

# *Elite* SOIL TESTING PTY LTD

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ABN: 97 113 538 748

ACN: 113 538 748

## **Riverparks Stage 18** **Pauls Road, Upper Caboolture.**



Report Date: 14<sup>th</sup> August 2024

Job Number: J24082

Contractor: Carruthers Contracting

Superintendent: Covey Associates

Principle Client: Northerly Projects Pty Ltd

# Table of Contents

SCOPE OF WORKS .....	3
THE PROJECT .....	4
FILL FOUNDATION .....	4
CONTROLLED FILL.....	4
FIELD DENSITY LOCATIONS .....	4
TEST RESULTS.....	4
CONCLUSION .....	5

APPENDIX A                      Site Progress Photos

APPENDIX B                      Controlled Fill Certificates

Job No. J24082  
Wednesday, 14 August 2024

Carruthers Contracting  
Po Box 306  
Yandina, Qld 4561

Attention: Mr. Paul McAnally

**RE: Riverparks Stage 18.**

## **SCOPE OF WORKS**

Elite Soil Testing was commissioned by Carruthers Contracting to provide Geotechnical Inspection and Testing on a “Level 1” basis in accordance with SECTION 8 of AS 3798-2007 “Guidelines on Earthworks for Commercial and Residential Developments”.

The primary objective of Level One Inspection and Testing is for the GITA to be able to express an opinion on the compliance of the work. The GITA is responsible for ensuring that inspections and testing are sufficient for this purpose and that personnel are on site while earthwork operations are undertaken. Such operations include the supervision of following:

- (a) Removal of topsoil.
- (b) Foundation approval.
- (c) Test/ proof rolling.
- (d) Placement of fill material.
- (e) Compaction and moisture conditioning of fill material.
- (f) Testing of insitu and fill materials.

This report is provided to show conformity with the “Level 1” specification in accordance with SECTION 8 of AS 3798-2007 “Guidelines on Earthworks for Commercial and Residential Developments” for the various stages of earthworks associated with this project. Refer to Appendix B for Certificates of Controlled Filling.

## **THE PROJECT**

The project encompasses the construction of 11 new residential allotments with its associated infrastructure including roadwork's, stormwater drainage plus sewer and water reticulation. Earthwork's operations were carried out between 15<sup>th</sup> July to the 5<sup>th</sup> August 2024.

Some filling was required as part of the development and for this work the scope of the Level 1 inspection and testing was:

- (i) Carry out inspection of proposed fill areas to check adequacy of fill foundation.
- (ii) Provide supervision and compaction control testing of placed fill materials.

## **FILL FOUNDATION**

The stripped surfaces of proposed fill areas were inspected, and proof rolled prior to placement and compaction of fill. Compliance of the fill foundation and approval to begin filling these areas was granted when inspections showed completion of removal of topsoil and or organics and remediation of any uncontrolled fill material as well as soundness (minimum deflection) under test rolling.

## **CONTROLLED FILL**

Onsite material was considered suitable for use as controlled fill. This fill material was moisture conditioned and placed in near-horizontal layers of uniform thickness across the fill area. Each fill layer was placed and compacted using the following plant: Grader, excavators, front end loader, padfoot roller and water truck.

## **FIELD DENSITY LOCATIONS**

Field density test locations were selected at random and staggered across the fill areas. The test locations as described on the Field Density Report were not professionally surveyed and should only be considered as the approximate location.

## **TEST RESULTS**

Test results on fill foundation and controlled fill placed under supervision indicate that the minimum specification requirement of greater than 95% Dry Density Ratio in accordance with AS1289 .5.3.1, 5.8.1, 5.1.1, 5.4.1 (standard compaction test) was achieved.

**CONCLUSION**

We confirm that vegetation, topsoil, and any unsuitable materials were removed and that a sound base for the proposed filling was provided. We confirm that the results obtained from compaction control testing, together with observations made during supervised earthworks operations, indicate that the fill materials placed to design levels can be termed as "Controlled Fill".

This report is limited to within the dates of earthworks mentioned and areas shown. The limitations on Level 1 Certification unless otherwise stated in this report do not address or include slope stability, soft, reactive, or contaminated soils, backfill to trenches and/or retaining walls, excavated trenches/ pits and topsoil placed after controlled filling. Information provided in this report is based on that which has been provided by the client and third parties. Elite Soil Testing have relied upon this information and presumed its accuracy. If further assumptions are to be added Elite Soil Testing reserves the right to amend this report.

This report is produced for the clients and the relevant statutory authorities. It is not to be used or released in whole or in part for any manner by any other party.



Anthony Jeffrey  
Managing Director

# Appendix A

## SITE PROGRESS PHOTOS







# Appendix B

## CONTROLLED FILL CERTIFICATES

# Elite SOIL TESTING PTY LTD

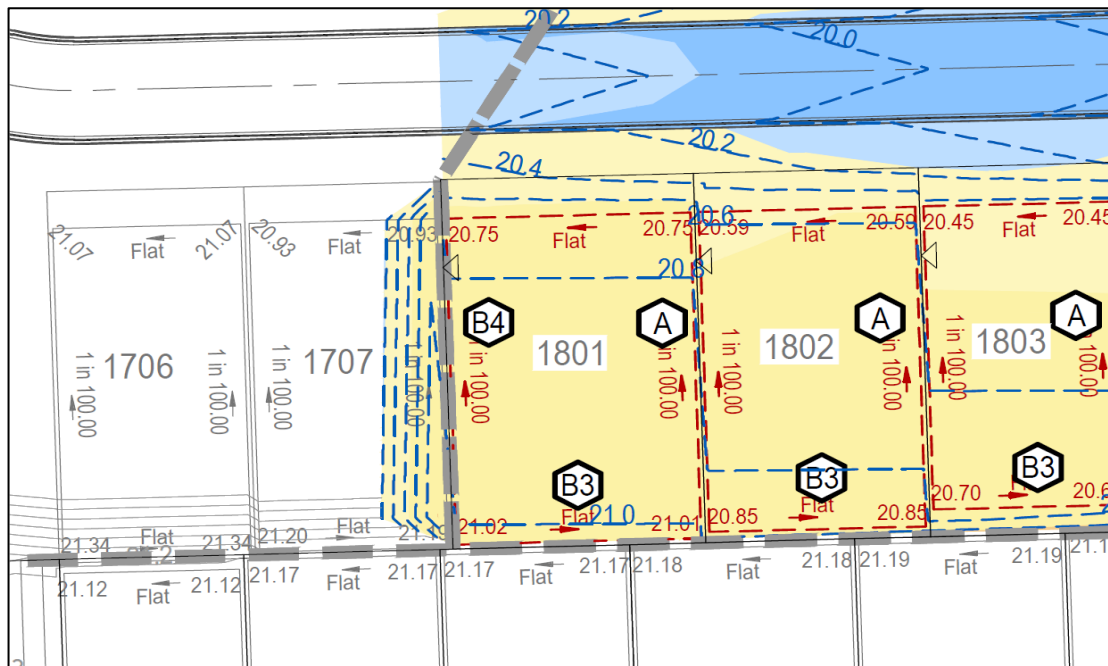
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## CERTIFICATE OF CONTROLLED FILLING EARTHWORKS OPERATIONS (AS3798-2007 SECTION 8 – Level 1) Riverparks Stage 18 Pauls Street, Upper Caboolture. Lot 1801



 Approximate lateral extent and maximum depth of controlled filling to 1.0m.  
Level 1 Certification is limited to within this area.

Filling in the areas defined above have been carried out to meet the requirements of the specification and Level 1 Certification as per AS3798 – 2007 “Guidelines on Earthworks for Commercial and Residential Developments” and is considered to be ‘Controlled Fill’ as defined in AS2870 “Residential Slabs & Footings”.

A geotechnical site investigation and foundation design for the specific ground conditions should be carried out on this lot prior to building, when house type and location is known.

Anthony Jeffrey  
Managing Director

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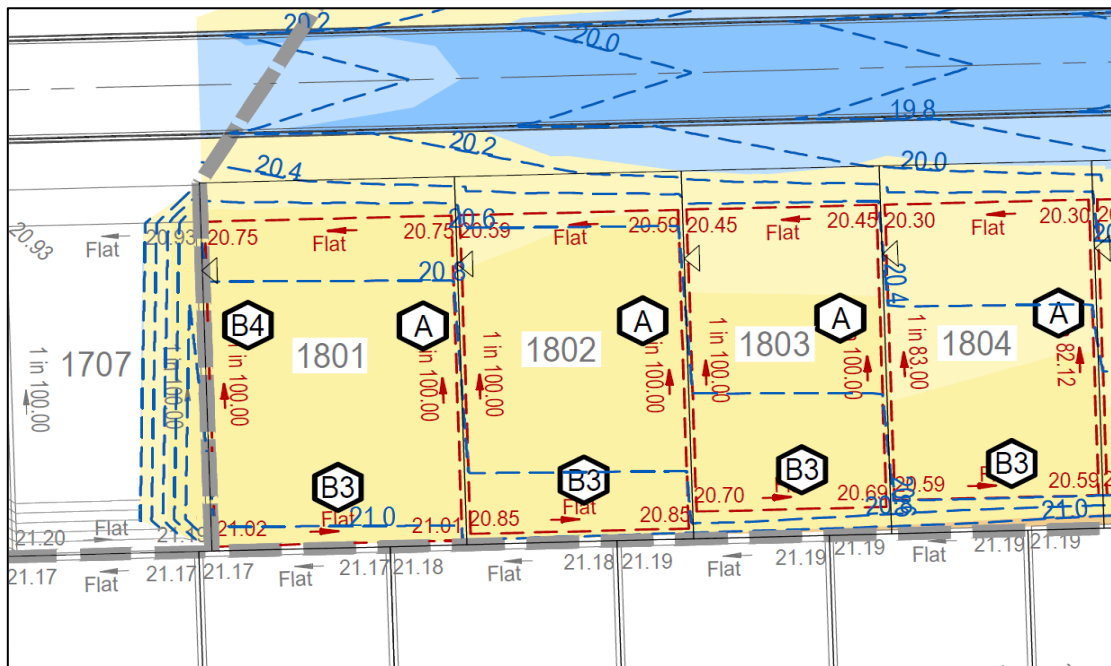
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## CERTIFICATE OF CONTROLLED FILLING EARTHWORKS OPERATIONS (AS3798-2007 SECTION 8 – Level 1) Riverparks Stage 18 Pauls Street, Upper Caboolture. Lot 1802



 Approximate lateral extent and maximum depth of controlled filling to 1.0m.  
Level 1 Certification is limited to within this area.

Filling in the areas defined above have been carried out to meet the requirements of the specification and Level 1 Certification as per AS3798 – 2007 “Guidelines on Earthworks for Commercial and Residential Developments” and is considered to be ‘Controlled Fill’ as defined in AS2870 “Residential Slabs & Footings”.

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Managing Director

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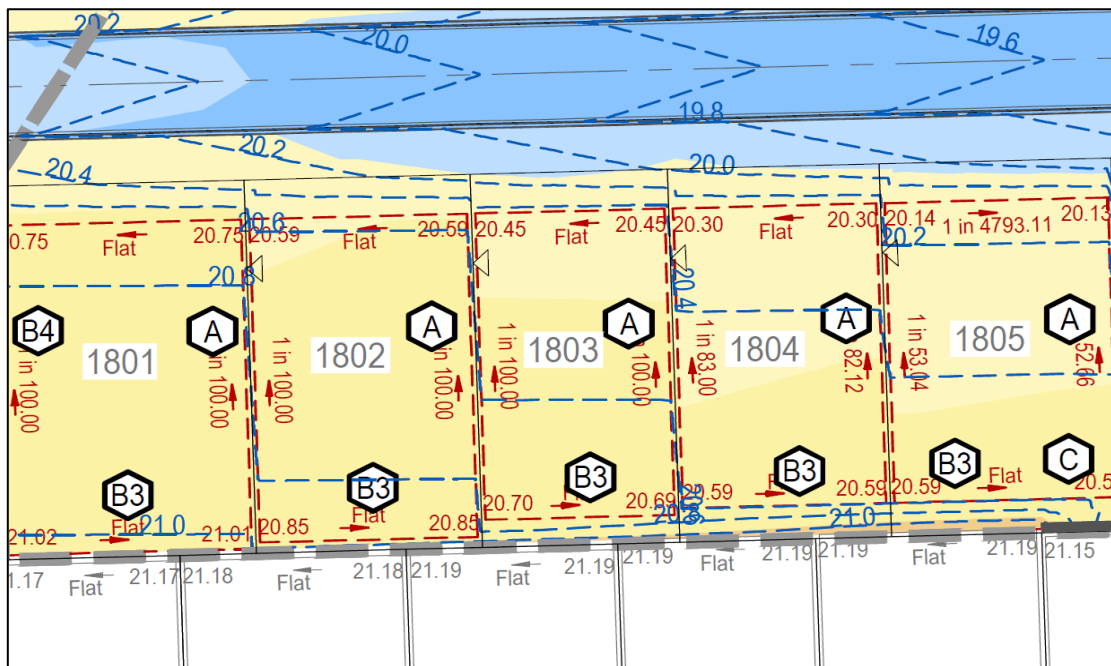
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 Approximate lateral extent and maximum depth of controlled filling to 0.9m.  
Level 1 Certification is limited to within this area.

Filling in the areas defined above have been carried out to meet the requirements of the specification and Level 1 Certification as per AS3798 – 2007 “Guidelines on Earthworks for Commercial and Residential Developments” and is considered to be ‘Controlled Fill’ as defined in AS2870 “Residential Slabs & Footings”.

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Managing Director

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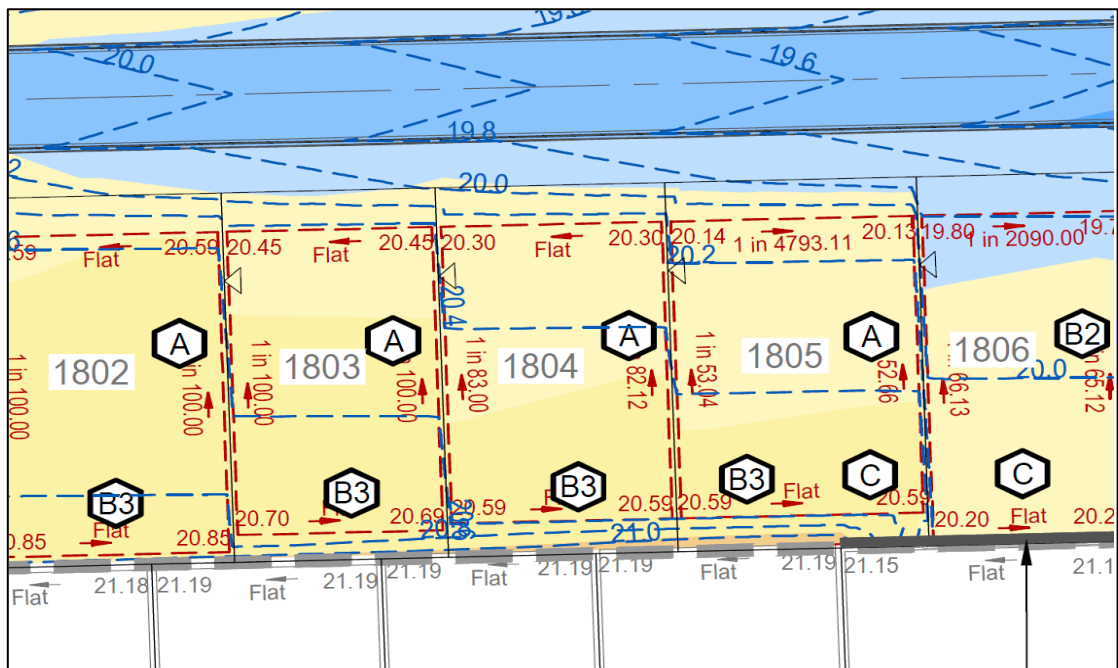
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## CERTIFICATE OF CONTROLLED FILLING EARTHWORKS OPERATIONS (AS3798-2007 SECTION 8 – Level 1) Riverparks Stage 18 Pauls Street, Upper Caboolture. Lot 1804



 Approximate lateral extent and maximum depth of controlled filling to 0.8m.  
Level 1 Certification is limited to within this area.

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Managing Director

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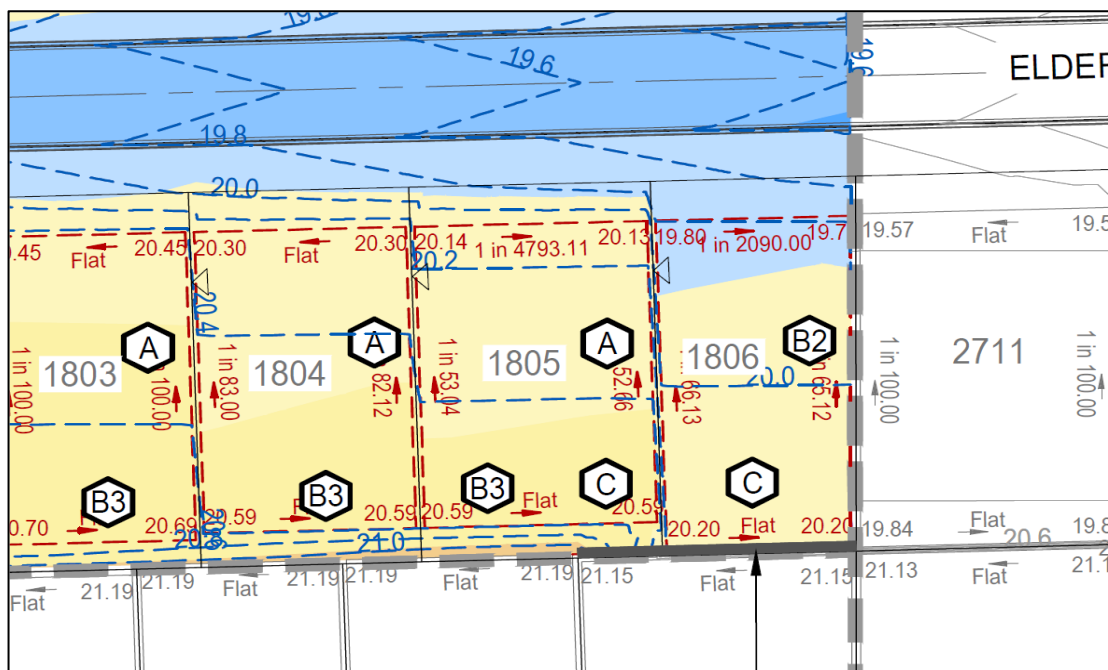
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**CERTIFICATE OF CONTROLLED FILLING  
EARTHWORKS OPERATIONS  
(AS3798-2007 SECTION 8 – Level 1)  
Riverparks Stage 18  
Pauls Street, Upper Caboolture.  
Lot 1805**



Approximate lateral extent and maximum depth of controlled filling to 0.8m.  
Level 1 Certification is limited to within this area.

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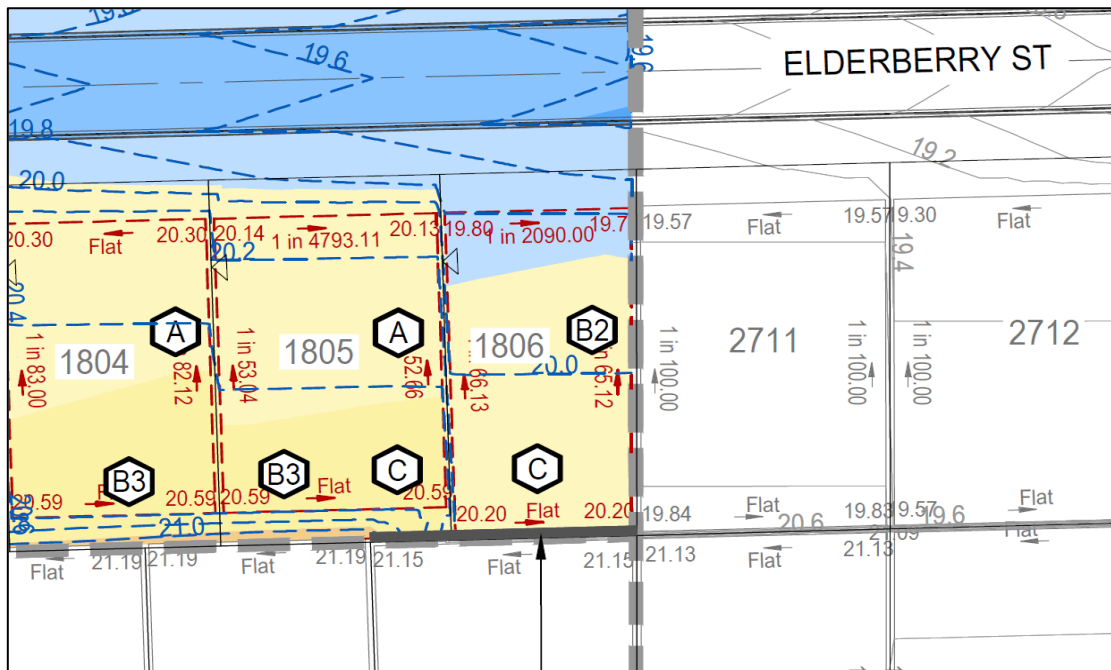
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## CERTIFICATE OF CONTROLLED FILLING EARTHWORKS OPERATIONS (AS3798-2007 SECTION 8 – Level 1) Riverparks Stage 18 Pauls Street, Upper Caboolture. Lot 1806



 Approximate lateral extent and maximum depth of controlled filling to 0.7m.  
Level 1 Certification is limited to within this area.

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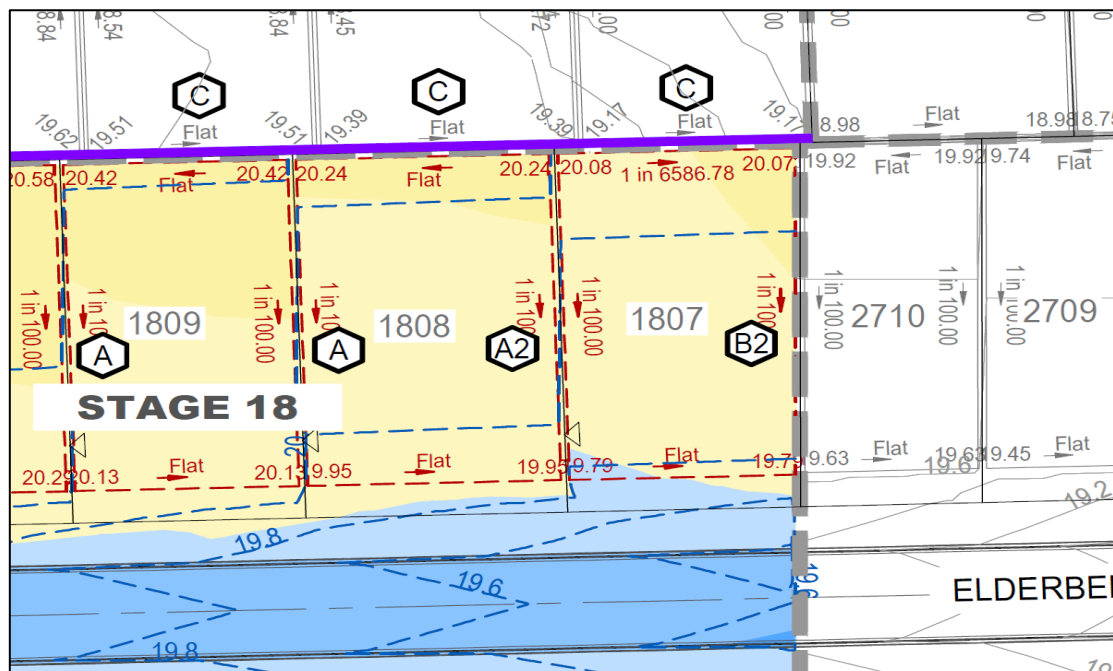
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## CERTIFICATE OF CONTROLLED FILLING EARTHWORKS OPERATIONS (AS3798-2007 SECTION 8 – Level 1) Riverparks Stage 18 Pauls Street, Upper Caboolture. Lot 1807



 Approximate lateral extent and maximum depth of controlled filling to 0.8m.  
Level 1 Certification is limited to within this area.

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Managing Director



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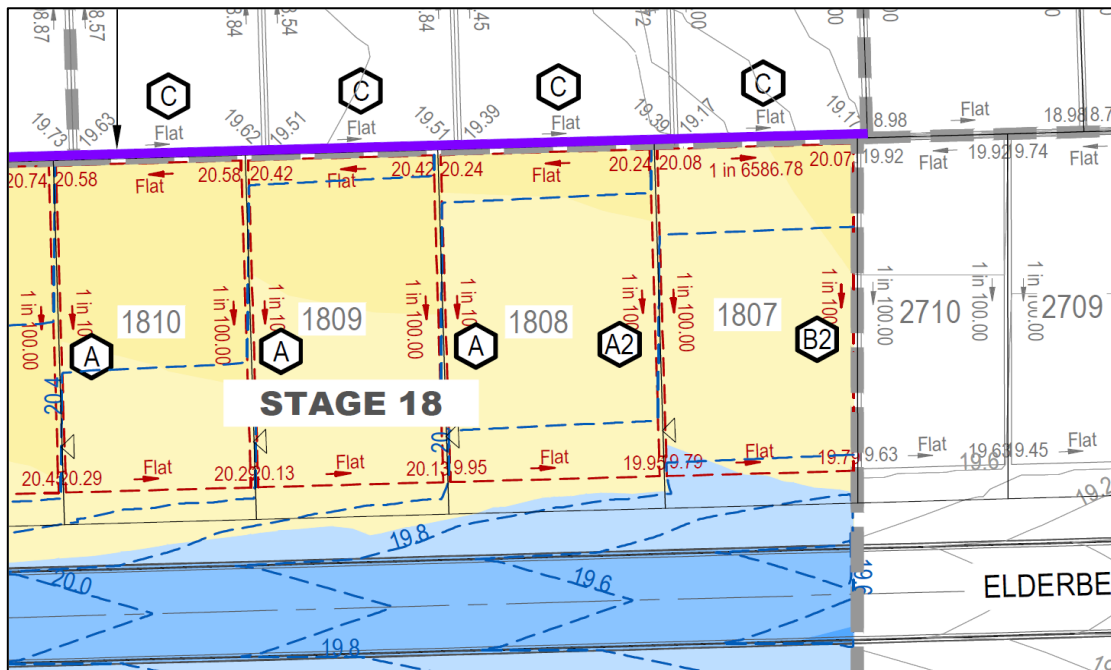
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Riverparks Stage 18  
Pauls Street, Upper Caboolture.  
Lot 1808**



 Approximate lateral extent and maximum depth of controlled filling to 0.8m.  
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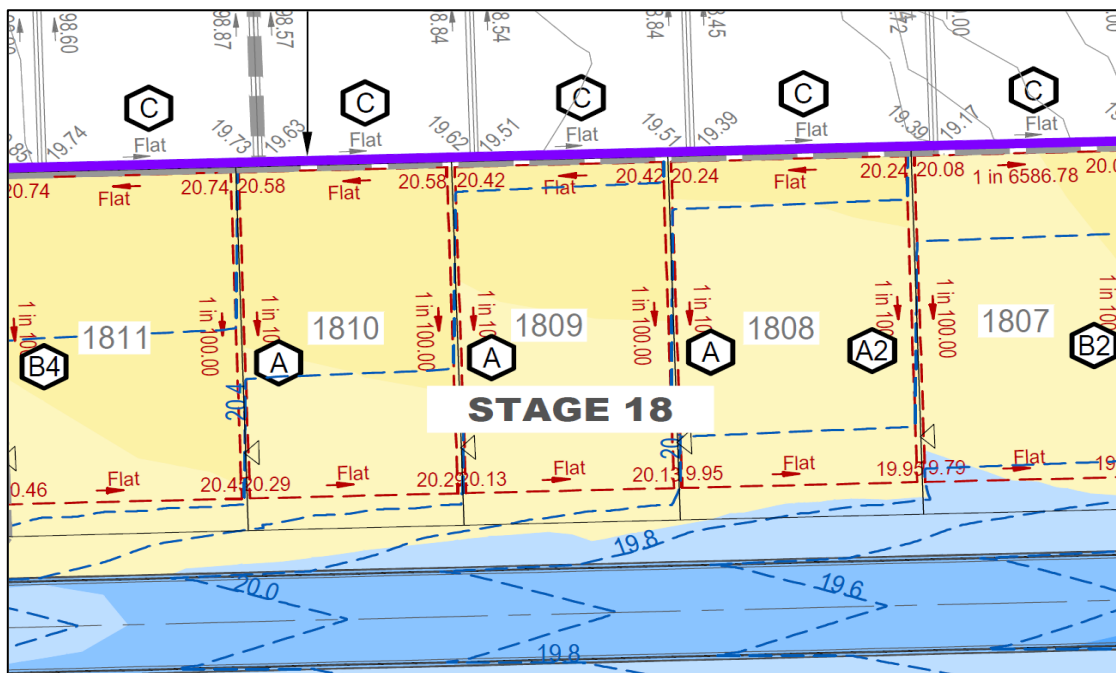
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 Approximate lateral extent and maximum depth of controlled filling to 1.7m.  
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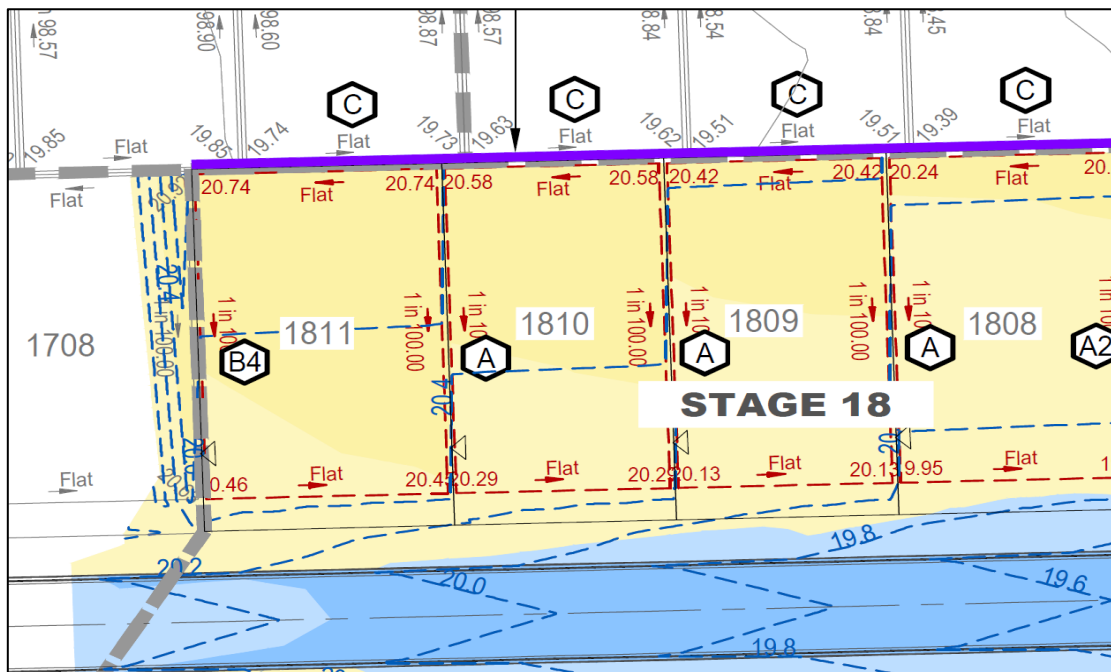
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 Approximate lateral extent and maximum depth of controlled filling to 1.0m.  
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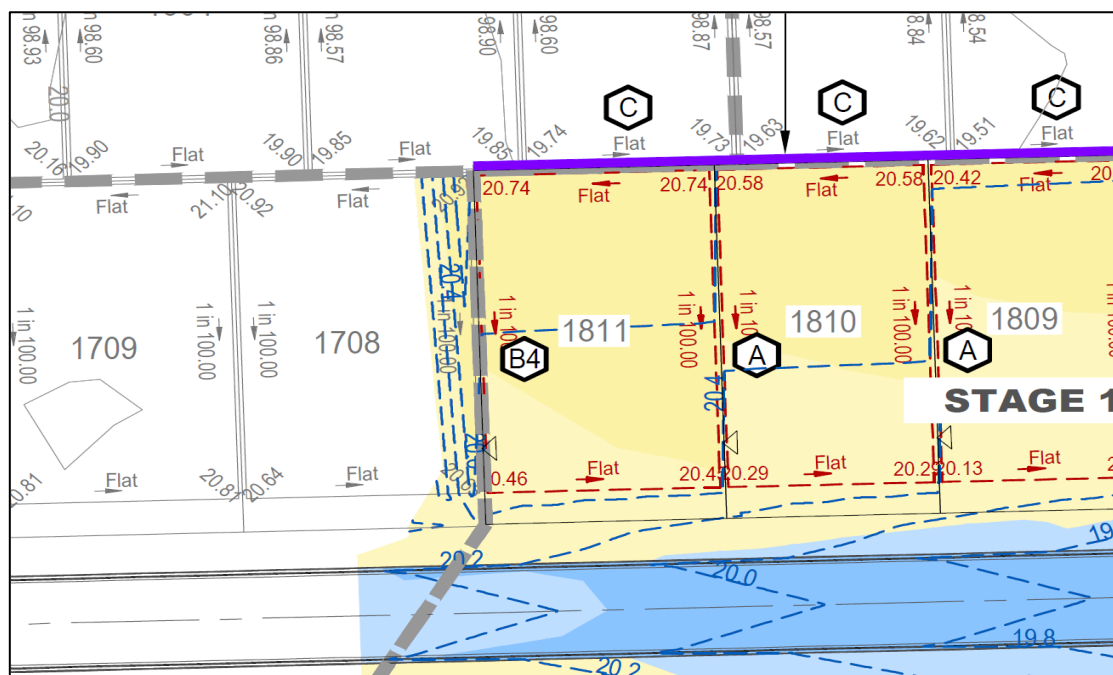
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## CERTIFICATE OF CONTROLLED FILLING EARTHWORKS OPERATIONS (AS3798-2007 SECTION 8 – Level 1) Riverparks Stage 18 Pauls Street, Upper Caboolture. Lot 1811



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