

Your ref
Our ref 222061-19
File ref

ARUP

David Springford
Lendlease
Level 14, Tower Three, International Towers Sydney
Exchange Place, 300 Barangaroo Avenue
Barangaroo NSW 2000

Level 10 201 Kent Street
PO Box 76 Millers Point
Sydney 2000
Australia

t +61 2 9320 9320
d +61 2 9320 9964
f +61 2 9320 9321

joshua.milston@arup.com
www.arup.com

7 August 2018

Dear David

One Sydney Harbour Basement: Development Application Modification Transport Assessment

This letter supports a proposed modification to the approved State Significant Development Application SSD 6960, Stage 1B Basement. Lendlease seek to lodge a modification on the Basement Consent SSD6960 for the purpose of:

- Aligning the R5 core with the current R5 tower.
- Updating the plans to reflect the column grid changes in the north east area
- General alignment of the approval with the developed design
- Updating plans to reflect General structural design development

It is also noted that, under a separate approval (SSD 6966), Lendlease is seeking approval for the construction of 210 apartments including Key Worker Housing, podium retail, landscaping and allocation of 143 parking spaces. This represents a change from the original numbers that were considered under the Traffic and Transport Assessment (Feb 2016) report submitted and approved under the Barangaroo Stage 1B Basement consent (SSD 6960). This letter addresses that change.

As part of the response to submissions for the R5 building, Lendlease are seeking approval for the construction of 210 apartments including Key Worker Housing, podium retail, landscaping and allocation of 143 parking spaces in the approved Stage 1B Basement.

Previously the Arup transport assessment for the Stage 1B basement (prepared in February 2016) considered up to 775 residential dwellings. In the response to submissions for the R5 building, an increase of 59 apartments (from 151 to 210) is sought – taking the total number of dwellings to 834.

Based on the adopted peak hour traffic generation rates utilised in Arup's previous assessment, the additional 59 apartments would generate the following traffic volumes:

Peak hour	Forecast peak hour traffic generation (overall Stage 1B development)		
	Submitted DA	Proposed	Change
AM peak hour	108	116	+8
PM peak hour	69	74	+5

This forecast additional volume of traffic, that being eight and five vehicles in the AM and PM peak hours respectively, is considered negligible in the context of future traffic volumes at Barangaroo. Arup is therefore of the opinion that the findings and recommendations noted in the February 2016 traffic and transport assessment remain unchanged as a result of the proposed modifications.

Please do not hesitate to contact the undersigned should you have any questions

Yours sincerely



Joshua Milston
Associate | MIEAust CPEng