

Stage 2 Papakura to Bombay

SH1 Designation 6706 conditions alteration to SH1 Motorway

16 February 2024

Note: The track-change text in this document highlights where amendments are proposed as a part of Stage 2 of the Papakura to Bombay Project

Note: This condition set has been prepared with latest version of the SH1 Designation 6706 conditions, which was made operative in the Auckland Unitary Plan 8 September 2023. The set also includes the initial Clause 20A review of the SH1 Designation 6706 condition set made by Auckland Council as part of the NZTA Stage 1B2 of the Papakura to Drury South Project EPA decision, received 6 September 2023.

Definitions and Explanation of Terms

The table below defines the acronyms and terms used in the conditions.

Abbreviation/term	Meaning/definition
AEE	The Assessment of Effects on the Environment for Papakura to Drury South Stage 1B1, Stage 1B2 and Stage 2.
Application	The notices of requirement and applications for resource consents and supporting information for Papakura to Drury South Stage 1B1 dated 24 June 2021, Stage 1B2 dated 21 October 2022, and the notice of requirement and supporting information for Stage 2 dated 16 February 2024.
AUP	Auckland Unitary Plan Operative in Part
Best Practicable Option	Has the same meaning as in section 2 of the RMA 1991.
CEMP	Construction Environmental Management Plan
Certification	Certification is confirmation from the Council that a management plan meets the requirements of the conditions of the consents or designation that relate to it.
CHTMP	Chemical Treatment Management Plan
Clean Granular Fill Material	Material largely free of silts, muds, dust as well as toxicants.
CMA	Coastal Marine Area
CNVMP	Construction Noise and Vibration Management Plan
Common marine and freshwater area	<p>The area surrounding Jesmond Bridge including the coastal marine area (CMA) and the freshwater streambed immediately upstream.</p> <p>The Auckland Unitary Plan Operative in Part (Updated 12 March 2021) defines the CMA as</p> <p><i>“the same meaning as in the Resource Management Act 1991 except where the line of mean high water springs crosses a river specified in Appendix 7 Coastal Marine Area boundaries, the landward boundary must be the point defined in the appendix.”</i></p> <p>The CMA referred to within the application only relates to the seaward (northern) side of Jesmond Bridge. The CMA boundary at Jesmond Bridge is illustrated on the Auckland Council Geomaps.</p>
Completion of Construction	When construction of the Project (or the relevant part of the Project) is complete and it is available for use.
Construction Works	Activities undertaken to construct the Project under these designations/resource consents, excluding Enabling Works.
Council	Auckland Council
CSMP	Contaminated Site Management Plan

CSRMP	Coastal and Stream Works Reinstatement Management Plan
CTMP	Construction Traffic Management Plan
EIMP	Electricity Infrastructure Management Plan
Enabling Works	<p>Includes the following and similar activities:</p> <ul style="list-style-type: none"> • Geotechnical investigations (including in the CMA) and land investigations, including formation of access on land for investigations; • Establishing site yards, site offices, site entrances and fencing; • Constructing site access roads; • Relocation of services; • Establishing mitigation measures (such as erosion and sediment control measures, earth bunds and planting).
ESCP	Erosion and Sediment Control Plan
GD01	Auckland Council's Guideline Document 2017/001 Stormwater Management Devices in the Auckland Region.
GD05	Auckland Council's Guideline Document 2016/005 Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region.
HHMP	Historic Heritage Management Plan
Historic Heritage	Meaning as in the Resource Management Act 1991
HNZPT	Heritage New Zealand Pouhere Taonga
Manager	The Manager – Resource Consents, of Auckland Council, or authorised delegate.
MWHS	Mean High Water Springs is the highest level that spring tides reach on the average over a period of time.
Mesh	Mesh refers the existing erosion control blanket plastic mesh located on stream banks.
NESCS	Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011
Network Utility Operator	Has the same meaning as set out in section 166 of the RMA
NFRP	Native Fish Relocation Plan
NOR	Notice(s) of Requirement
Designation 6706	Alteration of Designation 6706 for 'Motorway purposes between Auckland Hamilton'
Designation SUP	Designation for the construction, operation, and maintenance of a shared path and associated infrastructure.
NUMP	Network Utility Management Plan

Outline Plan of Works	An outline plan prepared in accordance with section 176A of the RMA.
Project	The construction, operation and maintenance of Papakura to Drury South Stage 1B1, Stage 1B2, or Stage 2 and associated works.
Project Area	Refers to a specific area of works defined by the extent of each Project Stage (i.e. Stage 1B1, 1B2, and Stage 2).
Project Liaison Person	The person or persons appointed by the Requiring Authority / Consent Holder to be the main and readily accessible point of contact for persons wanting information about the Project or affected by the construction work.
Requiring Authority	Waka Kotahi NZ Transport Agency <i>Note: referred to as NZ Transport Agency Waka Kotahi in the Stage 2 Application</i>
RMA	Resource Management Act 1991
Schedule	A schedule sets out the best practicable option for the management of noise and/or vibration effects for a specific construction activity and/or location beyond those measures set out in the CNVMP.
SCMP	Stakeholder and Communications Management Plan
Waka Kotahi Southern Iwi Integration Group (IIG)	A collective of iwi representatives in Southern Auckland who meet regularly to discuss and advise on matters related to Waka Kotahi activities. For the purpose of this application the Southern IIG includes Relevant Iwi Authorities as defined by the Covid-19 Recovery (Fast Track Consenting) act 2020. <i>Note: referred to as NZTA's Southern IIG in the Stage 2 Application</i>
SUP	Shared use path
Specific Area	Specific Area relates to a particular site within the Stage 1B1, Stage 1B2 or Stage 2 works areas.
SQEP	A suitably qualified environmental practitioner for the purpose of the assessment of contaminated land (Guidance on what is expected of the SQEP is provided in the <i>NESCS User's Guide 2012</i>).
SSESCP	Site Specific Erosion and Sediment Control Plan
Stage	Stage 1B1, Stage 1B2, or Stage 2 of the Project as referred to in a specific condition.
Stage of Work	Any physical works that require the development of an Outline Plan.
Start of Construction	The time when Construction Works (excluding Enabling Works), or works referred to in a specific condition or Stage, start.
Suitably Qualified Person	A person (or persons) who can provide sufficient evidence to demonstrate their suitability and competence in the relevant field of expertise.
ULDF	Urban and Landscape Design Framework
ULDMP	Urban and Landscape Design Management Plan
Waka Kotahi	Waka Kotahi NZ Transport Agency <i>Note: Referred to as NZ Transport Agency Waka Kotahi, or NZTA in the Stage 2 Application</i>

Conditions

Guide to reading the conditions

The conditions are identified as follows:

Set of proposed conditions	Numbering format
General conditions	GC
Pre-constructions conditions	PC
Mana whenua	MW
Historic Heritage	HH
General construction conditions	CC
Construction noise and vibration	CNV
Construction traffic	CT
Contaminated land	
Urban design, landscape, visual and natural character	LV
Earthworks and land disturbance	EW
Coastal activities	CA
Stream works	ST
Stormwater	SW
Groundwater	GW
Ecology	EC
Arboriculture	AB
Operational Noise	ON

Conditions – Alteration of Designation 6706 [2024]

The purpose of the Designation 6706 is '*Motorway purposes between Auckland Hamilton*'

In addition to the conditions below, the following also form part of this condition set:

Definitions and explanations of terms

General conditions (GC)

Ref	Condition
Standard conditions	
GC.1	<p>(a) Except as provided for in the conditions and subject to the final design, the Project shall be undertaken in general accordance with the following plans and information submitted with the Applications dated 14 June 2021, 21 October 2022, <u>and 10 August 2023</u>:</p> <p>(i) <i>Assessment of Effects on the Environment Rev C</i> dated 31 May 2021, specifically Section 2.1 the Proposed Project Works Description and Section 2.2 Proposed Construction Methodology.</p> <p>(ii) The General Arrangement Drawings in Appendix F of <i>the Resource Consent and Notices of Requirement Application and Assessment of Effects on the Environment Rev C</i> dated 31 May 2021.</p> <p>(iii) <i>Assessment of Effects on the Environment Rev</i> dated 21 October 2022, specifically Section 2.1 the Proposed Project Works Description and Section 2.2 Proposed Construction Methodology.</p> <p>(iv) The General Arrangement Drawings in Appendix F of <i>the Resource Consent and Notices of Requirement Application and Assessment of Effects on the Environment Rev</i> dated 21 October 2022.</p> <p>(b) Where there may be an inconsistency between the documents listed in clause (a) above and the specific requirements of these conditions, these conditions shall prevail.</p> <p>(c) Where there is an inconsistency between the documents listed in clause (a), provided by the applicant as part of the resource consent and notices of requirement, the most recent plans and information prevail.</p> <p>(d) Response to Further Information Request No1 (Stage 1B1) and No2 (Stage 1B1) dated 15 September 2021.</p>
GC.2 (GC.2 is applicable to Stage 2 Project Area only)	<p>(a) Except as provided for in the conditions below, and subject to final design and Outline Plan(s), works within the designation shall be undertaken in general accordance with the Project description and concept plan in Schedule 1:</p> <p>(b) Where there is inconsistency between:</p> <p>(i) the Project description and concept plan in Schedule 1 and the requirements of the following conditions, the conditions shall prevail;</p> <p>(ii) the Project description and concept plan in Schedule 1, and the management plans under the conditions of the designation, the requirements of the management plans shall prevail.</p>
Designation Review	
GC.3	<p>(a) As soon as practicable following Completion of Construction the Requiring Authority shall:</p> <p>(i) review the extent of the designation to identify any areas of designated land that it no longer requires for the on-going operation, maintenance or mitigation of effects of the Project; and</p> <p>(ii) give notice to the Council in accordance with section 182 of the RMA for the removal of those parts of the designation identified above.</p>

GC.4	The preparation of all plans and all actions required by these conditions shall be undertaken by a Suitably Qualified Person.
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Pre-construction conditions (PC)

Ref	Condition
Pre-construction site meeting	
PC.1	<p>At least five working days prior to the Start of Construction, a preconstruction meeting shall be arranged with the Manager as follows:</p> <ul style="list-style-type: none"> (a) The meeting shall be located on the Project site unless otherwise agreed; (b) The meeting shall include representation from the contractor who will undertake the works; (c) The meeting shall include the project archaeologist (d) The following information shall be made available at the pre- construction meeting: <ul style="list-style-type: none"> (i) Conditions of consent; (ii) Timeframes for key stages of the works authorised under this consent; (iii) Contact details of the site contractor and other key contractors; (iv) All relevant management plans as per the requirements of the resource consents; and (v) A copy of any archaeological authority if obtained for the project works. <u>(e)</u> Representatives of the Waka Kotahi Southern IIG shall be invited to attend the pre- construction meeting.
PC.2	<p>Prior to the Start of Construction, appropriate provision shall be made for a cultural induction of the contractor's staff. The Waka Kotahi Southern IIG or its nominated representative(s) (cultural monitors) shall be invited to participate.</p>

Outline Plan(s) of Works (designation)

PC.3

- (a) An Outline Plan (or Plans) shall be prepared in accordance with section 176A of the RMA.
- (b) Outline Plan (or Plans) may be submitted in parts or in stages to address particular activities (e.g. design or construction aspects), or a Stage of Work of the Project.
- (c) Outline Plan (or Plans) shall include any management plan or plans that are relevant to the management of effects of those activities or Stage of Work, prepared in consultation with the Waka Kotahi Southern IIG, which may include:
 - (i) Construction Noise and Vibration Management Plan (CNVMP);
 - (ii) Historic Heritage Management Plan (HHMP); and
 - (iii) Landscape planting plans prepared in accordance with the principles and preliminary plans contained in the Project ULDF and taking into consideration planting specified in management plans required by conditions of resource consent number BUN60415513.
- (d) The management plans shall summarise comments received from the Waka Kotahi Southern IIG along with a summary of where comments have:
 - (i) Been incorporated; and
 - (ii) Where not incorporated the reasons why.
- (e) The Outline Plan shall include a summary confirming how the detailed design of the Project has been undertaken in collaboration with the Waka Kotahi Southern IIG representatives to enable exploring of opportunities for enhancing the mauri and acknowledging the mana of Oopaheke Pa, Otuwairoa Stream and the Manukau Harbour and the identification of ways to implement these opportunities.
- (f) The Outline Plan shall include a copy of any archaeological authority if obtained for project works.

PC.4

- (a) Following submission of the Outline Plan(s), the CNVMP and the HHMP may be amended if necessary, to reflect any changes in design, construction methods or management of effects. Any amendments to the plans are to be discussed with and submitted to the Manager for information without the need for a further Outline Plan process unless those amendments once implemented would result in a materially different outcome to that described in the original Outline Plan.
- (b) Where the CNVMP and HHMP was prepared in consultation with other parties, any material changes to that plan shall be prepared in consultation with those same parties.

<p>PC.5</p>	<p>Prior to the lodgment of any outline plan of works for activities on the following roads</p> <ul style="list-style-type: none"> (a) Flanagan Road; (b) Pitt Road; (c) Great South Road); (d) Quarry Road (applicable to the Stage 2 Project Area only) (e) Maketu Road (applicable to the Stage 2 Project Area only); and (f) 31 – 37 Bremner Road access. <p>Waka Kotahi New Zealand Transport Agency will consult with Auckland Transport regarding the extent and duration of temporary and on-going effects of the works on the local road network.</p>
<p>Specific Outline Plan of Works Requirements [applicable to Stage 2 Project Area only]</p>	
<p>PC.6 [applicable to Stage 2 Project Area only]</p>	<ul style="list-style-type: none"> (a) The Project shall be designed to ensure post-Project flood risks) are maintained at pre-Project levels outside the designation extent. (b) Compliance with this condition shall be demonstrated in the Outline Plan, which shall include flood modelling of the pre-Project and post-Project flood levels (for Maximum Probable Development including allowances for climate change).

Stakeholder and Communications Management Plan

PC.9

- (a) A Stakeholder and Communications Management Plan (SCMP) shall be submitted to the Manager for information at least 10 working days prior to the Start of Construction.
- (b) The purpose of the SCMP is to identify how the public and stakeholders (including directly affected and adjacent owners and occupiers of land) will be communicated with throughout the Construction Works.
- (c) To achieve the purpose, the SCMP shall include:
 - (i) the contact details for the Project Liaison Person. These details shall be on the Project website, or equivalent virtual information source, and prominently displayed at the main entrance(s) to the site(s);
 - (ii) the procedures for ensuring that there is a contact person available for the duration of Construction Works, for public enquiries or complaints about the Construction Works;
 - (iii) methods for engaging with the Waka Kotahi Southern IIG to be developed in consultation with the Waka Kotahi Southern IIG;
 - (iv) methods for engaging with Parks, Sports and Recreation and Land Advisory, to be developed in consultation with Parks, Sports and Recreation and Land Advisory;
 - (v) a list of stakeholders, organisations, businesses and persons who will be communicated with;
 - (vi) methods to communicate the proposed hours of construction activities outside of normal working hours and on weekends and public holidays, to surrounding businesses and residential communities;
 - (vii) linkages and cross-references to communication methods set out in other conditions and management plans where relevant.
- (d) any SCMP prepared for a Stage of Work shall be submitted to the Manager for information ten working days prior to the Start of Construction for a Stage of Work.

Complaints Management Process

PC.10	<p>(a) At all times during Construction Works, a record of any complaints received about the Construction Works shall be maintained. The record shall include:</p> <ul style="list-style-type: none">(i) The date, time and nature of the complaint;(ii) The name, phone number and address of the complainant (unless the complainant wishes to remain anonymous);(iii) The weather conditions at the time of the complaint (as far as practicable), including wind direction and approximate wind speed if the complaint relates to air quality, odour or noise and where weather conditions are relevant to the nature of the complaint;(iv) Measures taken to respond to the complaint or confirmation of no action if deemed appropriate (including a record of the response provided to the complainant)(v) The outcome of the investigation into the complaint;(vi) Any other activities in the area, unrelated to the Project that may have contributed to the complaint, such as non-project construction, fires, traffic accidents or unusually dusty conditions generally.(vii) A copy of the complaints register required by this condition shall be made available to the Manager upon request as soon as practicable after the request is made.
PC.11	Complaints related to Construction Works shall be responded to as soon as reasonably practicable and as appropriate to the circumstances.

General construction conditions (CC)

Ref	Condition
General	
CC.1	Subject to compliance with the Consent Holder's health and safety requirements and provision of reasonable notice, the servants or agents of Council shall be permitted to have access to relevant parts of the construction sites controlled by the Consent Holder at all reasonable times for the purpose of carrying out inspections, surveys, investigations, tests, measurements and/or to take samples.
CC.2	A copy of the plans and these designation and resource consent conditions as well as a copy of any archaeological authority if obtained for the project works shall be kept either electronically or in hard copy on-site at all times that Enabling Works and Construction Works are being undertaken
CC.3	All earthmoving machinery, pumps, generators and ancillary equipment must be operated in a manner that ensures spillages of fuel, oil and similar contaminants are prevented, particularly during refuelling and machinery services and maintenance.
CC.3A	The land modification works proposed must be undertaken in a manner which ensures that the land within the site and the land on adjoining properties remain stable at all times. In this regard the consent holder must employ a suitably qualified civil / geotechnical engineer to investigate, direct and supervise - land modification works, particularly in close proximity to neighbouring properties, to ensure that an appropriate design and construction methodology is carried out to maintain the short and long term stability of the site and surrounds.
Construction Environmental Management Plan	
CC.4	<ul style="list-style-type: none"> (a) A Construction Environmental Management Plan (CEMP) shall be submitted to the Manager for information at least 10 working days prior to the Start of Construction. (b) The purpose of the CEMP is to set out the management procedures and construction methods to be undertaken to avoid, remedy or mitigate any adverse effects associated with Construction Works as far as practicable. (c) To achieve the purpose, the CEMP shall include: <ul style="list-style-type: none"> (i) the roles and responsibilities of staff and contractors; (ii) details of the site or Project manager and the Project Liaison Person, including their contact details (phone and email address); (iii) the Construction Works programmes and the staging approach, and the proposed hours of work; (iv) the proposed site layouts (including construction yards), locations of refuelling activities and construction lighting; (v) methods for controlling dust and the removal of debris and demolition of construction materials from public roads or places; (vi) methods for providing for the health and safety of the general public;

Ref	Condition
	<ul style="list-style-type: none"> (vii) measures to mitigate flood hazard effects such as siting stockpiles out of floodplains, minimising obstruction to flood flows, actions to respond to warnings of heavy rain; (viii) procedures for incident management; (ix) procedures for the refuelling and maintenance of plant and equipment to avoid discharges of fuels or lubricants to watercourses; (x) measures to address the storage of fuels, lubricants, hazardous and/or dangerous materials, along with contingency procedures to address emergency spill response(s) and clean up; (xi) procedures for responding to complaints about Construction Works; (xii) methods for amending and updating the CEMP as required; (xiii) methodology and staging for demolition of existing fences and construction of replacement fences, adjacent to residential sites; and (xiv) measures to manage discharge of sediment or other contaminants <p>(d) Any CEMP prepared for a Stage of Work shall be submitted to the Manager for information at least ten working days before the Start of Construction for a Stage of Work.</p> <p>(e) The CEMP shall be prepared having regard to the Waka Kotahi Guideline for Preparing Environmental and Social Management Plans (April 2014), or any subsequent version.</p>
CC.5	<p>If the CEMP required by condition CC.4 is amended or updated, the revised CEMP shall be submitted to the Manager for information within five (5) working days of the update being made.</p>
Network Utility Management Plan	
CC.6	<ul style="list-style-type: none"> (a) A Network Utility Management Plan (NUMP) shall be submitted to the Manager for information at least 10 working days prior to the Start of Construction. (b) The purpose of the NUMP is to set out a framework for protecting, relocating and working in proximity to existing network utilities. (c) To achieve the purpose, the NUMP shall include methods to: <ul style="list-style-type: none"> (i) Provide access for maintenance at all reasonable times, or emergency works at all times during construction activities; (ii) Manage the effects of dust and any other material potentially resulting from construction activities and able to cause material damage, beyond normal wear and tear to overhead transmission lines in the Project area; (d) The NUMP shall be prepared in consultation with the relevant Network Utility Operator(s) who have existing assets that are directly affected by the Project. (e) The NUMP shall describe how any comments from the Network Utility Operator in relation to its assets have been addressed. (f) Any comments received from the Network Utility Operator shall be considered when finalising the NUMP.

Ref	Condition
	(g) Any amendments to the NUMP related to the assets of a Network Utility Operator shall be prepared in consultation with that asset owner.
Transpower [Conditions CC.7 to CC.12 apply to Stage 1B1 and Stage 2 of the Project]	
CC.7	Temporary and permanent works in the vicinity of overhead transmission assets shall be designed and undertaken to comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP 34:2001).
CC.8	Temporary and permanent works shall be designed to mitigate Earth Potential Rise (EPR) where the use of conductive materials for road infrastructure (e.g. metallic barriers, lighting, noise walls) or relocated network utilities are within 50m of the Bombay to Otahuhu A (BOB-OTA-A) 110kV and Huntly to Otahuhu A (HLY-OTA-A) 220kV transmission assets.
CC.9	Temporary and permanent works shall be designed so that the vertical clearance provided between the transmission line conductors and the finished road level of State Highway 1 (including approach roundabouts and on/off ramps) is a minimum of 9.5 metres for the BOB-OTA-A 110kV line and 10.5m for the HLY-OTA-A 220kV line.
CC.10	Temporary and permanent works shall be designed to maintain a comparable standard of access to the Bombay to Otahuhu A (BOB-OTA-A) 110kV and Huntly to Otahuhu A (HLY-OTA-A) 220kV transmission assets for maintenance at all reasonable times, and emergency works at all times.
CC.11	Proposed planting and ongoing maintenance of trees and vegetation in the vicinity of overhead transmission lines shall comply with the Electricity (Hazards from Trees) Regulations 2003.
CC.12	Species planted within 12m of the centreline of the National Grid transmission lines shall not exceed 2m in height. When planted, trees (at full maturity height) shall not be able to fall within 4m of a transmission line conductor at maximum swing.
Electricity Infrastructure Management Plan [Conditions CC.13 to CC.18 apply to Stage 1B1 and Stage 2 of the Project]	
CC.13	An Electrical Infrastructure Management Plan (EIMP) shall be prepared prior to the start of construction works within fifty metres of the transmission assets listed in Condition 15(ii) below. The EIMP shall be prepared in consultation with Transpower.
CC.14	The purpose of the EIMP is to set out the management procedures and construction methods to be undertaken so that works are safe and any potential adverse effects of works on Transpower assets are appropriately managed.
CC.15	<p>(a) To achieve the purpose, the EIMP shall include:</p> <ul style="list-style-type: none"> (i) Roles and responsibilities of staff and contractors responsible for implementation of the EIMP. (ii) Drawings showing proposed works in the vicinity of, or directly affecting, the following transmission assets: <ul style="list-style-type: none"> A. Bombay to Otahuhu A (BOB-OTA-A) 110kV B. Huntly to Otahuhu A (HLY-OTA-A) 220kV (iii) Proposed staff and contractor training for those working near the transmission assets. (iv) Proposed methods to comply with Conditions CC.7 – CC.10 above;

Ref	Condition
	<ul style="list-style-type: none"> (v) Proposed methods to comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances 2001 (NZECP 34: 2001). (vi) Dispensations agreed with Transpower for any construction works that cannot meet New Zealand Electrical Code of Practice for Electrical Safe Distances 2001 (NZECP 34:2001). (vii) Proposed methods to: <ul style="list-style-type: none"> A. Maintain access to the BOB-OTA-A 110kV and HLY-OTA-A 220kV transmission assets for maintenance at all reasonable times, and emergency works at all times; B. Delineate areas that are out of bounds during construction and areas within which additional management measures are required, such as fencing off, entry and exit hurdles, maximum height limits, or where a Transpower observer may be required; C. Manage the effects of dust (including any other material potentially resulting from construction activities able to cause material damage beyond normal wear and tear) on the transmission lines; D. Manage any changes to drainage patterns, runoff characteristics and stormwater to avoid adverse effects on foundations of any support structure; E. Manage construction activities that could result in ground vibrations and/or ground instability to avoid causing damage to transmission lines and support structures.
CC.16	The EIMP shall include confirmation that it has been reviewed and endorsed by Transpower and shall be submitted to Council for information.
CC.17	<p>Construction works shall not commence within fifty metres of the BOB-OTA-A 110kV and HLY-OTA-A 220kV transmission assets until the EIMP required by Condition CC.15 above has been completed and either:</p> <ul style="list-style-type: none"> (a) the Project has been designed to comply with Condition CC.7 – CC.10 above; or (b) the BOB-OTA-A 110kV and HLY-OTA-A 220kV transmission assets have been relocated or altered as agreed by Transpower.
CC.18	<p>Construction works shall be undertaken in accordance with the Electrical Infrastructure Management Plan prepared in accordance with Condition CC.15 above.</p> <p>ADVICE NOTE:</p> <p><i>Written notice should be provided to Transpower 10 working days before starting works within 50 metres of transmission assets. Written notice should be sent to:</i></p> <p><u>transmission.corridor@transpower.co.nz</u></p>

Mana whenua (MW)

Ref	Condition
Cultural Monitoring Plan	
MW.1	<p>(a) A Cultural Monitoring Plan shall be submitted to the Manager for information at least 10 working days prior to the Start of Construction. The Cultural Monitoring Plan shall be prepared by a person identified in collaboration with the Waka Kotahi Southern IIG.</p> <p>(b) The purpose of the Cultural Monitoring Plan is to set out the agreed cultural monitoring requirements and measures to be implemented during construction activities, to acknowledge the historic and living cultural values of the area to the Waka Kotahi Southern IIG and to minimise potential adverse effects on these values.</p> <p>(c) The Cultural Monitoring Plan shall include:</p> <ul style="list-style-type: none"> (i) Requirements for formal dedication or cultural interpretation to be undertaken prior to start of Construction Works in areas identified as having significance to the Waka Kotahi Southern IIG; (ii) Requirements and protocols for cultural inductions for contractors and subcontractors; (iii) Identification of activities, sites and areas where cultural monitoring is required during particular Construction Works; (iv) Identification of personnel nominated by the Waka Kotahi Southern IIG to undertake cultural monitoring, including any geographic definition of their responsibilities; and (v) Details of personnel nominated by the Waka Kotahi Southern to assist with management of any issues identified during cultural monitoring. <p>(d) If Enabling Works involving soil disturbance are undertaken prior to the start of Construction Works, an Enabling Works Cultural Monitoring Plan shall be prepared by a Suitably Qualified and Experienced Person identified in collaboration with the Waka Kotahi Southern IIG. This plan may be prepared as a standalone Enabling Works Cultural Monitoring Plan or be included in the main Construction Works Cultural Monitoring Plan and include the requirements of condition MW.1(c)(i) to (v).</p> <p>(e) A copy of the Cultural Monitoring Plan shall be provided to the Council for information.</p> <p>ADVICE NOTE:</p> <p><i>For the purposes of the Project, RIAs are considered to be members of the Southern Iwi Integration Group.</i></p>

Historic Heritage (HH)

Ref	Condition
Historic Heritage Management Plan	
HH.1	<p>(a) A Historic Heritage Management Plan (HHMP) shall be submitted with the Outline Plan of Works. The HHMP shall be prepared in consultation with Council, HNZPT and the Waka Kotahi Southern IIG.</p> <p>(b) The purpose of the HHMP is to protect historic heritage and to remedy and mitigate any residual effects as far as practicable.</p> <p>(c) To achieve the purpose, the HHMP shall identify:</p> <ul style="list-style-type: none"> (i) Specific areas to be investigated, monitored and recorded to the extent these are directly affected by the Project; (ii) Earthworks within 50 m of the identified extents of archaeological sites or waterways, for monitoring by an archaeologist, at least four weeks in advance of the general construction works to ensure adequate time is allowed for archaeological investigation if required; (iii) Known archaeological sites and potential archaeological sites within the designation, including identifying any archaeological sites for which an Archaeological Authority under the HNZPTA will be sought or has been granted; (iv) Methods for managing any unrecorded archaeological sites or post-1900 heritage sites within the designation, which shall also be documented and recorded; (v) Methods for identifying and assessing any known or potential built heritage sites within the designation including details of their condition and measures to mitigate any adverse effects in accordance with the HNZPTA guideline AGS 1A; (vi) Roles, responsibilities and contact details of Project personnel, the Waka Kotahi Southern IIG representatives and relevant agencies involved with heritage and archaeological matters including surveys, monitoring of Project works, compliance with AUP accidental discovery rule, and monitoring of conditions; (vii) Provision for access for the Waka Kotahi Southern IIG to carry out tikanga and cultural protocols; (viii) Methods for protecting or minimising adverse effects on heritage and archaeological sites within the designation during Project works as far as practicable, (for example fencing around heritage and archaeological sites to protect them from damage during construction); (ix) Protocols to manage accidental discovery of archaeological material as provided for under both the AUP and HNZPTA, including notification of the site owner and or administrator; (x) Measures for secure on-site storage and archiving of any archaeological materials; (xi) Training requirements for contractors and subcontractors on processes and procedures for heritage and archaeological sites within the designation, and legal obligations relating to finds and accidental discoveries (under both the AUP and HNZPTA); and

- (xii) Methods for appropriate public dissemination of knowledge gained from heritage investigations.
- (d) At the completion of the Historic heritage investigation component of the Project Works the Requiring Authority will provide confirmation from the Project Archaeologist to the Manager that all works have been completed in accordance with the requirements of the HHMP.
- (e) **Conditions HH.2 and HH.3 deleted**

Construction noise and vibration (CNV)

Ref	Condition
Construction noise and vibration management plan	
CNV.1	<ul style="list-style-type: none"> (a) A Construction Noise and Vibration Management Plan (CNVMP) shall be prepared prior to the Start of Construction for a Stage of Work and submitted to the Manager for information. (b) A CNVMP shall be implemented during the Stage of Work to which it relates. (c) The purpose of the CNVMP is to provide a framework for the development and implementation of the Best Practicable Option for the management of construction noise and vibration effects to achieve the construction noise and vibration standards set out in Conditions CNV.2 and CN.3 to the extent practicable. To achieve this purpose, the CNVMP shall be prepared in accordance with Annex E2 of the New Zealand Standard NZS6803:1999 'Acoustics – Construction Noise' (NZS6803:1999) and the Waka Kotahi State highway construction and maintenance noise and vibration guide (version 1.1, 2019), and shall as a minimum, address the following: <ul style="list-style-type: none"> (i) description of the works and anticipated equipment/processes; (ii) hours of operation, including times and days when construction activities would occur; (iii) the construction noise and vibration standards for the Project; (iv) identification of receivers where noise and vibration standards apply; (v) management and mitigation options, and identification of the Best Practicable Option; (vi) methods and frequency for monitoring and reporting on construction noise and vibration; (vii) procedures for communication and engagement with nearby residents and stakeholders, including notification of proposed construction activities, the period of construction activities, and management of noise and vibration complaints;

Ref	Condition
	<ul style="list-style-type: none"> (viii) contact details of the Project Liaison Person; (ix) procedures for the regular training of the operators of construction equipment to minimise noise and vibration as well as expected construction site behaviours for all workers; (x) identification of areas where compliance with the noise [Condition CNV.2] and/or vibration standards [Condition CNV.3] Category A or Category B will not be practicable and the specific management controls to be implemented and consultation requirements with owners and occupiers of affected sites; (xi) procedures and requirements for the preparation of a Schedule to the CNVMP (Schedule) for those areas where compliance with the noise [Condition CNV.2] and/or vibration standards [Condition CNV.3] Category A or Category B will not be practicable and where sufficient information is not available at the time of the CNVMP to determine the area specific management controls [Condition CNV.1(c)(x)]; (xii) procedures and trigger levels for undertaking building condition surveys before and after works to determine whether any cosmetic or structural damage has occurred as a result of construction vibration; (xiii) methodology and programme of desktop and field audits and inspections to be undertaken to ensure that CNVMP, Schedules and the best practicable option for management of effects are being implemented; and (xiv) requirements for review and update of the CNVMP. <p>(d) The CNVMP shall address the specific measures for 168 Flanagan Road recommended in the report of Marshall Day Acoustics dated 15 October 2021.</p>

Noise Criteria

CNV.2

Construction noise from the Project shall be measured and assessed in accordance with the NZS 6803:1999 and shall, as far as practicable, comply with the following criteria:

Table CNV.1 Construction noise criteria

Day of week	Time	dB LAeq(15min)	dB LAmax
Buildings containing activities sensitive to noise			
Weekdays	0630 – 0730	60	75
	0730 – 1800	75	90
	1800 – 2000	70	85
	2000 – 0630	45	75
Saturdays	0630 – 0730	45	75
	0730 – 1800	75	90
	1800 – 2000	45	75
	2000 – 0630	45	75
Sundays and Public Holidays	0630 – 0730	45	75
	0730 – 1800	55	85

Ref	Condition			
		1800 – 2000	45	75
		2000 – 0630	45	75
	Other occupied buildings			
	All days	0730 - 1800	75	n/a
		1800 - 0730	80	n/a

Vibration Criteria

CNV.3

- (a) Construction vibration shall be measured in accordance with ISO 4866:2010 Mechanical vibration and shock – Vibration of fixed structures – Guidelines for the measurement of vibrations and evaluation of their effects on structures and shall comply with the vibration standards set out in the following table as far as practicable.

Table CNV.2 Construction vibration criteria

Receiver	Details	Category A	Category B
Occupied Activities sensitive to noise	Night-time 2000h - 0630h	0.3mm/s ppv	1mm/s ppv
	Daytime 0630h - 2000h	1mm/s ppv	5mm/s ppv
Other occupied buildings	Daytime 0630h - 2000h	2mm/s ppv	5mm/s ppv
All other buildings	At all other times	5mm/s ppv	BS 5228-2*
	Vibration transient		Table B2
	At all other times	5mm/s ppv	BS 5228-2*
	Vibration continuous		50% of Table B2 values

*BS 5228-2:2009 'Code of practice for noise and vibration control on construction and open sites – Part 2: Vibration'

- (b) Where compliance with the vibration standards set out in Table CNV.1 is not practicable, and unless otherwise provided for in the CNVMP, then the methodology in Condition CNV.4 shall apply.
- (c) If measured or predicted vibration from construction activities exceeds the Category A criteria, construction vibration shall be assessed and managed during those activities.
- (d) If measured or predicted vibration from construction activities exceeds the Category B criteria those activities must only proceed if vibration effects on affected buildings are assessed, monitored and mitigated.

CNV.4

- (a) Unless otherwise provided for in a CNVMP, a Schedule to the CNVMP (Schedule) shall be prepared, in consultation with the owners and occupiers of sites subject to the Schedule to the CNVMP, when:
- (i) construction noise is either predicted or measured to exceed the noise standards in Condition CNV.2;

Ref	Condition
	<ul style="list-style-type: none"> (ii) construction vibration is either predicted or measured to exceed the Category A standard at the receivers in Condition CNV.3. (ii) For works, if night-time piling is necessary for the works. <p>(b) The purpose of the Schedule is to set out the Best Practicable Option for the management of noise and/or vibration effects of the construction activity beyond those measures set out in the CNVMP. The Schedule shall include details such as:</p> <ul style="list-style-type: none"> (i) construction activity location, start and finish times; (ii) the nearest neighbours to the construction activity; (iii) the predicted noise and/or vibration level for all receivers where the levels are predicted or measured to exceed the applicable standards in Conditions CNV.2 and CNV.3; (iv) the proposed mitigation; (v) the proposed communication with neighbours; and (vi) location, times and types of monitoring. <p>(c) The Schedule shall be submitted to the Manager for information at least 5 working days, except in unforeseen circumstances, in advance of Construction Works that are covered by the scope of the Schedule and shall form part of the CNVMP.</p>

Construction traffic (CT)

Ref	Condition
Construction traffic management plan	
CT.1	<p>(a) A Construction Traffic Management Plan (CTMP) shall be submitted to the Manager for information at least 10 working days prior to the Start of Construction. The CTMP shall be prepared in consultation with Auckland Transport (including Auckland Transport Metro) and KiwiRail. The outcome of consultation undertaken between the Requiring Authority and Auckland Transport shall be documented including any Auckland Transport comments not incorporated within the final CTMP submitted to the Manager.</p> <p>(b) The purpose of the CTMP is to avoid, remedy or mitigate, as far as practicable, adverse construction traffic effects.</p> <p>(c) To achieve this purpose, the CTMP shall include:</p> <ul style="list-style-type: none"> (i) methods to manage the effects of temporary traffic management activities on traffic capacity and movements, in consultation with Auckland Transport; (ii) measures to manage the safety of all transport users; (iii) the estimated numbers, frequencies, routes and timing of traffic movements, including any specific non-working or non-movement hours to manage vehicular and pedestrian traffic near schools or to manage traffic congestion; (iv) methods for engaging with Parks, Sport and Recreation and Land Advisory, to be developed in consultation with Parks, Sport and Recreation and Land Advisory;
Ref	Condition

	<ul style="list-style-type: none"> (v) site access routes and access points for heavy vehicles, the size and location of parking areas for plant, construction vehicles and the vehicles of workers and visitors; (vi) methods to manage any road closures that will be required and the nature and duration of any traffic management measures such as the identification of detour routes, temporary restrictions, or diversions and other methods for the safe management and maintenance of traffic flows, including general traffic, buses (including along Park Estate Road and Bremner Road), pedestrians and cyclists, on existing roads. Such access shall be safe, clearly identifiable and seek to minimise significant detours; (vii) methods to maintain pedestrian and/or vehicle access to private property and/or private roads where practicable, or to provide alternative access arrangements when it will not be; (viii) the management approach to loads on heavy vehicles, including covering loads of fine material, the use of wheel-wash facilities at site exit points and the timely removal of any material deposited or spilled on public roads; (ix) methods that will be undertaken to communicate traffic management measures to affected road users (e.g. residents/public/stakeholders/emergency services); (x) Auditing, monitoring and reporting requirements relating to traffic management activities shall be undertaken in accordance with Waka Kotahi's Code of Practice for Temporary Traffic Management; (xi) Methods to manage the availability of on-street and off-street parking if the designated site is unable to accommodate all contractor parking. This shall include an assessment of available parking (if any) for contractors on street and identify measures to meet and/or reduce contractor parking demand for on-street parking to meet this demand; (xii) Methods for recognising and providing for the on-going operation of Auckland Transport managed passenger transport services; (xiii) Methods to maintain the functional operational and recreational access to any Auckland Council Park land during construction where practicable. <p>(d) Any CTMP prepared for a Stage of Work shall be prepared in consultation with Auckland Transport and submitted to the Manager for information 10 working days prior to the Start of Construction for a Stage of Work.</p> <p>ADVICE NOTE:</p> <p><i>Where construction activities may affect the local road network, separate approval will be required from Auckland Transport (as the road controlling authority). The approval will likely include a Corridor Access Request and accompanying Traffic Management Plan.</i></p>
<p>CT.2</p>	<p>Consultation with Auckland Transport shall be undertaken at the earliest opportunity with regard to the preferred option for the SH1 Bremner Road Overbridge and Jesmond Bridge replacement works to ensure:</p> <ul style="list-style-type: none"> (a) That passenger transport services can be efficiently provided on the road network; and (b) That there is sufficient capacity and viable alternative routes in the transport network to accommodate cumulative construction traffic demands in the wider area.

Urban design and landscaping (LV)

Ref	Condition
Urban Design and Landscape Framework	
LV.1 (this condition applies to Stage 1B2 of the Project)	Landscape planting plans within Stage 1B2 shall be prepared generally in accordance with the principles and preliminary plans contained in the Project ULDF Rev G dated June 2022 and in consultation with the Waka Kotahi Southern IIG. The landscape planting plans shall take into consideration planting specified in management plans required by conditions of resource consent number BUN60415513.
LV.2	All Project planting shall be fully implemented by the completion of the first planting season following the completion of Project works in a Specific Area.
LV.3	Any Project planting that fails to establish, or that decline or die within 5 years, must be replaced to the satisfaction of the Manager. The replacement trees must be of similar grade and size to that originally planted.
LV.4 (this condition applies to Stage 1B2 of the Project)	Project planting shall include at least 20 indigenous trees at a spacing of 3.0 m that have a minimum height of 2.5 m at planting and a minimum height of 5.0 m at maturity on the east side of the motorway corridor from chainage 12600 to 12750.
Urban and Landscape Design Management Plan (ULDMP) [LV.5 is applicable to the Stage 2 Project Area only]	
LV.5	<p>(a) A ULDMP shall be prepared prior to the Start of Construction for a Stage of Work.</p> <p>(b) The objective of the ULDMP(s) is to:</p> <ul style="list-style-type: none"> (i) Enable integration of the Project's permanent works into the surrounding landscape and rural-urban context; (ii) Ensure that the Project manages potential adverse landscape and visual effects as far as practicable and contributes to a quality urban environment; and (iii) Acknowledge and recognise the whakapapa mana whenua have to the Project area. <p>(c) Mana Whenua shall be invited to participate in the development of the ULDMP(s) at least six (6) months prior to the start of detailed design for the Stage of Work to provide input into cultural landscape and design matters. This shall include (but not limited to) how desired outcomes for management of potential effects on cultural sites, landscapes and values including where identified in condition HH.1 (Historic Heritage Management Plan) may be reflected in the ULDMP.</p> <p>(d) Key stakeholders identified through Conditions PC.6 shall be invited to participate in the development of the ULDMP at least six (6) months prior to the start of detailed design for a Stage of Work.</p> <p>(e) The ULDMP shall be prepared in general accordance with the principals and contained in the Project Urban and Landscape Design Framework (UDLF) Rev G dated February 2024.</p>

- (f) The UDLMP shall be prepared in general accordance with:
- (i) NZTA P39 Standard Specification for Highway Landscape Treatments (2013) or any subsequent version, and;
 - (ii) NZTA Landscape Guidelines (March 2018) or any subsequent version.
- (g) To achieve the objective, the ULDMP(s) shall provide details of how the project:
- (i) Is designed to integrate with the adjacent urban (or proposed urban) and landscape context, including the surrounding existing or proposed topography, urban environment (i.e. centres and density of built form), natural environment, landscape character and open space zones;
 - (ii) Provides opportunities to incorporate Mana Whenua Values and cultural narrative through design. This shall include but not be limited to:
 - A. how to protect and enhance connections to the Māori cultural landscape;
 - B. how and where accurate historical signage can be provided along the corridor;
 - C. how opportunities for cultural expression through, for example mahi toi, art, sculptures or other public amenity features will be provided;
 - D. how opportunities to utilise flora and fauna with a specific connection to the area are provided;
 - (iii) Is consistent with an integrated stormwater management approach which prioritises in the following order:
 - A. opportunities for ki uta ki tai (a catchment scale approach);
 - B. opportunities for net catchment benefit;
 - C. green infrastructure and nature-based solutions; and
 - D. opportunities for low maintenance design.
 - (iv) Provides appropriate walking and cycling connectivity to, and interfaces with, existing or proposed adjacent land uses, public transport infrastructure and walking and cycling connections;
 - (v) Promotes inclusive access (where appropriate); and
 - (vi) Promotes a sense of personal safety by aligning with best practice guidelines, such as:
 - A. Crime Prevention Through Environmental Design (CPTED) principles;
 - B. Safety in Design (SID) requirements; and
 - C. Maintenance in Design (MID) requirements and anti-vandalism/anti-graffiti measures.
- (h) The ULDMP(s) shall include:
- (i) A concept plan – which depicts the overall landscape and urban design concept, and explain the rationale for the landscape and urban design proposals;
 - (ii) Developed design concepts, including principles for walking and cycling

	<p>facilities and public transport; and</p> <p>(iii) Landscape and urban design details.</p> <p>(i) The ULDM shall also include the following planting details and maintenance requirements:</p> <p>(i) planting design details including:</p> <ul style="list-style-type: none"> A. Identification of existing trees and vegetation that will be retained, and any planting requirements under the Ecological Management Plan (Condition EC.1). Where practicable, mature trees and native vegetation should be retained; B. measures to ensure construction works within the designation are managed to avoid, remedy or mitigate effects on vegetation identified as protected or notable in the AUPOP at the time of lodgement (16 February 2024). C. Street trees, shrubs and ground cover suitable for the location; D. treatment of fill slopes to integrate with adjacent land use, streams, Riparian margins and open space zones; E. planting of stormwater wetlands; F. Integration of any planting requirements required by conditions of any resource consents for the project; and G. Re-instatement planting of construction and site compound areas as appropriate. <p>(j) Design of all embankments shall enable mass planting of native trees, shrubs and groundcover. Where steeper slopes are unavoidable, mass planting is not advised, and they must be minimised and stabilised sufficiently, applying an architectural façade, or screened in any public interfaces.</p> <p>(k) A planting programme including the staging of planting in relation to the construction programme which shall, as far as practicable, include provision for planting within each planting season following completion of works in each Stage of Work; and</p> <p>(l) Detailed specifications relating to the following:</p> <ul style="list-style-type: none"> (i) Weed control and clearance; (ii) Pest animal management (to support plant establishment); (iii) Ground preparation (top soiling and decompaction); (iv) Mulching; and (v) Plant sourcing and planting, including hydroseeding and grassing, and use of eco-sourced species.
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Advice Note:

Any works provided for by the designation within public open space land (Auckland Council Parks land) are subject to landowner approval processes, whereby the requiring authority will need to get approval for any such works from Auckland Council as the landowner.

Ecology (EC)

Pre-Construction Ecological Survey [EC.1 is applicable to the Stage 2 Project Area only]

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| EC.1 | <p>(a) Prior to the start of detailed design for a Stage of Work, a Suitably Qualified Person shall prepare an updated ecological survey. The purpose of the survey is to inform the preparation of the ecological management plan by:</p> <ul style="list-style-type: none"> i) Confirming whether the species of value within Biodiversity Areas¹ identified in Schedule 2 are still present, and; ii) Confirming whether the Project will or may have a moderate or greater level of ecological effect on ecological species of value, prior to implementation of impact management measures, as determined in accordance with the EIANZ guidelines. <p>(b) If the ecological survey confirms the presence of ecological features of value in accordance with Condition EC.1 (a)(i) and that effects are likely in accordance with Condition EC.1 (a)(ii) then an Ecological Management Plan (or Plans) shall be prepared in accordance with Condition EC.2 for these areas.</p> |
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Ecological Management Plan (EMP) [EC.2 is applicable to the Stage 2 Project Area only]

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| EC.2 | <p>(a) An EMP shall be prepared for any Confirmed Biodiversity Areas (confirmed through Condition EC.1) prior to the Start of Construction for a Stage of Work and submitted to the Manger for information. The objective of the EMP is to minimise effects of the Project on the ecological features of value of Confirmed Biodiversity Areas as far as practicable. The EMP shall set out the methods that will be used to achieve the objective which may include:</p> <ul style="list-style-type: none"> i) If an EMP is required in accordance with Condition EC.1(b) for the presence of long-tail bats: <ul style="list-style-type: none"> A. Measures to minimise as far as practicable, disturbance from construction activities within the vicinity of any active long tail bat roosts (including maternity) that are discovered through survey until such roosts are confirmed to be vacant of bats. B. How the timing of any construction work in the vicinity of any maternity long tail bat roosts will be limited to outside the bat maternity period (between December and March) where reasonably practicable; C. Details of areas where vegetation is to be retained where practicable for the purposes of the connectivity of long tail bats; D. Details of how bat connectivity will be provided and maintained (e.g. through the presence of suitable indigenous or exotic trees or artificial alternatives); E. Details of measures to minimise operational disturbance from light spill; and F. Details of where opportunities for advance restoration / mitigation planting have previously been identified and implemented. ii) If an EMP is required in accordance with the Condition EC.1(b) for the presence of Threatened or At-Risk birds (excluding wetland birds): <ul style="list-style-type: none"> A. How the timing of any Construction Works shall be undertaken outside of the bird breeding season (September to February) where practicable; and B. Where works are required within the area identified in the Confirmed Biodiversity Area during the bird breeding season, methods to minimise adverse effects on Threatened or At-Risk birds. |
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¹ **Biodiversity Areas:** refers to an area or areas of ecological value where the Project ecologist has identified that the Project will potentially support moderate or higher values, or have a moderate or greater level of ecological effect, prior to implementation of impact management measures, as determined in accordance with the EIANZ guidelines.

- iii) If an EMP is required in accordance with Condition EC.1(b) for the presence of Threatened or At-Risk wetland birds:
 - A. How the timing of any Construction Works shall be undertaken outside of the bird breeding season (September to February) where practicable;
 - B. Where works are required within the Confirmed Biodiversity Area during the bird season, methods to minimise adverse effects on Threatened or At-Risk wetland birds;
 - C. Undertaking a nesting bird survey of Threatened or At-Risk wetland birds prior to any Construction Works taking place within a 50m radius of any identified wetlands (including establishment of construction areas adjacent to wetlands). Surveys should be repeated at the beginning of each wetland bird breeding season and following periods of construction inactivity;
 - D. What protection and buffer measures will be provided where nesting Threatened or At-Risk wetland birds are identified within 50m of any construction area (including laydown areas). Measures could include:
 - i. a 20m buffer area around the nest location and retaining vegetation. The buffer areas should be demarcated where necessary to protect birds from encroachment. This might include the use of marker poles, tape and signage;
 - ii. monitoring of the nesting Threatened or At-Risk wetland birds by a Suitably Qualified Person. Construction works within the 20m nesting buffer areas should not occur until the Threatened or At-Risk wetland birds have fledged from the nest location (approximately 30 days from egg laying to fledging) as confirmed by a Suitably Qualified Person;
 - iii. minimising the disturbance from the works if construction works are required within 50 m of a nest, as advised by a Suitably Qualified Person;
 - iv. adopting a 10m setback where practicable, between the edge of Wetlands and construction areas (along the edge of the stockpile/laydown area); and
 - v. minimising light spill from construction areas into Wetlands.

Advice Note:

Depending on the potential effects of the Project, the regional consents for the Project may include the following monitoring and management plans:

- i. Stream and/or wetland restoration plans;*
- ii. Vegetation restoration plans; and*
- iii. Fauna management plans (eg avifauna, herpetofauna, bats).*

Arboriculture (AB)

Ref	Condition
<u>AB.1</u>	All works within the protected root zone of trees to be retained shall be supervised. Works within the protected root zone shall be undertaken as set out in the Arboricultural Assessments prepared by Peers Brown Miller Limited, dated September 2020 and dated 21 October 2022. Works within the protected root zone of trees impacted by the works shall be undertaken in accordance with the <i>Arboricultural Assessment prepared by Peers Brown Miller Ltd</i> , dated July 2023.
<u>AB.2</u>	There shall be no storage (or temporary storage) of materials, machinery, and equipment within the protected root zone of any protected tree.

Tree Management Plan [AB.3 applies to the Stage 2 Project Area only]

AB.3	<p>(a) Prior to the Start of Construction, a Tree Management Plan shall be prepared. The objective of the Tree Management Plan is to avoid, remedy or mitigate the effects of construction activities on trees, identified to be retained in Condition LV.3 (ULDMP).</p> <p>(b) The Tree Management Plan shall:</p> <ul style="list-style-type: none"> i) demonstrate how the design and location of project works has avoided, remedied or mitigated any effects on any tree identified in Condition LV.3. This may include: <ul style="list-style-type: none"> A. planting to replace trees that require removal (with reference to the ULDMP planting design details in Condition LV.3(f); B. tree protection zones and tree protection measures such as protective fencing, ground protection and physical protection of roots, trunks and branches; and C. methods for work within the rootzone of trees that are to be retained in line with accepted arboricultural standards. ii) demonstrate how the tree management measures (outlined in A – D above) are consistent with conditions of any resource consents granted for the project in relation to managing construction effects on trees.
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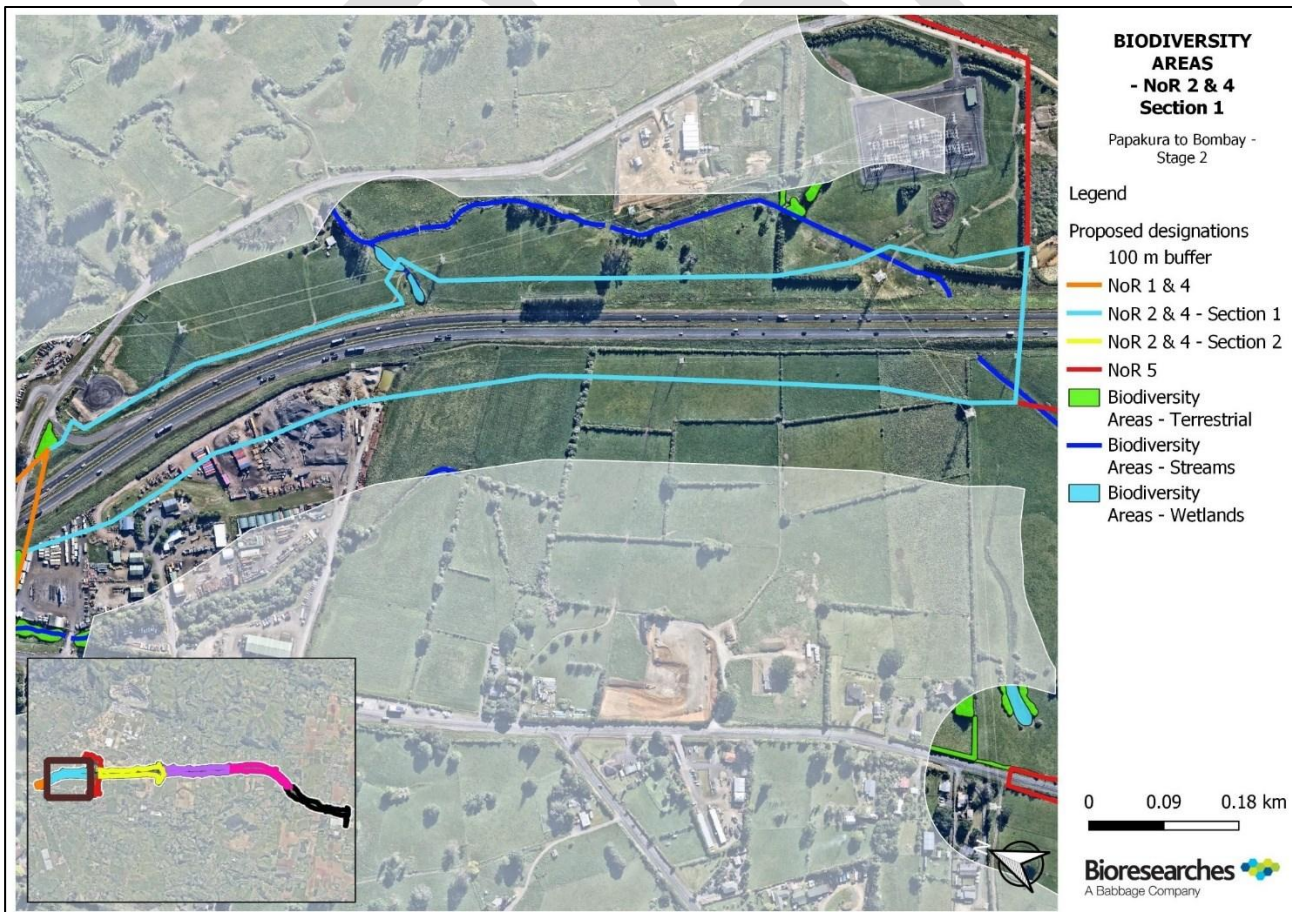
Operational Noise (ON)

Ref	Condition
Low Noise Road Surface [ON.3 applies to the Stage 2 Project Area only]	
ON.1	Asphaltic mix surface shall be implemented within twelve months of completion of construction of the Project.
ON.2	The asphaltic mix surface shall be maintained to retain the noise reduction performance as far as practicable.
Traffic Noise [ON.3 applies to the Stage 2 Project Area only]	
ON.3	<p>(a) For the purposes of Conditions ON.3(a) to (p):</p> <ul style="list-style-type: none"> i) Building-Modification Mitigation – has the same meaning as in NZS 6806; ii) Design year has the same meaning as in NZS 6806; iii) Detailed Mitigation Options – means the fully detailed design of the Selected Mitigation Options, with all practical issues addressed; iv) Habitable Space – has the same meaning as in NZS 6806; v) Identified Noise Criteria Category – means the Noise Criteria Category for a PPF identified in in Schedule 3: Identified PPFs Noise Criteria Categories; vi) Mitigation – has the same meaning as in NZS 6806:2010 Acoustics – Road-traffic noise – New and altered roads; vii) Noise Criteria Categories – means the groups of preference for sound levels established in accordance with NZS 6806 when determining the Best Practicable Option for noise mitigation (i.e. Categories A, B and C); viii) NZS 6806 – means New Zealand Standard NZS 6806:2010 Acoustics – Road-traffic noise – New and altered roads;

- ix) P40 – means Transport Agency NZTA P40:2014 Specification for noise mitigation;
 - x) Protected Premises and Facilities (PPFs) – means only the premises and facilities identified in green, orange or red in Schedule 3: Identified PPFs Noise Criteria Categories;
 - xi) Selected Mitigation Options – means the preferred mitigation option resulting from a Best Practicable Option assessment undertaken in accordance with NZS 6806; and
 - xii) Structural Mitigation – has the same meaning as in NZS 6806
- (b) The Noise Criteria Categories identified in Schedule 3: Identified PPFs Noise Criteria Categories at each of the PPFs shall be achieved where practicable and subject to Conditions ON.3(a) to (p) (all traffic noise conditions).
- Achievement of the Noise Criteria Categories for PPFs shall be by reference to a traffic forecast for a high growth scenario in a design year at least 10 years after the programmed opening of the Project.
- (c) As part of the detailed design of the Project, a Suitably Qualified Person shall determine the Selected Mitigation Options for the PPFs identified on Schedule X: Identified PPFs Noise Criteria Categories.
- (d) Prior to construction of the Project, a Suitably Qualified Person shall develop the Detailed Mitigation Options for the PPFs identified in Schedule 3: Identified PPFs Noise Criteria Categories, taking into account the Selected Mitigation Options.
- (e) If the Detailed Mitigation Options would result in the Identified Noise Criteria Category changing to a less stringent Category, e.g. from Category A to B or Category B to C, at any relevant PPF, a Suitably Qualified Person shall provide confirmation to the Manager that the Detailed Mitigation Option would be consistent with adopting the Best Practicable Option in accordance with NZS 6806 prior to implementation.
- (f) Prior to the Start of Construction, a Noise Mitigation Plan written in accordance with P40 shall be provided to the Manager for information.
- (g) The Detailed Mitigation Options shall be implemented prior to completion of construction of the Project, with the exception of any low-noise road surfaces, which shall be implemented within twelve months of completion of construction.
- (h) Prior to the Start of Construction, a Suitably Qualified Person shall identify those PPFs which, following implementation of all the Detailed Mitigation Options, will not be Noise Criteria Categories A or B and where Building-Modification Mitigation might be required to achieve 40 dB LAeq(24h) inside Habitable Spaces ('Category C Buildings').
- (i) Prior to the Start of Construction in the vicinity of each Category C Building, the Requiring Authority shall write to the owner of the Category C Building requesting entry to assess the noise reduction performance of the existing building envelope. If the building owner agrees to entry within three months of the date of the Requiring Authority's letter, the Requiring Authority shall instruct a Suitably Qualified Person to visit the building and assess the noise reduction performance of the existing building envelope.
- (j) For each Category C Building identified, the Requiring Authority is deemed to have complied with Condition ON.3(g) above if:
- i) The Requiring Authority's Suitably Qualified Person has visited the building and assessed the noise reduction performance of the building envelope; or
 - ii) The building owner agreed to entry, but the Requiring Authority could not gain entry for some reason (such as entry denied by a tenant); or

- iii) The building owner did not agree to entry within three months of the date of the Requiring Authority's letter sent in accordance with Condition ON.3(e) above (including where the owner did not respond within that period); or
 - iv) The building owner cannot, after reasonable enquiry, be found prior to completion of construction of the Project.
 - v) If any of (i) to (v) above apply to a Category C Building, the Requiring Authority is not required to implement Building-Modification Mitigation to that building.
- (k) Subject to Condition ON.3(f) above, within six months of the assessment undertaken in accordance with ON.3(e) and (f), the Requiring Authority shall write to the owner of each Category C Building advising:
- i) If Building-Modification Mitigation is required to achieve 40 dB LAeq(24h) inside habitable spaces; and
 - ii) The options available for Building-Modification Mitigation to the building, if required; and
 - iii) That the owner has three months to decide whether to accept Building-Modification Mitigation to the building and to advise which option for Building-Modification Mitigation the owner prefers, if the Requiring Authority has advised that more than one option is available.
- (l) Once an agreement on Building-Modification Mitigation is reached between the Requiring Authority and the owner of a Category C Building, the mitigation shall be implemented, including any third party authorisations required, in a reasonable and practical timeframe agreed between the Requiring Authority and the owner.
- (m) Subject to Condition ON.3(f), where Building-Modification Mitigation is required, the Requiring Authority is deemed to have complied with Condition ON.3(h) if:
- i) The Requiring Authority has completed Building Modification Mitigation to the building; or
 - ii) An alternative agreement for mitigation is reached between the Requiring Authority and the building owner; or
 - iii) The building owner did not accept the Requiring Authority's offer to implement Building Modification Mitigation within three months of the date of the Requiring Authority's letter sent in accordance with Condition ON.3(f) (including where the owner did not respond within that period); or
 - iv) The building owner cannot, after reasonable enquiry, be found prior to completion of construction of the Project.
- (n) Within twelve months of completion of construction of the Project, a post-construction review report written in accordance with P40 Specification for Noise Mitigation 2014 shall be provided to the Manager.
- (o) The Detailed Mitigation Options shall be maintained so they retain their noise reduction performance as far as practicable.
- (p) The Noise Criteria Categories at the PPFs identified in Schedule 3: Identified PPFs Noise Criteria Categories do not need to be complied with where:
- i) the PPF no longer exists; or
 - ii) agreement of the landowner has been obtained confirming that the Noise Criteria Category level does not need to be met.

Schedule 2: Ecological Management Plan – Identified Biodiversity Areas



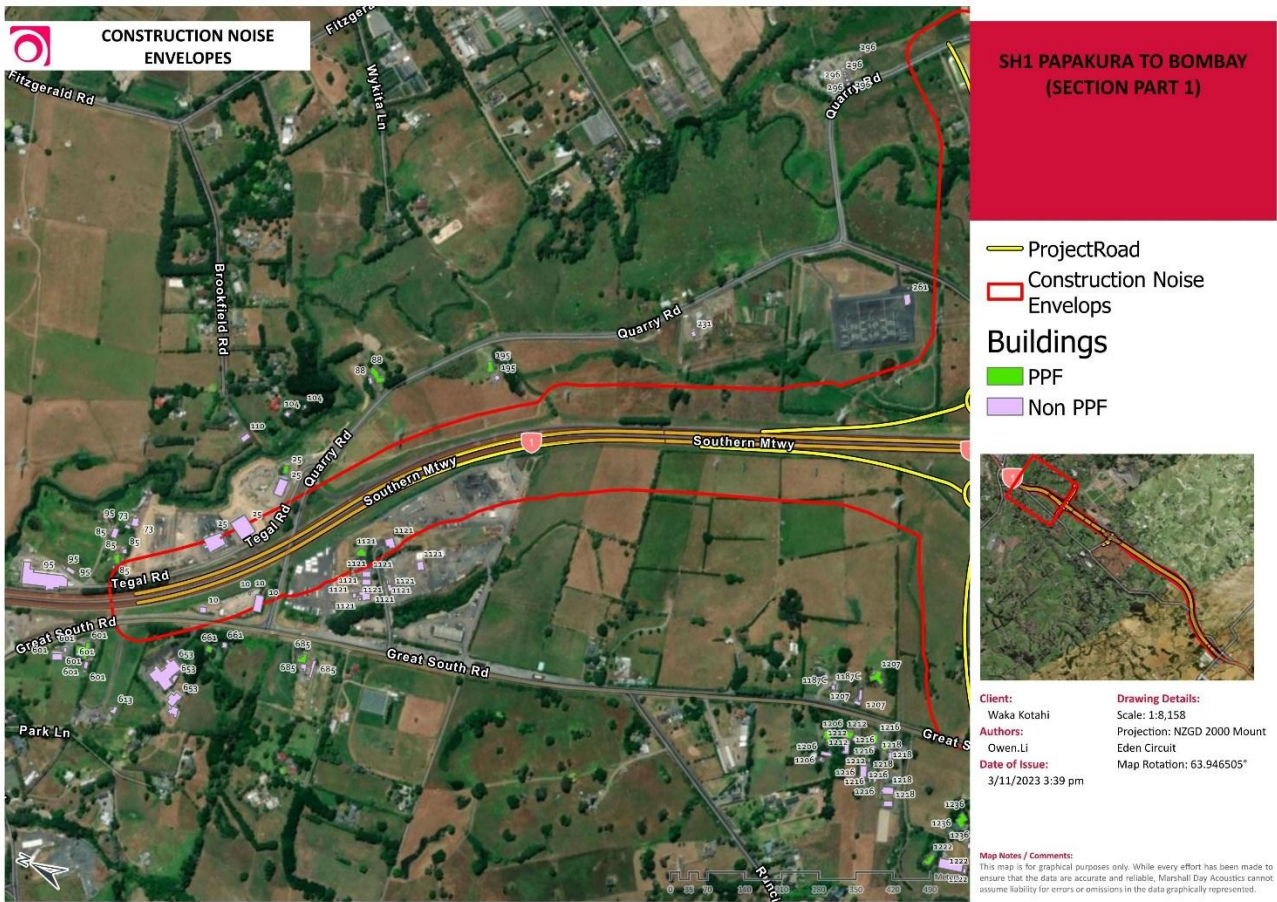
Schedule 3: Identified PPFs Noise Criteria Categories

Schedule: PPFs assess against alter road Criteria

PPF Address	Noise Criteria Category
601 Great South Road	B
661 Great South Road	A
685 Great South Road	A
1121 Great South Road	C
88 Quarry Road	A
195 Quarry Road	A
25 Tegel Road	A
85 Tegel Road	C

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PPFs Location Map – assess against altered road Criteria



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