

**Te Pūmanawa o Tamaki - DTC Development.
Appendix B to the Landscape Assessment.
Rev E.**

January 2025

Isthmus.

**Land.
People.
Culture.
Isthmus.**



Isthmus.

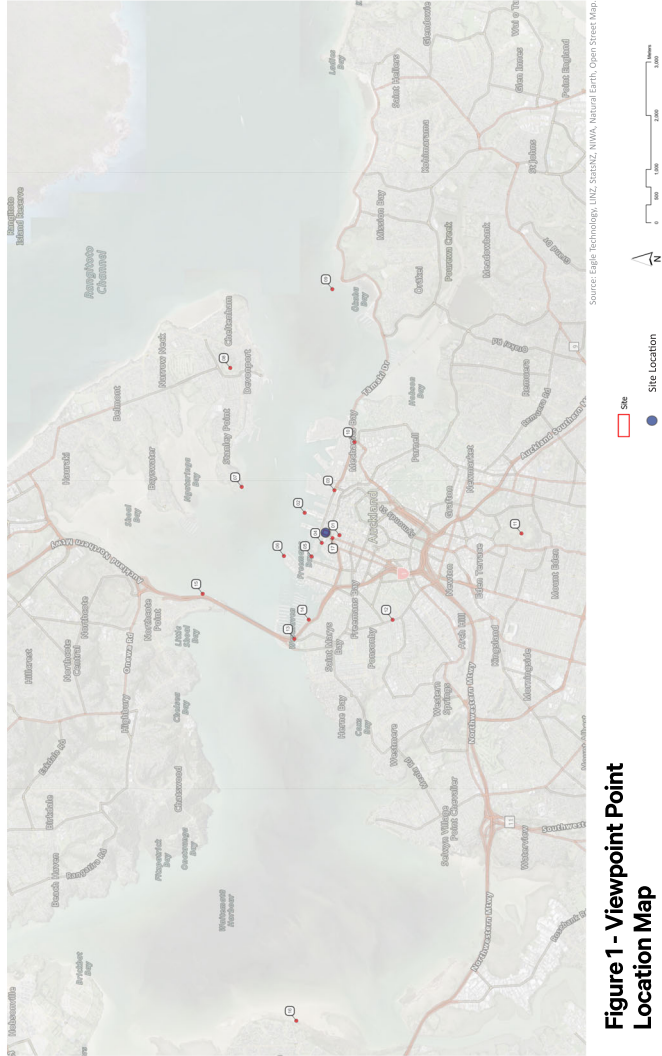
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**Figure 1 - Viewpoint Point
Location Map**

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19 Papanui Street, Auckland, New Zealand | January 2025

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19 Papanui Street, Auckland, New Zealand | January 2025



Figure 2 - Viewpoint 1 - Existing

View from St. Patrick's Square looking north along Federal Street.

Original Photo AE | 50mm | DSLR | Nikon D810 | 1/185s | 05 July 2024 | 175722E 592081EN (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 17m
 Field of View Approximately 10° | Horizontal (across Z-X Axis) pages 8 & 34 - vertical



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 19 Fitzsimmons St. Tamaki - OTC Redevelopment | January 2025



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Figure 3 - Viewpoint 1 - Proposed

View from St. Patrick's Square looking north along Federal Street.

Original Photo AE | 50mm | DSLR | Nikon D810 | 1/85s | 05 July 2024 | 175722E 5920818N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 17m
 Field of View Approximately 10° | Horizontal (across Z-X-A3 pages) & 34° | Vertical



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Figure 4 - Viewpoint 2 - Existing

View from Queens Wharf looking south.



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Original Photo AE | 50mm | DSLR Nikon D810 | 1/277ms 04 July 2024 | 1757867E 592433N (NZTM)
Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 4m
Field of View Approximately 10° | Horizontal (degrees Zx Az) pages 3 & 34 - vertical

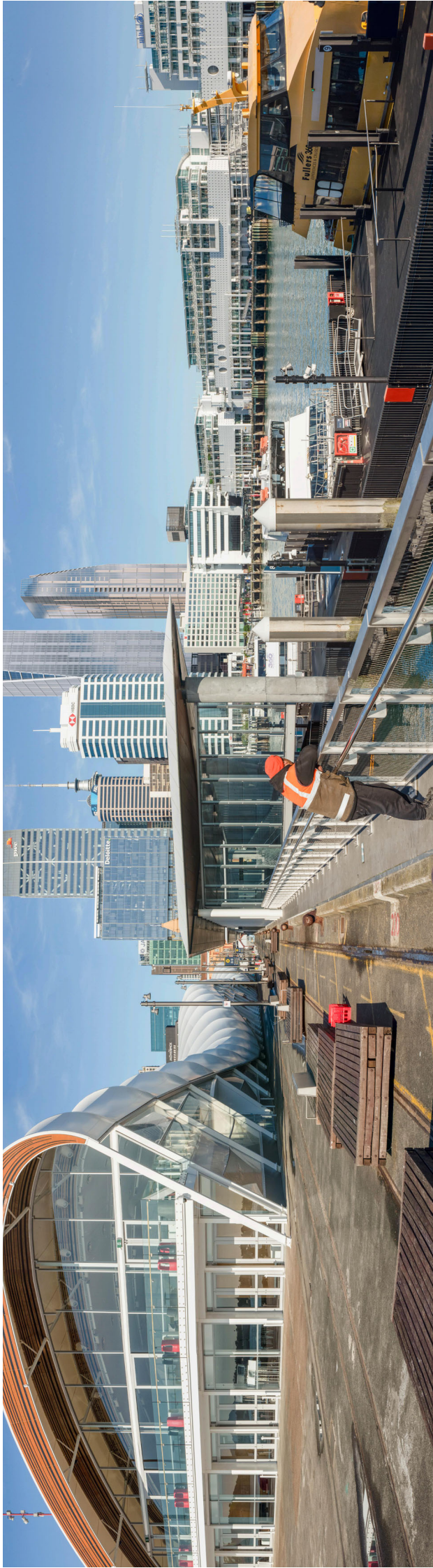


Figure 5 - Viewpoint 2 - Proposed

View from Queens Wharf looking south.

Original Photo AE | 50mm | DSLR Nikon D810 | 1/277ms 04 July 2024 | 1757867E 592433N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 4m
 Field of View Approximately 10° | Horizontal (degrees Z x A3 pages) 8, 34° | vertical



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Figure 6 - Viewpoint 3 - Existing

View From Quay Street looking west.

Original Photo AE | 50mm | DSLR | Nikon D810 | 10/3hrs 04 July 2024 | 1758061E 5920892N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 3m
 Field of View Approximately 10° horizontal (cross 2 x A3 pages) & 34° vertical



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 Te Pūnahaui o Tāmaki - OTC Redevelopment | January 2025



Figure 7 - Viewpoint 3 - Proposed

View from Quay Street looking west.

Original Photo AE | 50mm | DSLR | Nikon D810 | 10/3hrs 04 July 2024 | 1758061E 5920892N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 3m
 Field of View Approximately 10° | Horizontal (degrees Z X A3 pages) & 34° | Vertical



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Figure 8 - Viewpoint 4 - Existing

View from the Viaduct Esplanade (within the Viaduct Harbour) looking east.

Original Photo AE | 50mm | DSLR Nikon D810 | 1/250hrs 05 July 2024 | 175702E 592113N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 4m
 Field of View Approximately 10° horizontal (covers 2 x A3 pages) & 34° vertical



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 The Peninsular in Tauranga - DTIC Redevelopment | January 2025



Figure 9 - Viewpoint 4 - Proposed

View from the Viaduct Esplanade (within the Viaduct Harbour) looking east.

Original Photo AE | 50mm | DSLR | Nikon D810 | 1/250hrs | 05 July 2024 | 1757102E 5921133N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 4m
 Field of View Approximately 10° | Horizontal (across Z-X Axis) pages 8 & 34 - vertical



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Figure 10 - Viewpoint 5 - Existing

View from Karanga Plaza looking east.

Original Photo AE | 50mm | DSLR Nikon D810 | 1/12hrs 05 July 2024 | 1756800E 5921647N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 4m
 Field of View Approximately 10° horizontal (across Z.X A3 pages 8, 34) - vertical



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Figure 11 - Viewpoint 5 - Proposed

View from Karanga Plaza looking east.

Original Photo AE | 50mm | DSLR Nikon D810 | 1/12hrs 05 July 2024 | 1756800E 5921647N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 4m
 Field of View Approximately 10° horizontal (across Z.X A3 pages) & 34° vertical



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Figure 12 - Viewpoint 6 - Existing

View From Hamar Street / Brigham Street (Wynyard Point) looking southeast.

Original Photo AE | 50mm | DSLR Nikon D850 | 1/1000s 05 July 2024 | 1756881E 5921620N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 4m
 Field of View Approximately 110° horizontal (across 2 x A3 pages) 8.34° vertical

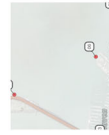
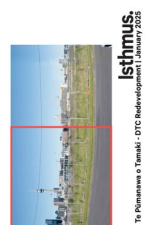




Figure 13 - Viewpoint 6 - Proposed
View from Hamar Street / Brigham Street (Wynyard Point) looking southeast.

Original Photo AE | 50mm | DSLR Nikon D850 | 1/1000s 05 July 2024 | 1756881E 5921620N (NZTM)
Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 4m
Field of View: Approximately 110° horizontal (across 2 x A3 pages) & 34° vertical



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Figure 14 - Viewpoint 7 - Existing

View from Cyril Bassett VC Lookout, 87 Stanley Point Road looking south.

Original Photo AE | 50mm | DSLR Nikon D810 | 1124hrs 04 July 2024 | 1798155E 5922610N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 27m
 Field of View Approximately 110° horizontal (cross 2 x A3 pages) & 34° vertical



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Figure 15 - Viewpoint 7 - Proposed
View from Cyril Bassett VC Lookout, 87 Stanley Point Road looking south.

Original Photo AE | 50mm | DSLR Nikon D810 | 1124hrs 04 July 2024 | 1758155E 5922610N (NZTM)
Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 27m
Field of View Approximately 110° horizontal (cross 2 x A3 pages) & 34° vertical



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Figure 16 - Viewpoint 8 - Existing

View from the summit of Takarunga (Mount Victoria) looking southwest.



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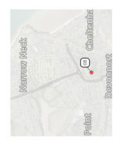


To: Pōwhiri o Tāmaki - OTC Redevelopment | January 2025

Original Photo AE | 50mm | DSLR Nikon D810 | 1/12hrs @ f/7.1 | ISO 100 | 1700888E 5922824N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 80m
 Field of View Approximately 110° horizontal (across 2 x A3 pages) 3:34 - vertical



Figure 17 - Viewpoint 8 - Proposed
View from the summit of Takarunga (Mount Victoria) looking southwest.



Original Photo AE | 50mm | DSLR Nikon D810 | 1/12hrs @ f/11 | 2024-1700888E 5922624N (NZTM)
Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 80m
Field of View Approximately 110° horizontal (across 2 x A3 pages) 3:34 - vertical



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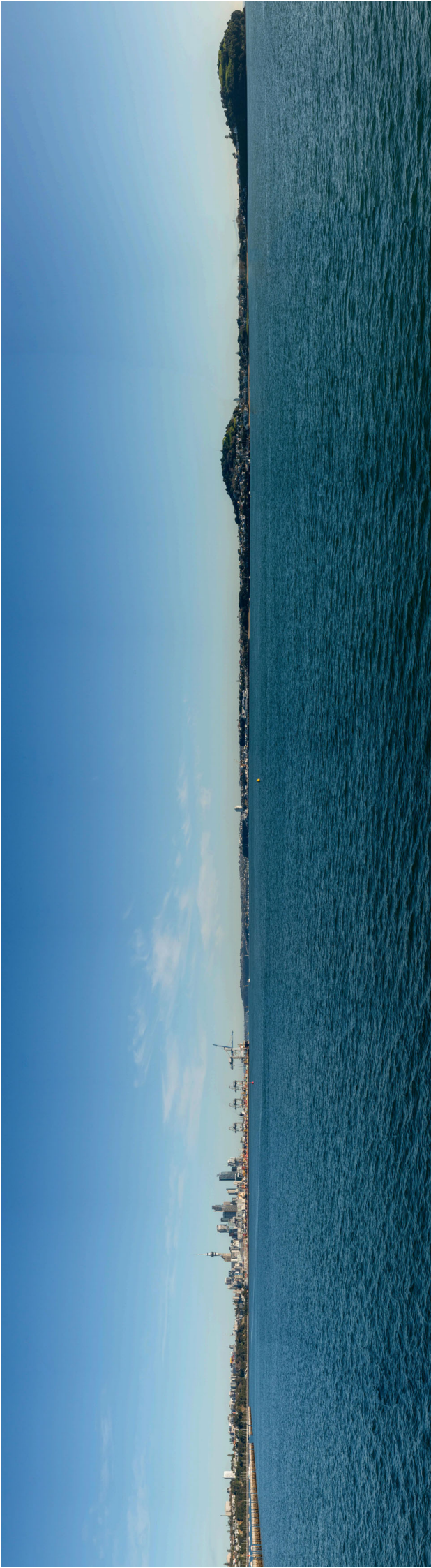
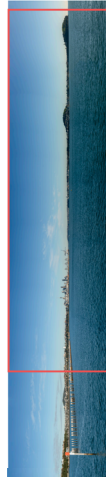


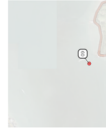
Figure 18 - Viewpoint 9 - Existing

View from Oaehu Bay Wharf (Oahe) looking west.



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Original Photo AE | 50mm | DSLR | Nikon D810 | 09/7/15 04 July 2014 | TD6B85E 592915N 142110
Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 3m
Field of View: Approximately 110° horizontal (cross Z X A3 pages 8, 34) - vertical

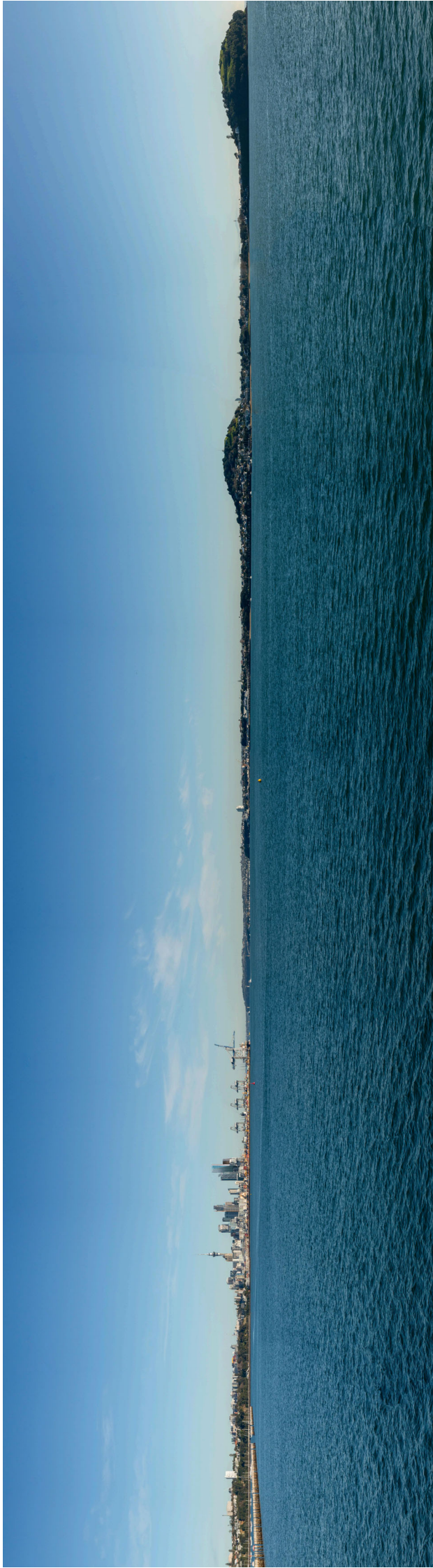
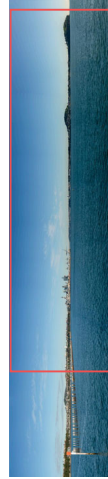
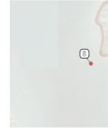


Figure 19 - Viewpoint 9 - Proposed

View from Ōrāhu Bay Wharf (Ōrāhu) looking west.



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Original Photo AE | 50mm | DSLR | Nikon D810 | 09/27/15 04: July 2024 | 1768852E 592915K (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 3m
 Field of View Approximately 10° horizontal (across Z X A3 pages 8, 34 - vertical



Figure 20 – Viewpoint 10 - Existing

View from intersection of The Strand and Tamsaki Drive (Parade) looking west.



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Original Photo AE | 50mm | DSLR Nikon D810 1/1004ths 04 July 2024 | IT58000E 592248IN (NZTM)
Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 11m
Field of View Approximately 10° horizontal across Z x A3 pages 8, 34 - vertical

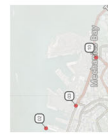
To: Pottersdam & Tamsaki - DTC Redevelopment | January 2025

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Figure 21 - Viewpoint 10 - Proposed
View from intersection of The Strand and Tamsaki Drive (Parramatta) looking west.

Original Photo AE | 50mm | DSLR Nikon D810 1/1004ths 04 July 2024 | 1758000E 5922481N (NZTM)
Reading distance for correct scale: 400mm | Viewpoint Elevator: Approx 11m
Field of View Approximately 10° | Horizontal (cross Z x A3 pages) & 34° | Vertical



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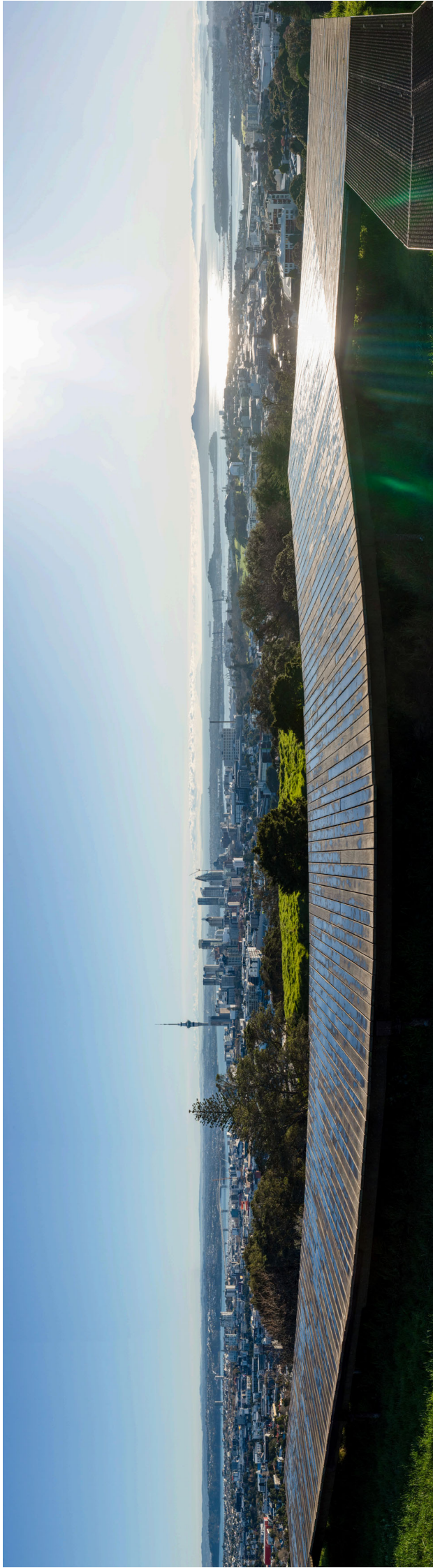
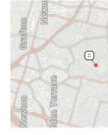


Figure 22 - Viewpoint 11 - Existing

View from the summit of Maungawhau (Mt. Eden) looking north.



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Original Photo AE | 50mm | DSLR Nikon D810 | 0807hrs 05 July 2024 | 1157284E 897378N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 182m.
 Field of View Approximately 110° horizontal (across 2 x A3 pages) 8.34° vertical

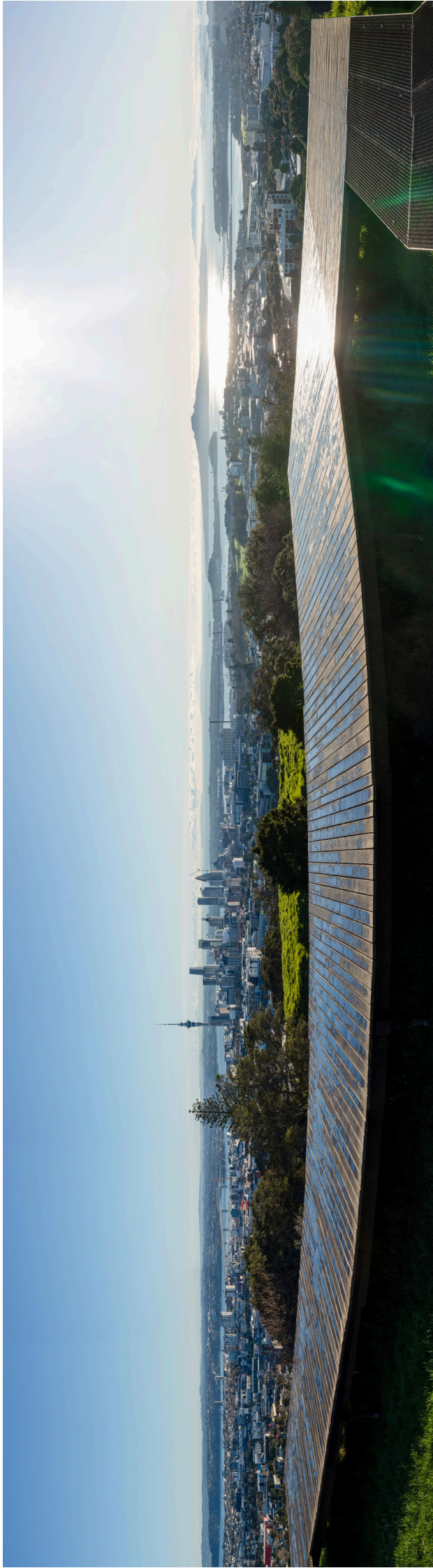
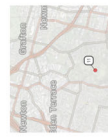


Figure 23 - Viewpoint 11 - Proposed

View from the summit of Maungawhau (Mt. Eden) looking north.



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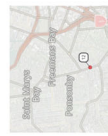
Original Photo AE | 50mm | DSLR Nikon D810 | 0807hrs 05 July 2024 | 1757294E 897378N (NZTM)
Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 162m.
Field of View Approximately 110° horizontal across Z x A3 pages 8, 34 - vertical



Figure 24 - Viewpoint 12 - Existing

View from the intersection of Ponsonby Road and Anglesea Street looking northeast.

Original Photo AE | 50mm | DSLR Nikon D810 | 1/400s | 05 July 2024 | 1755672E 5919788N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 85m
 Field of View Approximately 110° horizontal (across ZX AZ pages 1 & 3) - vertical



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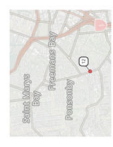


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Figure 25 - Viewpoint 12 - Proposed
View from the intersection of Ponsonby Road and Anglesea Street looking northeast.

Original Photo AE | 50mm | DSLR Nikon D810 | 1/4000s | 05 July 2024 | 1755672E 5919788N (NZTM)
Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 85m
Field of View Approximately 110° horizontal (across ZX AZ pages) & 34° vertical



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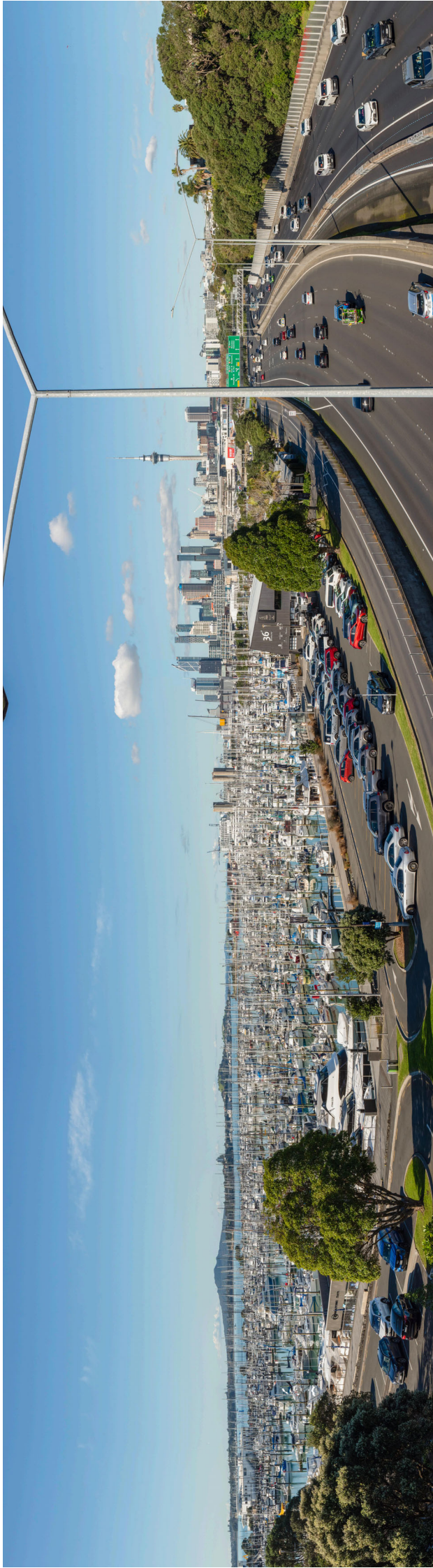


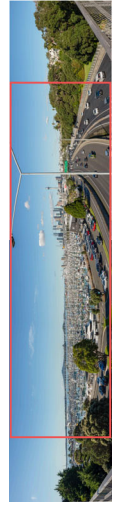
Figure 26 - Viewpoint 13 - Existing

View from the Shelly Beach Road off-ramp (over-bridge over SH1) looking east.

Original Photo AE | 50mm | DSLR | Nikon D810 | 1/248hrs 04 July 2024 | 1755308E 5921624N 012170
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 15m
 Field of View: Approximately 110° | Horizontal (across Z x A3 pages) & 34° | Vertical



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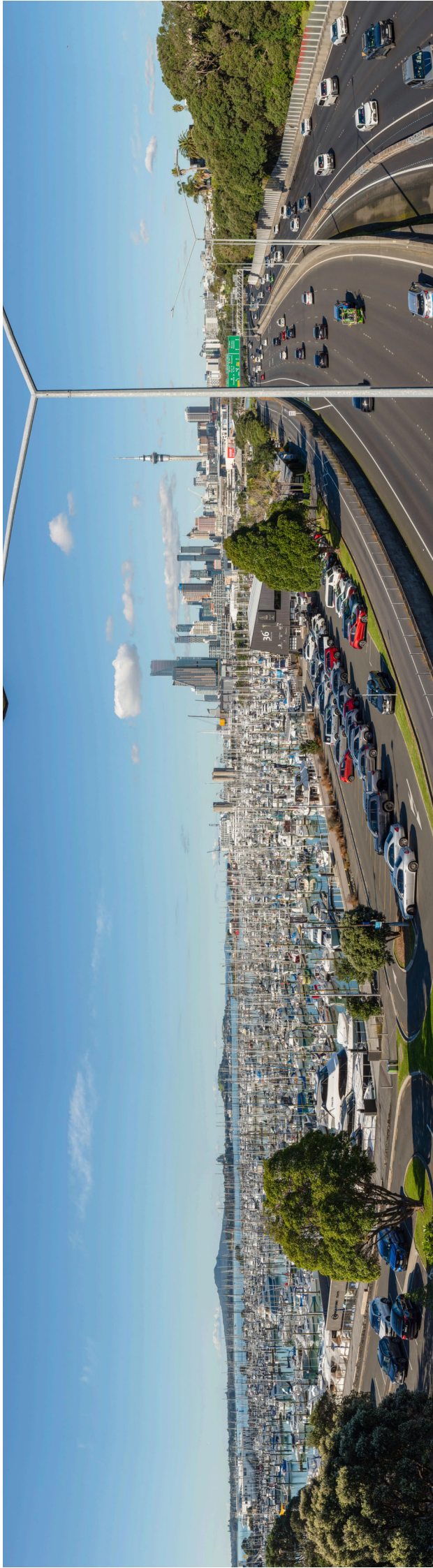


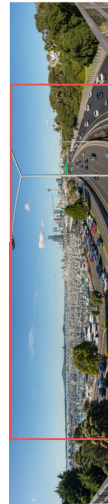
Figure 27 - Viewpoint 13 - Proposed

View from the Shelly Beach Road off-ramp (over-bridge over SH1) looking east.

Original Photo AE | 50mm | DSLR | Nikon D810 | 1/248ths 04 July 2024 | 1755308E 5921624N 0121710
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 15m
 Field of View: Approximately 110° | Horizontal (cross Z x A3 pages) 5:34° | Vertical



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Figure 28 - Viewpoint 14 - Existing

View from St. Mary's Bay Beach looking east.

Original Photo AE | 50mm | DSLR | Nikon D810 | 1454ms 04 July 2023 | 1756678E 592780N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 2m
 Field of View Approximately 110° | Horizontal (degrees Z X A3 pages) & 34° | Vertical



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Figure 29 - Viewpoint 14 - Proposed

View from St. Mary's Bay Beach looking east.

Original Photo AE | 50mm | DSLR | Nikon D810 | 1/454ms | 04 July 2023 | 1755678E 592780N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 2m
 Field of View Approximately 110° | Horizontal (degrees) X X-Axis pages 8 & 34 | Vertical



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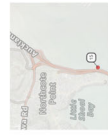
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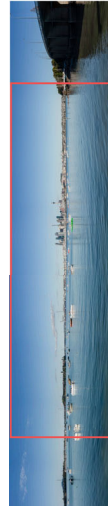
Figure 30 - Viewpoint 15 - Existing

View from Sulphur Beach Reserve looking southeast.

Original Photo AE | 50mm | DSLR Nikon D810 | 1/320s | 04 July 2024 | 1756157E 5923343N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 4m
 Field of View Approximately 110° horizontal (across 2 x A3 pages) S.34 - vertical



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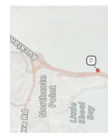
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Figure 31 - Viewpoint 15 - Proposed

View from Sulphur Beach Reserve looking southeast.

Original Photo AE | 50mm | DSLR Nikon D810 | 1/320s | 04 July 2024 | 1756157E 5923543N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx 4m
 Field of View Approximately 110° horizontal (across 2 x A3 pages) S 34° - vertical



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Original Photo AE | 50mm | DSLR Nikon D80 | 1044hrs 05 July 2024 | 1748165E 5921688N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 3m
 Field of View Approximately 110° Horizontal (Across 2 X A3 pages) & 34° Vertical

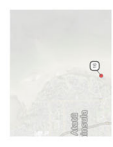
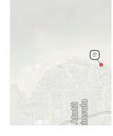


Figure 32 - Viewpoint 16 - Existing
 View From Harbour View Beach Reserve (To Atatu) looking east.

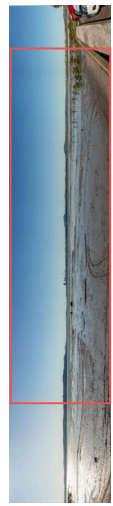


Figure 33 - Viewpoint 16 - Proposed

View from Harbour View Beach Reserve (To Atatu) looking east.



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Original Photo AE | 50mm | DSLR Nikon D80 | 10:44hrs 05 July 2024 | 174.8165E 592.6588N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 3m
 Field of View Approximately 110° Horizontal (Across 2 X A3 pages) & 34° Vertical



Figure 34 - Viewpoint 17 - Existing

View from corner of Fanshawe and Hobson Streets

Original Photo MJ | 50mm | DSLR Nikon D810 | 1250hrs 23 January 2025 | 1757197E 5920914N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 12m
 Field of View Approximately 110° horizontal (across Z.X Axis) pages 3 & 34 - vertical



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Figure 35 - Viewpoint 17 - Proposed

View from corner of Fanshawe and Hobson Streets

Original Photo MJ | 50mm | DSLR Nikon D810 | 1250hrs 23 January 2025 | 1757197E 5920914N (NZTM)
 Reading distance for correct scale: 400mm | Viewpoint Elevation: Approx. 12m
 Field of View Approximately 110° horizontal (across Z.X Axis) pages 8, 34 - vertical

Additional demolition scope beyond the Land Use application boundary



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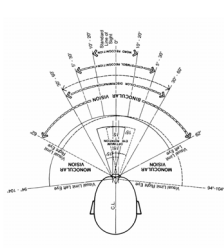


Figure 02: Binocular vision is approximately 12°. Field of view is approximately 110° across 2 x A3 pages at correct scale image for 400mm reading distance. Vertical field of view is approximately 33°

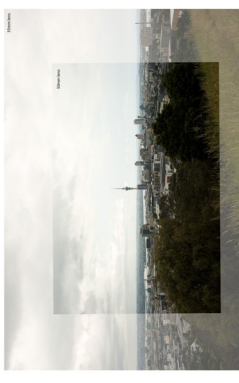


Figure 03: Comparison of 35mm lens and 50mm lens. Two images from the same location. With 35mm and 50mm lenses perspective is influenced by field of view, not by lens focal length. The overlaid portion is identical.

Photosimulation Methodology Statement

- Photos were taken with a 50mm fixed lens on DSLR camera. Locations were fixed using a handheld GPS unit with accuracy of 5m. These points were cross referenced using GIS information. Reference points in the images, such as trees and existing structures were also located to assist referencing of photo to digital model.
- A sequence of photos was taken from each viewpoint and attached to form panoramas. Photos were overlapped by approximately 30%, and edges cropped prior to stitching to eliminate edge distortion.
- A digital model was created. Computer images were generated within the digital scene from the same locations as the photos. The image was overlaid and aligned with the photo using key reference points and visual matching. (Photos were imported in RAW format to avoid degradation of the image, requiring resizing to match the computer image).
- The wire-frame was then switched off leaving the proposed activity in its correct location and scale relative to the background. The proposed activity were erased using Photoshop software where they would be behind foreground items.
- The time and weather when the photo was taken was entered to the program in order to replicate lighting conditions.
- The completed photosimulation is presented over two pages:
 - The photos are produced to replicate correct scale at the nominated reading distance (in this case 400mm).
 - Each photosimulation 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 Photosimulations:

- The Photosimulations 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.



Figure 04: The relationship between reading distance and real life scale.

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Figure 3 – Methodology

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**Land.
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Culture.
Isthmus.**

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