

3 June 2019

181769 CAAA

CPB Contractors Pty Limited
Level 2, 177 Pacific Highway
North Sydney NSW 2060

Attention: Jeanette Sleiman

Wagga Wagga Hospital Redevelopment Stage 3
Civil Design Statement – Basement Carpark Extension

Dear Jeanette,

We certify that as part of the civil engineering design, TTW have reviewed the architectural plans prepared by Jacobs for the extension of the basement car park to the south of Grid 8, and as shown on Drawing IA172202-ACB-RB-DRG-1500 Rev M 13.05.2019, will not change the intent of the civil design.

All external pavements, finished ground levels, stormwater and hard landscaping works remain unchanged, and are detailed in accordance with the SSD approved civil and stormwater design, and as certified in our design certificate dated 6 May 2019, attached.

Yours faithfully,
TAYLOR THOMSON WHITTING (NSW) PTY LTD
in its capacity as trustee for the
TAYLOR THOMSON WHITTING NSW TRUST



STEPHEN BRAIN
Technical Director

\\192.168.1.186\Jobfiles\$\2018\1817\181769\Certificates\190603 Civil Design Statement Basement Extension AH Id.docx

6 May 2019

181769 CAAA

CPB Contractors Pty Limited
Level 2, 177 Pacific Highway
North Sydney NSW 2060

Attention: Jeanette Sleiman

Wagga Wagga Hospital Redevelopment Stage 3
Civil Design Certificate – Construction Certificate Stage 1

Dear Jeanette,

We certify that we have prepared the civil, stormwater and earthworks design of Wagga Wagga Hospital as shown on the list of drawings attached in accordance with the following:

- AS 2890.1 Off Street Car Parking
- AS2890.2 Off Street Car Parking – Commercial Vehicle Facilities
- AS 3500 National Plumbing and Drainage Code
- AS 3725 Loads on Buried Concrete Pipes
- AS 3600 Concrete Structures
- AS 4678 Earth Retaining Structures
- Australian Rainfall and Runoff 2016
- NSW Department of Housing Managing Urban Stormwater
- Council's Guidelines of Stormwater Drainage Systems
- Austroads Guide to Pavement Technology Part 2: Pavement Structural Design 2012
- Condition of Consent – B26 as listed below:

Consent Condition:

Stormwater Management System

B26. Prior to the commencement of the relevant work, the Applicant must design a stormwater management system for the development and submit it to the satisfaction of the Certifying Authority. The system must:

- (a) be designed by a suitably qualified and experienced person(s);
- (b) be generally in accordance with the conceptual design in the EIS;
- (c) be in accordance with applicable Australian Standards; and
- (d) ensure that the system capacity has been designed in accordance with *Australian Rainfall and Runoff* (Engineers Australia, 2016) and *Managing Urban Stormwater: Council Handbook* (EPA, 1997) guidelines.

TTW Response:

The stormwater system has been designed by a suitably qualified engineer and is generally in accordance with the engineering report and plans approved that for the Concept Design and included in the EIS. The stormwater plans are designed in accordance with AS3500, Australian Rainfall and Runoff (Engineers Australia, 2016), and Managing Urban Stormwater: Council Handbook (EPA, 1997).

Yours faithfully,

TAYLOR THOMSON WHITTING (NSW) PTY LTD
in its capacity as trustee for the
TAYLOR THOMSON WHITTING NSW TRUST**STEPHEN BRAIN**
Technical Director

\\192.168.1.186\Jobfiles\$\2018\1817\181769\Certificates\190509 revised Civil Design Certificate - Detailed Design AH Id.docx

Drawing	Revision	Title
WWH-TTW-DRW-CV-GEN-00-00-01	A	NOTES AND LEGENDS SHEET
WWH-TTW-DRW-CV-GEN-00-00-05	A	SOIL AND WATER MANAGEMENT PLAN
WWH-TTW-DRW-CV-GEN-00-00-06	A	SOIL AND WATER MANAGEMENT DETAILS
WWH-TTW-DRW-CV-GEN-00-00-21	A	BULK EARTHWORKS PLAN
WWH-TTW-DRW-CV-GEN-00-00-40	A	SITEWORKS AND STORMWATER DRAINAGE PLAN
WWH-TTW-DRW-CV-GEN-00-00-50	A	SITEWORKS AND STORMWATER DETAILS SHEET 1
WWH-TTW-DRW-CV-GEN-00-00-51	A	SITEWORKS AND STORMWATER DETAILS SHEET 2
WWH-TTW-DRW-CV-GEN-00-00-61	A	PAVEMENT DETAILED PLAN
WWH-TTW-DRW-CV-GEN-00-00-70	A	PAVEMENT DETAILS