

1 Hartley Drive (PO Box 3337) Thornton NSW 2322 Ph (02) 4964 1811 E admin@gca.net.au ABN 92 086 017 745

www.gca.net.au

Our Reference: 18255 Your Reference:

10 August 2020

The Directors Great River NSW Pty Ltd Level 1, 2 Barrack Street Sydney NSW 2000

Dear Sirs,

Nepean Business Park, 2 Year Plan Filling Quantities

I refer to our drawing set C2000-C2009 (Rev 11) under GCA Ref: 18255C.

We have estimated 2,024,000 tonnes of material between the proposed surface contours and the existing (natural) surface (at 1 May 2020). This is calculated by multiplying a raw volume of 920,000m<sup>3</sup> between the two surfaces by a nominal placed and compacted density of 2.2 tonnes per m<sup>3</sup>.

Having regard for the area of fill to be placed (45.5 ha), we recommend that the approval is based on a gross import volume of 3,350,000 tonnes, comprising:

- 2,024,000 t Raw calculated fill
- 900,900 t Allowance for settlement (average 0.9m across site)
- 200,200 t Allowance for survey accuracy (0.2m) over 45.5ha
- 224,900 t Contingency
- 3,350,000 t Total

Yours sincerely,

Adam Shaw Principal Engineer / Director GCA Engineering Solutions

LAND DEVELOPMENT . BUILDINGS . INFRASTRUCTURE

CIVIL, STRUCTURAL & ENVIRONMENTAL ENGINEERING • WATER & WASTEWATER BUILDING DESIGN • PROJECT ADVISORY 1 of 1