

**LOT LEVEL ONE CERTIFICATION**

**AS3798 – GUIDELINES ON EARTHWORKS FOR COMMERCIAL & RESIDENTIAL DEVELOPMENTS**

<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1116
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

The results obtained from Compaction Control Testing, together with observations made during earthworks operations indicate that all fill materials were placed in a controlled manner in accordance with good engineering practices. The earthworks have been carried out to meet the requirements of **Level 1 Certification as per AS3798 – “Guidelines on Earthworks for Commercial and Residential Developments”**.



Jacob Jones  
Laboratory Manager  
**Wagner Soil Testing**

**Notes:**

Certified (Level 1) fill is only an assurance of its density. There are sites where long-term consolidations of fill can occur, unrelated to its actual density. Sites where fill has been placed over inferior material and sites where the depth of controlled fill varies dramatically over short distances are sites where differential consolidations must be considered. Although all Field Densities carried out reached density ratios greater than 95% as required, some material still may have bearing ratios below 100kPa as per AS2870 – Residential Slabs & Footings depending on material composition. Unless otherwise stated, Level 1 Certification does not address any other geotechnical issues which may be relevant to building construction. Trench backfill operations are not covered in this Level 1 Report. Site drainage must be maintained after the issue of this report. Wagner Soil Testing is to be contacted immediately if any site levels are modified whatsoever, especially at the building preparation phase. The “supervision” component of the Level 1 report is not NATA endorsed. A full geotechnical site investigation / classification and foundation design for the specific ground conditions should be carried out by suitably qualified or experienced personnel prior to building. This service can be provided, if required, by contacting Wagner Soil Testing. For further technical support regarding this Geotechnical Report please contact Mr. Jacob Jones of Wagner Soil Testing.

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<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1117
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

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**AS3798 – GUIDELINES ON EARTHWORKS FOR COMMERCIAL & RESIDENTIAL DEVELOPMENTS**

<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1118
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

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**AS3798 – GUIDELINES ON EARTHWORKS FOR COMMERCIAL & RESIDENTIAL DEVELOPMENTS**

<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1119
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth’s Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

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**AS3798 – GUIDELINES ON EARTHWORKS FOR COMMERCIAL & RESIDENTIAL DEVELOPMENTS**

<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1100
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth’s Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

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<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1101
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

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<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1102
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

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**AS3798 – GUIDELINES ON EARTHWORKS FOR COMMERCIAL & RESIDENTIAL DEVELOPMENTS**

<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1103
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

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<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1104
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

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<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1105
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

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<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1106
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

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<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1107
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth’s Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

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<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1108
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
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<b>LOT NO:</b>	Lot 1109
<b>PROJECT NO:</b>	J20/45
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<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1110
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

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<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1111
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth’s Civil Pty Ltd.
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Certified (Level 1) fill is only an assurance of its density. There are sites where long-term consolidations of fill can occur, unrelated to its actual density. Sites where fill has been placed over inferior material and sites where the depth of controlled fill varies dramatically over short distances are sites where differential consolidations must be considered. Although all Field Densities carried out reached density ratios greater than 95% as required, some material still may have bearing ratios below 100kPa as per AS2870 – Residential Slabs & Footings depending on material composition. Unless otherwise stated, Level 1 Certification does not address any other geotechnical issues which may be relevant to building construction. Trench backfill operations are not covered in this Level 1 Report. Site drainage must be maintained after the issue of this report. Wagner Soil Testing is to be contacted immediately if any site levels are modified whatsoever, especially at the building preparation phase. The “supervision” component of the Level 1 report is not NATA endorsed. A full geotechnical site investigation / classification and foundation design for the specific ground conditions should be carried out by suitably qualified or experienced personnel prior to building. This service can be provided, if required, by contacting Wagner Soil Testing. For further technical support regarding this Geotechnical Report please contact Mr. Jacob Jones of Wagner Soil Testing.



**LOT LEVEL ONE CERTIFICATION**

**AS3798 – GUIDELINES ON EARTHWORKS FOR COMMERCIAL & RESIDENTIAL DEVELOPMENTS**

<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1112
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth’s Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

The results obtained from Compaction Control Testing, together with observations made during earthworks operations indicate that all fill materials were placed in a controlled manner in accordance with good engineering practices. The earthworks have been carried out to meet the requirements of **Level 1 Certification as per AS3798 – “Guidelines on Earthworks for Commercial and Residential Developments”**.



Jacob Jones  
Laboratory Manager  
**Wagner Soil Testing**

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**LOT LEVEL ONE CERTIFICATION**

**AS3798 – GUIDELINES ON EARTHWORKS FOR COMMERCIAL & RESIDENTIAL DEVELOPMENTS**

<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1113
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

The results obtained from Compaction Control Testing, together with observations made during earthworks operations indicate that all fill materials were placed in a controlled manner in accordance with good engineering practices. The earthworks have been carried out to meet the requirements of **Level 1 Certification as per AS3798 – “Guidelines on Earthworks for Commercial and Residential Developments”**.



Jacob Jones  
Laboratory Manager  
**Wagner Soil Testing**

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**LOT LEVEL ONE CERTIFICATION**

**AS3798 – GUIDELINES ON EARTHWORKS FOR COMMERCIAL & RESIDENTIAL DEVELOPMENTS**

<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1114
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

The results obtained from Compaction Control Testing, together with observations made during earthworks operations indicate that all fill materials were placed in a controlled manner in accordance with good engineering practices. The earthworks have been carried out to meet the requirements of **Level 1 Certification as per AS3798 – “Guidelines on Earthworks for Commercial and Residential Developments”**.



Jacob Jones  
Laboratory Manager  
**Wagner Soil Testing**

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**LOT LEVEL ONE CERTIFICATION**

**AS3798 – GUIDELINES ON EARTHWORKS FOR COMMERCIAL & RESIDENTIAL DEVELOPMENTS**

<b>PROJECT:</b>	Riverbank Estate – Stage 15
<b>LOT NO:</b>	Lot 1115
<b>PROJECT NO:</b>	J20/45
<b>EARTHWORKS CONTRACTOR:</b>	Shadforth's Civil Pty Ltd.
<b>DATE:</b>	17/06/2020

The results obtained from Compaction Control Testing, together with observations made during earthworks operations indicate that all fill materials were placed in a controlled manner in accordance with good engineering practices. The earthworks have been carried out to meet the requirements of **Level 1 Certification as per AS3798 – “Guidelines on Earthworks for Commercial and Residential Developments”**.



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