



# CJ INDUSTRIES

134 PEACH ISLAND ROAD,  
MOTUEKA

## GRAPHIC ATTACHMENT

13 JULY 2022



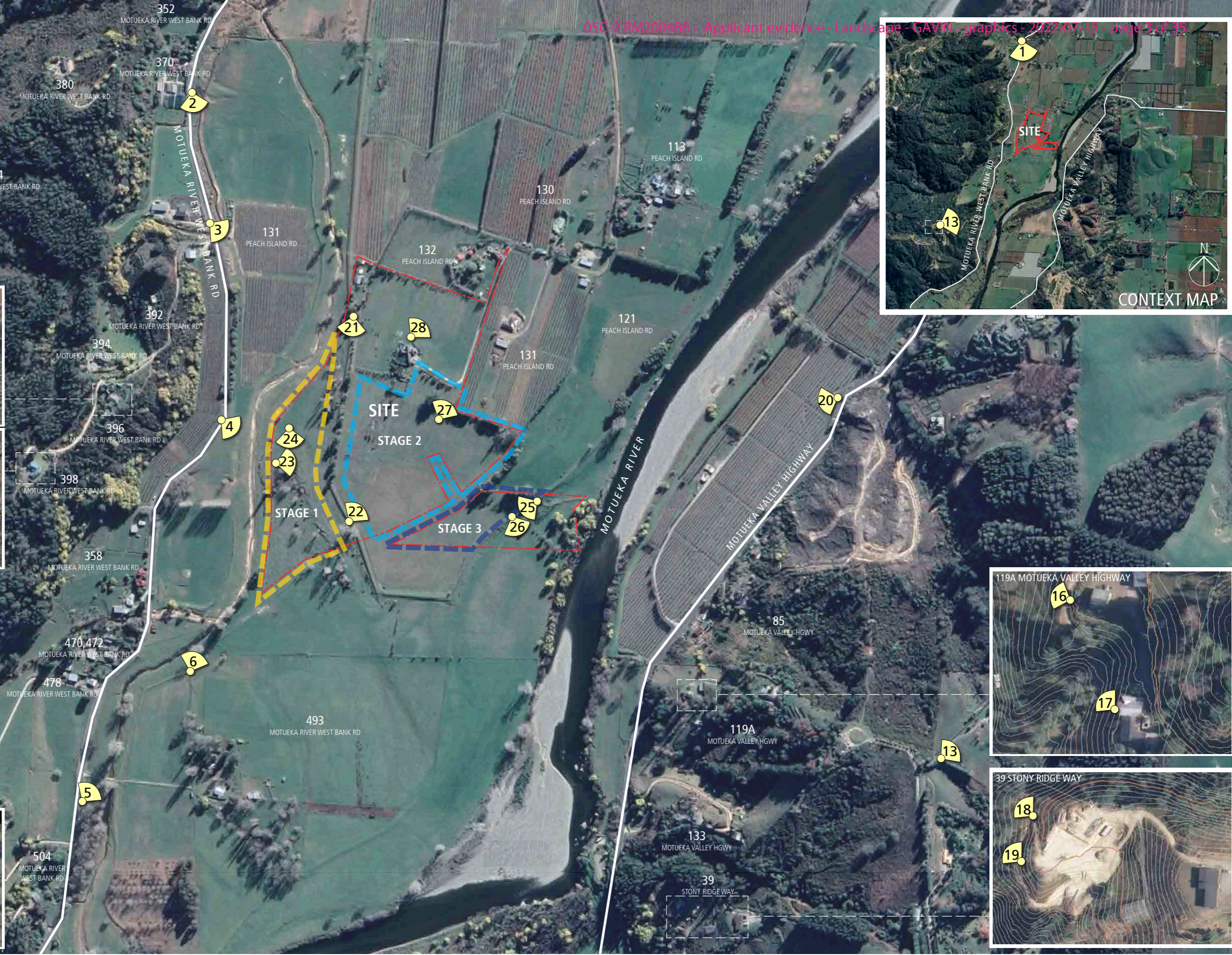


**LEGEND**

- SITE LOCATION
- VIEWPOINT LOCATIONS

**EXTRACTION SITES STAGE BOUNDARIES**

- STAGE 1 BOUNDARY
- STAGE 2 BOUNDARY
- STAGE 3 BOUNDARY



**LEGEND**

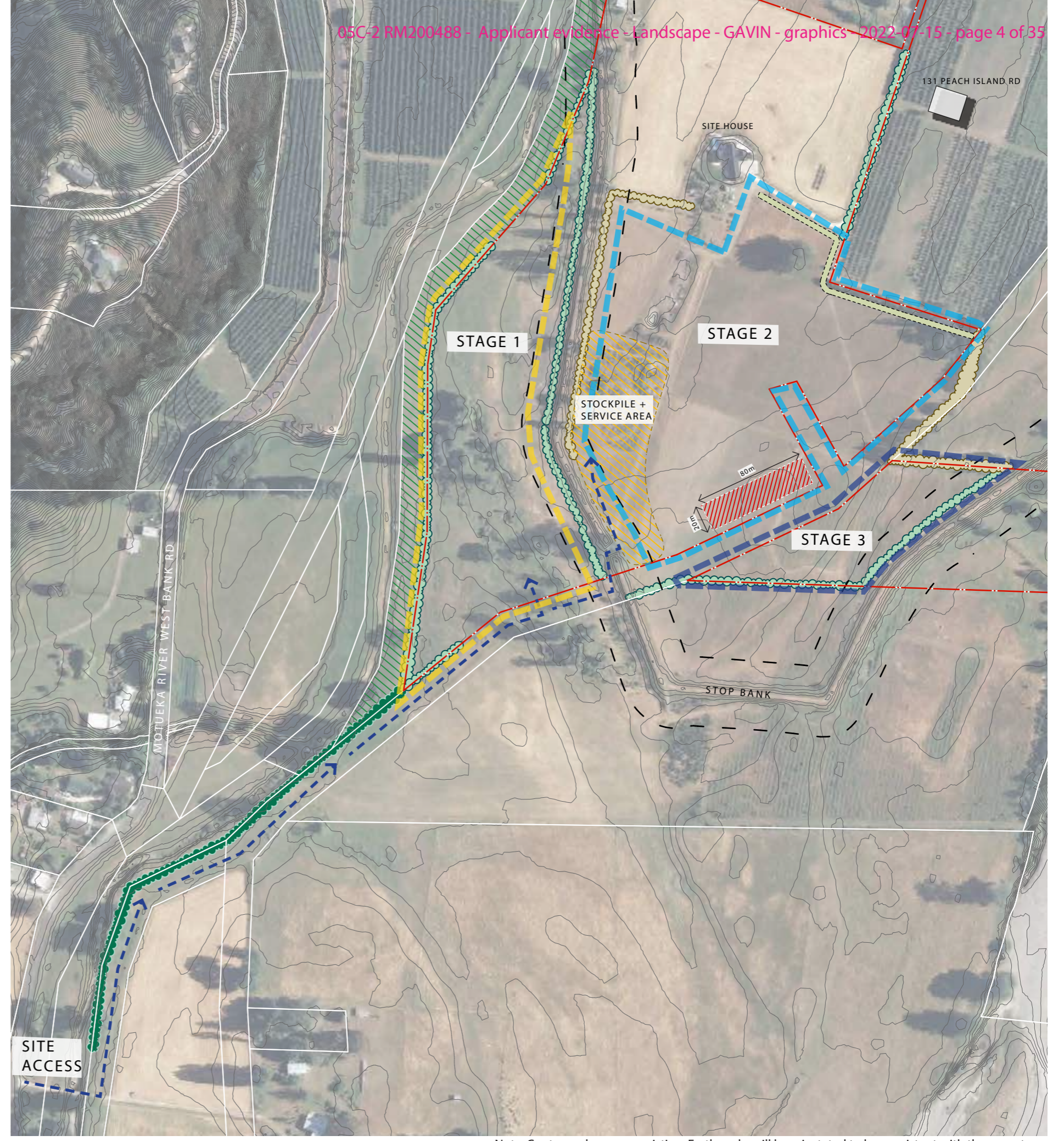
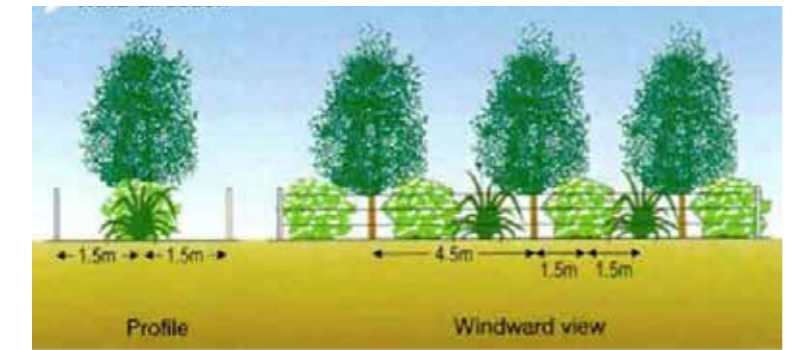
- - - SITE BOUNDARY
  - - - ACCESS INTO THE SITE
  - - - 20m SETBACK FROM STOPBANK
- EXTRACTION SITES STAGE BOUNDARIES**
- STAGE 1 BOUNDARY
  - STAGE 2 BOUNDARY
  - STAGE 3 BOUNDARY
- ADJOINING MARGINAL CONSERVATION STRIP
  - STOCKPILE + SERVICE AREA
  - EXTRACTION PIT  
- MAXIMUM SIZE = 80 x 20m
  - PROPOSED EARTH BUND  
- 3m HIGH

- MITIGATION PLANTING**
- (AREA A) ALL NATIVE SPECIES  
- PLANTING TO BE A MIX OF THE FOLLOWING LIST BELOW (ONLY NATIVES), PLANTED AT 1.5/2m SPACINGS FOR SHRUBS WITH RT SHRUB GRADE SOURCED LOCALLY, AND 4.5m SPACINGS FOR TREES WITH PB18 SPECIMEN TREE GRADE.
  - (AREA B) NO POPULUS 'CROWS NEST'  
- PLANTING TO BE A MIX OF THE FOLLOWING LIST BELOW MINUS POPULUS 'CROWS NEST', PLANTED AT 1.5/2m SPACINGS FOR SHRUBS WITH RT SHRUB GRADE SOURCED LOCALLY, AND 4.5m SPACINGS FOR TREES WITH PB18 SPECIMEN TREE GRADE.
  - (AREA C) INFILL UNDERSTOREY PLANTING  
- PLANTING TO BE A MIX OF THE UNDERSTOREY SPECIES, PLANTED AT 1.5/2m SPACINGS FOR SHRUBS WITH RT SHRUB GRADE SOURCED LOCALLY, AND 4.5m SPACINGS FOR TREES WITH PB18 SPECIMEN TREE GRADE.
- |  |                                    |                                    |
|--|------------------------------------|------------------------------------|
| <b>TALL TREES</b>                        | <b>UNDERSTOREY</b>                 |                                    |
| EUCALYPTUS NITENS - SHINING GUM          | ALECTRYON EXCELSUS - TITOKI        | MYRSINE AUSTRALIS - MAPOU          |
| DACRYCARPUS DACRYDIODES - KAHIKATEA      | ARISTOTELIA SERRATA - MAKOMAKO     | MYOPORUM LAETUM - NGAIO            |
| POPULUS 'CROWS NEST' - CROWS NEST POPLAR | CARPODETUS SERRATUS - PUTAPUTAWETA | PHORMIUM TENAX - SWAMP FLAX        |
| POPULUS NIGRA - LOMBARDY POPLAR          | COPROSMA ROBUSTA - KARAMU          | PITTOSPORUM EUGENIODES - LEMONWOOD |
|  | CORDYLINE AUSTRALIS - CABBAGE TREE | PITTOSPORUM TENUIFOLIUM - KOHuhu   |
|  | DODONAEA VISCOSA - AKEAKE          | PLAGIANTHUS REGIUS - RIBBONWOOD    |
|  | KUNZEA ERICOIDES - KANUKA          | PSEUDOPANAX ARBOREUS - FIVE FINGER |
|  | LEPTOSPERMUM SCOPARIUM - MANUKA    | SOPHORA MICROPHYLLA - KOWHAI       |
|  | MELICYTUS RAMIFLORUS - MAHOE       |                                    |

**MAINTENANCE & ESTABLISHMENT PLAN**

- TIMING**
- Planting to be undertaken between the months of April and October to take advantage of optimum rainfall and climatic conditions best suited to plant growth.
- PREPARATION**
- The contractor shall carry out the works to protect the existing subsoil structures and prevent excessive soil structure damage. Ensure at least 50mm of topsoil present.
  - Prepare planting area by spraying planting zone areas as required to reduce initial weed and grass growth.
  - Plants should be of the species on the drawings. Plants shall be vigorous, well established, hardened off, of good form consistent with the specie or varieties, not soft or forced, free from disease and insect pests, with large healthy root systems and no evidence of being restricted or damaged. The trees shall have a single leading shoot.
- SETOUT**
- The planting hole shall be twice the root ball width and twice the root ball depth. Planting holes, except for wetland plants, shall be loosened for at least 75mm each side of the under plant prior to planting.
  - Each plant shall be watered thoroughly after planting, ensuring that the moisture has penetrated to the full depth of the root ball (initial watering is also important to settle the soil around the roots).
- PEST MANAGEMENT**
- To minimise rabbit damage to plants apply telgrow foliage spray after planting and as required after heavy rain (or) install rabbit protector sleeves around plants.
  - Plant pests to be controlled by continual weeding and regularly monitored for a period of three years or until plant specimens become fully sufficiently established.
  - All planting next to stock paddocks to be fenced off.
- MAINTENANCE**
- General maintenance shall include watering, weed removal, plant trimming, cultivation, insect and disease control, checking stakes and ties, pruning and other accepted horticultural operations to ensure normal and healthy plant establishment and growth.
  - Any plants that fail are to be replaced and planted during the next available planting season as defined above.

**SHELTERBELT FORMATION TO BE USED**



Note: Contours shown are existing. Earthworks will be reinstated to be consistent with these contours



**LEGEND**

- - - SITE BOUNDARY
- - - PROPOSED FENCING FOR LIVESTOCK
- — 20m SETBACK FROM STOPBANK
- ADJOINING MARGINAL CONSERVATION STRIP
- STAGE 1 EXTRACTION SITE BOUNDARY

**MITIGATION PLANTING**

- NEW TREES TO BE PLANTED MINIMUM OF 2m FROM BOTTOM OF STOPBANK

- (AREA A) ALL NATIVE SPECIES**  
- PLANTING TO BE A MIX OF THE FOLLOWING LIST BELOW (ONLY NATIVES), PLANTED AT 1.5/2m SPACINGS FOR SHRUBS WITH RT SHRUB GRADE SOURCED LOCALLY, AND 4.5m SPACINGS FOR TREES WITH PB18 SPECIMEN TREE GRADE.
- (AREA B) NO POPULUS 'CROWS NEST'**  
- PLANTING TO BE A MIX OF THE FOLLOWING LIST BELOW MINUS POPULUS 'CROWS NEST', PLANTED AT 1.5/2m SPACINGS FOR SHRUBS WITH RT SHRUB GRADE SOURCED LOCALLY, AND 4.5m SPACINGS FOR TREES WITH PB18 SPECIMEN TREE GRADE.
- (AREA C) INFILL UNDERSTOREY PLANTING**  
- PLANTING TO BE A MIX OF THE UNDERSTOREY SPECIES, PLANTED AT 1.5/2m SPACINGS FOR SHRUBS WITH RT SHRUB GRADE SOURCED LOCALLY, AND 4.5m SPACINGS FOR TREES WITH PB18 SPECIMEN TREE GRADE.

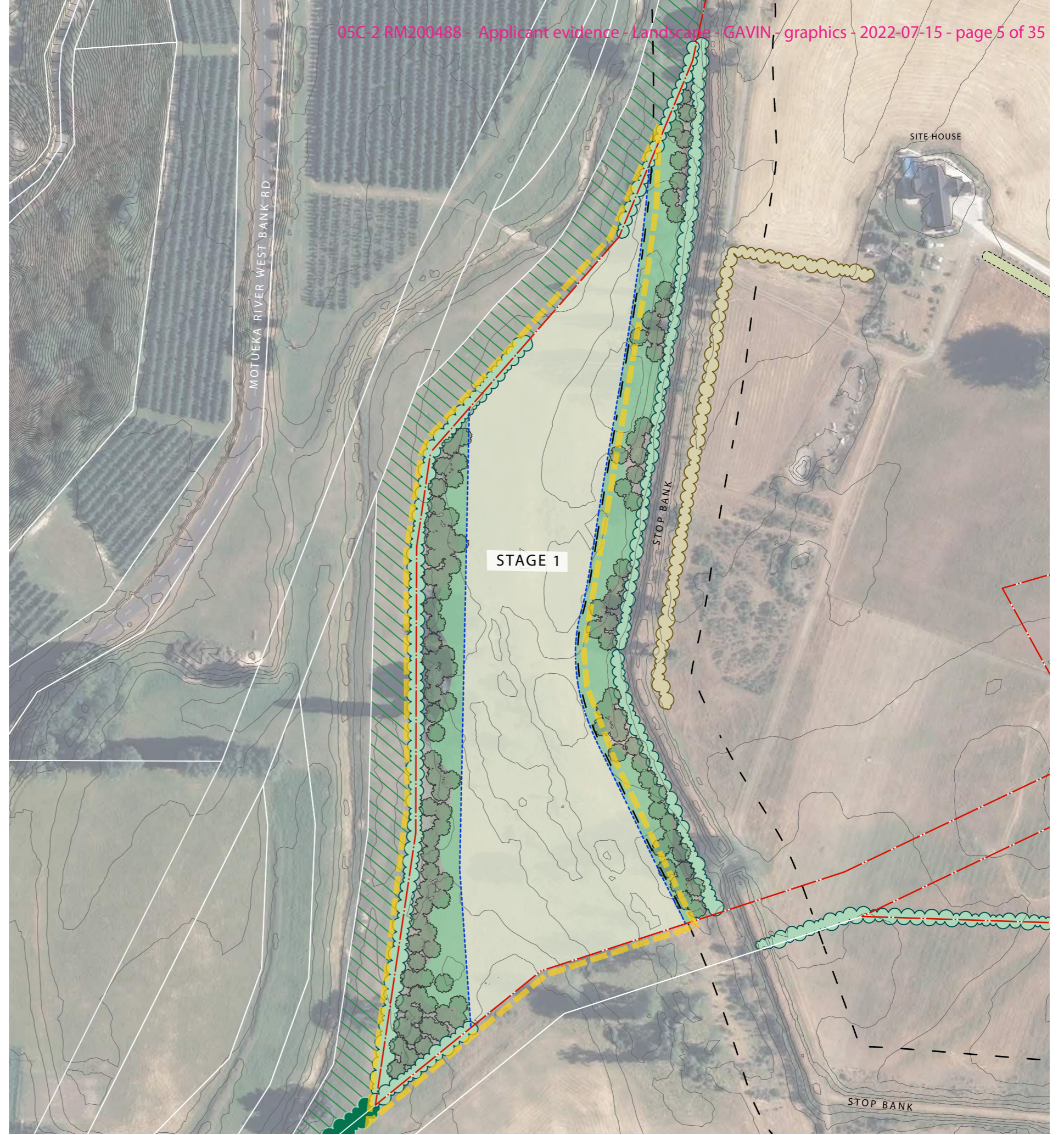
- |   |   |   |
|---|---|---|
| <p><b>TALL TREES</b></p> <ul style="list-style-type: none"> <li>EUCALYPTUS NITENS - SHINING GUM</li> <li>DACRYCARPUS DACRYDIOIDES - KAHIKATEA</li> <li>POPULUS 'CROWS NEST' - CROWS NEST POPLAR</li> <li>POPULUS NIGRA - LOMBARDY POPLAR</li> </ul> | <p><b>UNDERSTOREY</b></p> <ul style="list-style-type: none"> <li>ALECTRYON EXCELSUS - TITOKI</li> <li>ARISTOTELIA SERRATA - MAKOMAKO</li> <li>CARPODETUS SERRATUS - PUTAPUTAWETA</li> <li>COPROSMA ROBUSTA - KARAMU</li> <li>CORDYLINE AUSTRALIS - CABBAGE TREE</li> <li>DODONAEA VISCOSA - AKEAKE</li> <li>KUNZEA ERICOIDES - KANUKA</li> <li>LEPTOSPERMUM SCOPARIUM - MANUKA</li> <li>MELICYTUS RAMIFLORUS - MAHOE</li> </ul> | <ul style="list-style-type: none"> <li>MYRSINE AUSTRALIS - MAPOU</li> <li>MYOPORUM LAETUM - NGAIO</li> <li>CARPODETUS SERRATUS - SWAMP FLAX</li> <li>PITTOSPORUM EUGENIOIDES - LEMONWOOD</li> <li>PITTOSPORUM TENUIFOLIUM - KOHUHU</li> <li>PLAGIANTHUS REGIUS - RIBBONWOOD</li> <li>PSEUDOPANAX ARBOREUS - FIVE FINGER</li> <li>SOPHORA MIRCROPHYLLA - KOWHAI</li> </ul> |
|---|---|---|

**STAGE 1 RIVER TERRACE RESTORATION TOTAL AREA = 1.35ha**

- NATIVE GRASSES / SEDGES**  
- PLANTING TO BE A MIX OF THE FOLLOWING LIST BELOW, PLANTED AT 1.5/2m SPACINGS FOR SHRUBS WITH RT GRADE SOURCED LOCALLY.  
  - CAREX SECTA - PUREI
  - CAREX VIRGATA - PUKIO
  - COPROSMA PROPINQUA - MINGIMINGI
  - CORTADERIA RICHARDII - SOUTH ISLAND TOETOE
  - PHORMIUM TENAX - NZ FLAX
- NATIVE TREES**  
- PLANTING TO BE A MIX OF THE FOLLOWING LIST BELOW, PLANTED AT 4.5m SPACINGS FOR TREES WITH PB18 SPECIMEN TREE GRADE.  
  - CORDYLINE AUSTRALIS - CABBAGE TREE
  - DACRYCARPUS DACRYDIOIDES - KAHIKATEA
  - HOHERIA ANGUSTIFOLIA - NARROW-LEAVED LACEBARK
  - PENNANTIA CORYMBOSA - KAIKOMAKO
  - PLAGIANTHUS REGIUS - LOWLAND RIBBONWOOD

**STAGE 1 PASTURE LAND TOTAL AREA = 1.66ha**

- TO BE FENCED AND KEPT CLEAR OF NEW PLANTING



Note: Contours shown are existing. Earthworks will be reinstated to be consistent with these contours



Approximate extent of site location

**VIEWPOINT 1** is located on Motueka River West Bank Rd, on the intersection with Shaggery Rd, looking south towards the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 2** is located next to 370 Motueka River West Bank Rd, looking south-east towards the site. The foreground vegetation obstructs views into the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 3** is located at the entrance of 390 Motueka River West Bank Rd, looking south-east towards the site. The foreground vegetation obstructs views into the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020





Approximate extent of Stage 1

**VIEWPOINT 4** is located further south on Motueka River West Bank Rd, looking east towards the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 4 CONTINUED**

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



Access in to site

**VIEWPOINT 5** is located at the site access point on Motueka River West Bank Rd

**TECHNICAL INFORMATION**

Date of Photograph : March 2022

Taken by : Liz Gavin (nee Kidson)

Camera : Canon EOS 6D MII Representing 50mm lens

Panoramic stitched using Photoshop CC2020

458 Motueka River West Bank Rd



**VIEWPOINT 6** is located on the accessway into the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022

Taken by : Liz Gavin (nee Kidson)

Camera : Canon EOS 6D MII Representing 50mm lens

Panoramic stitched using Photoshop CC2020



Approximate extent of site location

**VIEWPOINT 6 CONTINUED**

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 7** is located at 396 Motueka River West Bank Rd, standing at the front edge of the main lawn, looking east over the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 8** is located at 396 Motueka River West Bank Rd, standing on the front deck, looking east over the site. The foreground vegetation and topography obstructs Stage 1 and part of the Stage 2 development

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 9** is located at 396 Motueka River West Bank Rd, standing at the edge of the house, looking east over the site. The foreground vegetation partially obstructs the views into the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020





**VIEWPOINT 10** is located at 398 Motueka River West Bank Rd, standing at the southern end of the front lawn, looking east over the site. The foreground vegetation obstructs Stage 1 of the development.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 11** is located at 398 Motueka River West Bank Rd, standing at the front edge of the lawn, looking east over the site.

**TECHNICAL INFORMATION**

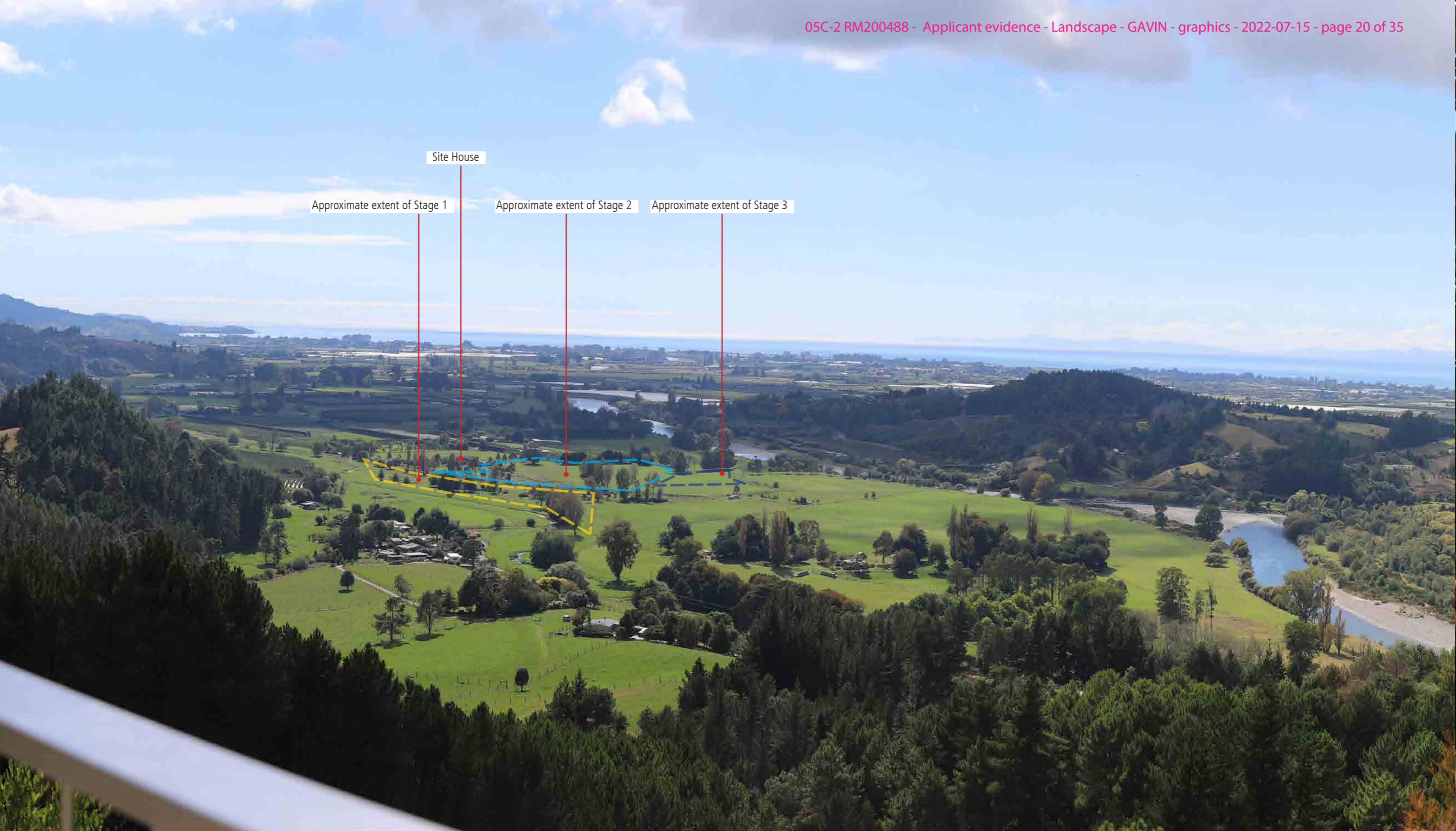
Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 12** is located at 398 Motueka River West Bank Rd, standing at the edge of the house on the lawn, looking east towards the site. The foreground vegetation obstructs most of the views into the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 13** is located at 520 Motueka River West Bank Rd, standing at the edge of the main deck, facing north-east towards the site.

**TECHNICAL INFORMATION**

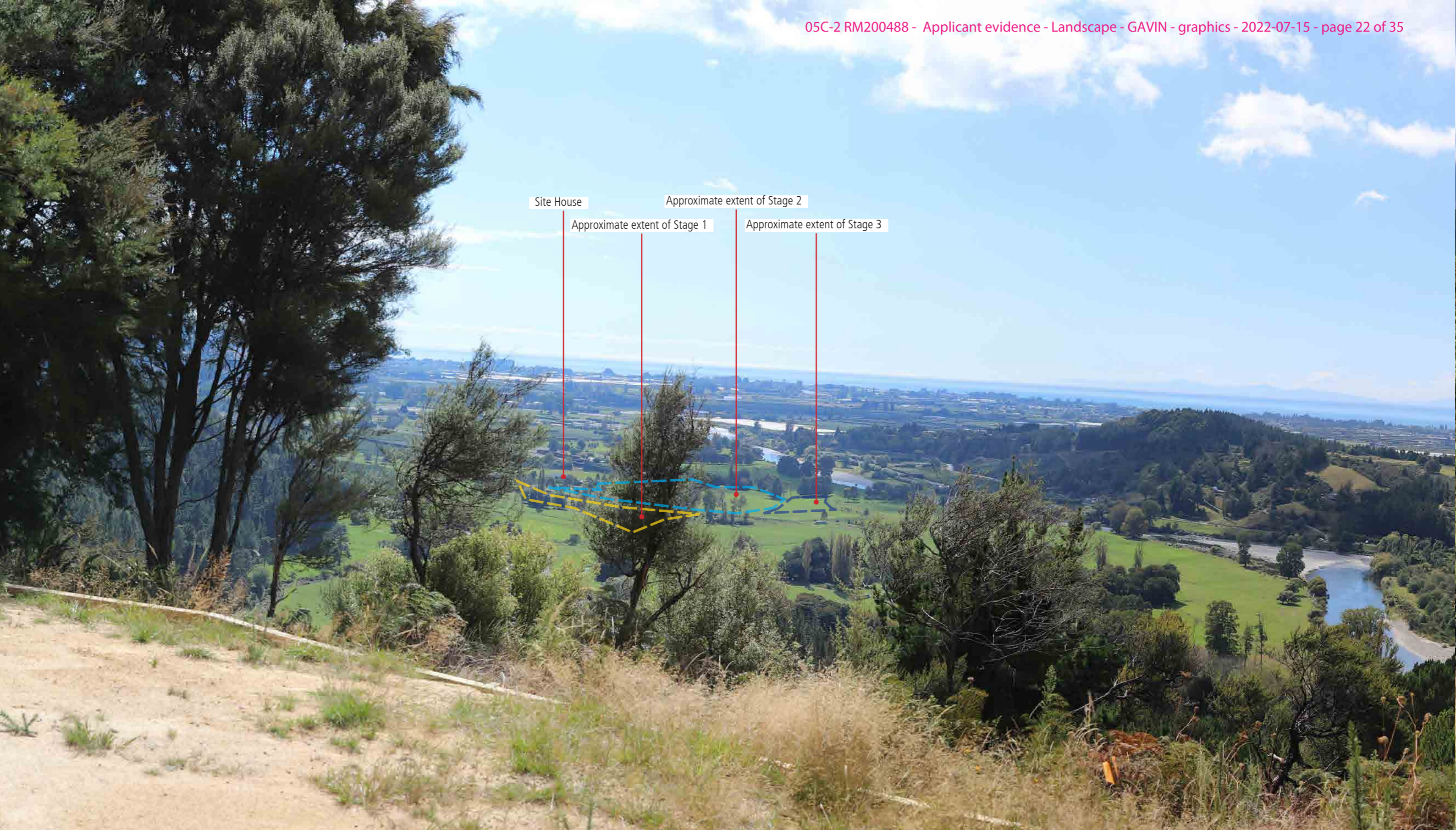
Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 14** is located at 520 Motueka River West Bank Rd, standing at the back of the deck next to the house, facing north-east towards the site.

**TECHNICAL INFORMATION**

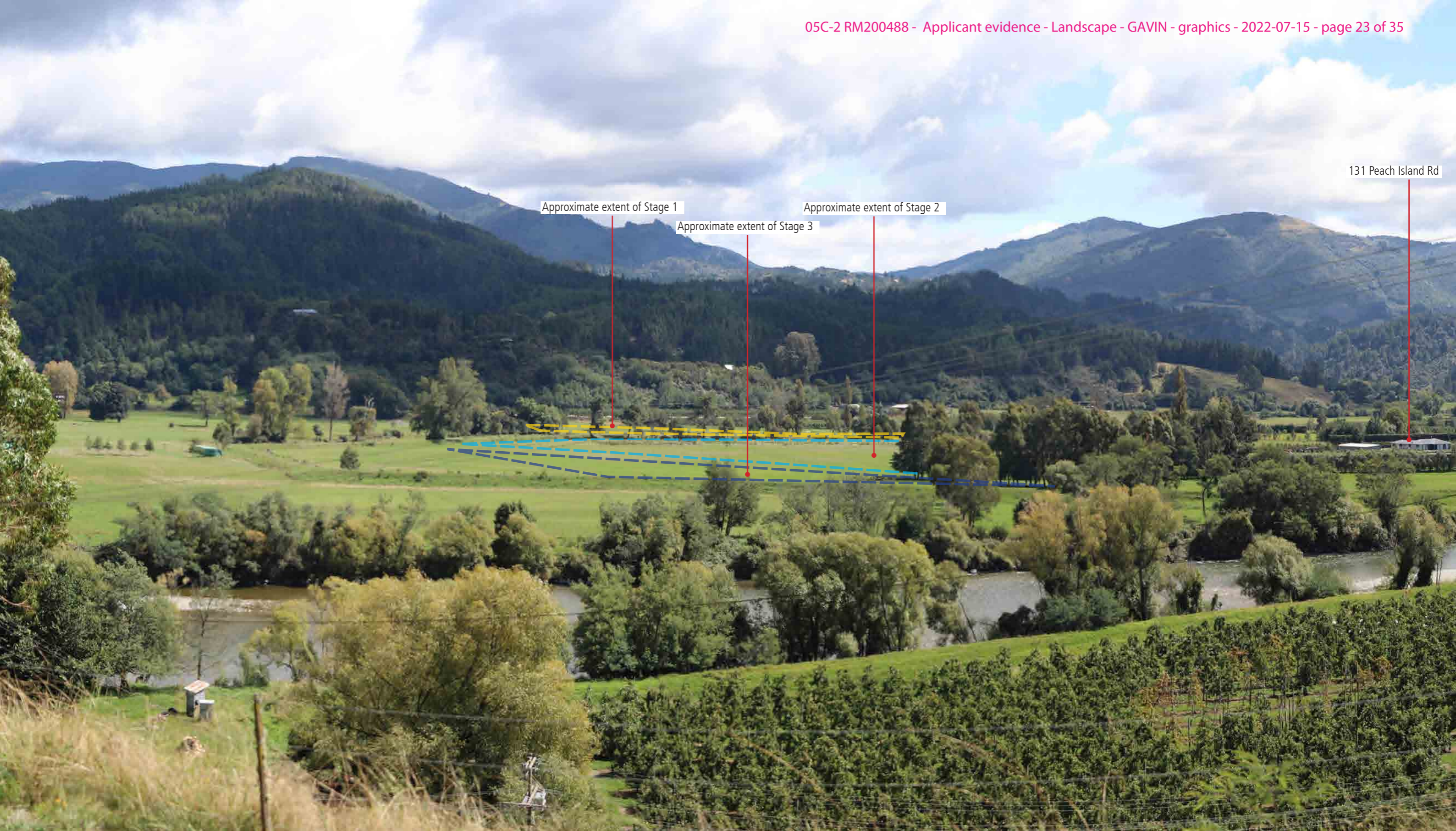
Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 15** is located at 520 Motueka River West Bank Rd, standing at the site of the proposed yoga platform, 60m south-east of the dwelling.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 16** is located at 119A Motueka Valley Highway, standing on the driveway in front of the shed, looking north-west towards the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 17** is located at 119A Motueka Valley Highway, standing on the front balcony of the house, looking north-west towards the site. The foreground vegetation obstructs views into the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020





**VIEWPOINT 18** is located at 39 Stony Ridge Way, standing at the northern end of the front garden, looking north-west towards the site. The foreground vegetation obstructs views into the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022

Taken by : Liz Gavin (nee Kidson)

Camera : Canon EOS 6D MII Representing 50mm lens

Panoramic stitched using Photoshop CC2020



**VIEWPOINT 19** is located at 39 Stony Ridge Way, standing at the southern end of the front garden, looking north-east towards the site. The foreground vegetation obstructs views into the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022

Taken by : Liz Gavin (nee Kidson)

Camera : Canon EOS 6D MII Representing 50mm lens

Panoramic stitched using Photoshop CC2020



**VIEWPOINT 20** is located on the Motueka Valley Highway, looking west towards the site. The foreground vegetation/orchards obstructs views into the site.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022

Taken by : Liz Gavin (nee Kidson)

Camera : Canon EOS 6D MII Representing 50mm lens

Panoramic stitched using Photoshop CC2020



**VIEWPOINT 21** is located on the stopbank in between Stages 1 + 2, looking south.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 22** is located further south on the same stopbank, at the southern end of the site, looking north-east over Stage 2.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 23** is located at the western boundary of the site, standing in Stage 1 looking east.

**TECHNICAL INFORMATION**

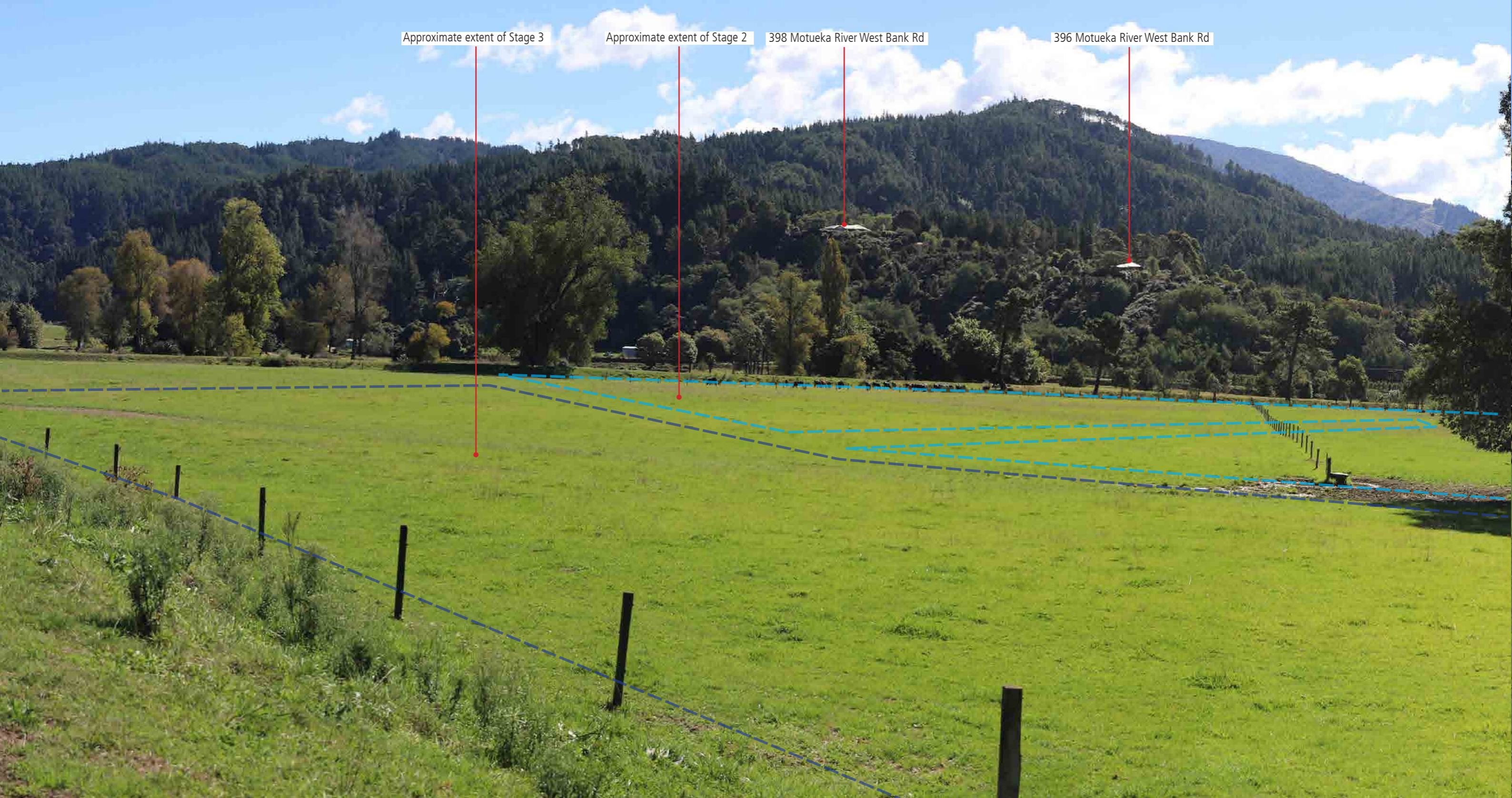
Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 24** is located at the western boundary of the site, standing in Stage 1 looking south.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 25** is located at the north-eastern corner of Stage 3, standing on the stopbank looking south-west.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020





**VIEWPOINT 26** is located on the eastern boundary of Stage 3, standing on the stopbank looking south-east.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 27** is located on the northern edge of Stage 2, looking north up the driveway to the house.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022  
Taken by : Liz Gavin (nee Kidson)  
Camera : Canon EOS 6D MII Representing 50mm lens  
Panoramic stitched using Photoshop CC2020



**VIEWPOINT 28** is located from the house, looking north-east.

**TECHNICAL INFORMATION**

Date of Photograph : March 2022

Taken by : Liz Gavin (nee Kidson)

Camera : Canon EOS 6D MII Representing 50mm lens

Panoramic stitched using Photoshop CC2020