



## Viewpoint 11 - 363 Tutaki Road (2)

### Figure 012

View from 363 Tutaki Road, looking south west towards the site.







## KiwiRail Regional Freight Hub

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 11:22am 28 July 2020 | N 5535583 E 1824211 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 50m :

Field of View Approximately 110° horizontal (across 2 x A3 pages) & 34° vertical

Viewpoint 11 - 363 Tutaki Road (2)  
Figure 012  
Page 2 of 2 page spread.





## Viewpoint 12 - 662 Roberts Line

### Figure 013

View from 662 Roberts Line, looking west from an upstairs window towards Railway Rd, Roberts Line intersection and the site.







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 03:32pm 28 July 2020 | N 5534570 E 1824003 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 65m :

Field of View Approximately 110° horizontal (across 2 x A3 pages) & 34° vertical

Viewpoint 12 - 662 Roberts Line  
Figure 013  
Page 2 of 2 page spread.

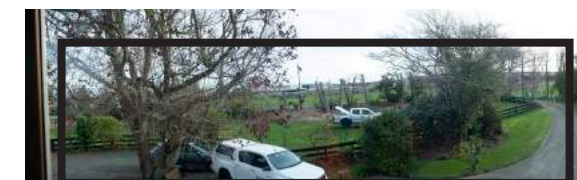




## Viewpoint 13 - 672 Roberts Line

### Figure 014

View from 672 Roberts Line, looking south west from an upstairs window towards Railway Rd, Roberts Line intersection.







## KiwiRail Regional Freight Hub

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 04:13pm 28 July 2020 | N 5534307 E 1823808 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 53m :

Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 13 - 672 Roberts Line  
Figure 014  
Page 2 of 2 page spread.





## Viewpoint 14 - 789 Railway Road

### Figure 015

View from within the proposed designation, 789 Railway Road, looking south west towards Roberts Line and Clevely Line.







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 03:32pm 27 July 2020 | N 5535728 E 1823520 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 42m :

Field of View Approximately 110° horizontal (across 2 x A3 pages) & 34° vertical

Viewpoint 14 - 789 Railway Road  
Figure 015  
Page 2 of 2 page spread.





## Viewpoint 15 - 789 Railway Road (2)

### Figure 016

View from within the proposed designation, 789 Railway Road, looking south east towards Railway Rd







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 3:47pm 27 July 2020 | N 5535666 E 1823424 (NZTM)  
Reading distance for correct scale: 400mm | Viewpoint Elevation: 31m :  
Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 15 - 789 Railway Road (2)  
Figure 016  
Page 2 of 2 page spread.





## Viewpoint 16 - 788 Roberts Line

### Figure 017

View from within the proposed designation, at 788 Roberts Line, looking north-east towards Clevely Line and Railway Rd.







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 12:47pm 28 July 2020 | N 5535381 E 1823110 (NZTM)  
Reading distance for correct scale: 400mm | Viewpoint Elevation: 40m :  
Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 16 - 788 Roberts Line  
Figure 017  
Page 2 of 2 page spread.





## Viewpoint 17 - 788 Roberts Line (2)

### Figure 018

View from within the proposed designation, at 788 Roberts Line, looking north-west towards Clevely Line.







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 12:56pm 28 July 2020 | N 5535462 E 1823038 (NZTM)  
Reading distance for correct scale: 400mm | Viewpoint Elevation: 41m :  
Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 17 - 788 Roberts Line (2)  
Figure 018  
Page 2 of 2 page spread.





# Viewpoint 18 - 125 Kairanga Bunnythorpe Road

## Figure 019

View from within the proposed designation, at 125 Kairanga Bunnythorpe Road, looking east towards Clevely Line ( Location on the eastern side of the Mangaone Stream)







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 4:47pm 27 July 2020 | N 5536257 E 1823007 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 41m :

Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 18 - 125 Kairanga Bunnythorpe Road  
Figure 019  
Page 2 of 2 page spread.





## Viewpoint 19 - 307 Te Ngaio Road

### Figure 020

View from within the proposed designation at 307 Te Ngaio Road, looking south-west towards Te Ngaio Rd and Railway Rd.







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 11:58am 28 July 2020 | N 5536464 E 1823722 (NZTM)  
Reading distance for correct scale: 400mm | Viewpoint Elevation: 44m :  
Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 19 - 307 Te Ngaio Road  
Figure 020  
Page 2 of 2 page spread.

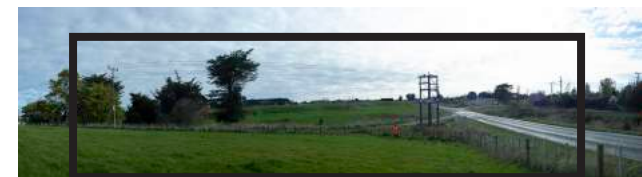




## Viewpoint 20 - 307 Te Ngaio Road (2)

### Figure 021

View from within the proposed designation at 307 Te Ngaio Road, looking north towards the Clevely Line-Railway Rd intersection.







## KiwiRail Regional Freight Hub

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 12:06pm 28 July 2020 | N 5536567 E 1823728 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 41m :

Field of View Approximately 110° horizontal (across 2 x A3 pages) & 34° vertical

Viewpoint 20 - 307 Te Ngaio Road (2)  
Figure 021  
Page 2 of 2 page spread.





## Viewpoint 21 - 282 Railway Road

### Figure 022

View from 282 Railway Road Intersection, looking West towards the site.







## KiwiRail Regional Freight Hub

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 1:32pm 16 June 2021 | N 5535113 E 1823710 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 45m :

Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 21 - 282 Railway Road  
Figure 022  
Page 2 of 2 page spread.





## Viewpoint 22 - 73 Sangsters Road

### Figure 023

View from just south of 73 Sangsters Road, looking west towards the site.







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 12:49pm 16 June 2021 | N 5536001 E 1823773 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 44m :

Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 22 - 73 Sangsters Road  
Figure 023  
Page 2 of 2 page spread.





## Viewpoint 23 - 11 Sangsters Road

### Figure 024

View from 11 Sangsters Road, looking west towards the site.







## KiwiRail Regional Freight Hub

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 12:34pm 16 June 2021 | N 5536613 E 1823806 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 46m :

Field of View Approximately 110° horizontal (across 2 x A3 pages) & 34° vertical

Viewpoint 23 - 11 Sangsters Road  
Figure 024  
Page 2 of 2 page spread.





## Viewpoint 24 - 241 Te Ngaio Road

### Figure 025

View from 241 Te Ngaio Road, looking south east towards the site.







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 1:10pm 16 June 2021 | N 5536866 E 1823207 (NZTM)  
Reading distance for correct scale: 400mm | Viewpoint Elevation: 46m :  
Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 24 - 241 Te Ngaio Road  
Figure 025  
Page 2 of 2 page spread.





## Viewpoint 25 - 163 Clevely Line West

### Figure 026

View from 163 Clevely Line West, looking south east towards the site.







## KiwiRail Regional Freight Hub

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 1:20pm 16 June 2021 | N 5536001 E 1823000 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 41m :

Field of View Approximately 110° horizontal (across 2 x A3 pages) & 34° vertical

Viewpoint 25 - 163 Clevely Line West  
Figure 026  
Page 2 of 2 page spread.





## Viewpoint 26 - 163 Clevely Line West (2)

### Figure 027

View from just south of 163 Clevely Line West, looking south east towards the site.







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 1:24pm 16 June 2021 | N 5535873 E 1822845 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 40m :

Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 26 - 163 Clevely Line West (2)  
Figure 027  
Page 2 of 2 page spread.





## Viewpoint 27 - Roberts Line North and Clevely Line West Figure 028

View from the corner of Roberts Line North and Clevely Line West intersection, looking east towards the site.







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 1:52pm 16 June 2021 | N 5535709 E 1822602 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 40m :

Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 27 - Roberts Line North and Clevely Line West  
Figure 028  
Page 2 of 2 page spread.





## Viewpoint 28 - 771 Roberts Line North

### Figure 029

View from 771 Roberts Line North, looking north towards the site.







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 1:42pm 16 June 2021 | N 5535087 E 1823119 (NZTM)

Reading distance for correct scale: 400mm | Viewpoint Elevation: 43m :

Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 28 - 771 Roberts Line North  
Figure 029  
Page 2 of 2 page spread.





## Viewpoint 29 - Richardsons Line

### Figure 030

View from Richardsons Line, looking north towards the site.







**KiwiRail Regional Freight Hub**

**Original Photo** Lisa Rimmer | 50mm | DSLR Nikon D700 | 1:34pm 16 June 2021 | N 5534796 E 1823329 (NZTM)  
Reading distance for correct scale: 400mm | Viewpoint Elevation: 45m :  
Field of View Approximately 110 ° horizontal (across 2 x A3 pages) & 34 ° vertical

Viewpoint 28 - 771 Roberts Line North  
Figure 029  
Page 2 of 2 page spread.



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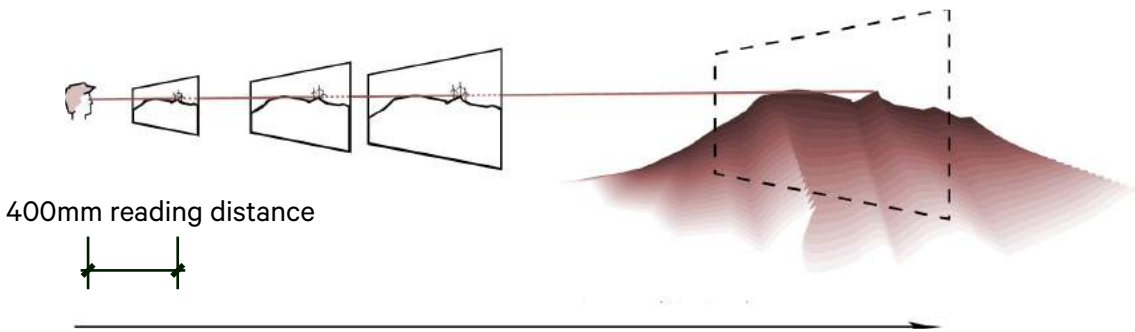


### Context Photograph Methodology Statement

- Photos were taken with a fixed lens on DSLR camera. Locations were fixed using a handheld GPS unit with accuracy of 5m. Reference points in the landscape were also located to assist referencing of photo to digital terrain model.
- A sequence of photos was taken from each viewpoint and stitched to form panoramas. Photos were overlapped by approximately 30% and edges cropped prior to stitching to eliminate edge distortion.
- The time and weather when the photo was taken was entered to the programme in order to replicate lighting conditions.
- The completed photomontage is presented over two pages:
  - The photos are produced to replicate correct scale at the nominated reading distance (in this case 400mm).
  - Each photomontage is printed across two facing pages to illustrate a field of view of approximately 110° at a reading distance of 400mm. This approximates the field of human binocular vision. (But not peripheral vision which extends to approximately 200°)

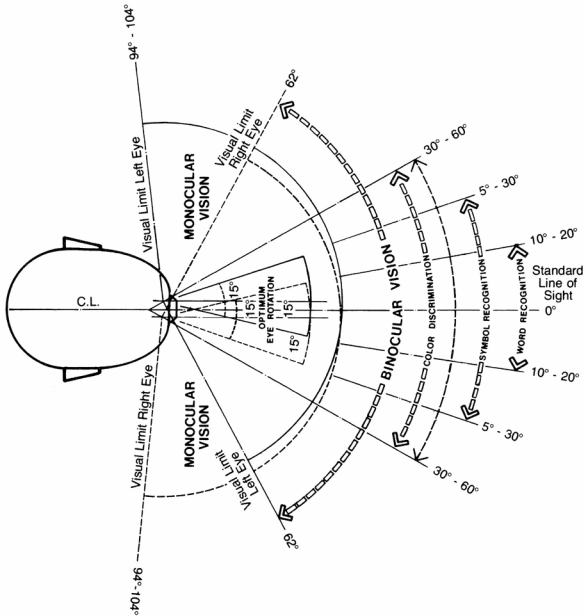
### Notes on use of Context Photographs:

- The Context Photographs are a useful tool but they cannot not precisely reproduce real life for the following reasons:
  - 2D Photography flattens an image compared to binocular vision.
  - Photography is static, whereas the human vision can scan and remember information.
  - Photographs are passive, whereas the eye seeks out detail.
  - The human eye can see more contrast than can be reproduced through photography.
  - Physical resolution of photography and printing is less than that of the human eye.



**Figure 01:** The relationship between reading distance and real life scale.

**Figure 31**



**Figure 02:** Binocular vision is approximately 124°. Field of view is approximately 110° across 2 x A3 pages at correct scale image for 400mm reading distance (vertical field of view is approximately 33°)



**Figure 03:** Comparison of 35mm lens and 50mm lens

Two images from the same location. With 35mm and 50mm lenses perspective is influenced by field of view, not by lens focal length. The overlaid portion is identical.