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ARUP

Tom Kennedy
INSW
Level 15, Macquarie House
167 Macquarie Street, Sydney
NSW 2000

Level 5
151 Clarence Street
Sydney NSW 2000
Australia
t +61 2 9320 9320
d +61 2 9320 9736
f +61 2 9320 9321
mathew.simon@arup.com
www.arup.com

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Dear Tom

Acoustic statement of effects of modified works

This letter outlines acoustic impacts resulting from changes to the modification of demolition works, approved under SSD9249.

1 Summary of modification

The modification involves removal and disposal of the ground slabs, pavements, footings and piles from the former Sydney Football Stadium. It will also include the diversion of an existing Sydney Water stormwater main through the site. The site location and location of obsolete piles are presented in Figure 1.



Figure 1: Site location and obsolete piles.

The works proposed as part of the modification will be undertaken concurrent with works approved under SSD9249. This will involve demolition of the slabs using the current excavators fitted with hammers and pulverisers. Demolished material will be carted from site for recycling and disposal at a licenced waste facility.

Removal of the footings and piles from the former Sydney Football Stadium will be undertaken using the current excavators fitted with hammers and pulverisers. The ground surrounding the piles will be unearthed to expose the pile and excavators will cut off the pile to a depth of 1.5m below proposed basement level. Waste from the pile will be transported to a licenced waste facility for recycling.

The diversion of the existing Sydney Water stormwater main will involve connecting the new pipe to the existing pit and constructing a new main to the west of the proposed stadium. These works are required to ensure the demolition of buildings approved within SSD9249 do not impact the existing stormwater servicing through the site. The existing stormwater drain through the site will be decommissioned and removed following installation and commissioning of the new drain.

It is understood the approximate duration of the modification works at SFSR will be 11 months.

2 Anticipated acoustic impacts

The loudest anticipated activities to take place as part of the modification works, identified as hammering and excavating, have been previously assessed as part of the original Stage 1 works Noise and Vibration Impact Assessment (2018-06-05 - AC01-v5_SFSR_Noise and Vibration Impact Assessment, Arup, June 2018) and appropriate recommendations were provided in accordance with the Interim Construction Noise Guideline (DECC, 2009).

Noise sensitive receivers likely to be worst affected by the modification works are located to the north of the site, along Moore Park Road, consistent with previously approved works.

No additional acoustic impacts due to the modification works are expected and therefore no mitigation measures additional to those proposed as part of the Stage 1 works acoustic assessment are considered necessary.

Yours sincerely



Mathew Simon
Senior Acoustician