

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 502

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 502 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 300mm below finished surface level. The final 300mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "an area of work that is essentially homogenous in relation to material type and moisture condition, rolling response and compaction technique, and which has been used for the assessment of the relative compaction of an area of work" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m<sup>2</sup> in area and across several house lots.

A GITA Inspection Verification report (Reference: D21626A) has been published on 19 Aug 2021 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 503

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 503 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 300mm below finished surface level. The final 300mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "an area of work that is essentially homogenous in relation to material type and moisture condition, rolling response and compaction technique, and which has been used for the assessment of the relative compaction of an area of work" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m<sup>2</sup> in area and across several house lots.

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 504

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 504 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 300mm below finished surface level. The final 300mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "an area of work that is essentially homogenous in relation to material type and moisture condition, rolling response and compaction technique, and which has been used for the assessment of the relative compaction of an area of work" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m<sup>2</sup> in area and across several house lots.

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 505

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 505 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 506

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 506 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 300mm below finished surface level. The final 300mm material is considered top soil and organic matter and not controlled fill.
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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 507

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

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For and on behalf of  
**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 508

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 509

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager



19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 510

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 510 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 511

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 511 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

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For and on behalf of  
**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 545

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 545 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 546

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 546 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 547

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 547 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 558

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 558 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 559

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 559 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 560

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Lot 560 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager



19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 561

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 562

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 562 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

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For and on behalf of  
**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 563

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- Compaction tests results documented in a level 1 GITA report verify the construction methods observed on site are satisfactory. Testing is conducted with random sampling across an area of work that is defined in the Australian Standard as a "lot" which is "an area of work that is essentially homogenous in relation to material type and moisture condition, rolling response and compaction technique, and which has been used for the assessment of the relative compaction of an area of work" (AS 3798-2007). As such, any test completed is representative of an area that may be up to 2500m<sup>2</sup> in area and across several house lots.

A GITA Inspection Verification report (Reference: D21626A) has been published on 19 Aug 2021 and documents that the allotment earthworks were carried out in accordance with AS3798 and in compliance with the project specification provided by the contractor.

For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 564

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

Lot 564 as defined in drawing Ref 6751 E/05 from *Breese Pitt Dixon Pty Ltd*, provided by the contractor, was included in the scope of works.

With regard to any fill placement please consider the following:

- Controlled fill was placed up to 300mm below finished surface level. The final 300mm material is considered top soil and organic matter and not controlled fill.
- Verification of finished surface level to design levels is outside of the scope of the GITA Inspection and Verification report.
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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 565

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 566

*Terra Firma Laboratories was engaged by Lojac Civil Pty Ltd as the Geotechnical and Inspection Testing Authority (GITA) to provide Level 1 supervision and testing on the earthworks component for Opalia Estate, Stage 5, Melton in accordance with Australian Standard AS3798 Guidelines for Earthworks for Commercial and Residential Development.*

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 567

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager

19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 568

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For and on behalf of

**Terra Firma Laboratories**



C Caulfield  
Project Manager



19 Aug 2021

TO WHOM IT MAY CONCERN

Re: Opalia Estate Stage 5  
Melton  
Lot 569

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Project Manager