

28 January, 2013

Integra,  
P.O. Box 21,  
WENDOUREE, VIC 3355

Ref: 114257  
B063-B119

RECEIVED  
31 JAN 2014

Dear Sirs,

**RE: Testing – Lucas Estate, Stage B1 & B2, Alfredton**

BY: .....

We were commissioned by Ben Reus of Integra to provide density testing on excavated areas within the footprint of the proposed House Lots at Lucas Estate, Stage B1 & B2, Alfredton.

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 2.4m below finished fill level and extended to finished fill level. See reports & inspections 115182-B063-B119.

The table included lists each house lot, the test report number, the test number, the layer of fill tested, density ratio, moisture variation from optimum and result.

**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. Please note that the testing completed on lots 331,332 & 333 has not yet been fully completed and is not covered by the Level 1 certificate.**

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

Yours faithfully,



Daniel Gunn  
BALLARAT MANAGER  
A.S.JAMES



**A.S. JAMES** PTY LTD

ACN 004 584 534 ABN 40 004 584 534

**Geotechnical Engineers**

SINCE 1963

**Ballarat Office**

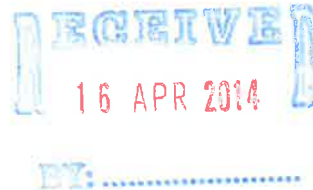
75 Humffray Street North, Ballarat Vic 3350  
P.O. Box 1319, Ballarat Mail Centre, Vic 3354  
p 03 5333 5911 f 03 5333 5925  
e asjbal@bigpond.net.au

TJH:hp

Integra

Po Box 21,

WENDOUREE VIC 3355



11 April, 2014

Attention: Paul Withers

Ref: 114257-A

Dear Sir,

RE: Lucas Estate, Stage B1 & B2, Aflredton

Following your instructions to complete Level 1 supervision and testing at the above location we have completed all reporting and laboratory testing as requested. On review of the previous reports, we have had to complete a revision of the inspection 114257-B116. No changes have been made to the results contained in report 114257-B116, the only revision made was in relation to the lots inspected.

We again stress that as of the 11/4/14 to our knowledge all density reports and inspections that relate to the above job contain the correct information regarding to results, levels and locations.

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

Yours faithfully,

DANIEL GUNN AMIEAust  
A.S. JAMES PTY LTD

HEATH PYKE  
A.S. JAMES PTY LTD