

Thompsons Road Retarding Basin Upgrade

Start of works – March 2017

From late March 2017, John Holland-KBR Joint Venture (JH-KBR JV) will deliver upgrade works to the Thompsons Road Retarding Basin, located at Lawson Poole Reserve, on behalf of Melbourne Water. The upgrade works will ensure the retarding basin continues to reduce the risk of flooding to the community.

Construction works and timing

The retarding basin upgrade involves:

- Installation of crest filter trench
- Raise and harden the embankment
- Upgrade works at the outlet
- Installation of concrete footpath along the crest
- Removal of approximately 150 trees and vegetation from the embankment.

Work will start in late March, and is expected to be completed by the end of June 2017, weather dependant.



Why we are doing these works?

The Thompson Road Retarding Basin plays a crucial role in managing stormwater in your local area. When heavy rain occurs, the retarding basin embankment holds back stormwater and slowly releases it downstream, reducing flood risk to residents and businesses.

Melbourne Water has over 200 retarding basins that are regularly assessed for risks, maintained, and upgraded as necessary.

The Australian Committee on Large Dams (ANCOLD) guidelines represents Australian and international engineering best practice for the same design, management and operation of dams. Melbourne Water uses these guidelines to manage our retarding basins.

Due to a revision in the guidelines and a recent risk assessment, the Thompsons Road Retarding Basin requires essential upgrade works in order to manage the risk of flooding.

What to expect during construction

The path located on the top of the embankment will be closed during construction. Detours will be signed and we ask that you follow the instructions of staff on site.

The sporting fields and pavilion will remain open. To ensure public safety, fencing will be installed around the sporting fields and a construction site established.

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 Lawson Poole Reserve
- Worker amenities set up within the construction area near the car park
- Some noise, dust and vibration from construction works. Management plans will be implemented including an Environmental Management Plan.
- Removal of trees and vegetation from the retarding basin embankment - trees and vegetation in other parts of the reserve will be retained
- Construction traffic and equipment will enter and exit the site via Lesdon Avenue.

Work will take place Monday to Friday 7am to 6pm and Saturday 7am to 1pm. Outside of these hours, some quiet work may take place. Neighbouring residents will be notified in advance if construction work is required outside these hours.

Tree and vegetation removal

To ensure the retarding basin continues to operate safely and complies with the ANCOLD guidelines, up to 150 trees and vegetation on the embankment will need to be removed as part of the works. The area is marked with **X** on the map. These trees have been identified for removal due to their location weakening the structure of the embankment, increasing the risk of embankment failure during significant rainfall.

Once complete the work area on the embankment will be revegetated with topsoil and grass seed mix. Melbourne Water is committed to working with council and the community to develop a suitable reinstatement plan for the area. Opportunities to comment on this plan will be advertised in the coming months.

Your feedback

Melbourne Water welcomes your comments or feedback on this project. Please get in touch to speak to the relevant community liaison officer:

Call: 1800 096 546 (Option 1: Thompsons Road Retarding Basin)

Email: rbupgrades@melbournewater.com.au

Website: www.melbournewater.com.au/retardingbasins



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