

Date: 9 November 2021

Ref: 33177PN3 let2

Richard Crookes Constructions
Level 3, 4 Broadcast Way
ARTARMON NSW 2064

Attention: Joe Hanna
via Aconex

GEOTECHNICAL OPINION
PROPOSED SCHOOL IN MULGOA RISE
1-23 FORESTWOOD DRIVE, GLENMORE PARK, NSW

From an Aconex communication dated 5 November 2021 and discussions with Mr Joe Hanna of Richard Crookes Constructions, we understand the general design approaches detailed below are to be adopted for the proposed school:

- *All buildings*
 - *Piled - socketed into rock (to specified depth)*
 - *Flexible joint at door thresholds for GF (ie dowelled joint or corbel)*
- *Pavement slabs*
 - *Dowelled / articulated expansion joint detail between panels, or similar*
 - *Isolated larger pavements (sports court and carpark) to be designed as an independent 'floating' pavement.*
- *Services*
 - *Flexible joints at building connections*
 - *Exaggerated falls for gravity fed services*

Provided the comments and recommendations in our previous report, Ref: 33177PN2rpt Rev1 dated 29 July 2021 and letter Ref: 33177PN3 let1 dated 8 September 2021 are adopted in full, we consider the above measures will reduce the impacts that f long term consolidation of the deep fill profile could have on the proposed school.



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

Nicholas Smith
Senior Associate | Geotechnical Engineer