



EARTH TESTING SERVICES

EST 1996

NATA accredited facility to ISO/IEC17025

Allotment Fill Summary

Date: 18.12.23

Client: Civil Allied Technical Construction (CATCON) Pty Ltd
Job Site: Williams Lakes Stage 1A, Gawler Belt, SA 5118
Job No: 23-211
RE: Allotment Fill - 'Lot 27' Densley Avenue

Earth Testing Services (ETS) was engaged by 'CATCON Pty Ltd' to undertake site inspection services and testing to comply with the requirements of AS 3798-2007 'Guidelines for Earthworks',

Level 1- Supervision and Certification.

Site Preparation with Works Beginning: ... 21.9.23

The area, 'Lot 27' had all existing topsoil & fill material removed to enable observation and verification of firm 'undisturbed natural ground'.

Post verification (as noted above), the area was compacted, proof rolled and tested to achieve,

Minimum 95% in accordance AS1289 5.1.1 (Standard).

Site Filling:

Post preparation, suitable site won material (Clay –sandy, trace silt) was conditioned (where required), placed and compacted under the supervision of (ETS) to meet the requirements of, AS 3798, 2007 "Guidelines for Earthworks".

Frequency of testing as per Table 8.1.

All Density Tests achieved minimum 95% in accordance AS 1289 5.1.1 (Standard).

Works completed on ... 18.12.23.

Reduced Levels (average) were recorded and noted as follows,

Initial (NS) Level: R.L 90.65 (front elevation), R.L 90.20 (centre), R.L 90.52 (rear elevation) – 'Natural Surface'

Final (Fill) Level: R.L. 90.71 (front elevation), R.L 90.79 (centre), R.L. 90.86 (rear elevation) – 'Bench Level'

*The filling has been deemed "**Controlled Fill**" meeting the requirements of AS 2870, 2011 "Residential Slabs & Footings".

Exclusions:

- *Any topsoil placed after filling is not included in this summary.*
- *Any filling greater than fill levels shown on drawings or outside of defined area is not included in this summary.*
- *Does not imply any satisfaction of environmental requirements.*

Note:

1. *Levels taken are in reference to existing surrounding surface levels and relative to the AHD and provided by contractor.*

Yours faithfully,



**George Hatzi
Director.**



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Allotment Fill Summary

Date: 18.12.23

Client: Civil Allied Technical Construction (CATCON) Pty Ltd
Job Site: Williams Lakes Stage 1A, Gawler Belt, SA 5118
Job No: 23-211
RE: Allotment Fill - 'Lot 30' Densley Avenue

Earth Testing Services (ETS) was engaged by 'CATCON Pty Ltd' to undertake site inspection services and testing to comply with the requirements of AS 3798-2007 'Guidelines for Earthworks',

Level 1- Supervision and Certification.

Site Preparation with Works Beginning: ... 21.9.23

The area, 'Lot 30' had all existing topsoil & fill material removed to enable observation and verification of firm 'undisturbed natural ground'.

Post verification (as noted above), the area was compacted, proof rolled and tested to achieve,

Minimum 95% in accordance AS1289 5.1.1 (Standard).

Site Filling:

Post preparation, suitable site won material (Clay –sandy, trace silt) was conditioned (where required), placed and compacted under the supervision of (ETS) to meet the requirements of, AS 3798, 2007 "Guidelines for Earthworks".

Frequency of testing as per Table 8.1.

All Density Tests achieved minimum 95% in accordance AS 1289 5.1.1 (Standard).

Works completed on ... 18.12.23.

Reduced Levels (average) were recorded and noted as follows,

Initial (NS) Level: R.L 90.90 (front elevation), R.L 90.85 (centre), R.L 90.60 (rear elevation) – 'Natural Surface'

Final (Fill) Level: R.L. 91.00 (front elevation), R.L 91.08 (centre), R.L. 91.16 (rear elevation) – 'Bench Level'

*The filling has been deemed "**Controlled Fill**" meeting the requirements of AS 2870, 2011 "Residential Slabs & Footings".

P.O. Box 220 Henley Beach SA 5022
U2 24 Pentland Road Salisbury South 5106
ABN: 70 613 207 766

Ph: (08) 8250 5675
E: earth@earthtestingservices.com.au

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Exclusions:

- *Any topsoil placed after filling is not included in this summary.*
- *Any filling greater than fill levels shown on drawings or outside of defined area is not included in this summary.*
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Note:

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Yours faithfully,



**George Hatzi
Director.**



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Allotment Fill Summary

Date: 18.12.23

Client: Civil Allied Technical Construction (CATCON) Pty Ltd
Job Site: Williams Lakes Stage 1A, Gawler Belt, SA 5118
Job No: 23-211
RE: Allotment Fill - 'Lot 29' Densley Avenue

Earth Testing Services (ETS) was engaged by 'CATCON Pty Ltd' to undertake site inspection services and testing to comply with the requirements of AS 3798-2007 'Guidelines for Earthworks',

Level 1- Supervision and Certification.

Site Preparation with Works Beginning: ... 21.9.23

The area, 'Lot 29' had all existing topsoil & fill material removed to enable observation and verification of firm 'undisturbed natural ground'.

Post verification (as noted above), the area was compacted, proof rolled and tested to achieve,

Minimum 95% in accordance AS1289 5.1.1 (Standard).

Site Filling:

Post preparation, suitable site won material (Clay –sandy, trace silt) was conditioned (where required), placed and compacted under the supervision of (ETS) to meet the requirements of, AS 3798, 2007 "Guidelines for Earthworks".

Frequency of testing as per Table 8.1.

All Density Tests achieved minimum 95% in accordance AS 1289 5.1.1 (Standard).

Works completed on ... 18.12.23.

Reduced Levels (average) were recorded and noted as follows,

Initial (NS) Level: R.L 90.85 (front elevation), R.L 90.75 (centre), R.L 90.60 (rear elevation) – 'Natural Surface'

Final (Fill) Level: R.L. 90.90 (front elevation), R.L 90.98 (centre), R.L. 91.05 (rear elevation) – 'Bench Level'

*The filling has been deemed "**Controlled Fill**" meeting the requirements of AS 2870, 2011 "Residential Slabs & Footings".

Exclusions:

- Any topsoil placed after filling is not included in this summary.
- Any filling greater than fill levels shown on drawings or outside of defined area is not included in this summary.
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Note:

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Yours faithfully,



George Hatzi
Director.



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Allotment Fill Summary

Date: 18.12.23

Client: Civil Allied Technical Construction (CATCON) Pty Ltd
Job Site: Williams Lakes Stage 1A, Gawler Belt, SA 5118
Job No: 23-211
RE: Allotment Fill - 'Lot 25' Densley Avenue

Earth Testing Services (ETS) was engaged by 'CATCON Pty Ltd' to undertake site inspection services and testing to comply with the requirements of AS 3798-2007 'Guidelines for Earthworks',

Level 1- Supervision and Certification.

Site Preparation with Works Beginning: ... 21.9.23

The area, 'Lot 25' had all existing topsoil & fill material removed to enable observation and verification of firm 'undisturbed natural ground'.

Post verification (as noted above), the area was compacted, proof rolled and tested to achieve,

Minimum 95% in accordance AS1289 5.1.1 (Standard).

Site Filling:

Post preparation, suitable site won material (Clay –sandy, trace silt) was conditioned (where required), placed and compacted under the supervision of (ETS) to meet the requirements of, AS 3798, 2007 "Guidelines for Earthworks".

Frequency of testing as per Table 8.1.

All Density Tests achieved minimum 95% in accordance AS 1289 5.1.1 (Standard).

Works completed on ... 18.12.23.

Reduced Levels (average) were recorded and noted as follows,

Initial (NS) Level: R.L 90.30 (front elevation), R.L 90.20 (centre), R.L 90.05 (rear elevation) – 'Natural Surface'

Final (Fill) Level: R.L. 90.52 (front elevation), R.L 90.59 (centre), R.L. 90.66 (rear elevation) – 'Bench Level'

*The filling has been deemed "**Controlled Fill**" meeting the requirements of AS 2870, 2011 "Residential Slabs & Footings".

Exclusions:

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- Any filling greater than fill levels shown on drawings or outside of defined area is not included in this summary.
- Does not imply any satisfaction of environmental requirements.

Note:

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Yours faithfully,



George Hatzi
Director.



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Allotment Fill Summary

Date: 18.12.23

Client: Civil Allied Technical Construction (CATCON) Pty Ltd
Job Site: Williams Lakes Stage 1A, Gawler Belt, SA 5118
Job No: 23-211
RE: Allotment Fill - 'Lot 26' Densley Avenue

Earth Testing Services (ETS) was engaged by 'CATCON Pty Ltd' to undertake site inspection services and testing to comply with the requirements of AS 3798-2007 'Guidelines for Earthworks',

Level 1- Supervision and Certification.

Site Preparation with Works Beginning: ... 21.9.23

The area, 'Lot 26' had all existing topsoil & fill material removed to enable observation and verification of firm 'undisturbed natural ground'.

Post verification (as noted above), the area was compacted, proof rolled and tested to achieve,

Minimum 95% in accordance AS1289 5.1.1 (Standard).

Site Filling:

Post preparation, suitable site won material (Clay –sandy, trace silt) was conditioned (where required), placed and compacted under the supervision of (ETS) to meet the requirements of, AS 3798, 2007 "Guidelines for Earthworks".

Frequency of testing as per Table 8.1.

All Density Tests achieved minimum 95% in accordance AS 1289 5.1.1 (Standard).

Works completed on ... 18.12.23.

Reduced Levels (average) were recorded and noted as follows,

Initial (NS) Level: R.L 90.55 (front elevation), R.L 90.35 (centre), R.L 90.20 (rear elevation) – 'Natural Surface'

Final (Fill) Level: R.L. 90.62 (front elevation), R.L 90.69 (centre), R.L. 90.76 (rear elevation) – 'Bench Level'

*The filling has been deemed "**Controlled Fill**" meeting the requirements of AS 2870, 2011 "Residential Slabs & Footings".

Exclusions:

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- *Any filling greater than fill levels shown on drawings or outside of defined area is not included in this summary.*
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Note:

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Yours faithfully,



**George Hatzi
Director.**



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Allotment Fill Summary

Date: 18.12.23

Client: Civil Allied Technical Construction (CATCON) Pty Ltd
Job Site: Williams Lakes Stage 1A, Gawler Belt, SA 5118
Job No: 23-211
RE: Allotment Fill - 'Lot 28' Densley Avenue

Earth Testing Services (ETS) was engaged by 'CATCON Pty Ltd' to undertake site inspection services and testing to comply with the requirements of AS 3798-2007 'Guidelines for Earthworks',

Level 1- Supervision and Certification.

Site Preparation with Works Beginning: ... 21.9.23

The area, 'Lot 28' had all existing topsoil & fill material removed to enable observation and verification of firm 'undisturbed natural ground'.

Post verification (as noted above), the area was compacted, proof rolled and tested to achieve,

Minimum 95% in accordance AS1289 5.1.1 (Standard).

Site Filling:

Post preparation, suitable site won material (Clay –sandy, trace silt) was conditioned (where required), placed and compacted under the supervision of (ETS) to meet the requirements of, AS 3798, 2007 "Guidelines for Earthworks".

Frequency of testing as per Table 8.1.

All Density Tests achieved minimum 95% in accordance AS 1289 5.1.1 (Standard).

Works completed on ... 18.12.23.

Reduced Levels (average) were recorded and noted as follows,

Initial (NS) Level: R.L 90.90 (front elevation), R.L 90.90 (centre), R.L 90.75 (rear elevation) – 'Natural Surface'

Final (Fill) Level: R.L. 90.80 (front elevation), R.L 90.90 (centre), R.L. 90.95 (rear elevation) – 'Bench Level'

*The filling has been deemed "**Controlled Fill**" meeting the requirements of AS 2870, 2011 "Residential Slabs & Footings".

Exclusions:

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- *Any filling greater than fill levels shown on drawings or outside of defined area is not included in this summary.*
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Note:

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Yours faithfully,



**George Hatzi
Director.**



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Allotment Fill Summary

Date: 18.12.23

Client: Civil Allied Technical Construction (CATCON) Pty Ltd
Job Site: Williams Lakes Stage 1A, Gawler Belt, SA 5118
Job No: 23-211
RE: Allotment Fill - 'Lot 24' Densley Avenue

Earth Testing Services (ETS) was engaged by 'CATCON Pty Ltd' to undertake site inspection services and testing to comply with the requirements of AS 3798-2007 'Guidelines for Earthworks',

Level 1- Supervision and Certification.

Site Preparation with Works Beginning: ... 21.9.23

The area, 'Lot 24' had all existing topsoil & fill material removed to enable observation and verification of firm 'undisturbed natural ground'.

Post verification (as noted above), the area was compacted, proof rolled and tested to achieve,

Minimum 95% in accordance AS1289 5.1.1 (Standard).

Site Filling:

Post preparation, suitable site won material (Clay –sandy, trace silt) was conditioned (where required), placed and compacted under the supervision of (ETS) to meet the requirements of, AS 3798, 2007 "Guidelines for Earthworks".

Frequency of testing as per Table 8.1.

All Density Tests achieved minimum 95% in accordance AS 1289 5.1.1 (Standard).

Works completed on ... 18.12.23.

Reduced Levels (average) were recorded and noted as follows,

Initial (NS) Level: R.L 90.15 (front elevation), R.L 90.05 (centre), R.L 89.95 (rear elevation) – 'Natural Surface'

Final (Fill) Level: R.L. 90.44 (front elevation), R.L 90.52 (centre), R.L. 90.59 (rear elevation) – 'Bench Level'

*The filling has been deemed "**Controlled Fill**" meeting the requirements of AS 2870, 2011 "Residential Slabs & Footings".

Exclusions:

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Note:

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Yours faithfully,



**George Hatzi
Director.**



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Allotment Fill Summary

Date: 18.12.23

Client: Civil Allied Technical Construction (CATCON) Pty Ltd
Job Site: Williams Lakes Stage 1A, Gawler Belt, SA 5118
Job No: 23-211
RE: Allotment Fill - 'Lot 23' Homestead Crescent

Earth Testing Services (ETS) was engaged by 'CATCON Pty Ltd' to undertake site inspection services and testing to comply with the requirements of AS 3798-2007 'Guidelines for Earthworks',

Level 1- Supervision and Certification.

Site Preparation with Works Beginning: ... 21.9.23

The area, 'Lot 23' had all existing topsoil & fill material removed to enable observation and verification of firm 'undisturbed natural ground'.

Post verification (as noted above), the area was compacted, proof rolled and tested to achieve,

Minimum 95% in accordance AS1289 5.1.1 (Standard).

Site Filling:

Post preparation, suitable site won material (Clay –sandy, trace silt) was conditioned (where required), placed and compacted under the supervision of (ETS) to meet the requirements of, AS 3798, 2007 "Guidelines for Earthworks".

Frequency of testing as per Table 8.1.

All Density Tests achieved minimum 95% in accordance AS 1289 5.1.1 (Standard).

Works completed on ... 18.12.23.

Reduced Levels (average) were recorded and noted as follows,

Initial (NS) Level: R.L 89.80 (front elevation), R.L 89.90 (centre), R.L 90.03 (rear elevation) – 'Natural Surface'

Final (Fill) Level: R.L. 89.87 (front elevation), R.L 90.15 (centre), R.L. 90.45 (rear elevation) – 'Bench Level'

*The filling has been deemed "**Controlled Fill**" meeting the requirements of AS 2870, 2011 "Residential Slabs & Footings".

Exclusions:

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- *Any filling greater than fill levels shown on drawings or outside of defined area is not included in this summary.*
- *Does not imply any satisfaction of environmental requirements.*

Note:

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Yours faithfully,



**George Hatzi
Director.**



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Allotment Fill Summary

Date: 18.12.23

Client: Civil Allied Technical Construction (CATCON) Pty Ltd
Job Site: Williams Lakes Stage 1A, Gawler Belt, SA 5118
Job No: 23-211
RE: Allotment Fill - 'Lot 22' Homestead Crescent

Earth Testing Services (ETS) was engaged by 'CATCON Pty Ltd' to undertake site inspection services and testing to comply with the requirements of AS 3798-2007 'Guidelines for Earthworks',

Level 1- Supervision and Certification.

Site Preparation with Works Beginning: ... 21.9.23

The area, 'Lot 22' had all existing topsoil & fill material removed to enable observation and verification of firm 'undisturbed natural ground'.

Post verification (as noted above), the area was compacted, proof rolled and tested to achieve,

Minimum 95% in accordance AS1289 5.1.1 (Standard).

Site Filling:

Post preparation, suitable site won material (Clay –sandy, trace silt) was conditioned (where required), placed and compacted under the supervision of (ETS) to meet the requirements of, AS 3798, 2007 "Guidelines for Earthworks".

Frequency of testing as per Table 8.1.

All Density Tests achieved minimum 95% in accordance AS 1289 5.1.1 (Standard).

Works completed on ... 18.12.23.

Reduced Levels (average) were recorded and noted as follows,

Initial (NS) Level: R.L 89.70 (front elevation), R.L 89.77 (centre), R.L 89.90 (rear elevation) – 'Natural Surface'

Final (Fill) Level: R.L. 89.78 (front elevation), R.L 90.15 (centre), R.L. 90.52 (rear elevation) – 'Bench Level'

*The filling has been deemed "**Controlled Fill**" meeting the requirements of AS 2870, 2011 "Residential Slabs & Footings".

Exclusions:

- Any topsoil placed after filling is not included in this summary.
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Yours faithfully,



George Hatzi
Director.



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Allotment Fill Summary

Date: 18.12.23

Client: Civil Allied Technical Construction (CATCON) Pty Ltd
Job Site: Williams Lakes Stage 1A, Gawler Belt, SA 5118
Job No: 23-211
RE: Allotment Fill - 'Lot 21' Homestead Crescent

Earth Testing Services (ETS) was engaged by 'CATCON Pty Ltd' to undertake site inspection services and testing to comply with the requirements of AS 3798-2007 'Guidelines for Earthworks',

Level 1- Supervision and Certification.

Site Preparation with Works Beginning: ... 21.9.23

The area, 'Lot 21' had all existing topsoil & fill material removed to enable observation and verification of firm 'undisturbed natural ground'.

Post verification (as noted above), the area was compacted, proof rolled and tested to achieve,

Minimum 95% in accordance AS1289 5.1.1 (Standard).

Site Filling:

Post preparation, suitable site won material (Clay –sandy, trace silt) was conditioned (where required), placed and compacted under the supervision of (ETS) to meet the requirements of, AS 3798, 2007 "Guidelines for Earthworks".

Frequency of testing as per Table 8.1.

All Density Tests achieved minimum 95% in accordance AS 1289 5.1.1 (Standard).

Works completed on ... 18.12.23.

Reduced Levels (average) were recorded and noted as follows,

Initial (NS) Level: R.L 89.10 (front elevation), R.L 89.65 (centre), R.L 89.75 (rear elevation) – 'Natural Surface'

Final (Fill) Level: R.L. 89.67 (front elevation), R.L 89.68 (centre), R.L. 89.68 (rear elevation) – 'Bench Level'

*The filling has been deemed "**Controlled Fill**" meeting the requirements of AS 2870, 2011 "Residential Slabs & Footings".

Exclusions:

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- *Any filling greater than fill levels shown on drawings or outside of defined area is not included in this summary.*
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Yours faithfully,



**George Hatzi
Director.**