Visual Amenity
Cherrabah Granite Mine February 2017

Introduction:
In preparation for the Cherrabah Granite Mining Lease Application, Ausrocks have undertaken a visual amenity assessment around the project that encompasses the Mining Lease. Using digital elevation data derived from QLD Globe and NSW Globe a visual assessment was carried out to determine how much, if any, of the development will be visible from each of the 3 nearest neighbours N1-N3 (visual receptors). In addition a physical inspection was carried out from the nearest formed road (Old-Stanthorpe Rd) to determine the likelihood of project visibility by vehicle.

Visual Receptor Locations:
Neighbour 1 is located on Lot 20 SP122955, Neighbour 2 is located on Lot 21 SP122955 and Neighbour 3 is located on Lot 22 SP122955. Each visual receptor location was chosen at the house site on each property. The neighbours are generally in a southwest to northwest direction and no other neighbours are in close proximity or general visibility in any other direction due to topography or significant distance. Due to the topographical features present in the eastern and southern directions it was considered unnecessary to assess any impacts in those directions. Old-Stanthorpe Rd is also to the northwest of the mining lease and is on the other side of N1, N2 & N3. Figure 1 identifies the locations where the visual amenity assessments were carried out (Sections S1, S2 & S3) & Old Stanthorpe Rd.

Methodology
The analysis was completed using the Cross Section tool on Global Mapper (V15.2). This tool allows the assessment of line of sight through a given topography sourced from QLD Globe and NSW Globe survey data. The analysis was carried for N1, N2 & N3 and the results are shown below in Figures 2, 3 & 4.
Amenity Assessment:

Ausrocks carried out a visual inspection along Old Stanthorpe Road on 13/12/2016 to identify areas where the proposed mine is visible. This assessment yielded no potential locations for visual amenity which is consistent with the desktop assessment given the road location and the surrounding topography and vegetation.

The cross section assessment clearly highlights the benefits of designing the mine in its current location with several ridgelines that effectively ‘screen’ the mine from surrounding sensitive receptors. In addition N2 and N3 have various infrastructure (sheds, greenhouses etc) in between the house and the mine which will further obstruct any visible amenity from the place of residence. In summary the strategic design and location of the mine has minimised the potential visual impact on the surrounding residences.