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May 7, 2020

Hang Nghiem
Design Manager
Hansen Yuncken Pty Ltd
Sydney Corporate Park
Building 1, L3, 75-85 O'Riordan Street
Alexandria NSW 2015

Re: TAFE Meadowbank ECI Phase Design Amendments - Construction Waste

This statement provides a supplementary assessment to the **TAFE Meadowbank Construction & Demolition Waste Management Plan September 2019** prepared by Waste Audit & Consultancy Services.

The following design amendments are proposed for the above development:

- Reduction of the underground car parking to the Multi Trades Hub (MTH)
- Construction of a new 2 storey carpark structure to the existing on grade parking at Building J

We have received and reviewed the following architectural plans:

- GP-AR-DA02
- GP-AR-DA03
- GP-AR-DA08
- GP-AR-DA100
- GP-AR-DA101
- GP-AR-DA102
- GP-AR-DA120
- GP-AR-DA125
- GP-AR-DA137
- GP-AR-DA11
- GP-AR-DA12

Based on our review and assessment of the above we expect a significant reduction in construction waste (excavation material) to result from the proposed design amendments.

The tables on the following page show:

- 1) Previous calculations based on 2 levels of car parking within the MTH, and
- 2) Revised calculations based on a reduction in basement car parking (drawing GP-AR-DA12)

1) Excavation Material – 2 Car Parking Levels

Materials on Site		Destination/Treatment		
Type of Material	Estimated Volume (m ³)	Onsite (Reuse/Recycle)	Offsite (Reuse/Recycle)	Disposal (Landfill)
Excavation Material	56,980 m ³	Retained onsite for reuse as fill where possible	For excavation materials leaving the site, collected and used as clean fill by waste contractor with notification of location	Material that cannot be reused will be disposed of at landfill facility

1) Revised Calculations – Reduced Car Parking

Materials on Site		Destination/Treatment		
Type of Material	Estimated Volume (m ³)	Onsite (Reuse/Recycle)	Offsite (Reuse/Recycle)	Disposal (Landfill)
Excavation Material	18,500 m ³	Retained onsite for reuse as fill where possible	For excavation materials leaving the site, collected and used as clean fill by waste contractor with notification of location	Material that cannot be reused will be disposed of at landfill facility

The net reduction in excavation material resulting from the proposed reduction in underground car parking is estimated at 38,480 cubic metres.

It is also expected that there will be additional waste resulting from construction of the new 2 storey carpark in the area currently occupied by Building J. Types and quantities of this waste are estimated as follows:

Materials on Site		Destination/Treatment		
Type of Material	Estimated Volume (m ³)	Onsite (Reuse/Recycle)	Offsite (Reuse/Recycle)	Disposal (Landfill)
Concrete from Demolition of Existing Carpark	50 m ³	Separated on site and crushed for use in paving and/or temporary internal road construction	Collected by contractor and taken to recycling facility	No disposal to landfill
Excess Steel from Construction of New Carpark	8 m ³	No onsite reuse	Collected by contractor and taken to recycling facility	No disposal to landfill
Miscellaneous Waste (formwork & other materials) from Construction of New Carpark	5 m ³	Reuse onsite where feasible; if not feasible, recycle offsite	Collected by contractor and taken to recycling facility	Dispose of to landfill any materials that are unable to be recycled

This statement has been prepared by:



Peter Hosking
 Director, Waste Audit & Consultancy Services (Aust) Pty Ltd
 May 7, 2020