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30<sup>th</sup> June 2017

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**ATTENTION: MR DARREN GILLESPIE  
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Dear Sirs,

**RE: LEVEL ONE COMPLIANCE REPORT FOR  
BULK EARTHWORKS OPERATIONS  
FLAGSTONE CITY, STAGE 1E, JIMBOOMBA**

## 1.0 INTRODUCTION

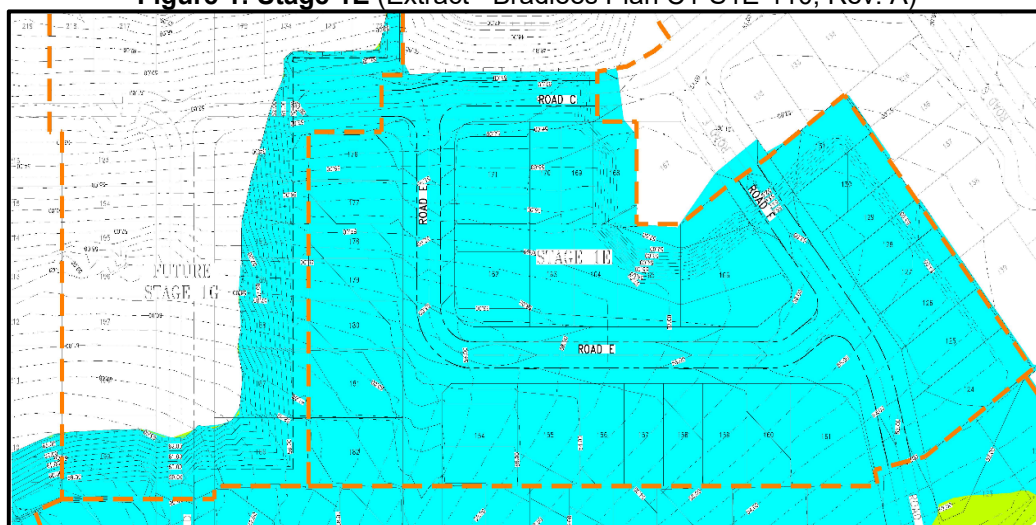
This report provides confirmation that no filling operations were carried out at the Flagstone Stage 1E Development. Earthworks operations comprised cut operations only. The work was commissioned by Mr. Darren Gillespie representing Allroads Pty Ltd (The Client), using Purchase Order: AR2087/SCA001.

Earthworks operations were carried out by The Client.

Figure 1 below shows the project earthworks plan. The light blue shaded area represents cut earthworks. All earthworks within Stage 1E is cut.

Earthworks cut operations were carried out between 23<sup>rd</sup> March 2017 and 23<sup>rd</sup> June 2017.

**Figure 1: Stage 1E (Extract - Bradlees Plan C1-S1E-110, Rev. A)**



## 2.0 METHODOLOGY

Earthworks operations were carried out using the following plant

- Large Dozer
- Excavators
- Air Track Drill Rig.
- Articulated Dump Trucks
- Water Truck

Excavation to the design earthworks levels were carried out using a combination of the following:

- Drill and Blast.
- Heavy Dozer Ripping.
- Excavators fitted with rippers and tooth buckets.

Excavated materials were loaded out using excavators and articulated dump trucks.

When the design earthworks operations were achieved, the exposed cut surfaces could be broadly summarised as:

- Sandstone Rock (DW-SW) – Distinctly weathered and slightly weathered, medium strength, medium to high strength, and high strength, fine to coarse grained, yellow brown and grey.

The cut surfaces will be covered with topsoils and other erosion protection materials.

## 3.0 EXCLUSIONS

This statement does not include any top soil which may be placed for use as dressing, trench backfill, pavement construction or any other subsequent earthworks after 23<sup>rd</sup> June 2017.

Footings and ground slabs for any structures constructed over the cut surfaces should be designed to accommodate the characteristic ground surface movements and settlement potential.

Assessments of these design parameters are beyond the scope of this Report.

## 4.0 LIMITATIONS

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If further information becomes available, or additional assumptions need to be made, Morrison Geotechnic reserves its right to amend this Report.

If you have any queries regarding the above, please contact our Brisbane office.

Yours faithfully



**LIAM McDOWALL**

For and on behalf of

**MORRISON GEOTECHNIC PTY LIMITED**