

Our Ref: X12254\_Stage1\_SW\_01.docx  
Your Ref: Wallgrove Road, Stage 1  
Contact: Peter Gillam

19 March 2015

Gazcorp Pty Ltd  
230 Victoria Road  
Gladesville NSW 2111

**Attention: Mr Nabil Gazal**

Dear Nabil

**Interim Stormwater Strategy  
Stage 1 813-913 Wallgrove Road**

Please find attached updated concept stormwater management plans to support the DA for Lot 10 at the above site.

**Background**

The attached stormwater management for Lot 10 has been documented in accordance with the Stormwater Concept Plan prepared by Brown Consulting, August 2013 which prescribes on site stormwater detention and water quality measures to achieve Fairfield Council's stormwater management objectives.

The attached stormwater management plan for Lot 10 and the above site has been revised to account for a revised access road which has altered the location and size of stormwater basins under the interim and ultimate stormwater management strategy for the site.

**Interim Strategy for Stage 1**

Stage 1 of the development involves the construction of the central access road and the development of proposed Lot 10 only. OSD is to be provided for Lot 10 under the SSR and PSD requirements to be applied to all lots and temporary detention is to be provided for the access road until the future development of the overall site proceeds such that interim peak flows at each discharge point at Stage 1 does not exceed existing hydrological conditions. The storage requirement for temporary Basin Number 1 and Number 2 is 536 m<sup>3</sup> and 817 m<sup>3</sup> respectively, however once the remaining lots have been developed at a future stage, the OSD systems provided on all the lots will compensate for the impervious area of the access road as provided for under the ultimate strategy and the temporary basins can be decommissioned.

The Stormwater Concept Plan for Stage 1 is attached. (Drawing 05 of X12254.W)

**Ultimate Strategy for the Site**

The revised layout and earthworks plan for 813-913 Wallgrove Road has changed the size of several internal catchments as shown in Table 1 below.

**Table 1 – Changes to internal catchment areas to accommodate the revised access road**

	Old Catchment Area (Ha)	New Catchment Area (Ha)	Indicative % Change In Basin Size
Catchment 1	15.55	15.25	-2%
Catchment 2	13.03	10.48	-20%
Catchment 3	23.85	26.70	12%
<b>TOTAL</b>	<b>52.43</b>	<b>52.43</b>	

The changes will be factored into the design of ultimate stormwater quality and quantity management basins accordingly at the detailed design stage to be consistent with the outcomes of the original report which are to:

- Provide on-site detention (OSD) capable of reducing developed peak flows to pre-developed flows from the site for 5 year to 100 year ARI design storm events for the ultimate developed site as well as the Interim Stage 1 to manage stormwater quantity discharging from the site.
- Provide stormwater treatment which is capable of reducing pollutant loads of TSS, TP, TN and gross pollutants to the reduction targets outlined in the Sydney Metropolitan Catchment Management Authority, Interim Reference Guidelines for South East Queensland Concept Design Guidelines for WSUD.

Please don't hesitate to contact me if you have any queries with the above.

Yours Sincerely  
**Calibre Consulting**



**Peter Gillam**  
Principal - Water and Environment

#### ATTACHMENTS

1. Stormwater Concept Drawings