

COMMON SUBSTATION CONDITIONS

CONDITIONS

Documents

1. See: Appendix A for Pakuranga Substation
Appendix B for Otahuhu Substation
Appendix C for Brownhill Substation
Appendix D for Whakamaru and Whakamaru North Substation

Cultural/Spiritual

2. If any urupa, traditional sites, taonga (significant artefacts), koiwi (human remains) are exposed during site works, then the following procedures shall apply:
 - (a) works in the immediate vicinity of the site that has been exposed shall cease;
 - (b) the site supervisor shall immediately secure the area in a way that ensures that any remains or artefacts are untouched;
 - (c) the site supervisor shall notify representatives of relevant tangata whenua, the New Zealand Historic Places Trust, the **[relevant territorial authority]** and, in the case of human remains, the New Zealand Police; and
 - (d) the notification in (c) above shall allow such persons being given a reasonable time to record and recover archaeological features discovered before work may recommence on the exposed site.

Construction and maintenance noise

3. Subject to condition ***[immediately below]***, all construction and maintenance work shall be designed, managed and conducted to ensure that construction and

maintenance noise from the site does not exceed the limits in NZS6803:1999 Acoustics – Construction Noise at locations set out in Section 6.2 of that Standard.

4. The noise limits shall not apply to emergency work required to re-establish continuity of supply, work urgently required to prevent loss of life or other personal injury, or commissioning works at the substation site, but all practicable steps shall be undertaken to control noise and to avoid adverse noise effects particularly at times when the stricter noise limits apply (eg at night-time).
5. Prior to any significant construction work taking place, including any earthworks, a noise management plan shall be prepared, with the assistance of a suitably qualified and experienced person, that sets out the management procedures in terms of Section 8 and Annex E of NZS6803:1999 and the works shall be undertaken in accordance with that noise management plan.
6. The noise management plan required by condition **[immediately above]** shall be submitted to **[Council Consents Manager]** for approval, at least 20 working days prior to the works commencing. The **[Council Consents Manager]** shall respond within 15 working days indicating whether approval is given or refused. Approval shall not be unreasonably withheld.

Operational noise

7. See: Appendix A for Pakuranga Substation
Appendix B for Otahuhu Substation
Appendix C for Brownhill Substation
Appendix D for Whakamaru and Whakamaru North Substation

Radio frequency interference

8. All works shall be designed to comply with NZS 6869:2004 *Limits and Measurement Methods of Electromagnetic Noise from High Voltage a.c. Power Systems, 0.15 to 1000 MHZ.*

Vibration

9. All construction activities shall comply with German Standard DIN 4150 "structural vibration".

Hazardous substances

10. All works shall be designed to comply with Transpower's Oil Spill Management Policy (TPG:GS.54.01), Issue 2, June 2002.

Construction Management Plan (CMP)

11. Prior to commencement of any construction activity on the site, Transpower shall submit a construction management plan to the **[Council Consents Officer]**. The **[Council Consents Officer]** shall respond within 15 working days indicating whether approval is given or refused. Approval shall not be unreasonably withheld. The construction management plan shall detail the following:

- (a) the proposed earthworks methodology;
- (b) storage and reuse of topsoil;
- (c) on and off site disposal of soil;
- (d) silt and dust control;
- (e) traffic management for delivery of substation equipment and materials (excluding transformers) and general construction activities;
- (f) temporary equipment storage;
- (g) site security and lighting;
- (h) procedures for handling insulation oil;
- (i) compliance with designation conditions, including (where applicable) for:
 - (i) noise;
 - (ii) hours of operation;
 - (iii) accidental discovery protocol;

- (iv) protection of known archaeological sites;
- (j) community information and liaison (including local marae);
- (k) procedure for managing the accidental discovery of archaeological sites or sites of significance to Maori, including contractor training prior to commencement of work.

Earth potential rise

- 12. The works shall be designed and constructed to comply with regulations 58 to 60 of the Electricity Regulations 1997 as in force as at the date of confirmation of the designation.
- 13. Substation earth grids shall be designed, built, and tested to ensure electrical safety at or beyond the designation boundary in accordance with Transpower Standard TP.DS.52.01, Issue 2, January 2005.

Electric and magnetic fields (EMF)

- 14. The works shall be designed and constructed to limit the EMF exposure at or beyond the secure boundary of the substation site to the *International Committee on Non-Ionising Radiation Protection Guidelines for limiting exposure to time varying magnetic fields (up to 300 GHz) (Health Physics, 1998, 74(4): 494-522) (ICNIRP Guidelines)* public reference levels of 5kV/m for electric fields and 100µt for magnetic fields.

APPENDIX A: PAKURANGA SUBSTATION SITE SPECIFIC CONDITIONS

DESCRIPTION OF WORKS

- A. The designation applies to the land listed in Part 1A of the NoR documentation (**substation site**). **[Updated references for legal descriptions to be provided at a later date.]**
- B. The designation is for the ongoing use, maintenance and operation of the Pakuranga Substation. This includes the development of the substation site as part of the North Island Grid Upgrade Project, involving the replacement, operation and maintenance of the existing substation and the construction of a new 220kV substation, installation of 220kV underground cable circuits, and associated works. It also includes works associated with other upgrade projects, and all ancillary activities.

CONDITIONS

Documents

1. The initial construction works associated with the North Island Grid Upgrade Project shall be generally in accordance with the plan entitled "Pakuranga Substation NIGUP – Stage 2 Layout – Isometric", NTS 16/03/2007 PAKSKE1002-1.

This condition shall not limit any future buildings, structures or activities on the site, provided that they are within the scope of the designation as set out in A and B above and comply with the following conditions of this designation.

Cultural/spiritual

2. [See common conditions].

Construction and maintenance noise

3. [See common conditions].

Operational noise

4. All activities within the designation (except for construction and maintenance) shall be designed and operated to ensure that the following noise limits shall not be exceeded at or within the boundary of any residentially zoned site:

All days 7.00am to 10pm 45dBA L_{10}

All nights 10pm to 7am 35dBA L_{10}

All nights 10pm to 7am 70dBA L_{max}

5. Sound levels shall be measured and assessed in accordance with NZS6801:1991 Measurement of Sound and NZS6802:1991 Assessment of Environmental Sound.
6. Sound monitoring shall be undertaken by a suitably qualified and experienced person within one month of the commissioning of any new transformer. The results of the noise monitoring shall be made available to the Manukau City Council upon request.

Radio frequency interference

7. [See common conditions].

Vibration

8. [See common conditions].

Light spill

9. All exterior lighting shall be designed to comply with:
 - (a) AS/NZS 1158 Lighting for Roads and Public Spaces 2005 Part 3.1; and

- (b) Transpower's Requirements for Outdoor Switchyard Lighting Policy
TP GS41.01, Issue 3, April 2006.

Hazardous substances

10. [See common conditions].

Landscaping

11. A visual mitigation and ecological planting plan shall be prepared for the site and submitted at least two months prior to construction of works associated with the North Island Grid Upgrade Project to Manukau City Council's Manager – Resource Consents and Compliance for approval/certification. The Manager, Resource Consents and Compliance shall respond within 20 working days indicating whether approval is given or refused. Approval shall not be unreasonably withheld. The plan shall be in general accordance with the landscape mitigation concept plan (Map Book 6, Section 2) and shall consist of the following (subject to archaeological condition 14(e)):
- (a) planting around the south and west sides of the substation site;
 - (b) planting native plants indigenous to the locality on the terrace on the south and west sides of the substation site adjacent to the substation platform to connect with and extend restoration of the headwaters of the Pakuranga Creek, and including species such as kahikatea, totara, kanuka and cabbage trees, and such other species as are common to the locality;
 - (c) a description of the name (including botanical), numbers, location, spacing and size of the plant species to be used in mitigation and ecological planting;
 - (d) provided that suitable sources are available, all indigenous plants shall be propagated from a local, naturally occurring, seed source.
12. Once approved, the visual mitigation and ecological planting plan required under condition **[directly above]** may be altered or updated at any time with the

approval of the Manager – Resource Consents and Compliance. The Manager shall not unreasonably withhold his or her approval, and in particular for any changes to the plan required as a result of expansion of facilities within the substation site irrespective of whether the extent of landscaping is reduced as a result of that expansion.

13. Transpower shall implement the visual mitigation and ecological planting plan within the first planting season following completion of bulk earthworks on the site and shall thereafter maintain the planting to the satisfaction of Manukau City Council's Manager – Resource Consents and Compliance.

Archaeology: Known Archaeological Sites R11/2382, R11/2398 and R11/2381

14. Before any works associated with the North Island Grid Upgrade Project are carried out at the substation site, Transpower shall undertake the following:

- (a) Site R11/2398 shall be subject to investigation by a suitably qualified and experienced archaeologist (**project archaeologist**) prior to construction earthworks commencing;
- (b) All topsoil stripping, where significant earthworks have not occurred in the past, shall be monitored by the project archaeologist.

15. Before any works are carried out associated with the underground cable installation within the substation site for the North Island Grid Upgrade Project, Transpower shall undertake the following:

- (a) Sites R11/2381 and R11/2382 shall be subject to cadastral survey prior to site works plans being finalised, and these sites shall be avoided as far as practicable.
- (b) Should it be practicable to avoid either or both of the sites, the site or sites should be marked on all construction plans and have temporary fencing or barriers around their extent during construction to avoid accidental damage.
- (c) Should avoidance of the sites not be practicable, either and/or both sites should be investigated (subject to obtaining all necessary statutory

approvals) in accordance with standard archaeological practice prior to the construction process commencing. This investigation should include adjoining areas, up to 20m if necessary, to assess whether other undetected archaeological evidence is present.

- (d) All works in the stormwater management area, where significant earthworks have not occurred in the past, involving the stripping of topsoil should be monitored by an archaeologist.
- (e) Any planting plan developed in accordance with condition **[above]** should either avoid the midden sites, should it be determined that parts of them will remain after construction, or involve replanting with shallow rooted species.

Advice note:

1. *Maintaining the archaeological sites in mown grass would be the most desirable outcome.*
2. *This condition is subject to any conditions of any archaeological authority granted under the Historic Places Act 1993.*

Traffic Management Plan

16. A traffic management plan (**TMP**) shall be prepared in relation to the transformer transportation from Ports of Auckland to the Substation, after consultation with the following:
 - (a) Auckland City Council (Road Controlling Authority);
 - (b) Manukau City Council (Road Controlling Authority);
 - (c) Transit New Zealand (or successor organisation);
 - (d) New Zealand Police; and
 - (e) Key stakeholders identified by the organisations listed above in (a) – (d).
17. The TMP shall be submitted to the Manukau City Council and Transit New Zealand (or successor organisation) for approval at least one month prior to

transformer transportation to the substation site. Manukau City Council and Transit New Zealand (or successor organisation) shall respond within 15 working days indicating whether approval is given or refused (such approval shall not be unreasonably withheld). The TMP shall contain a methodology statement specifying the route and providing full details of the following:

- (a) deviations to avoid low over-bridges;
- (b) temporary bridge strengthening (where required);
- (c) road closures or other temporary traffic control measures required; and
- (d) contingency plans should the transporter have mechanical problems.

Construction traffic

- 18. During construction associated with the 220kV switchyard, all access to the substation site associated with construction of the substation equipment shall be via the southern connection of Golfland Drive and Botany Downs Road.
- 19. All parking associated with construction activities shall be provided within the substation site.

Construction management plan (CMP)

- 20. [See common conditions].

Earth potential rise

- 21. [See common conditions].

Electric and magnetic fields (EMF)

- 22. [See common conditions].

APPENDIX B: OTAHUHU SUBSTATION SITE SPECIFIC CONDITIONS

DESCRIPTION OF WORKS

- A. The designation applies to the land listed in Part 1A of the NoR documentation (**substation site**). **[Updated references for legal descriptions to be provided at a later date.]**
- B. The designation is for the operation, maintenance and upgrade of the existing Otahuhu Substation. This includes the development of the substation site as part of the North Island Grid Upgrade Project, works associated with other upgrade projects and development of the substation site for electricity transmission purposes, and all ancillary activities.

CONDITIONS

Documents

1. The physical extent of the designation of the Otahuhu Substation is shown on Figure 1, page 3 of Part IV of the NOR.
2. This condition shall not limit any future buildings, structures or activities on the site, provided that they are within the scope of the designation as set out in A and B above and comply with the following conditions of this designation.

Earth potential rise

3. [See common conditions].

Electric and magnetic fields (EMF)

4. [See common conditions].

Radio frequency interference

5. [See common conditions].

Vibration

6. [See common conditions].

Light spill

7. All exterior lighting shall be designed to comply with:
 - (a) AS/NZS 1158 Lighting for Roads and Public Spaces 2005 Part 3.1; and
 - (b) Transpower's Requirements for Outdoor Switchyard Lighting Policy, TP GS 41.01, Issue 3, April 2006; and
 - (c) AS 4282 1997, Control of Obtrusive Effects of Outdoor Lighting.

Hazardous substances

8. [See common conditions].

Cultural/spiritual

9. [See common conditions].

Construction and maintenance noise

10. [See common conditions].

Operational noise

11. Any new equipment (such as transformers, fans and circuit breakers) required as part of the North Island Grid Upgrade Project shall be designed and operated to ensure that the following noise limits shall not be exceeded:
 - (a) At or within any land outside the designation:

All times 55dBA L₁₀
 - (b) At or within the boundary of any residentially zoned site:

All days 7am to 10pm 50dBA L₁₀
All nights 10pm to 7am 40dBA L₁₀
All nights 10pm to 7am 70dBA L_{max}
12. Sound levels shall be assessed in accordance with NZS6802:1991 Assessment of Environmental Sound.
13. A design report shall be provided to the satisfaction of the Manukau City Council prior to the installation of any new noise generating substation equipment that demonstrates compliance with these limits.
14. Within one month of installation, the new equipment shall be assessed at source for its sound power level using EN60076-10:2001-05 Power Transformers Part 10 Determination of Sound Levels. Sound levels shall then be predicted at the designation boundary. Monitoring and prediction shall be undertaken by a suitably qualified and experienced person within one month of the commissioning of any new equipment. The results of the noise monitoring shall be made available to the Manukau City Council upon request.
15. Transpower shall review the noise levels and report to Manukau City Council at the time of each designation roll-over on progress that has been made to reduce noise levels progressively as a result of any necessary replacement of transformers.

Advice Note: *The existing noise levels at the Otahuhu Substation (except for construction and maintenance works) have been predicted as 52dBA L₁₀ at Nos. 8, 12 and 16 Waipapa Crescent. These sound levels contain special audible characteristics and an assessment using NZS6802:1991 would cause any performance standard to be reduced by 5dB.*

Construction management plan (CMP)

16. [See common conditions].

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APPENDIX C: BROWNHILL SUBSTATION SITE SPECIFIC CONDITIONS

DESCRIPTION OF WORKS

- A. The designation applies to the land listed in the schedule to the planning maps, Part XI of the NOR documentation (**substation site**). **[Updated references for legal descriptions to be provided at a later date.]**
- B. The designation is for the construction, operation and maintenance of a transition station to connect the underground cable and overhead lines section of the proposed North Island Grid Upgrade Project, including Tower 5 of the overhead line and additional support structures, and parts of the underground cables connecting with Pakuranga and Otahuhu Substations. Projects or works also included in the designation on a staged basis include a 220kV Gas Insulated Switchgear (**GIS**) switching station and a 400kV GIS substation and associated works as part of the proposed North Island Grid Upgrade Project, works associated with other upgrade projects, and ancillary activities.

CONDITIONS

Documents

1. The initial works to give effect to the designation of the Brownhill Transition Station/Substation shall be generally in accordance with the plan entitled "Brownhill Substation, Possible Layout 400/220kV Site GIS2, Stage 3 – Isometric, Date 20/11/2007."

This condition shall not limit any future buildings, structures or activities on the site, provided that they are within the scope of the designation as set out in A and B above and comply with the following conditions of this designation.

Cultural/spiritual

2. [See common conditions].

Electric and magnetic fields

3. [See common conditions].

Radio frequency interference

4. [See common conditions].

Vibration

5. [See common conditions].

Light spill

6. All exterior lighting shall comply with Transpower's Requirements for Outdoor Switchyard Lighting Policy, TP GS 41.01, Issue 3, April 2006.

Hazardous substances

7. [See common conditions].

Earth potential rise

8. [See common conditions].

Visual mitigation and revegetation plan

9. A visual mitigation and revegetation planting plan shall be prepared for the site and submitted at least two months prior to the commencement of initial construction on site to Manukau City Council's Manager – Resource Consents and Compliance for approval/certification. The Manager, Resource Consents and Compliance shall respond within 20 working days indicating whether approval is

given or refused. Such approval shall not be unreasonably withheld. The plan shall be in general accordance with the landscape mitigation concept plan (Map Book 6, Section 3) and shall consist of the following:

- (i) excess cut and topsoil from the construction site shall be contoured to increase the height of the spur east of the substation platform and improve the growing conditions for screen planting proposed for this spur;
- (ii) fast growing trees typical of rural landscapes shall be planted on the spur, with the intention of reducing visibility of the substation site from the east;
- (iii) native revegetation planting shall be carried out on lower slopes of the spur. This planting shall be similar in type to that undertaken in the rural residential subdivision on the opposite side of Brownhill Road. It shall be planted to the property boundary adjacent to the Turanga Creek. The intention of this planting is to provide longer term screening and ecological and amenity benefit;
- (iv) native revegetation planting will be carried out on the spur north-west of the substation platform to provide partial screening from the Regis Park area. Species shall include kanuka, totara and rewarewa.
- (v) native revegetation planting shall be carried out in the valley southwest of the substation site. The intention of this planting is to provide ecological and amenity benefits.
- (vi) a description of the name (including botanical), numbers, location, spacing and size of the plant species to be used in mitigation and ecological planting.

10. Once approved, the visual mitigation and revegetation planting plan required under condition ***[immediately above]*** above may be altered or updated at any time with the approval of the Manager – Resource Consents and Compliance. The Manager shall not unreasonably withhold his or her approval, and in particular for any changes to the plan required as a result of expansion of facilities within the

substation site irrespective of whether the extent of landscaping is reduced as a result of that expansion.

11. Transpower shall implement the visual mitigation and revegetation planting plan within the first planting season following completion of bulk earthworks and shall thereafter maintain the planting to the satisfaction of Manukau City Council's Manager – Resource Consents and Compliance.

Traffic Management Plan

12. A traffic management plan (**TMP**) shall be prepared in relation to the transformer transportation from Ports of Auckland to the substation site, after consultation with the following:

- (a) Auckland City Council (Road Controlling Authority);
- (b) Manukau City Council (Road Controlling Authority);
- (c) Transit New Zealand (or successor organisation);
- (d) New Zealand Police; and
- (e) Key stakeholders identified by the organisations listed above in (a) – (d).

13. The TMP shall be submitted to the Manukau City Council and Transit New Zealand (or successor organisation) for approval at least one month prior to transformer transportation to the substation site. Manukau City Council and Transit New Zealand (or successor organisation) shall respond within 15 working days indicating whether approval is given or refused (such approval shall not be unreasonably withheld). The TMP shall contain a method statement specifying the route and providing full details of the following:

- (a) deviations to avoid low over-bridges;
- (b) temporary bridge strengthening (where required);
- (c) road closures or other temporary traffic control measures required; and

- (d) contingency plans should the transporter have mechanical problems.

Construction management plan (CMP)

14. [See common conditions].

Operational noise

15. All activities within the site (except for construction and maintenance) shall be designed and operated to ensure that the following noise limits shall not be exceeded beyond the boundary of the designation:

All days 7am to 10pm 55dBA L_{10}

All nights 10pm to 7am 45dBA L_{10}

All nights 10pm to 7am 75dBA L_{max}

except that any standby generators may operate at a noise level not exceeding 55dBA L_{10} at all times, but shall only be operated for maintenance purposes between the hours of 7am to 10pm.

16. All activities within the site (except for construction and maintenance) shall be designed and operated to ensure that the following noise limits shall not be exceeded within the notional boundary of any dwelling existing at the date of the Notice of Requirement:

All days 7am to 10pm 45dBA L_{10}

All nights 10pm to 7am 35dBA L_{10}

All nights 10pm to 7am 65dBA L_{max}

17. Sound levels shall be measured and assessed in accordance with NZS6801:1991 Measurement of Sound and NZS6802:1991 Assessment of Environmental Sound.

18. Sound monitoring shall be undertaken by a suitably qualified and experienced person within one month of the commissioning of any new transformer. The results of the noise monitoring shall be made available to the Manukau City Council upon request.

Construction and maintenance noise

19. [See common conditions].

Brownhill Road Upgrade

20. Prior to the transportation of transformers to the Brownhill Substation, Transpower shall upgrade Brownhill Road to meet Manukau City Council's minimum design standards for rural roads as defined in their *Engineering Quality Standard R16 – Rural Rooding "Minimum Standards"*, after consultation with Manukau City Council. The road upgrading shall involve a 7m wide carriageway incorporating a 6m seal width using a two coat chip seal, as shown on **[insert plan reference showing extent of works, including linear extent of works along Brownhill Road]**.

**APPENDIX D: WHAKAMARU AND WHAKAMARU NORTH SUBSTATION SITE
SPECIFIC CONDITIONS**

DESCRIPTION OF WORKS

- A. The designation applies to the land listed in Part 1A of the NOR documentation **(substation site)**. **[Updated references for legal descriptions to be provided at a later date.]**
- B. The designation is for the construction, operation and maintenance of new 220kV and other components at the existing Whakamaru Substation and a new 400kV substation on a staged basis as part of the proposed North Island Grid Upgrade Project, including Tower 429 of the overhead line and additional support structures, works associated with other upgrade projects, and overhead line connections within the designated area, and ancillary activities. The designation also includes the operation, maintenance and upgrade of the existing 200kV lines which traverse the site and the existing substation infrastructure at the existing site.

CONDITIONS

Documents

1. The initial works to give effect to the designation of the Whakamaru and Whakamaru North Substations shall be generally in accordance with the following plans:
- (a) “Whakamaru Substation NIGUP – Stage 3 Layout – Isometric, WKMSKE30-1, 22/01/2008.”
 - (b) “Whakamaru Substation NIGUP – Option 2 Stage 3 Layout – Isometric, WKMSKE32-1, 22/01/2008.”

This condition shall not limit any future buildings or activities on the site, provided that they are within the scope of the designation as set out in A and B above and all of the following conditions of this designation.

Height

2. Tower 429 shall have a maximum height of 58 metres.
3. The security fence shall have a maximum height of 3.5 metres.

Electric and magnetic fields

4. [See common conditions].

Radio frequency interference

5. [See common conditions].

Earth potential rise

6. [See common conditions].

Vibration

7. [See common conditions].

Hazardous substances

8. [See common conditions].

Landscaping

9. A visual mitigation planting plan shall be prepared for the Whakamaru and Whakamaru North sites and submitted at least two months prior to the first commencement of construction to Taupo District Council for approval. The **[Council Consents Manager]** shall respond within 20 working days indicating

whether approval is given or refused. Approval shall not be unreasonably withheld. The intention of the planting is to screen the sites from the west and southwest, including State highway 30, as far as is practicable given the constraints of transmission lines in the vicinity of the sites.

10. Once approved, the visual mitigation plan required under condition **[immediately above]** may be altered or updated at any time with the approval of **[Council Consents Manager]**. The Manager shall not unreasonably withhold his or her approval, and in particular for any changes to the plan required as a result of expansion of facilities within the substation sites irrespective of whether the extent of landscaping is reduced as a result of that expansion.
11. Transpower shall implement the visual mitigation plan within the first planting season following completion of the first bulk earthworks and shall thereafter maintain the planting to the satisfaction of the **[Council Consents Manager]**.

Operational noise

12. Any new equipment (such as transformers, fans and circuit breakers) required as part of the North Island Grid Upgrade Project shall be designed and operated to ensure that the following noise limits shall not be exceeded at or within any land outside the Designation:

All times L_{Aeq} 40dB

All nights 10pm to 7am 75dBA L_{max}

13. Sound levels shall be measured and assessed in accordance with NZS6801:1991 Measurement of Sound and NZS6802:1991 Assessment of Environmental Sound.

Construction and maintenance noise

14. [See common conditions].

Cultural/spiritual

15. [See common conditions].

Traffic Management Plan

16. A traffic management plan (**TMP**) shall be prepared in relation to the transformer transportation from Ports of Auckland to the substation site, after consultation with the following:
- (a) All road controlling authorities (**RCAs**) along the proposed route;
 - (b) Transit New Zealand (or successor organisation);
 - (c) New Zealand Police; and
 - (d) Key stakeholders identified by the organisations listed above in (a) – (c).
17. The TMP shall be submitted to the Manukau City Council and Transit New Zealand (or successor organisation) for approval at least one month prior to transformer transportation to the substation site. Manukau City Council and Transit New Zealand (or successor organisation) shall respond within 15 working days indicating whether approval is given or refused (such approval shall not be unreasonably withheld). The TMP shall contain a method statement specifying the route and providing full details of the following:
- (a) deviations to avoid low over-bridges;
 - (b) temporary bridge strengthening (where required);
 - (c) road closures or other temporary traffic control measures required; and
 - (d) contingency plans should the transporter have mechanical problems.

Construction Management Plan (CMP)

18. [See common conditions].

Access from State highway 30

19. Access to Whakamaru North Substation onto State Highway 30 (**SH30**) shall be as specified in Diagram D of the Transit Planning Policy Manual 2007 SP/M/001, unless this is impractical due to an insufficient area within the unformed part of the SH30 being available for this purpose.

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