



LHO GROUP

LHO GROUP PTY LIMITED

HYDRAULIC, FIRE PROTECTION & CIVIL ENGINEERS

Crown Project Services Pty Ltd
L 15, 3 Spring Street
SYDNEY NSW 2000

Our Ref: 1108-0047 L02

Thursday, 12 July 2012

Attention: Mr Josh Malin

RE: NETBALL CENTRAL
Lot 201 DP 1041756 Olympic Boulevard, Sydney Olympic Park
SOP Sports Centre
FIRE SPRINKLER SERVICE WATER SUPPLY

Dear Josh,

We are writing to confirm that the intended replacement of the SOP Sport Centre building's fire sprinkler water supply will have no impact on the existing system's performance or capability. The new water supply will match the existing supply in terms of flow rate and exceed the existing supply's capacity.

This work will not change the performance requirements of the system. There is no change to the SOP Sport Centre building.

The change is necessary as the existing 135,000 litre external fire sprinkler water storage tank needs to be removed to accommodate access to the existing SOP Sport Centre and Netball Central building. The storage tank will be replaced with a 150mm diameter water supply connected to the 200mm diameter Sydney Water Corporation water main in Olympic Boulevard. It is our understanding that the storage tank was provided when constructed in about 1982 because the water supply was from near Parramatta Road and deemed a supply risk due to the length of the pipeline however with the development of Sydney Olympic Park and associated infrastructure, this risk is no longer significant and the building can be supplied in accordance with the codes, in particular AS2118, as confirmed by Eagle Consulting Group's report to SOPA dated the 21 May 2012. This report concluded the building's sprinkler system required a grade 3 water supply connection such as a 150mm diameter water supply connected to the 200mm diameter Sydney Water Corporation water main in Olympic Boulevard and did not require a water storage tank supply. The water main in Olympic Boulevard has sufficient capacity to supply the Centre being capable of flows in excess of 38 litres/second.

Yours faithfully,

LHO GROUP PTY LTD

Michael Armitage
Director