

Date: 30 July 2020

Ref: 32160A2let

Health Infrastructure  
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**GEOTECHNICAL ASSESSMENT**  
**PROPOSED NEW MULTI-STOREY CAR PARK**  
**LIVERPOOL HEALTH + ACADEMIC PRECINCT, ELIZABETH STREET, LIVERPOOL, NSW**

This letter presents our geotechnical opinion on the possible impacts on the adjacent rail corridor (Main Southern Railway) from the construction of the proposed multi-storey car park (MSCP) at the Liverpool Health + Academic Precinct (Liverpool Hospital), and must be read in conjunction with our geotechnical investigation report, Ref. 32160A2rpt dated 27 November 2019.

The proposed MSCP will be set back 23.9m from the centreline of the near track and approximately 12m from the common boundary with the rail corridor. In existing grassed areas, excavation of topsoil and root affected soils to a maximum depth of about 0.2m will be required. The ground floor level of the proposed MSCP will be constructed at RL10.5m and will require filling above existing grade to a maximum height of about 1m to achieve design subgrade level. Retaining walls will be required to support the fill platform. Lifts are proposed towards the western end of the southern side of the MSCP; approximately 95m away from the rail corridor. Localised shallow excavations below design subgrade level will be required for the proposed lift pit.

Based on the nature of the proposed development and the horizontal set-back of the works to the rail corridor, it is our opinion that construction of the proposed MSCP will have no impact on the rail tracks or other structures (e.g. overhead wire structures) within the rail corridor.

Should you require any further information regarding the above, please do not hesitate to contact the undersigned.

Yours faithfully  
For and on behalf of  
JK GEOTECHNICS



**Andrew Jackaman**  
Principal Geotechnical Engineer

