe network
- Site boundary

Where can I find more information about nutrient run off and reducing it in my home?

Visit the '[Phosphorous Awareness Project](#)' by SERCUL (South East Regional Centre for Urban Landcare), where you'll find information about the impact of too many nutrients in the Swan and Canning river systems and wetlands and how you can reduce these levels.

What kind of species will be planted?

Please view the [concept design](#) for further details of suggested species the City will incorporate. To grow the required plants, local provenance seed and vegetative material from the City's natural reserves will be used whenever possible. Swan Coastal Plain provenance seed and vegetative material (from the Swan Coastal Plain but outside the City of South Perth area) will be used only if local provenance material is not available.

Can residents and community members get involved in planting and weeding?

There will be an opportunity for local residents and the wider community to participate through planting and weeding days that the City will host as part of our annual natural areas maintenance works. More information on these events will be made available on the City's website and social media channels in due course.

Why does this project include an extension of the cycle path?

The extension of cycle path supports the Joint Bike Plan, by the City of South Perth and Town of Victoria Park. This strategic cycling network bike link that will create a safer route between Canning Bridge and Curtin University. The extended cycle path will include installation of a raised intersection at the Henley Street bend to provide a safer crossing between Godwin Avenue and the path linking to Murray Street and Jackson Road.

Does the proposed project consider safety and security principles?

This project considers four main principles of Crime Prevention Through Environmental Design (CPTED), including natural surveillance, access control, territorial reinforcement and space management. These will help create a safe and secure environment that encourages activity and enabling a greater level of security.

When will construction works commence and how long will they take?

The construction phase is proposed for early October 2023 and it is anticipated that all planting and works will be completed by April 2024.

Who will maintain the Godwin Avenue Sump after all construction and planting works are complete?

The City's natural areas maintenance team will carry out the maintenance of the vegetation, and the soakwells will be maintained by a qualified drainage contractor.

How can I find out further information or ask questions?

For further information or to get in touch, connect with us online at [mySouthPerth](#).