

11 - 13 FLEET STREET

GRAPHIC SUPPLEMENT

JUNE 2022



11 - 13 Fleet Street, Eden Terrace



Contents

MAPS

- MAP 1: Wider Context Plan
- MAP 2: AUP(OP) Planning Map
- MAP 3: Site Context

FIGURES

- FIGURE 4: Viewpoint Locations

VISUAL SIMULATIONS

- VS 1A: View from 22 Fleet Street looking North - Panorama (Existing)
- VS 1B: View from 22 Fleet Street looking North - Panorama (Proposed)
- VS 2A: View from 6 Fleet Street looking South - Panorama (Existing)
- VS 2B: View from 6 Fleet Street looking South - Panorama (Proposed)

- FIGURE 5: Methodology - Visual Simulations











Note: Non-standard stitched panorama (two row, shifted)

Existing View



Note: Non-standard stitched panorama (two row, shifted)

Proposed View



Note: Non-standard stitched panorama (two row, shifted)

Existing View

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Viewpoint Details

NZTM Easting	: 1756572 mE	Horizontal Field of View	: 90°
NZTM Northing	: 5918853 mN	Vertical Field of View	: shifted crop from 57°
Elevation/Eye Height	: 59.6m / 1.6m	Projection	: Rectilinear
Date of Photography	: 11:06am 20 April 2022 NZST	Image Reading Distance @ A3	is 20 cm

Data Sources: BML - Photography; AC - Aerial Imagery 2017, LiDAR 2016 AUK46; PBA - Survey: 938_surv_220311_1143 - SS01 Rev A_Topo.dwg, Model: 938_pba_220429_Fleet St_RC.rvt

11 - 13 FLEET STREET

View from 6 Fleet Street looking South

Date: 3 June 2022 Revision: 0

Plan prepared for Shackleton Developments by Boffa Miskell Limited

Project Manager: s 9(2)(a) | Drawn: RGo | Checked: JWi

VS 2A



Note: Non-standard stitched panorama (two row, shifted)

Proposed View

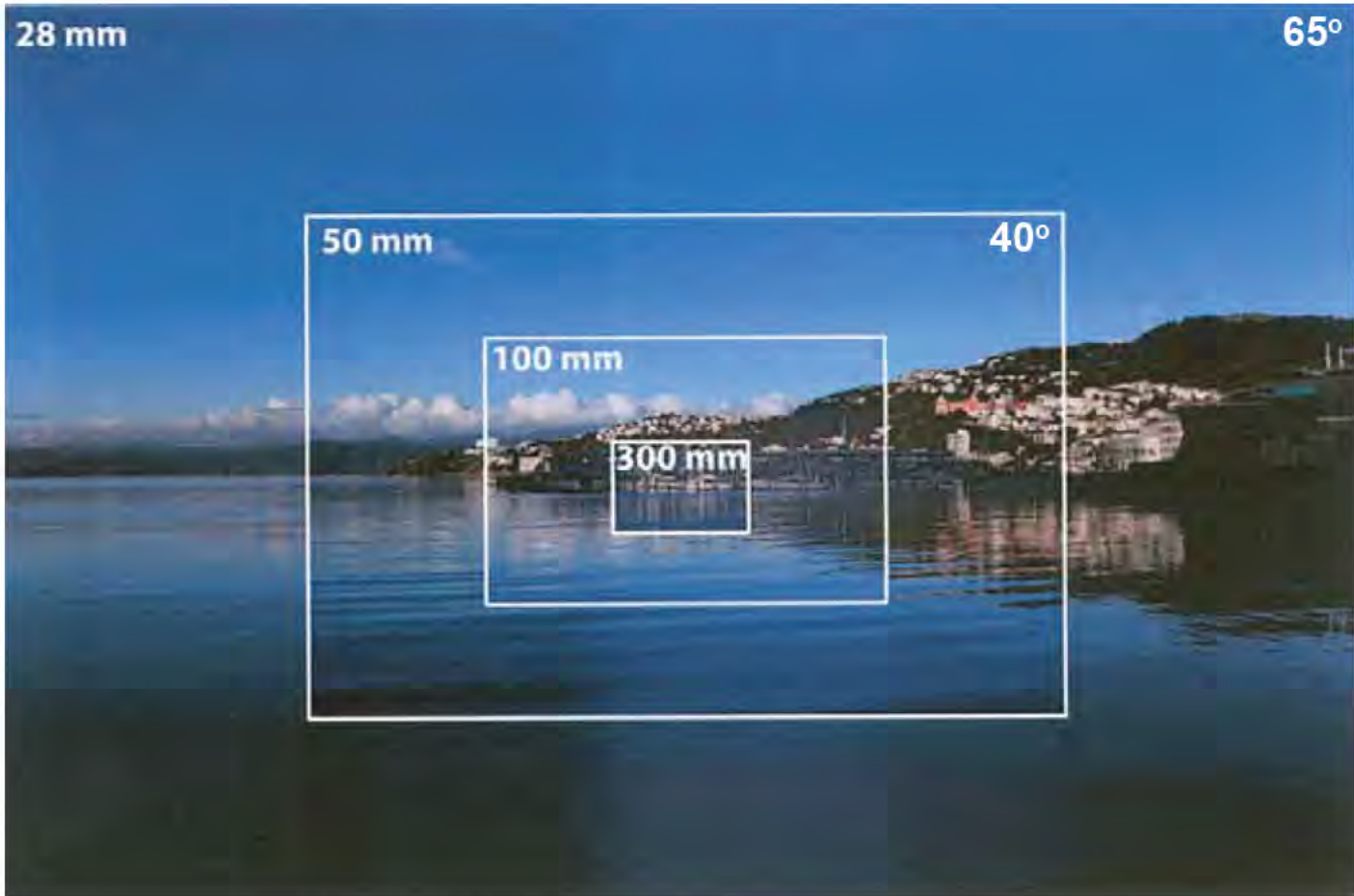
SITE VISIT & PHOTOGRAPHY

Site photographs were taken with a Canon digital SLR camera fitted with a 50mm focal length lens, mounted on a tripod and panoramic head. A series of photos were taken at predetermined viewpoints, situated on public land. The locations of each viewpoint were fixed by using an EMLID Reach2 GPS Rover unit.

NZILA GUIDELINES & PANORAMA PREPARATION

The visualisations have been produced in accordance with the NZILA Best Practice Guidelines for Visual Simulations (BPG 10.2) and also adhere to Boffa Miskell’s internal Visualisation Guidelines.

Camera lenses of different focal lengths capture images with differing fields of view. To understand how illusions are created by different lens sizes, one must understand depth of field and how “depth of field” and “field of view” are related. As can be seen below (derived from Fig 9 of the NZILA BPG), a photo taken with a 28mm lens will provide a horizontal field of view of 65° - using a 50mm lens will provide a “cropped” (40°) version of the same view. The same image size can also be achieved by taking multiple 50mm photos in “portrait” mode, and using digital stitching software to merge and crop to 65° or 40°.



COMPOSITING

Virtual camera views were then created in 3D modelling software, and a combination of 3D contour data and 3D engineering drawings turned on in each of these views. These were then matched to the corresponding photographic panorama, using identifiable features in the landscape and the characteristics of the camera to match the two together. The visualisations were then assembled using graphic design software.

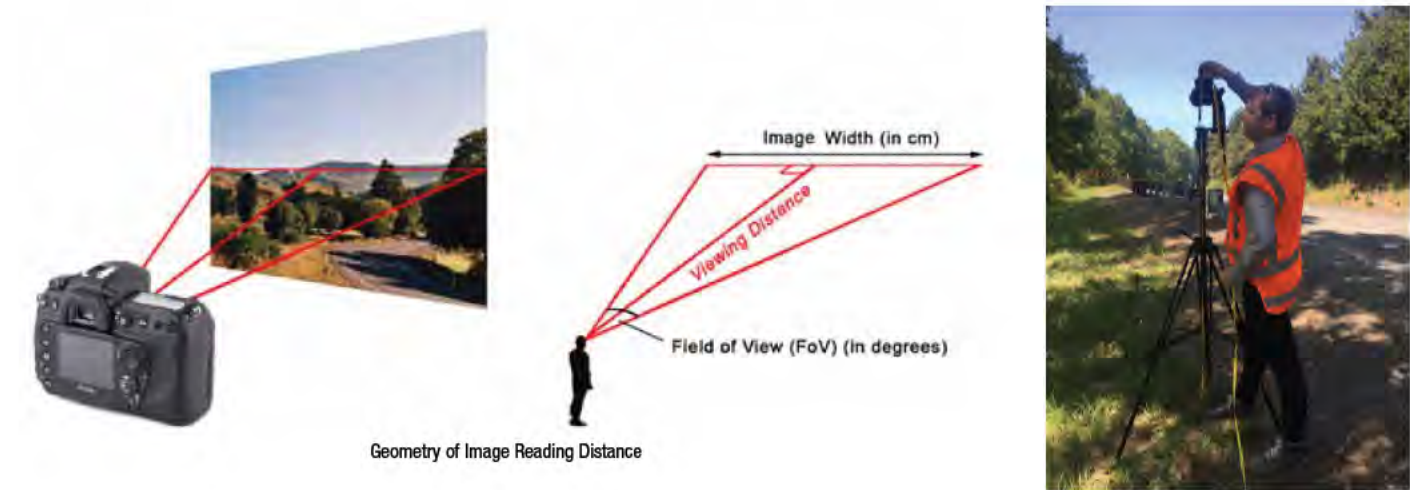
RECOMMENDED IMAGE READING DISTANCE

Views which have a field of view of 90° should be viewed from a distance of 20 cm when printed at A3
Views which have a field of view of 65° should be viewed from a distance of 31.5cm when printed at A3
Views which have a field of view of 40° should be viewed from a distance of 55 cm when printed at A3

For convenience, Boffa Miskell has adopted image reading distances of 20cm, 30cm and 50cm.

This will ensure that each simulation is viewed as if standing on-site at the actual camera location, and is in accordance with Section 7.11 of the NZILA BPG (reproduced below). Users are encouraged to print these pages on A3 transparency, go to the viewpoint and hold at the specified reading distance in order to verify the methodology.

LENS	HORIZ FoV ¹	PAPER SIZE	ACTUAL IMAGE SIZE ²	READING DISTANCE ³
28mm	65°	A4	277mm W x 185mm H	215mm
		A3	400mm W x 267mm H	315mm
		A2	574mm W x 383mm H	450mm
50mm	40°	A4	277mm W x 185mm H	380mm
		A3	400mm W x 267mm H	550mm
		A2	574mm W x 383mm H	790mm



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.

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