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ATP Locomotive Workshops – Rail Corridor

Dear Stephen

We, Arcadis Pty Ltd, being Structural Engineers within the meaning of the Building Code of Australia, are responsible for the structural design of the above-mentioned project.

The ATP Locomotive Workshops are located adjacent to the existing railway corridors on the western border of the site on the section of rail between Redfern and Macdonaldtown stations. The new structure is to be a composite steel and concrete structure founded on piles down to the existing rock level. This has been done to ensure that the development will not have any adverse impact on the existing rail corridor and to ensure that the structure will remain independent of proposed works to the existing rail corridor.

The development is situated approximately 6 metres from the edge of the rail corridor with proposed new foundations being situated a further 6 metres from the building edge. At the site boundary, the rock level varies from approximately 2.3 metres from the surface to 5.2 metres from the surface. As such Arcadis notes that our foundations will therefore be placed outside the zone of influence of the rail corridor.

Arcadis has determined the rock levels from geotechnical information provided by Douglas Partners in report 84955.04 R.001.Rev 0 *Report on Geotechnical Investigation Locomotive Shed Redevelopment*. Refer to document for detailed geotechnical information.

The current corridor and indicative foundation levels are shown in Section A.

Yours sincerely



Nicholas Sheldrake
Assistant Discipline Manager – NSW Building Structures
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Enc. Section A – Schematic Section Through Building

NOTES:
- RLS AND HEIGHTS INDICATIVE ONLY, REFER ARCHITECTURAL
DRAWINGS FOR DETAILED RLS
- REFER DOUGLAS PARTNERS REPORT 84955.04 R.001 FOR
DETAILED GEOTECHNICAL INFORMATION

