



## BOWRAL AND DISTRICT HOSPITAL REDEVELOPMENT L2 & L3 EXPANSION SSD CIVIL REPORT



Prepared for: ADCO Constructions  
By: enstruct group pty ltd  
Revision: B  
September 2019

# BOWRAL AND DISTRICT HOSPITAL REDEVELOPMENT

## L2 & L3 EXPANSION SSD CIVIL REPORT – CIVIL

### ISSUE AUTHORISATION

PROJECT: Bowral and District Hospital Redevelopment  
Project No: 5266

Rev	Date	Purpose of Issue / Nature of Revision	Prepared by	Reviewed by	Issue Authorised by
A	06/09/19	Issue for Approval	KH	PL	PL
B	17/09/19	Issue for Approval	KH	PL	PL

This report is the property of enstruct group pty ltd, and is licensed to the Client for use on this project. Reproduction of this document for this project shall only be undertaken in full. Reproduction for other purposes without the permission of enstruct group pty ltd is prohibited.

### Executive Summary

This Civil Engineering report has been prepared on behalf of NSW Health Infrastructure to accompany a Section 4.55 application to modify State Significant Development 8980 which was approved by the NSW Department of Planning, Industry and Environment on 21 February 2019 (SSDA approval). The SSDA approval was for the redevelopment of the Bowral and District Hospital, located at Nos 97-103 Bowral Street, Bowral within the Wingecarribee Shire local government area. NSW Health Infrastructure is seeking to lodge an application to modify the SSDA approval to capture minor changes to Levels 2 and 3 of the Hospital. The modifications can be summarised as follows:

#### Level 2

- Additional Level 2 floorspace to accommodate hospital service rooms and back-of-house facilities (including a Central Sterilising Department (CSD), pharmacy, and bathrooms);
- Additional 317.52 sqm GFA;
- Minor changes to roof pitch and building elevations; and
- Minor changes to cladding and façade treatment (including external materials and finishes).

#### Level 3

- Extend Level 3 floorspace to accommodate plant room and an additional egress point;
- Additional 176.4 sqm GFA;
- Suspended walkway over the roof; and
- Minor changes to external materials and finishes.

This report will address civil item related to this expansion, namely:

- Stormwater detention and peak flow reduction
- Stormwater quality
- Grading and pavements
- Parking and site access

# Contents

- 1 Introduction..... 5
- 2 Civil Engineering ..... 5
  - 2.1 Stormwater and Onsite Stormwater Detention (OSD) .....5
  - 2.2 Stormwater Quality .....5
  - 2.3 Grading and Pavements .....5
  - 2.4 Parking and Site Access.....5
- 3 Conclusion ..... 5

- 1 Introduction
 

enstruct group has been engaged by ADCO Construction as the civil engineering consultant for the redevelopment to Bowral and District Hospital.

This report has been prepared to discuss the proposed L2 and L3 expansion relating to civil infrastructure within the site and the impacts of the proposed expansion on the existing infrastructure and impact on the approved Bowral Hospital redevelopment
- 2 Civil Engineering
  - 2.1 Stormwater and Onsite Stormwater Detention (OSD)
 

OSD has been provided for the approved Bowral Hospital redevelopment. The proposed expansion of Level 2 and Level 3 will not, as there is no change to building/roof area, change the OSD requirement for the development.
  - 2.2 Stormwater Quality
 

Pollutant removal and stormwater treatment has been provided for the approved Bowral Hospital redevelopment. The proposed expansion of Level 2 and Level 3 will not, as there is no change to building/roof area, increase the pollutant removal and treatment for the development.
  - 2.3 Grading and Pavements
 

As the proposed expansion of Level 2 and Level 3 does not extend outside the building line, there are no changes to the external areas including pavements.
  - 2.4 Parking and Site Access
 

As the proposed expansion of Level 2 and Level 3 does not extend outside the building line, there are no changes to the approved parking areas including site access.
- 3 Conclusion
 

The proposed expansion of Level 2 and Level 3 does not extend outside the building line, there are no changes or impacts to the previously approved civil design.