



Auckland
Regional Council
TE RAUHĪTANGA TAIAO

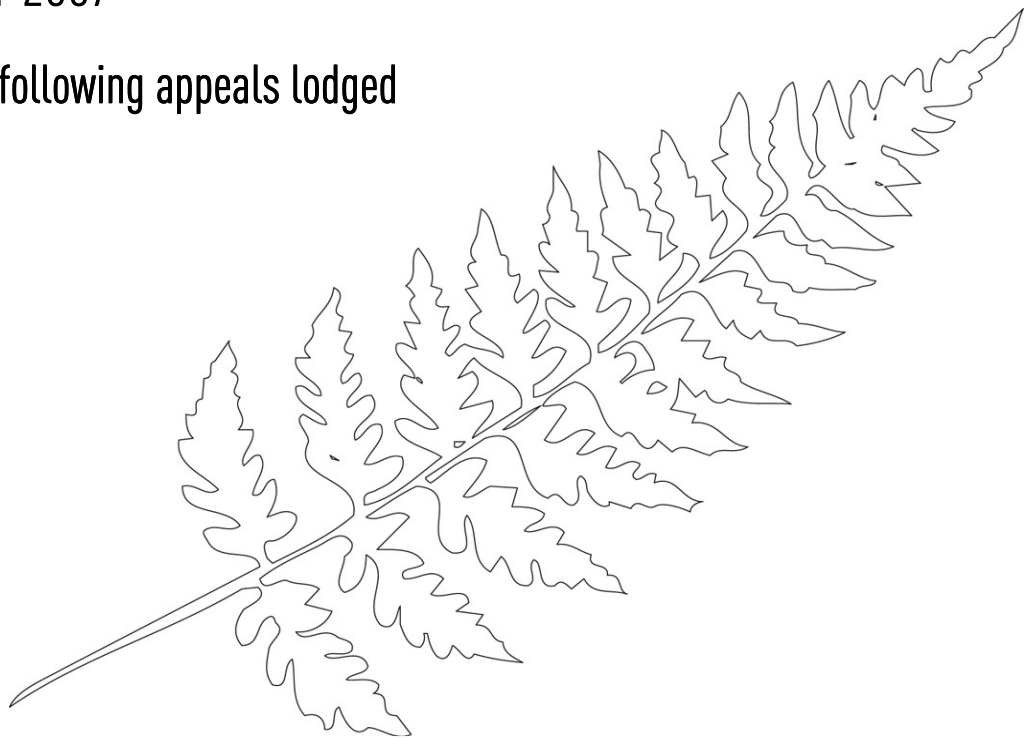
AUCKLAND REGIONAL POLICY STATEMENT

Proposed Change 8: Landscape and Volcanic Features

Decisions Version – Volcanic Features

October 2007

Notated following appeals lodged



PLEASE NOTE:

Change 8: Landscape and Volcanic Features, was publicly notified in September 2005. Following the hearing of submissions in mid 2007, the ARC determined to undertake a variation to the landscape component of Change 8. Therefore, decisions were only made in response to the submissions lodged on the volcanic features component of Change 8, with the landscape provisions remaining as notified and subject to variation.

For clarity, this Decisions Version only depicts the volcanic features provisions of Change 8. For a copy of the landscape provisions, please see the Combined Version of Change 8, dated March 2008.

The period for appeals to the volcanic features component has closed, with 5 appeals lodged. Where a provision is subject to appeal it is shown highlighted grey and brief details of the appeal are referenced with footnotes (for full details, a copy of the relevant appeal notice (available from the ARC) should be viewed).

Additions to the operative text are shown underlined and deletions shown as strikethrough.

Auckland Regional Policy Statement

CONTENTS

CHAPTERS	PAGES
1. Introduction	1 - 4
2. Regional Overview and Strategic Direction	2 - 11
3. Matters of Significance to Iwi	3 - 44
4. Transport	4 - 53
5. Energy	5 - 61
6. Heritage	6 - 69
7. Coastal Environment	7 - 89
8. Water Quality	8 - 111
9. Water Conservation and Allocation	9 - 133
10. Air Quality	10 - 146
11. Natural Hazards	11 - 159
12. Soil Conservation	12 - 166
13. Minerals	13 - 172
14. Pests	14 - 177
15. Waste	15 - 181
16. Hazardous Substances	16 - 188
17. Contaminated Sites	17 - 195
18. Esplanade Reserves and Strips	18 - 199
 APPENDICES	
A. Planning Processes	A - 1
B. Significant Natural Heritage Areas and Values	B - 1
C. Legislation Dealing with Resource Management	C - 1
D. Definitions and Abbreviations	D - 1
E. The Treaty of Waitangi	E - 1
F. Auckland Regional Landscape Assessment	F - 1
G. Local Government (Auckland) Amendment Act 2004	G - 1
H. Minimum Household and Employment Densities Required in High Density Centres and Corridors to Support the Public Transport System	H - 1
I. <u>Volcanic Cone Viewshafts - Surveyed Co-ordinates</u>	<u>I - 1</u>

Auckland Regional Policy Statement

6.1 Introduction

Auckland's heritage involves those aspects of both the natural and cultural environment ~~that~~ which have been inherited from the past, define the present and will be handed on to future generations. Auckland has a unique and distinctive physical setting and natural environment. The rich resources of the Region have attracted human settlement for approximately 1000 years. Throughout this period the natural environment has been extensively modified by human activities. Thus the natural and cultural resources of the Region are inextricably linked. Auckland's heritage is a dynamic resource which changes spatially and over time as natural systems evolve and humans impact on the environment.

While particular aspects of the natural environment have values as heritage resources, the maintenance of the intrinsic values and quality of ecosystems is generally fundamental to the continued survival of those more valued components.

The natural heritage of Auckland includes: indigenous flora and fauna, terrestrial, marine and freshwater ecosystems and habitats, landforms, geological features, soils and the natural character of the coastline. Auckland's cultural heritage includes: sites, places, place names, areas, waahi tapu, waahi tapu areas, taonga, buildings, objects, artefacts, natural features of cultural and historical significance, historical associations, people and institutions. Some of these resources have been highly modified and depleted, yet they contain heritage that is of national and international significance, and are one of the best chronological records of human settlement in New Zealand.

The natural and cultural heritage associated with the coastal environment and the volcanic field in particular has always been of central importance in creating the sense of place that is Auckland.

..... [See the notified or combined versions of Change 8 for paragraphs relating to landscape.]

Auckland's sense of place is also defined by its volcanic field of which the volcanic cones are the most well known features. They are key components of the cultural identity of many Aucklanders and have been identified as Outstanding Natural Features.

..... [See the notified or combined versions of Change 8 for paragraphs relating to landscape.]

The heritage resources of the Auckland Region offer a wide variety of social, economic and recreational opportunities, and are in recent years ~~have been the~~ primary factors in shaping its development. Auckland's unique heritage is

central to the identity of communities, groups and individuals in the Region and is of fundamental importance to Tangata Whenua. It creates the sense of place that is Auckland and engenders a sense of belonging.

This chapter addresses the preservation and protection of heritage resources and is based upon the requirements of sections 5, 6 and 7 of the RM Act. It is intended to provide for sustaining the potential of natural and physical resources to meet the reasonably foreseeable needs of future generations (RM Act section 5(2)a). It is also a response to the requirement to recognise and provide for, or have particular regard to, the following matters:

- the preservation of the natural character of the coastal environment (including the coastal marine area), wetlands, and lakes and rivers and their margins and the protection of them from inappropriate subdivision, use and development (RM Act section 6 (a));
- the protection of outstanding natural features and landscapes from inappropriate subdivision, use and development (RM Act section 6(b));
- the protection of areas of significant indigenous vegetation and significant habitats of indigenous fauna (RM Act section 6(c));
- the maintenance and enhancement of public access to and along the CMA, lakes and rivers (RM Act section 6(d));
- the relationship of Maori and their culture and traditions with their ancestral lands, water, sites, waahi tapu and other taonga (RM Act section 6(e));
- the protection of historic heritage from inappropriate subdivision, use and development (RM Act section 6(f));
- Kaitiakitanga (RM Act section 7(a));
- the ethic of stewardship (RM Act section 7 (aa));
- the maintenance and enhancement of amenity values (RM Act section 7(c));
- intrinsic values of ecosystems (RM Act section 7(d));

Auckland Regional Policy Statement

- ~~recognition and protection of the heritage values of sites, buildings, places or areas (RM Act section 7(e));~~
- the maintenance and enhancement of the quality of the environment (RM Act section 7(f));
- ~~the any~~ finite characteristics of natural and physical resources (RM Act section 7(g)).

Section 30 (1) also gives regional councils responsibility for:

(ga) the establishment, implementation, and review of objectives, policies and methods for maintaining indigenous biological diversity.

Other chapters of this regional policy statement contribute to and reinforce the objective, policies and methods of this chapter. In particular this chapter should be read in conjunction with Chapters 2, 3, 7, 8, 9, 13, 14 and 18.

[No change to the section Roles and Responsibilities]

6.2 Issues

Issue 6.2.1 All Heritage

The heritage of the Auckland Region has been depleted and continues to be under threat.

Auckland imposes special pressures on its heritage resources because it is the largest ~~and fastest growing~~ urban area in New Zealand ~~and continues to experience significant population growth in many parts of the region.~~ A significant amount of Auckland's heritage has already been destroyed and a great deal of that which remains is under threat, ~~from the individual and cumulative effects of inappropriate development.~~ In particular, much of the natural and cultural heritage of the coastal environment has been modified or destroyed ~~through the gradual and cumulative effects of development.~~ While some of the Region's heritage resources receive a degree of protection through public ownership, many resources are held in private ownership.

More specific issues associated with particular natural and cultural heritage resources are as follows:

[No change to sections 6.2.2, 6.2.3, 6.2.4, Table 6.1 and Figure 6.1]

Issue 6.2.5 Geological Heritage

Auckland has a diverse range of areas and features of geological significance that form

part of its natural and physical heritage. These areas and features can be adversely affected by inappropriate subdivision, use and development.

The Auckland Region is endowed with a rich and diverse variety of natural landforms, geological features and soils. In combination, these features document the unique geological history of the Region, the development of its landforms, and the evolution of its biota. Protection of Auckland's geological heritage has been random with the result that ~~many a diverse and representative range of its geological features have~~ has not been protected.

The two most well known features of the Auckland Region are its coastal setting, which has been shaped by both geological and contemporary coastal processes and the range of large and smaller scale features that comprise its volcanic fields.

The Region has two volcanic fields. The Auckland volcanic field covers about 100 km² and it originally contained 48 small explosion centres that gave rise to the landmark scoria cones of urban Auckland and to Rangitoto, Motukorea and Puketutu Islands. Eruptions from these centres also gave rise to a number of explosion craters with their associated tuff rings, and extensive lava fields with lava caves, tunnels and exposures. Issue 6.2.6 discusses further the protection and management of the Region's volcanic cones and explosion craters and tuff rings, the three most well known and visually apparent volcanic features.

Other volcanic features are associated with the extensive lava flows that extruded from the cones and spread out to underlie much of urban Auckland. Only small areas of these lava fields now remain relatively unmodified, such as Te Tokoroa (Meola) Reef, or the Otutataua Lava Flow. These lava flows include associated caves and tunnels and geological exposures.

The Franklin Volcanic Field, which spans both the Auckland and Waikato Regions, contained 80 identified volcanoes. Being older than Auckland's volcanoes, the Franklin volcanoes are more eroded and weathered and therefore more difficult to recognise as volcanic features. The volcanic origin of much of this landscape is revealed by the presence of the rich red volcanic soils and the sloping forms of Pukekohe and Bombay Hills and by the presence of tuff rings at Barriball Road, Ingram Road and Ravensthorpe and the Pukekohe East Tuff Ring, which is in the north west of the Pukekohe East and Runciman Roads.

The Region's volcanic features have social, cultural, historical, geological, archaeological, scientific, ecological, amenity, open space and

Auckland Regional Policy Statement

landscape values and many are of regional, national and/or international significance.

This chapter addresses the management of the Region's volcanic features and in particular, those identified as Regionally Significant Volcanic Features (see Appendix D – Definitions).

All types of geological features in the Auckland Region have been subject to modification, or loss by use and development. The most extensive change has been to the volcanic field with the loss or significant modification of both large and small scale volcanic features to urban development. Buildings and infrastructure mask the original form of many large scale features, while excavation, land re-contouring and quarrying has resulted in the loss of geological features of many types. This quarrying continues in some locations by way of existing use rights, district plan rules, land-use consents and mineral permits.

As well as its coastal setting which has been shaped by both geological and contemporary coastal processes, the most conspicuous geological features of Auckland are those associated with its 48 volcanoes. These features are a combination of scoria cones, explosion craters with tuff rings and lava fields. Auckland's volcanic heritage has been extensively modified with the result that none of the Region's volcanoes remain completely intact. Of Auckland's 34 volcanic cones, 17 are protected, 10 have been completely destroyed, and the remainder have been modified to a greater or lesser extent. Of the Region's 17 explosion craters, seven are protected in part with the remainder having been modified by a variety of uses. Auckland's volcanic field continues to be quarried, by way of existing use rights and mineral permits. [Note some of the text in the paragraph above, shown as deleted is included in Issue 6.2.6]

This, coupled with public concern over the loss of heritage values associated with the volcanic field, has produced conflict between the value of the aggregate and the heritage value of the features. Chapter 13 - Minerals also covers these issues.

Issue 6.2.6: Auckland's Volcanic Field

The physical and visual integrity and values of the volcanic field, and its features, can be adversely affected by subdivision, use and development that directly impacts on their structure, or by inappropriate development in surrounding areas.

Important views to the volcanic cones from urban Auckland and their value as outstanding natural features can also be compromised by inappropriately located, or inappropriately sized development.

The volcanic cones are iconic features of Auckland. They give the Region its unique character and identity and set this urban area apart from other cities in the world. Their contribution to the character of the Region arises not only from their individual identities as outstanding natural features, but also from their number and juxtaposition within the urban landscape. They provide islands of naturalness, of open space and of green that interact with an urban landscape which continues to change as a result of urban growth and development.

Many views of the cones are inextricably linked with images of Auckland. For example, Maungauika (North Head), Takarunga (Mt Victoria), Rangitoto, Motukorea (Browns Island) and Te Pane O Mataaho (Mangere Mountain) are key markers of Auckland's maritime setting. Other volcanic cones such as Pukekaroro (Auckland Domain), Maungawhau (Mt Eden), Maungakiekie (One Tree Hill), Koheraunui (Big King of Three Kings), Owairaka (Mt Albert), Puketapapa (Mt Roskill), Te Kopuke (Mt St John), Remuweru (Mt Hobson), Maungarei (Mt Wellington) and Otahuhu (Mt Richmond) are physical markers and identifiers at both the regional and local level. They are outstanding natural features and have a landscape value that arises from their combination of naturalness within an urban environment and their cultural associations.

The volcanic cones are of international, national and regional significance. They are of particular significance to Tangata Whenua of the Region, as ancestral land and taonga, being both sites of occupation and battle. Physical occupation is reflected in the presence of complex earthworks terraces, ditches, pits and middens. They are also central to the identity of Tangata Whenua as tribal groups within the Region and are places to which Maori have a deep spiritual and cultural attachment.

The volcanic cones have also become part of the valued natural and cultural heritage of the wider Auckland community. As well as views to and between the volcanic cones, views from the cones across the urban, rural and maritime landscape are part of the local and visitor experience of the Auckland Region.

Although the scoria cones are the most visual expression of Auckland's volcanic heritage, other large scale volcanic features make an important contribution to the Region's landscape and geological heritage. Explosion craters and tuff rings provide significant and well known local landmarks, as well as being of national and regional significance. Lake Pupuke, Tank Farm (Tuff Crater), Orakei and Panmure Basins and Pukaki and Mangere Lagoons are all examples of explosion craters with tuff rings.

Auckland Regional Policy Statement

Auckland's volcanic heritage has been extensively modified with the result that none of the Region's volcanoes remain completely intact. Of Auckland's 34 volcanic cones, 17 are protected (generally as public reserve), 10 have been completely destroyed and the remainder have been modified to a greater or lesser extent. Of the Region's 17 explosion craters, seven are protected in part with the remainder having been modified by a variety of uses.

Urban development within the Metropolitan Urban Limits, including infrastructure and the development of multi-unit and high rise buildings can affect the physical integrity of the volcanic features themselves, as well as their surroundings, and the views to and from the volcanic cones. Unsympathetic urban development has occurred on some privately owned sections on the slopes of several volcanoes. Inappropriately high or bulky buildings or other structures or planting, or inappropriately located structures can adversely affect the physical intactness, visual quality and visibility of the cones, their value as outstanding natural features and heritage icons and their visual and physical links to the wider urban landscape of Auckland.

Urban development on many of the explosion crater and tuff rings has also resulted in significant physical modification of their original topography and as well masking of their overall land form and volcanic origins. This has meant a loss in the diversity of Auckland's volcanic features.

Many of the volcanic cones have located within them (underground) or in some cases above ground, existing water supply reservoirs, pipelines and structures. This infrastructure is important for the water supply of the Auckland Region.

The development of key infrastructure, including water supply reservoirs and roads has affected the physical integrity of several volcanic features (cones and tuff rings) and further development has the potential to impact on others.

The majority of the volcanic cones identified in this RPS are held as reserves and managed by either the Department of Conservation or territorial authorities, however inappropriate management actions can adversely affect the natural and cultural heritage values of the cones. Such actions can include inappropriately located or designed buildings or earthworks for pedestrian, cycle or road access and vehicle parking, inappropriate planting or grazing by stock, or the allocation of areas of the reserves for exclusive use by particular groups (eg sports facilities). The former actions have direct physical and visual effects on the cones, while the latter

affects the ability of the public to freely access all parts of the volcanic cone reserve.

..... [The ARC is undertaking a variation of the landscape component of Change 8. See the notified or combined versions of Change 8 for the issues relating to landscape.]

Issue 6.2.8 Management of Heritage Resources

A precautionary approach to management may be appropriate because of the cumulative effects of past destruction, the irreversibility of many of these effects, a lack of accurate and reliable information, and the continuing threat to heritage. Many of the significant heritage resources remaining in the Auckland Region occur on private land. This is particularly the case for indigenous forest areas, gardens, trees in urban areas, wetlands, archaeological sites and historic structures. Thus, to ensure the retention of a diverse and representative range of heritage in the Region, it will be necessary to institute and promote a flexible approach that incorporates a wide variety of management techniques.

6.3 Objectives

1. ***To preserve or protect a diverse and representative range of the Auckland Region's heritage resources.***
2. ***To maintain, enhance or provide public access to the Region's heritage resources consistent with their ownership and maintenance of their heritage value.***
3. ***To protect and restore ecosystems and other heritage resources, whose heritage value and/or viability is threatened.***

..... [The ARC is undertaking a variation of the landscape component of Change 8. See the notified or combined versions of Change 8 for Objectives 6.3.4 and 6.3.5, which relate to landscape..]

6. **To protect and enhance the visual and physical integrity and values of the Region's volcanic features¹, including social, cultural, historical, geological, archaeological, scientific, ecological, amenity, open space and landscape values.**

¹ ENV-2008-AKL-000052 Winstone Aggregates – seek to replace the term volcanic features with “scoria cones, explosion craters and tuff rings”.

Auckland Regional Policy Statement

7. To protect significant views to Auckland's volcanic cones.²

8. To manage heritage resources in an integrated way to ensure their contribution to the variety of heritage values is protected and enhanced.

6.4 Policies, Methods And Reasons

6.4.1 Policies: Heritage preservation and protection.

The following policies and methods give effect to Objectives 6.3-1, and 3 and 4

[Policies 6.4.1.1 to 6.4.1.3 remain unchanged but the cross reference at the end of 6.4.1.3 is amended as follows:]

(Refer to policies 6.4.7, 6.4.13, and 6.4.16 ~~and 6.4.19~~)

6.4.2 Methods

[Other than as identified below, all other methods remain unchanged]

2. *In preparing regional, district and annual plans the following mechanisms for the preservation and protection of heritage resources should be considered:*

.....

(v) *regulatory controls, e.g., volcanic cone viewshafts ~~site lines~~, rules, abatement and enforcement orders;*

.....

(xii) pest animal and pest weed control;

(xiv) mechanisms available under the Local Government Act 2002.

.....

[The following provisions remain unchanged:

- 6.4.3: Reasons
- 6.4.4 – 6.4.6: Heritage use and access
- 6.4.7 – 6.4.9: Evaluation of natural heritage
- 6.4.10 – 6.4.12: Restoration of natural heritage]

² ENV-2008-AKL-000055 Auckland City Council – seek to include “and between” after “views to”.

6.4.13 Policies: Evaluation of geological heritage.

[Policy 6.4.13.1 remains unchanged, insert at the end of Policy 6.4.13.1 the following cross-reference]

Refer also to Policy 6.4.1

~~2. Auckland's volcanic cones shall be managed in an integrated manner by the responsible resource management and reserve management authority.~~ [An amended version of this policy is now included in 6.4.19 – Policies Volcanic features as Policy 6.4.19.1]

6.4.14 Methods

The implementation of Policy 6.4.13-1 ~~and~~ 2 will rely on Methods 6.4.2-1 to -10 and the following:

[Method 6.4.14.1 remains unchanged]

~~2. Resource management and reserve management authorities are encouraged to consider a range of options to achieve the integrated management of Auckland's volcanic cones. Possible methods include joint management plans, the creation of a network of volcanic cone parks, and co-ordination of interpretive material on Auckland's volcanic cones. Continuing co-operation between all responsible agencies is considered essential for the integrated management of Auckland's volcanic cones.~~ [Method 6.4.14.2 has been incorporated into Method 6.4.20.9]

[The following provisions remain unchanged:

- 6.4.15: Reasons
- 6.4.16 – 6.4.18: Evaluation of Cultural Heritage, Method and Reasons]

6.4.19 Policies: Volcanic Features³

The following policies and methods give effect to Objectives 6.3.1, 6.3.6, 6.3.7 and 6.3.8.

1. The volcanic features⁴ of the Auckland Region shall be managed in an integrated manner⁵ to protect their local, regional, national and/or international significance⁶ and to maintain the range and diversity of

³ ENV-2008-AKL-000059 Watercare Services Ltd – seek to include new policies in relation to regionally significant water supply infrastructure.

⁴ ENV-2008-AKL-000052 Winstone Aggregates – seek to include after “The volcanic features” the words “(scoria cones, explosion craters and tuff rings)” and also the word “such” between “diversity of” and “volcanic features”.

⁵ ENV-2008-AKL-000055 Auckland City Council – seek to delete the words “in an integrated manner”.

⁶ ENV-2008-AKL-000057 Transit NZ – seek to include the words “where practicable” after the word “significance”.

Auckland Regional Policy Statement

volcanic features within the context of the wider Auckland and Franklin volcanic fields.

2. The physical and visual integrity and values of Regionally Significant Volcanic Features shall be protected by:

(i) avoiding⁷ activities that individually or cumulatively:

(a) result in significant modification or destruction of the feature;

(b) are physically or visually intrusive;⁸

(ii) ensuring that, where publicly owned, their open space and amenity values are maintained and where practicable enhanced⁹ and that the provision of public access and recreation is consistent with the protection of their other values;

(iii) ensuring activities on land surrounding or connected to the feature are managed so that the values of the feature are maintained and where practicable enhanced.

3. Subdivision, use and development shall be managed to ensure that the ¹⁰general visibility and landscape prominence of the volcanic cones identified in Map Series 3a as Outstanding Natural Features, is maintained and where practicable ¹¹enhanced, including physical and visual connections to, and views between, the volcanic cones.

4. The views of volcanic cones that are listed in Appendix I and indicated on Map Series 4a, shall be protected¹², and intrusion into the defined viewshafts by buildings or structures shall be avoided, except where provided for by specified building heights

⁷ ENV-2008-AKL-000055 Auckland City Council – seek to include “remedying or mitigating the effect of” after the word “avoiding”.

⁸ ENV-2008-AKL-000052 Winstone Aggregates – seek to delete sub-clauses 2(i)(b) and 2(iii).

⁹ ENV-2008-AKL-000057 Transit NZ – seek to move the words “where practicable” to immediately following the word “enhanced” in both sub-clauses 2(ii) and 2(iii).

¹⁰ ENV-2008-AKL-000052 Winstone Aggregates – seek to delete “general visibility and landscape prominence” and replace with “defined viewshafts” and seek to delete “including physical and visual connections to, and views between, the volcanic cones.”

¹¹ ENV-2008-AKL-000057 Transit NZ – seek to move the words “where practicable” to immediately prior to the word “maintained”.

¹² ENV-2008-AKL-000057 Transit NZ – seek to insert the words “where practicable” immediately following the word “protected” and the word “avoided”.

in Height Sensitive Areas that underlie the viewshafts and are depicted in Map Series 4a.¹³

5. Urban intensification in High Density Centres and Corridors identified in Schedule 1 shall be undertaken consistent with¹⁴ Policies 6.4.19.1 – 4.

6.4.20 Methods: Volcanic Features¹⁵

1 Local authorities and other management authorities with responsibility for the management of volcanic features are to:

(i) include in their district and regional plans objectives, policies, rules and other methods, including those available under the Local Government Act 2002, to give effect to Objectives 6.3.6, 6.3.7 and 6.3.8 and Policies 6.4.19.

(ii) give effect to Policies 6.4.19 in management plans prepared under the Reserves Act 1977 or other legislation, to the extent consistent with the purpose of that legislation.

2 Provision is to be made in district plans and in the Regional Plan: Coastal to control the location, size and height of buildings and other structures on land or in the coastal marine area under the volcanic cone viewshafts listed in Appendix I.

3 Territorial Authorities shall identify and appropriately protect locally significant volcanic features and locally significant views to and between the volcanic cones.¹⁶

4 Territorial Authorities are to make provision in their district plans for Height Sensitive Areas around the volcanic cones listed in Appendix I or on intervening landforms where the potential arises for development to intrude into the viewshaft.

5 Territorial Authorities are to control the location, size and height of buildings and other structures in these Height Sensitive Areas to provide a visual buffer around the

¹³ ENV-2008-AKL-000055 Auckland City Council – seek to delete “and are depicted in Map Series 4a”.

¹⁴ ENV-2008-AKL-000055 Auckland City Council – seek to replace “be undertaken consistent with” with the words “take into account”.

¹⁵ ENV-2008-AKL-000055 Auckland City Council – seek to include a new method regarding the identification of volcanic features that are not Outstanding Natural Features.

¹⁶ ENV-2008-AKL-000055 Auckland City Council – seek to delete the method.

Auckland Regional Policy Statement

volcanic cone and/or to maintain visibility within¹⁷ the viewshafts.

6 Where the maximum permissible building height in any Height Sensitive Area underlying a viewshaft offers the potential for development to penetrate the floor of the viewshaft, Territorial Authorities are to control such development so as to reduce adverse effects on protected views to the greatest practicable extent, including prohibiting development that breaches the height restrictions where appropriate.¹⁸

7 Local authorities and road and rail controlling authorities shall manage vegetation within the land they control, (including the volcanic and other reserves) and any structures such as signs associated with the operation of the reserve, road or rail to maintain¹⁹ views to the volcanic cones provided by the viewshafts listed in Appendix I, or views of the volcanic cones from adjacent roads.

8 District plan provisions relating to the protection of trees and other vegetation should in appropriate circumstances²⁰, enable the trimming or removal of vegetation to maintain the viewshafts.

9 Resource management and reserve management authorities are encouraged to consider a range of options to achieve the integrated management of Auckland's volcanic features. Possible methods include joint management plans, the creation of a network of volcanic feature parks, and co-ordination of interpretive material on Auckland's volcanic features. Continuing co-operation between all responsible agencies is considered essential for the integrated management of Auckland's volcanic features.

6.4.21 Reasons: Volcanic Features

Policies 6.4.19 and Methods 6.4.20 address the management of volcanic features in the Auckland Region and in particular, Regionally Significant Volcanic Features. The volcanic cones are identified as Outstanding Natural Features on Map Series 3a. The volcanic features have a range of values that are identified in Issue 6.2.5. Further information on the values of many of these features is also contained in Appendix B of this RPS. Objective 6.3.6 and the Policies in 6.4.19, afford a high level of protection to these features and in particular the volcanic cones, in recognition of their international, national and regional significance and their strong association with the character and identity of the Auckland Region. The volcanic features are also finite resources that cannot be created elsewhere. Once lost or significantly modified, they cannot be restored or re-created. Hence the focus of the policy is on the protection of values and avoidance of the adverse effects of activities, such as buildings, structures and earthworks or land disturbance, that are physically or visually intrusive.

Smaller scale volcanic features such as lava caves and exposures are important for their geological and scientific values, and sometimes for their historical and recreational values. Retaining the existing range and diversity of features is important as part of the overall volcanic heritage of the Auckland Region. Method 6.4.20.3 requires Territorial Authorities to protect locally significant volcanic features and locally significant views to and between the volcanic cones. In the management of volcanic soils, the provisions of Chapter 12, Soil Conservation are relevant.

Most of the volcanic cones are in public ownership, held and managed under the Reserves Act 1977. However, privately owned land generally surrounds the cones and covers the wider volcanic apron. In some cases, privately owned land extends significant distances up the slopes of the actual cone (eg Mt Eden, Mt Albert, Mt Hobson and Mt St John). Larger areas of the Region's explosion craters and tuff rings are in private ownership, although parts of these features are in public ownership.

Where the volcanic features are in public ownership they provide critical areas of open space within Auckland's urban area. Being public land there is also the expectation of free and full public access, where this access is consistent with the protection of the natural and physical environment of the volcanic feature. Policy 6.4.19.2 requires that the provision of public access to, and recreation on, the publicly owned Regionally Significant Volcanic Features is

¹⁷ ENV-2008-AKL-000055 Auckland City Council – seek to delete “provide a visual buffer around the volcanic cones and/or to maintain visibility within” and replace with “manage the effects on”.

¹⁸ ENV-2008-AKL-000055 Auckland City Council – seek to delete “so as to reduce” and replace with the words “take into account the potential” and also delete all text following the word “protected”.

¹⁹ ENV-2008-AKL-000055 Auckland City Council – seek to delete the word “maintain” and replace with “ensure the maintenance of” and to insert the words “is taken into account” at the very end of the method.

²⁰ ENV-2008-AKL-000055 Auckland City Council – seek to include the words “taking into account the values and positive effects of the trees or vegetation” following the word “circumstances”.

Auckland Regional Policy Statement

consistent with the protection of the values of the feature.

Many of the volcanic cones have located on, or within them, existing water supply infrastructure, including reservoirs. This regionally significant infrastructure requires maintenance and on occasion, may require replacement. The operation of this infrastructure is generally provided for by way of designations within the relevant district plan.

An integrated approach to the management of Region's volcanic features is required to ensure that their values are identified and protected and their relationship with the surrounding area is maintained. This approach involves integration among agencies (eg. TAs, ARC, DoC and private trusts such as the Cornwall Park Trust Board and requiring authorities) and between legislation, particularly the Reserves Act 1977 and the Resource Management Act 1991. Policies 6.4.19.1 and 6.4.19.2 and Method 6.4.20.9 address this issue.

Activities outside of the volcanic feature reserves have the potential to adversely affect the values of the features. While the most visually significant areas of the volcanic cones and their aprons are protected by the volcanic viewshafts in this RPS and by the inclusion of Height Sensitive Areas in the relevant district plans, activities adjacent to the cones and to other volcanic features have the ability to adversely affect their heritage values. These include new development, which may inhibit access to the volcanic feature, or development that is of a scale or location that dominates the local landscape and reduces the visual significance or amenity values of the volcanic feature. Policy 6.4.19.2(iii) addresses the relationship between the volcanic feature and its wider environment.

Historically, views to and the general visibility of the volcanic cones have been identified and protected in regional and district plans. This protection continues in this RPS through Objective 6.3.7, Policies 6.4.19.3, 4 and Methods 6.4.20.1 to 6.4.20.8 and by the inclusion of 70 viewshafts in Map Series 4a. These viewshafts identify regionally significant views to the cones from public viewing locations in Auckland, Manukau and North Shore Cities and in the Coastal Marine Area. The viewshafts are also included in the relevant district plans and in the Auckland Regional Plan: Coastal. District plans also identify Height Sensitive Areas on or near the cones, or on intervening landforms, where these approach the floor of one or more viewshaft. Within these areas controls are placed on the height, location and size of buildings and other structures to maintain the general visibility of the volcanic cones within the urban landscape.

All the viewshafts have been surveyed and their limits are described in three dimensional co-ordinates (relative to the Mt Eden Circuit, the National Mapping Grid and Mean Sea Level). This data is included in the relevant district plans and regional plans. This level of data makes it possible for persons owning land over which a viewshaft passes, to establish by means of survey methods, the height to which buildings or structures may be erected on that land, without penetrating the floor of the protected viewshaft.

The protected viewshafts originate at public areas and generally identify a view to a cone that is often along a major road, and in particular Auckland's urban motorway system. Methods 6.4.20.7 and 8 recognise the need to control vegetation to maintain the viewshafts. Local public viewing points to the volcanic cones and their associated reserves are often available from adjacent roads. Hence ensuring that vegetation along these roads and in the reserves themselves do not compromise views to the cones is important.

Auckland Regional Policy Statement

6.5 Environmental Results Anticipated

[Other than as identified below all other parts of 6.5 Environmental Results Anticipated remain unchanged]

It is anticipated that these policies and methods will result in the following outcomes:

.....

- (c) significant volcanic features and views of volcanic cones and landscapes will be protected;

..... *[The ARC is undertaking a variation of the landscape component of Change 8. See the notified or combined versions of Change 8 for proposed (d)]*

6.6 Monitoring

[Other than as identified below all other parts of 6.6 Monitoring remain unchanged]

The ARC in conjunction with TAs will develop and maintain monitoring systems and databases to monitor cultural heritage, natural areas and their ecological processes by:

..... *[The ARC is undertaking a variation of the landscape component of Change 8. See the notified or combined versions of Change 8 for amended (vii)]*

- (viii) the visibility of, and views to, the volcanic cones identified in Map Series 4a will be monitored and reported on at intervals of not less than six years.

Auckland Regional Policy Statement

Definitions and Abbreviations

Height Sensitive Area

means those areas beneath the viewshafts, identified in Map Series 4a as being particularly height sensitive.

Outstanding Natural Features

means those features identified as Outstanding Natural Features in Map Series 3a. With regard to the volcanic cones, their naturalness does not equate to a pristine, unmodified or indigenous state, but reflects the general absence of man-made structures and a dominance of natural elements, including the volcanic landform, open space and vegetation, whether exotic or indigenous.

Volcanic Features

means the remnants of volcanic activity, including explosion centres, scoria cones, explosion craters, tuff rings, lava flows and fields (including caves, tunnels and exposures). For the purposes of the provisions in Chapter 6, volcanic features do not include soils of volcanic origin.²¹

Regionally Significant Volcanic Features

²²include all volcanic features identified in Appendix B and Map Series 2 as Significant Natural Heritage Areas (geological or landform), the volcanic cones identified in Map Series 3a as Outstanding Natural Features and any volcanic features determined to be of regional or greater significance with reference to the significance criteria outlined in Policy 6.4.13.1.

[See the notified or combined versions of Change 8 for definitions relating to landscape.]

²¹ ENV-2008-AKL-000052 Winstone Aggregates – seek to amend the definition to read: “means scoria cones, explosion craters, and tuff rings.”

²² ENV-2008-AKL-000055 Auckland City Council – seek to replace the words “include all” with the words “are those” and insert the word “and” following the bracketed word landform; and also seek to delete all text following “Outstanding Natural Features” (ie. and any....Policy 6.4.13.1”).

Auckland Regional Policy Statement Volcanic Cone Viewshafts - Surveyed Co-ordinates

[The following table has been added by Change 8 but is not shown as unlined for the ease of the reader.]

VIEWSHAFT REFERENCE	PT	MT EDEN CIRCUIT		HEIGHT (AGL – Above Ground Level)	NZ MAP GRID	
		Northing	Easting		Northing	Easting
A1	1	697936.32	294323.27	49.90 (1m AGL)	6476951.26	2661969.04
	2	698225.95	296162.35	99.10	6477203.18	2663813.81
	3	698905.38	295912.93	99.10	6477887.62	2663578.34
A10	1	699638.24	297208.86	40.18 (1m AGL)	6478593.85	2664889.11
	2	698404.95	296155.83	98.30	6477382.29	2663810.96
	3	698783.55	295830.68	98.30	6477767.50	2663493.60
A13	1	702165.97	290247.81	14.30 (1m AGL)	6481263.85	2657980.74
	2	698126.98	295796.36	62.00	6477111.72	2663445.84
	3	698794.44	296225.48	62.00	6477770.30	2663888.58
A2	1	697318.89	295997.87	60.39 (1m AGL)	6476299.61	2663630.77
	2	698526.95	295756.47	97.57	6477512.46	2663414.15
	3	698524.25	296252.43	97.57	6477499.59	2663909.99
A7	1	696950.85	298086.47	66.75 (1m AGL)	6475888.84	2665711.54
	2	698343.11	295908.76	98.90	6477325.52	2663562.65
	3	698743.65	296224.56	98.90	6477719.53	2663886.62
A9	1	698090.46	296925.60	65.40 (1m AGL)	6477052.07	2664574.18
	2	698308.15	295940.28	98.68	6477289.91	2663593.45
	3	698767.84	296177.67	98.68	6477744.69	2663840.23
B1	1	703727.18	305343.68	5.13 (1m AGL)	6482515.52	2673106.63
	2	703354.98	306079.34	3.60 (1m AGL)	6482128.29	2673834.57
	3	704653.94	311882.72	-	6483308.08	2679663.78
	4	705786.31	311618.86	-	6484445.70	2679423.18
B2	1	703435.18	306362.37	(1m AGL)	6482202.68	2674119.20
	2	703025.98	307376.50	-	6481772.74	2675124.80
	3	704725.57	311951.66	-	6483378.28	2679734.17
	4	705922.78	311463.08	GRADE -1:100	6484585.35	2679270.22
B3	1	703054.04	307476.08	4.40 (1m AGL)	6481798.76	2675224.94
	2	705828.52	311463.08	-44.18	6484491.10	2679268.29
	3	705384.18	311738.05	-44.18	6484041.18	2679534.10
B5	1	703086.00	312107.26	40.80 (1m AGL)	6481735.75	2679856.13
	2	708855.81	305699.23	-269.13	6487636.18	2673567.29
	3	711708.52	312182.50	-269.13	6490355.55	2680108.22
B6	1 East	699143.49	313798.32	56.39 (1m AGL)	6477759.14	2681466.09
	1 West	699164.60	313751.68	51.65 (1m AGL)	6477781.21	2681419.90
	2	708927.15	305935.07	-107.40	6487702.67	2673804.56
	3	711484.72	311551.83	-116.30	6490144.71	2679473.03

Auckland Regional Policy Statement

VIEWSHAFT REFERENCE	PT	MT EDEN CIRCUIT		HEIGHT (AGL – Above Ground Level)	NZ MAP GRID	
		Northing	Easting		Northing	Easting
E1	1	699340.19	299706.09	94.94(1m AGL)	6478244.67	2667379.90
	2	700092.66	299777.00	133.32	6478995.58	2667466.22
	3	699921.36	300189.28	133.32	6478815.85	2667874.94
E10	1	700039.37	300260.61	135.00	6478932.40	2667948.67
	2	699964.92	299766.19	135.00	6478868.08	2667452.79
	3	706820.13	298734.05	4.60 (1m AGL)	6485743.55	2666561.27
	4	706899.44	298752.20	4.41 (1m AGL)	6485822.47	2666581.04
	5	707042.64	298812.23	4.17 (1m AGL)	6485964.42	2666644.00
	6	707489.25	299138.93	4.00 (1m AGL)	6486404.28	2666979.81
E11	1	702757.99	303266.27	3.96 (1m AGL)	6481589.04	2671009.64
	2	702853.96	303705.12	4.43 (1m AGL)	6481676.01	2671450.40
	3	699761.97	300191.65	135.00	6478656.44	2667874.04
	4	700401.03	299677.17	135.00	6479305.96	2667372.72
	A	702760.99	303352.21	4.05	6481590.28	2671095.63
	B	702767.02	303417.51	4.12	6481594.98	2671161.04
	C	702782.15	303485.25	4.19	6481608.71	2671229.09
	D	702834.92	303655.70	4.38	6481657.98	2671400.60
E12	1 South	702507.84	303996.81	5.55 (1m AGL)	6481323.96	2671734.95
	1 North	702580.92	303922.38	4.04 (1m AGL)	6481398.55	2671662.03
	2	700448.34	299722.59	127.33	6479352.33	2667419.10
	3	699777.60	300130.75	126.78	6478673.31	2667813.47
E13	1 East	701799.87	305006.43	49.26 (1m AGL)	6480595.38	2672729.93
	1 West	701777.14	304855.61	40.33 (1m AGL)	6480575.75	2672578.66
	2	700511.02	299832.89	115.80	6479412.74	2667530.67
	3	699833.28	300053.50	113.50	6478730.58	2667737.36
E14	1	700469.49	301123.49	82.04 (1m AGL)	6479344.77	2668820.13
	2	700423.13	301215.68	81.09 (1m AGL)	6479296.53	2668911.48
	3	700367.34	301299.54	80.14 (1m AGL)	6479239.03	2668994.18
	4	700299.03	301375.60	79.17 (1m AGL)	6479169.17	2669068.83
	5	700253.87	301411.27	78.62 (1m AGL)	6479123.28	2669103.57
	6	700362.27	299902.93	110.75	6479262.58	2667597.66
	7	699653.33	300092.89	110.75	6478549.83	2667773.07
E16	1	705005.82	298188.54	28.10 (1m AGL)	6483940.65	2665978.65
	2	705587.07	298496.36	40.75 (1m AGL)	6484515.51	2666298.34
	3	700086.13	300255.89	135.00	6478979.24	2667944.91
	4	699961.72	299886.27	135.00	6478862.42	2667572.79
E18	1	701291.97	299743.08	85.70 (1m AGL)	6480195.43	2667456.88
	2	699921.11	299717.78	111.50	6478825.27	2667403.49
	3	700132.92	300475.55	111.50	6479021.53	2668165.50

Auckland Regional Policy Statement

VIEWSHAFT REFERENCE	PT	MT EDEN CIRCUIT		HEIGHT (AGL – Above Ground Level)	NZ MAP GRID	
		Northing	Easting		Northing	Easting
E19	1	701454.86	300243.98	87.20 (1m AGL)	6480348.03	2667961.05
	2	701332.31	300281.51	84.95 (1m AGL)	6480224.72	2667996.06
	3	699917.33	300320.35	116.36	6478809.14	2668005.90
	4	700112.82	299562.83	112.00	6479020.13	2667252.49
	5	701377.70	300215.92	88.55	6480271.46	2667931.41
E2	1	698894.44	299638.35	89.35 (1m AGL)	6477800.37	2667303.04
	2	700060.35	299785.30	128.90	6478963.11	2667473.85
	3	699966.16	300120.38	128.90	6478862.07	2667806.96
E20	1	702048.97	298942.22	72.30 (1m AGL)	6480968.74	2666671.64
	2	699877.27	299788.86	122.73	6478779.98	2667473.67
	3	700238.53	300410.36	122.73	6479128.45	2668102.48
E3	1	697749.96	299352.73	76.73 (1m AGL)	6476661.90	2666994.01
	2	700077.93	299720.06	117.54	6478982.02	2667408.98
	3	699932.90	300241.06	117.54	6478826.33	2667926.94
E4	1	698607.69	299948.22	86.55 (1m AGL)	6477507.31	2667606.98
	2	700005.28	299667.68	112.20	6478910.45	2667355.13
	3	699995.67	300272.94	112.20	6478888.44	2667960.10
E8	1	705135.22	303025.47	3.60	6483970.89	2670817.60
	2	705150.28	303054.09	4.36	6483985.36	2670846.52
	3	705128.48	303181.01	4.52	6483960.96	2670972.98
	4	705140.46	303245.65	4.56	6483971.62	2671037.86
	5	699874.98	300190.23	148.85	6478769.46	2667874.93
	6	699960.46	300053.47	148.85	6478857.73	2667739.94
	7	700170.73	299717.06	148.85	6479074.87	2667407.89
	8	700199.44	299671.13	148.85	6479104.52	2667362.55
E9	1	701955.85	301046.50	66.89 (1m AGL)	6480832.50	2668773.73
	2	700138.64	299758.26	140.25	6479041.93	2667448.42
	3	699926.21	300128.67	140.25	6478821.95	2667814.43
H1	1	700563.58	300979.51	82.62	6479441.79	2668678.22
	2	699765.06	301923.73	96.62	6478624.04	2669605.94
	3	700057.70	302107.90	96.62	6478912.86	2669796.09
H2	1 East	702914.15	302851.62	4.50 (1m AGL)	6481753.68	2670598.25
	1 West	703018.14	302745.47	4.37 (1m AGL)	6481859.84	2670494.24
	2	700042.20	301745.87	104.15	6478904.78	2669433.79
	3	699916.15	302219.80	104.70	6478769.03	2669905.07

Auckland Regional Policy Statement

VIEWSHAFT REFERENCE	PT	MT EDEN CIRCUIT		HEIGHT (AGL – Above Ground Level)	NZ MAP GRID	
		Northing	Easting		Northing	Easting
H3	1	702777.54	303127.32	3.80	6481611.44	2670871.11
	2	702758.78	303244.13	3.94	6481590.29	2670987.52
	3	702772.03	303446.68	3.27	6481599.38	2671190.31
	4	702847.36	303687.92	3.50	6481669.76	2671433.06
	5	700079.22	301772.18	100.30	6478941.26	2669460.85
	6	700026.59	301881.57	100.30	6478886.39	2669569.15
	7	699944.54	302052.10	100.30	6478800.86	2669737.97
	8	699858.79	302230.32	100.30	6478711.47	2669914.41
H4	1 East	701799.87	305006.43	49.26 (1m AGL)	6480595.38	2672729.93
	1 West	701777.14	304855.61	40.33 (1m AGL)	6480575.75	2672578.66
	2	700233.70	301885.14	94.83	6479093.40	2669576.96
	3	699824.75	302133.35	94.14	6478679.42	2669816.76
H5	1 East	701853.49	305614.87	59.17 (1m AGL)	6480636.53	2673339.38
	1 West	701830.03	305438.82	59.15 (1m AGL)	6480616.68	2673162.87
	2	700243.93	301904.17	93.31	6479103.24	2669596.20
	3	699825.55	302120.83	93.21	6478680.48	2669804.26
H6	1	705135.22	303025.47	3.60	6483970.89	2670817.60
	2	705150.28	303054.09	4.36	6483985.36	2670846.52
	3	705128.48	303181.01	4.52	6483960.96	2670972.98
	4	705140.46	303245.65	4.56	6483971.62	2671037.86
	5	699924.41	302220.89	95.30	6478777.27	2669906.33
	6	699954.33	302082.97	95.30	6478810.02	2669769.04
	7	700017.83	301790.27	95.30	6478879.51	2669477.68
	8	700030.06	301733.94	95.30	6478892.89	2669421.61
H7	1 North	702580.93	303922.36	4.04 (1m AGL)	6481398.56	2671662.02
	1 South	702511.28	303993.38	5.27 (1m AGL)	6481327.47	2671731.59
	2	700153.50	301795.49	95.90	6479015.05	2669485.68
	3	699865.91	302173.37	95.59	6478719.76	2669857.61
M4	1	690337.55	303343.61	14.53	6469168.78	2670832.46
	2	690441.89	303245.78	16.42	6469275.11	2670736.78
	3	690560.13	303162.63	16.85	6469395.03	2670656.07
	4	690648.70	303112.86	16.04	6469484.61	2670608.12
	5	692464.84	301884.69	41.50	6471325.64	2669417.33
	6	692170.90	301588.13	41.50	6471037.82	2669114.79
	7	691911.93	301326.86	41.50	6470784.24	2668848.26
	8	691878.97	301293.61	41.50	6470751.97	2668814.34

Auckland Regional Policy Statement

VIEWSHAFT REFERENCE	PT	MT EDEN CIRCUIT		HEIGHT (AGL – Above Ground Level)	NZ MAP GRID	
		Northing	Easting		Northing	Easting
M5	1	693409.79	302246.00	12.07	6472263.06	2669797.95
	2	693635.75	302185.59	17.66	6472490.22	2669742.18
	3	693733.92	302159.19	19.24	6472588.92	2669717.79
	4	693827.41	302128.77	19.47	6472683.02	2669689.29
	5	693916.87	302089.15	18.54	6472773.28	2669651.51
	6	693999.68	302041.34	16.49	6472857.05	2669605.40
	7	694075.47	301986.21	13.42	6472933.96	2669551.83
	8	692110.70	301352.95	57.20	6470982.45	2668878.42
	9	692080.31	301435.42	57.20	6470950.37	2668960.25
	10	692051.64	301513.18	57.20	6470920.12	2669037.41
	11	692025.09	301585.24	57.20	6470892.09	2669108.92
	12	692001.35	301649.64	57.20	6470867.04	2669172.82
	13	691978.44	301711.79	57.20	6470842.86	2669234.49
	14	691925.88	301854.41	57.20	6470787.38	2669376.02
M6	1 West	694972.79	300648.68	4.69 (1m AGL)	6473858.56	2668232.88
	1 East	694589.36	301235.12	4.72 (1m AGL)	6473463.16	2668811.38
	2	692034.20	301367.37	52.04	6470905.66	2668891.26
	3	692164.99	301974.13	53.90	6471024.00	2669500.62
O1	1 East	701841.86	305600.72	59.39 (1m AGL)	6480625.19	2673324.99
	1 West	701820.72	305368.51	58.65 (1m AGL)	6480608.81	2673092.39
	2	697778.33	301387.20	114.08	6476648.58	2669028.78
	3	697097.31	302176.21	111.84	6475951.49	2669803.73
O10	1 North	699908.19	306798.34	66.16 (1m AGL)	6478667.24	2674482.81
	1 South	699831.20	306761.41	61.20 (1m AGL)	6478591.01	2674444.30
	2	697073.91	301868.56	97.63	6475934.39	2669495.64
	3	698168.04	301376.68	96.67	6477038.45	2669026.24
O11	1	693088.40	302314.89	4.56	6471940.30	2669860.25
	2	693635.61	302170.84	17.40	6472490.38	2669727.43
	3	693765.37	302134.44	18.80	6472620.87	2669693.69
	4	693838.51	302108.50	18.66	6472694.53	2669669.25
	5	693927.43	302067.10	17.51	6472784.29	2669629.68
	6	693994.14	302027.39	15.64	6472851.80	2669591.34
	7	697494.65	301195.77	108.65	6476368.86	2668831.56
	8	697520.10	301388.84	108.65	6476390.35	2669025.13
	9	697544.52	301574.14	108.65	6476410.97	2669210.90
	10	697557.94	301675.93	108.65	6476422.30	2669312.95
	11	697573.82	301796.44	108.65	6476435.71	2669433.77
	12	697633.01	302245.55	108.65	6476485.69	2669884.03
O12	1	694184.46	297363.11	109.80 (1m AGL)	6473137.65	2664931.62
	2	697836.51	301455.68	121.07	6476705.34	2669098.44
	3	696962.75	302092.55	69.45	6475818.66	2669717.31

Auckland Regional Policy Statement

VIEWSHAFT REFERENCE	PT	MT EDEN CIRCUIT		HEIGHT (AGL – Above Ground Level)	NZ MAP GRID	
		Northing	Easting		Northing	Easting
O2	1	699449.51	303795.32	57.90 (1m AGL)	6478270.17	2671470.81
	2	697950.82	301332.36	110.03	6476822.16	2668977.48
	3	697306.19	301866.99	110.03	6476166.67	2669498.82
O4	1	695642.20	306348.50	23.37 (1m AGL)	6474411.08	2673945.60
	2	697157.37	301503.26	119.27	6476025.32	2669132.10
	3	697910.81	301806.97	119.27	6476772.44	2669451.20
O5	1	698566.03	300128.47	82.31 (1m AGL)	6477461.95	2667786.36
	2	697384.47	301553.98	145.02	6476251.36	2669187.46
	3	697752.69	301791.79	145.02	6476614.65	2669432.79
O6	1	698483.88	300369.21	80.19 (1m AGL)	6477374.89	2668025.38
	2	697393.18	301544.95	135.00	6476260.24	2669178.62
	3	697682.46	301758.36	135.00	6476545.12	2669397.92
O7	1	696025.39	301747.96	46.14 (1m AGL)	6474888.49	2669353.57
	2	697544.63	301523.08	136.25	6476412.12	2669159.85
	3	697560.38	301797.44	136.25	6476422.25	2669434.50
O8	1	695785.19	301773.46	40.70 (1m AGL)	6474647.80	2669374.15
	2	697545.57	301543.00	123.00	6476412.65	2669179.79
	3	697560.46	301794.83	123.00	6476422.38	2669431.88
O9	1	695496.93	301804.39	34.75 (1m AGL)	6474358.95	2669399.16
	2	697543.63	301549.44	127.25	6476410.59	2669186.19
	3	697558.19	301732.32	127.25	6476421.39	2669369.33
R2	1	697054.05	297980.45	62.15 (1m AGL)	6475994.19	2665607.65
	2	696151.17	297721.55	67.78	6475096.74	2665330.30
	3	696316.85	297398.42	67.78	6475269.02	2665010.60
T1	1	701987.11	301188.04	80.07 (1.5m AGL)	6480860.86	2668915.89
	2	711446.65	306709.29	-154.22	6490205.97	2674630.35
	3	708779.06	309780.86	-154.22	6487475.74	2677646.81
T10	1	701819.89	311994.57	3.82 (1m AGL)	6480472.14	2679717.49
	C	701851.90	311995.30	3.93 (1m AGL)	6480504.12	2679718.87
	B	701895.90	312026.60	3.74 (1m AGL)	6480547.49	2679751.03
	A	701956.20	312066.30	3.67 (1m AGL)	6480606.91	2679791.98
	2	701965.95	312068.19	3.89 (1m AGL)	6480616.66	2679794.10
	4	711415.82	312340.85	-	6490059.63	2680260.53
	3	709114.18	305749.98	-	6487893.47	2673623.32
T2	4	703614.22	304689.12	6.03 (1m AGL)	6482415.99	2672449.85
	5	703014.43	308112.62	4.50 (1m AGL)	6481746.11	2675860.58
	6	708410.60	313165.72	-	6487037.91	2681023.64
	9	710904.03	305713.64	-	6489683.84	2673623.69

Auckland Regional Policy Statement

VIEWSHAFT REFERENCE	PT	MT EDEN CIRCUIT		HEIGHT (AGL – Above Ground Level)	NZ MAP GRID	
		Northing	Easting		Northing	Easting
T3	1	705594.11	298483.08	40.75(1m AGL)	6484522.81	2666285.20
	2	708722.17	308927.79	58.80	6487436.36	2676792.68
	3	711255.75	307800.95	58.80	6489992.71	2675717.94
T4	1	715730.47	297451.20	96.05(1m AGL)	6494679.10	2665461.22
	2	708874.06	307789.93	-24.00	6487611.55	2675658.08
	3	711807.79	309220.37	-24.00	6490515.56	2677148.50
T8	1	702296.73	308536.01	48.85 (1m AGL)	6481019.82	2676269.20
	2	710028.95	307723.32	-40.40	6488767.66	2675615.16
	3	710009.10	309519.42	-40.40	6488710.98	2677410.63
T7	1 West A	700523.86	301061.11	82.45 (1m AGL)	6479400.41	2668758.99
	1 East	700478.02	301158.34	82.24 (1m AGL)	6479352.58	2668855.27
	1 East B	700442.07	301227.29	82.09	6479315.23	2668923.47
	2A	711421.97	306359.72	-80.84	6490188.46	2674280.31
	3	708613.90	310351.25	-80.84	6487298.9	2678213.73
T9	1	700039.50	312864.57	34.43 (1m AGL)	6478674.16	2680550.86
	2	709497.94	307256.01	-46.40	6488246.30	2675137.03
	3	710336.61	309006.11	-1.28	6489048.97	2676904.10
V1	1	708834.83	301872.48	34.76(1m AGL)	6487693.65	2669740.60
	2	705661.08	302924.15	52.54	6484498.76	2670727.07
	3	705781.62	303235.05	52.54	6484612.91	2671040.40
V2	1	707756.27	302283.36	30.23(1m AGL)	6486606.82	2670129.32
	2	705662.47	302929.50	50.93	6484500.04	2670732.45
	3	705784.02	303238.20	50.93	6484615.25	2671043.60
V3	1	707069.80	302539.40	28.17(1m AGL)	6485915.18	2670371.25
	2	705663.48	302934.70	38.67	6484500.94	2670737.67
	3	705782.97	303230.84	38.67	6484614.35	2671036.22
W1	1	697757.91	305201.86	39.93 (1m AGL)	6476549.98	2672842.48
	2	689205.15	307347.51	53.24	6476953.18	2674996.99
	3	698546.34	307246.90	53.24	6477296.39	2674903.39

Auckland Regional Policy Statement

VIEWSHAFT REFERENCE	PT	MT EDEN CIRCUIT		HEIGHT (AGL – Above Ground Level)	NZ MAP GRID	
		Northing	Easting		Northing	Easting
W12	1	700278.02	312615.66	4.08	6478917.75	2680306.88
	2	700398.77	312615.78	3.41	6479038.48	2680309.47
	3	312572.98	312572.98	3.95	6479230.57	2680270.60
	4	700759.14	312462.25	3.77	6479401.95	2680163.35
	5	700758.37	312403.39	3.41	6479402.39	2680104.49
	6	700810.61	312386.30	3.63	6479454.97	2680088.47
	7	700872.05	312406.30	4.30	6479515.99	2680109.73
	8	701017.90	312383.91	3.63	6479662.28	2680090.33
	9	701237.70	312297.34	3.24	6479883.82	2680008.28
	10	701381.87	312221.15	2.93	6480029.53	2679935.06
	11	701590.14	312099.96	2.99	6480240.26	2679818.16
	12	698691.97	307101.46	51.50	6477444.98	2674760.96
	13	698590.07	307154.07	51.50	6477342.02	2674811.47
	14	698521.04	307189.71	51.50	6477272.26	2674845.69
	15	698421.52	307241.09	51.50	6477171.71	2674895.02
	16	698362.29	307271.67	51.50	6477111.86	2674924.38
	17	698308.95	307299.20	51.50	6477057.96	2674950.82
	18	698223.81	307343.15	51.50	6476971.93	2674993.02
	19	698143.55	307384.60	51.50	6476890.83	2675032.81
	20	698098.13	307408.04	51.50	6476844.94	2675055.32
W18	1	699749.11	306700.41	53.43 (1m AGL)	6478510.19	2674381.64
	2	699901.45	306778.19	65.06 (1m AGL)	6478660.91	2674462.52
	3	698462.25	307621.40	55.35	6477204.63	2675276.11
	4	698245.42	307102.02	55.35	6476998.48	2674752.36
W19	1	701829.41	305309.58	57.10 (1m AGL)	6480618.71	2673033.64
	2	701845.08	305540.37	59.05 (1m AGL)	6480629.65	2673264.71
	3	698478.54	307554.53	102.30	6477222.30	2675209.59
	4	698231.71	307109.00	76.60	6476984.63	2674759.06
W2	1	697848.01	305497.99	37.25 (1m AGL)	6476634.00	2673140.42
	2	698205.23	307349.40	84.93	6476953.22	2674998.88
	3	698600.42	307226.92	84.93	6477350.87	2674884.52
W24	1	696135.64	308528.62	16.33 (1m AGL)	6474859.76	2676135.51
	2	696250.72	308250.82	20.91 (1m AGL)	647980.53	2675860.12
	3	698238.82	308250.82	45.44	6476990.94	2674798.39
	4	698509.97	307617.83	47.17	6477252.42	2675273.52
W25	1	698397.00	308157.04	27.31 (1m AGL)	6477128.42	2675810.34
	2	698783.10	307329.06	57.03	6477531.43	2674990.39
	3	698082.04	307299.47	57.03	6476831.08	2674946.44

Auckland Regional Policy Statement

VIEWSHAFT REFERENCE	PT	MT EDEN CIRCUIT		HEIGHT (AGL – Above Ground Level)	NZ MAP GRID	
		Northing	Easting		Northing	Easting
W26	1	697670.27	313438.05	44.05 (1m AGL)	6476293.52	2681075.68
	2	697030.51	301657.01	102.50	6475895.33	2669283.22
	3	698561.74	301673.38	102.50	6477426.01	2669330.97
	4	698136.49	307285.37	74.62 Upper 48.32 Lower	6476885.81	2674933.46
	5	698667.58	307352.27	81.24 Upper 48.32 Lower	6477415.46	2675011.23
	6	698744.32	307361.93	48.32	6477491.98	2675022.47
	7	699876.05	299978.01	126.30	6478774.89	2667662.76
	8	700229.97	300040.80	126.30	6479127.47	2667732.80
	9	699850.60	302026.38	114.10	6478707.46	2669710.34
	10	700165.08	302090.98	114.10	6479020.57	2669781.37
W4	1	696722.79	306669.87	25.84 (1m AGL)	6475484.93	2674289.07
	2	698443.54	307021.26	54.87	6477198.23	2674675.68
	3	698234.35	307564.10	54.87	6476977.94	2675214.15
W5	1	697752.08	307166.33	20.75 (1m AGL)	6476503.89	2674806.55
	2	698387.10	307126.48	73.90	6477139.64	2674779.72
	3	698261.16	307548.02	73.90	6477005.07	2675198.62
W8	1	697650.26	307775.82	23.70 (1m AGL)	6476389.59	2675413.87
	2	698232.07	307139.03	70.56	6476984.37	2674789.10
	3	698490.20	307579.59	70.56	6477233.44	2675234.88