

Appendix A

Graphic Attachments

Installation of Substation
Whangapouri Road, Karaka, Auckland
Counties Energy

DOCUMENT CONTROL

Outline	Details	Date	Commentary
Produced by	Tim Walton	5/10/21	Landscape Architect (Align)
Reviewed by	Kim Goodfellow & Angela Brown	18/10/21	Registered Landscape Architects
Produced for	Counties Energy		Approval (Client)
Document	Revision	Ref	Project
Graphic Attachments	1.0	COUNT046	Installation of Substation Whangapouri Road, Karaka, Counties Energy

Disclaimer:

This report has been prepared for the client according to their instructions. The information contained in this report should not be used by anyone else, or for any other purposes. Some of the information presented in this report is based on information supplied by the client. Align Limited does not guarantee the accuracy of any such information. Any advice contained in this report is subject to this limitation.

NOTES:

1. Photos taken on 13/07/2021 by Tim Walton (Landscape Architect).
2. Photos taken from public locations only
3. Photography on site was undertaken using a Canon EOS 3000D digital camera with an 18-55mm focal lens. Panormas have been taken from multiple locations to provide a wider view of the surrounding landscape and establish context for viewpoint images 1-5.
4. The 3D model applied to photo montage images on pages 9 -21 illustrate the height of the substation, and the height and bulk of the switchroom, at scale with dimensions provided by Counties Energy in Section 4 of the LVIA report. Internal substation design has not been confirmed at Notice of Requirement stage as site specific design has not been prepared, therefore the 3D model illustrates the bulk envelope of the substation for visual assessment purposes only. Views of the 3D model have been rendered for photorealism and presented to scale according to NZILA Best Practice Guide with view location, view angle and distance identified for each image.
5. The connection method to existing electrical infrastructure within State Highway 22 road corridor can not be confirmed by Counties Energy at Notice of Requirement stage, and is therefore not included in the model to maintain accuracy.
6. The photomontage images on pages 9-21 illustrate planting at the following sizes:
After (0-5 Years):
 - Alectryon excelsa - Titoki tree (PB45 Litre), approximate height: 3 metres
 - Phormium tenax - Harakeke flax (PB2.5 Litre) approximate height 2 metres
After (10 Years):
 - Alectryon excelsa - Titoki tree, approximate height: 6-8 metres
 - Phormium tenax - Harakeke flax (PB2.5 Litre) approximate height 3 metres



KEY

	Site Photo location
	Photomontage location
	Site is not visible from this location

SCALE 1:5000

FIGURE 1: Whangapouri Road Substation Site Photo Locations



PH01: Panoramic Photo taken on the north boundary looking south across the site toward SH22



PH02: Panormaic photo taken from the opposite side of Whangpouri Road on the corner of the intersection with SH22 and Bycoft Road.

FIGURE 2: Site context Site Photos



PH03: Looking north -east at the site from the western corner of the intersection of Whangapouri Road, SH22 and Bycroft Road..



PH04: Looking north-west at the site from the opposite side of SH22.



PH05: Panoramic photo taken 100m east of the site on SH22 looking west towards the site.



PH06: Panoramic photo taken north of the site on Whangapouri Road, looking south-east towards the Buddhist temple and established hedgeline on the northern boundary of the site.



PH07 Single Frame taken south of the site on Bycroft Road, Looking north towards the SH22 intersection.



PH08: Looking south-east towards the site from an area of new residential development on Karaka School Lane.



PH09: Looking east/south-east towards the site from SH22 approximately 500m east of the site.



Viewpoint 1

Prepared by: Align Ltd
For: Counties Energy

37° 7'27.24"S
174°54'41.39"E
Elevation: 35amsl

Representative Viewing Angle: 75 Degrees
Camera Focal length: 34mm
Camera height: 1.7m

Original taken: 13/07/2021 11:45am
Taken by: Tim Walton
Camera: Canon EOS 3000D

Recommended viewing distance: 380mm
Printed page: A3
Printed size: 394mm x 120mm



Viewpoint 1 - After (0-5 years)

Prepared by: Align Ltd
For: Counties Energy

37° 7'27.24"S
174°54'41.39"E
Elevation: 35amsl

Representative Viewing Angle: 75 Degrees
Camera Focal length: 34mm
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Viewpoint 1 - After (5-10 years)

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Viewpoint 2 - Before

Prepared by: Align Ltd
For: Counties Energy

37° 7'5.29"S
174°54'36.25"E
Elevation: 22amsl

Representative Viewing Angle: 40 Degrees
Camera Focal length: 55mm
Camera height: 1.7m

Original taken: 13/07/2021 12.22pm
Taken by: Tim Walton
Camera: Canon EOS 3000D

Recommended viewing distance: 380mm
Printed page: A3
Printed size: 340mm x 226mm



Viewpoint 2 - After (5-10 years)

Prepared by: Align Ltd
For: Counties Energy

37° 7'5.29"S
174°54'36.25"E
Elevation: 22amsl

Representative Viewing Angle: 40 Degrees
Camera Focal length: 55mm
Camera height: 1.7m

Original taken: 13/07/2021 12.22pm
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Camera: Canon EOS 3000D

Recommended viewing distance: 380mm
Printed page: A3
Printed size: 340mm x 226mm



Viewpoint 3 - Before

Prepared by: Align Ltd
For: Counties Energy

37° 7'29.01"S
174°54'25.83"E
Elevation: 35amsl

Representative Viewing Angle: 40 Degrees
Camera Focal length: 55mm
Camera height: 1.7m

Original taken: 13/07/2021 12.54pm
Taken by: Tim Walton
Camera: Canon EOS 3000D

Recommended viewing distance: 380mm
Printed page: A3
Printed size: 340mm x 226mm



Viewpoint 3 - After (0-5 years)

Prepared by: Align Ltd
For: Counties Energy

37° 7'29.01"S
174°54'25.83"E
Elevation: 35amsl

Representative Viewing Angle: 40 Degrees
Camera Focal length: 55mm
Camera height: 1.7m

Original taken: 13/07/2021 12.54pm
Taken by: Tim Walton
Camera: Canon EOS 3000D

Recommended viewing distance: 380mm
Printed page: A3
Printed size: 340mm x 226mm



Viewpoint 3 - After (5-10 years)

Prepared by: Align Ltd
For: Counties Energy

37° 7'29.01"S
174°54'25.83"E
Elevation: 33amsl

Representative Viewing Angle: 40 Degrees
Camera Focal length: 55mm
Camera height: 1.7m

Original taken: 13/07/2021 12.54pm
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Camera: Canon EOS 3000D

Recommended viewing distance: 380mm
Printed page: A3
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Viewpoint 4 - Before

Prepared by: Align Ltd
For: Counties Energy

37° 7'28.72"S
174°54'19.48"E
Elevation: 35amsl

Representative Viewing Angle: 75 Degrees
Camera Focal length: 34mm
Camera height: 1.7m

Original taken: 13/07/2021 12.59pm
Taken by: Tim Walton
Camera: Canon EOS 3000D

Recommended viewing distance: 380mm
Printed page: A3
Printed size: 393mm x 190mm



Viewpoint 4 - After (0-5 years)

Prepared by: Align Ltd
For: Counties Energy

37° 7'28.72"S
174°54'19.48"E
Elevation: 35amsl

Representative Viewing Angle: 75 Degrees
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Viewpoint 4 - After (5-10 years)

Prepared by: Align Ltd
For: Counties Energy

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Elevation: 35amsl
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Camera height: 1.7m

Original taken: 13/07/2021 12.59pm
Taken by: Tim Walton
Camera: Canon EOS 3000D
Recommended viewing distance: 380mm
Printed page: A3
Printed size: 393mm x 190mm



Viewpoint 5 - Before

Prepared by: Align Ltd
For: Counties Energy

37° 7'25.53"S
174°54'41.59"E
Elevation: 33amsl

Representative Viewing Angle: 65 Degrees
Camera Focal length: 34mm
Camera height: 1.7m

Original taken: 13/07/2021 12.01pm
Taken by: Tim Walton
Camera: Canon EOS 3000D

Recommended viewing distance: 350mm
Printed page: A3
Printed size: 394mm x 132mm



Viewpoint 5 - After (0-5 years)

Prepared by: Align Ltd
For: Counties Energy

37° 7'25.53"S
174°54'41.59"E
Elevation: 33amsl

Representative Viewing Angle: 65 Degrees
Camera Focal length: 34mm
Camera height: 1.7m

Original taken: 13/07/2021 12.01pm
Taken by: Tim Walton
Camera: Canon EOS 3000D

Recommended viewing distance: 350mm
Printed page: A3
Printed size: 394mm x 132mm



Viewpoint 5 - After (5-10 years)

Prepared by: Align Ltd
For: Counties Energy

37° 7'25.53"S
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Camera height: 1.7m

Original taken: 13/07/2021 12.01pm
Taken by: Tim Walton
Camera: Canon EOS 3000D

Recommended viewing distance: 350mm
Printed page: A3
Printed size: 394mm x 132mm