



**06.03.2017**

Advertising Officer  
Development Assessment and Compliance Department  
Lake Macquarie City Council  
126-138 Main Road  
SPEERS POINT NSW 2284

**Our ref: TBA16-39200L1**

Via email: [council@lakemac.nsw.gov.au](mailto:council@lakemac.nsw.gov.au)

Dear Sir / Madam

**RE: COUNCIL DA/1940/2013/A;  
BUILDING PROPOSAL AT 367 / 413 WILTON ROAD AWABA (COMPOSTING  
WASTE MANAGEMENT FACILITY)  
Lot 372 / 373 DP 723259;  
GENERAL TERMS OF APPROVAL**

I refer to the above integrated development application referred on 06.12.2016. Attached, please find Subsidence Advisory NSW's General Terms of Approval (GTA) for the development of land as detailed in **DA/1940/2013/A**

Please note, I have also attached conditions of approval (Schedule 2). This satisfies the approval of the Subsidence Advisory NSW under *section 15 of the Mine Subsidence Act 1961*.

Should you have any questions about the attached general terms of approval I can be contacted by phone on 4908 4328 or by email at [shane.mcdonald1@finance.nsw.gov.au](mailto:shane.mcdonald1@finance.nsw.gov.au)

Yours faithfully,

**Shane McDonald**

**Risk Engineer**

6<sup>th</sup> March 2017

## GENERAL TERMS OF APPROVAL

Issued in accordance with s.91A of the Environmental Planning & Assessment Act for the development of land.

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As delegate for Subsidence Advisory NSW under delegation executed 06.03.2017, general terms of approval are granted for the development described in Schedule 1, subject to the conditions attached in Schedule 2.

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### SCHEDULE 1

Development Application: DA/1940/2013/A                      Ref: TBA16-39200L1

Site Address: 367 / 413 Wilton Road Awaba

Lot and DP: Lot 372 / 373 DP 723259

Mine Subsidence District: West Lake

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### SCHEDULE 2

#### Schedule 2: General Terms of Approval

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1. The development being undertaken in accordance with the details set out on the application form, any information submitted with the application and the plans submitted, as amended or as modified by the conditions of this approval.
2. Any proposal to modify the terms or conditions of this approval, whilst still maintaining substantially the same development to that approved, will require the submission of formal advice for consideration by Subsidence Advisory NSW. If amendments to the design result in the development not remaining substantially the same as that approved by this approval, a new Application will have to be submitted to Subsidence Advisory NSW.
3. Submit a final "*Engineering Impact Statement*" prior to commencement of detailed design for acceptance by Subsidence Advisory NSW (SANSW), it shall identify:
  - a. Mine subsidence design parameters adopted
  - b. The main building / structures elements and finishes
  - c. Proposed mine subsidence mitigation measures

4. Submit a final design for SANSW's approval prior to commencement of construction, incorporating the design measures identified in the final "*Engineering Impact Statement*". This shall include certification by a qualified structural engineer to the effect that the improvements will remain "*safe, serviceable and any damage from mine subsidence will be slight, localised and readily repairable*" taking into consideration the mine subsidence parameters:
  - a) Maximum vertical subsidence: 1100 mm
  - b) Maximum ground strain: 2 mm/m (tensile) & 4 mm/m (compressive)
  - c) Maximum tilt : 11 mm/m
  - d) Maximum radius of curvature: 5 km (hog) & 2.5 km (sag)
5. Demonstrate there are no geological anomalies such as faults that are likely to cause mine subsidence strains, tilts or curvature in excess of the design parameters. Otherwise allow for likely anomalous mine subsidence parameters in excess of item 2.
6. The final design shall ensure:
  - a. It is consistent with the design accompanying the development application.
  - b. The design of drainage structures including pipes, gutters and wet areas shall incorporate an additional grade for tilt due to mine subsidence, in excess of the minimum Code requirements.
  - c. All services and equipment shall be designed for the effects of mine subsidence. For pipes this may necessitate flexible joints, flexible bedding surround and flexible building connections / penetrations.
  - d. All services and equipment shall be located to facilitate ease of repair and replacement. Services under structures are to be minimised or otherwise routed to the nearest perimeter line.
  - e. Ensure internal finishes are installed in accordance with relevant codes and standards and industry best practice guidelines with additional provision for mine subsidence.
  - f. Ensure there is suitable provision for articulation jointing in structural elements. All control joints including articulation for mine subsidence are to be shown on the design plans and elevations.
  - g. Ensure there is suitable provision for isolation / expansion joints between the building slabs and connecting structures.
  - h. Roads and pavement areas are to be designed as a flexible pavement which may include a gravel, bitumen or asphalt surface course. If concrete is required, it shall be designed so any damage will be of a slight classification. Concrete design would include articulation jointing with expansion and crack control joints or sacrificial sections where appropriate.
7. Establish permanent survey marks to AHD so the tunnel structure can be monitored should settlement occur. Base data is to be established following installation and a further set of readings taken after 12 months. These details shall be forwarded to SANSW.
8. Upon completion of construction, submit work-as-executed drawings certified by a qualified structural engineer stating that construction was in accordance with the final design accepted by SANSW.
9. This consent supersedes the previous consent issued by the Mine Subsidence Board dated 8<sup>th</sup> March 2016.

10. This conditional approval expires 5 years after the date of issue.