



AJ Whipps  
Consulting  
Group

Where ingenuity flows

2/101 Union St, McMahons Point

NSW 2060 Australia

ABN: 11 077 989 158

t 61 2 8923 8444

f 61 2 8923 8484

sydney@ajwhipps.com.au

ajwhipps.com.au

Our Ref: 20150648

4 March 2016

Ecove Group  
Cnr Australia Avenue and Herb Elliott Avenue  
Sydney Olympic Park, NSW 2127

**Attention: Michael Azar,**

Dear Michael,

Re: Site 9, 3 Olympic Boulevard cnr Sarah Durack Avenue, Olympic Park  
Certificate of Stormwater Services Design

We write in reference to the proposed stormwater services design for the above mentioned project.

## Project Description

The construction of a mixed use residential building comprising of 229 units.

## Scope of Certification

The scope of this certificate is to undertake the preparation of documentation suitable for a development application which responds to the conditions noted in the Secretary's Environmental Assessment Requirements (SEAR's) for Site 9 specifically clauses 2, 13, 14 and 15

The scope of works is limited to the provision of:

1. Location, capacity and any adjustment or amplification of the existing stormwater drainage infrastructure.
2. Site stormwater connection.
3. On-site stormwater detention and inground stormwater drainage
4. Water quality measures
5. Rainwater Harvesting

Note: It should be noted that our design complies with current guidelines. However, there is a potential to amend the current rainwater harvesting approach in consultation with SOPA once the design is developed.



## Relevant Hydraulic Services Documentation

No	Title	Issue
H01	Cover Sheet	P1
H02	Concept Sediment and Erosion Control Plan	P1
H03	Sediment and Erosion Control Details	P1
H04	Concept Stormwater Management Plan	P1
H05	Details Sheet	P1

## Generic Secretary's Environmental Assessment Requirements

Based on a review of the Generic Secretary's Environmental Assessment Requirements we note the following conditions which relate to the stormwater services services.

No	Description	Notes
2.	Policies	Noted and indicated on drawings.
6.	Ecologically sustainable development	Ecologically Sustainable Development principles have been incorporated into the design by considering all aspects of water quality treatment and reuse as per the relevant authority's guidelines. During the construction stage, a concept sediment and erosion control plan has been developed to minimise any adverse environmental impacts as a result of construction activities.
10.	Utilities	Limited to Stormwater infrastructure only
13.	Sediment, Erosion and Dust Controls	Noted and indicated on drawings.
14.	Water Quality and Flooding	Water quality requirements are noted on sheet H04. An assessment of on site flood risk was undertaken. No flooding constraints were identified for this site. The site is positioned well away from any creek and overland flow paths so should not experience any impact from sea level rise. Adequate provision for overland flow paths within the site will cater for any future increases in rainfall intensities.
15.	Drainage	Noted and indicated on drawings.

## Applicable Design Standards:



This certification has been prepared in accordance with the following codes:

Standard No	Description	Year
The Building Code of Australia Clause F1.1	National Construction Code Volume 1	2014
AS 3500.3	Stormwater Drainage	2003
SOPA Stormwater Management and Water Sensitive Urban Design Policy POL 13/04	Stormwater Management	2014

## Design Statement:

Based on the above we confirm that the hydraulic services design described on the aforementioned documentation has been prepared in accordance with the relevant Codes and the nominated conditions of the development consent.

I am an appropriately qualified and competent person in this area, being a member of the Association of Hydraulic Services Consultants Australia (AHSCA), and as such can certify on behalf of AJ Whipps Consulting Group.

Full Name of Designer:	Anthony Whipps
AHSCA Certificate number :	2091
Qualifications:	Associate Diploma of Engineering (Hydraulics)
Address:	2/101 Union Street, McMahons Point NSW 2060
Telephone No:	02 8923-8444
Fax No:	02 8923-8484

Should you have any questions in relation to this certification please contact either Len Bronfentrinker or myself.

Yours Faithfully

**AJ Whipps Consulting Group**

Anthony Whipps  
Director

