

# **BURNHAM QUARRY**

LANDSCAPE AND VISUAL ASSESSMENT GRAPHIC SUPPLEMENT

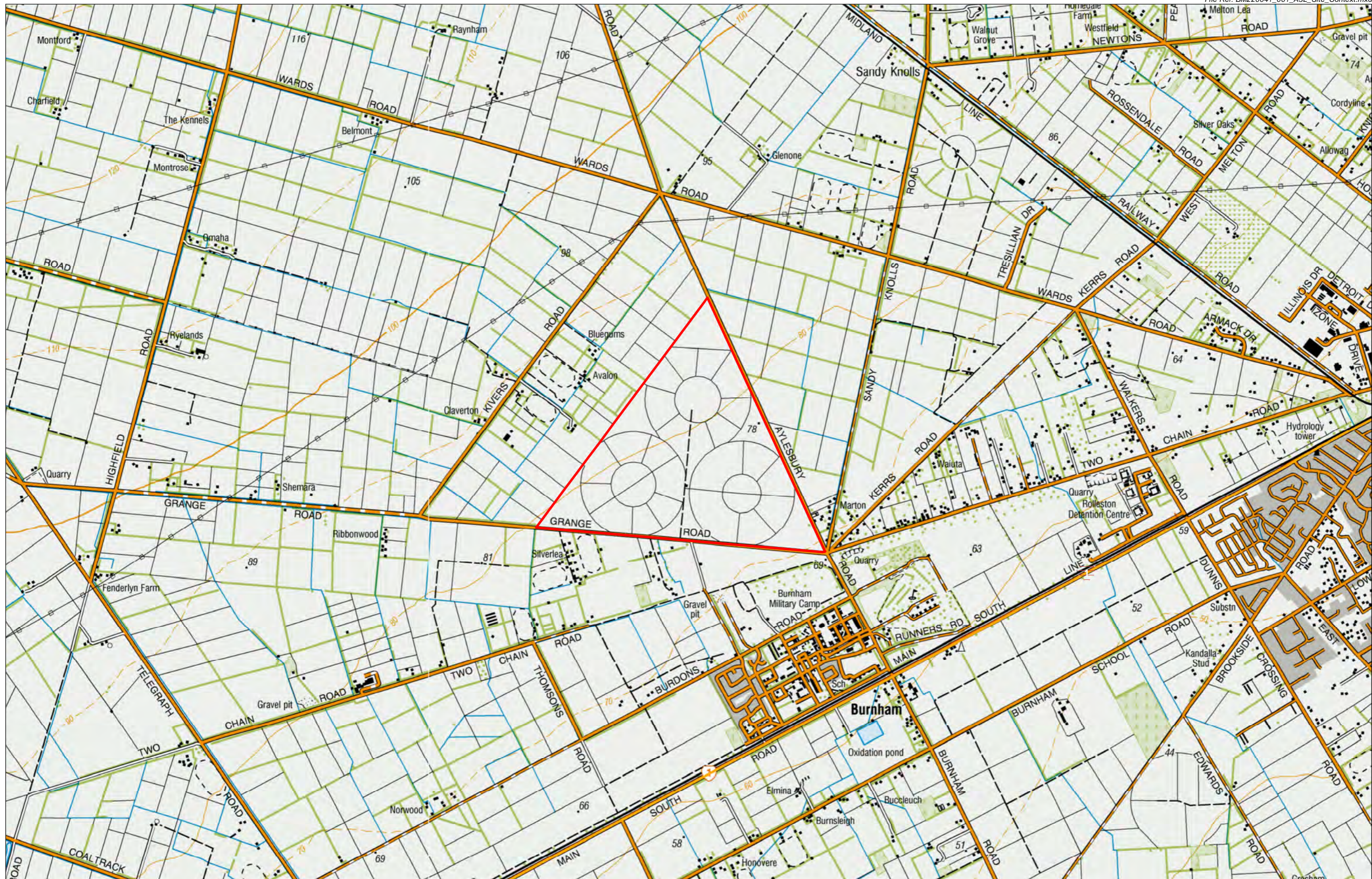
21 August 2023

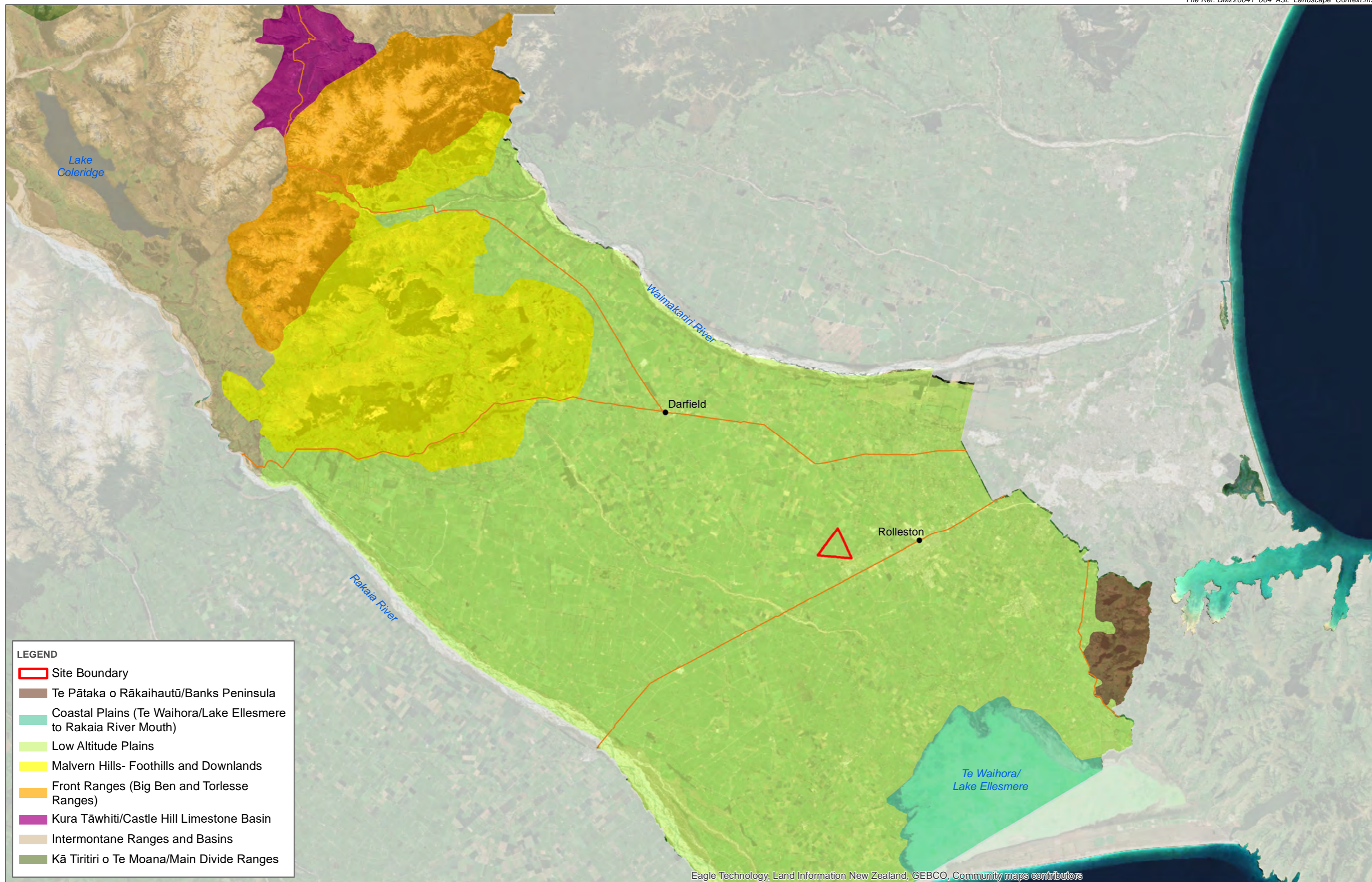


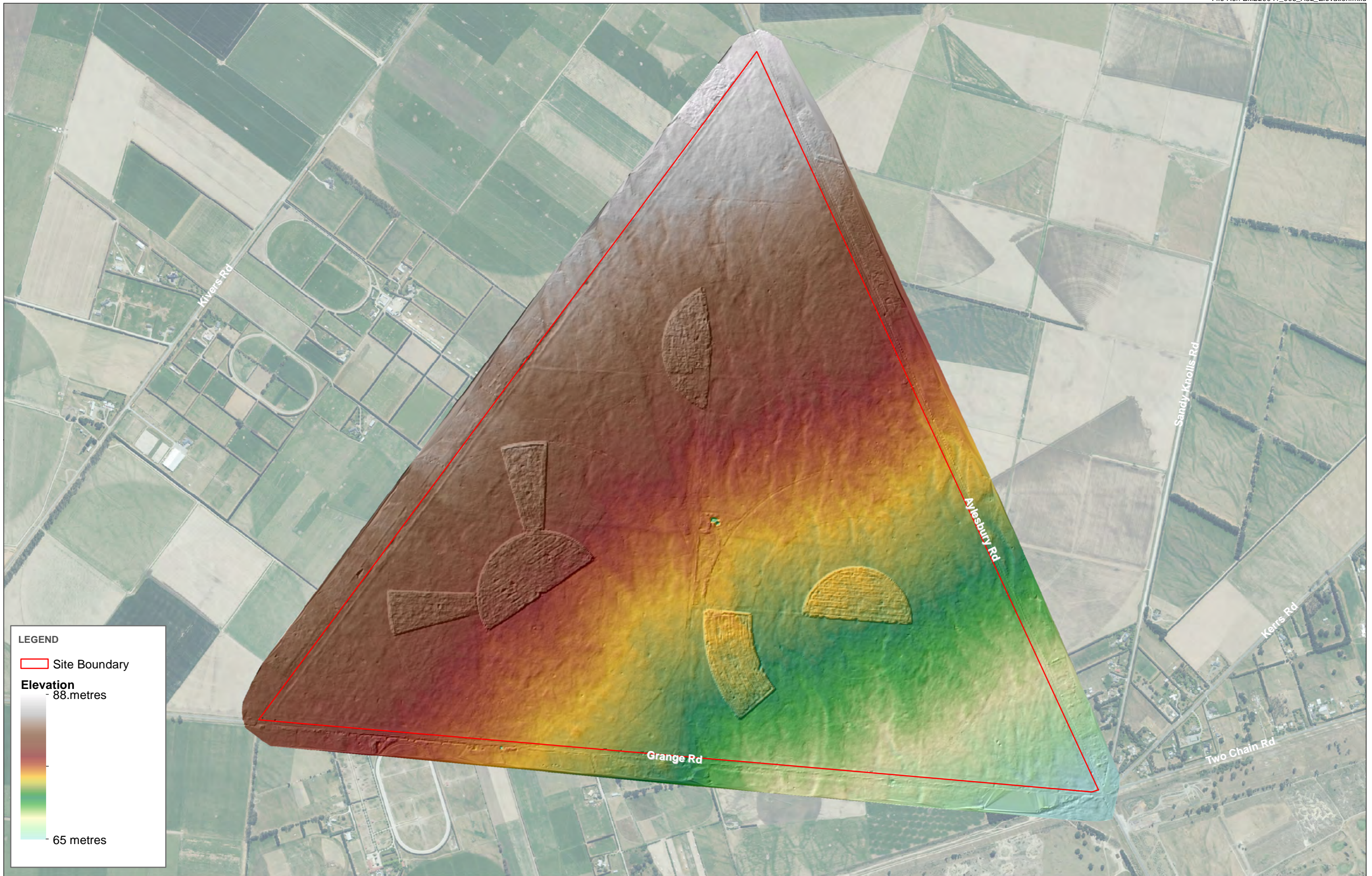


# CONTENTS

FIGURE 1: Site Context	1
FIGURE 2: Landscape Context	2
FIGURE 3: Elevation	3
FIGURE 4: Site Appraisal	4
FIGURE 5: Visual Appraisal	5
FIGURE 6: Operative District Plan Zoning	6
FIGURE 7: Partially Operative Selwyn District Plan (Decisions Version) Zoning	7
Site Appraisal Photographs A - B	8
Site Appraisal Photographs C - D	9
Site Appraisal Photographs E - F	10
Site Context Photographs 1 - 2	11
Site Context Photographs 3 - 4	12
Site Context Photographs 5 - 6	13
FIGURE 8a: Quarry Staging	14
FIGURE 8b: Quarry Staging	15
FIGURE 9: Quarry Entrance and Proposed Plant Palette	16
FIGURE 10: Landscape Strategy	17
FIGURE 11: Grange Road Farm Access	18







**LEGEND**

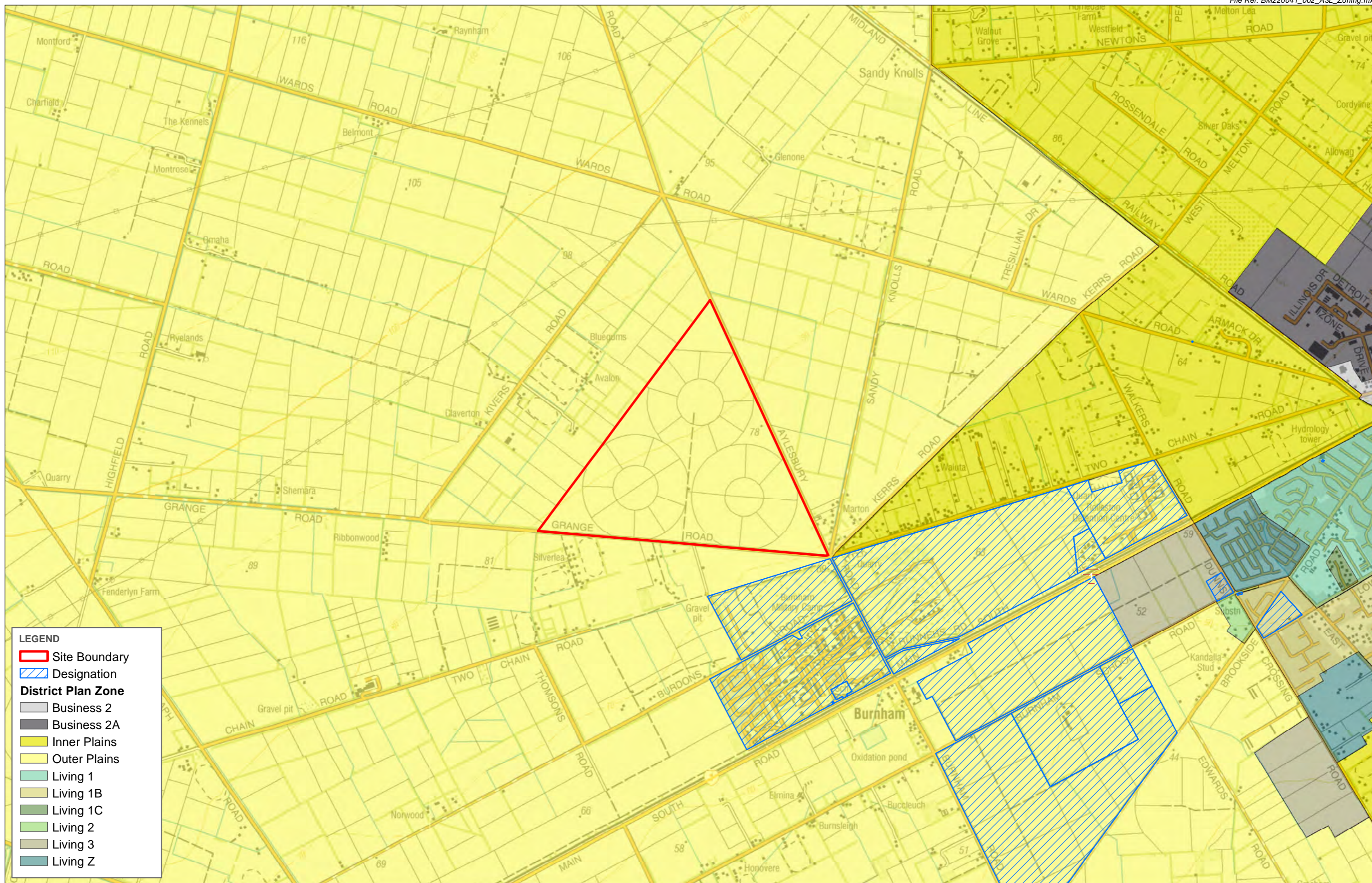
Site Boundary

**Elevation**  
- 88 metres

- 65 metres







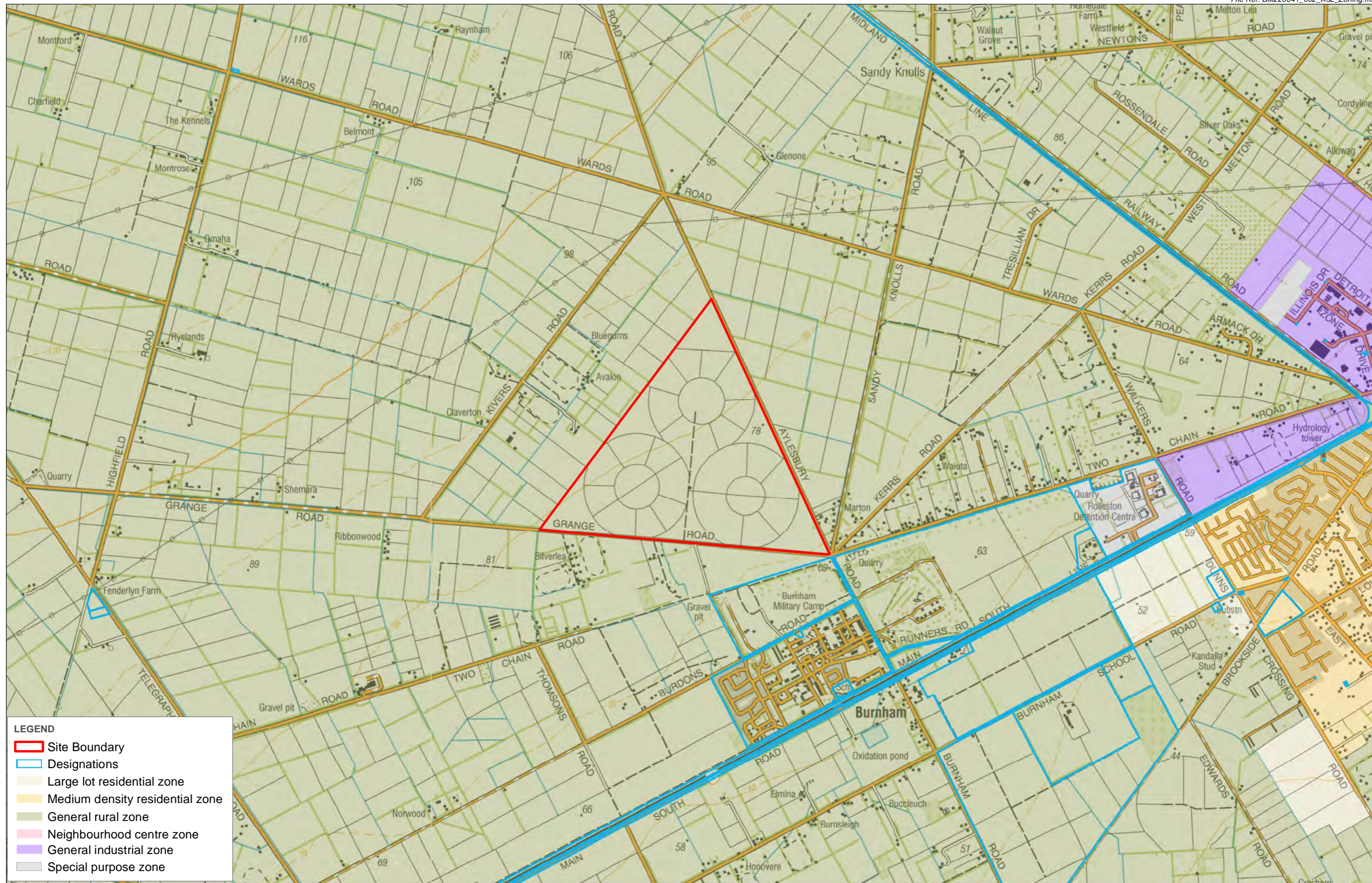
**LEGEND**

- Site Boundary
- Designation

**District Plan Zone**

- Business 2
- Business 2A
- Inner Plains
- Outer Plains
- Living 1
- Living 1B
- Living 1C
- Living 2
- Living 3
- Living Z





**LEGEND**

- Site Boundary
- Designations
- Large lot residential zone
- Medium density residential zone
- General rural zone
- Neighbourhood centre zone
- General industrial zone
- Special purpose zone



Site Appraisal Photograph A: View from the centre of the Site near the existing farm base looking north. This photograph demonstrates the existing structures within the Site including shipping containers, silos, and pivot irrigators.



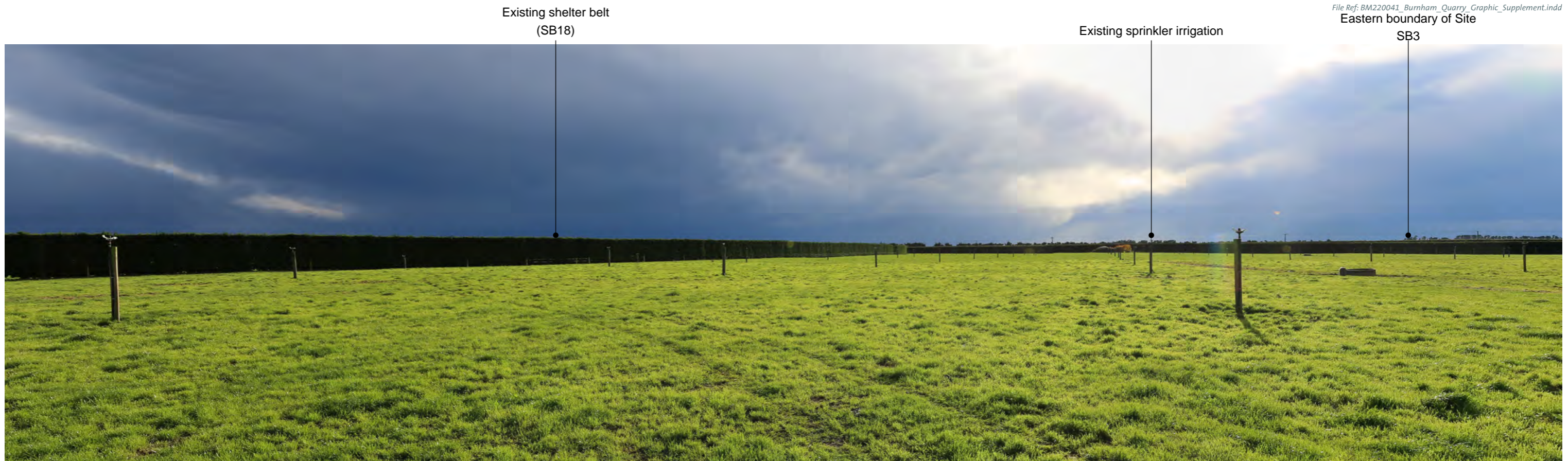
Site Appraisal Photograph B: View from the main access road looking north-east towards the main farm base, and pivot shelter planting.



Site Appraisal Photograph C: View looking south-east towards the western centre pivot from the western boundary of the Site.



Site Appraisal Photograph D: View from the northern corner of the Site looking south.



Site Appraisal Photograph E: View looking south-east towards the northern pivot irrigator and shelter planting.



Site Appraisal Photograph F: View of the south-eastern corner of the Site looking towards the intersection of Aylesbury Road, Grange Road, Two Chain Road, and Sandy Knolls Road.



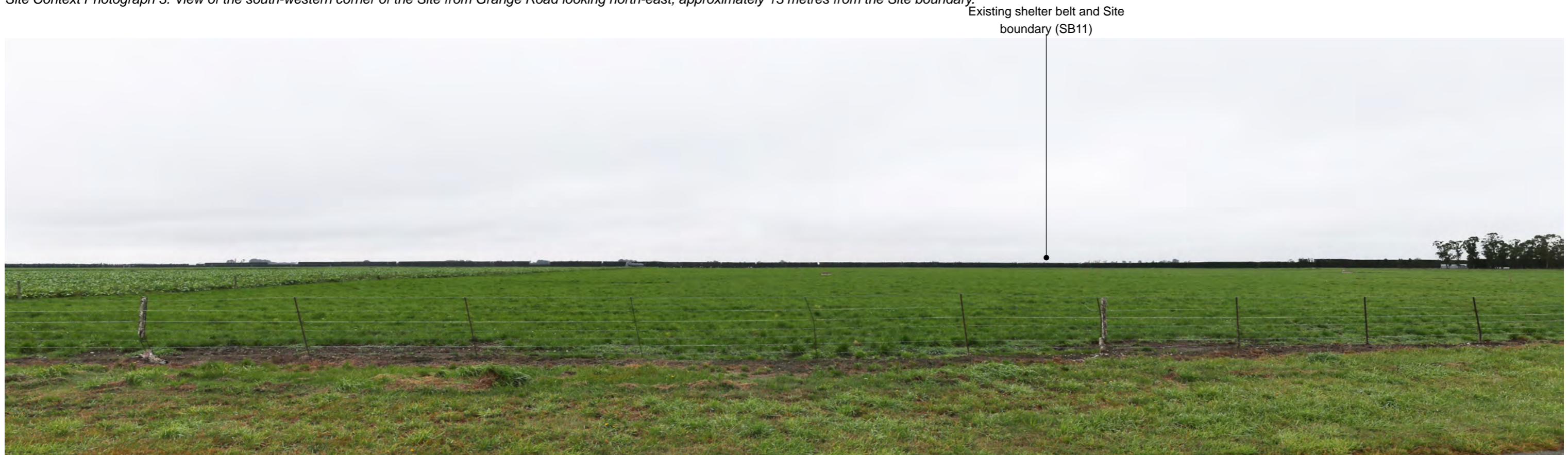
Site Context Photograph 1: View from Two Chain Road looking north-west towards the Site, approximately 30 metres from the Site boundary.



Site Context Photograph 2: View of the existing entrance to the Site from Grange Road looking north-east towards the Site, approximately 12 metres from the Site boundary.



Site Context Photograph 3: View of the south-western corner of the Site from Grange Road looking north-east, approximately 13 metres from the Site boundary.



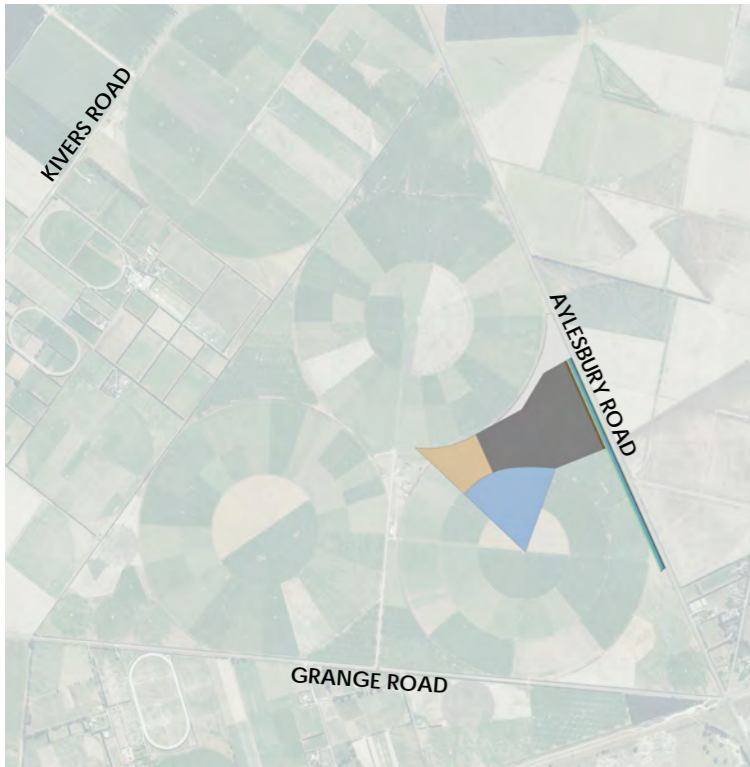
Site Context Photograph 4: View looking south-east towards the western boundary of the Site from Kivers Road, approximately 1 kilometre from the Site boundary.



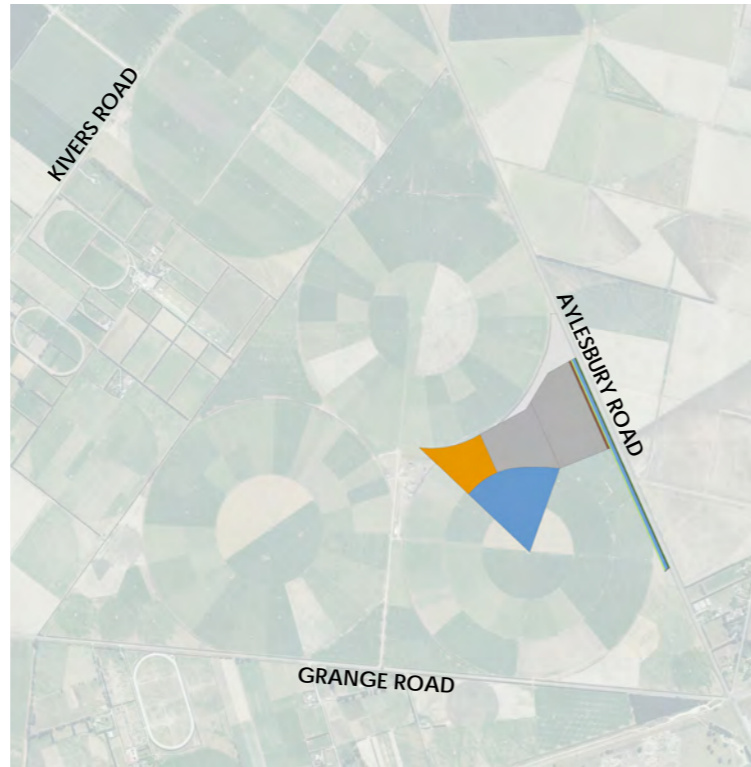
Site Context Photograph 5: View taken from Aylesbury Road looking south-west towards the northern corner of the Site, approximately 25 metres from the Site boundary.



Site Context Photograph 6: View of the Site from Aylesbury Road looking north-west, approximately 10 metres from the Site boundary.



**CONSTRUCTION (PHASE 1)**



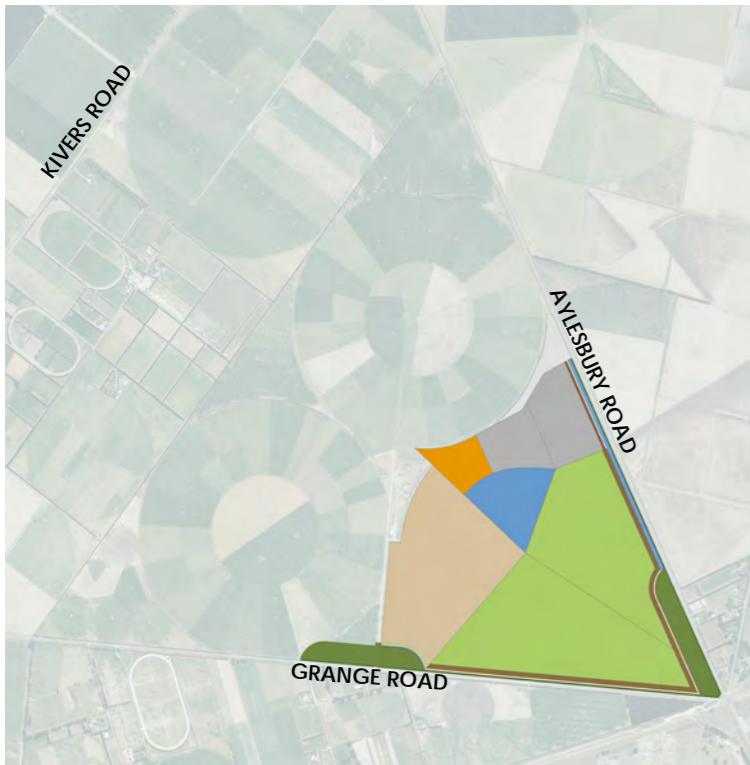
**CONSTRUCTION (PHASE 2)**



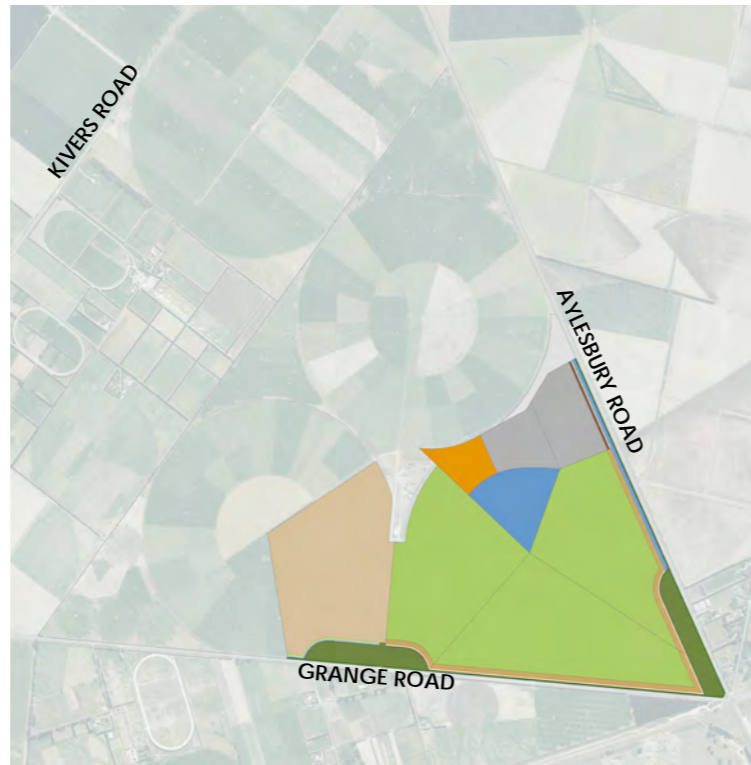
**PHASE 3: EXTRACTION 6-10 YEARS**



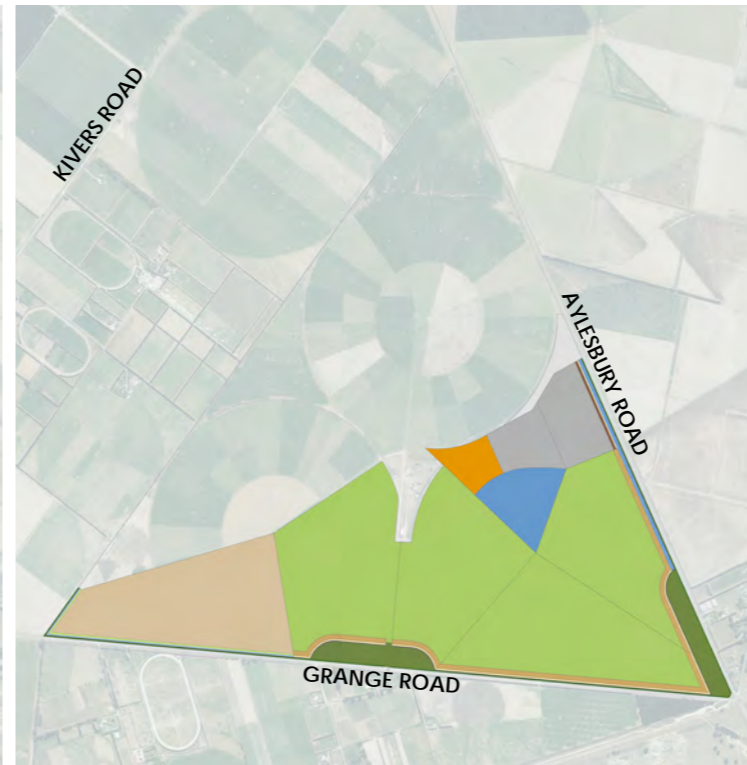
**PHASE 4: EXTRACTION 11-15 YEARS**



**PHASE 5: EXTRACTION 16-20 YEARS**



**PHASE 6: EXTRACTION 21-25 YEARS**



**PHASE 7: EXTRACTION 26-30 YEARS**

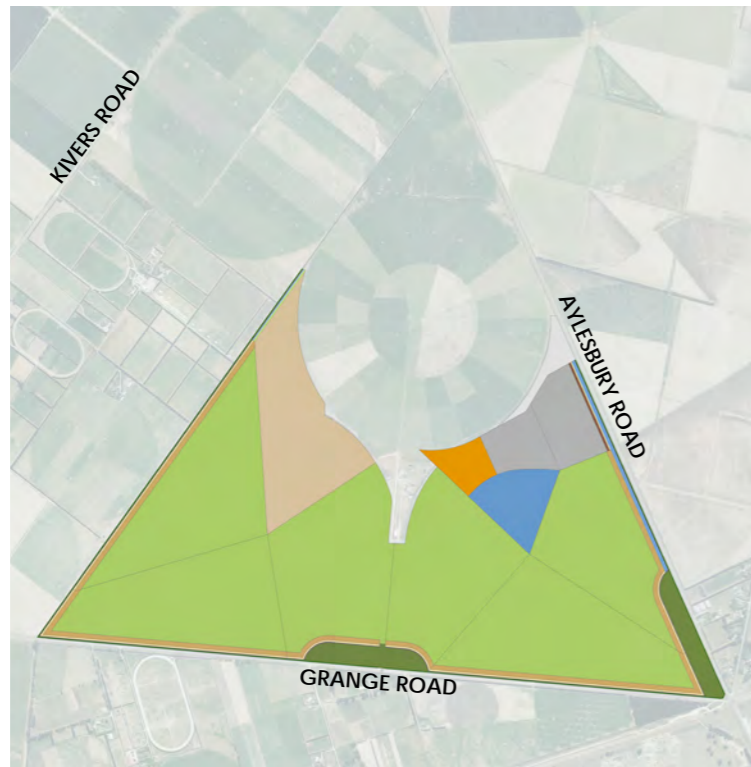


**PHASE 8: EXTRACTION 31-35 YEARS**

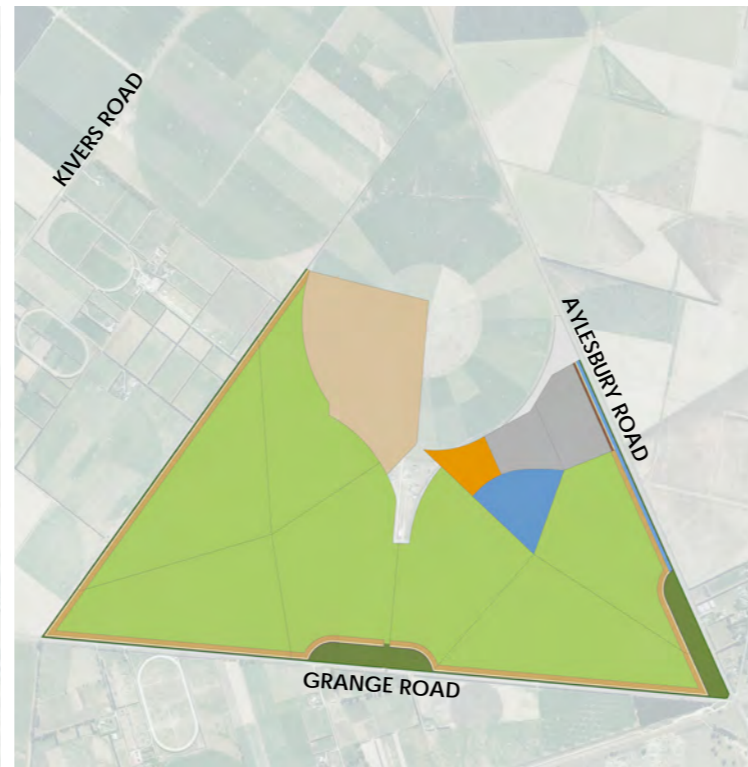
**LEGEND**

- Batter
- Crest
- Extraction
- Finished level
- Long term bund
- Planting
- Processing Plant
- Rehabilitated Slope Planting
- Rehabilitation material
- Rehabilitation
- Shelter belt
- Silt Ponds (*During construction*)
- Silt ponds
- Site Entrance
- Stockpile (*During construction*)
- Stockyards
- Vehicle access

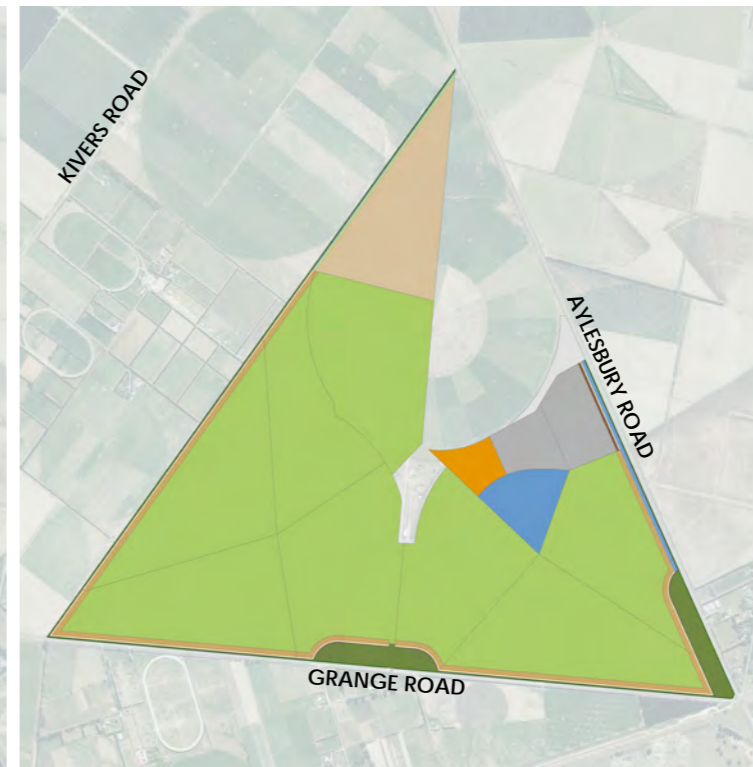




**PHASE 9: EXTRACTION 36-40 YEARS**



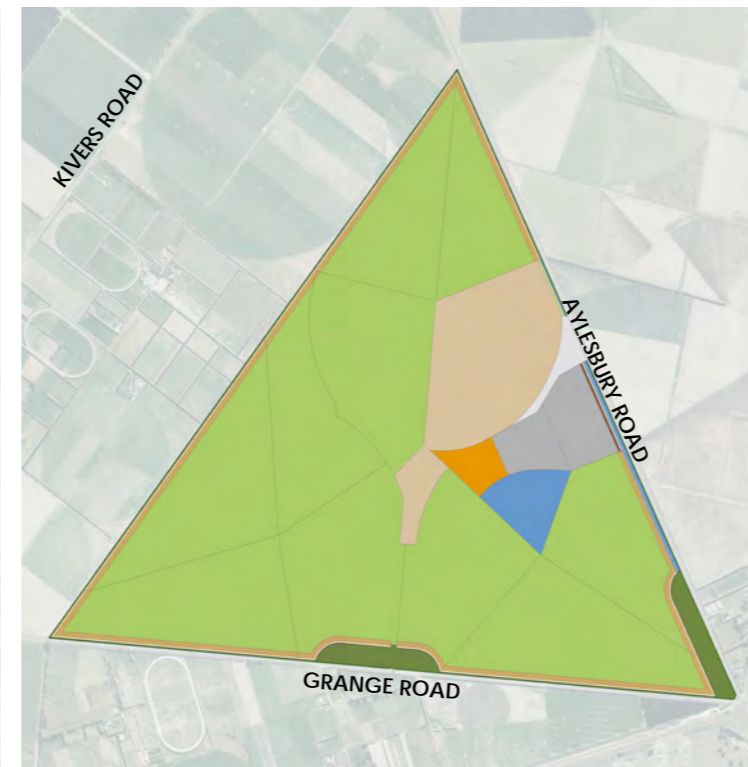
**PHASE 10: EXTRACTION 41-45 YEARS**



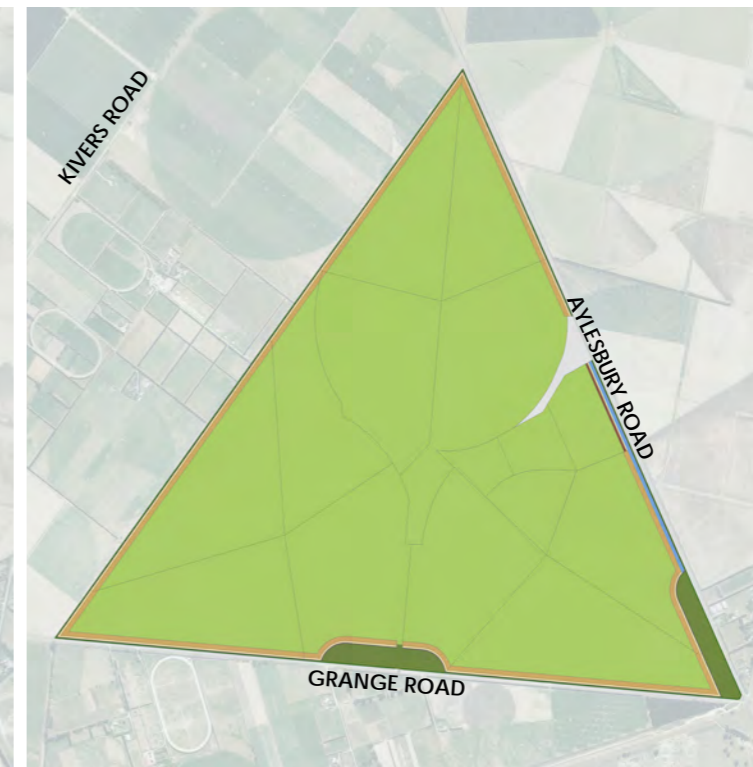
**PHASE 11: EXTRACTION 46-50 YEARS**



**PHASE 12: EXTRACTION 51-55 YEARS**



**PHASE 13: EXTRACTION 56-60 YEARS**



**PHASE 14: COMPLETION + FINAL REHAB 60 YEARS**



MIX ONE: LARGER TREES AND SHRUBS

MIX TWO: EDGE PLANTING

MIX THREE: BUND/SCARP PLANTING

MIX FOUR: TUSOCKS AND SMALL SHRUBS

\* To be used in larger patches, and to screen views of the proposed plant.

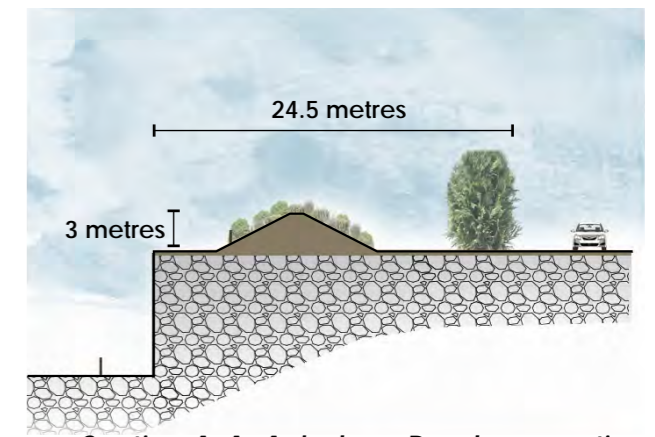
\* For corridors planted above the battered slope.

\* For battered slopes to create habitat which mimics a disturbed river scarp.

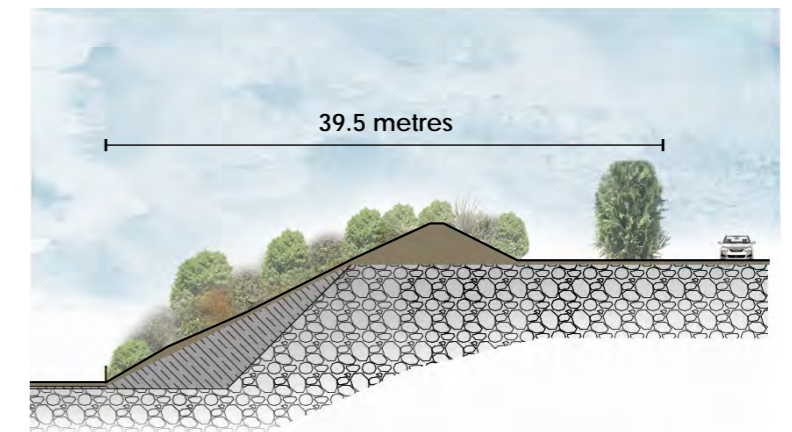
**KEY**

- Threatened - Nationally Vulnerable
- Threatened - Nationally Endangered
- Threatened - Nationally Critical
- Low Fire Risk
- At Risk - Naturally Uncommon
- At Risk - Declining
- Margins
- Infill

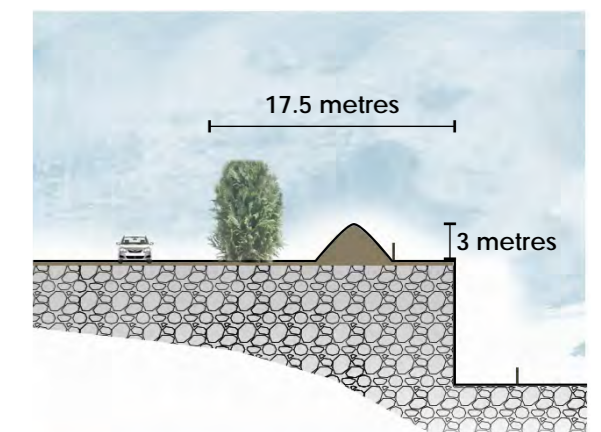
This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client or obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility is accepted by Boffa Miskell Limited for any errors or omissions to the extent that they arise from inaccurate information provided by the Client or any external source.



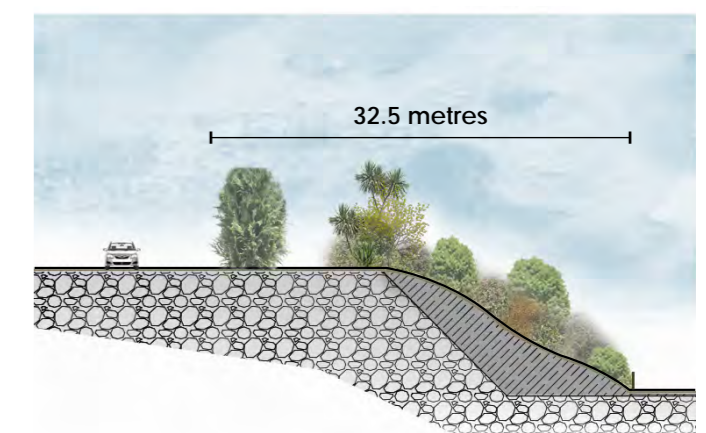
Section A-A: Aylesbury Road excavation



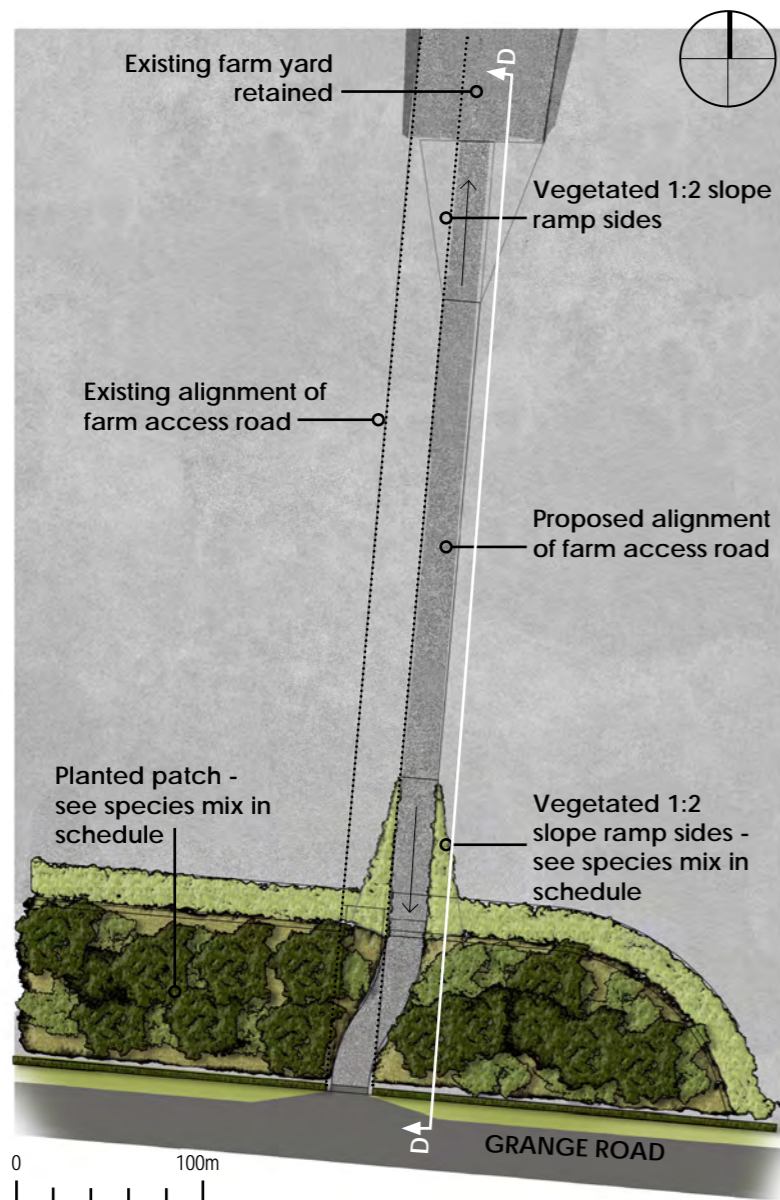
Section A-A: Aylesbury Road rehabilitation



Section B-B: Grange Road excavation



Section B-B: Grange Road rehabilitation



Landscape plan: Grange Road Farm access road

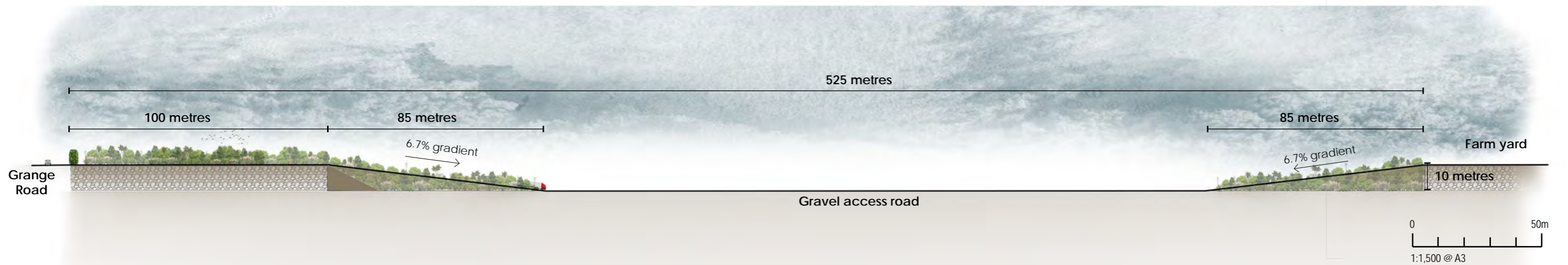

\* For sunny edges to create habitat and variance in overall height.


**KEY**

- At Risk - Naturally Uncommon
- At Risk - Declining
- Threatened - Nationally Critical
- Threatened - Nationally Endangered
- Threatened - Nationally Vulnerable
- Low Fire Risk
- Infill
- Margins

PLANTED PATCHES MIX: LARGER TREES AND SHRUBS

SCARPS / RAMP SIDES MIX: MIXED HEIGHT PLANTING



Section D-D: Grange Road Farm access

**About Boffa Miskell**

Boffa Miskell is a leading New Zealand professional services consultancy with offices in Auckland, Hamilton, Tauranga, Wellington, Christchurch, Dunedin and Queenstown. We work with a wide range of local and international private and public sector clients in the areas of planning, urban design, landscape architecture, landscape planning, ecology, biosecurity, cultural heritage, graphics and mapping. Over the past four decades we have built a reputation for professionalism, innovation and excellence. During this time we have been associated with a significant number of projects that have shaped New Zealand's environment.

---

[www.boffamiskell.co.nz](http://www.boffamiskell.co.nz)

Auckland	Hamilton	Tauranga	Wellington	Christchurch	Queenstown	Dunedin
09 358 2526	07 960 0006	07 571 5511	04 385 9315	03 366 8891	03 441 1670	03 470 0460