

# TECHICAL MEMORANDUM

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**To:** Richard Bender - EDQ  
**From:** Ralph Williams - DesignFlow  
**Reviewed:** Shaun Leinster (RPEQ 15637) - DesignFlow  
**Date:** 27 June 2022  
**Subject:** Carseldine Urban Village – Stormwater management to support Stage V development

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## 1 INTRODUCTION

This technical memorandum describes stormwater management (stormwater quality and flood impacts) relevant to Carseldine Urban Village to support Stage V development.

## 2 BACKGROUND

In support of the Carseldine Urban Village development, stormwater management requirements, including stormwater treatment and flood impacts under ultimate development conditions, have been assessed. A stormwater treatment strategy was derived to treat stormwater runoff from the site to meet State Planning Policy objectives, whilst flood mitigation measures were determined to avoid flood impacts external to the site. The latest assessments are reported in the following approved documents:

- *Carseldine Urban Village – Updated Stormwater Management Plan* (DesignFlow, October 2019)
- *Technical memorandum – Carseldine Urban Village – Updated flood assessments to support Stage 1 development* (May 15, 2020)
- *Addendum to Carseldine Urban Village – Updated flood assessments to support Stage 1 development* (May 27, 2020)
- *Technical memorandum – Flood impact assessment to Support Stage 2 development* (15 May, 2020)
- *Technical memorandum – Carseldine Urban Village – Stormwater management to support Stage 3 development* (17 November, 2020)
- *Technical memorandum – Carseldine Urban Village – Stormwater management to support Stage 4A development* (25 August, 2021)
- *Technical memorandum – Carseldine Urban Village – Stormwater management to support Stage 4B development* (24 March, 2022)

## 3 STAGE V DEVELOPMENT

Stage V development covers an area of 2.488 ha. The stormwater treatment strategy and flood impact assessments previously reported have been completed for ultimate development conditions. All required treatment and flood mitigation measures for ultimate development conditions have now

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been completed as part of Stage 1 works. The catchment and drainage assumptions made relating to future development are still valid for Stage V development and the stormwater treatment and flood impacts previously reported are unaltered with the inclusion of Stage V development.

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