

TECHICAL MEMORANDUM

To: Richard Bender - EDQ
From: Ralph Williams - DesignFlow
Reviewed: Shaun Leinster (RPEQ 15637) - DesignFlow
Date: 24 March 2022
Subject: Carseldine Urban Village – Stormwater management to support Masterplan amendments

1 INTRODUCTION

This technical memorandum describes stormwater management (stormwater quality and flood impacts) relevant to Carseldine Urban Village to support Masterplan amendments (RPS plan reference: 12810-37R dated 21 March 2022).

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)

3 MASTERPLAN AMENDMENTS

A change to the approved masterplan (Ref:Dev2018/923/3) for the Carseldine Urban Village site is proposed and includes the following:

- Removal of the Mixed Use (High Intensity employment) (c) and replacement with Mixed Use (Parkside residential) (d)

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- Increased height from 5 storeys to 8 storeys on Voo2 and Voo3 (southern portion) of the Mixed-Use Centre (Village Heart) (a)
- Increased height from 3 storeys to 5 storeys at Voo1 (northern portion) of the Mixed-Use Centre (Village Heart) (a).

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

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