

IN THE MATTER

of section 151 of the Local Government (Auckland Transitional) Act 2010

AND**IN THE MATTER**

of **VECTOR LIMITED** designations that have been included in the Proposed Auckland Unitary Plan.

**DECISION OF VECTOR LIMITED ON AUCKLAND COUNCIL'S DECISION IN
RELATION TO ITS DESIGNATIONS AND NOTICES OF REQUIREMENT**

Background

1. Vector Limited ("**Vector**") is a requiring authority for the purposes of the Resource Management Act 1991 ("**RMA**").
2. Vector's designations included in the Unitary Plan were publicly notified and open to public submission between 30 September 2013 and 28 February 2014. Vector worked collaboratively with Auckland Council ("**Council**") and Unitary Plan staff, submitters, and other requiring authorities through the Topic 074 Designations process, in order to narrow or resolve any outstanding submissions on its designations. To that end, Vector has filed a number of memoranda of counsel with the Panel.¹
3. The Panel commissioned reports on Vector's designations involving changes classified as minor matters and errors; and those classified as moderately complex in accordance with section 142 of the Local Government (Auckland Transitional Provisions) Act 2010 ("**LGATPA**"), dated 19 May 2016. These reports were also adopted as the Panel's recommendation in accordance with section 144 of the LGATPA.
4. The Council notified requiring authorities of its recommendations on their designations on 19 August 2016 ("**Council Decision**").

Decision

5. In accordance with the Council's preferred format for requiring authorities' decisions, Vector has marked up the Council Decision to reflect its final decision, in relation to:
 - (a) Designations on which no outstanding submissions remained, which therefore proceeded under section 144(4) of the LGATPA with no recommendation from the Panel, and on which the Council and Vector are in agreement ("**Agreed Designations**").²
 - (b) Designations on which no outstanding submissions remained, which therefore proceeded under section 144(4) of the LGATPA with no recommendation from the Panel, and where Vector has

¹ Memorandum recording proposed mark-up to Vector's designations, dated 14 October 2015; Memorandum in relation to a jurisdiction issue raised in the section 142 reports, dated 10 September 2015; Memorandum recording agreement with Auckland Transport Limited ("**AT**") in relation to AT's designations, dated 19 October 2015; and Memorandum recording agreement with Heritage New Zealand in relation to Vector's designations, dated 18 November 2015.

² Refer **Appendix One** for clean versions of these designations.

minor amendments to the Council's decision (to correct errors, or to reflect agreement reached with submitters, the Council or Independent planer reporting on those designations) ("**Corrected Designations**").³

- (c) Designations on which a Panel recommendation was required ("**Panel Recommendation Designations**").⁴
6. In relation to the Corrected Designations, Vector has made minor corrections to the locations of Designations 8805 and 8898, and the replacement of "District Plan" with "Unitary Plan" (reflected in ~~green~~ underline). Vector has also made amendments to the lapse dates to pinpoint specific dates in order to provide greater certainty. In particular, Designations 8805 and 8889 refer to "31 August 2027" instead of "10 years"; and the lapse dates in Designations 8843, 8851, 8866 refer to "31 August 2022" instead of "five years". These changes have been affirmed by the independent planner reporting on those designations, and are reflected in ~~orange~~ underline.
7. In relation to the Panel Recommendation Designations, the amended conditions reflect agreements reached with the Council, and other submitters. The Council has accepted the Panel Recommendation Designations, and Vector agrees, subject to the following minor changes:
- (a) Designation 8831 and 8905 - substituting "Unitary Plan" in place of references to "District Plan" or other legacy plans.
- (b) Designation 8842 - substituting "Resource consents and compliance" in place of "Infrastructure Environmental Services" in conditions 17, 18 and 36.

DATED September 2016



John Rodger
General Counsel for Vector
Limited

³ Refer **Appendix Two** for clean and marked-up versions of these designations.

⁴ Refer **Appendix Three** for clean versions of these designations.

APPENDIX ONE

AGREED DESIGNATIONS

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»

8800 Otara Substation

| | |
|----------------------|--|
| Designation Number | 8800 |
| Requiring Authority | Vector Ltd |
| Location | 285 East Tamaki Road, Otara |
| Rollover Designation | Yes |
| Legacy Reference | Designation 128, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8801 Pakuranga Substation**

| | |
|----------------------|--|
| Designation Number | 8801 |
| Requiring Authority | Vector Ltd |
| Location | 10 Udys Road, Pakuranga |
| Rollover Designation | Yes |
| Legacy Reference | Designation 129, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8802 Wiri Substation**

| | |
|----------------------|--|
| Designation Number | 8802 |
| Requiring Authority | Vector Ltd |
| Location | 103 Wiri Station Road, Manukau |
| Rollover Designation | Yes |
| Legacy Reference | Designation 130, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8803 Bairds Substation**

| | |
|----------------------|--|
| Designation Number | 8803 |
| Requiring Authority | Vector Ltd |
| Location | 1 Laxon Avenue, Otara |
| Rollover Designation | Yes |
| Legacy Reference | Designation 131, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8804 Mangere East Substation**

| | |
|----------------------|--|
| Designation Number | 8804 |
| Requiring Authority | Vector Ltd |
| Location | 80 Raglan Street, Papatoetoe |
| Rollover Designation | Yes |
| Legacy Reference | Designation 132, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | Given effect to (i.e.no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8806 South Howick Substation**

| | |
|----------------------|--|
| Designation Number | 8806 |
| Requiring Authority | Vector Ltd |
| Location | 39 Whitford Road, Howick |
| Rollover Designation | Yes |
| Legacy Reference | Designation 134, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8807 Maraetai Substation**

| | |
|----------------------|--|
| Designation Number | 8807 |
| Requiring Authority | Vector Ltd |
| Location | 140R-142 Maraetai Drive, Maraetai |
| Rollover Designation | Yes |
| Legacy Reference | Designation 135, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8808 Manurewa Substation**

| | |
|----------------------|--|
| Designation Number | 8808 |
| Requiring Authority | Vector Ltd |
| Location | 28 Weymouth Road, Manurewa |
| Rollover Designation | Yes |
| Legacy Reference | Designation 136, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8809 Greenmount Substation**

| | |
|----------------------|--|
| Designation Number | 8809 |
| Requiring Authority | Vector Ltd |
| Location | 15 Nandina Avenue, Greenmount |
| Rollover Designation | Yes |
| Legacy Reference | Designation 137, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8810 Clendon Substation**

| | |
|----------------------|--|
| Designation Number | 8810 |
| Requiring Authority | Vector Ltd |
| Location | 418 Roscommon Road, Manurewa |
| Rollover Designation | Yes |
| Legacy Reference | Designation 138, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8811 Howick Substation**

| | |
|----------------------|--|
| Designation Number | 8811 |
| Requiring Authority | Vector Ltd |
| Location | 72 Hutchinson Road, Howick |
| Rollover Designation | Yes |
| Legacy Reference | Designation 139, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8812 Mangere Central Substation**

| | |
|----------------------|--|
| Designation Number | 8812 |
| Requiring Authority | Vector Ltd |
| Location | 2 Canning Crescent, Mangere |
| Rollover Designation | Yes |
| Legacy Reference | Designation 140, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8813 Newmarket Substation**

| | |
|----------------------|---|
| Designation Number | 8813 |
| Requiring Authority | Vector Ltd |
| Location | 1 Gillies Avenue, Epsom |
| Rollover Designation | Yes |
| Legacy Reference | Designation D09-37, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8814 Rosebank Substation**

| | |
|----------------------|---|
| Designation Number | 8814 |
| Requiring Authority | Vector Ltd |
| Location | 355 Rosebank Road, Avondale |
| Rollover Designation | Yes |
| Legacy Reference | Designation E02-07, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8815 Mt Albert Substation**

| | |
|----------------------|---|
| Designation Number | 8815 |
| Requiring Authority | Vector Ltd |
| Location | 867B New North Rd, Mt Albert |
| Rollover Designation | Yes |
| Legacy Reference | Designation E05-26, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8816 Remuera Substation**

| | |
|----------------------|---|
| Designation Number | 8816 |
| Requiring Authority | Vector Ltd |
| Location | 2-4 Minto Road, Remuera |
| Rollover Designation | Yes |
| Legacy Reference | Designation E12-05, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8817 St Johns Substation**

| | |
|----------------------|---|
| Designation Number | 8817 |
| Requiring Authority | Vector Ltd |
| Location | 60 College Road, St Johns |
| Rollover Designation | Yes |
| Legacy Reference | Designation E14-04, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8818 Freemans Bay Substation**

| | |
|----------------------|---|
| Designation Number | 8818 |
| Requiring Authority | Vector Ltd |
| Location | 98 Franklin Road, Freemans Bay |
| Rollover Designation | Yes |
| Legacy Reference | Designation B07-35, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8819 Newton Substation**

| | |
|----------------------|---|
| Designation Number | 8819 |
| Requiring Authority | Vector Ltd |
| Location | 12 Dundonald Street, Eden Terrace |
| Rollover Designation | Yes |
| Legacy Reference | Designation C08-19, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8820 Parnell Substation**

| | |
|----------------------|---|
| Designation Number | 8820 |
| Requiring Authority | Vector Ltd |
| Location | 27-29 Ruskin Street, Parnell |
| Rollover Designation | Yes |
| Legacy Reference | Designation C10-29, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8821 Orakei Substation**

| | |
|----------------------|---|
| Designation Number | 8821 |
| Requiring Authority | Vector Ltd |
| Location | 4 Thatcher Street, Mission Bay |
| Rollover Designation | Yes |
| Legacy Reference | Designation C13-05, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8822 St Heliers Substation**

| | |
|----------------------|---|
| Designation Number | 8822 |
| Requiring Authority | Vector Ltd |
| Location | 58-60 Kesteven Avenue, Glendowie |
| Rollover Designation | Yes |
| Legacy Reference | Designation C16-05, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8823 Point Chevalier Substation**

| | |
|----------------------|---|
| Designation Number | 8823 |
| Requiring Authority | Vector Ltd |
| Location | 1094 Great North Road, Point Chevalier |
| Rollover Designation | Yes |
| Legacy Reference | Designation D05-05, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8824 Kingsland Substation**

| | |
|----------------------|---|
| Designation Number | 8824 |
| Requiring Authority | Vector Ltd |
| Location | 1A Central Road, Kingsland |
| Rollover Designation | Yes |
| Legacy Reference | Designation D07-22, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8825 Glen Innes Substation**

| | |
|----------------------|---|
| Designation Number | 8825 |
| Requiring Authority | Vector Ltd |
| Location | 83 West Tamaki Road, Glen Innes |
| Rollover Designation | Yes |
| Legacy Reference | Designation D15-07, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8827 Avondale Substation**

| | |
|----------------------|---|
| Designation Number | 8827 |
| Requiring Authority | Vector Ltd |
| Location | 3 Chalmers Street, Avondale |
| Rollover Designation | Yes |
| Legacy Reference | Designation F04-08, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8828 Sandringham Substation**

| | |
|----------------------|---|
| Designation Number | 8828 |
| Requiring Authority | Vector Ltd |
| Location | 249 Mount Albert Road, Sandringham |
| Rollover Designation | Yes |
| Legacy Reference | Designation F06-07, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8829 McNab Substation**

| | |
|----------------------|---|
| Designation Number | 8829 |
| Requiring Authority | Vector Ltd |
| Location | 11 McNab Street, Penrose |
| Rollover Designation | Yes |
| Legacy Reference | Designation G12-08, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8832 Mt Wellington Substation**

| | |
|----------------------|---|
| Designation Number | 8832 |
| Requiring Authority | Vector Ltd |
| Location | 111 Mount Wellington Highway, Mount Wellington |
| Rollover Designation | Yes |
| Legacy Reference | Designation F14-22, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8833 White Swan Substation**

| | |
|----------------------|---|
| Designation Number | 8833 |
| Requiring Authority | Vector Ltd |
| Location | 36-38 White Swan Road, Mount Roskill |
| Rollover Designation | Yes |
| Legacy Reference | Designation G05-06, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity substation purposes.

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8834 Rockfield Substation**

| | |
|----------------------|---|
| Designation Number | 8834 |
| Requiring Authority | Vector Ltd |
| Location | 66-70 Rockfield Road, Penrose |
| Rollover Designation | Yes |
| Legacy Reference | Designation G11-12, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8835 Onehunga Substation**

| | |
|----------------------|---|
| Designation Number | 8835 |
| Requiring Authority | Vector Ltd |
| Location | 77 Selwyn Street, Onehunga |
| Rollover Designation | Yes |
| Legacy Reference | Designation H09-19, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8836 Te Papapa Substation**

| | |
|----------------------|---|
| Designation Number | 8836 |
| Requiring Authority | Vector Ltd |
| Location | 120 Mays Road, Te Papapa |
| Rollover Designation | Yes |
| Legacy Reference | Designation H11-15, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8837 Westfield Substation**

| | |
|----------------------|---|
| Designation Number | 8837 |
| Requiring Authority | Vector Ltd |
| Location | 805 Great South Road, Mount Wellington |
| Rollover Designation | Yes |
| Legacy Reference | Designation H13-03, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8838 Carbine Substation**

| | |
|----------------------|---|
| Designation Number | 8838 |
| Requiring Authority | Vector Ltd |
| Location | 115 Carbine Road, Mount Wellington |
| Rollover Designation | Yes |
| Legacy Reference | Designation H14-12, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8839 Hans Substation**

| | |
|----------------------|---|
| Designation Number | 8839 |
| Requiring Authority | Vector Ltd |
| Location | 16 Hans Street, Otahuhu |
| Rollover Designation | Yes |
| Legacy Reference | Designation J13-10, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8844 McLeod Substation**

| | |
|----------------------|---|
| Designation Number | 8844 |
| Requiring Authority | Vector Ltd |
| Location | 135 McLeod Road, Te Atatu South |
| Rollover Designation | Yes |
| Legacy Reference | Designation V1, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8845 Woodford Substation**

| | |
|----------------------|--|
| Designation Number | 8845 |
| Requiring Authority | Vector Ltd |
| Location | 8 Woodford Avenue, Henderson |
| Rollover Designation | Yes |
| Legacy Reference | Designation V10, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8846 New Lynn Substation**

| | |
|----------------------|--|
| Designation Number | 8846 |
| Requiring Authority | Vector Ltd |
| Location | 14 Titirangi Road, New Lynn |
| Rollover Designation | Yes |
| Legacy Reference | Designation V11, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Description

Electricity works (substation).

Purpose

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8847 Brickworks Substation**

| | |
|----------------------|--|
| Designation Number | 8847 |
| Requiring Authority | Vector Ltd |
| Location | 6 Clinker Place, New Lynn |
| Rollover Designation | Yes |
| Legacy Reference | Designation V12, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate: a. A statement on the relevant Plan objectives, policies and rules; and b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site. Note: That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8848 Waikaukau Substation**

| | |
|----------------------|--|
| Designation Number | 8848 |
| Requiring Authority | Vector Ltd |
| Location | 15 Waikaukau Road, Glen Eden |
| Rollover Designation | Yes |
| Legacy Reference | Designation V13, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8849 Henderson Substation**

| | |
|----------------------|--|
| Designation Number | 8849 |
| Requiring Authority | Vector Ltd |
| Location | 140-142 Henderson Valley Road, Henderson |
| Rollover Designation | Yes |
| Legacy Reference | Designation V14, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8850 Keeling Road Substation**

| | |
|----------------------|--|
| Designation Number | 8850 |
| Requiring Authority | Vector Ltd |
| Location | 45-49 Keeling Road, Henderson |
| Rollover Designation | Yes |
| Legacy Reference | Designation V15, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8852 Oratia Substation**

| | |
|----------------------|--|
| Designation Number | 8852 |
| Requiring Authority | Vector Ltd |
| Location | 647 West Coast Road, Oratia |
| Rollover Designation | Yes |
| Legacy Reference | Designation V17, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8854 Sabulite Substation**

| | |
|----------------------|---|
| Designation Number | 8854 |
| Requiring Authority | Vector Ltd |
| Location | 44-50 Sabulite Road, Kelston |
| Rollover Designation | Yes |
| Legacy Reference | Designation V2, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8855 Te Atatu Substation**

| | |
|----------------------|---|
| Designation Number | 8855 |
| Requiring Authority | Vector Ltd |
| Location | 28 Royal View Road, Te Atatu |
| Rollover Designation | Yes |
| Legacy Reference | Designation V3, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8856 Hobsonville Substation**

| | |
|----------------------|---|
| Designation Number | 8856 |
| Requiring Authority | Vector Ltd |
| Location | 1 Trig Road, Whenuapai |
| Rollover Designation | Yes |
| Legacy Reference | Designation V4, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8857 Swanson Substation**

| | |
|----------------------|--|
| Designation Number | 8857 |
| Requiring Authority | Vector Ltd |
| Location | 606 Swanson Road, Swanson |
| Rollover Designation | Yes |
| Legacy Reference | Designation WCCV5, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8858 Triangle Substation**

| | |
|----------------------|---|
| Designation Number | 8858 |
| Requiring Authority | Vector Ltd |
| Location | 173-183 Triangle Road, Massey |
| Rollover Designation | Yes |
| Legacy Reference | Designation V6, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8859 Atkinson Road Substation**

| | |
|----------------------|---|
| Designation Number | 8859 |
| Requiring Authority | Vector Ltd |
| Location | 86 Atkinson Road, Titirangi |
| Rollover Designation | Yes |
| Legacy Reference | Designation V7, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8860 Simpson Road Substation**

| | |
|----------------------|---|
| Designation Number | 8860 |
| Requiring Authority | Vector Ltd |
| Location | 171 Simpson Road, Henderson |
| Rollover Designation | Yes |
| Legacy Reference | Designation V8, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8861 Laingholm Substation**

| | |
|----------------------|---|
| Designation Number | 8861 |
| Requiring Authority | Vector Ltd |
| Location | 449 Huia Road, Laingholm |
| Rollover Designation | Yes |
| Legacy Reference | Designation V9, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Description

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8862 Takanini Substation**

| | |
|----------------------|---|
| Designation Number | 8862 |
| Requiring Authority | Vector Ltd |
| Location | 496 Mill Road, Ardmore |
| Rollover Designation | Yes |
| Legacy Reference | Designation 7, Auckland Council District Plan (Papakura Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8863 Papakura Substation**

| | |
|----------------------|--|
| Designation Number | 8863 |
| Requiring Authority | Vector Ltd |
| Location | 6 Smiths Avenue, Papakura |
| Rollover Designation | Yes |
| Legacy Reference | Designation 26, Auckland Council District Plan (Papakura Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8867 McKinnon Substation**

| | |
|----------------------|--|
| Designation Number | 8867 |
| Requiring Authority | Vector Ltd |
| Location | 1 Don McKinnon Drive, Albany |
| Rollover Designation | Yes |
| Legacy Reference | Designation 157, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8869 Browns Bay Substation**

| | |
|----------------------|---|
| Designation Number | 8869 |
| Requiring Authority | Vector Ltd |
| Location | 59 Anderson Road, Albany |
| Rollover Designation | Yes |
| Legacy Reference | Designation 64, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8870 Belmont Substation**

| | |
|----------------------|---|
| Designation Number | 8870 |
| Requiring Authority | Vector Ltd |
| Location | 161-167 Bayswater Avenue, Takapuna |
| Rollover Designation | Yes |
| Legacy Reference | Designation 65, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8871 Birkdale Substation**

| | |
|----------------------|---|
| Designation Number | 8871 |
| Requiring Authority | Vector Ltd |
| Location | 82A Eskdale Road, Birkenhead |
| Rollover Designation | Yes |
| Legacy Reference | Designation 66, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8872 Balmain Substation**

| | |
|----------------------|---|
| Designation Number | 8872 |
| Requiring Authority | Vector Ltd |
| Location | 5A Balmain Road, Birkenhead |
| Rollover Designation | Yes |
| Legacy Reference | Designation 67, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8875 East Coast Road Substation**

| | |
|----------------------|---|
| Designation Number | 8875 |
| Requiring Authority | Vector Ltd |
| Location | 497 East Coast Road, Mairangi Bay |
| Rollover Designation | Yes |
| Legacy Reference | Designation 68, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8876 James Street Substation**

| | |
|----------------------|---|
| Designation Number | 8876 |
| Requiring Authority | Vector Ltd |
| Location | 27 James Street, Glenfield |
| Rollover Designation | Yes |
| Legacy Reference | Designation 69, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8877 Greenhithe Substation**

| | |
|----------------------|---|
| Designation Number | 8877 |
| Requiring Authority | Vector Ltd |
| Location | 220 Kyle Road, Greenhithe |
| Rollover Designation | Yes |
| Legacy Reference | Designation 70, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8878 Hauraki Substation**

| | |
|----------------------|---|
| Designation Number | 8878 |
| Requiring Authority | Vector Ltd |
| Location | 1B Jutland Road, Takapuna |
| Rollover Designation | Yes |
| Legacy Reference | Designation 71, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8880 Milford Substation**

| | |
|----------------------|---|
| Designation Number | 8880 |
| Requiring Authority | Vector Ltd |
| Location | 2B East Coast Road, Milford |
| Rollover Designation | Yes |
| Legacy Reference | Designation 73, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8881 Northcote Substation**

| | |
|----------------------|---|
| Designation Number | 8881 |
| Requiring Authority | Vector Ltd |
| Location | 51 Lake Road, Northcote |
| Rollover Designation | Yes |
| Legacy Reference | Designation 74, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8882 Sunset Road Substation**

| | |
|----------------------|---|
| Designation Number | 8882 |
| Requiring Authority | Vector Ltd |
| Location | 228 Sunset Road, Mairangi Bay |
| Rollover Designation | Yes |
| Legacy Reference | Designation 75, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8883 Hillcrest Substation**

| | |
|----------------------|---|
| Designation Number | 8883 |
| Requiring Authority | Vector Ltd |
| Location | 27 Northcote Road, Northcote |
| Rollover Designation | Yes |
| Legacy Reference | Designation 76, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8884 Torbay Substation**

| | |
|----------------------|---|
| Designation Number | 8884 |
| Requiring Authority | Vector Ltd |
| Location | 40A Glenvar Road, Torbay |
| Rollover Designation | Yes |
| Legacy Reference | Designation 77, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8886 Waiake Substation**

| | |
|----------------------|---|
| Designation Number | 8886 |
| Requiring Authority | Vector Ltd |
| Location | 53 Carlisle Road, Browns Bay |
| Rollover Designation | Yes |
| Legacy Reference | Designation 79, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8887 Forrest Hill Substation**

| | |
|----------------------|---|
| Designation Number | 8887 |
| Requiring Authority | Vector Ltd |
| Location | 248A East Coast Road, Forrest Hill |
| Rollover Designation | Yes |
| Legacy Reference | Designation 80, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8888 Takapuna Substation**

| | |
|----------------------|---|
| Designation Number | 8888 |
| Requiring Authority | Vector Ltd |
| Location | 29 Huron Street, Takapuna |
| Rollover Designation | Yes |
| Legacy Reference | Designation 81, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8890 Wellsford Substation**

| | |
|----------------------|---|
| Designation Number | 8890 |
| Requiring Authority | Vector Ltd |
| Location | 1423 State Highway 1, Wellsford |
| Rollover Designation | Yes |
| Legacy Reference | Designation 602, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8892 Warkworth Substation**

| | |
|----------------------|---|
| Designation Number | 8892 |
| Requiring Authority | Vector Ltd |
| Location | Matakana Road (Pt Allot 37 SO 1150), Warkworth |
| Rollover Designation | Yes |
| Legacy Reference | Designation 604, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8893 Snells Beach Substation**

| | |
|----------------------|---|
| Designation Number | 8893 |
| Requiring Authority | Vector Ltd |
| Location | 23 Dawson Road, Snells Beach |
| Rollover Designation | Yes |
| Legacy Reference | Designation 605, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8894 Orewa Substation**

| | |
|----------------------|---|
| Designation Number | 8894 |
| Requiring Authority | Vector Ltd |
| Location | 140 West Hoe Heights, Orewa |
| Rollover Designation | Yes |
| Legacy Reference | Designation 606, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8895 Spur Road Substation**

| | |
|----------------------|---|
| Designation Number | 8895 |
| Requiring Authority | Vector Ltd |
| Location | East Coast Road (Pt Allot 207 SO 40267), Silverdale |
| Rollover Designation | Yes |
| Legacy Reference | Designation 607, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8896 Manly Substation**

| | |
|----------------------|---|
| Designation Number | 8896 |
| Requiring Authority | Vector Ltd |
| Location | 42-44 Homestead Road, Manly |
| Rollover Designation | Yes |
| Legacy Reference | Designation 608, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8899 Horseshoe Bush Substation**

| | |
|----------------------|---|
| Designation Number | 8899 |
| Requiring Authority | Vector Ltd |
| Location | Horseshoe Bush Road (Pt Allot 141 SO 46462), Dairy Flat |
| Rollover Designation | Yes |
| Legacy Reference | Designation 611, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8900 Coatesville Substation**

| | |
|----------------------|---|
| Designation Number | 8900 |
| Requiring Authority | Vector Ltd |
| Location | Glenmore Road (Pt Allot 619 SO 47367), Coatesville |
| Rollover Designation | Yes |
| Legacy Reference | Designation 612, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS » Schedules and Designations » Vector Ltd»**8901 Waimauku Substation**

| | |
|----------------------|---|
| Designation Number | 8901 |
| Requiring Authority | Vector Ltd |
| Location | 1 Factory Road, Waimauku |
| Rollover Designation | Yes |
| Legacy Reference | Designation 613, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8902 Riverhead Substation**

| | |
|----------------------|---|
| Designation Number | 8902 |
| Requiring Authority | Vector Ltd |
| Location | Riverhead Road (Lot 2 DP 152051), Riverhead |
| Rollover Designation | Yes |
| Legacy Reference | Designation 614, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd»**8904 Communications Hut (Radio)**

| | |
|----------------------|---|
| Designation Number | 8904 |
| Requiring Authority | Vector Ltd |
| Location | 505 and 509A Dairy Flat Highway (State Highway 17), Lucas Heights |
| Rollover Designation | Yes |
| Legacy Reference | Designation 83, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Communications hut (radio).

Conditions

No conditions.

Attachments

No attachments.

APPENDIX TWO

CORRECTED DESIGNATIONS

Each Designation in **Appendix Two** is included first in mark-up, then in clean format.

In relation to the marked up versions, the Council's text contained in Chapter K has been marked up as follows:

Green ~~striketrough~~ and underline: minor correction and edits.

Orange ~~striketrough~~ and underline: amendments agreed with submitters, the Council and/or the independent planner reporting on the designations.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [MARK-UP]**8805 Boundary Road Flat Bush Substation**

| | |
|----------------------|--|
| Designation Number | 8805 |
| Requiring Authority | Vector Ltd |
| Location | 142 Boundary Road, Otara |
| Rollover Designation | Yes |
| Legacy Reference | Designation 133, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | 31 August 2027 10 years from being operative in the Unitary Plan unless given effect to prior |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [CLEAN]**8805 Boundary Road Substation**

| | |
|----------------------|--|
| Designation Number | 8805 |
| Requiring Authority | Vector Ltd |
| Location | 142 Boundary Road, Otara |
| Rollover Designation | Yes |
| Legacy Reference | Designation 133, Auckland Council District Plan (Manukau Section) 2002 |
| Lapse Date | 31 August 2027 |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [MARK-UP]**8840 Liverpool Substation**

| | |
|----------------------|---|
| Designation Number | 8840 |
| Requiring Authority | Vector Ltd |
| Location | 21-29 Liverpool Street, Auckland Central |
| Rollover Designation | Yes |
| Legacy Reference | Designation 286, Auckland Council District Plan (Central Area Section) 2005 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation) ~~purposes~~.

Conditions

1. The work shall be undertaken in general accordance with Plans Ref.58201 A055, dated 21.08.97, and A130 and A131 dated July 97. No outline plan shall be required under Section 176A of the Resource Management Act 1991 for work undertaken in general accordance with these Plans.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [CLEAN]**8840 Liverpool Substation**

| | |
|----------------------|---|
| Designation Number | 8840 |
| Requiring Authority | Vector Ltd |
| Location | 21-29 Liverpool Street, Auckland Central |
| Rollover Designation | Yes |
| Legacy Reference | Designation 286, Auckland Council District Plan (Central Area Section) 2005 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. The work shall be undertaken in general accordance with Plans Ref.58201 A055, dated 21.08.97, and A130 and A131 dated July 97. No outline plan shall be required under Section 176A of the Resource Management Act 1991 for work undertaken in general accordance with these Plans.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [MARK-UP]**8843 Glenvar Substation**

| | |
|----------------------|--|
| Designation Number | 8843 |
| Requiring Authority | Vector Ltd |
| Location | 375 Glenvar Road, Torbay |
| Rollover Designation | Yes |
| Legacy Reference | Designation 185, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | 31 August 2022 14 August 2019 or five years from being operative in the Unitary Plan, whichever is the latter unless given effect to prior |

Purpose

Electricity works (substation).

Conditions

- i. That the scope and extent of the works within the designated area be in accordance with the Notice of Requirement for a Designation dated 12 March 2009; and in accordance with the approved designation conditions.
- ii. Any proposal which would breach the conditions will require either an alteration to the designation in order to specifically alter the condition to which it is subject (section 181 of the Resource Management Act 1991), or will be considered in terms of the [District Unitary Plan](#)'s underlying zoning provisions (section 176(2) of the Act).

1. General

- a. That pursuant to Section 184 of the Resource Management Act 1991, this designation SHALL LAPSE 10 years after the granting of this consent unless given effect to before that date, or an extension is given in terms of Section 184(2)(b).
- b. The electricity substation shall be constructed in general accordance with the Notice of Requirement by Vector Limited for a designation for a "Substation – Glenvar Road, dated 12 March 2009 at 375 Glenvar Road, Torbay being Allotment 320 Parish of Okura. This includes the following plans prepared by Vector Limited: Drawing number 4259-8002 - Revision G Sheet 1 dated 06 March 09 Drawing number 4259-8004 - Revision E Sheet 1 dated 06 March 09 Drawing number 4259-0020 - Revision D Sheet 1 dated 06 March 09 Drawing number 4259-0020a- Revision B Sheet 1 dated 06 March 09 Drawing number 4259-8010 - Revision C Sheet 1 dated 06 March 09 Drawing number 4259-8003 - Revision E sheet 1 dated 23 June 2009

2. Outline Plan

- a. If either the final design and layout of the substation does not reflect the design and layout submitted with the Notice of Requirement or if there are any future additional works proposed that are not permitted by the [District Unitary Plan](#), an Outline Plan shall be submitted in accordance with Section 176A of the Resource Management Act, 1991 before any construction is commenced. However, where the future additional work is in accordance with the Notice of Requirement or is permitted by the [District Unitary Plan](#), then the requirement for an Outline Plan is waived under s176A(2).

3. Building Height, Bulk and Location

The development of any further buildings or structures on the site shall comply with the following development controls:

- a. Fences: Security fencing is not to exceed a maximum height of 2 metres;
- b. Minimum Distance of Buildings from Designation Boundaries: 5 metres;
- c. Maximum Building Height: 8 metres; and
- d. Height in Relation to Boundary: No part of any building is to exceed a height equal to 2.5 metres plus the shortest horizontal distance between that part of the building and the designation boundary.

4. Noise

- a. Operational noise (including noise from mechanical ventilation systems) from the substation shall not exceed the following levels:

| Maximum Permitted Noise Levels | | | | |
|--|---|---|---|------------------------|
| | Mon-Sat Inclusive 0700hrs - 2000hrs | Mon-Sat Inclusive 2000hrs - 2300hrs | Public Holidays 0700hrs - 2400hrs | All Other Times |
| As measured at any residential zone boundary and any residential site boundary in the rural zone | 50 dBA L10 | 45 dBA L10 | 45 dBA L10 | 40 dBA L10 75 dBA Lmax |

Note:

Noise levels specified in this table shall be measured and assessed in accordance with the requirements in NZS 6801:2008: 'Measurement of Sound' and NZS 6802:2008: 'Assessment of Environmental Sound'. The noise shall be measured with a sound level meter complying with the international standard Sound Level Meters, Type 1.

- b. Noise from construction activities shall not exceed the limits recommended in and shall be measured and assessed in accordance with, the new Zealand Standard NZS 6803:1999, Acoustics – Construction Noise.

5. Tree Protection and Landscaping

- a. During the period of site development works relating to this proposal, there shall be no disturbance or removal of any vegetation outside of the affected construction area except as shown on the landscaping plan prepared Vector Drawing No: 4259-8003 Revision E sheet 1 dated 23 June 2009.
- b. Prior to the commencement of any works on the subject site (including site preparation and clearance activities) tree protection fencing (fit for the purpose of excluding construction activity) shall be erected around all retained trees under the supervision of a qualified arborist.
- c. Within the current or next planning season (i.e. autumn to spring) immediately following completion of all construction works relating to this proposal, the Requiring Authority shall

implement the landscaping of the site as shown on the landscaping plan prepared by Vector Drawing number 4259-8003 - Revision E sheet 1 dated 23 June 2009.

- d. The growth and development of the newly planted landscape plants shall be monitored for FIVE years following completion of planting of those plants. It shall be the responsibility of the Requiring Authority to ensure that any new plantings that die or decline, to a point that in the opinion of the Council's Monitoring Officer are of no value, at any time over the next FIVE years following the initial planting, shall be replaced. The replacement plants shall be of the same species, grade and size as shown on the landscaping plan prepared by Vector Drawing No: 4259-8003 Revision E sheet 1 dated 23 June 2009 and planted no later than the following planting season (i.e. autumn to spring), following instruction to do so by Council.

6. Earthworks, Erosion and Sediment Control and Dust and Noise

- a. The Requiring Authority shall comply with the approved Erosion and Sediment Control Plan prepared by Vector Limited dwg: 4259-8009 – Rev D sheet 1 of 1 to Councils satisfaction.
- b. The Requiring Authority shall ensure all necessary measures indicated in the Plan approved by Council and as outlined in report prepared by SKM dated 15 October 2008 referenced ZP00017 are implemented.
- c. A certificate of establishment shall be submitted to Council prior to the commencement of any construction works confirming that all necessary measures proposed in the approved Erosion and Sediment Control Plan are implemented.
- d. All personnel working on the site shall be made aware of the 'Erosion and Sediment Control Plan' and its requirements. The approved 'Erosion and Sediment Control Plan' shall be kept on site for inspection by Council's Compliance Officer.
- e. The Requiring Authority shall institute appropriate measures to control or mitigate any potential dust nuisance. All such measures initiated shall be maintained throughout the entire duration of the construction period.
- f. The Requiring Authority shall implement, to the satisfaction of Council's Development Engineer, suitable measures to prevent depositing of earth on surrounding streets by trucks moving fill and other materials to and from the site. In the event that any material is deposited on the street, the Requiring Authority shall take immediate action, at their expense, to clean the street. The loading of earth, fill and other materials shall be confined to the subject site.
- g. The Requiring Authority shall engage a qualified professional engineering consultant to observe bulk earthworks and construction of any temporary or permanent works associated with the establishment of excavated or filled areas or building platforms or protecting the land. Work methodologies shall be in accordance with the recommendations outlined in the Notice of Requirement or as amended by the engineer.
- h. The engineer shall be engaged so that he is able to direct the contractor as may be required. The construction monitoring service shall be at a level not less onerous than CM4 as defined by the IPENZ.

7. Geotechnical

- a. All development on the site shall be designed and undertaken in accordance with the recommendations and limitations of the geotechnical report reference number ZP00017-RPT-GT-1.

8. Stormwater

- a. The detailed design of the stormwater management system for the site shall be designed and constructed to the satisfaction of the Council and shall be in accordance with the report and supporting plans and documents prepared by SKM titled Glenvar Road substation – Erosion/Sediment Control Plan & Stormwater Connection / Mitigation Details dated 15 October 2008 referenced ZP00017.

9. Traffic

- a. A Traffic Management Plan shall be prepared and submitted to the Auckland Council prior to the commencement to the construction of the substation.
- b. That the vehicle access, parking and manoeuvring areas be formed and surfaced to the Council's satisfaction.
- c. That a new vehicle crossing shall be designed and constructed to commercial vehicle crossing standard in accordance with the Council's Infrastructure Design Standards to Council's satisfaction, having first obtained a Road Opening Notice.

10. Lighting

- a. At no time between the hours 2200 and 0700 shall any outdoor lighting be used in a manner that the use of such lighting causes an added illuminance in excess of 20 lux measured horizontally or vertically at any point along any boundary of any adjoining site which is zoned Residential (and outside the designated area).
- b. All outdoor lighting shall be shielded in such a manner that light emitted by the fixture is projected below a horizontal plane running through the lowest point in the fixture where that light is emitted, or is shielded in such a manner that the lowest edge of the shield is at or below the centre line of the light source.

11. Services

- a. That all services, including power supply to and output from, the substation be underground.

12. Electricity Supply and Distribution Statues and Regulations

- a. The installation shall at all times not exceed the reference levels for public exposure to 50 Hz electric and magnetic fields set out in the International Commission on Non-Ionising Radiation Protection (ICNIRP) at all times: electric field strength: 5 kV/m and magnetic flux density: 100 microtesla.
- b. The Requiring Authority shall engage an electrical engineer to carry out measurement of the electric and magnetic fields emitting from this substation to confirm the compliance with the ICNIRP guidelines. An engineer's report with measurement results shall be provided to Council within two months of the substation commencing operation and within two months of the commencement of operation of the second transformer.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [CLEAN]**8843 Glenvar Substation**

| | |
|----------------------|--|
| Designation Number | 8843 |
| Requiring Authority | Vector Ltd |
| Location | 375 Glenvar Road, Torbay |
| Rollover Designation | Yes |
| Legacy Reference | Designation 185, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | 31 August 2022 |

Purpose

Electricity works (substation).

Conditions

- i. That the scope and extent of the works within the designated area be in accordance with the Notice of Requirement for a Designation dated 12 March 2009; and in accordance with the approved designation conditions.
- ii. Any proposal which would breach the conditions will require either an alteration to the designation in order to specifically alter the condition to which it is subject (section 181 of the Resource Management Act 1991), or will be considered in terms of the Unitary_Plan's underlying zoning provisions (section 176(2) of the Act).

1. General

- a. That pursuant to Section 184 of the Resource Management Act 1991, this designation SHALL LAPSE 10 years after the granting of this consent unless given effect to before that date, or an extension is given in terms of Section 184(2)(b).
- b. The electricity substation shall be constructed in general accordance with the Notice of Requirement by Vector Limited for a designation for a "Substation – Glenvar Road, dated 12 March 2009 at 375 Glenvar Road, Torbay being Allotment 320 Parish of Okura. This includes the following plans prepared by Vector Limited: Drawing number 4259-8002 - Revision G Sheet 1 dated 06 March 09 Drawing number 4259-8004 - Revision E Sheet 1 dated 06 March 09 Drawing number 4259-0020 - Revision D Sheet 1 dated 06 March 09 Drawing number 4259-0020a- Revision B Sheet 1 dated 06 March 09 Drawing number 4259-8010 - Revision C Sheet 1 dated 06 March 09 Drawing number 4259-8003 - Revision E sheet 1 dated 23 June 2009

2. Outline Plan

- a. If either the final design and layout of the substation does not reflect the design and layout submitted with the Notice of Requirement or if there are any future additional works proposed that are not permitted by the Unitary Plan, an Outline Plan shall be submitted in accordance with Section 176A of the Resource Management Act, 1991 before any construction is commenced. However, where the future additional work is in accordance with the Notice of Requirement or is permitted by the Unitary Plan, then the requirement for an Outline Plan is waived under s176A(2).

3. Building Height, Bulk and Location

The development of any further buildings or structures on the site shall comply with the following development controls:

- a. Fences: Security fencing is not to exceed a maximum height of 2 metres;
- b. Minimum Distance of Buildings from Designation Boundaries: 5 metres;
- c. Maximum Building Height: 8 metres; and
- d. Height in Relation to Boundary: No part of any building is to exceed a height equal to 2.5 metres plus the shortest horizontal distance between that part of the building and the designation boundary.

4. Noise

- a. Operational noise (including noise from mechanical ventilation systems) from the substation shall not exceed the following levels:

| Maximum Permitted Noise Levels | | | | |
|--|--|--|--|------------------------|
| | Mon-Sat Inclusive 0700hrs - 2000hrs | Mon-Sat Inclusive 2000hrs - 2300hrs | Public Holidays 0700hrs - 2400hrs | All Other Times |
| As measured at any residential zone boundary and any residential site boundary in the rural zone | 50 dBA L10 | 45 dBA L10 | 45 dBA L10 | 40 dBA L10 75 dBA Lmax |

Note:

Noise levels specified in this table shall be measured and assessed in accordance with the requirements in NZS 6801:2008: 'Measurement of Sound' and NZS 6802:2008: 'Assessment of Environmental Sound'. The noise shall be measured with a sound level meter complying with the international standard Sound Level Meters, Type 1.

- b. Noise from construction activities shall not exceed the limits recommended in and shall be measured and assessed in accordance with, the new Zealand Standard NZS 6803:1999, Acoustics – Construction Noise.

5. Tree Protection and Landscaping

- a. During the period of site development works relating to this proposal, there shall be no disturbance or removal of any vegetation outside of the affected construction area except as shown on the landscaping plan prepared Vector Drawing No: 4259-8003 Revision E sheet 1 dated 23 June 2009.
- b. Prior to the commencement of any works on the subject site (including site preparation and clearance activities) tree protection fencing (fit for the purpose of excluding construction activity) shall be erected around all retained trees under the supervision of a qualified arborist.
- c. Within the current or next planning season (i.e. autumn to spring) immediately following completion of all construction works relating to this proposal, the Requiring Authority shall implement the landscaping of the site as shown on the landscaping plan prepared by Vector Drawing number 4259-8003 - Revision E sheet 1 dated 23 June 2009.

- d. The growth and development of the newly planted landscape plants shall be monitored for FIVE years following completion of planting of those plants. It shall be the responsibility of the Requiring Authority to ensure that any new plantings that die or decline, to a point that in the opinion of the Council's Monitoring Officer are of no value, at any time over the next FIVE years following the initial planting, shall be replaced. The replacement plants shall be of the same species, grade and size as shown on the landscaping plan prepared by Vector Drawing No: 4259-8003 Revision E sheet 1 dated 23 June 2009 and planted no later than the following planting season (i.e. autumn to spring), following instruction to do so by Council.

6. Earthworks, Erosion and Sediment Control and Dust and Noise

- a. The Requiring Authority shall comply with the approved Erosion and Sediment Control Plan prepared by Vector Limited dwg: 4259-8009 – Rev D sheet 1 of 1 to Councils satisfaction.
- b. The Requiring Authority shall ensure all necessary measures indicated in the Plan approved by Council and as outlined in report prepared by SKM dated 15 October 2008 referenced ZP00017 are implemented.
- c. A certificate of establishment shall be submitted to Council prior to the commencement of any construction works confirming that all necessary measures proposed in the approved Erosion and Sediment Control Plan are implemented.
- d. All personnel working on the site shall be made aware of the 'Erosion and Sediment Control Plan' and its requirements. The approved 'Erosion and Sediment Control Plan' shall be kept on site for inspection by Council's Compliance Officer.
- e. The Requiring Authority shall institute appropriate measures to control or mitigate any potential dust nuisance. All such measures initiated shall be maintained throughout the entire duration of the construction period.
- f. The Requiring Authority shall implement, to the satisfaction of Council's Development Engineer, suitable measures to prevent depositing of earth on surrounding streets by trucks moving fill and other materials to and from the site. In the event that any material is deposited on the street, the Requiring Authority shall take immediate action, at their expense, to clean the street. The loading of earth, fill and other materials shall be confined to the subject site.
- g. The Requiring Authority shall engage a qualified professional engineering consultant to observe bulk earthworks and construction of any temporary or permanent works associated with the establishment of excavated or filled areas or building platforms or protecting the land. Work methodologies shall be in accordance with the recommendations outlined in the Notice of Requirement or as amended by the engineer.
- h. The engineer shall be engaged so that he is able to direct the contractor as may be required. The construction monitoring service shall be at a level not less onerous than CM4 as defined by the IPENZ.

7. Geotechnical

- a. All development on the site shall be designed and undertaken in accordance with the recommendations and limitations of the geotechnical report reference number ZP00017-RPT-GT-1.

8. Stormwater

- a. The detailed design of the stormwater management system for the site shall be designed and constructed to the satisfaction of the Council and shall be in accordance with the

report and supporting plans and documents prepared by SKM titled Glenvar Road substation – Erosion/Sediment Control Plan & Stormwater Connection / Mitigation Details dated 15 October 2008 referenced ZP00017.

9. Traffic

- a. A Traffic Management Plan shall be prepared and submitted to the Auckland Council prior to the commencement to the construction of the substation.
- b. That the vehicle access, parking and manoeuvring areas be formed and surfaced to the Council's satisfaction.
- c. That a new vehicle crossing shall be designed and constructed to commercial vehicle crossing standard in accordance with the Council's Infrastructure Design Standards to Council's satisfaction, having first obtained a Road Opening Notice.

10. Lighting

- a. At no time between the hours 2200 and 0700 shall any outdoor lighting be used in a manner that the use of such lighting causes an added illuminance in excess of 20 lux measured horizontally or vertically at any point along any boundary of any adjoining site which is zoned Residential (and outside the designated area).
- b. All outdoor lighting shall be shielded in such a manner that light emitted by the fixture is projected below a horizontal plane running through the lowest point in the fixture where that light is emitted, or is shielded in such a manner that the lowest edge of the shield is at or below the centre line of the light source.

11. Services

- a. That all services, including power supply to and output from, the substation be underground.

12. Electricity Supply and Distribution Statues and Regulations

- a. The installation shall at all times not exceed the reference levels for public exposure to 50 Hz electric and magnetic fields set out in the International Commission on Non-Ionising Radiation Protection (ICNIRP) at all times: electric field strength: 5 kV/m and magnetic flux density: 100 microtesla.
- b. The Requiring Authority shall engage an electrical engineer to carry out measurement of the electric and magnetic fields emitting from this substation to confirm the compliance with the ICNIRP guidelines. An engineer's report with measurement results shall be provided to Council within two months of the substation commencing operation and within two months of the commencement of operation of the second transformer.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [MARK-UP]**8851 Titirangi Substation**

| | |
|----------------------|--|
| Designation Number | 8851 |
| Requiring Authority | Vector Ltd |
| Location | 515 South Titirangi Road, Titirangi |
| Rollover Designation | Yes |
| Legacy Reference | Designation V16, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | 31 August 2022 Five years from being operative in the Unitary Plan unless given effect to prior |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [CLEAN]**8851 Titirangi Substation**

| | |
|----------------------|--|
| Designation Number | 8851 |
| Requiring Authority | Vector Ltd |
| Location | 515 South Titirangi Road, Titirangi |
| Rollover Designation | Yes |
| Legacy Reference | Designation V16, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | 31 August 2022 |

Purpose

Electricity works (substation).

Conditions

1. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

2. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Note:

That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [MARK-UP]**8865 Kaukapakapa Substation**

| | |
|----------------------|---|
| Designation Number | 8865 |
| Requiring Authority | Vector Ltd |
| Location | 1 Wyn Close, Kaukapakapa |
| Rollover Designation | Yes |
| Legacy Reference | Designation 616, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | 29 July 2021 |

Description

Electricity works (substation).

Conditions**General**

1. The activity shall proceed in general accordance with the Notice of Requirement submitted to Council dated March 2009 and plans drawn by Construkt Architects Limited numbered 202, 401 and 402 (all dated July 2009), provided that the colours shall be as set out below (or their current equivalent if those colours are no longer manufactured):
 - i. Roof - Colorsteel "karaka";
 - ii. Base panels, steel doors, and timber work - Resene "karaka"; and
 - iii. Balance wall panels - Resene "double ash".

Provided further that no element of the proposed substation building shall exceed the 9m height limit above existing ground level and the height in relation to boundary control on the eastern boundary shall not be infringed.

Outline Plan

2. If either the final design and layout of the substation does not reflect the design and layout submitted with the Notice of Requirement, or if there are any future additional works proposed that are not permitted by the [District Unitary Plan](#), an outline plan shall be submitted in accordance with section 176A of the Resource Management Act 1991 to the Auckland Council, before any construction is commenced. However, where the future additional work is in accordance with the Notice of Requirement or is permitted by the [District Unitary Plan](#), then the requirement for an Outline Plan is waived under section 176A(2).

Landscape Plan

3. The landscaping plan (Isthmus Group Ltd, Job No. 2658 Figure 5, dated March 2009) shown in Appendix 15Z(i), shall be implemented during the first planting season after the construction of the substation. (Provided that the 15 phormium tenax (flax) along the eastern boundary shown on that landscape plan shall be replaced with griselinia littoralis.) The landscaping shall be maintained thereafter for the term of the designation.

Boundary Planting

4. The boundary planting comprising both the new planting and the existing planting, and which occupies the area shown on the Covenant Plan (dated July 2009), shall be retained on site for the period which the site is occupied by the substation provided that this condition shall not prevent cables or other services (including stormwater) that may need to be installed across the covenanted area.

Notwithstanding condition 3, the new boundary planting identified in the landscaping plan shall be planted within the first planting season after the designation is incorporated into the Auckland Unitary Plan and shall thereafter be maintained for the duration of the designation.

Arborist Supervision

5. An independent suitably qualified arborist is required to be onsite to supervise the earthworks associated with any works which may affect the driplines and root systems of the boundary trees. Any boundary trees that die as a result of the earthworks will be immediately replaced, in accordance with condition 4 above.

Arborist Work

6. Any alteration to vegetation on the site shall be undertaken in accordance with the report prepared by Nigel Clough of Tree Solutions dated 01 June 2009. This includes:
 - a. The proposed works hereby approved shall proceed in strict accordance with the details set out in the description of works attached to this consent along with any recommendations noted.
 - b. The removal of the subject vegetation shall be undertaken by a suitably qualified arborist, using currently accepted arboricultural dismantling methods and practices, in a manner so as to cause no damage to other vegetation on the site.
 - c. That the trimming of the boundary vegetation shall be undertaken by a suitably qualified arborist, using currently accepted arboricultural pruning methods and standards.
 - d. That the trimming of the boundary vegetation be undertaken prior to the commencement of development works on site.
 - e. That no more of the canopy of boundary vegetation be removed than is necessary to accommodate the proposed substation and allow an unimpeded work space.
 - f. That suitable fencing is erected around all vegetation prior to the commencement of works on the site.
 - g. The protective fencing is to remain in place until the completion of works on the site.
 - h. That Council is informed as to when the proposed planting works have been completed.

Stormwater

7. Provide onsite detention to limit post development flows to pre development flows in the 1 in 10 year storm events. Details of the design and management of any stormwater infrastructure required shall be prepared and shall be submitted to the Council at least 3 months prior to commencement of construction of the substation.

Fencing

8. The applicant shall construct a post and batten fence matching the existing fence around the perimeter of the substation site (which will be gated) prior to the substation becoming operational.

Traffic Management Plan

9. Prior to any construction being undertaken, a temporary Traffic Management Plan shall be submitted to the Council and be approved by the Team Leader Resource consents in consultation with the Road Controlling Authority (i.e. Auckland Transport), should any on-street loading or reversing of trucks onto the road be required.

Access

10. The following measures shall be implemented prior to the operation of the substation:
- a. Driveway, access and parking/loading area to be constructed to a best practice standard; and
 - b. A turning area of a permeable surfacing to reduce stormwater runoff shall be provided to allow vehicles to perform a 1800 turn to avoid reversing onto the street.

Operation Noise

11. The noise level (L10) as measured within the boundary of any other site should not exceed the following limits:

| | |
|--|-------|
| Mon to Friday: 0700-1800 hours | 45dBA |
| At all other times including public holidays | 40dBA |

The noise level shall be measured in accordance with the requirements of NZS6801:2008 Measurement of Sound and assessed in accordance with the requirements of NZS6802:2008 Assessment of Environmental Sound.

12. (construction noise) Construction activity on the site shall only occur between the following hours:
- a. Monday to Friday 7:00am to 7:00pm; and
 - b. Saturday 8:00am to 1:00pm.

All construction noise shall comply with and be measured and assessed in accordance with, NZS6803:1999, Acoustics — Construction Noise.

13. (archaeological) If any artefact, including human remains is exposed during any site works the following procedures shall apply:
- a. Immediately when an artefact is unearthed, all site works shall cease;
 - b. The site supervisor shall immediately secure the area in a way that ensures any artefacts or remains are untouched; and
 - c. The site supervisor shall notify the following groups that an archaeological site has been unearthed, so that appropriate action can be taken:
 - i. Tangata whenua;

- ii. The New Zealand Historic Places Trust;
- iii. The Department of Conservation;
- iv. The Council's RMA Compliance Administration Officer (telephone 0800426 5169); and
- v. In the case of human remains the police.

Electric Magnetic Field Measurements

- 14. The installation shall at all times not exceed the reference levels for public exposure to 50 Hz electric and magnetic fields set out in the International Commission on Non-Ionising Radiation Protection (ICNIRP): electric field strength: 5 kV/m and magnetic flux density: 100 microtesla.

Electric Magnetic Field Measurements

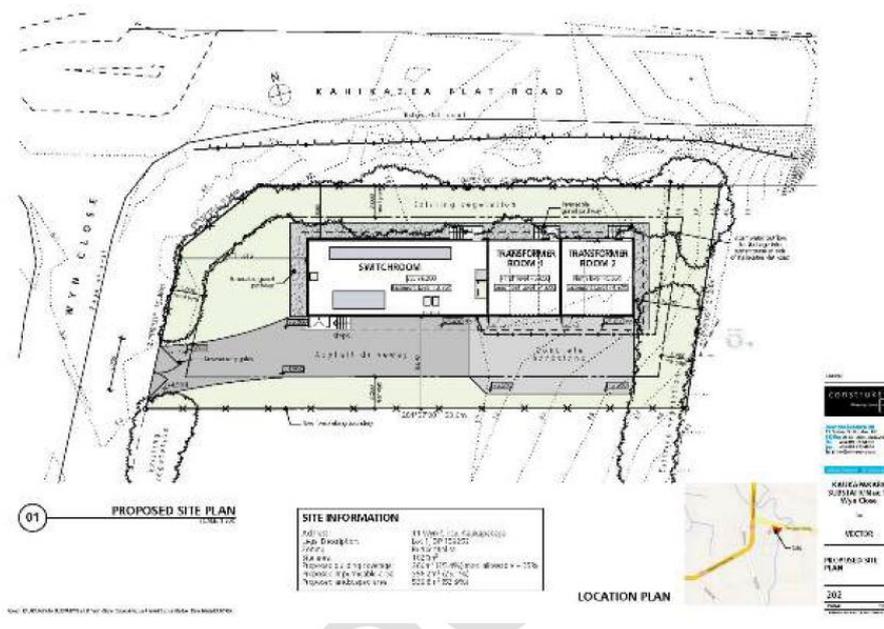
- 15. The Requiring Authority shall engage a suitably qualified person to carry out measurement of the electric and magnetic fields emitting from this substation to confirm the compliance with the ICNIRP guidelines in effect at the time the substation is constructed. A report with measurement results shall be provided to Council within two months of the substation commencing operation and again within two months of the commencement of operation of the second transformer. The measurement results will be made available for viewing by the public.

Lapse of Designation

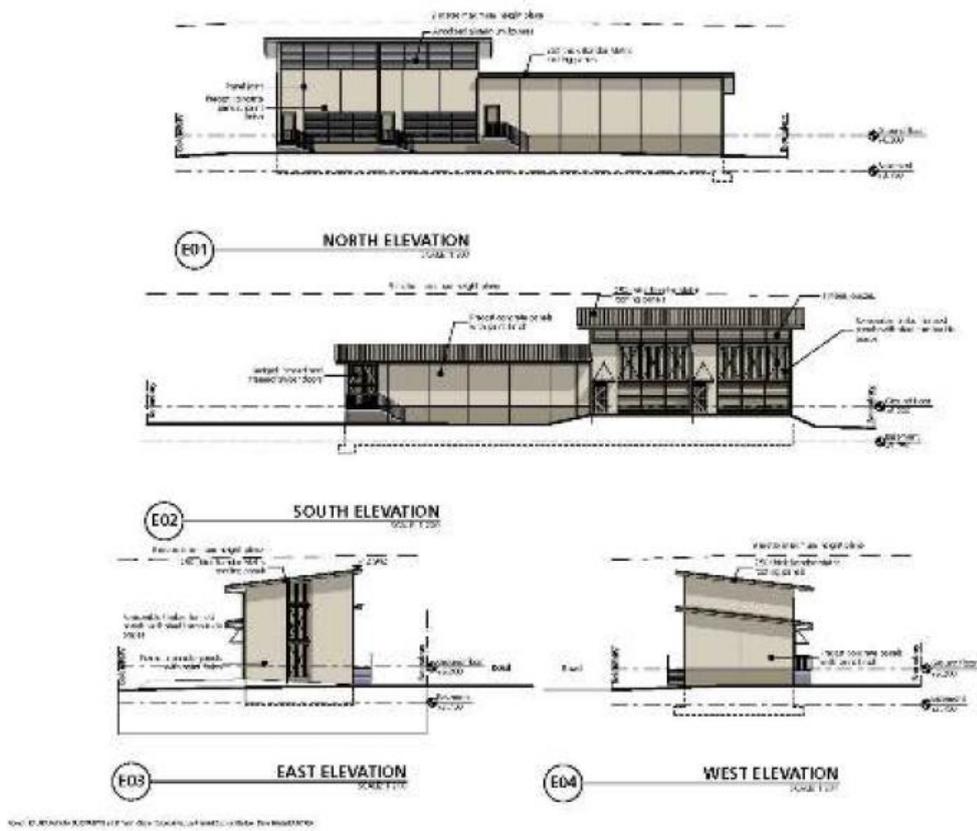
- 16. This designation shall lapse 10 years from the date it has been confirmed.

Attachments

Site Plan



Building Elevations



CONSISTEC

PROJEKTOWANIE I WYKONANIE PRAC PROJEKTYWNO-KONSTRUKCYJNYCH I WYKONANIE PRAC REMONTOWYCH

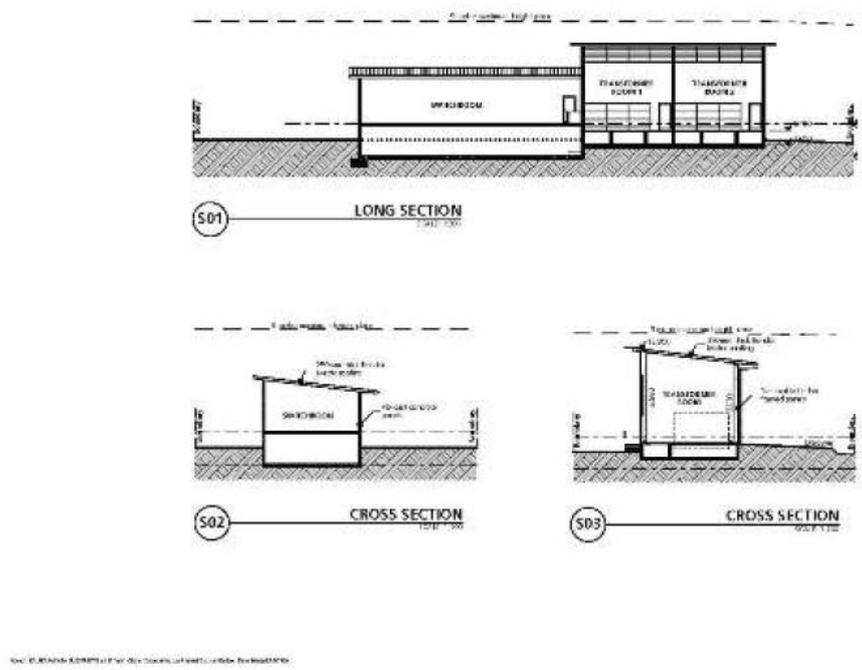
KALIGANOWSKA
SUSTAL'SKA 11
52-100 Opatów

VEKTOR

BIURO
UL. WAP. 45

401

Building Sections



CONSISTEC

PROJEKTOWANIE I WYKONANIE PRAC PROJEKTYWNO-KONSTRUKCYJNYCH I WYKONANIE PRAC REMONTOWYCH

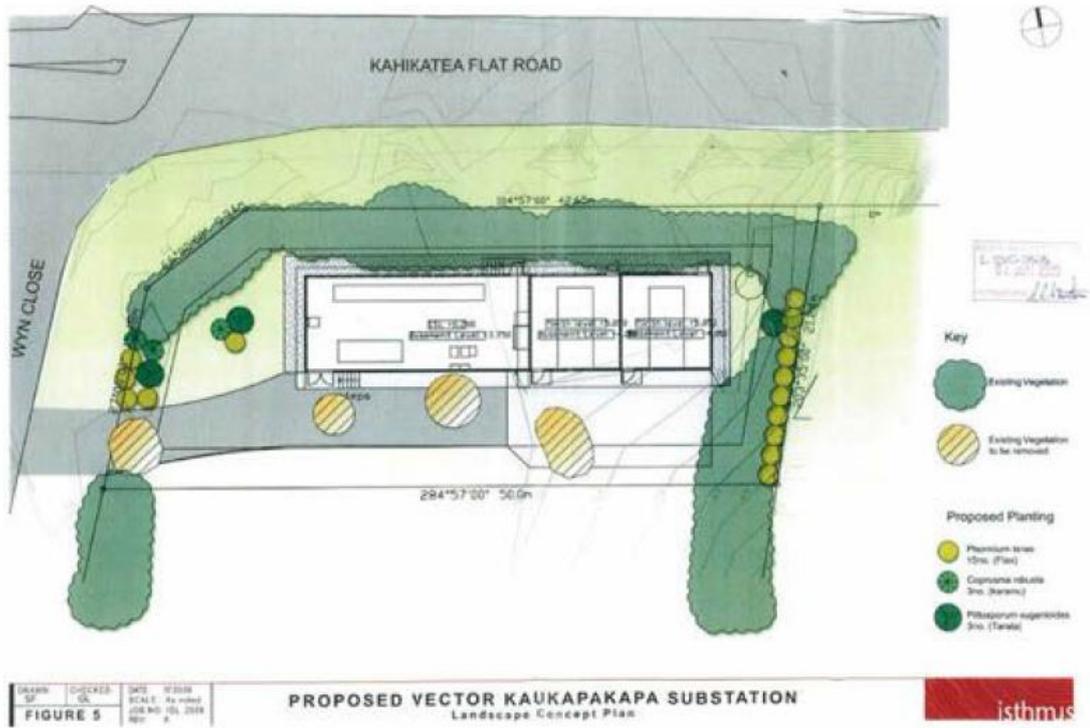
KALIGANOWSKA
SUSTAL'SKA 11
52-100 Opatów

VEKTOR

BIURO
UL. WAP. 45

402

Landscape Concept Plan



PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [CLEAN]**8865 Kaukapakapa Substation**

| | |
|----------------------|---|
| Designation Number | 8865 |
| Requiring Authority | Vector Ltd |
| Location | 1 Wyn Close, Kaukapakapa |
| Rollover Designation | Yes |
| Legacy Reference | Designation 616, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | 29 July 2021 |

Description

Electricity works (substation).

Conditions**General**

1. The activity shall proceed in general accordance with the Notice of Requirement submitted to Council dated March 2009 and plans drawn by Construkt Architects Limited numbered 202, 401 and 402 (all dated July 2009), provided that the colours shall be as set out below (or their current equivalent if those colours are no longer manufactured):
 - i. Roof - Colorsteel "karaka";
 - ii. Base panels, steel doors, and timber work - Resene "karaka"; and
 - iii. Balance wall panels - Resene "double ash".

Provided further that no element of the proposed substation building shall exceed the 9m height limit above existing ground level and the height in relation to boundary control on the eastern boundary shall not be infringed.

Outline Plan

2. If either the final design and layout of the substation does not reflect the design and layout submitted with the Notice of Requirement, or if there are any future additional works proposed that are not permitted by the Unitary Plan, an outline plan shall be submitted in accordance with section 176A of the Resource Management Act 1991 to the Auckland Council, before any construction is commenced. However, where the future additional work is in accordance with the Notice of Requirement or is permitted by the Unitary Plan, then the requirement for an Outline Plan is waived under section 176A(2).

Landscape Plan

3. The landscaping plan (Isthmus Group Ltd, Job No. 2658 Figure 5, dated March 2009) shown in Appendix 15Z(i), shall be implemented during the first planting season after the construction of the substation. (Provided that the 15 phormium tenax (flax) along the eastern boundary shown on that landscape plan shall be replaced with griselinia littoralis.) The landscaping shall be maintained thereafter for the term of the designation.

Boundary Planting

4. The boundary planting comprising both the new planting and the existing planting, and which occupies the area shown on the Covenant Plan (dated July 2009), shall be retained on site for the period which the site is occupied by the substation provided that this condition shall not prevent cables or other services (including stormwater) that may need to be installed across the covenanted area.

Notwithstanding condition 3, the new boundary planting identified in the landscaping plan shall be planted within the first planting season after the designation is incorporated into the Auckland Unitary Plan and shall thereafter be maintained for the duration of the designation.

Arborist Supervision

5. An independent suitably qualified arborist is required to be onsite to supervise the earthworks associated with any works which may affect the driplines and root systems of the boundary trees. Any boundary trees that die as a result of the earthworks will be immediately replaced, in accordance with condition 4 above.

Arborist Work

6. Any alteration to vegetation on the site shall be undertaken in accordance with the report prepared by Nigel Clough of Tree Solutions dated 01 June 2009. This includes:
 - a. The proposed works hereby approved shall proceed in strict accordance with the details set out in the description of works attached to this consent along with any recommendations noted.
 - b. The removal of the subject vegetation shall be undertaken by a suitably qualified arborist, using currently accepted arboricultural dismantling methods and practices, in a manner so as to cause no damage to other vegetation on the site.
 - c. That the trimming of the boundary vegetation shall be undertaken by a suitably qualified arborist, using currently accepted arboricultural pruning methods and standards.
 - d. That the trimming of the boundary vegetation be undertaken prior to the commencement of development works on site.
 - e. That no more of the canopy of boundary vegetation be removed than is necessary to accommodate the proposed substation and allow an unimpeded work space.
 - f. That suitable fencing is erected around all vegetation prior to the commencement of works on the site.
 - g. The protective fencing is to remain in place until the completion of works on the site.
 - h. That Council is informed as to when the proposed planting works have been completed.

Stormwater

7. Provide onsite detention to limit post development flows to pre development flows in the 1 in 10 year storm events. Details of the design and management of any stormwater infrastructure required shall be prepared and shall be submitted to the Council at least 3 months prior to commencement of construction of the substation.

Fencing

8. The applicant shall construct a post and batten fence matching the existing fence around the perimeter of the substation site (which will be gated) prior to the substation becoming operational.

Traffic Management Plan

9. Prior to any construction being undertaken, a temporary Traffic Management Plan shall be submitted to the Council and be approved by the Team Leader Resource consents in consultation with the Road Controlling Authority (i.e. Auckland Transport), should any on-street loading or reversing of trucks onto the road be required.

Access

10. The following measures shall be implemented prior to the operation of the substation:
- a. Driveway, access and parking/loading area to be constructed to a best practice standard; and
 - b. A turning area of a permeable surfacing to reduce stormwater runoff shall be provided to allow vehicles to perform a 1800 turn to avoid reversing onto the street.

Operation Noise

11. The noise level (L10) as measured within the boundary of any other site should not exceed the following limits:

| | |
|--|-------|
| Mon to Friday: 0700-1800 hours | 45dBA |
| At all other times including public holidays | 40dBA |

The noise level shall be measured in accordance with the requirements of NZS6801:2008 Measurement of Sound and assessed in accordance with the requirements of NZS6802:2008 Assessment of Environmental Sound.

12. (construction noise) Construction activity on the site shall only occur between the following hours:
- a. Monday to Friday 7:00am to 7:00pm; and
 - b. Saturday 8:00am to 1:00pm.

All construction noise shall comply with and be measured and assessed in accordance with, NZS6803:1999, Acoustics — Construction Noise.

13. (archaeological) If any artefact, including human remains is exposed during any site works the following procedures shall apply:
- a. Immediately when an artefact is unearthed, all site works shall cease;
 - b. The site supervisor shall immediately secure the area in a way that ensures any artefacts or remains are untouched; and
 - c. The site supervisor shall notify the following groups that an archaeological site has been unearthed, so that appropriate action can be taken:
 - i. Tangata whenua;

- ii. The New Zealand Historic Places Trust;
- iii. The Department of Conservation;
- iv. The Council's RMA Compliance Administration Officer (telephone 0800426 5169); and
- v. In the case of human remains the police.

Electric Magnetic Field Measurements

- 14. The installation shall at all times not exceed the reference levels for public exposure to 50 Hz electric and magnetic fields set out in the International Commission on Non-Ionising Radiation Protection (ICNIRP): electric field strength: 5 kV/m and magnetic flux density: 100 microtesla.

Electric Magnetic Field Measurements

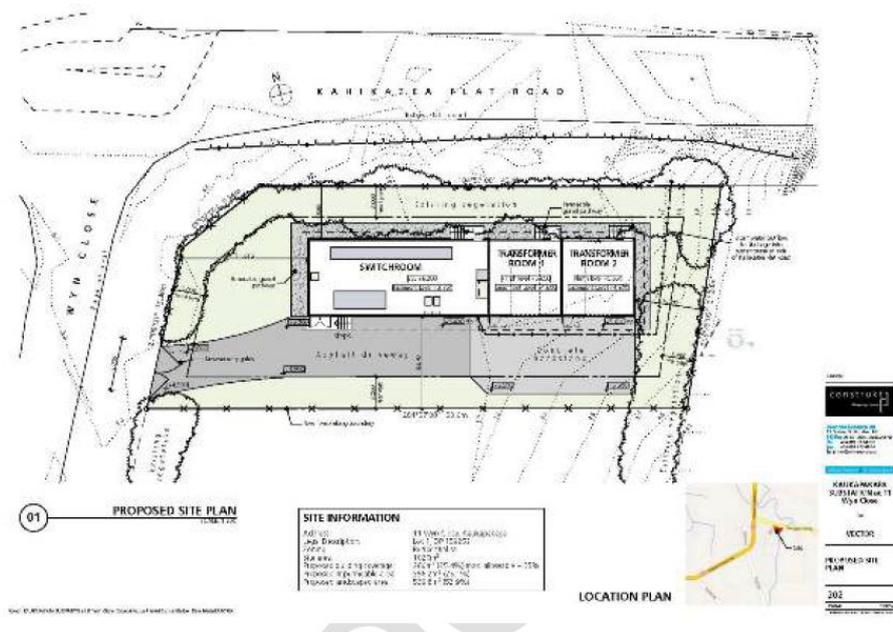
- 15. The Requiring Authority shall engage a suitably qualified person to carry out measurement of the electric and magnetic fields emitting from this substation to confirm the compliance with the ICNIRP guidelines in effect at the time the substation is constructed. A report with measurement results shall be provided to Council within two months of the substation commencing operation and again within two months of the commencement of operation of the second transformer. The measurement results will be made available for viewing by the public.

Lapse of Designation

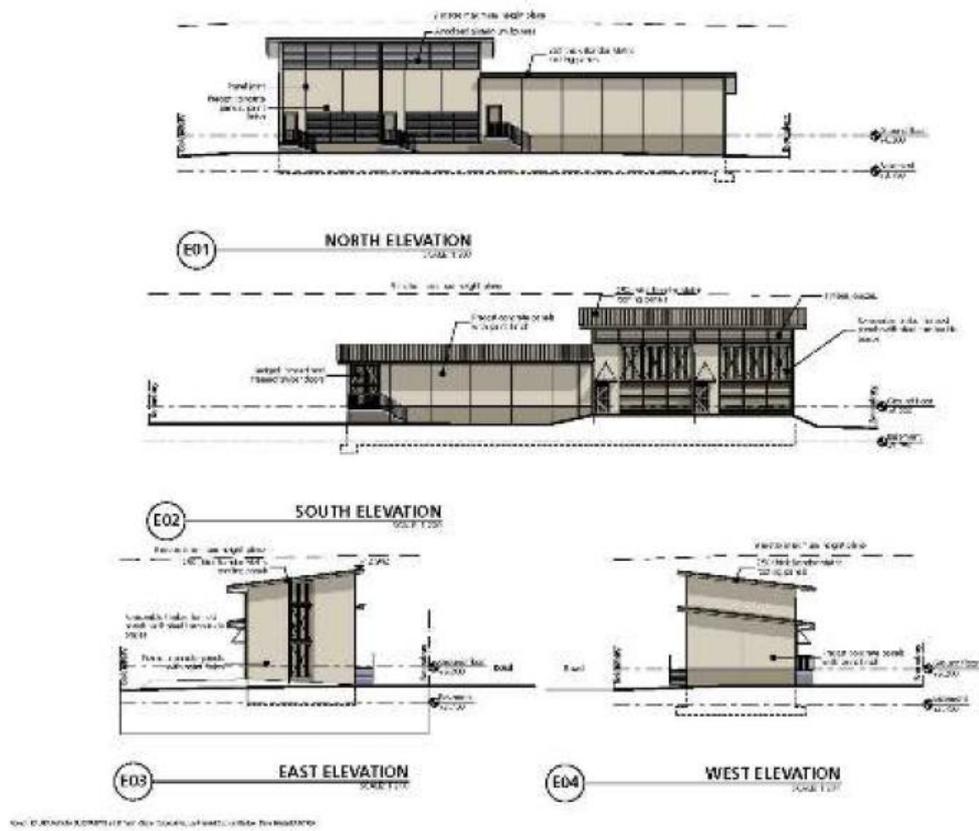
- 16. This designation shall lapse 10 years from the date it has been confirmed.

Attachments

Site Plan



Building Elevations



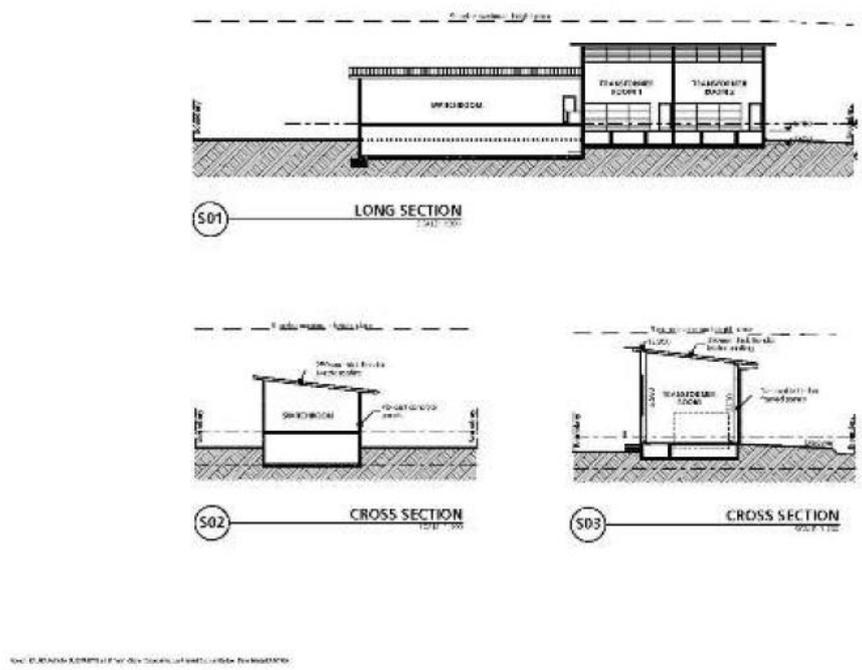
CONSTRUCTEE

KARIGAWAN SURTAH 11 Max 11 Style One

VECTOR

401

Building Sections



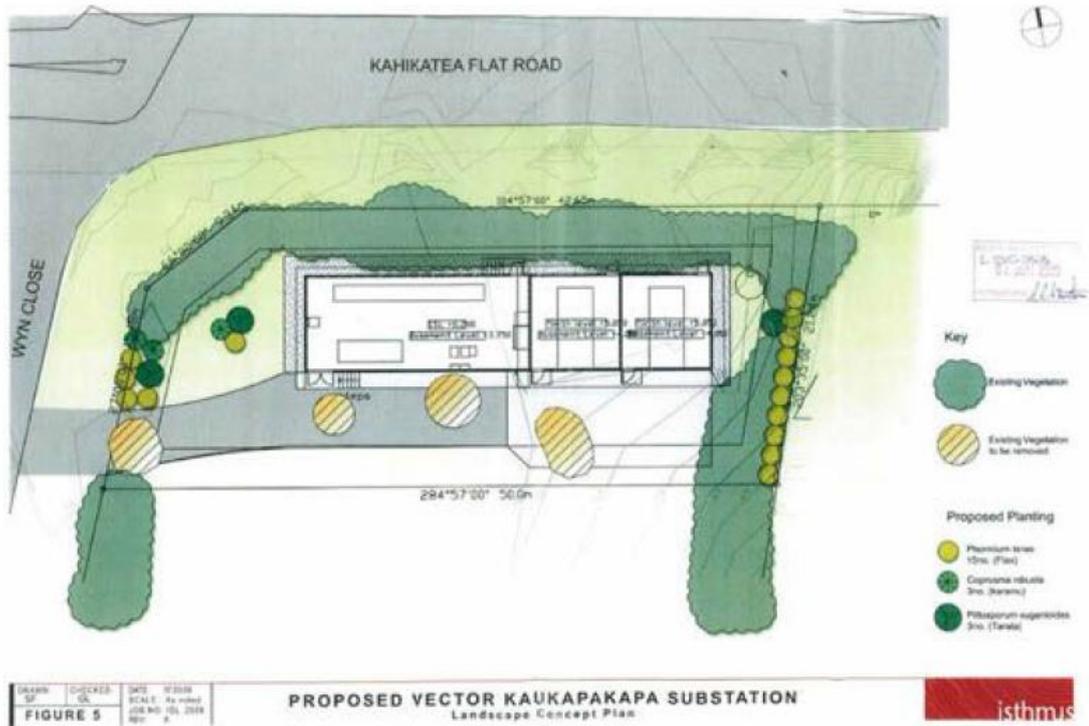
CONSTRUCTEE

KARIGAWAN SURTAH 11 Max 11 Style One

VECTOR

402

Landscape Concept Plan



PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [MARK-UP]**8866 Sandspit Substation**

| | |
|----------------------|--|
| Designation Number | 8866 |
| Requiring Authority | Vector Ltd |
| Location | Mahurangi East Road (Lot 1 DP 426584), Snells Beach |
| Rollover Designation | Yes |
| Legacy Reference | Designation 617, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | 31 August 2022 29 July 2021 or five years from being operative in the Unitary Plan, whichever is the latter unless given effect to prior |

Purpose

Substation.

Conditions**General**

1. The activity shall proceed in general accordance with the Notice of Requirement submitted to Council dated 2 April 2009 and the plans drawn by Construkt Architects Limited, including the Proposed Site Plan dated 20/04/09, Basement & Ground Floor Plans and Building Sections plans dated 1/04/09, and the Building Elevation plan dated 7/07/09 all numbered L55148 and signed by Processing Planner Laura Christian, dated 08/06/09.

Outline Plan

2. If either the final design and layout of the substation does not reflect the design and layout submitted with the Notice of Requirement, or if there are any future additional works proposed that are not permitted by the ~~Unitary District~~ Plan, an outline plan shall be submitted in accordance with section 176A of the Resource Management Act 1991 to the ~~Rodney District Auckland~~ Council, before any construction is commenced. However, where the future additional work is in accordance with the Notice of Requirement or is permitted by the ~~Unitary District~~ Plan, then the requirement for an Outline Plan is waived under s176A(2).

Landscape Plan

3. The landscaping plan (Isthmus Group Ltd, Drawing 2633, Figure 5, dated 6/07/09) shown in Appendix 15AA(i), shall be implemented during the first planting season after the construction of the substation. The landscaping shall be maintained thereafter.

Fencing

4. The applicant shall construct a post and batten fence around the perimeter of the substation site prior to the substation becoming operational.

Traffic Management Plan

5. Prior to any construction being undertaken, a temporary Traffic Management Plan is required to be submitted to Council and approved by Manager - Resource consents and Compliance in consultation with Auckland Transport (the road controlling authority).

Access

6. The following measures shall be implemented prior to the operation of the substation:
 - a. Driveway and access to be constructed to a best practice standard;
 - b. A sightline covenant as shown in the plans provided with the subdivision application (to the east if the driveway) is to be established;
 - c. The small bunch of agapanthus within the road reserve near the driveway crossing for 836 Sandspit Road is to be removed at the cost of the applicant, to the approval of the Manager - Resource Consents and Compliance;
 - d. Further details of the drainage design for the driveway should be provided by the applicant, including culvert size and end treatment; and
 - e. The open channel surrounding the driveway shall be built up to a slope no steeper than 1 in 4 on either side of the driveway.

Construction Noise

7. Noise from construction activities shall not exceed the limits recommended in and shall be measured and assessed in accordance with, NZS6803:1999, Acoustics — Construction Noise. Note that the noise limit between the hours of 2000 to 0630 weekdays, 1800 to 0630 Saturdays and at all times on Sundays and Public Holidays, may mean that no construction work can take place.
8. (operation noise) The operational noise from the substation shall not exceed the following limits at the notional boundary (notional boundary is defined as a line 20m from the side of a rural dwelling existing as at 1 April 2009, or the legal boundary where this is closer to the dwelling):
 - a. Monday to Saturday: 6:00am to 6:00pm 55 dBA Leq;
 - b. Sundays & Public Holidays: 6:00am to 6:00pm 50 dBA Leq; and
 - c. At all other times: 45 dBA Leq 75 dBA Lmax.

Archaeological

9. If any artefact, including human remains is exposed during any site works the following procedures shall apply:
 - a. Immediately when an artefact is unearthed, all site works shall cease; and
 - b. The site supervisor shall immediately secure the area in a way that ensures any artefacts or remains are untouched; and
 - c. The site supervisor shall notify the following groups that an archaeological site has been unearthed, so that appropriate action can be taken:
 - i. Tangata whenua,

- ii. The New Zealand Historic Places Trust;
- iii. The Department of Conservation;
- iv. The Council's RMA Compliance Administration Officer (telephone 301 0101); and
- v. In the case of human remains the New Zealand Police.

Lapse

10. This designation shall lapse 10 years from the date it has been confirmed.

Attachments

Proposed Vector Sandspit Substation Landscape Concept Plan



PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [CLEAN]**8866 Sandspit Substation**

| | |
|----------------------|---|
| Designation Number | 8866 |
| Requiring Authority | Vector Ltd |
| Location | Mahurangi East Road (Lot 1 DP 426584), Snells Beach |
| Rollover Designation | Yes |
| Legacy Reference | Designation 617, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | 31 August 2022 |

Purpose

Substation.

Conditions**General**

1. The activity shall proceed in general accordance with the Notice of Requirement submitted to Council dated 2 April 2009 and the plans drawn by Construct Architects Limited, including the Proposed Site Plan dated 20/04/09, Basement & Ground Floor Plans and Building Sections plans dated 1/04/09, and the Building Elevation plan dated 7/07/09 all numbered L55148 and signed by Processing Planner Laura Christian, dated 08/06/09.

Outline Plan

2. If either the final design and layout of the substation does not reflect the design and layout submitted with the Notice of Requirement, or if there are any future additional works proposed that are not permitted by the Unitary Plan, an outline plan shall be submitted in accordance with section 176A of the Resource Management Act 1991 to the Auckland Council, before any construction is commenced. However, where the future additional work is in accordance with the Notice of Requirement or is permitted by the Unitary Plan, then the requirement for an Outline Plan is waived under s176A(2).

Landscape Plan

3. The landscaping plan (Isthmus Group Ltd, Drawing 2633, Figure 5, dated 6/07/09) shown in Appendix 15AA(i), shall be implemented during the first planting season after the construction of the substation. The landscaping shall be maintained thereafter.

Fencing

4. The applicant shall construct a post and batten fence around the perimeter of the substation site prior to the substation becoming operational.

Traffic Management Plan

5. Prior to any construction being undertaken, a temporary Traffic Management Plan is required to be submitted to Council and approved by Manager - Resource consents and Compliance in consultation with Auckland Transport (the road controlling authority).

Access

6. The following measures shall be implemented prior to the operation of the substation:
 - a. Driveway and access to be constructed to a best practice standard;
 - b. A sightline covenant as shown in the plans provided with the subdivision application (to the east if the driveway) is to be established;
 - c. The small bunch of agapanthus within the road reserve near the driveway crossing for 836 Sandspit Road is to be removed at the cost of the applicant, to the approval of the Manager - Resource Consents and Compliance;
 - d. Further details of the drainage design for the driveway should be provided by the applicant, including culvert size and end treatment; and
 - e. The open channel surrounding the driveway shall be built up to a slope no steeper than 1 in 4 on either side of the driveway.

Construction Noise

7. Noise from construction activities shall not exceed the limits recommended in and shall be measured and assessed in accordance with, NZS6803:1999, Acoustics — Construction Noise. Note that the noise limit between the hours of 2000 to 0630 weekdays, 1800 to 0630 Saturdays and at all times on Sundays and Public Holidays, may mean that no construction work can take place.
8. (operation noise) The operational noise from the substation shall not exceed the following limits at the notional boundary (notional boundary is defined as a line 20m from the side of a rural dwelling existing as at 1 April 2009, or the legal boundary where this is closer to the dwelling):
 - a. Monday to Saturday: 6:00am to 6:00pm 55 dBA Leq;
 - b. Sundays & Public Holidays: 6:00am to 6:00pm 50 dBA Leq; and
 - c. At all other times: 45 dBA Leq 75 dBA Lmax.

Archaeological

9. If any artefact, including human remains is exposed during any site works the following procedures shall apply:
 - a. Immediately when an artefact is unearthed, all site works shall cease; and
 - b. The site supervisor shall immediately secure the area in a way that ensures any artefacts or remains are untouched; and
 - c. The site supervisor shall notify the following groups that an archaeological site has been unearthed, so that appropriate action can be taken:
 - i. Tangata whenua,

- ii. The New Zealand Historic Places Trust;
- iii. The Department of Conservation;
- iv. The Council's RMA Compliance Administration Officer (telephone 301 0101); and
- v. In the case of human remains the New Zealand Police.

Lapse

10. This designation shall lapse 10 years from the date it has been confirmed.

Attachments

Proposed Vector Sandspit Substation Landscape Concept Plan



PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [MARK-UP]**8889 Tomarata Substation**

| | |
|----------------------|---|
| Designation Number | 8889 |
| Requiring Authority | Vector Ltd |
| Location | Pakiri Block Road (Pt Sec 9 SO 45197), Tomarata |
| Rollover Designation | Yes |
| Legacy Reference | Designation 601, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | 31 August 2027 Ten years from being operative in the Unitary Plan unless given effect to prior |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [CLEAN]**8889 Tomarata Substation**

| | |
|----------------------|---|
| Designation Number | 8889 |
| Requiring Authority | Vector Ltd |
| Location | Pakiri Block Road (Pt Sec 9 SO 45197), Tomarata |
| Rollover Designation | Yes |
| Legacy Reference | Designation 601, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | 31 August 2027 |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [MARK-UP]**8898 Helensville Substation**

| | |
|----------------------|--|
| Designation Number | 8898 |
| Requiring Authority | Vector Ltd |
| Location | 139 -143 Awaroa Road and 52 -56 Rautawhiri Road, Helensville |
| Rollover Designation | Yes |
| Legacy Reference | Designation 610, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

PART 7 - DESIGNATIONS»Schedules and Designations»Vector Ltd» [CLEAN]**8898 Helensville Substation**

| | |
|----------------------|---|
| Designation Number | 8898 |
| Requiring Authority | Vector Ltd |
| Location | 143 Awaroa Road and -56 Rautawhiri Road, Helensville |
| Rollover Designation | Yes |
| Legacy Reference | Designation 610, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

APPENDIX THREE

PANEL RECOMMENDATION DESIGNATIONS

The Proposed Auckland Unitary Plan (notified 30 September 2013)

8826 Balmoral Substation

| | |
|----------------------|---|
| Designation Number | 8826 |
| Requiring Authority | Vector Ltd |
| Location | 250 Balmoral Road, Sandringham |
| Rollover Designation | Yes |
| Legacy Reference | Designation E07-20, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. Where any construction works include the total or substantial demolition of, or, modifications to, the Substation, any outline plan that is required shall include:
 - a) An assessment of the effects on the historic heritage values of the Substation;
 - b) A consideration of alternative practicable methods and/or appropriate mitigation to prevent or avoid damage, loss or destruction of those features for which the Substation has been scheduled.

2. In recognition that the Substation is part of the existing Auckland electricity network, this condition shall not apply:
 - a) To any works that
 - i) involve the installation, replacement or removal of any cables or antenna, including any associated exterior works;
 - ii) are required to meet Health and Safety requirements;
 - iii) involve the installation, replacement or removal of signage required for safety reasons and to reflect the electricity hazard present on the site;
 - iv) involve upgrading of any fencing required around the site;
 - v) are required for any structural strengthening required to be undertaken to the Substation to ensure the Substation is reasonably structurally sound, acknowledging that such strengthening is to be undertaken in a way that does not detract from those features for which the Substation has been scheduled.
 - b) To the repair or maintenance of, or minor alteration to, the Substation.
 - c) Where there is a conservation plan or similar plan for the management of the Substation and the proposed new works are in accordance with this conservation or similar plan.

Attachments

No attachments.

8830 The Drive Substation

| | |
|----------------------|---|
| Designation Number | 8830 |
| Requiring Authority | Vector Ltd |
| Location | 62-66 The Drive, Epsom |
| Rollover Designation | Yes |
| Legacy Reference | Designation F09-01, Auckland Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Purpose

Electricity works (substation).

Conditions

1. Where any construction works include the total or substantial demolition of, or modifications to, the Substation, any outline plan that is required shall include:
 - a) An assessment of the effects on the historic heritage values of the Substation;
 - b) A consideration of alternative practicable methods and/or appropriate mitigation to prevent or avoid damage, loss or destruction of those features for which the Substation has been scheduled.
2. In recognition that the Substation is part of the existing Auckland electricity network, this condition shall not apply:
 - a) To any works that
 - i) involve the installation, replacement or removal of any cables or antenna, including any associated exterior works;
 - ii) are required to meet Health and Safety requirements;
 - iii) involve the installation, replacement or removal of signage required for safety reasons and to reflect the electricity hazard present on the site;
 - iv) involve upgrading of any fencing required around the site;
 - v) are required for any structural strengthening required to be undertaken to the Substation to ensure the Substation is reasonably structurally sound, acknowledging that such strengthening is to be undertaken in a way that does not detract from those features for which the Substation has been scheduled.
 - b) To the repair or maintenance of, or minor alteration to, the Substation.
 - c) Where there is a conservation plan or similar plan for the management of the Substation and the proposed new works are in accordance with this conservation or similar plan.

Attachments

No attachments.

8831 Penrose Portal and Penrose to Hobson Street Tunnel [MARK-UP]

| | |
|----------------------|---|
| Designation Number | 8831 |
| Requiring Authority | Vector Ltd |
| Location | 19 Gavin Street, Ellerslie to 13-21 Hobson Street, Auckland |
| Rollover Designation | Yes |
| Legacy Reference | Designation F12-42, Auckland Council District Plan (Isthmus Section) 1999 Designation 288, Auckland Council District Plan (Central Area Section) 2005; Designation B08-03, Auckland Council District Plan (Isthmus Section) 1999. |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity transmission purposes: Penrose Portal (Gavin Street), Penrose to Hobson Street tunnel for the purposes of conveying electricity to the CBD.

The construction, operation and maintenance of:

- a. An underground tunnel from Transpower New Zealand Limited's ("Transpower") existing substation at Gavin Street, Penrose, to Vector Limited's ("Vector") existing substations at Liverpool Street and Hobson Street for the purpose of conveying electricity to the Auckland Central Business District ("CBD"), together with all ancillary and related infrastructure including portals and ventilation fans. The tunnel will contain electric cables, with a maximum anticipated capacity of three 220kV circuits of 500MVA each and ancillary equipment;
- b. Electric cables contained within the tunnel. It is initially proposed to install two circuits of 110kV circuits at 230MVA each, and ancillary equipment. It is intended to upgrade the electricity supply carried through the tunnel over the next 10-20 years in response to load growth and other alterations to the network. It is anticipated that any future upgrades will result in a maximum capacity of three 220kV circuits at 500MVA each and ancillary equipment; and
- c. The construction and operation of a building containing 110kV and future 220kV gas insulated switch gear and three future 220/110kV transformers at an extension to Vector's Liverpool substation site.

Conditions**1. General**

- 1.1 Except as modified by the conditions below, the work shall be undertaken in general accordance with the information provided by Vector at the hearing; the notice of requirement and supporting documents, namely: "Electricity Reinforcement Project, Tunnel to Auckland Central Business District, Assessment of Environmental Effects", February 1996, Tonkin and Taylor Ltd, and the associated Addendum dated 8 March 1996.
- 1.2 All activities, works and buildings not able to be fully disclosed in the notice of requirement (including the associated Assessment of Effects) and not provided for as a permitted activity shall be the subject of either:
 - a. A new notice of requirement, which shall be publicly notified, pursuant to Section 168 of the Resource Management Act; or
 - b. A notice to alter the designation, pursuant to section 181 of the Resource Management Act, which notice shall be publicly notified unless the alteration is minor and the affected persons agree in accordance with the provisions of Section 181(3) of the Act; or

- c. A resource consent.
- 1.3 When the tunnel, or any length of it, is no longer required, the length no longer required shall be backfilled to prevent subsidence.
- 1.4 All heated air and contaminated air from the tunnel and associated work shall be disposed of in a way which avoids creating a nuisance or hazard to people and other property.
- 1.5 The cables and associated equipment shall be designed, installed, and operated so as to, as far as practicable, minimise public exposure to electric and magnetic fields.
- 1.6 Upon request from Council, at no lesser intervals than annually, Vector shall provide written confirmation that the maximum levels of the electric and magnetic fields set out in the AEE are not exceeded.
- 1.15 All internal and external Council costs of monitoring the conditions are to be borne by the requiring authority.
- 1.16 Vector shall not permit access to the tunnel for use by any third party which would negate the opportunity for Vector, Transpower New Zealand Limited, Power New Zealand Limited, Northpower Limited and/or Top Energy Limited (or their successors) to use the tunnel for the purpose of installing transmission lines at a voltage at or exceeding 110 kV and up to 220 kV, without first advising each of such companies.
- 2.4 All plant associated with the long term operation of the tunnel (not including Transpower's operations at the Transpower site) is to be designed, constructed, and maintained to ensure that the following noise levels are not exceeded:

- a. Noise measured at or within the boundary of any property except those with a business activity zoning:

| | | |
|----------------------------|--------------------|--|
| Monday to Saturday | 7.00am-10.00pm | L10 55 dBA |
| Sunday and Public Holidays | 9.00am-6.00pm | L10 55 dBA |
| | At all other times | L10 45 dBA Lmax 75 dBA, or background (L95) plus 30 dBA, whichever is the lower |

- b. Noise measured at any time at or within the boundary of any property zoned business activity: L10 65 dBA
- 2.5 Measurement and assessment shall be in accordance with the requirements of NZS 6801:1999 "Measurement of Environmental Sound" and NZS 6802:1999 "Assessment of Environmental Noise". The noise shall be measured with a sound level meter complying at least with the International Standard IEC 651 (1979): Sound Level Meters, Type 1.

7A. Hazardous Substances

- 7A.1 The storage and use of hazardous substances at the Hobson, Newmarket, and Penrose Portals shall be in accordance with the "Vector Tunnel Project Hazardous Substances Assessment of Environmental Effects" undertaken by Tonkin and Taylor Ltd and dated May 1999.
- 7A.2 The areas of the Hobson, Newmarket and Penrose Portals immediately involved in the storage, loading, unloading, using or otherwise handling of waste and other hazardous substances, shall be protected by spill containment systems that shall comply with the following:
- a. Be constructed of impervious material that are resistant to the hazardous substances involved;

- b. Be able to contain the maximum volume of the largest tank used; and
- c. Be designed, constructed and managed so that any spill or release of any hazardous substance and any stormwater that may have entered and become contaminated in the spill containment system is prevented from entering the stormwater system and is prevented from discharging into or onto the land or groundwater, any water body, or potable water supply.

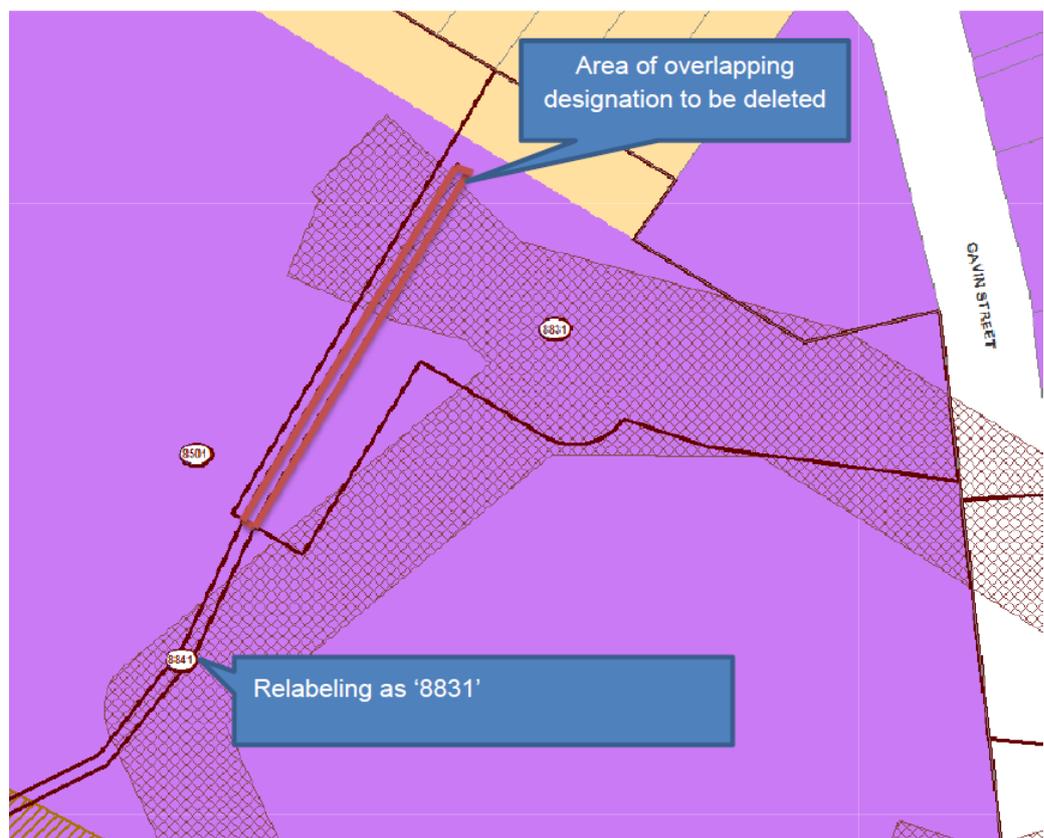
7A.3 Prior to construction of the spill containment systems referred to in Condition 7A.2 above, Vector shall produce a spill contingency plan, an emergency evacuation plan, a health and safety plan, and a fire safety plan for the Hobson, Newmarket and Penrose Portals to the satisfaction of Council. Vector shall comply with these plans at all times.

Advice Notes

The Penrose substation site is subject to an existing Transpower designation (Penrose Substation) and an existing Council designation (Proposed Accessway, Gavin St to McNab St Subway). As such the Vector designation is to be identified as the later designation in the Unitary District Plan. The provisions of Section 177 of the Resource Management Act 1991 apply accordingly.

Attachments

8831 Penrose to Hobson Street Tunnel and Penrose Portal



8831 Penrose Portal and Penrose to Hobson Street Tunnel [CLEAN]

| | |
|----------------------|---|
| Designation Number | 8831 |
| Requiring Authority | Vector Ltd |
| Location | 19 Gavin Street, Ellerslie to 13-21 Hobson Street, Auckland |
| Rollover Designation | Yes |
| Legacy Reference | Designation F12-42, Auckland Council District Plan (Isthmus Section) 1999 Designation 288, Auckland Council District Plan (Central Area Section) 2005; Designation B08-03, Auckland Council District Plan (Isthmus Section) 1999. |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity transmission purposes: Penrose Portal (Gavin Street), Penrose to Hobson Street tunnel for the purposes of conveying electricity to the CBD.

The construction, operation and maintenance of:

- a. An underground tunnel from Transpower New Zealand Limited's ("Transpower") existing substation at Gavin Street, Penrose, to Vector Limited's ("Vector") existing substations at Liverpool Street and Hobson Street for the purpose of conveying electricity to the Auckland Central Business District ("CBD"), together with all ancillary and related infrastructure including portals and ventilation fans. The tunnel will contain electric cables, with a maximum anticipated capacity of three 220kV circuits of 500MVA each and ancillary equipment;
- b. Electric cables contained within the tunnel. It is initially proposed to install two circuits of 110kV circuits at 230MVA each, and ancillary equipment. It is intended to upgrade the electricity supply carried through the tunnel over the next 10-20 years in response to load growth and other alterations to the network. It is anticipated that any future upgrades will result in a maximum capacity of three 220kV circuits at 500MVA each and ancillary equipment; and
- c. The construction and operation of a building containing 110kV and future 220kV gas insulated switch gear and three future 220/110kV transformers at an extension to Vector's Liverpool substation site.

Conditions**1. General**

- 1.1 Except as modified by the conditions below, the work shall be undertaken in general accordance with the information provided by Vector at the hearing; the notice of requirement and supporting documents, namely: "Electricity Reinforcement Project, Tunnel to Auckland Central Business District, Assessment of Environmental Effects", February 1996, Tonkin and Taylor Ltd, and the associated Addendum dated 8 March 1996.
- 1.2 All activities, works and buildings not able to be fully disclosed in the notice of requirement (including the associated Assessment of Effects) and not provided for as a permitted activity shall be the subject of either:
 - a. A new notice of requirement, which shall be publicly notified, pursuant to Section 168 of the Resource Management Act; or
 - b. A notice to alter the designation, pursuant to section 181 of the Resource Management Act, which notice shall be publicly notified unless the alteration is minor and the affected persons agree in accordance with the provisions of Section 181(3) of the Act; or

- c. A resource consent.
- 1.3 When the tunnel, or any length of it, is no longer required, the length no longer required shall be backfilled to prevent subsidence.
- 1.4 All heated air and contaminated air from the tunnel and associated work shall be disposed of in a way which avoids creating a nuisance or hazard to people and other property.
- 1.5 The cables and associated equipment shall be designed, installed, and operated so as to, as far as practicable, minimise public exposure to electric and magnetic fields.
- 1.6 Upon request from Council, at no lesser intervals than annually, Vector shall provide written confirmation that the maximum levels of the electric and magnetic fields set out in the AEE are not exceeded.
- 1.15 All internal and external Council costs of monitoring the conditions are to be borne by the requiring authority.
- 1.16 Vector shall not permit access to the tunnel for use by any third party which would negate the opportunity for Vector, Transpower New Zealand Limited, Power New Zealand Limited, Northpower Limited and/or Top Energy Limited (or their successors) to use the tunnel for the purpose of installing transmission lines at a voltage at or exceeding 110 kV and up to 220 kV, without first advising each of such companies.
- 2.4 All plant associated with the long term operation of the tunnel (not including Transpower's operations at the Transpower site) is to be designed, constructed, and maintained to ensure that the following noise levels are not exceeded:

- a. Noise measured at or within the boundary of any property except those with a business activity zoning:

| | | |
|----------------------------|--------------------|--|
| Monday to Saturday | 7.00am-10.00pm | L10 55 dBA |
| Sunday and Public Holidays | 9.00am-6.00pm | L10 55 dBA |
| | At all other times | L10 45 dBA Lmax 75 dBA, or background (L95) plus 30 dBA, whichever is the lower |

- b. Noise measured at any time at or within the boundary of any property zoned business activity: L10 65 dBA
- 2.5 Measurement and assessment shall be in accordance with the requirements of NZS 6801:1999 "Measurement of Environmental Sound" and NZS 6802:1999 "Assessment of Environmental Noise". The noise shall be measured with a sound level meter complying at least with the International Standard IEC 651 (1979): Sound Level Meters, Type 1.

7A. Hazardous Substances

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- 7A.2 The areas of the Hobson, Newmarket and Penrose Portals immediately involved in the storage, loading, unloading, using or otherwise handling of waste and other hazardous substances, shall be protected by spill containment systems that shall comply with the following:
- a. Be constructed of impervious material that are resistant to the hazardous substances involved;

- b. Be able to contain the maximum volume of the largest tank used; and
- c. Be designed, constructed and managed so that any spill or release of any hazardous substance and any stormwater that may have entered and become contaminated in the spill containment system is prevented from entering the stormwater system and is prevented from discharging into or onto the land or groundwater, any water body, or potable water supply.

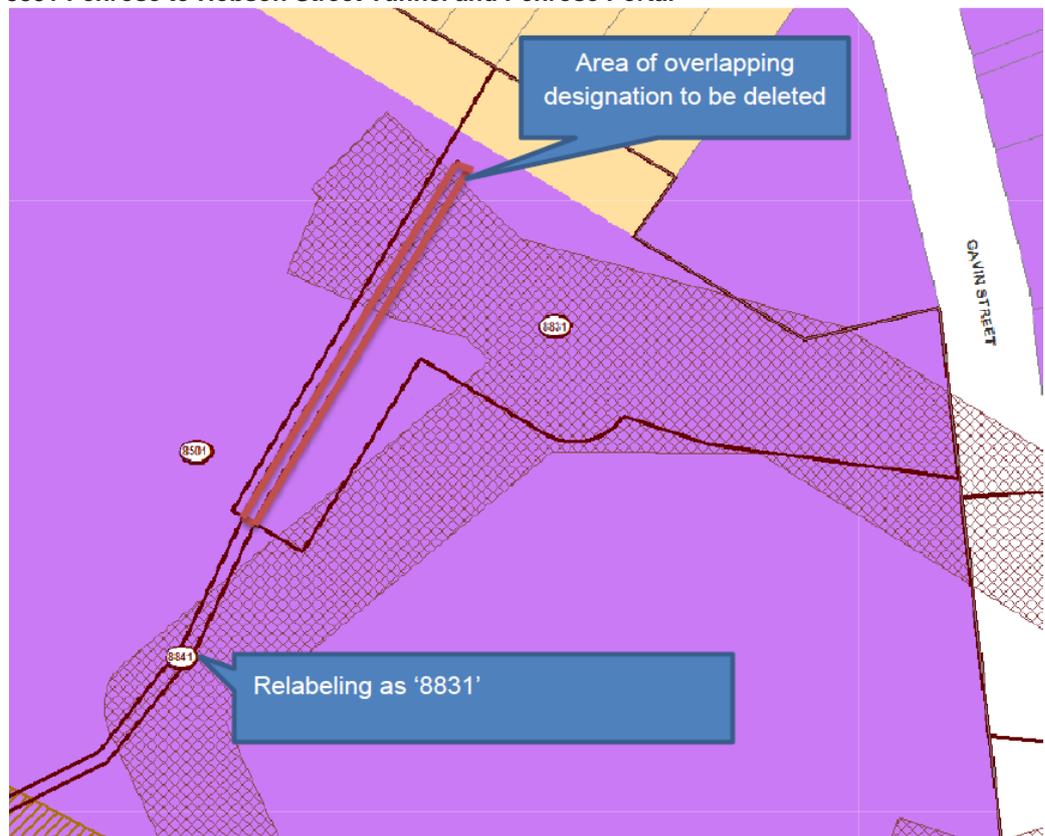
7A.3 Prior to construction of the spill containment systems referred to in Condition 7A.2 above, Vector shall produce a spill contingency plan, an emergency evacuation plan, a health and safety plan, and a fire safety plan for the Hobson, Newmarket and Penrose Portals to the satisfaction of Council. Vector shall comply with these plans at all times.

Advice Notes

The Penrose substation site is subject to an existing Transpower designation (Penrose Substation) and an existing Council designation (Proposed Accessway, Gavin St to McNab St Subway). As such the Vector designation is to be identified as the later designation in the Unitary Plan. The provisions of Section 177 of the Resource Management Act 1991 apply accordingly.

Attachments

8831 Penrose to Hobson Street Tunnel and Penrose Portal



8842 110kV Electricity Line [MARK-UP]

| | |
|----------------------|--|
| Designation Number | 8842 |
| Requiring Authority | Vector Ltd |
| Location | 410 Albany Highway to State Highway 1 (Constellation Drive), Rosedale and Currys Lane, Wairau Valley |
| Rollover Designation | Yes |
| Legacy Reference | Designation 179, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | The designation will lapse on 31 August 2032 unless given effect to. |

Purpose

The installation, maintenance, repair, replacement, inspection and operation of one 110kV underground electricity transmission line and associated telecommunication cables and the minor above ground structures associated therewith, within a corridor.

Conditions

1. The alignment and width of the North Shore Transmission Corridor shall be generally in accordance with that described in Appendix A to the 2001 Notice of Requirement as amended by the 2005 Alteration to the Designation (LUC/2120374) and the 2012 Alteration to the Designation and shall be demarcated on the Auckland Unitary Plan Maps accordingly.
2. That prior to any works being commenced, Vector Limited shall obtain all requisite regional resource consents required by the Auckland Council under the Resource Management Act 1991.
3. Any land taken or held for the works shall be maintained to a reasonable standard until physical works commence.
4. The cables and associated equipment shall be designed, installed and operated so as to meet the NZ National Radiation Laboratory guidelines (as confirmed by the International Commission on Non-Ionizing Radiation Protection, ICNIRP) for general public 24hrs/day exposure.
5. In the event that electricity supply will need to be shut down for planned periods during construction, Vector Limited shall advise Watercare Services Ltd of the time and duration of the intended shut down at least 48 hours in advance.
6. Vector Limited shall submit an Outline Plan of Works to Auckland Council in accordance with Section 176A of the Resource Management Act 1991. In addition to the matters listed in Section 176A(3), the Outline Plan shall describe and include details on the following:
 - a. The alignment of the cable(s) within the corridor and the width of the corridor.
 - b. The distance that any trench will be located from residential zoned properties and the depth of that trench and any measures to prevent the movement of earth on adjoining properties.
 - c. The location, size, function and effects (including noise) of all above-ground structures.
 - d. Measures to avoid, remedy or mitigate the potential effects of construction and maintenance activities on existing water, stormwater and wastewater services;

- e. Measures to avoid, remedy or mitigate the potential effects arising from the physical presence of the cable on the operation of water, stormwater and wastewater services;
- f. Measures to avoid, remedy or mitigate the potential effects arising from the physical presence of the cable on the future construction of water, stormwater and wastewater services;
- g. The minor extension to the Wairau Road substation; and
- h. Such other matters as required to satisfy the conditions of this designation.

Services

- 7. During the detailed design and subsequent construction activities, Vector Limited and its agents shall liaise with Watercare Services Ltd prior to undertaking any work in relation to the designation and shall ensure that all existing utility services located in or adjacent to the designation are:

Protected from any activity which may interfere with the proper functioning of the services; and

If damaged, repaired or replaced; Any costs associated with the protection, repair or replacement of existing services maintained by the Council shall be at Vector's expense, to the reasonable satisfaction of Watercare Services Ltd.

- 8. All cables shall be installed in accordance with the relevant New Zealand Codes of Practice, including NZECP 34 and 35.
- 9. When laying the cable close to existing metallic pipelines Vector Limited shall ensure the associated service does not breach the requirements of AS/NZS 4653:2000.
- 10. Vector Limited shall undertake a safety study, as part of the detailed design process, to demonstrate that induced and transferred potentials to other services would not be hazardous to personnel working on those services. An appropriate independent body shall review the study and recommend any relevant design modifications.
- 11. Vector Limited shall review the possible effects that electric and magnetic fields may have on other existing underground services within the corridor, ensuring that all practicable measures are taken to minimise those effects.
- 12. The 'as-built' plans (in accordance with the Council's Asset Data Standards manual) shall be submitted to the Council immediately after the completion of all construction.

Property Access

- 14. Vehicular and pedestrian access shall be maintained to the Wastewater Treatment Plant, Rosedale Park and Rosedale Park South at all times during construction.
- 15. In the event that Vector Limited requires access to the North Shore Transmission Corridor via the Wastewater Treatment Plant site for construction and maintenance activities, all personnel and contractors of Vector Limited are to comply with access controls and health and safety requirements applying to the Wastewater Treatment Plant site.

Trees

- 16. A Vegetation Mitigation Plan shall be prepared prior to the commencement of construction works within the corridor and shall be subject to the prior approval of the Auckland Council's Manager - Parks, Sports and Recreation Department. The purpose of the Vegetation Mitigation Plan is to set out the measures for works around any protected trees and shall contain appropriate measures:
 - a. To minimise the impact on protected trees, wherever possible;

- b.. To develop a staged landscape plan for the remnant orchard trees in the George Pannill Reserve which includes suitable consultation with the Manager - Parks, Sports and Recreation Department and with local residents. The purpose of this landscape plan is to retain the general character of the orchard remnant and improve the overall amenity of the area;
- c. To indicate that where trees are required to be removed, these be replaced or replaced in close proximity, on a tree for tree basis, unless otherwise directed by the Manager - Parks, Sports and Recreation Department and that the replacement planting is maintained in accordance with the design infrastructure manual for a period of 18 months following planting; and
- d. To reasonably minimise the need for removal of large trees and other vegetation which provide visual screening of the Wastewater Treatment Plant site from residential areas, Rosedale Park and Rosedale Park South.

The landscape plan for the George Pannill Reserve shall be prepared well in advance of construction to enable discussion with the Manager - Parks, Sports and Recreation Department and reflect suitable consultation with local residents. For the purposes of this condition, the monetary limit of any Vector Limited contribution pursuant to both this designation and Designation 179A to fruit tree replacement in the George Pannill Reserve shall be \$2500 (plus GST). As part of the Vegetation Mitigation Plan, Vector Limited shall provide suitable planting within that part of the corridor that adjoins the rear boundary of 16 Jade Court, Albany.

- 17. In the event that trees providing visual screening to the Wastewater Treatment Plant Site need to be removed as a result of the installation of proposed underground cables, Vector Limited, in consultation with Watercare Services Ltd and the Council's Manager - ~~Infrastructure and Environmental Services~~ Resource consents and compliance, shall, where practicable, plant suitable replacement trees to provide a similar level of visual screening from residential areas, Rosedale Park and Rosedale Park South as existed prior to the removal of the trees.

Watercourses/Open Channels

- 18. Crossings over open channels and watercourses will need to be above the 1% AEP flood plain level with an adequate freeboard provided. Alternatively if a cable crossing is proposed to go under a watercourse, then adequate cover and protection will need to be provided to allow for possible future channel erosion and for channel maintenance activities. Adequate cover and protection will also be required where the cables cross pipes and other stormwater assets. Details of the channel and watercourse crossings shall be submitted to the Council's Manager - ~~Infrastructure and Environmental Services~~ Resource consents and compliance for approval.

In particular the following crossings need to be fully assessed:

- a. The Oteha Stream tributary between Albany Highway and Vanderbilt Parade;
- b. The Oteha Stream tributary between Vanderbilt Parade and Northwood Avenue;
- c. The Alexandra Stream near Bush Road;
- d. The concrete lined channels between Sunnynook Road and Porana Road; and
- e. The Wairau channel near the substation.

Traffic Disturbance

- 19. A Traffic Management Plan shall be submitted to the Road Controlling Authority (i.e. Auckland Transport) for approval, at least 20 working days prior to the commencement of construction of each cable length. Construction activity shall be undertaken in accordance with the approved Traffic Management Plan. The primary purpose of the Traffic Management Plan is to set out the mitigation measures that will be put in place for that phase of the project to ensure that traffic disruption associated with construction activities is minimised as far as it is practicable.

Dust

20. Best practicable measures shall be employed (e.g. watering of the construction area) to ensure any dust nuisance beyond the boundary of the corridor is minimised.
21. All spoil shall be removed from the site so that no spoil or construction materials likely to generate dust are stored or stockpiled on site.

Water Quality

22. Best practicable measures shall be employed to ensure that the discharge of sediment into any water body is avoided or minimised.
23. Excess material shall be placed directly into trucks or bins for removal off site thereby minimising the amount of loose sediment bearing materials on the site.
24. Cesspit filters shall be installed prior to the excavations commencing where there is a risk of runoff to an existing drainage network. This is to be augmented by the use of silt fences where these are able to be installed or are necessary. It is anticipated that silt fences will be primarily used in areas where the works pass close to an open watercourse.
25. Should the excavation require dewatering, then the contractor shall be expected to either discharge the liquids into another part of the trench (e.g. with scoria backfilling) via a portable settling tank, or across a grassed strip (provided the grass was long and a silt fence or cesspit filter was in place down gradient).
26. Backfilling, compaction and grading shall be undertaken as soon as possible after the laying of trenches, followed by re-sowing to re-instate surfaces to a condition which existed before the trenching.

Distance from Residential Boundaries

27. The trenches for laying underground cables shall be located a minimum distance of 1.5m from any residentially zoned property.

Hours of Work

28. The hours of work shall be restricted to 7 am to 6 pm Monday to Friday, 8 am to 6 pm Saturday, with no construction work undertaken on Sundays and Public Holidays.

Property Access

29. Construction of the cable shall be undertaken in such a manner as to ensure that reasonable access to properties on the cable route shall be maintained at all times.

Construction Noise

30. During construction, New Zealand Noise Standard 6803 NZS: 1999 Acoustics - Construction Noise shall be complied with.
31. Vector Limited and its contractors shall, in addition to complying with all other construction related conditions, take all reasonable steps to prevent or mitigate any nuisance or damage to adjacent properties during construction.

Archaeological

32. If any archaeological remains are uncovered during construction, Vector Limited shall immediately notify the Council and engage an archaeologist (to be approved by Council) to investigate and report on the importance of the remains.
33. Vector Limited shall immediately advise local kaumatua and the New Zealand Historic Places Trust and cease working in the affected area until all necessary authority required by the New Zealand Historic Places Trust is obtained.

Completion of Construction

34. On completion of construction, all carriageways, road markings, signs, property access ways, drainage systems and other structures shall be restored to a standard at least comparable to their condition before the commencement of construction and shall be made good as soon as practicable.

Monitoring

35. Within six (6) months of the commencement of operation of the 110kV underground line Vector Limited shall supply to Council's Manager - Resource Consents and Compliance the results of a magnetic field survey that measures and appropriately illustrates the combined effect of the existing overhead and new underground lines, such field strength measurements to be taken at one metre above ground level and at intervals of not less than 400m or more than 800m along the length of the corridor (excluding roads). The Council may, depending on the significance of the results compared with recognised acceptable thresholds (see eg, condition 5), require a repeat of the survey at a future date to be agreed between the parties
36. That provision be made for the removal of existing trees located in the corridor directly affected by the proposed location of the cable trenches, and that any replacement planting that may be required be determined by consultation and agreement between Vector Limited and Council's Manager - ~~Infrastructure and Environmental Services~~ Resource consents and compliance.

Attachments

No attachments.

8842 110kV Electricity Line

| | |
|----------------------|--|
| Designation Number | 8842 |
| Requiring Authority | Vector Ltd |
| Location | 410 Albany Highway to State Highway 1 (Constellation Drive), Rosedale and Currys Lane, Wairau Valley |
| Rollover Designation | Yes |
| Legacy Reference | Designation 179, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | The designation will lapse on 31 August 2032 unless given effect to. |

Purpose

The installation, maintenance, repair, replacement, inspection and operation of one 110kV underground electricity transmission line and associated telecommunication cables and the minor above ground structures associated therewith, within a corridor.

Conditions

1. The alignment and width of the North Shore Transmission Corridor shall be generally in accordance with that described in Appendix A to the 2001 Notice of Requirement as amended by the 2005 Alteration to the Designation (LUC/2120374) and the 2012 Alteration to the Designation and shall be demarcated on the Auckland Unitary Plan Maps accordingly.
2. That prior to any works being commenced, Vector Limited shall obtain all requisite regional resource consents required by the Auckland Council under the Resource Management Act 1991.
3. Any land taken or held for the works shall be maintained to a reasonable standard until physical works commence.
4. The cables and associated equipment shall be designed, installed and operated so as to meet the NZ National Radiation Laboratory guidelines (as confirmed by the International Commission on Non-Ionizing Radiation Protection, ICNIRP) for general public 24hrs/day exposure.
5. In the event that electricity supply will need to be shut down for planned periods during construction, Vector Limited shall advise Watercare Services Ltd of the time and duration of the intended shut down at least 48 hours in advance.
6. Vector Limited shall submit an Outline Plan of Works to Auckland Council in accordance with Section 176A of the Resource Management Act 1991. In addition to the matters listed in Section 176A(3), the Outline Plan shall describe and include details on the following:
 - a. The alignment of the cable(s) within the corridor and the width of the corridor.
 - b. The distance that any trench will be located from residential zoned properties and the depth of that trench and any measures to prevent the movement of earth on adjoining properties.
 - c. The location, size, function and effects (including noise) of all above-ground structures.
 - d. Measures to avoid, remedy or mitigate the potential effects of construction and maintenance activities on existing water, stormwater and wastewater services;

- e. Measures to avoid, remedy or mitigate the potential effects arising from the physical presence of the cable on the operation of water, stormwater and wastewater services;
- f. Measures to avoid, remedy or mitigate the potential effects arising from the physical presence of the cable on the future construction of water, stormwater and wastewater services;
- g. The minor extension to the Wairau Road substation; and
- h. Such other matters as required to satisfy the conditions of this designation.

Services

- 7. During the detailed design and subsequent construction activities, Vector Limited and its agents shall liaise with Watercare Services Ltd prior to undertaking any work in relation to the designation and shall ensure that all existing utility services located in or adjacent to the designation are:

Protected from any activity which may interfere with the proper functioning of the services; and

If damaged, repaired or replaced; Any costs associated with the protection, repair or replacement of existing services maintained by the Council shall be at Vector's expense, to the reasonable satisfaction of Watercare Services Ltd.

- 8. All cables shall be installed in accordance with the relevant New Zealand Codes of Practice, including NZECP 34 and 35.
- 9. When laying the cable close to existing metallic pipelines Vector Limited shall ensure the associated service does not breach the requirements of AS/NZS 4653:2000.
- 10. Vector Limited shall undertake a safety study, as part of the detailed design process, to demonstrate that induced and transferred potentials to other services would not be hazardous to personnel working on those services. An appropriate independent body shall review the study and recommend any relevant design modifications.
- 11. Vector Limited shall review the possible effects that electric and magnetic fields may have on other existing underground services within the corridor, ensuring that all practicable measures are taken to minimise those effects.
- 12. The 'as-built' plans (in accordance with the Council's Asset Data Standards manual) shall be submitted to the Council immediately after the completion of all construction.

Property Access

- 14. Vehicular and pedestrian access shall be maintained to the Wastewater Treatment Plant, Rosedale Park and Rosedale Park South at all times during construction.
- 15. In the event that Vector Limited requires access to the North Shore Transmission Corridor via the Wastewater Treatment Plant site for construction and maintenance activities, all personnel and contractors of Vector Limited are to comply with access controls and health and safety requirements applying to the Wastewater Treatment Plant site.

Trees

- 16. A Vegetation Mitigation Plan shall be prepared prior to the commencement of construction works within the corridor and shall be subject to the prior approval of the Auckland Council's Manager - Parks, Sports and Recreation Department. The purpose of the Vegetation Mitigation Plan is to set out the measures for works around any protected trees and shall contain appropriate measures:
 - a. To minimise the impact on protected trees, wherever possible;

- b.. To develop a staged landscape plan for the remnant orchard trees in the George Pannill Reserve which includes suitable consultation with the Manager - Parks, Sports and Recreation Department and with local residents. The purpose of this landscape plan is to retain the general character of the orchard remnant and improve the overall amenity of the area;
- c. To indicate that where trees are required to be removed, these be replaced or replaced in close proximity, on a tree for tree basis, unless otherwise directed by the Manager - Parks, Sports and Recreation Department and that the replacement planting is maintained in accordance with the design infrastructure manual for a period of 18 months following planting; and
- d. To reasonably minimise the need for removal of large trees and other vegetation which provide visual screening of the Wastewater Treatment Plant site from residential areas, Rosedale Park and Rosedale Park South.

The landscape plan for the George Pannill Reserve shall be prepared well in advance of construction to enable discussion with the Manager - Parks, Sports and Recreation Department and reflect suitable consultation with local residents. For the purposes of this condition, the monetary limit of any Vector Limited contribution pursuant to both this designation and Designation 179A to fruit tree replacement in the George Pannill Reserve shall be \$2500 (plus GST). As part of the Vegetation Mitigation Plan, Vector Limited shall provide suitable planting within that part of the corridor that adjoins the rear boundary of 16 Jade Court, Albany.

- 17. In the event that trees providing visual screening to the Wastewater Treatment Plant Site need to be removed as a result of the installation of proposed underground cables, Vector Limited, in consultation with Watercare Services Ltd and the Council's Manager - Resource consents and compliance, shall, where practicable, plant suitable replacement trees to provide a similar level of visual screening from residential areas, Rosedale Park and Rosedale Park South as existed prior to the removal of the trees.

Watercourses/Open Channels

- 18. Crossings over open channels and watercourses will need to be above the 1% AEP flood plain level with an adequate freeboard provided. Alternatively if a cable crossing is proposed to go under a watercourse, then adequate cover and protection will need to be provided to allow for possible future channel erosion and for channel maintenance activities. Adequate cover and protection will also be required where the cables cross pipes and other stormwater assets. Details of the channel and watercourse crossings shall be submitted to the Council's Manager - Resource consents and compliance for approval.

In particular the following crossings need to be fully assessed:

- a. The Oteha Stream tributary between Albany Highway and Vanderbilt Parade;
- b. The Oteha Stream tributary between Vanderbilt Parade and Northwood Avenue;
- c. The Alexandra Stream near Bush Road;
- d. The concrete lined channels between Sunnynook Road and Porana Road; and
- e. The Wairau channel near the substation.

Traffic Disturbance

- 19. A Traffic Management Plan shall be submitted to the Road Controlling Authority (i.e. Auckland Transport) for approval, at least 20 working days prior to the commencement of construction of each cable length. Construction activity shall be undertaken in accordance with the approved Traffic Management Plan. The primary purpose of the Traffic Management Plan is to set out the mitigation measures that will be put in place for that phase of the project to ensure that traffic disruption associated with construction activities is minimised as far as it is practicable.

Dust

20. Best practicable measures shall be employed (e.g. watering of the construction area) to ensure any dust nuisance beyond the boundary of the corridor is minimised.
21. All spoil shall be removed from the site so that no spoil or construction materials likely to generate dust are stored or stockpiled on site.

Water Quality

22. Best practicable measures shall be employed to ensure that the discharge of sediment into any water body is avoided or minimised.
23. Excess material shall be placed directly into trucks or bins for removal off site thereby minimising the amount of loose sediment bearing materials on the site.
24. Cesspit filters shall be installed prior to the excavations commencing where there is a risk of runoff to an existing drainage network. This is to be augmented by the use of silt fences where these are able to be installed or are necessary. It is anticipated that silt fences will be primarily used in areas where the works pass close to an open watercourse.
25. Should the excavation require dewatering, then the contractor shall be expected to either discharge the liquids into another part of the trench (e.g. with scoria backfilling) via a portable settling tank, or across a grassed strip (provided the grass was long and a silt fence or cesspit filter was in place down gradient).
26. Backfilling, compaction and grading shall be undertaken as soon as possible after the laying of trenches, followed by re-sowing to re-instate surfaces to a condition which existed before the trenching.

Distance from Residential Boundaries

27. The trenches for laying underground cables shall be located a minimum distance of 1.5m from any residentially zoned property.

Hours of Work

28. The hours of work shall be restricted to 7 am to 6 pm Monday to Friday, 8 am to 6 pm Saturday, with no construction work undertaken on Sundays and Public Holidays.

Property Access

29. Construction of the cable shall be undertaken in such a manner as to ensure that reasonable access to properties on the cable route shall be maintained at all times.

Construction Noise

30. During construction, New Zealand Noise Standard 6803 NZS: 1999 Acoustics - Construction Noise shall be complied with.
31. Vector Limited and its contractors shall, in addition to complying with all other construction related conditions, take all reasonable steps to prevent or mitigate any nuisance or damage to adjacent properties during construction.

Archaeological

32. If any archaeological remains are uncovered during construction, Vector Limited shall immediately notify the Council and engage an archaeologist (to be approved by Council) to investigate and report on the importance of the remains.
33. Vector Limited shall immediately advise local kaumatua and the New Zealand Historic Places Trust and cease working in the affected area until all necessary authority required by the New Zealand Historic Places Trust is obtained.

Completion of Construction

34. On completion of construction, all carriageways, road markings, signs, property access ways, drainage systems and other structures shall be restored to a standard at least comparable to their condition before the commencement of construction and shall be made good as soon as practicable.

Monitoring

35. Within six (6) months of the commencement of operation of the 110kV underground line Vector Limited shall supply to Council's Manager - Resource Consents and Compliance the results of a magnetic field survey that measures and appropriately illustrates the combined effect of the existing overhead and new underground lines, such field strength measurements to be taken at one metre above ground level and at intervals of not less than 400m or more than 800m along the length of the corridor (excluding roads). The Council may, depending on the significance of the results compared with recognised acceptable thresholds (see eg, condition 5), require a repeat of the survey at a future date to be agreed between the parties
36. That provision be made for the removal of existing trees located in the corridor directly affected by the proposed location of the cable trenches, and that any replacement planting that may be required be determined by consultation and agreement between Vector Limited and Council's Manager - Resource consents and compliance.

Attachments

No attachments.

8853 Ranui Substation

| | |
|----------------------|--|
| Designation Number | 8853 |
| Requiring Authority | Vector Ltd |
| Location | 37 Don Buck Road, Massey |
| Rollover Designation | Yes |
| Legacy Reference | Designation V18, Auckland Council District Plan (Waitakere Section) 2003 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. The electricity substation shall be constructed in general accordance with "Notice of A Requirement by a Requiring Authority for a Designation Under Section 168 of the Resource Management Act 1991" (being the notice by Vector Limited for a designation for Electricity Supply Purposes - Substation), received by Council on 3rd March 2008 and referenced by Council as LUC 2008 351, including further information submitted to Council as part of the notice of requirement. This includes the proposed landscaping and 1.8 metre high visually permeable fencing along the front and rear boundaries of the site (with the installation of a gate along the front boundary). The landscaping shall be implemented in the first planting season after the construction of the electricity substation.
2. If the final design and layout does not reflect that submitted with the Notice of Requirement, an Outline Plan shall be submitted in accordance with section 176A of the Resource Management Act. This Outline Plan is to include confirmation that the substation has been designed so that it can continue to operate during 1% annual exceedance probability flood events.
3. An Outline Plan shall be submitted in accordance with section 176A of the Resource Management Act prior to the construction of the second transformer. This Outline Plan is to include confirmation that the substation has been designed so that it can continue to operate during 1% annual exceedance probability flood events.
4. Operational noise from the electricity substation shall not exceed the following levels as measured at any residential boundary:
 - a. At all times - 35dBA, L10 (10 minutes); and
 - b. Noise shall be measured and assessed in accordance with "NZS6801:2008 Measure of Sound", and "NZS6802:2008 Assessment of Environmental Sound".
5. The requiring authority shall, at its expense, provide an acoustic report from a suitably qualified, experienced and recognised acoustic engineer within three months of the installation and commissioning of each of the proposed two transformers demonstrating compliance with the noise levels permitted in condition (d) above. The acoustic report shall be submitted to the Manager, Resource Consents and Compliance.
6. The electricity substation shall be designed and constructed so that it can continue to operate during 1% annual exceedance probability flood events.
7. The electricity substation shall comply with New Zealand electric and magnetic field reference limits as documented in the National Radiation Laboratory publication "Electric Magnetic Fields and Your Health" (2001).

8. The requiring authority shall, at its expense, provide a report from a suitably qualified, experienced and recognised electrical engineer within three months of the installation and commissioning of each of the proposed two transformers demonstrating compliance with the electric and magnetic field reference limits permitted in condition (g) above. The report shall be submitted to the Manager, Resource Consents and Compliance.
9. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.
10. Noise from construction activities shall not exceed the limits specified in, and shall be measured and assessed in accordance with, the New Zealand Standard NZS 6803:1999, Acoustics - Construction Noise.
11. To ensure that section 176A 3(f) of the Act has been adequately addressed, an outline plan shall include, as appropriate:
 - a. A statement on the relevant Plan objectives, policies and rules; and
 - b. A statement on any adverse effects the works will have on the environment and the mitigation measures to be carried out.

Explanation:

While it is accepted that the project or works will be (or should be) in accordance with the designated purpose, the Council wishes to be reasonably assured that the specific works to be carried out will not unnecessarily compromise the objectives, policies and rules of the Plan or adversely affect the environment. The Council's principal opportunity to influence the works to assist the requiring authority to meet its environmental responsibilities is through the outline plan, and the assessment of compliance and effects will assist it in determining whether to request changes.

Advice Notes

1. The requiring authority has confirmed that if, at the time of construction, the adjoining property owners agree, it will replace the existing side boundary fences with 1.8m close boarded fences.
2. That major earthworks may require a regional consent from the Auckland Council.

Attachments

No attachments.

8864 Red Beach Substation

| | |
|----------------------|---|
| Designation Number | 8864 |
| Requiring Authority | Vector Ltd |
| Location | 32A Red Beach Road, Red Beach |
| Rollover Designation | Yes |
| Legacy Reference | Designation 615, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

- 1A Except as provided for in 1A(c) below, noise from this substation shall not exceed the following noise limits:
- a. 55 dB L_{Aeq} between Monday to Saturday 7am to 10pm and Sundays 9am to 6pm and
 - b. 45 dB L_{Aeq} /75 dB L_{Amax} for all other times.
 - c. Noise from this substation can exceed the limits in (a) and (b) if the adjacent zone has a higher noise limit, provided that the noise limit in that zone is not exceeded.
- 1B Noise levels must be measured in accordance with NZS6801:2008 "Acoustics – Measurement of environmental sound" and assessed in accordance with NZS6802:2008 "Acoustics – Environmental noise", and shall be measured within the boundary of a site or, for the Rural zone, within the notional boundary of a site.
2. The substation shall comply with the International Commission on Nonionising Radiation Protection Guidelines for limiting exposure to time varying electric magnetic fields (1Hz – 100kHz) (Health Physics, 2010, 99(6): 818836) and recommendations from the World Health Organisation monograph Environment Health Criteria (No 238, June 2007)

Attachments

No attachments.

8868 Bush Road Substation

| | |
|----------------------|---|
| Designation Number | 8868 |
| Requiring Authority | Vector Ltd |
| Location | 179 Bush Road, Rosedale |
| Rollover Designation | Yes |
| Legacy Reference | Designation 63, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

8873 Quay Substation

| | |
|----------------------|--|
| Designation Number | 8873 |
| Requiring Authority | Vector Ltd |
| Location | 16-18 Plumer Street, Auckland Central |
| Rollover Designation | Yes |
| Legacy Reference | Designation 287, Auckland Council District Plan (Central Section) 2005 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

8874 Hobson Substation

| | |
|----------------------|--|
| Designation Number | 8874 |
| Requiring Authority | Vector Ltd |
| Location | 13-21 Hobson Street, Auckland Central |
| Rollover Designation | Yes |
| Legacy Reference | Designation 289, Auckland Council District Plan (Central |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

8879 Highbury Substation

| | |
|----------------------|---|
| Designation Number | 8879 |
| Requiring Authority | Vector Ltd |
| Location | 18 Highbury Bypass, Birkenhead |
| Rollover Designation | Yes |
| Legacy Reference | Designation 72, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

8885 Wairau Valley Substation

| | |
|----------------------|---|
| Designation Number | 8885 |
| Requiring Authority | Vector Ltd |
| Location | 4A Wairau Road, Torbay |
| Rollover Designation | Yes |
| Legacy Reference | Designation 78, Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

8891 Omaha Substation

| | |
|----------------------|---|
| Designation Number | 8891 |
| Requiring Authority | Vector Ltd |
| Location | Leigh Road (Pt Allot 31 SO 64696), Big Omaha |
| Rollover Designation | Yes |
| Legacy Reference | Designation 603, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | 31 August 2027 |

Purpose

Electricity works (substation).

Conditions**Outline Plan**

1. An outline plan shall be submitted in accordance with section 176A of the Resource Management Act 1991 to the council before any construction is commenced.

Landscape Plan

2. An outline plan submitted to council shall include a detailed landscape plan, including an implementation and maintenance programme.
3. The plan shall include details of the plant sizes at the time of planting and intended species. Preference should be given to the use of indigenous species, with a further preference for the use of local genetic stock. Such a plan shall include appropriate measures to reduce adverse effects on visual amenity and to provide screening of the substation building viewed from neighbouring properties and Omaha Valley Road, Leigh Road and Quintal Road.

Operational Noise

- 4A Except as provided for in 4A(c) below, noise from this substation shall not exceed the following noise limits:
 - a. 55 dB LAeq between Monday to Saturday 7am to 10pm and Sundays 9am to 6pm and
 - b. 45 dB LAeq/75 dB LMax for all other times.
 - c. Noise from this substation can exceed the limits in (a) and (b) if the adjacent zone has a higher noise limit, provided that the noise limit in that zone is not exceeded.
- 4B Noise levels must be measured in accordance with NZS6801:2008 "Acoustics – Measurement of environmental sound" and assessed in accordance with NZS6802:2008 "Acoustics – Environmental noise", and shall be measured within the boundary of a site or, for the Rural zone, within the notional boundary of a site.

Attachments

No attachments.

8897 Gulf Harbour Substation

| | |
|----------------------|---|
| Designation Number | 8897 |
| Requiring Authority | Vector Ltd |
| Location | 91 Gulf Harbour Drive, Hobbs Bay |
| Rollover Designation | Yes |
| Legacy Reference | Designation 609, Auckland Council District Plan (Rodney Section) 2011 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions**Outline Plan**

1. An outline plan shall be submitted in accordance with s. 176A of the Resource Management Act (1991) to the council before any construction is commenced.

Landscape Plan

2. An outline plan submitted to council shall include a detailed landscape plan, including an implementation and maintenance programme.
3. The plan shall include details of the plant sizes at the time of planting and intended species. Preference should be given to the use of indigenous species, with a further preference for the use of local genetic stock. Such a plan shall include appropriate measures to reduce adverse effects on visual amenity and to provide screening of the substation building viewed from neighbouring properties and Gulf Harbour Drive, Harbour Village Drive and Laurie Southwick Parade.

Operational Noise

- 4A Except as provided for in 4A(c) below, noise from this substation shall not exceed the following noise limits:
 - a. 55 dB L_{Aeq} between Monday to Saturday 7am to 10pm and Sundays 9am to 6pm and
 - b. 45 dB L_{Aeq} /75 dB L_{Amax} for all other times.
 - c. Noise from this substation can exceed the limits in (a) and (b) if the zone or any applicable interface rule has a higher noise limit that would otherwise apply to that boundary of the substation site, provided that the higher noise limit at that boundary is not exceeded.
- 4B Noise levels must be measured in accordance with NZS6801:2008 "Acoustics - Measurement of environmental sound" and assessed in accordance with NZS6802:2008 "Acoustics - Environmental noise", and shall be measured within the boundary of a site or, for the Rural zone, within the notional boundary of a site.

Attachments

No attachments.

8903 Ponsonby Substation

| | |
|----------------------|---|
| Designation Number | 8903 |
| Requiring Authority | Vector Ltd |
| Location | 99 Lincoln Street, Ponsonby |
| Rollover Designation | Yes |
| Legacy Reference | Designation C0605, Auckland City Council District Plan (Isthmus Section) 1999 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

No conditions.

Attachments

No attachments.

8905 Rosedale Substation [MARK-UP]

| | |
|----------------------|---|
| Designation Number | 8905 |
| Requiring Authority | Vector Ltd |
| Location | 115 Rosedale Road, Rosedale |
| Rollover Designation | Yes |
| Legacy Reference | Designation 194 , Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions**1. General**

- a. That the scope and extent of the works within the designated area be in accordance with the Notice of Requirement, dated 20 December 2012, for the designation of land for “Electrical Works (Substation)”, at 115 Rosedale Road, Pinehill, being Lot 2 DP 459157. For reference, the design and layout plans submitted with the Notice of Requirement are:

| Plan | Drawing Number | Dated: |
|-----------------------------------|------------------------------|---------------|
| Concept Site Plan – Stage 2 | V7-SK02 - Revision | 1 07.12.2012 |
| Site Layout and Services | 4528-8021 – Revision E Sheet | 1 14.12.2012 |
| Concept Sections | V7-SK06 – Revision | 1 07.12.2012 |
| Elevations | 4258-8022 – Revision 3 Sheet | 1 14.12.2012 |
| Concept Elevations | V7-SK05 | 07.12.2012 |
| Concept Site 3D Images | V7-SK07 | 07.12.2012 |
| Landscape Plan | 4258-8024 – Revision 4 Sheet | 1 14.12.2012 |
| Civil Layout and Stormwater Plan | CV-0001 – Revision D | 18.12.2012 |
| Erosion and Sediment Control Plan | CV-0003 – Revision A | 13.12.2012 |

- b. The designation shall lapse on the expiry of a period of 10 years after the date it is included in the Unitary Plan in accordance with section 184(1)(c) of the Resource Management Act 1991, unless:
- i. It is given effect to before the end of that period; or
 - ii. The Auckland Council determines, on an application made within 3 months before the expiry of that period, that substantial progress or effort has been made towards giving effect to the designation and is continuing to be made, and fixes a longer period under section 184(2)(b) of the Act.

2. Outline Plan

The requirement for an Outline Plan has been waived but if the design and layout of the substation does not reflect the design and layout submitted with the Notice of Requirement in accordance with Condition 1, or in the case of any future works, an Outline Plan shall be submitted in accordance with section 176A of the Resource Management Act 1991 to the Auckland Council — ~~Northern Resource Consenting and Compliance (Takapuna Service Centre)~~ — unless the works are permitted under the provisions of the Unitary Auckland Council District Plan (North Shore Section).

3. Noise

- a. The substation will comply with the following noise control:

| | |
|--|-----------|
| At the boundary of any other site At all times | 70dBA Leq |
|--|-----------|

- b. Noise shall be measured in accordance with the requirements of NZS6801:2008 'Acoustics – Measurement of Environmental Sound' and assessed in accordance with NZS 6802:2008 'Acoustics – Environmental Noise'. Noise shall be measured with a sound level meter complying with the international standard Sound Level Meters, Type 1.

4. Electricity Supply and Distribution Statutes and Regulations

- a. The substation shall at all times not exceed the reference levels for public exposure to 50Hz electric and magnetic fields set out in the International Commission on Non-Ionising Radiation Protection 2010 (ICNIRP) at the site boundaries.
- b. Within 6 months of the substation commencing operation, a noise monitoring report and EMF report with measurement results shall be provided to Auckland Council ~~Northern Office~~ to confirm the compliance with noise limits set in Condition 3(a) and EMF limits set in Condition 4(a) when the substation is at full capacity and at peak loads.

5. Tree Protection and Landscaping

The landscaping shall be undertaken in general accordance with the Vector Limited Drawing 4258-8024 Revision 4 and shall be completed in the first planting season after the construction of the substation.

6. Earthworks, Erosion and Sediment Control

- a. The sediment and erosion control plan (SKM Drawing CV-0003 Revision A) shall be implemented during the bulk earthworks.
- b. Development shall take account of any recommendations of existing or future geotechnical reports. A copy of any future report obtained shall be provided for the records of the Council.

7. Stormwater and Flooding Potential

The detailed design of the stormwater management system for the site shall be designed and constructed in accordance with the report and supporting plans and documents prepared by SKM titled "Rosedale Flood Assessment Report" (Reference ZP01221), dated 13 December 2012 (Reference ZP01221), and SKM Drawing No. CV-001 – Revision D dated 18 December 2012.

8. Traffic Management

A Traffic Management Plan shall be prepared and submitted to Auckland Transport prior to commencement of the construction of the substation.

9. Hazardous Substances

A site management plan shall be prepared and implemented to address the following:

- a. Monitoring and maintenance of the transformer and the containment systems.
- b. Site housekeeping.
- c. Emergency and spill contingency procedures.

10. Archaeology

In the event that any archaeological sites or remains are discovered during the earthworks, then the works at that place of discovery will cease immediately. The New Zealand Historic Places Trust, kaumatua representing the local Tangata Whenua, the Auckland Council, and the New Zealand Police as appropriate, shall be contacted. Work shall only recommence in the affected area when any necessary statutory authorisations or consents have been obtained.

11. Fencing

The site shall be fully fenced and gated.

Attachments

No attachments.

8905 Rosedale Substation

| | |
|----------------------|---|
| Designation Number | 8905 |
| Requiring Authority | Vector Ltd |
| Location | 115 Rosedale Road, Rosedale |
| Rollover Designation | Yes |
| Legacy Reference | Designation 194 , Auckland Council District Plan (North Shore Section) 2002 |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions**1. General**

- a. That the scope and extent of the works within the designated area be in accordance with the Notice of Requirement, dated 20 December 2012, for the designation of land for "Electrical Works (Substation)", at 115 Rosedale Road, Pinehill, being Lot 2 DP 459157. For reference, the design and layout plans submitted with the Notice of Requirement are:

| Plan | Drawing Number | Dated: |
|-----------------------------------|------------------------------|--------------|
| Concept Site Plan – Stage 2 | V7-SK02 - Revision | 1 07.12.2012 |
| Site Layout and Services | 4528-8021 – Revision E Sheet | 1 14.12.2012 |
| Concept Sections | V7-SK06 – Revision | 1 07.12.2012 |
| Elevations | 4258-8022 – Revision 3 Sheet | 1 14.12.2012 |
| Concept Elevations | V7-SK05 | 07.12.2012 |
| Concept Site 3D Images | V7-SK07 | 07.12.2012 |
| Landscape Plan | 4258-8024 – Revision 4 Sheet | 1 14.12.2012 |
| Civil Layout and Stormwater Plan | CV-0001 – Revision D | 18.12.2012 |
| Erosion and Sediment Control Plan | CV-0003 – Revision A | 13.12.2012 |

- b. The designation shall lapse on the expiry of a period of 10 years after the date it is included in the Unitary Plan in accordance with section 184(1)(c) of the Resource Management Act 1991, unless:
- i. It is given effect to before the end of that period; or
 - ii. The Auckland Council determines, on an application made within 3 months before the expiry of that period, that substantial progress or effort has been made towards giving effect to the designation and is continuing to be made, and fixes a longer period under section 184(2)(b) of the Act.

2. Outline Plan

The requirement for an Outline Plan has been waived but if the design and layout of the substation does not reflect the design and layout submitted with the Notice of

Requirement in accordance with Condition 1, or in the case of any future works, an Outline Plan shall be submitted in accordance with section 176A of the Resource Management Act 1991 to the Auckland Council unless the works are permitted under the provisions of the Unitary Plan.

3. Noise

- a. The substation will comply with the following noise control:

| | |
|--|-----------|
| At the boundary of any other site At all times | 70dBA Leq |
|--|-----------|

- b. Noise shall be measured in accordance with the requirements of NZS6801.2008 'Acoustics – Measurement of Environmental Sound' and assessed in accordance with NZS 6802:2008 'Acoustics – Environmental Noise'. Noise shall be measured with a sound level meter complying with the international standard Sound Level Meters, Type 1.

4. Electricity Supply and Distribution Statutes and Regulations

- a. The substation shall at all times not exceed the reference levels for public exposure to 50Hz electric and magnetic fields set out in the International Commission on Non-Ionising Radiation Protection 2010 (ICNIRP) at the site boundaries.
- b. Within 6 months of the substation commencing operation, a noise monitoring report and EMF report with measurement results shall be provided to Auckland Council to confirm the compliance with noise limits set in Condition 3(a) and EMF limits set in Condition 4(a) when the substation is at full capacity and at peak loads.

5. Tree Protection and Landscaping

The landscaping shall be undertaken in general accordance with the Vector Limited Drawing 4258-8024 Revision 4 and shall be completed in the first planting season after the construction of the substation.

6. Earthworks, Erosion and Sediment Control

- a. The sediment and erosion control plan (SKM Drawing CV-0003 Revision A) shall be implemented during the bulk earthworks.
- b. Development shall take account of any recommendations of existing or future geotechnical reports. A copy of any future report obtained shall be provided for the records of the Council.

7. Stormwater and Flooding Potential

The detailed design of the stormwater management system for the site shall be designed and constructed in accordance with the report and supporting plans and documents prepared by SKM titled "Rosedale Flood Assessment Report" (Reference ZP01221), dated 13 December 2012 (Reference ZP01221), and SKM Drawing No. CV-001 – Revision D dated 18 December 2012.

8. Traffic Management

A Traffic Management Plan shall be prepared and submitted to Auckland Transport prior to commencement of the construction of the substation.

9. Hazardous Substances

A site management plan shall be prepared and implemented to address the following:

- a. Monitoring and maintenance of the transformer and the containment systems.

- b. Site housekeeping.
- c. Emergency and spill contingency procedures.

10. Archaeology

In the event that any archaeological sites or remains are discovered during the earthworks, then the works at that place of discovery will cease immediately. The New Zealand Historic Places Trust, kaumatua representing the local Tangata Whenua, the Auckland Council, and the New Zealand Police as appropriate, shall be contacted. Work shall only recommence in the affected area when any necessary statutory authorisations or consents have been obtained.

11. Fencing

The site shall be fully fenced and gated.

Attachments

No attachments.

R8906 Hillsborough Substation

| | |
|----------------------|--------------------------------------|
| Designation Number | R8906 |
| Requiring Authority | Vector Ltd |
| Location | 105 Hillsborough Road, Hillsborough |
| Rollover Designation | No |
| Legacy Reference | N/A |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. The substation equipment is to be fully enclosed within a building.
2. The maximum height of the substation building will be 8.5m.
3. The substation building will have a minimum set-back from the Hillsborough Road boundary of 2.5m.
4. The substation building will have a minimum set-back from the northern residential boundary of 6m.
- 5A Except as provided for in 2A(c) below, noise from this substation shall not exceed the following noise limits:
 - a. 55 dB LAeq between Monday to Saturday 7am to 10pm and Sundays 9am to 6pm and
 - b. 45 dB LAeq/75 dB LAmax for all other times.
 - c. Noise from this substation can exceed the limits in (a) and (b) if the zone or any applicable interface rule has a higher noise limit that would otherwise apply to that boundary of the substation site, provided that the higher noise limit at that boundary is not exceeded.
- 5B Noise levels must be measured in accordance with NZS6801:2008 "Acoustics – Measurement of environmental sound" and assessed in accordance with NZS6802:2008 "Acoustics – Environmental noise", and shall be measured within the boundary of a site or, for the Rural zone, within the notional boundary of a site.
6. The substation shall at all times not exceed the reference levels for public exposure to 50 Hz electric and magnetic fields set out in the International Commission on Non-Ionising Radiation Protection 2010 (ICNIRP) at the site boundary.

Attachments

No attachments.

R8907 Nicholas Street Substation

| | |
|----------------------|---|
| Designation Number | R8906 |
| Requiring Authority | Vector Ltd |
| Location | 10 Nicholas Street, Auckland Central |
| Rollover Designation | No |
| Legacy Reference | N/A |
| Lapse Date | This designation will lapse on 31 August 2027 unless given effect to. |

Purpose

Electricity works (substation).

Conditions

1. The substation equipment is to be fully enclosed within a building.
- 2A Except as provided for in 2A(c) below, noise from this substation shall not exceed the following noise limits:
 - a. 55 dB LAeq between Monday to Saturday 7am to 10pm and Sundays 9am to 6pm and
 - b. 45 dB LAeq/75 dB LMax for all other times.
 - c. Noise from this substation can exceed the limits in (a) and (b) if the zone or any applicable interface rule has a higher noise limit that would otherwise apply to that boundary of the substation site, provided that the higher noise limit at that boundary is not exceeded.
- 2B Noise levels must be measured in accordance with NZS6801:2008 "Acoustics – Measurement of environmental sound" and assessed in accordance with NZS6802:2008 "Acoustics – Environmental noise", and shall be measured within the boundary of a site or, for the Rural zone, within the notional boundary of a site.
3. The substation shall at all times not exceed the reference levels for public exposure to 50 Hz electric and magnetic fields set out in the International Commission on Non-Ionising Radiation Protection 2010 (ICNIRP) at the site boundary. 4. Appropriate sediment and erosion control measures shall be employed for any earthworks on the site.

Attachments

No attachments.

R8908 Waitakere Substation

| | |
|----------------------|---|
| Designation Number | R8908 |
| Requiring Authority | Vector Ltd |
| Location | 3 Bethells Road, Waitakere Village |
| Rollover Designation | No |
| Legacy Reference | N/A |
| Lapse Date | This designation will lapse on 31 August 2027 unless given effect to. |

Purpose

Electricity works (substation).

Conditions

1. The substation equipment is to be fully enclosed within a building.
2. The substation building will have a minimum set-back from the front boundary of 6m.
3. The maximum height of the substation building will be 8.5m.
- 4A Except as provided for in 2A(c) below, noise from this substation shall not exceed the following noise limits:
 - a. 55 dB LAeq between Monday to Saturday 7am to 10pm and Sundays 9am to 6pm and
 - b. 45 dB LAeq/75 dB LMax for all other times.
 - c. Noise from this substation can exceed the limits in (a) and (b) if the zone or any applicable interface rule has a higher noise limit that would otherwise apply to that boundary of the substation site, provided that the higher noise limit at that boundary is not exceeded.
- 4B Noise levels must be measured in accordance with NZS6801:2008 "Acoustics – Measurement of environmental sound" and assessed in accordance with NZS6802:2008 "Acoustics – Environmental noise", and shall be measured within the boundary of a site or, for the Rural zone, within the notional boundary of a site.
5. At no time between the hours of 2200 and 0700 shall any outdoor lighting be used in a manner that the use of such lighting causes an added luminance in excess of 20 lux measured horizontally or vertically at any point along the boundary of any adjoining residential zoned site.
6. The substation shall at all times not exceed the reference levels for public exposure to 50 Hz electric and magnetic fields set out in the International Commission on Non-Ionising Radiation Protection 2010 (ICNIRP) at the site boundary.
7. A landscaping plan shall be submitted with the first Outline Plan and will be implemented in the first planting season after the construction of the substation.
8. Appropriate sediment and erosion control measures shall be employed for any earthworks on the site.

Attachments

No attachments.

R8909 Warkworth Substation

| | |
|----------------------|---|
| Designation Number | R8909 |
| Requiring Authority | Vector Ltd |
| Location | 5 Glenmore Drive, Warkworth |
| Rollover Designation | No |
| Legacy Reference | N/A |
| Lapse Date | This designation will lapse on 31 August 2027 unless given effect to. |

Purpose

Electricity works (substation).

Conditions

1. The substation equipment is to be fully enclosed within a building.
2. The substation building will have a minimum set-back from the rear boundary of 6m.
3. The maximum height of the substation building will be 8.5m.
- 4A Except as provided for in 2A(c) below, noise from this substation shall not exceed the following noise limits:
 - a. 55 dB LAeq between Monday to Saturday 7am to 10pm and Sundays 9am to 6pm and
 - b. 45 dB LAeq/75 dB LMax for all other times.
 - c. Noise from this substation can exceed the limits in (a) and (b) if the zone or any applicable interface rule has a higher noise limit that would otherwise apply to that boundary of the substation site, provided that the higher noise limit at that boundary is not exceeded.
- 4B Noise levels must be measured in accordance with NZS6801:2008 "Acoustics – Measurement of environmental sound" and assessed in accordance with NZS6802:2008 "Acoustics – Environmental noise", and shall be measured within the boundary of a site or, for the Rural zone, within the notional boundary of a site.
5. At no time between the hours of 2200 and 0700 shall any outdoor lighting be used in a manner that the use of such lighting causes an added luminance in excess of 20 lux measured horizontally or vertically at any point along the boundary of any adjoining residential zoned site.
6. The substation shall at all times not exceed the reference levels for public exposure to 50 Hz electric and magnetic fields set out in the International Commission on Non-Ionising Radiation Protection 2010 (ICNIRP) at the site boundary.
7. A landscaping plan shall be submitted with the first Outline Plan and will be implemented in the first planting season after the construction of the substation.
8. Appropriate sediment and erosion control measures shall be employed for any earthworks on the site.

Attachments

No attachments.

R8910 Westgate Substation

| | |
|----------------------|---|
| Designation Number | R8910 |
| Requiring Authority | Vector Ltd |
| Location | 1 Westgate Drive, Westgate |
| Rollover Designation | No |
| Legacy Reference | N/A |
| Lapse Date | This designation will lapse on 31 August 2027 unless given effect to. |

Purpose

Electricity works (substation).

Conditions

1. The substation equipment is to be fully enclosed within a building.
2. The maximum height of the substation building will be 8.5m.
- 3A Except as provided for in 2A(c) below, noise from this substation shall not exceed the following noise limits:
 - a. 55 dB LAeq between Monday to Saturday 7am to 10pm and Sundays 9am to 6pm and
 - b. 45 dB LAeq/75 dB LAmax for all other times.
 - c. Noise from this substation can exceed the limits in (a) and (b) if the zone or any applicable interface rule has a higher noise limit that would otherwise apply to that boundary of the substation site, provided that the higher noise limit at that boundary is not exceeded.
- 3B Noise levels must be measured in accordance with NZS6801:2008 "Acoustics – Measurement of environmental sound" and assessed in accordance with NZS6802:2008 "Acoustics – Environmental noise", and shall be measured within the boundary of a site or, for the Rural zone, within the notional boundary of a site.
4. The substation shall at all times not exceed the reference levels for public exposure to 50 Hz electric and magnetic fields set out in the International Commission on Non-Ionising Radiation Protection 2010 (ICNIRP) at the site boundary.
5. A landscaping plan shall be submitted with the first Outline Plan and will be implemented in the first planting season after the construction of the substation.
6. Appropriate sediment and erosion control measures shall be employed for any earthworks on the site.

Attachments

No attachments.

R8911 Clevedon Substation

| | |
|----------------------|--------------------------------------|
| Designation Number | R8911 |
| Requiring Authority | Vector Ltd |
| Location | 1 Papakura-Clevedon Road, Papakura |
| Rollover Designation | No |
| Legacy Reference | N/A |
| Lapse Date | Given effect to (i.e. no lapse date) |

Purpose

Electricity works (substation).

Conditions

1. The substation equipment is to be fully enclosed within a building.
2. The substation shall at all times not exceed the reference levels for public exposure to 50 Hz electric and magnetic fields set out in the International Commission on Non-Ionising Radiation Protection 2010 (ICNIRP) at the site boundary.

Attachments

No attachments.