

18<sup>th</sup> March, 2016

Integra Civil,  
P.O Box 4226,  
ALFREDTON, VIC 3350

Ref: 117212  
B001-B016

Dear Sirs,

**RE: Level 1 Supervision & Testing – Lucas Estate Stage Z2.**

We were commissioned by Andrew Wade of Integra Civil to provide level 1 supervision & density testing on excavated areas within the footprints of the proposed house lots contained within Stage Z2.

We can confirm that our involvement was limited to 'Level 1' as specified in AS 3798 – 2007.

The Standard describes 'Level 1' as follows-

"The primary objective of Level 1 Inspection and Testing is for the geotechnical inspection and testing authority (GITA) to be able to express an opinion on the compliance of the work. The GITA is responsible for ensuring that the inspection and testing is sufficient for this purpose".

All density testing exceeded the requirement of 95% standard density ratio as specified in Table 5.1 of AS 3798 – 2007. On occasions where the density ratio failed to meet this requirement, the area was re-worked and re-tested.

The testing commenced between 1.5m – 0.5m below finished fill level and extended to finished fill level. The levels given in the reports are approximate levels and some small variation in levels may be expected over each individual lot.

The Level 1 Inspections and Testing covers lots 478 to 481, 494 to 496, 498 to 507 and 509 only. All reports and inspections completed on the above mentioned lots can be seen on the attached table.

**Based on the inspection and testing carried out by this office as detailed above, the fill placed on the above mentioned lots satisfies the requirements of AS 3798 SECTION 8.2 and therefore can be categorised as controlled fill.**

Should any point remain in doubt please do not hesitate to contact us.

Yours faithfully,



Daniel Gunn  
BALLARAT MANAGER  
A.S.JAMES