

Botany Park Retarding Basin Upgrade

Project Delayed - Revised Start of works – April 2018

From mid-April 2018, John Holland-KBR Joint Venture (JH-KBR JV) will deliver upgrade works to the Botany Park Retarding Basin at Carrum Downs, on behalf of Melbourne Water. The upgrade works will ensure the retarding basin continues to reduce the risk of flooding to the community. The works were originally scheduled to commence in February 2018, but were delayed and will now commence in mid-April.

What is a retarding basin?

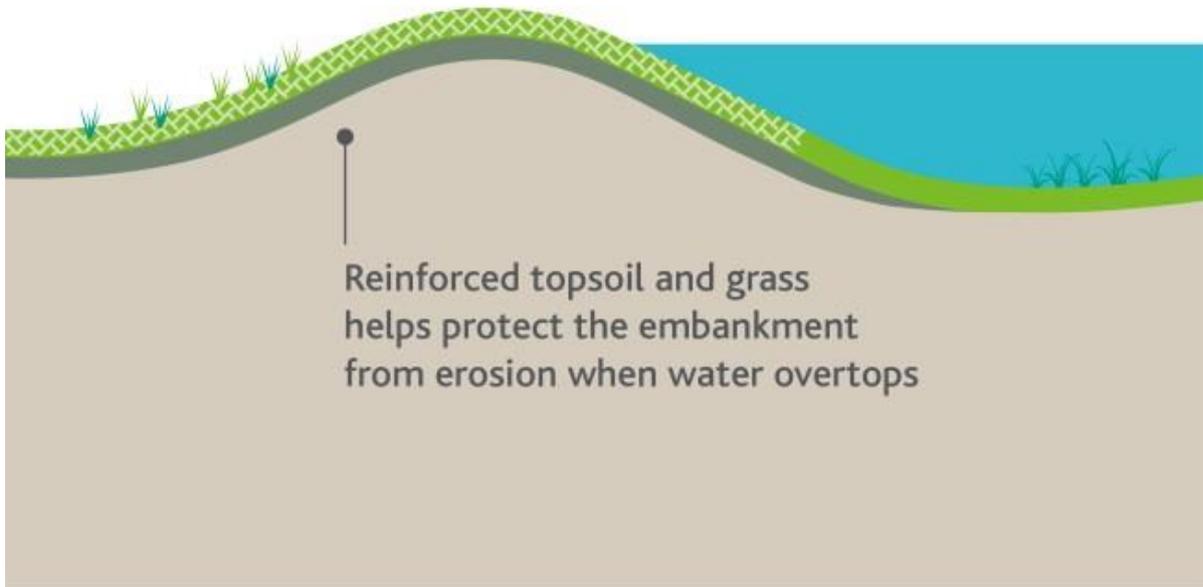
A retarding basin is an area of land used for stormwater to drain into during high rainfall events. When a retarding basin fills, the embankment acts like a dam holding back stormwater. The stored water is then released slowly into the downstream drain or waterway helping to protect homes and businesses from flooding. Retarding basins can often be used by the public as parks or sporting ovals when not full of stormwater.



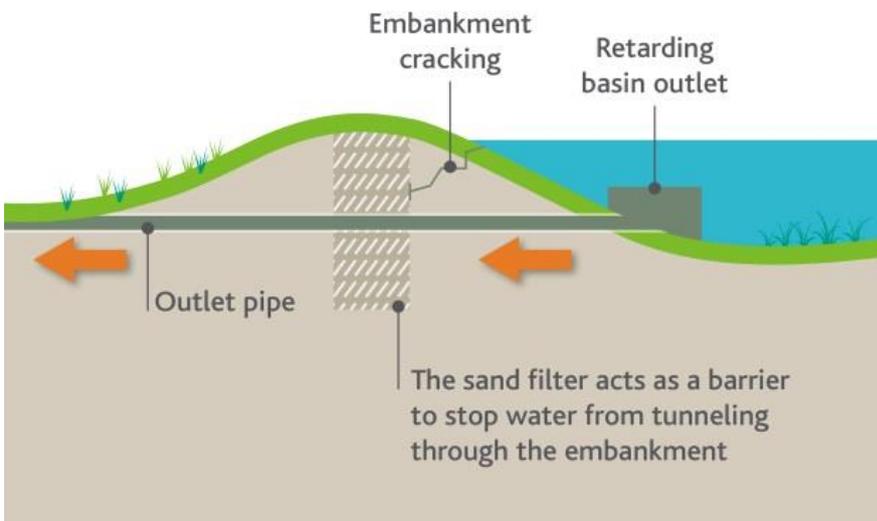
How we upgrade retarding basins

Upgrade works to the retarding basins can include embankment hardening and installing filter trenches. Hardening the embankment protects it from erosion when the water overtops. Embankments can be hardened through reinforcing the top soil, laying concrete or installing geoweb or other structures.

Embankment hardening



Sand Filter



Installing a sand filter or filter trench can prevent water destabilising the embankment by flowing through it.

Why are we doing these works?

Melbourne Water has over 200 retarding basins that we regularly assess for risks, conduct maintenance on, and upgrade as necessary. The Australian National Committee on Large Dams (ANCOLD) guidelines represents the best Australian and international engineering practice in the safe design, management and operation of dams. We use these guidelines to manage our retarding basins. The Botany Park retarding basin has recently been assessed against the ANCOLD guidelines. This assessment has shown that upgrade works are necessary to ensure the retarding basin continues to reduce flood risk and operate safely for the community.

John Holland-KBR Joint Venture will be undertaking these works on behalf of Melbourne Water.

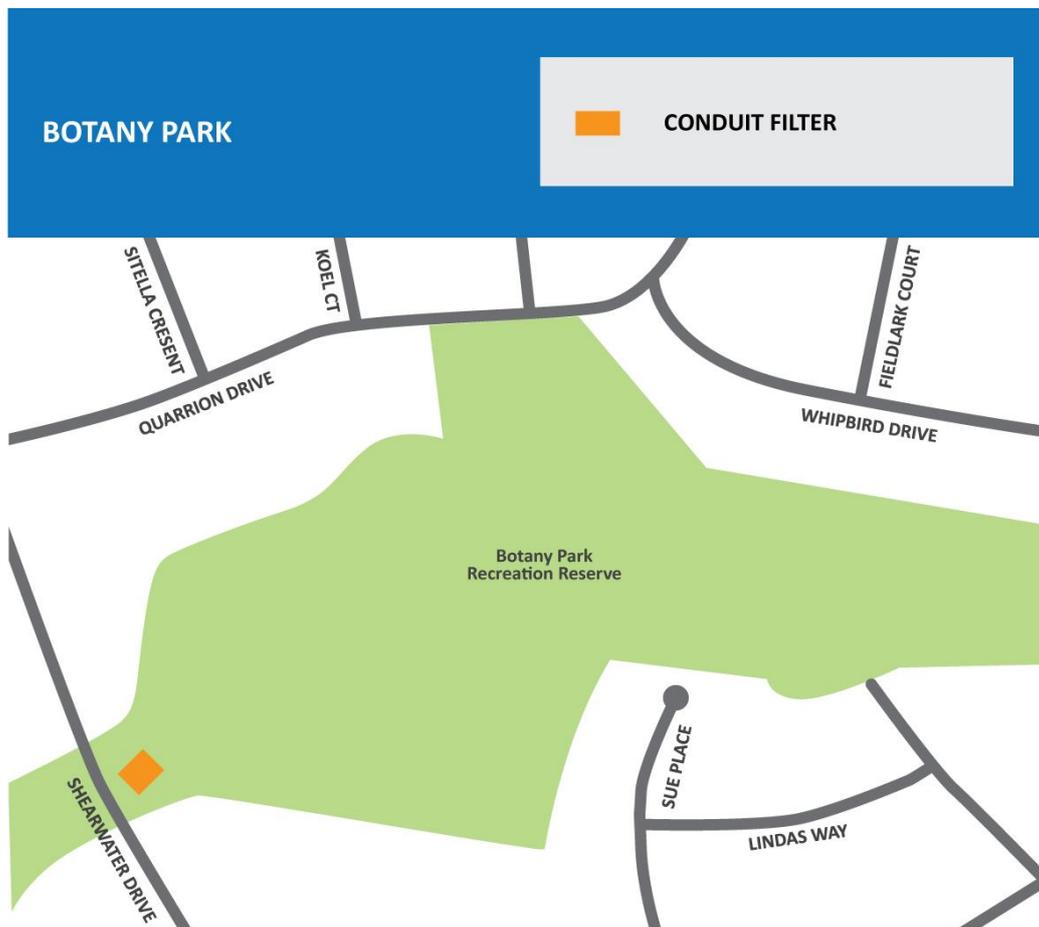
Construction works at Botany Park Retarding Basin

Works will include:

- Filter diaphragm installation around existing outlet conduit
- Replacement of outlet structure grate

Works will commence in mid-April 2018 and take approximately two months to complete (weather permitting).

Construction hours will be Monday to Friday 7am – 6pm and Saturdays from 7am to 1pm in accordance with the EPA regulations.



What to expect during construction

We will do everything possible to minimise disruption during construction, however it is likely that nearby residents will notice:

- large trucks and machinery working around the retarding basin.
- worker amenities set up within the construction area
- some noise, dust and vibration from construction works.
- construction traffic and equipment will enter and exit the site via Shearwater Drive

Keep up to date with what's happening

For more information about this project or our other activities please call **1800 096 546** (Option: 9 Botany Park retarding basin) or visit



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rbupgrades@melbournewater.com.au

Interpreter For an interpreter, please call the
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