17 November 2025

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Hawke's Bay Regional Council

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Stradegy Planning

Flood Resilience: Pōrangahau Landscape Scoping Assessment

Purpose

Hawke's Bay Regional Council (**HBRC**) are currently undertaking a number of flood resilience projects in response to recent weather events (e.g. Cyclone Gabrielle). Narrative Landscape have been engaged to provide landscape advise in relation to the proposed Pōrangahau Rd stopbank upgrade (the '**Project'**).

While the project is targeted at providing a desirable outcome (flood protection), there is still the potential for associated adverse visual effects. HBRC have an 'Order in Council' (**OiC**) that requires them to get a Controlled Activity consent for any work that isn't otherwise permitted by the district or regional plans. Under the conditions of the OiC, for the proposed Ohiti Rd Project, the following points need to be addressed by a Landscape Architect;

- *Before construction works begin, the consent holder must conduct a landscape scoping assessment to identify the potential visual landscape effects of the proposed works, including effects on any adjoining residential properties … .*
- *If the assessment identifies significant potential adverse effects, the consent holder must prepare and implement a landscaping plan for the use of planting and fencing as required to avoid, remedy, or mitigate those effects.*

This Pōrangahau Landscape Scoping Assessment (**LSA**) has been prepared to address the first bullet point (above), and will consider potential visual landscape effects on the adjoining residential properties.

Methodology

This assessment has been prepared by Josh Hunt, a Registered Landscape Architect (NZILA), and although this is a relatively confined assessment, it is based on guidance from the NZ Landscape Assessment Guidelines[1] and it is noted that assessment methods can be tailored to each situation[2].

[1] '*Te Tangi a te Manu: Aotearoa New Zealand Landscape Assessment Guidelines*', *Tuia Pita Ora NZILA, July 2022.*
[2] *Ibid – Paragraph 1.04*

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The intention is to provide an initial landscape scoping assessment to determine the nature of effects and identify the degree of those effects, based on the following 7-point scale (Figure 1 & Appendix 1). This will assist with identifying if any properties are affected to a 'significant degree' (Ref: bullet point 2 above) and then identify if mitigation work is required.

Very Low	Low	Low - Moderate	Moderate	Moderate - High	High	Very High
Less than minor	Minor		More than Minor		Significant	

Figure 1: Effects rating scale.

Prior to the site inspection, a preliminary desktop analysis[3] was undertaken to identify what locations in the vicinity of the proposal sites needed to be visited and included the preparation of a draft set of viewpoint locations. A site visits were undertaken on 4 February 2025, from the surrounding public roads and Pōrangahau River corridor, to document the context of the site and nearby area.

The Graphics Package (**Attachment 1**) includes a viewpoint location map with the proposed stopbank locations, planning map and photographs. The photographs within this document were taken with a Canon 6D (Full Frame) camera with a wide-angle lens (24mm) to provide useful scene context as well as including a series of drone images from above the river.

The methodology for this assessment includes:

- Preliminary desktop research and collation of relevant base information;
- Undertaking a site visit document and consider understanding site character;
- Description of the proposal;
- Consideration of the Relevant Statutory Planning Framework;
- Undertaking a brief assessment of potential landscape and visual effects;
- Recommendations to mitigate potential adverse effects (if considered necessary).

Proposal

The project is planning to introduce two stopbanks adjacent to the Pōrangahau River (Attachment 1 – Sheet 01). The primary flood protection is to be a 1.7km long stopbank (comprised of earth-embankment and floodwall sections) that wraps around the southern extent of Pōrangahau Township, while the second stop bank is a shorter 220m section to protect the Kaiwhitikitiki Urupa. The design has been refined over the beginning of 2025, with the current design being contained as 'Appendix A: Pōrangahau Stopbank Upgrade Design Drawings (October 2025)' which is appended to the PDP Pōrangahau Stopbanks Design Report (November 2025). The primary visual intrusion as a result of this proposal relates to the construction of either the earth-embankment or floodwall stopbanks.

[3] *Base information for this desktop analysis has been sourced from; Google Earth & Google Street View, Land Information NZ (imagery and property titles), NZ Topo Map, Open Topography, and Retrolens (Historical Imagery Resource).*

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Planning Context

I am advised that stopbanks are a permitted activity under the Central Hawkes Bay District Plan, provided that they are located within a Flood Hazard Area overlay, which is displayed by the solid and hatched blue colour on the CHBDC planning maps (Attachment 1: Sheet 02).

It is understood that the OiC provides for a non-notified consenting process but requires that significant effects (as identified in bullet point 2 on page 1) are appropriately mitigated. The comprehensive planning assessment for this project is being undertaken by Stradegy. HBRC have expressed an openness to mitigation measures which are considered to beneficial as part of community relationship management, even if not to address 'significant' effects.

Visual Effects

"A visual effect is a kind of landscape effect. It is a consequence for landscape values as experienced in views. Visual effects are a subset of landscape effects. A visual assessment is one method to help understand landscape effects."[4]

In relation to the current proposal, it is noted that the inclusion of a grassed stopbank is unlikely to result in a 'significant' adverse visual effect on nearby residential properties. However, there are two specific situations that warrant further consideration.

Firstly, where the proposed stop bank earth-embankment is notably higher than would otherwise be expected, and secondly, where the introduction of a floodwall becomes a dominant visual addition to the streetscape/private views.

Commentary around potential adverse visual effects is provided below based on the alternating earth-embankment and floodwall sections, referenced by their chainage (C), originating downstream near the Wasterwater Treatment Pond.

This results in the following groupings;

- C50-C470 (earth-embankment) – Section 1
- C470-C855 (floodwall) – Section 2 (downstream)
- C815-C860 (hybrid embankment/floodwall) – Section 2 (upstream)
- C850-C1240 (earth-embankment) – Section 3
- C1240-C1530 (floodwall) – Section 4
- C1530-C1700 (earth-embankment) – Section 5
- Urupa Section (earth-embankment) - Bund

[4] *Te Tangi a te Manu: Aotearoa New Zealand Landscape Assessment Guidelines. Page 135, 6.08.*

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C50-C470 (Earth-embankment) – Section 1

This section (the easternmost downstream stopbank) crosses the Wastewater Treatment (WWT) Site and extends up through two recent lifestyle subdivision sites to Pōrangahau School. It has a maximum proposed height of 2.3m above existing ground level (2.2m lower than the preliminary design due to location and Design Level changes).

The eastern end has been amended slightly so that it doesn't compromise the WWT Pond, and it is recommended that that the private land on the river side of the stopbank should be incorporated into the river corridor (for maintenance purposes). Along this section (Refer to Attachment 1 – Photos T, V, W, 8 & 9), the grassed stopbank at this height is not considered to result in any 'significant' adverse visual effects.

C470-C815 (Floodwall) – Section 2 (Downstream)

This section includes the Pōrangahau School site and a portion of Keppel Street. It has a maximum proposed height of 2m (1.1m less than the preliminary design height) behind the school (Attachment 1 – Viewpoint U) and the alignment has been refined to allow the school storage sheds adjacent to Keppel St (Attachment 1 – Viewpoint S) to remain. This portion behind the school will not result in a significant adverse visual effect.

The remaining portion of this section (approximately C630 to C815) is typically 0.7m (max spot 0.92m). While the encroachment into the Keppel St road corridor represents a prominent new element for the four residential properties of 35, 41, 43, and 45 Keppel Street (Attachment 1 - Viewpoints O, P, Q, R), it is at a height lower than that of a typical rural/residential fence (i.e. half the height of the adjacent fence at 35 Keppel St). The visibility for pedestrians, motorists and the adjacent residents, is not considered to result in significant adverse visual effects. It is important to acknowledge that through the design refinement, this flood wall height has been reduced by almost 1m along this section.

C815-C860 (Combined Floodwall and Embankment) – Section 2 (Upstream)

An additional design refinement has been the introduction of a combined floodwall/embankment approach for the limited section of stopbank that turns perpendicular to Keppel Street (adjacent to 28 Keppel Street), the ground level drops off in this location and the overall combined height results in a 3-4m.

At Chainage 800 (Attachment 1 – Viewpoint O) the dwelling at 28 Keppel Street will be the most affected (views looking south) due to proximity. Based on the PDP Plans and LiDAR information for the existing ground levels, it is likely that the proposed stopbank adjacent to 28 Keppel Street would site at 9.99m RL, with the internal floor level being 9.9m RL. This results in

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the top of the hybrid stopbank being positioned at the existing floor level of this adjacent dwelling, which will maintain visibility/openness from the dwellings eastern windows. This section of stopbank is not considered to result in a significant adverse visual effect.

C860-C1240 (Earth-embankment) – Section 3

The dwellings close to this section of proposed stopbank are essentially located on an upper terrace (Attachment 1 – Viewpoints H, I & J), with the final levels bringing the overall height down. So, while the stopbank will be a notable increase in height (ranging between 2m and 4m), the setback and relative height of the dwellings should minimize adverse effects. For example, the dwelling in Viewpoint H (2A Moore Street), has a floor level of 9.8m RL, with the perpendicular section of stopbank (Chainage 1150 Cross Section) being 10.5m. A 0.7m increase in height will restrict views of the river corridor, however the distant landform and vegetation which backdrops the Pōrangahau River will remain prominent (Viewpoints H&I).

The potential adverse visual effects from this portion of earth fill are not considered to be significant.

C1240-C1530 (Floodwall) – Section 4

The length of flood protection directly under the bridge is not going to be prominent, even if this section requires a sheet pile wall treatment. The rest of this section cuts along the back of properties accessed from Abercromby Street and Franklin Street (Viewpoints E, F, K, L and 4).

It is likely that the shed on the southern boundary of 1 Abercromby St (Viewpoint F) will need to be removed to construct the proposed Block Wall. At this chainage (1280), the embankment will need to be built up, with the wall being set back 4m from the existing dwelling at a height of 1.8m.

The shed behind the dwelling at 6 Franklin Street (Viewpoint K), will also need to be removed to accommodate the proposed Block Wall. This is illustrated by the Chainage 1430 cross-section. The existing vegetation along this portion provides a notable degree of visual screening at present (Ref: Viewpoints 1 & 3) and limits the potential adverse visual effects of the proposed block of approximately 1.5m.

Despite this potentially being a prominent addition, it is not considered to result in significant adverse visual effects.

C1530-C1700 (Earth-embankment) – Section 5

A refinement has been made which has positioned the earth fill slightly closer to the east, to minimize ‘lost’ pasture and potentially provide a dwelling platform for the property owner where this stopbank will be located.

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This section is essentially a grassed mound and raised road. The existing dwellings within the Pōrangahau urban footprint have limited views toward this proposed stopbank and would not be significantly affected (Attachment 1 – Viewpoints M, N & 3).

Urupa Section (Earth-embankment) - Bund

It is understood that this section has been included at the request of Rongomaraeroa Marae, which had to address destruction of the Urupa during the most recent flooding. Visually, the inclusion of the Earth Fill stopbank will not result in a significant adverse effect.

Conclusions

Based on this Landscape Scoping Assessment, it is considered that overall, the proposed Pōrangahau Flood Resilience project will not result in 'significant' adverse visual effects. There were originally 6 properties, all along Keppel St, where the height of the flood protection components may have been dominant, however through the design level refinement, the overall stopbank height and potential adverse effects have been minimized.

That said, it is recommended that a higher degree of aesthetic treatment of the panels be considered along the interface with Keppel St. It is also noted that pedestrian safety (e.g. school children) along this section of the flood protection should be considered within the final design.

Joshua Hunt - Registered NZILA Landscape Architect
Director – Narrative Landscape Limited

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Appendix 1: Effects Scale

The following table outlines the scale of effects used within this assessment. It is noted that while the primary consideration is typically in relation to negative effects of a proposal, effects can also be neutral or positive.

Very High	Total loss/modification of key elements / features / characteristics, i.e. amounts to a fundamental change of landscape character or visual amenity.	Significant Effect
High	Major loss/modification or loss of most key elements / features / characteristics, i.e. substantial change to the pre- development landscape character or visual amenity.	Significant Effect
High-Moderate	Loss/modification of several key elements / features / characteristics of the baseline, i.e. the pre-development landscape character or visual amenity remains evident but is distinctly changed.	More than Minor Effect
Moderate	Partial loss/modification to key elements / features / characteristics of the baseline, i.e. new elements may be prominent but not necessarily uncharacteristic within the receiving landscape or views.	More than Minor Effect
Low-Moderate	Minor loss/modification to one or more key elements / features / characteristics, i.e. new elements are not prominent or uncharacteristic within the receiving landscape or views.	Minor Effect
Low	No material loss/modification to key elements / features / characteristics. i.e. modification or change is not uncharacteristic and integrates seamlessly within the receiving landscape or views.	Less than Minor Effect
Very Low	Little or no loss/modification to key elements / features / characteristics of the baseline, i.e. approximating a 'no change' situation that is barely discernible.	

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HBRC FLOOD RESILIENCE - PŌRANGAHAU

Landscape Effects Scoping

Prepared for
Hawke's Bay Regional Council

November 2025

ATTACHMENT 1 - GRAPHICS PACKAGE

ATTACHMENT 1 - GRAPHICS PACKAGE

LEGEND
Earth Embankment
Floodwall
Earth Fill (Draft)
Block Wall (Draft)

Dundas St
Keppel St
Abercromby St
Franklin St
Moore St
Jones St
Pah Rd
Pōrangahau Rd
C1530-C1660
C1240-C1530
C860-C1240
C470-C80
C50-C470
Pōrangahau River
Urupa Section
Wastewater Treatment
Rongomaraeroa Marae
29
28
6
2A
1
35
41
43
45

Narrative LANDSCAPE

Flood Resilience PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint Locations
SHEET 01

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Scale	1:3,000
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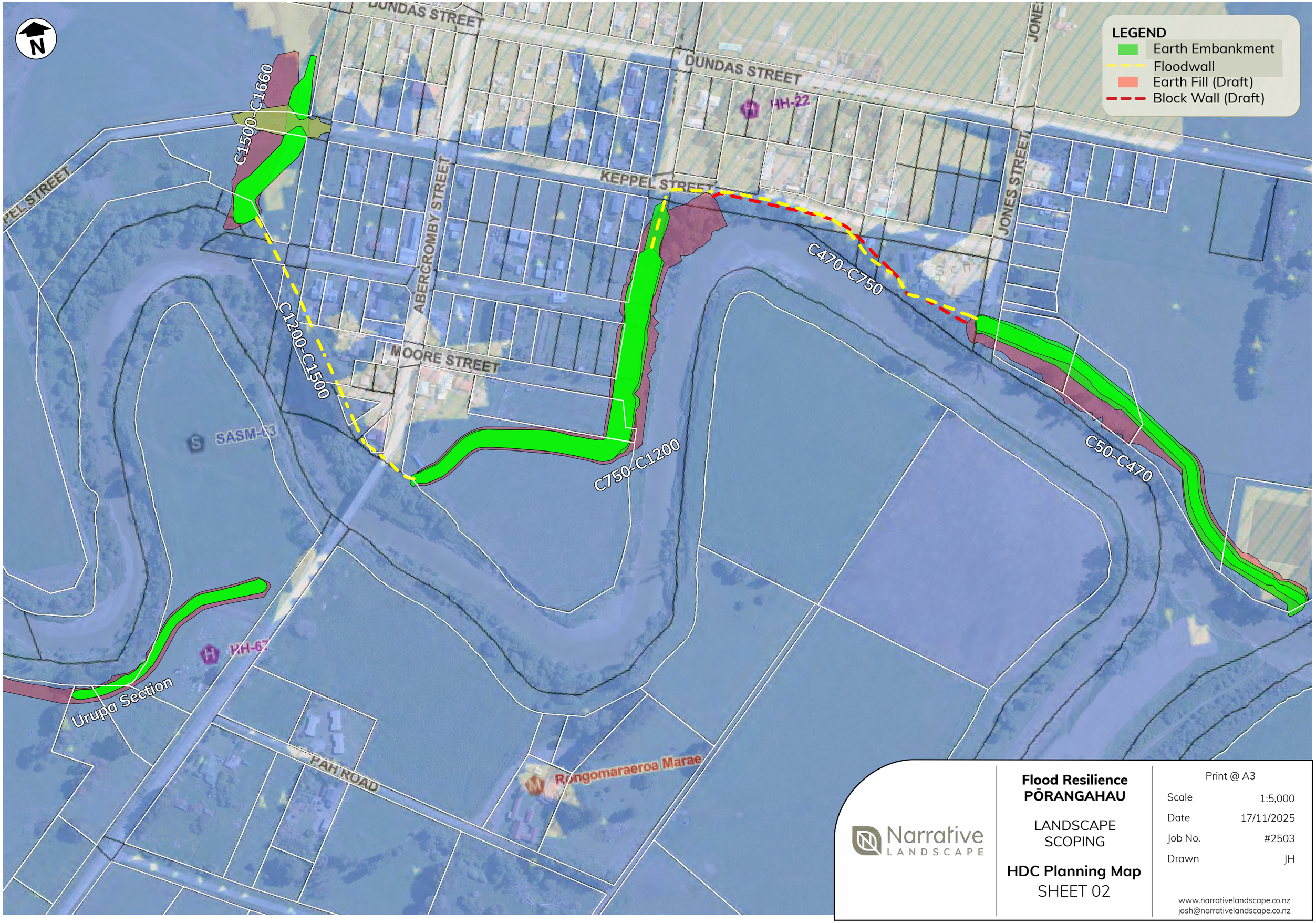

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LANDSCAPE SCOPING

HDC Planning Map
SHEET 02

Narrative LANDSCAPE

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Scale	1:5,000
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Return to Map

VIEWPOINT A - PHOTO DETAILS
Date: 4/02/2025
Time: 10:10am

Lattitude: 40°18’24.51” S
Longitude: 176°36’31.908” E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint A
SHEET 03

Print @ A3

Scale	N/A
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VIEWPOINT B - PHOTO DETAILS
Date: 4/02/2025
Time: 10:10am

Lattitude: 40°18'24.51" S
Longitude: 176°36'31.908" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

Return to Map

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Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint B
SHEET 04

Print @ A3

Scale	N/A
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VIEWPOINT C - PHOTO DETAILS
Date: 4/02/2025
Time: 10:38am

Lattitude: 40°18'22.692" S
Longitude: 176°36'33.642" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

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Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint C
SHEET 05

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Scale	N/A
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VIEWPOINT D - PHOTO DETAILS
Date: 4/02/2025
Time: 10:53am

Lattitude: 40°18'19.644" S
Longitude: 176°36'37.38" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint D
SHEET 06

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VIEWPOINT E - PHOTO DETAILS
Date: 4/02/2025
Time: 10:53am

Lattitude: 40°18'19.02" S
Longitude: 176°36'37.512" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

Narrative LANDSCAPE

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LANDSCAPE SCOPING

Viewpoint E
SHEET 07

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VIEWPOINT F - PHOTO DETAILS
Date: 4/02/2025
Time: 10:55am

Lattitude: 40°18'17.76" S
Longitude: 176°36'39.264" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

Return to Map

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Viewpoint F
SHEET 08

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VIEWPOINT G - PHOTO DETAILS
Date: 4/02/2025
Time: 10:55am

Lattitude: 40°18'17.622" S
Longitude: 176°36'39.684" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

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Viewpoint G
SHEET 09

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VIEWPOINT H - PHOTO DETAILS
Date: 4/02/2025
Time: 11:01am

Lattitude: 40°18'15.33" S
Longitude: 176°36'43.44" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

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Viewpoint H
SHEET 10

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VIEWPOINT I - PHOTO DETAILS
Date: 4/02/2025
Time: 11:01am

Lattitude: 40°18'15.33" S
Longitude: 176°36'43.44" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

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Viewpoint I
SHEET 11

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VIEWPOINT J - PHOTO DETAILS
Date: 4/02/2025
Time: 11:29am

Lattitude: 40°18'13.17" S
Longitude: 176°36'44.634" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

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Viewpoint J
SHEET 12

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VIEWPOINT K - PHOTO DETAILS
Date: 4/02/2025
Time: 11:28am

Lattitude: 40°18'9.234" S
Longitude: 176°36'45.378" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

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Viewpoint K
SHEET 13

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VIEWPOINT L - PHOTO DETAILS
Date: 4/02/2025
Time: 11:28am

Lattitude: 40°18'9.234" S
Longitude: 176°36'45.378" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

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Flood Resilience
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Viewpoint L
SHEET 14

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VIEWPOINT M - PHOTO DETAILS
Date: 4/02/2025
Time: 11:07am

Lattitude: 40°18'7.158" S
Longitude: 176°36'33.144" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

Narrative LANDSCAPE

Flood Resilience
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Viewpoint M
SHEET 15

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VIEWPOINT N - PHOTO DETAILS
Date: 4/02/2025
Time: 11:07am

Lattitude: 40°18'7.158" S
Longitude: 176°36'33.144" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

Return to Map

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Viewpoint N
SHEET 16

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VIEWPOINT O - PHOTO DETAILS
Date: 4/02/2025
Time: 11:13am

Lattitude: 40°18'10.242" S
Longitude: 176°36'51.774" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

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Viewpoint O
SHEET 17

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VIEWPOINT P - PHOTO DETAILS
Date: 4/02/2025
Time: 11:13am

Lattitude: 40°18'10.242" S
Longitude: 176°36'51.774" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

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Flood Resilience
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Viewpoint P
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VIEWPOINT Q - PHOTO DETAILS
Date: 4/02/2025
Time: 11:15am

Lattitude: 40°18'11.256" S
Longitude: 176°36'54.93" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

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Viewpoint Q
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VIEWPOINT R - PHOTO DETAILS
Date: 4/02/2025
Time: 11:17am

Lattitude: 40°18'12.54" S
Longitude: 176°36'59.238" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

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Viewpoint R
SHEET 20

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VIEWPOINT S - PHOTO DETAILS
Date: 4/02/2025
Time: 11:17am

Lattitude: 40°18'12.54" S
Longitude: 176°36'59.238" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

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Viewpoint S
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VIEWPOINT T - PHOTO DETAILS
Date: 4/02/2025
Time: 11:21am

Lattitude: 40°18'14.004" S
Longitude: 176°37'4.158" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

Return to Map

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint T
SHEET 22

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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Return to Map

VIEWPOINT U - PHOTO DETAILS
Date: 4/02/2025
Time: 11:20am

Lattitude: 40°18'15.03" S
Longitude: 176°37'3.408" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint U
SHEET 23

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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Return to Map

VIEWPOINT V - PHOTO DETAILS
Date: 4/02/2025
Time: 11:19am

Lattitude: 40°18'13.578" S
Longitude: 176°37'3.03" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint V
SHEET 24

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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Return to Map

VIEWPOINT V - PHOTO DETAILS
Date: 4/02/2025
Time: 11:19am

Lattitude: 40°18'13.578" S
Longitude: 176°37'3.03" E

Camera/Lens: Canon 6D mkii/24mm
Field of View: 40°

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint W
SHEET 25

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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VIEWPOINT 1 - PHOTO DETAILS

Date: 4/02/2025
Time: 10:32am

Lattitude: 40° 18’ 22.026” S
Longitude: 176° 36’ 26.82” E

Camera/Lens: DJI Mini 2/24mm (Stitched Panorama)
Field of View: 90°

Return to Map

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint 1
SHEET 26

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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VIEWPOINT 2 - PHOTO DETAILS

Date: 4/02/2025
Time: 10:35am

Latitude: 40° 18’ 11.25” S
Longitude: 176° 36’ 33.39” E

Camera/Lens: DJI Mini 2/24mm (Stitched Panorama)
Field of View: 90°

Return to Map

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint 2
SHEET 27

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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VIEWPOINT 3 - PHOTO DETAILS

Date: 4/02/2025
Time: 10:35am

Latitude: 40° 18’ 11.25” S
Longitude: 176° 36’ 33.39” E

Camera/Lens: DJI Mini 2/24mm (Stitched Panorama)
Field of View: 90°

Return to Map

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint 3
SHEET 28

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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VIEWPOINT 4 - PHOTO DETAILS

Date: 4/02/2025
Time: 10:36am

Latitude: 40° 18’ 18.468” S
Longitude: 176° 36’ 36.504” E

Camera/Lens: DJI Mini 2/24mm (Stitched Panorama)
Field of View: 90°

Return to Map

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint 4
SHEET 29

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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VIEWPOINT 5 - PHOTO DETAILS

Date: 4/02/2025
Time: 10:38am

Latitude: 40° 18' 24.06" S
Longitude: 176° 36' 51.408" E

Camera/Lens: DJI Mini 2/24mm (Stitched Panorama)
Field of View: 90°

Return to Map

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint 5
SHEET 30

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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VIEWPOINT 6 - PHOTO DETAILS

Date: 4/02/2025
Time: 10:40am

Latitude: 40° 18' 15.114" S
Longitude: 176° 36' 51.408" E

Camera/Lens: DJI Mini 2/24mm (Stitched Panorama)
Field of View: 90°

Return to Map

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint 6
SHEET 31

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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VIEWPOINT 7 - PHOTO DETAILS

Date: 4/02/2025
Time: 10:41am

Latitude: 40° 18' 13.308" S
Longitude: 176° 36' 56.292" E

Camera/Lens: DJI Mini 2/24mm (Stitched Panorama)
Field of View: 90°

Return to Map

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint 7
SHEET 32

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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VIEWPOINT 8 - PHOTO DETAILS

Date: 4/02/2025
Time: 10:43am

Latitude: 40° 18' 18.612" S
Longitude: 176° 37' 4.242" E

Camera/Lens: DJI Mini 2/24mm (Stitched Panorama)
Field of View: 90°

Return to Map

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint 8
SHEET 33

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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VIEWPOINT 9 - PHOTO DETAILS

Date: 4/02/2025
Time: 10:45am

Latitude: 40° 18' 24.33" S
Longitude: 176° 37' 10.59" E

Camera/Lens: DJI Mini 2/24mm (Stitched Panorama)
Field of View: 90°

Return to Map

Narrative LANDSCAPE

Flood Resilience
PŌRANGAHAU

LANDSCAPE SCOPING

Viewpoint 9
SHEET 34

Print @ A3

Scale	N/A
Date	17/11/2025
Job No.	#2503
Drawn	JH

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