

SCHEDULE 1

Application No: **TBA18-02094**
Applicant: **ROADS AND MARITIME SERVICES**
Site Address: **VARIOUS - RANKIN PARK TO JESMOND**
Lot and DP: **NA**
Proposal: **CONNECTING STAGE OF NEWCASTLE INNER CITY BYPASS**
Mine Subsidence District: **NEWCASTLE**

SCHEDULE 2

CONDITIONS OF APPROVAL

GENERAL	
Plans, Standards and Guidelines	
1.	<p>The development being undertaken strictly 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.</p> <p>Note: 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 a formal application 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 must be submitted to Subsidence Advisory NSW.</p>
2.	<p>This approval expires 5 years after the date the approval was granted if construction work has not physically commenced.</p>
PRIOR TO COMMENCEMENT OF CONSTRUCTION	
3.	<p>Prescribed Design Parameters</p> <p>The proposed structures along the alignment are to be designed to be “<i>safe, serviceable and any damage from mine subsidence shall be limited to ‘very slight’ in accordance with AS2870 (Damage Classification), and readily repairable</i>”. using the applicable subsidence design parameters for each structure outlined in Ditton Geotechnical Services Report “AUR-001/1”.</p>
4.	<p>Submit a proposal to remove the risk of mine subsidence by grouting for all areas below the 20m depth of cover isopach as defined in Ditton Geotechnical Services Report “AUR-001/1”.</p> <p>Submit for acceptance by Subsidence Advisory NSW prior to commencing work a:</p> <ol style="list-style-type: none"> a. Grout Design, including grout locations (dimensioned in plan and elevation). b. Grout Implementation Plan; including a site plan, grout locations, proposed bore locations, and grout designer’s endorsement. c. Grout Verification Plan; showing the location of verification holes and the grout designer’s endorsement. <p>On completion of grouting submit a Grout Verification Output Report endorsed by the grout designer and site verification engineers for compliance with the accepted Grouting Plan.</p>
5.	<p>Submit an “Engineering Impact Statement” prior to commencement of detailed design for acceptance by Subsidence Advisory NSW, which shall identify the:</p> <ol style="list-style-type: none"> a. Mine subsidence parameters used for the design. b. Main building elements and materials. c. Risk of damage due to mine subsidence. d. Design measures proposed to control the risks. e. Comment on the: <ul style="list-style-type: none"> • likely building damage in the event of mine subsidence.

	<ul style="list-style-type: none"> • sensitivity of the design to greater levels of mine subsidence.
6.	Submit a final design incorporating the design methodology contained in the “ <i>Engineering Impact Statement</i> ”, for acceptance by Subsidence Advisory NSW prior to commencement of construction. It shall include certification by a qualified structural engineer including a statement to the effect that the improvements will remain “ <i>safe, serviceable and any damage from mine subsidence shall be limited to ‘slight’ damage in accordance with AS2870 (Damage Classification), and readily repairable</i> ” taking into consideration the mine subsidence parameters outlined above.
7.	No buildings, structures or other improvements are to be built over or adjacent to any drifts, shaft or other mine entry unless Subsidence Advisory NSW accepts the risk of mine subsidence has been eliminated.
POST CONSTRUCTION	
8.	Establish survey monitoring reference marks on and around the circumference of the structures so that structure movement can be monitored should mine subsidence occur. A plan with the position including Easting, Northing and RL of each of the monitoring reference marks and original RLs are to be forwarded to Subsidence Advisory NSW.
9.	Upon completion of construction, works-as-executed certification by a qualified engineer is to be forwarded to Subsidence Advisory NSW confirming that construction was in accordance with the plans approved by Subsidence Advisory NSW.

Dispute Resolution

If you are dissatisfied with the determination of this application an appeal may be formally submitted with the Chief Executive Officer for an independent internal review. The application must be made in writing and must provide reasons why the determination should be changed.