

Hydraulic Statement – Fire Tank Size and Configuration

Project: Canterbury-Bankstown Bulldogs Centre of Excellence (SSD-69627466)

This statement is provided in support of the Section 4.55 Modification Application for the proposed fire water storage tanks.

The proposed fire tank has been designed to meet the required fire service storage capacity and operational performance criteria in accordance with the project's fire engineering and hydraulic requirements.

During design development, the tank configuration was revised from the originally proposed circular tanks to a rectangular tank arrangement. This change was primarily driven by site constraints, including:

- Limited available footprint within the site boundary;
- Coordination with surrounding infrastructure, including stormwater services and site access arrangements; and

As a result of these constraints, a rectangular tank configuration represents a more suitable use of the available site area to minimise the height of the tank, while still achieving the required storage capacity and compliance with relevant fire service requirements. The adopted rectangular tank form enables efficient use of the constrained site area while maintaining the required storage volume and operational functionality.

The tank is configured to an approximate size of 2.0m (W) x 13.6m (L) x 2.5m (H).

In this context, the rectangular configuration represents a practical and appropriate design response to the physical constraints of the site, while continuing to meet the required hydraulic and fire service performance criteria

Yours sincerely,

Encore Plumbing Services NSW

A handwritten signature in black ink, appearing to read 'David Gnany', written over a horizontal line.

Authorised Signatory

Name: David Gnany

Position: Project Manager

Date: 19/06/2026