

Secretary
Department of Planning, Industry and Environment
320 Pitt Street
SYDNEY NSW 2001

Attn: Andy Nixey

Request for Comments – Stadium Australia Redevelopment (SSD 10342)

Dear Mr Nixey

I refer to your request to comment on the Response to Submissions package for SSD 10342 for the redevelopment of Stadium Australia in Sydney Olympic Park. SOPA has the following comments:

1. Stormwater Management

SOPA requested the following condition be imposed with regard to stormwater management:

Prior to the issue of a Construction Certificate, a Stormwater Management Plan (SMP) must be approved by SOPA's Director – Environment and Planning and submitted to the Certifying Authority. The SMP must be in accordance with SOPA's Water Sensitive Urban Design (WSUD) Policy and must include the following information:

- a) all stormwater catchments for the site*
- b) all stormwater drainage system elements for the site including location of the stormwater discharge from the site, long sections for all drainage elements, hydraulic grade line calculations*
- c) capacity for the existing drainage network to accommodate any local change to stormwater discharge*
- d) all elements of the stormwater treatment system*
- e) all stormwater drainage calculations and MUSIC modelling for the site*
- f) details of all stormwater connections to the existing SOPA stormwater system*
- g) details of the overland flow system and calculations to demonstrate the capacity to safely convey flow through the site including depth x velocity calculations*
- h) the maintenance and inspection schedule for the on-site stormwater systems.*

Any run-off from the playing surface, either from stormwater or irrigation systems, must be captured and treated on-site to ensure that chemical products are not discharged to SOPA's stormwater network.

All approved details for the disposal of stormwater and drainage are to be implemented in the development.

The applicant has requested that the above condition not be imposed on the development on the basis that changes to the existing stormwater discharge volumes from the site will be negligible.

The proposed development will, however, alter the way stormwater is collected, managed and discharged from the site.

The proposed development will increase the roof area of the Stadium, which, according to the Stormwater Management Plan prepared by Aurecon, necessitates an upgrade of the existing roof drainage system.

The Stormwater Management Plan also proposes that OSD would no longer be provided below the stands to accommodate major storm events, with temporary overflows discharging to the field before draining out to the Northern Water Feature.

This increases the likelihood of chemicals and fertilisers used to treat the playing surface entering the waterway. Given that the development will rely on stormwater treatment in the Northern Water Feature to meet the stormwater quality objectives of SOPA's Stormwater Management and Water Sensitive Urban Design Policy, any additional chemicals or pollutant loads need to be carefully monitored and managed.

On this basis, SOPA considers the requirement for the applicant to obtain SOPA's approval for the final Stormwater Management Plan prior to the issue of a Construction Certificate to be reasonable and relevant to the proposed development. Accordingly, SOPA requests that the above condition form part of any consent.

2. Design Excellence Strategy

SOPA supports the revised Design Excellence Strategy submitted as part of the Response to Submissions.

Should you wish to discuss any aspect of this correspondence further, please contact Dylan Sargent on (02) 9714 7139.

Yours sincerely,



Alix Carpenter
Senior Manager, Planning

04.02.2020