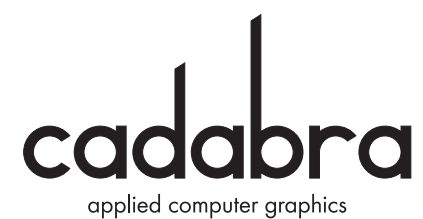


147 - 153 Edgewater Drive - Ambridge Rose Apartments

Pakuranga, Auckland

VISUAL IMPACT PHOTO-SIMULATIONS - REVISION A

SEPTEMBER 2025





NOT TO SCALE

VIEWPOINT 1 - 161 EDGEWATER DRIVE

NORTHING	795121.318 mN
EASTING	410282.713 mE
HEIGHT	3.27 m

VIEWPOINT 2 - 141 EDGEWATER DRIVE

NORTHING	794948.248 mN
EASTING	410170.891 mE
HEIGHT	5.897 m

VIEWPOINT 3 - RAEWYN PLACE ESPLANADE RESERVE

NORTHING	794800.582 mN
EASTING	410177.010 mE
HEIGHT	8.875 m

VIEWPOINT 4 - 38 FREMANTLE PLACE

NORTHING	794937.329 mN
EASTING	410468.915 mE
HEIGHT	6.196 m

SURVEYED DATA COLLECTED BY:
CIVIX LTD

HORIZONTAL DATUM: New Zealand Geodetic Datum 2000
(NZGD 2000)
Mount Eden 2000 Circuit (ME2000)

VERTICAL DATUM: Auckland Vertical Datum 1946 (AVD-1946)

VIEWPOINT LOCATION MAP

147 - 153 EDGEWATER DRIVE, PAKURANGA

VISUAL IMPACT PHOTO SIMULATIONS



VIEWPOINT 01 | 161 EDGEWATER DRIVE - EXISTING - SINGLE SHOT

147 - 153 EDGEWATER DRIVE, PAKURANGA

Taken with Nikon D750 50mm lens
 Total vertical field of view: 27.0 deg
 Total horizontal field of view: 39.6 deg
 Horizontal dimension of image when printed at A3 : 320 mm
 Optimal viewing distance when printed at A3 approximately: 450 mm

VISUAL IMPACT PHOTO SIMULATIONS



VIEWPOINT 01 | 161 EDGEWATER DRIVE - PHOTO SIMULATION - SINGLE SHOT

147 - 153 EDGEWATER DRIVE, PAKURANGA

Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 39.6 deg
Horizontal dimension of image when printed at A3 : 320 mm
Optimal viewing distance when printed at A3 approximately: 450 mm



VIEWPOINT 01 | 161 EDGEWATER DRIVE - EXISTING - PANORAMA

147 - 153 EDGEWATER DRIVE, PAKURANGA

Cylindrically stitched panorama comprised of 4 individual photos
Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 100.0 deg
Horizontal dimension of image when printed at A3 : 400 mm
Optimal viewing distance when printed at A3 approximately: 170 mm



VIEWPOINT 01 | 161 EDGEWATER DRIVE - PHOTO SIMULATION - PANORAMA

147 - 153 EDGEWATER DRIVE, PAKURANGA

Cylindrically stitched panorama comprised of 4 individual photos
 Taken with Nikon D750 50mm lens
 Total vertical field of view: 27.0 deg
 Total horizontal field of view: 100.0 deg
 Horizontal dimension of image when printed at A3 : 400 mm
 Optimal viewing distance when printed at A3 approximately: 170 mm

VISUAL IMPACT PHOTO SIMULATIONS



VIEWPOINT 02 | 141 EDGEWATER DRIVE - EXISTING - SINGLE SHOT

147 - 153 EDGEWATER DRIVE, PAKURANGA

Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 39.6 deg
Horizontal dimension of image when printed at A3 : 320 mm
Optimal viewing distance when printed at A3 approximately: 450 mm



VIEWPOINT 02 | 141 EDGEWATER DRIVE - PHOTO SIMULATION - SINGLE SHOT

147 - 153 EDGEWATER DRIVE, PAKURANGA

Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 39.6 deg
Horizontal dimension of image when printed at A3 : 320 mm
Optimal viewing distance when printed at A3 approximately: 450 mm



VIEWPOINT 02 | 141 EDGEWATER DRIVE - EXISTING - PANORAMA

147 - 153 EDGEWATER DRIVE, PAKURANGA

Cylindrically stitched panorama comprised of 4 individual photos
Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 100.0 deg
Horizontal dimension of image when printed at A3 : 400 mm
Optimal viewing distance when printed at A3 approximately: 170 mm



VIEWPOINT 02 | 141 EDGEWATER DRIVE - PHOTO SIMULATION - PANORAMA

147 - 153 EDGEWATER DRIVE, PAKURANGA

Cylindrically stitched panorama comprised of 4 individual photos
Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 100.0 deg
Horizontal dimension of image when printed at A3 : 400 mm
Optimal viewing distance when printed at A3 approximately: 170 mm



VIEWPOINT 03 | RAEWYN PLACE ESPLANADE RESERVE - EXISTING - SINGLE SHOT

147 - 153 EDGEWATER DRIVE, PAKURANGA

Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 39.6 deg
Horizontal dimension of image when printed at A3 : 320 mm
Optimal viewing distance when printed at A3 approximately: 450 mm



VIEWPOINT 03 | RAEWYN PLACE ESPLANADE RESERVE - PHOTO SIMULATION - SINGLE SHOT

147 - 153 EDGEWATER DRIVE, PAKURANGA

cadabra
applied computer graphics

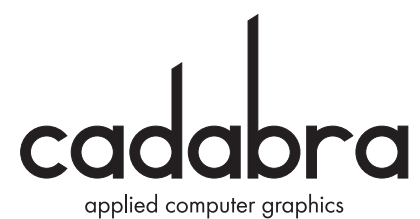
Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 39.6 deg
Horizontal dimension of image when printed at A3 : 320 mm
Optimal viewing distance when printed at A3 approximately: 450 mm

VISUAL IMPACT PHOTO SIMULATIONS



VIEWPOINT 03 | RAEWYN PLACE ESPLANADE RESERVE - EXISTING - PANORAMA

147 - 153 EDGEWATER DRIVE, PAKURANGA



Cylindrically stitched panorama comprised of 4 individual photos
Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 96.0 deg
Horizontal dimension of image when printed at A3 : 400 mm
Optimal viewing distance when printed at A3 approximately: 180 mm

VISUAL IMPACT PHOTO SIMULATIONS



VIEWPOINT 03 | RAEWYN PLACE ESPLANADE RESERVE - PHOTO SIMULATION - PANORAMA

147 - 153 EDGEWATER DRIVE, PAKURANGA

cadabra
applied computer graphics

Cylindrically stitched panorama comprised of 4 individual photos
Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 96.0 deg
Horizontal dimension of image when printed at A3 : 400 mm
Optimal viewing distance when printed at A3 approximately: 180 mm

VISUAL IMPACT PHOTO SIMULATIONS



VIEWPOINT 04 | 38 FREMANTLE PLACE - EXISTING - SINGLE SHOT

147 - 153 EDGEWATER DRIVE, PAKURANGA

Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 39.6 deg
Horizontal dimension of image when printed at A3 : 320 mm
Optimal viewing distance when printed at A3 approximately: 450 mm



VIEWPOINT 04 | 38 FREMANTLE PLACE - PHOTO SIMULATION - SINGLE SHOT

147 - 153 EDGEWATER DRIVE, PAKURANGA

Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 39.6 deg
Horizontal dimension of image when printed at A3 : 320 mm
Optimal viewing distance when printed at A3 approximately: 450 mm



VIEWPOINT 04 | 38 FREMANTLE PLACE - EXISTING - PANORAMA

147 - 153 EDGEWATER DRIVE, PAKURANGA

Cylindrically stitched panorama comprised of 4 individual photos
Taken with Nikon D750 50mm lens
Total vertical field of view: 27.0 deg
Total horizontal field of view: 117.0 deg
Horizontal dimension of image when printed at A3 : 400 mm
Optimal viewing distance when printed at A3 approximately: 120 mm

VISUAL IMPACT PHOTO SIMULATIONS



VIEWPOINT 04 | 38 FREMANTLE PLACE - PHOTO SIMULATION - PANORAMA

147 - 153 EDGEWATER DRIVE, PAKURANGA

27th September 2025

PROJECT: 147 - 153 EDGEWATER DRIVE - PAKURANGA, AUCKLAND

The following describes the methodology used in creating the photo montage visual material for The Ambridge Rose Retirement Apartments at 147 - 153 Edgewater Drive in Pakuranga, Auckland carried out by Cadabra Applied Computer Graphics International Ltd.

3D digital model preparation

Cadabra received design information including 3D architectural models, landscaping and topographical drawings from Peddlethorp Architects Ltd. Viewpoint locations were received from LA4 Ltd. - An updated 3d digital design model was supplied by Peddlethorp on September 26th, 2025 and this set was updated to include this new model.

Data from Auckland City Council GIS was downloaded including aerial maps, site data and contours to build a digital model of the existing site. The 3D models were then imported and double checked for location and height accuracy from data provided by the architects. A LIDAR model of the area was also downloaded to aid in the alignment of photographs with existing site elements

A physically accurate sun system was applied to the model to ensure lighting conditions matched the photos taken. Lat/Long coordinates, time of day, date and GMT time zones were included to create accurate visual sunlight.

Site photography and data collection

The camera used was a Nikon D750 Full frame DSLR with a 50mm fixed lens on a tripod at a predetermined vertical height of 1.70 m above ground level. Once photos were taken the spot under the tripod was marked by spray paint and labelled for survey coordinates to be calculated by a registered surveyor.

Survey data was collected by Civix Ltd and sent to Cadabra to accurately position CG cameras within the digital model.

3D model alignment and rendering

Digital cameras were then set up within the 3D model to match points located by surveyor and photos used as image planes behind the digital model. Cameras were rotated and positioned into place using all the data collected to ensure proper alignment. Once satisfied all views were rendered out at the same resolution as photos and montaged together within Photoshop. Any foreground elements were clipped and placed in front of digital model for added realism to final presentation.

Once individual photos were montaged the views were then stitched together in Photoshop using a cylindrical panorama technique. These are developed from the individual photo montages after rendering as performing the panoramic stitching beforehand creates distortion which detracts from the accuracy of the final simulation.

METHODOLOGY

147 - 153 EDGEWATER DRIVE, PAKURANGA

VISUAL IMPACT PHOTO SIMULATIONS