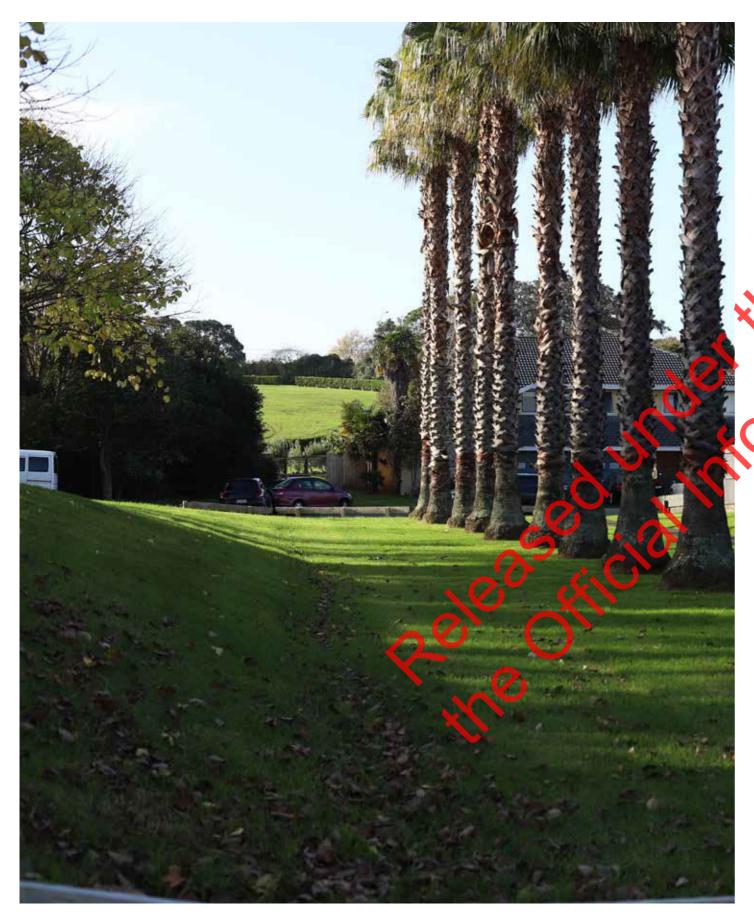
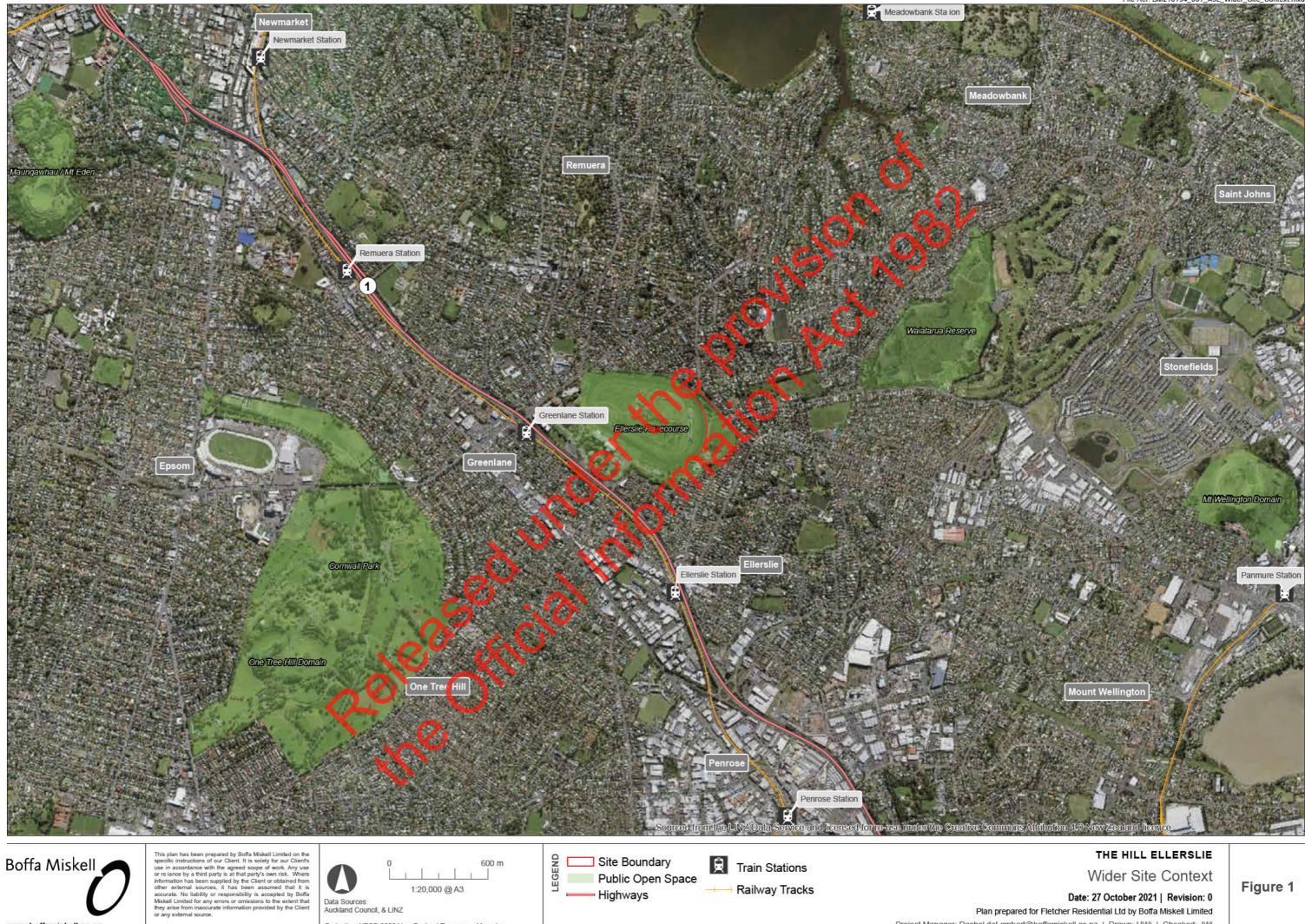


The Hill, Ellerslie



S Wider Site Context Site Context Auckland Unitary Plan Contents MAPS FIGURE 1: FIGURE 2: FIGURE 3: VISUAL SIMULATIONS FIGURE 4: Viewpoint Locations **VS 1A:** View from Ladies Mile looking South - Panoramas (Existing & Proposed View) VS 1B View from Ladies Mile looking South - Single 50mm Frame (Existing View) VS View from Ladies Mile looking South - Single 50mm Frame (Proposed View) V**S** 2A: View from Abbots Way looking South-West - Panoramas (Existing & Proposed View) VS 2B: View from Abbots Way looking South-West - Single 50mm Frame (Existing View) VS 2C: View from Abbots Way looking South-West - Single 50mm Frame (Proposed View) VS 3A: View from Umere Crescent looking North-West - Panorama (Existing & Proposed View) VS 3B: View from Umere Crescent looking North-West - Single 50mm Frame (Existing View) VS 3C: View from Umere Crescent looking North-West - Single 50mm Frame (Proposed View) VS 4A: View from Derby Downs Place looking North-West - Panorama (Existing & Proposed View) VS 4B: View from Derby Downs Place looking North-West - Single 50mm Frame (Existing View) VS 4C: View from Derby Downs Place looking North-West - Single 50mm Frame (Proposed View) VP 5: View from Liston Park looking South-West - Single 50mm Frame (Existing View) VP 6: View from Derby Downs looking North-East - Panorama (Existing View) VP 7: View from Lonsdale Street looking North-East - Single 50mm Frame (Existing View) VP 8: View from Somerfield Street looking North-East - Single 50mm Frame (Existing View) VP 9: View from Ladies Mile looking North-East - Single 50mm Frame (Existing View)

FIGURE 5: Methodology - Visual Simulations



Projection: NZGD 2000 New Zealand Transverse Mercator

www.boffamiskell.co.nz

Date: 27 October 2021 | Revision: 0 Plan prepared for Fletcher Residential Ltd by Boffa Miskell Limited Project Manager: Rachel.deLambert@boffamiskell.co.nz | Drawn: HWi | Checked: JWi



Site Boundary Public Open Sp

Highways

Public Open Space

R Train Stations

Railway Tracks

Boffa Miskell www.boffamiskell.co.nz

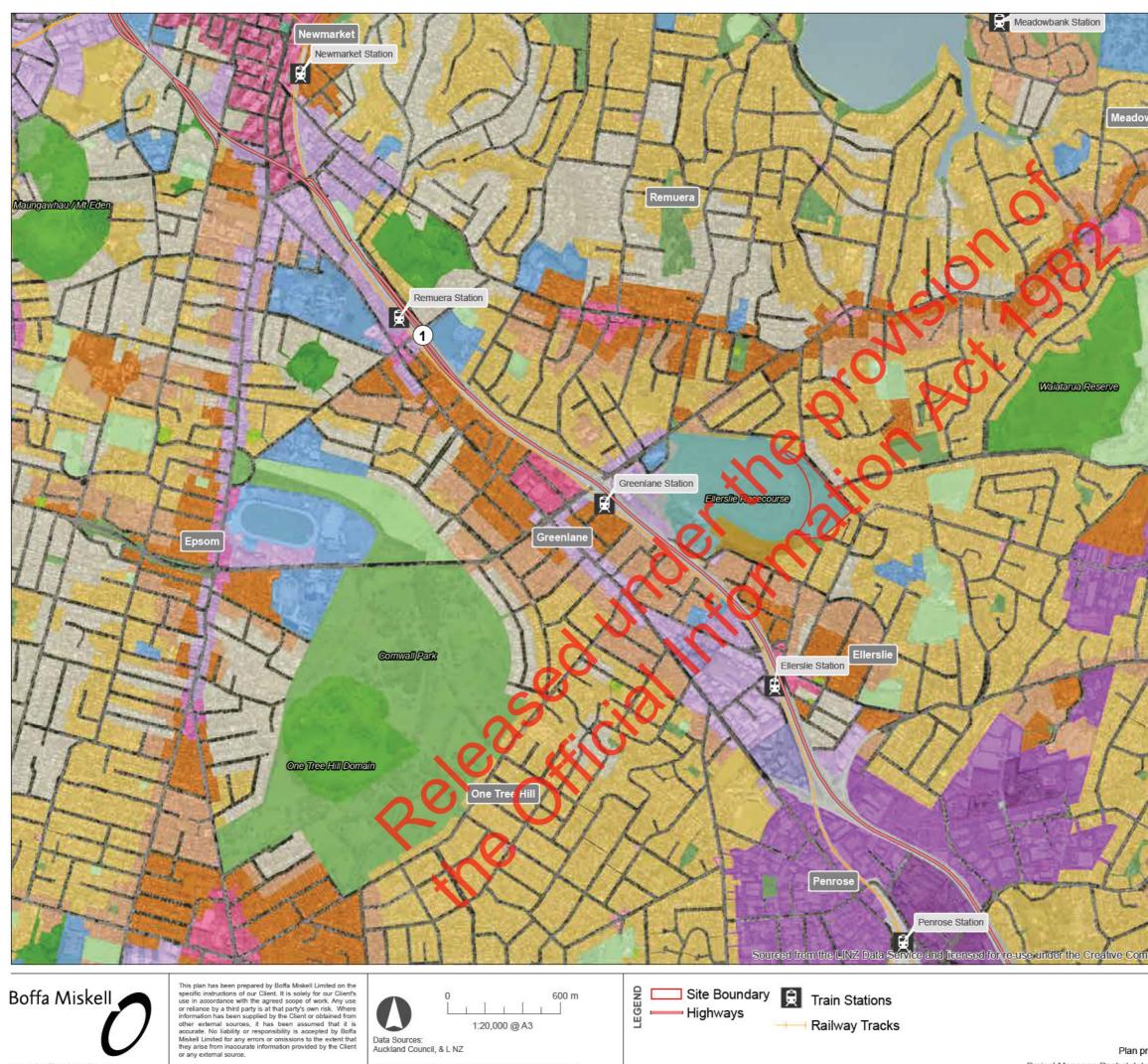
This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or re iance by a third party is at that party's own risk. Where information has been supplied by the Client or obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility is accepted by Boffa Miskell Limited for any errors or omissions to the extent that they arise from inaccurate information provided by the Client or any external source.

200 m 0 1:7,500 @ A3 Data Sources: Auckland Council, & LINZ

Projection: NZGD 2000 New Zealand Transverse Mercator

THE HILL ELLERSLIE

Site Context Date: 27 October 2021 | Revision: 0 Plan prepared for Fletcher Residential Ltd by Boffa Miskell Limited Project Manager: Rachel.deLambert@boffamiskell.co.nz | Drawn: HWi | Checked: JWi



Projection: NZGD 2000 New Zealand Transverse Mercator

File Ref: BM210194_003_A3L_Auckland Unitary Plan .mxd

Stonefields

Auckland Unitary Plan Zoning

Single House Residential Mixed Housing Suburban Mixed Housing Urban Terrace Housing & Apartments Conservation Informal Recreation Sport & Active Recreation Open Space - Civic Spaces Zone Open Space - Community Metropolitan Centre Zone Business - Town Centre Zone Local Centre Zone . Neighbourhood Centre Mixed Use Zone General Business Zone Business Park Zone Heavy Industry Zone Light Industry Zone Strategic Transport Corridor Special Purpose School Zone (16m) General Coastal Marine **Coastal Transition Zone** Water

ative Commons Attribution 4.9 New Zealane licence

THE HILL ELLERSLIE

Auckland Unitary Plan

Date: 27 October 2021 | Revision: 0 Plan prepared for Fletcher Residential Ltd by Boffa Miskell Limited Project Manager: Rachel.deLambert@boffamiskell.co.nz | Drawn: HWi | Checked: JWi





This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client or obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility is accepted by Boffa Miskell Limited for any errors or omissions to the extent that they arise from inaccurate information provided by the Client or any external source.



Data Sources: Eagle Technology, Land Information New Zealand, GEBCO, Community maps contributors

Projection: NZGD 2000 New Zealand Transverse Mercator

Viewpoint Visual Simulation

LEGEND

200 m

Site Boundary

THE HILL ELLERSLIE

Viewpoint Locations

Date: 04 November 2021 | Revision: 1 Plan prepared by Boffa Miskell Limited Project Manager: Rachel.deLambert@boffamiskell.co.nz | Drawn: HCo | Checked: JMa





This plan has been prepared by Boffa Miskell Limited on This plan has been prepared by both winked united on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client from other external sources, it has been sumed that it is accurate. No liability or responsibility ccepted by Boffa Miskell Limited for any errors or sions to the extent that they arise from inaccurate information provided by the Client or any external source.

: 1761229 mE NZTM Easting NZTM Northing : 5916211 mN Elevation/Eye Height : 59.8m / 1.6m Date of Photography : 1 54pm 10 June 2021 NZST

Horizontal Field of View : 90° Vertical Field of View : 30° : Rectilinear Projection Image Reading Distance @ A3 is 20 cm

Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

Data Sources: BML - photography / RTK GNSS, AC, Brewer_Davidson: 2021-10-20_The Hill v5_3D Model.skp

Proposed View

THE HILL ELLERSLIE View from Ladies Mile looking South Date: 04 November 2021 Revision: 0







This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client btained from other external sources, it has been assumed that it is accurate. No liability or responsibility s accepted by Boffa Miskell Limited for any errors or missions to the extent that they arise from inaccurate information provided by the Client or any external source.

NZTM Easting : 1761229 mE NZTM Northing : 5916211 mN Elevation/Eye Height : 59.8m / 1.6m Date of Photography :1 54pm 10 June 2021 NZST

ŏ

Vie

Data Sources: BML - photography

Horizontal Field of View : 40° Vertical Field of View : 25° Projection : NA Image Reading Distance @ A3 is 50 cm

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

Existing View

THE HILL ELLERSLIE View from Ladies Mile looking South

VS 1B





This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client ined from other external sources, it has been ssumed that it is accurate. No liability or responsibility accepted by Boffa Miskell Limited for any errors or missions to the extent that they arise from inaccurate information provided by the Client or any external source.

NZTM Easting : 1761229 mE NZTM Northing : 5916211 mN Elevation/Eye Height : 59.8m / 1.6m Date of Photography :1 54pm 10 June 2021 NZST

ŏ

Vie

Horizontal Field of View : 40° Vertical Field of View : 25° Projection : NA Image Reading Distance @ A3 is 50 cm

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

Data Sources: BML - photography / RTK GNSS, AC, Brewer_Davidson: 2021-10-20_The Hill v5_3D Model.skp

Proposed View

THE HILL ELLERSLIE View from Ladies Mile looking South

VS 1C





This plan has been prepared by Boffa Miskell Limited on This plan has been prepared by Botta Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client ned from other external sources, it has been ssumed that it is accurate. No liability or responsibility accepted by Boffa Miskell Limited for any errors or missions to the extent that they arise from inaccurate information provided by the Client or any external source.

NZTM Easting : 1761454 mE NZTM Northing : 5915944 mN Elevation/Eye Height : 53.5m / 1.6m Date of Photography : 12:40pm 10 June 2021 NZST

Horizontal Field of View : 90° Vertical Field of View : 30° : Rectilinear Projection Image Reading Distance @ A3 is 20 cm

Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

Data Sources: BML - photography / RTK GNSS, AC, Brewer_Davidson: 2021-10-20_The Hill v5_3D Model.skp

Proposed View

THE HILL ELLERSLIE View from Abbots Way looking South-West Date: 04 November 2021 Revision: 0





This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client from other external sources, it has been sumed that it is accurate. No liability or responsibility ccepted by Boffa Miskell Limited for any errors or sions to the extent that they arise from inaccurate information provided by the Client or any external source.

NZTM Easting : 1761454 mE NZTM Northing : 5915944 mN Elevation/Eye Height : 53.5m / 1.6m Date of Photography : 12:40pm 10 June 2021 NZST

Data Sources: BML - photography

Vie

Horizontal Field of View : 40° Vertical Field of View : 25° Projection : NA Image Reading Distance @ A3 is 50 cm

Existing View

THE HILL ELLERSLIE View from Abbots Way looking South-West

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi VS 2B





This plan has been prepared by Boffa Miskell Limited or the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client ned from other external sources, it has been ssumed that it is accurate. No liability or responsibility cepted by Boffa Miskell Limited for any errors o sions to the extent that they arise from inaccurate information provided by the Client or any external source.

NZTM Easting : 1761454 mE NZTM Northing : 5915944 mN Elevation/Eye Height : 53.5m / 1.6m Date of Photography : 12:40pm 10 June 2021 NZST

ŏ

Vie

: 40° Horizontal Field of View Vertical Field of View : 25° Projection : NA Image Reading Distance @ A3 is 50 cm

THE HILL ELLERSLIE View from Abbots Way looking South-West

Data Sources: BML - photography / RTK GNSS, AC, Brewer_Davidson: 2021-10-20_The Hill v5_3D Model.skp

Proposed View

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

VS 2C





This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client or obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility ssumed that it is accurate. No liability or responsibility accepted by Boffa Miskell Limited for any errors or missions to the extent that they arise from inaccurate information provided by the Client or any external source.

NZTM Easting : 1761572 mE NZTM Northing : 5915732 mN Elevation/Eye Height : 49.1m / 1.6m Date of Photography : 10:56am 10 June 2021 NZST

Horizontal Field of View : 90° Vertical Field of View : 30° Projection : Rectilinear Image Reading Distance @ A3 is 20 cm

Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

Data Sources: BML - photography / RTK GNSS, AC, Brewer_Davidson: 2021-10-20_The Hill v5_3D Model.skp

Proposed View

THE HILL ELLERSLIE View from Umere Crescent looking North-West Date: 04 November 2021 Revision: 0







This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility s accepted by Boffa Miskell Limited for any errors or missions to the extent that they arise from inaccurate information provided by the Client or any external source.

NZTM Easting : 1761572 mE NZTM Northing : 5915732 mN Elevation/Eye Height :49.1m / 1.6m Date of Photography : 10:56am 10 June 2021 NZST

Data Sources: BML - photography

ŏ

Vie

Horizontal Field of View : 40° Vertical Field of View : 25° Projection : NA Image Reading Distance @ A3 is 50 cm

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

Existing View

THE HILL ELLERSLIE View from Umere Crescent looking North-West

VS 3B



This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client obtained from other external sources, it has been ssumed that it is accurate. No liability or responsibility accepted by Boffa Miskell Limited for any errors or missions to the extent that they arise from inaccurate information provided by the Client or any external source.

NZTM Easting : 1761572 mE NZTM Northing : 5915732 mN Elevation/Eye Height :49.1m / 1.6m Date of Photography : 10:56am 10 June 2021 NZST

ŏ

Vie

Horizontal Field of View : 40° Vertical Field of View : 25° Projection : NA Image Reading Distance @ A3 is 50 cm

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

Data Sources: BML - photography / RTK GNSS, AC, Brewer_Davidson: 2021-10-20_The Hill v5_3D Model.skp

Proposed View

THE HILL ELLERSLIE View from Umere Crescent looking North-West

VS 3C





This plan has been prepared by Boffa Miskell Limited or the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client rces, it has been other external sou med that it is accurate. No liability or responsibility Boffa Miskell Limited for any errors ons to the extent that they arise from inaccurate ided by the Client or any external source

: 1761455 mE NZTM Easting NZTM Northing 5915620 mN Elevation/Eye Height :41.6m / 1.6m Date of Photography : 1:45pm 2 November 2021 NZDT

Horizontal Field of View : 90° Vertical Field of View : 30° : Rectilinear Projection Image Reading Distance @ A3 is 20 cm

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

Data Sources: BML - photography / RTK GNSS, AC, Brewer_Davidson: 2021-10-20_The Hill v5_3D Model.skp

Proposed View

THE HILL ELLERSLIE View from Derby Downs Place looking North-West





This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client m other external sou rces, it has been sumed that it is accurate. No liability or responsibilit oted by Boffa Miskell Limited for any errors o ions to the extent that they arise from inaccurate information provided by the Client or any external source

NZTM Easting : 1761455 mE NZTM Northing : 5915620 mN Elevation/Eye Height :41.6m / 1.6m Date of Photography :1:45pm 2 November 2021 NZDT

Horizontal Field of View Vertical Field of View Projection Image Reading Distance @ A3 is 50 cm

: 40°

: 25°

: NA

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

Data Sources: BML - photography

Existing View

THE HILL ELLERSLIE View from Derby Downs Place looking North-West

VS 4B



Boffa Miskell

This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client or obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility is accepted by Boffa Miskell Limited for any errors or omissions to the extern that they arise from inaccurate information provided by the Client or any external source. NZTM Easting : 1761455 mE NZTM Northing : 5915620 mN Elevation/Eye Height :41.6m / 1.6m Date of Photography :1:45pm 2 November 2021 NZDT

 Horizontal Field of View
 : 40°

 Vertical Field of View
 : 25°

 Projection
 : NA

 T
 Image Reading Distance @ A3 is 50 cm

View from Derby Downs Place looking North-West

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

Data Sources: BML - photography / RTK GNSS, AC, Brewer_Davidson: 2021-10-20_The Hill v5_3D Model.skp

Proposed View

THE HILL ELLERSLIE

VS 4C



This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility s accepted by Boffa Miskell Limited for any errors or missions to the extent that they arise from inaccurate information provided by the Client or any external source.

Date of Photography : 2:38pm 10 June 2021 NZST

Horizontal Field of View : 40° Vertical Field of View : 25° Projection : NA Image Reading Distance @ A3 is 50 cm

View from Liston Park looking South-West

Data Sources: BML - photography

S

ŏ

Vie

Existing View

THE HILL ELLERSLIE

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

VP 5







This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client or obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility is accepted by Boffa Miskell Limited for any errors or omissions to the extent that they arise from inaccurate information provided by the Client or any external source.

Date of Photography : 3:43pm 10 June 2021 NZST

 Horizontal Field of View
 : 90°

 Vertical Field of View
 : 30°

 Projection
 : Rectilinear

 Image Reading Distance @ A3 is 20 cm

View from Derby Downs looking North-East

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

Data Sources: BML - photography

ŏ

Vie

Existing View

THE HILL ELLERSLIE

VP 6



This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client or obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility or obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility is accepted by Boffa Miskell Limited for any errors or omissions to the extent that they arise from inaccurate information provided by the Client or any external source.

Date of Photography : 3:16pm 10 June 2021 NZST

Data Sources: BML - photography

sil

ŏ

Vie

Horizontal Field of View : 40° Vertical Field of View : 25° Projection : NA Image Reading Distance @ A3 is 50 cm

Existing View

THE HILL ELLERSLIE View from Lonsdale Street looking North-East

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi





This plan has been prepared by Boffa Miskell Limited on Ins plan has been prepared by Botta Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client or obtained from other external sources, it has been excurred third is accurate. No lightly as mean-bibling assumed that it is accurate. No liability or responsibility is accepted by Boffa Miskell Limited for any errors or omissions to the extent that they arise from inaccurate information provided by the Client or any external source.

Date of Photography :4:12pm 10 June 2021 NZST S

Horizontal Field of View : 40° Vertical Field of View : 25° Projection : NA Image Reading Distance @ A3 is 50 cm

View from Somerfield Street looking North-East

Data Sources: BML - photography

Vie

Proposed View

THE HILL ELLERSLIE

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi VP 8



This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client obtained from other external sources, it has been ssumed that it is accurate. No liability or responsibility accepted by Boffa Miskell Limited for any errors or missions to the extent that they arise from inaccurate information provided by the Client or any external source.

Date of Photography : 4:41pm 10 June 2021 NZST

Horizontal Field of View : 40° Vertical Field of View : 25° Projection : NA Image Reading Distance @ A3 is 50 cm

View from Ladies Mile looking North-East

Data Sources: BML - photography

S

ŏ

Vie

Proposed View

THE HILL ELLERSLIE

Date: 04 November 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager: rachel.delambert@boffamiskell.co.nz | Drawn: RGo | Checked: JWi

VP 9

VISUAL SIMULATIONS - METHODOLOGY

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 A8 transparency, go to the viewpoint and hold at the specified reading distance in order to verify the methodology.





This plan has bee prepared by Boffa Miskell Limied o the specific instructions of our Client. It is solely for ou Client's use in accordance with the agreed scope of work e by a hird pary is at that partys ow Where information has been supplied by the Clien med hat it s accurate No liability or respo siblity the extent that they arise from ina ded by the Client or any external source

READING DISTANCE ³
215mm
315mm
450mm
380mm
550mm
790mm



THE HILL ELLERSLIE

Methodology

Date: 21 October 2021 Revision: 0 Plan prepared for Fletcher Residential Limited by Boffa Miskell Limited Project Manager rachel delambert@boffamiskell.co.nz | Drawn: JMy | Checked: JWi

Released under the provision Act, 1987 Released under the provision Act, 1987 the 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.

Wellington Auckland Hamilton Tauranga 09 358 2526 07 960 0006 07 571 5511 04 385 9315 03 366 8891

www.boffamiskell.co.nz

Christchurch

Queenstown 03 441 1670 Dunedin 03 470 0460