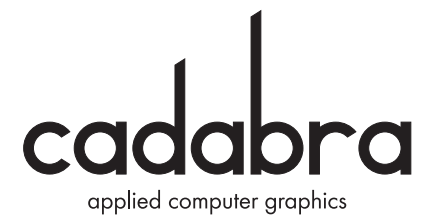


395 FITZGERALD ROAD

Drury, Auckland

VISUAL IMPACT PHOTO-SIMULATIONS

AUGUST 2025





NOT TO SCALE

VIEWPOINT LOCATION MAP

395 FITZGERALD ROAD, DRURY

VIEWPOINT 1 - 359 FITZGERALD ROAD

NORTHING	773683.143 mN
EASTING	417965.456 mE
HEIGHT	18.785 m

VIEWPOINT 2 - 380 FITZGERALD ROAD

NORTHING	773612.660 mN
EASTING	418076.227 mE
HEIGHT	18.022 m

SURVEYED DATA COLLECTED BY:
CIVIX LTD

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

VERTICAL DATUM: New Zealand Vertical Datum 2016
(NZVD-2016)

VISUAL IMPACT PHOTO SIMULATIONS



VIEWPOINT 01 | 359 FITZGERALD ROAD - EXISTING - SINGLE SHOT

395 FITZGERALD ROAD, DRURY

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 | 359 FITZGERALD ROAD - PHOTO SIMULATION - WITH PLANTING - SINGLE SHOT

395 FITZGERALD ROAD, DRURY

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 | 359 FITZGERALD ROAD - PHOTO SIMULATION - WITHOUT PLANTING - SINGLE SHOT

395 FITZGERALD ROAD, DRURY

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 | 359 FITZGERALD ROAD - EXISTING - PANORAMA

395 FITZGERALD ROAD, DRURY

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 approximately: 93.0 deg
Horizontal dimension of image when printed at A3 : 400 mm
Optimal viewing distance when printed at A3 approximately: 190 mm



VIEWPOINT 01 | 359 FITZGERALD ROAD - PHOTO SIMULATION - WITH PLANTING - PANORAMA

395 FITZGERALD ROAD, DRURY

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 approximately: 93.0 deg
Horizontal dimension of image when printed at A3 : 400 mm
Optimal viewing distance when printed at A3 approximately: 190 mm



VIEWPOINT 01 | 359 FITZGERALD ROAD - PHOTO SIMULATION - WITHOUT PLANTING - PANORAMA

395 FITZGERALD ROAD, DRURY

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 approximately: 93.0 deg
Horizontal dimension of image when printed at A3 : 400 mm
Optimal viewing distance when printed at A3 approximately: 190 mm



VIEWPOINT 02 | 380 FITZGERALD ROAD - EXISTING - SINGLE SHOT

395 FITZGERALD ROAD, DRURY

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 | 380 FITZGERALD ROAD - PHOTO SIMULATION - WITH PLANTING - SINGLE SHOT

395 FITZGERALD ROAD, DRURY

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 02 | 380 FITZGERALD ROAD - PHOTO SIMULATION - WITHOUT PLANTING - SINGLE SHOT

395 FITZGERALD ROAD, DRURY

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 | 380 FITZGERALD ROAD - EXISTING - PANORAMA

395 FITZGERALD ROAD, DRURY

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 approximately: 94.0 deg
Horizontal dimension of image when printed at A3 : 400 mm
Optimal viewing distance when printed at A3 approximately: 190 mm



VIEWPOINT 02 | 380 FITZGERALD ROAD - PHOTO SIMULATION - WITH PLANTING - PANORAMA

395 FITZGERALD ROAD, DRURY

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 approximately: 94.0 deg
Horizontal dimension of image when printed at A3 : 400 mm
Optimal viewing distance when printed at A3 approximately: 190 mm

VISUAL IMPACT PHOTO SIMULATIONS



VIEWPOINT 02 | 380 FITZGERALD ROAD - PHOTO SIMULATION - WITHOUT PLANTING - PANORAMA

395 FITZGERALD ROAD, DRURY

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 approximately: 94.0 deg
Horizontal dimension of image when printed at A3 : 400 mm
Optimal viewing distance when printed at A3 approximately: 190 mm

PROJECT: 395 Fitzgerald Road, Drury, Auckland

The following outlines the methodology used by Cadabra Applied Computer Graphics International Ltd in preparing photo montage visual simulations for the above development. Methods are consistent with the NZILA Best Practice Guide, Visual Simulations BPG 10.2.

1. 3D Digital Model Preparation

- Architectural and topographical data was provided by Saddleback Ltd, with landscaping details and viewpoint directions from LA4 Ltd.
- Data from the Auckland Council GeoMaps Portal (aerial maps, site data, contours) was used to build a 3D model of the existing site.
- The 3D design models were imported and checked for location and height accuracy against designer data.
- A LIDAR model of the area was also imported to assist with accurate alignment of photographs to site elements.

2. Site Photography and Data Collection

- Photography was undertaken using a Nikon D750 full-frame DSLR with a 50mm fixed lens on a tripod set at 1.70m above ground level.
- Tripod positions were marked on site with spray paint and labelled for survey coordinates, later calculated by a registered surveyor.
- From each viewpoint, single images and panoramic images were captured, providing both practical on-site use and contextual perspectives.
- Survey data was collected by Civix Ltd and used by Cadabra to accurately align CG cameras within the digital model.

3. 3D Model Alignment and Rendering

- Digital cameras were positioned in the 3D model using survey data, aligned to match the captured photographs.
- Photos were used as image planes behind the digital model to guide alignment.
- Once alignment was confirmed, all views were rendered at the same resolution as the photographs.
- Foreground elements were clipped and placed in front of the digital model within Photoshop to achieve realism.

4. Montage and Panoramic Stitches

- Rendered views were montaged with the photographs in Photoshop.
- Panoramic images were stitched using a cylindrical panorama technique, applied after individual montage creation to avoid distortion and preserve accuracy.

METHODOLOGY