

## DRAFT

The base draft conditions include those as lodged with the application, as well as the amendments by Waka Kotahi dated 21 March 2023 (all shown in black). Recommended amendments the shown as deletions in ~~strike through~~ and additions underlined. Further amendments recommend in various s87F reports, in some cases notated by comment boxes.

### Designations, resource consents and applicable conditions

The following tables list the designations, resource consents, the conditions, lapse periods and expiry dates that apply to each resource consent.

Designations			
Reference	Designation	Applicable Conditions	Lapse Period
<b>Horowhenua District Council</b>			
D1	The construction, operation, maintenance and improvement of a state highway and shared user path and associated infrastructure, between Taylors Road (to the north of Ōtaki) and State Highway 1 north of Levin known as the Ōtaki to North of Levin Highway Project.	General and Administration DGA1 to DGA9 Construction Management DCM1 Tangata Whenua Values DTW1 to DTW5 Archaeology DAH1 Communication and Engagement DCE1 to DCE4 Landscape and Visual DLV1 and DLV2 Construction Noise and Vibration DNV1 to DNV4 Construction Traffic DCT1 Shared Path DSP1 Operational Road-Traffic Noise DRN1 to DRN6 Post-Construction and On-Going Operation DPC1	Ten (10) years from the date the designation is included in the Horowhenua District Plan

Designations			
Reference	Designation	Applicable Conditions	Lapse Period
<b>Kāpiti Coast District Council</b>			
D2	The construction, operation, maintenance and improvement of a state highway and shared user path and associated infrastructure between Taylors Road (to the north of Ōtaki) and State Highway 1 north of Levin known as the Ōtaki to North of Levin Highway Project.	General and Administration DGA1 to DGA9 Construction Management DCM1 Tangata Whenua Values DTW1 to DTW5 Archaeology DAH1 Communication and Engagement DCE1 to DCE4 Landscape and Visual DLV1 and DLV2 Construction Noise and Vibration DNV1 to DNV4 Construction Traffic DCT1 Shared Path DSP1 Operational Road-Traffic Noise DRN1 to DRN6 Post-Construction and On-Going Operation DPC1	Ten (10) years from the date the designation is included in the Kāpiti Coast District Plan

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
<b>Construction Phase Resource Consents: Manawatū-Whanganui Regional Council</b>					
RC1	Land use consent, water permit and discharge permit (sections 9(2), 14 and 15 of the RMA and One Plan Rule 13-2)	The activity authorised by this resource consent is large scale earthworks (including the ancillary diversion of water and the discharge of sediment to water) where the earthworks are not: - in a rare, at risk or threatened habitat;	[to be finalised]	10 years	10 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
		<ul style="list-style-type: none"> <li>- within 5m of the bed of a permanently flowing river;</li> <li>- within 5m of the bed of a river that is not permanently flowing and has a width greater than 1m; or</li> <li>- within 10m of a wetland identified in Schedule F.</li> </ul>			
RC2	Land use consent, water permit and discharge permit (sections 9(2), 13, 14 and 15 of the RMA and One Plan Rule 13-7)	<p>The activity authorised by this resource consent is land disturbance and vegetation clearance (including any ancillary disturbance of the bed of a river division of water and discharge of sediment or slash) that is not in a 'rare', 'at-risk' or 'threatened' habitat and is:</p> <ul style="list-style-type: none"> <li>- within 5m of the bed of a permanently flowing river;</li> <li>- within 5m of the bed of a river that is not permanently flowing and has a width greater than 1m; or</li> <li>- within 10m of a wetland identified in Schedule F but outside of a rare, at risk or threatened habitat.</li> </ul>	[to be finalised]	10 years	10 years
RC3	Land use consent (sections 9(2) and 13 of the RMA and One Plan Rule 13-8)	The activity authorised by this resource consent is large scale earthworks and vegetation clearance within an 'at-risk' habitat.	[to be finalised]	10 years	10 years
RC4	Discharge permit (section 15 of the RMA and One Plan Rule 13-8)	The activity authorised by this resource consent is the discharge of water or contaminants to water or land within an 'at-risk' habitat.	[to be finalised]	10 years	10 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
RC5	Land use consent (sections 9(2) and 13 of the RMA and One Plan Rule 13-9)	The activity authorised by this resource consent is large scale earthworks and vegetation clearance within a 'rare' or 'threatened' habitat.	[to be finalised]	10 years	10 years
RC6	Discharge permit (section 15 of the RMA and One Plan Rule 13-9)	The activity authorised by this resource consent is the discharge of water or contaminants to water or land within a 'rare' or 'threatened' habitat.	[to be finalised]	10 years	10 years
RC7	Discharge permit (section 15 of the RMA and One Plan Rule 14-30)	The activity authorised by this resource consent is the discharge or placement of cleanfill.	[to be finalised]	10 years	10 years
RC8	Discharge permit is sought pursuant to section 15 of the RMA and One Plan Rule 15-17)	The activity authorised by this resource consent is the discharge of contaminants to air.	[to be finalised]	10 years	10 years
RC9	Water permit (section 14 of the RMA and One Plan Rule 16-9)	The activity authorised by this resource consent is the taking of surface water.	[to be finalised]	10 years	10 years
RC10	Water permit (Section 14 of the RMA and One Plan Rule 16-9)	The activity authorised by this resource consent is taking of water for construction related dewatering outside of an 'at-risk', 'rare' or 'threatened' habitat.	[to be finalised]	10 years	10 years
RC11	Land use consent, water permit and discharge permit (sections 9(2), 13, 14 and 15	The activity authorised by this resource consent is the placement of a bridge over the Ohau River and	[to be finalised]	10 years	10 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
	of the RMA and One Plan Rule 17-3)	Waikawa Stream (and associated disturbance, diversion, deposition and discharges).			
RC12	Land use consent, water permit and discharge permit (sections 9(2), 13, 14 and 15 of the RMA and One Plan Rule 17-15)	The activity authorised by this resource consent is the placement of a bridge over the Waiauti, Manakau and Kuku Streams (and associated disturbance, diversion, deposition and discharges).	[to be finalised]	10 years	10 years
RC13	Land use consent (sections 9(2) of the RMA and Regulation 45 of the NES-F)	The activity authorised by this resource consent is vegetation clearance, earthworks and land disturbance within or near natural wetlands for the purpose of constructing specified infrastructure.	[to be finalised]	10 years	10 years
Construction and Operational Phase Resource Consents: Manawatū-Whanganui Regional Council					
RC14	Water permit (section 14 of the RMA and One Plan Rule 13-8)	The activity authorised by this resource consent is the diversion of water within an 'at-risk' habitat.	[to be finalised]	10 years	35 years
RC15	Discharge permit (section 15 of the RMA and One Plan Rule 13-8)	The activity authorised by this resource consent is the discharge of water within an 'at-risk' habitat.	[to be finalised]	10 years	35 years
RC16	Water permit (section 14 of the RMA and Rule 13-9)	The activity authorised by this resource consent is the diversion of water within a 'rare' or 'threatened' habitat.	[to be finalised]	10 years	35 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
RC17	Discharge permit (section 15 of the RMA and One Plan Rule 13-9)	The activity authorised by this resource consent is the discharge of water within an 'rare' or 'threatened' habitat.	[to be finalised]	10 years	35 years
RC18	Discharge permit (section 15 of the RMA and One Plan Rule 14-25)	The activity authorised by this resource consent is the discharge of water to a reach of a surface water body or its bed with a Schedule B Value of Sites of Significance – Aquatic.	[to be finalised]	10 years	35 years
RC19	Water permit (section 14 and One Plan Rule 16-9)	The activity authorised by this resource consent is the taking of water for operational related dewatering outside of an 'at-risk', 'rare' or 'threatened' habitat.	[to be finalised]	10 years	35 years
RC20	Water permit (section 14 of the RMA and One Plan Rule 16-13)	The activity authorised by this resource consent is the diversion of water outside of an 'at-risk', 'rare' or 'threatened' habitat.	[to be finalised]	10 years	35 years
RC21	Land use consent (section 13 of the RMA and Rule 17-23)	The activity authorised by this resource consent is the placement of culverts (and associated disturbance, diversion, deposition and discharges)	[to be finalised]	10 years	35 years
RC22	Water permit (sections 14 and 15 of the RMA and Regulation 45 of the NES-F)	The activity authorised by this resource consent is the taking, use, damming, diversion, or discharge of water within or near natural wetlands for the purposes of constructing specified infrastructure.	[to be finalised]	10 years	35 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
RC23	Land use consent (section 13 and Regulation 57 of the NES-F)	The activity authorised by this resource consent is the reclamation of stream beds.	[to be finalised]	10 years	35 years
RC24	Land use consent (section 13 of the RMA and Regulation 71 of the NES-F)	The activity authorised by this resource consent is the placement, use, alteration, extension, or reconstruction of a culvert in, on, over, or under the bed of a river.	[to be finalised]	10 years	35 years
<b>Construction Phase Resource Consents: Greater Wellington Regional Council</b>					
RC25	Land use consent and water permit (sections 9(2) and 15 of the RMA and PNRP Rule R107)	The activity authorised by this resource consent is earthworks (including any discharge of sediment).	[to be finalised]	10 years	10 years
RC26	Discharge permit (section 15 and PNRP Rule R42)	The activity authorised by this resource consent is the discharge of contaminants to air.	[to be finalised]	10 years	10 years
RC27	Discharge permit (section 15 of the RMA and PNRP Rule R94)	The activity authorised by this resource consent is the discharge of cleanfill to land and water.	[to be finalised]	10 years	10 years
RC28	Water permit (section 14 and PNRP Rule K.R1)	The activity authorised by this resource consent is the taking of surface water in Kāpiti Whaitua.	[to be finalised]	10 years	10 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
RC29	Land use consent (sections 9(2) of the RMA and Regulation 45 of the NES-F)	The activity authorised by this resource consent is vegetation clearance, earthworks and land disturbance within or near natural wetlands for the purpose of constructing specified infrastructure.	[to be finalised]	10 years	10 years
<b>Operational Phase Resource Consents: Greater Wellington Regional Council</b>					
RC30	Discharge permit is (section 15 of the RMA and PNRP Rule R50)	The activity authorised by this resource consent is the discharge of treated stormwater	[to be finalised]	10 years	35 years, but will be surrendered when a region-wide discharge permit for all state highway stormwater discharges is in place.
RC31	Land use consent, water permit and discharge permit (sections 9(2), 14 and 15 of the RMA and PNRP Rule R118)	The activity authorised by this resource consent is works within, and reclamation of, a wetland.	[to be finalised]	10 years	10 years (water permit and discharge permit) Unlimited (land use consent)
RC32	Land use consent (sections 13 of the RMA and PNRP Rule R143)	The activity authorised by this resource consent is the reclamation of streams associated with the installation of culverts.	[to be finalised]	10 years	35 years



Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
RC33	Land use consent (sections 13, 14 and 15 of the RMA and PNRP Rule R145)	The activity authorised by this resource consent is the placement of culverts (but not reclamation or diversion of water).	[to be finalised]	10 years	35 years
RC34	Water permit (section 14 of the RMA and PNRP Rule R147)	The activity authorised by this resource consent is the diversion of streams.	[to be finalised]	10 years	35 years
RC35	Water permit (section 14 of the RMA and PNRP Rule R160)	The activity authorised by this resource consent is dewatering.	[to be finalised]	10 years	35 years
RC36	Discharge permit (section 15 of the RMA and PNRP Rule R160)	The activity authorised by this resource consent is dewatering.	[to be finalised]	10 years	35 years
RC37	Water permit (sections 14 and 15 of the RMA and Regulation 45 of the NES-F)	The activity authorised by this resource consent is the taking, use, damming, diversion, or discharge of water within or near natural wetlands for the purposes of constructing specified infrastructure.	[to be finalised]	10 years	35 years
RC38	Land use consent (section 13 and Regulation 57 of the NES-F)	of the reclamation of stream beds.	[to be finalised]	10 years	35 years
RC39	Land use consent (section 13 of the RMA and Regulation 71 of the NES-F)	The activity authorised by this resource consent is the placement, use, alteration, extension, or	[to be finalised]	10 years	35 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
		reconstruction of a culvert in, on, over, or under the bed of a river.			

## Designation and resource consent conditions abbreviations, acronyms and terms

Abbreviation/Acronym Term	Term/Definition
Cleanfill material	Material that when buried will have no adverse effect on people or the environment and includes virgin natural materials such as clay, soil and rock, and other inert materials such as concrete or brick that are free of: <ol style="list-style-type: none"> <li>combustible, putrescible, degradable or leachable components;</li> <li>hazardous substances;</li> <li>products or materials derived from hazardous waste treatment, hazardous waste stabilisation or hazardous waste disposal practices;</li> <li>materials that may present a risk to human health;</li> <li>liquid waste; and</li> <li>for the purpose of this Project, any archaeological material or from a wāhi tapu or site of cultural significance.</li> </ol>
Complaint	For the purposes of Condition DCE3 and RCM2, a complaint may include more than one complaint made in relation to the same or similar event or activity.
Construction activities	Activities undertaken to construct the Project, excluding establishment works, and including: <ol style="list-style-type: none"> <li>temporary and permanent drainage installation;</li> <li>reclamation and stream diversion;</li> <li>culvert installation;</li> <li>earthworks, including cut and fill activities;</li> <li>bridge construction;</li> <li>pavements and surfacing;</li> <li>site reinstatement;</li> <li>landscaping; and</li> <li>installation of permanent road furniture and ancillary works.</li> </ol>
Construction footprint	The area in the Project Area within which construction activities occur.
Detailed site investigation	Has the same meaning as included in the Regulation 3 of the Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011
District Council	Horowhenua District Council and/or Kāpiti Coast District Council
dB	Decibel
District Plan	Horowhenua District Plan and/or Kāpiti Coast District Plan

Abbreviation/Acronym Term	Term/Definition
Earthworks	The alteration or disturbance of land, including by moving, removing, placing, blading, cutting, contouring, filling or excavation of earth (or any matter constituting the land including soil, clay, sand and rock); but excludes gardening, cultivation, and disturbance of land for the installation of fence posts.
Establishment works	Preliminary activities undertaken in advance of construction activities commencing, including within a particular stage or geographic area, as follows: <ul style="list-style-type: none"> <li>a) site-wide geotechnical investigations and material reuse testing and earthwork methodology;</li> <li>b) topographical surveys;</li> <li>c) ecological, cultural, archaeological and heritage surveys and relocations;</li> <li>d) baseline monitoring;</li> <li>e) contaminated land testing;</li> <li>f) protection of and/or relocation of utilities;</li> <li>g) formation of site access and haul roads, including temporary stream crossings;</li> <li>h) formation of construction access tracks and/or reconfiguration of existing of access tracks;</li> <li>i) development of the construction yard and main site offices;</li> <li>j) works associated with the abstraction of water needed to construct the Project and associated reservoirs (for storage);</li> <li>k) property fencing and demarcation of areas where construction activities will not occur;</li> <li>l) installation of erosion and sediment control measures associated with establishment works;</li> <li>m) clearance of vegetation associated with establishment works (and clearing buildings and other features); and</li> <li>n) management plan production.</li> </ul>
Horizons	Manawatū-Whanganui Regional Council
Incident	For the purposes of Condition RCM3, an incident is an unforeseen event that has not or cannot be prevented and has a consequence in terms of the consent holder's ability to comply with the conditions of these resource consents. An incident may include more than one incident that relates to the same or similar event or activity.
km/h	Kilometres per hour
Land disturbance	The alteration or disturbance of land (or any matter constituting the land including soil, clay, sand and rock) that does not permanently alter the profile, contour or height of the land.
m/s	Metres per second
NZS 6803:1999	New Zealand Standard NZS 6803:1999 'Acoustics – Construction Noise'.

Abbreviation/Acronym Term	Term/Definition
One Plan	The Manawatū-Whanganui Regional Council's One Plan
PPF/PPFs	Protected premises and facilities
Project	The construction, operation, maintenance and improvement of a state highway and shared path and associated infrastructure between Taylors Road (to the north of Ötaki) and State Highway 1 north of Levin known as the Ötaki to North of Levin Highway Project.
Project Area	The area within the boundaries of the proposed designations and immediate surrounds.
Project Iwi Partners	Muaūpoko Tribal Authority and the following hapū of Ngāti Raukawa ki te Tonga: Ngā Hapū o Ötaki (on behalf of Ngāti Kapumanawawhiti), Ngāti Hikitunga, Ngāti Huia ki Poroutawhao, Ngāti Huia ki Mātau, Ngāti Kikopiri, Ngāti Ngarongo, Ngāti Pareraukawa, Ngāti Takihiku, Ngāti Tukorehe and Ngāti Wehiwehi.
Provided / submitted	The sharing or transfer of a document, plan, outline plan or report to the District Council, Regional Council or Project Iwi Partners by electronic means including via email or a file transfer.
Regional Council	Manawatū-Whanganui Regional Council and/or Greater Wellington Regional Council
Regional Plan	The Manawatū-Whanganui Regional Council's One Plan and/or the Natural Resources Plan for the Wellington Region
RMA	Resource Management Act 1991
Requiring authority or consent holder	Waka Kotahi NZ Transport Agency
Suitably qualified person	A person who is competent and experienced in the relevant field of expertise

## Designation conditions

### Designation conditions index

Condition Number	Condition
<b>General and Administration</b>	
DGA1	General accordance
DGA2	Compliance with outline plan and management plans
DGA3	Operation and maintenance (Including post-construction removal of conditions)
DGA4	Post-construction review of designation width
DGA5	Lapse period
DGA6	Outline plan: construction activities
DGA7	Revision of an outline plan
DGA8	Establishment works
DGA9	Suitably qualified person
<b>Construction Management</b>	
DCM1	Construction Environmental Management Plan
<b>Tangata Whenua Values</b>	
DTW1	Karakia
DTW2	Tangata Whenua oversight
DTW3	Muaūpoko Management Plan
DTW4	Ngāti Raukawa ki te Tonga Management Plan
DTW5	Cultural and Environmental Design Framework
<b>Archaeology</b>	
DAH1	Archaeology discovery protocol

Condition Number	Condition
<b>Communications and Engagement</b>	
DCE1	Community liaison person
DCE2	Community liaison group
DCE3	Complaints management
DCE4	Communications Plan
<b>Landscape and Visual</b>	
DLV1	Landscape planting
DLV2	Visual effects
<b>Construction Noise and Vibration</b>	
DNV1	Construction noise limits
DNV2	Construction vibration limits
DNV3	Construction noise mitigation
DNV4	Construction Noise and Vibration Management Plan
<b>Construction Traffic</b>	
DCT1	Construction Traffic Management Plan
<b>Operational Road-Traffic Noise</b>	
DRN1	Low-noise road surface
DRN2	Noise barriers
DRN3	Design of low-noise road surfaces and noise barriers
DRN4	Post-construction review of low-noise road surfaces and noise barriers
DRN5	Audio tactile profiled road markings
DRN6	Building modifications

Condition Number	Condition
<b>Post-Construction and On-Going Operation</b>	
DPC1	Monitoring and management
<b>Schedules</b>	
Schedule 1	Referenced drawings
Schedule 2	Objectives and content of the Construction Environmental Management Plan
Schedule 3	Objectives and content of the Muaūpoko Management Plan Ngāti Raukawa ki te Tonga Management Plan
Schedule 4	Objectives and content of the Ngāti Raukawa ki te Tonga Management Plan
Schedule 5	Objectives and content of the Communications Plan
Schedule 6	Methodology for revised assessment of visual effects

## Designation conditions

Condition Number	Condition
<b>General and Administration</b>	
DGA1	<p><b>General accordance</b></p> <p>a) Except as modified by the conditions below, and subject to detailed design, the Project must be undertaken in general accordance with the following information provided in support of the Notices of Requirement for a Designation dated 1 November 2022:</p> <ol style="list-style-type: none"> <li>i. 'Volume II Notices of Requirement for a Designation and Application for Resource Consents: Supporting Information and Assessment of Effects on the Environment' Part C Project Description;</li> <li>ii. 'Volume III Drawings and Plans' as follows:               <ol style="list-style-type: none"> <li>A. Geometrics: General Arrangement Plans;</li> <li>B. Geometrics: Plan and Long Sections;</li> <li>C. Geometrics: Typical Sections;</li> <li>D. Geometrics: Cross Sections;</li> <li>E. Structures; and</li> <li>F. Accommodation Works.</li> </ol> </li> </ol> <p>b) Where there is inconsistency between the documents listed in clause (a) the requirements of these conditions prevail.</p>



Condition Number	Condition
DGA2	<p><b>Compliance with outline plan and management plans</b></p> <p>a) The Project must be undertaken in accordance with the most recent version of the following:</p> <ul style="list-style-type: none"> <li>i. an outline plan that has been submitted to the District Council;</li> <li>ii. a Construction Environmental Management Plan required by Condition DCM1, including: <ul style="list-style-type: none"> <li>A. a Construction Noise and Vibration Management Plan required by Condition DNV4;</li> <li>B. a Construction Traffic Management Plan required by Condition DCT1;</li> </ul> </li> <li>iii. a Communications Plan required by Condition DCE4;</li> <li>iv. a Muaūpoko Management Plan required by Condition TW3; and</li> <li>v. a Ngāti Raukawa ki te Tonga Management Plan required by Condition TW4.</li> </ul>
DGA3	<p><b>Operation and maintenance (including post-construction removal of conditions)</b></p> <p>a) Other than as referenced in relation to monitoring required by Condition DPC1, the following conditions relate to the construction of the Project and, once construction activities are complete, these conditions will no longer apply and can be removed as part of a review or change to a District Plan or in accordance with section 181 of the RMA:</p> <ul style="list-style-type: none"> <li>i. General and Administration Conditions DGA6 to DGA9;</li> <li>ii. Construction Management Condition DCM1;</li> <li>iii. Tangata Whenua Values Conditions DTW1 to DTW5;</li> <li>iv. Archaeology Condition DAH1;</li> <li>v. Communications and Engagement Condition DCE1 to DCE4;</li> <li>vi. Landscape and Visual Condition DLV1 to DLV2;</li> <li>vii. Construction Noise and Vibration Condition DNV1 to DNV4;</li> <li>viii. Construction Traffic Condition DCT1; and</li> <li>ix. Shared Path Condition DSP1.</li> </ul> <p>b) For the avoidance of doubt, none of the conditions listed in clause (a) prevent or apply to the ongoing operation or maintenance of the Project within the designation where the provisions of section 176A of the RMA apply.</p>
DGA4	<p><b>Post-construction review of designation width</b></p> <p>a) As soon as practicable following the Project being open for public use, the requiring authority must:</p> <ul style="list-style-type: none"> <li>i. review the width of the area designated for the Project;</li> <li>ii. identify any areas of designated land that are no longer necessary for the on-going operation or maintenance of the Project; or for on-going mitigation, offsetting, or compensation measures required to address adverse effects of the Project; and</li> <li>iii. give notice to the District Council in accordance with section 182 of the RMA that those parts of the designation identified under clause (a)(ii) are no longer wanted.</li> </ul>
DGA5	<p><b>Lapse period</b></p> <p>a) The designation lapses if not given effect to within ten (10) years from the date on which the designation is included in a district plan under section 175 of the RMA.</p>
DGA6	<p><b>Outline plan</b></p> <p>a) Except where Condition DGA7 or DGA8 applies, an outline plan or outline plans must be prepared and submitted to the District Council in accordance with section 176A of the RMA.</p>

Condition Number	Condition
	<ul style="list-style-type: none"> <li>b) An outline plan may be for the entire Project or for one or more stages, aspects, sections or locations of construction activities.</li> <li>c) An outline plan must include the following, where relevant to the particular design or construction matters being addressed:               <ul style="list-style-type: none"> <li>i. the Construction Environmental Management Plan required by Condition DCM1 that includes a:                   <ul style="list-style-type: none"> <li>A. Construction Noise and Vibration Management Plan required by Condition DNV4; and</li> <li>B. Construction Traffic Management Plan required by Condition DCT1;</li> </ul> </li> <li>ii. a Design Review Audit completed in accordance with Condition DTW5;</li> <li>iii. the design report required by Condition DRN3;</li> <li>iv. the outcomes, including any recommended mitigation, of consultation with a suitably qualified and experienced person or persons regarding the potential heritage impacts of the Queen Street East pedestrian and cycling connection on 'Ashleigh', located at 1024 Queen Street East; and</li> <li>v. a revised assessment of visual effects required by Condition DLV2.</li> </ul> </li> </ul>
DGA7	<p><b>Revision of an outline plan</b></p> <ul style="list-style-type: none"> <li>a) The documents and plans referred to in Condition DGA6(c)(i) may be amended to provide updated information or reflect changes in design or construction methods without the need for a further outline plan where the proposed amendment is provided in writing to the District Council at least ten (10) working days prior to the related activities being undertaken and the amendment is in general accordance with the outcome or purpose described in the original outline plan.</li> <li>b) Where clause (a) does not apply an outline plan must be submitted to the District Council.</li> </ul>
DGA8	<p><b>Establishment works</b></p> <ul style="list-style-type: none"> <li>a) The requirement for an outline plan for establishment works is waived under section 176A(2) of the RMA.</li> </ul>
DGA9	<p><b>Suitably qualified person</b></p> <ul style="list-style-type: none"> <li>a) The following documents or measures that are required to be prepared or undertaken by these conditions must be prepared or undertaken by a suitably qualified person or persons:               <ul style="list-style-type: none"> <li>i. the assessment of visual effects required by Condition DLV2;</li> <li>ii. a Construction Noise and Vibration Management Plan required by Condition DNV4; and</li> <li>iii. a Construction Traffic Management Plan required by Condition DCT1.</li> </ul> </li> </ul>
<b>Construction Management</b>	
DCM1	<p><b>Construction Environmental Management Plan</b></p> <ul style="list-style-type: none"> <li>a) A Construction Environmental Management Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 2 to these conditions.</li> <li>b) The Construction Environmental Management Plan required by clause (a) must be prepared in consultation with the Project Iwi Partners and the Community Liaison Group required by Condition DCE2.</li> </ul>

Condition Number	Condition
<b>Tangata Whenua Values</b>	
DTW1	<p><b>Karakia</b></p> <p>a) Karakia must be undertaken before:</p> <ol style="list-style-type: none"> <li>i. the commencement of construction activities; and</li> <li>ii. the Project being open for public use.</li> </ol>
DTW2	<p><b>Tangata Whenua oversight</b></p> <p>a) The requiring authority must invite representatives of the Project Iwi Partners to a site visit at least monthly during construction activities.</p> <p>b) The representatives of the Project Iwi Partners must be invited to the site visit with a minimum of ten (10) working days notice.</p> <p>c) The purpose of the site visit is to provide oversight of construction activities and progress across the whole of the Project.</p> <p>d) Condition DTW2 is complied with where the requirements of clause (b) are met and the Project Iwi Partners do not undertake the site visit.</p>
DTW3	<p><b>Muaūpoko Management Plan</b></p> <p>a) A Muaūpoko Management Plan or Plans must be prepared to achieve the objectives, and include the content, set out in Schedule 3 to these conditions.</p> <p>b) Muaūpoko Tribal Authority to endorse a person or persons to prepare the Muaūpoko Management Plan or Plans required by clause (a).</p>
DTW4	<p><b>Ngāti Raukawa ki te Tonga Management Plan</b></p> <p>a) A Ngāti Raukawa ki te Tonga Management Plan or Plans must be prepared to achieve the objectives, and include the content, set out in Schedule 4 to these conditions.</p> <p>b) The requiring authority must invite the hāpu of Ngāti Raukawa ki te Tonga to together endorse a person or persons to prepare the Ngāti Raukawa ki te Tonga Management Plan or Plans required by clause (a).</p>
DTW5	<p><b>Cultural and Environmental Design Framework</b></p> <p>a) The Project must be consistent with the Design Principles in Chapter 3 of the '<i>Cultural and Environmental Design Framework</i>', Consent Version, dated October 2022.</p> <p>b) Design Review Audits, set out in Chapter 4 of the '<i>Cultural Environmental Design Framework</i>', to confirm that the Project is consistent with the Design Principles must be undertaken:</p> <ol style="list-style-type: none"> <li>i. prior to the commencement of construction; and</li> <li>ii. every three (3) months until the Project is open for public use.</li> </ol> <p>c) A Design Review Audits required by clause (b) may describe design elements of the Project with reference to, but not limited to, Chapter 4 of '<i>the Cultural and Environmental Design Framework</i>', Consent Version, dated October 2022.</p> <p>d) A Design Review Audit required by clause (b) must be provided to the District Council on request.</p>

**Commented [RC1]:** Tangata Whenua conditions are not cross referenced or repeated in the Regional Council conditions, which needs to be addressed.

Condition Number	Condition
<b>Archaeology</b>	
DAH1	<p><b>Archaeology discovery protocol</b></p> <p>a) In the event that construction activities result in the discovery or disturbance of an archaeological site, kōiwi tangata, wāhi tapu or wāhi taonga, the requiring authority must cease construction activities in the immediate vicinity of the discovery or disturbance and inform:</p> <ol style="list-style-type: none"> <li>the Project Iwi Partners;</li> <li>Heritage New Zealand Pouhere Taonga;</li> <li>the District Council; and</li> <li>in the event of kōiwi tangata being discovered, the New Zealand Police.</li> </ol> <p>b) Construction activities in the immediate vicinity of the discovery or disturbance must be suspended until:</p> <ol style="list-style-type: none"> <li>the measures set out in the Waka Kotahi NZ Transport Agency '<i>Minimum Standard P45 Accidental Archaeological Discovery Specification</i>' (August 2018) are put in place; and</li> <li>Project Iwi Partners have advised that the discovery or disturbance is not of an archaeological site, kōiwi tangata, wāhi tapu or wāhi taonga or work can otherwise recommence; and</li> <li>the District Council has advised that work can recommence because the discovery or disturbance is not of an archaeological site, kōiwi tangata, wāhi tapu or wāhi taonga; and</li> <li>the requiring authority advises the Project Iwi Partners and District Council in writing that an archaeology authority is not required by the Heritage New Zealand Pouhere Taonga Act 2104; or</li> <li>an archaeology authority under the Heritage New Zealand Pouhere Taonga Act 2014 has been obtained.</li> </ol> <p>c) Clauses (a) and (b) do not apply, and are superseded, where the works are subject to an archaeological authority granted under section 48 of the Heritage New Zealand Pouhere Taonga Act 2014.</p>
<b>Communications and Engagement</b>	
DCE1	<p><b>Community liaison person</b></p> <p>a) Prior to the commencement of construction activities, and for the duration of construction activities, a community liaison person or persons must be appointed by the requiring authority as the main and readily accessible point of contact for people affected by construction activities.</p> <p>b) A community liaison person or persons must be available by telephone during normal business hours and at any time outside of those hours when construction activities are occurring.</p> <p>c) The requiring authority must take appropriate steps to make the community liaison person or persons' telephone and email contact details accessible to all members of the community affected by construction activities.</p>
DCE2	<p><b>Community Liaison Group</b></p> <p>a) At least thirty (30) working days prior to the completion of the Construction Environment Management Plan the requiring authority must establish a Community Liaison Group.</p> <p>b) The purpose of the Community Liaison Group is to enable the requiring authority to share information and provide opportunity for the Community Liaison Group to comment on:</p>

**Commented [RC2]:** The language used appears only to relate to matters arising from the designations - it would be appropriate to explicitly include reference to matters arising from the regional consents as well.

Condition Number	Condition
	<ul style="list-style-type: none"> <li>i. the detailed design of the Project, including measures to mitigate the adverse effects of the Project;</li> <li>ii. the Construction Environmental Management Plan required by Condition DCM1; and</li> <li>iii. concerns in relation to the adverse effects of construction activities.</li> </ul> <p>c) The Community Liaison Group must hold meetings at least once every three (3) months for the duration of construction activities and up to twelve (12) months following completion of construction.</p> <p>d) The Community Liaison Group must include the following:</p> <ul style="list-style-type: none"> <li>i. the community liaison person set out in Condition DCE1;</li> <li>ii. A representative from the requiring authority; and</li> <li>iii. a representative from the construction contractor.</li> </ul> <p>e) The Project Iwi Partners and up to two (2) representatives from the following entities must be invited in writing to participate in the Community Liaison Group:</p> <ul style="list-style-type: none"> <li>i. the District Councils;</li> <li>ii. the Regional Councils;</li> <li>iii. [to be confirmed following further consultation and the receipt of submissions, the list is anticipated to include community groups and business associations; education providers; transport groups]</li> </ul> <p>f) The requiring authority must maintain a record of issues raised by the Community Liaison Group and the requiring authority's response to those issues (including reasons in circumstances where no action is taken).</p> <p>g) The Community Liaison Group may decide to meet less frequently or may be discontinued earlier at the agreement of the majority of the members from the entities listed in clause (e).</p>
DCE3	<p><b>Complaints management</b></p> <p>a) A register must be maintained of any <b>Complaint</b> received alleging adverse effects from construction activities.</p> <p>b) The register must include:</p> <ul style="list-style-type: none"> <li>i. the name and contact details (if supplied) of the complainant;</li> <li>ii. the nature and details of the complaint;</li> <li>iii. the location, date and time of the complaint and the alleged effect giving rise to the complaint;</li> <li>iv. the weather conditions and wind direction at the time of the alleged effect, where relevant to the complaint.</li> <li>v. other activities in the area, unrelated to the Project, that may have contributed to the complaint;</li> <li>vi. the outcome of the requiring authority's investigation into the complaint; and</li> <li>vii. a description of any measures taken to respond to the complaint.</li> </ul> <p>c) The District Council must be notified of any complaint received alleging adverse effects from construction activities no more than five (5) working days after receiving the complaint.</p> <p>d) The requiring authority must, within ten (10) working days of the complaint being received, advise the District Council and the complainant of the outcome of the requiring authority's investigation and all measures taken, or proposed to be taken, to respond to the complaint.</p>

**Commented [RC3]:** This condition (or similar) should be replicated in relation to the regional consents.

Condition Number	Condition
DCE4	<p><b>Communications Plan</b></p> <p>a) A Communications Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 2 to these conditions.</p>
<b>Landscape and Visual</b>	
DLV1	<p><b>Landscape planting</b></p> <p>a) The landscape planting shown on the <b>Planting Concept Plans: Indicative Typology and the Planting Concept Plans: RMA Purpose Type</b> included in the '<i>Notices of Requirement for a Designation</i>' dated 1 November 2022 '<i>Volume III Drawings and Plans</i>' must be undertaken:</p> <ul style="list-style-type: none"> <li>i. where practicable, prior to commencement of construction activities; or</li> <li>ii. as soon as construction works are completed in the relevant area and seasonal conditions are appropriate; and</li> <li>iii. within eighteen (18) months of the Project being open for public use.</li> </ul> <p>b) Landscape planting must be implemented, maintained, monitored and replaced to achieve a 90% survival rate and 80% canopy coverage of the ground, at five (5) years following the date that initial planting commenced; and</p> <p>c) The landscape planting must consist of plant material sourced from the rohe in which it is to be planted or be otherwise sourced from the ecological district of the site.</p>
DLV2	<p><b>Visual effects</b></p> <p>a) The requiring authority must undertake a revised assessment of visual effects of the Ō2NL Project to confirm occupied dwellings where the residual visual effects are assessed to be moderate or greater, where the assessment assumes the landscape planting required by Condition DLV1 has been implemented.</p> <p>b) The assessment of visual effects required by clause (a) must be:</p> <ul style="list-style-type: none"> <li>i. undertaken by a suitably qualified and experienced person or persons;</li> <li>ii. completed in a manner consistent with the methodology in Schedule 6 to these conditions; and</li> <li>iii. provided as part of the outline plan required by Condition DGA6.</li> </ul> <p>c) Where the assessment of visual effects required by clause (a) concludes that the adverse visual effects on a dwelling are moderate or greater the requiring authority must consult with the owners of the dwelling and offer to develop and implement a plan for mitigation of visual effects of the Project on the affected property to further screen views of the Project.</p> <p>d) The consultation required by clause (c) must be undertaken within twelve (12) months of the commencement of construction activities or as soon as practicable after the implementation of the landscape planting required by Condition DLV1.</p> <p>e) The requiring authority has complied with Condition DLV2 if:</p> <ul style="list-style-type: none"> <li>i. the owner of the dwelling agrees to the offered mitigation;</li> <li>ii. the owner of the dwelling does not agree to the offered mitigation; or</li> <li>iii. an alternate agreement for the mitigation of visual effects is reached between the requiring authority and the dwelling owner.</li> </ul>

**Commented [RC4]:** The Planting Concept Plan set should be amended to move "Natural Character" planting to a separate category, i.e.:

- Ecological Mitigation and Offsetting Sites
- Natural Character Planting
- Landscape & Visual Planting

Condition Number	Condition																																											
<b>Construction Noise and Vibration</b>																																												
DNV1	<p><b>Construction noise limits</b></p> <p>a) Except as set out in Condition DNV3, construction activities must be undertaken so that construction noise does not exceed the limits in Table DNV-1 at occupied PPFs.</p> <p>b) Construction noise must be measured and assessed in accordance with NZS 6803:1999 'Acoustics – Construction Noise'.</p> <p><b>Table DNV-1: Construction Noise Limits</b></p> <table border="1"> <thead> <tr> <th>Time of week</th> <th>Time period</th> <th>L<sub>Aeq(t)</sub></th> <th>L<sub>Afmax</sub></th> </tr> </thead> <tbody> <tr> <td rowspan="4">Weekdays</td> <td>0630-0730</td> <td>55 dB</td> <td>75 dB</td> </tr> <tr> <td>0730-1800</td> <td>70 dB</td> <td>85 dB</td> </tr> <tr> <td>1800-2000</td> <td>65 dB</td> <td>80 dB</td> </tr> <tr> <td>2000-0630</td> <td>45 dB</td> <td>75 dB</td> </tr> <tr> <td rowspan="4">Saturdays</td> <td>0630-0730</td> <td>45 dB</td> <td>75 dB</td> </tr> <tr> <td>0730-1800</td> <td>70 dB</td> <td>85 dB</td> </tr> <tr> <td>1800-2000</td> <td>45 dB</td> <td>75 dB</td> </tr> <tr> <td>2000-0630</td> <td>45 dB</td> <td>75 dB</td> </tr> <tr> <td rowspan="4">Sundays and public holidays</td> <td>0630-0730</td> <td>45 dB</td> <td>75 dB</td> </tr> <tr> <td>0730-1800</td> <td>55 dB</td> <td>85 dB</td> </tr> <tr> <td>1800-2000</td> <td>45 dB</td> <td>75 dB</td> </tr> <tr> <td>2000-0630</td> <td>45 dB</td> <td>75 dB</td> </tr> </tbody> </table>	Time of week	Time period	L <sub>Aeq(t)</sub>	L <sub>Afmax</sub>	Weekdays	0630-0730	55 dB	75 dB	0730-1800	70 dB	85 dB	1800-2000	65 dB	80 dB	2000-0630	45 dB	75 dB	Saturdays	0630-0730	45 dB	75 dB	0730-1800	70 dB	85 dB	1800-2000	45 dB	75 dB	2000-0630	45 dB	75 dB	Sundays and public holidays	0630-0730	45 dB	75 dB	0730-1800	55 dB	85 dB	1800-2000	45 dB	75 dB	2000-0630	45 dB	75 dB
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DNV2	<p><b>Construction vibration limits</b></p> <p>a) Except as set out in Condition DNV3, construction activities must be undertaken, as far as practicable, so that construction vibration does not exceed the Category A limits in Table DNV-2.</p> <p>b) If measured or predicted vibration from construction activities exceeds the Category A limits, construction vibration from those activities must be assessed and managed as set out in the Construction Noise and Vibration Management Plan required by Condition DNV4.</p> <p>c) If measured or predicted vibration from construction activities exceeds the Category B limits, those activities must only proceed if vibration effects on affected buildings are assessed, monitored and mitigated as set out in the Construction Noise and Vibration Management Plan required by Condition DNV4.</p> <p>d) Construction vibration must be measured in accordance with ISO 4866:2010 <i>Mechanical vibration and shock – Vibration of fixed structures – Guidelines for the measurement of vibrations and evaluation of their effects on structures</i>.</p> <p><b>Table DNV-2: Vibration limits</b></p> <table border="1"> <thead> <tr> <th>Receiver</th> <th>Location</th> <th>Time period</th> <th>Category A (PPV)</th> <th>Category B (PPV)</th> </tr> </thead> <tbody> <tr> <td>Occupied PPFs</td> <td></td> <td>0630-2000</td> <td>1 mm/s</td> <td>5 mm/s</td> </tr> </tbody> </table>	Receiver	Location	Time period	Category A (PPV)	Category B (PPV)	Occupied PPFs		0630-2000	1 mm/s	5 mm/s																																	
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DNV3	<p><b>Construction noise and vibration mitigation</b></p> <p>a) Where construction noise or construction vibration is predicted or measured to exceed the limits in Condition DNV1 and DNV2 at any PPF, for each PPF the requiring authority must identify and adopt the Best Practicable Option for the management of construction noise effects in accordance with clause (b).</p> <p>b) The Best Practicable Option required by clause (a) must be identified by a suitably qualified and experienced person or persons having regard to:</p> <ol style="list-style-type: none"> <li>the predicted unmitigated noise level for construction activities at the PPF;</li> <li>noise level to be targeted by any proposed mitigation; and</li> <li>consultation with the occupiers of the PPF to understand the use of the site and sensitivities, including times, activities and locations.</li> </ol>																	
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<b>Shared Path</b>																		
DSP1	<p><b>Shared path</b></p> <p>a) Within twelve (12) months of the Project being open for public use, a shared path must be in place along the length of the Project.</p>																	



Condition Number	Condition																								
<b>Operational Road-Traffic Noise</b>																									
DRN1	<p><b>Low-noise road surfaces</b></p> <p>b) Except where Condition DRN3 applies, the low-noise road surfaces in Table DRN-1 must be installed within eighteen (18) months from the date the Project opened for public use.</p> <p><b>Table DRN-1 – Low-Noise Road Surfaces</b></p> <table border="1"> <thead> <tr> <th>Location</th> <th>Chainage</th> <th>Length</th> <th>Surface Type</th> </tr> </thead> <tbody> <tr> <td>Muhunoa East to the SH57 Roundabout</td> <td>CH22200-CH13400</td> <td>8.8km</td> <td>50mm thick EPA7 or equivalent</td> </tr> <tr> <td>South Manakau to the Waikawa Stream bridge</td> <td>CH13700-CH26500</td> <td>5.2km</td> <td>50mm thick EPA7 or equivalent</td> </tr> <tr> <td>North Ōtaki from the tie-in with PP2Ō</td> <td>CH39000-CH34900</td> <td>4.1km</td> <td>50mm thick EPA7 or equivalent</td> </tr> <tr> <td>In all other locations</td> <td>-</td> <td>-</td> <td>Asphaltic mix</td> </tr> </tbody> </table>	Location	Chainage	Length	Surface Type	Muhunoa East to the SH57 Roundabout	CH22200-CH13400	8.8km	50mm thick EPA7 or equivalent	South Manakau to the Waikawa Stream bridge	CH13700-CH26500	5.2km	50mm thick EPA7 or equivalent	North Ōtaki from the tie-in with PP2Ō	CH39000-CH34900	4.1km	50mm thick EPA7 or equivalent	In all other locations	-	-	Asphaltic mix				
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DRN2	<p><b>Noise barriers</b></p> <p>a) Except where Condition DRN-3 applies, the noise barriers in Table DRN-2 must be installed prior to the Project being opened for public use.</p> <p><b>Table DRN-2 – Noise Barriers</b></p> <table border="1"> <thead> <tr> <th>Location</th> <th>Chainage</th> <th>Length</th> <th>Barrier type</th> </tr> </thead> <tbody> <tr> <td>Levin Rail bridge, southbound</td> <td>CH10700-CH11500</td> <td>810m</td> <td>1.1m high concrete safety barrier</td> </tr> <tr> <td>Waihou Road</td> <td>CH13900-CH15000</td> <td>1.2km</td> <td>1.1m high concrete safety barrier</td> </tr> <tr> <td>Waiauti Stream and South Manakau Road bridge, northbound</td> <td>CH29700-CH30400</td> <td>530m</td> <td>1.1m high concrete safety barrier</td> </tr> <tr> <td>Waiauti Stream and South Manakau Road bridge, southbound</td> <td>CH29700-30700</td> <td>1.1km</td> <td>1.1m high concrete safety barrier</td> </tr> <tr> <td>North Ōtaki overbridge, northbound</td> <td>CH33600-CH34200</td> <td>600m</td> <td>1.1m high concrete safety barrier</td> </tr> </tbody> </table>	Location	Chainage	Length	Barrier type	Levin Rail bridge, southbound	CH10700-CH11500	810m	1.1m high concrete safety barrier	Waihou Road	CH13900-CH15000	1.2km	1.1m high concrete safety barrier	Waiauti Stream and South Manakau Road bridge, northbound	CH29700-CH30400	530m	1.1m high concrete safety barrier	Waiauti Stream and South Manakau Road bridge, southbound	CH29700-30700	1.1km	1.1m high concrete safety barrier	North Ōtaki overbridge, northbound	CH33600-CH34200	600m	1.1m high concrete safety barrier
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DRN3	<p><b>Design of low-noise road surfaces and noise barriers</b></p> <p>a) The design of the low-noise road surfaces and noise barriers required by Conditions DRN1 and DRN2 must be completed by a suitably qualified and experienced person or persons.</p> <p>b) The design required by clause (a) may alter the location, length or type of low-noise road surface or noise barrier required by Conditions DRN1 and DRN2 where the design change:</p> <ol style="list-style-type: none"> <li>results in the same or more stringent Category of noise criteria at any PPF; or</li> <li>results in a less stringent Category of noise criteria at any PPF and a suitably qualified and experience person or persons confirms that the design change is the 'Best</li> </ol>																								

Condition Number	Condition
	<p>Practicable Option' in accordance with NZS 6806:2010 'Acoustics – Road traffic noise – New and altered roads'.</p> <ul style="list-style-type: none"> <li>c) A design report that sets out noise mitigation measures must include, but not be limited to:               <ul style="list-style-type: none"> <li>i. predicted sound levels at each PPF in 2039;</li> <li>ii. design drawings for noise barriers; and</li> <li>iii. specifications for road surfaces.</li> </ul> </li> <li>d) The design report required by clause (c) must be provided as part of the outline plan required by Condition DGA6.</li> </ul>
DRN4	<p><b>Post-construction review of low-noise road surfaces and noise barriers</b></p> <ul style="list-style-type: none"> <li>a) Within three (3) months of installing the noise barriers required by Condition DRN3, the requiring authority must undertake a review of the noise barriers to confirm that they have been installed as set out in the design report required by Condition RRN3(c).</li> <li>b) Within eighteen (18) months from the laying of the low noise road surface required by Condition DRN3, the requiring authority must undertake a post-construction review of low-noise road surfaces to confirm that they have been installed as set out in the design report required by Condition DRN3(c).</li> <li>c) The reviews required by clause (a) and clause (b) must be undertaken by a suitably qualified and experienced person or persons.</li> <li>d) The review required by clause (b) must confirm that the predicted sound levels at each PPF in 2039 set out in the design report prepared under Condition DRN3 will be achieved.</li> <li>b) The post-construction review shall comprise:               <ul style="list-style-type: none"> <li>i. Site inspection of noise barriers,</li> <li>ii. Site inspection of any road environmental treatments for noise mitigation,</li> <li>iii. Site inspection of road surfaces,</li> </ul> </li> <li>c) The review of the noise barriers, road surface features (bridge joints), and road environment treatments shall be completed within 3 months of the road opening</li> <li>d) The review of road surface shall be completed within 3 months of the selected surface for noise mitigation being installed.</li> <li>e) All reviews are to be provided to the District Council within 10 days</li> <li>e) The outcome of the reviews required by clause (a) and clause (b) must be provided to the District Council within ten (10) working days of the review being completed.</li> </ul>
DRN5	<p><b>Audio tactile profiled road markings</b></p> <ul style="list-style-type: none"> <li>a) Audio tactile profiled road markings must not be used within 200 metres of any PPF.</li> </ul>
DRN6	<p><b>Building modifications</b></p> <ul style="list-style-type: none"> <li>a) Prior to commencement of construction, a suitably qualified and experienced person or persons must identify those PPFs that are predicted to be in Category B and Category C with the low-noise road surfaces and noise barriers required by Conditions DRN1 and DRN2.</li> <li>b) The requiring authority must write to the owner of the PPFs identified under clause (a) and request access to their property for the purpose of investigating building modifications to reduce internal noise in habitable spaces to achieve 40 dB <math>L_{Aeq}(24h)</math>.</li> <li>b) Where access is granted under clause (b), a suitably qualified and experienced person or persons must inspect the PPF and perform sound insulation testing in order to identify building modifications to reduce internal noise.</li> </ul>

Condition Number	Condition
	<p>c) Following completion of an investigation required by clause (c), the requiring authority must write to the property owner and:</p> <ul style="list-style-type: none"> <li>i. offer options for building modifications to achieve internal noise levels below 40 dB <math>L_{Aeq(24h)}</math>; or</li> <li>ii. advise that no building modifications are necessary to achieve internal noise levels below 40 dB <math>L_{Aeq(24h)}</math>.</li> </ul> <p>d) Where options for building modification are offered under clause (c), the property owner may select a preferred option and the requiring authority must complete the work as soon as reasonably practicable.</p> <p>e) The requiring authority has complied with Condition DRN6 if:</p> <ul style="list-style-type: none"> <li>i. the access requested under clause (b) is not granted within twelve (12) months of the request;</li> <li>ii. the property owner does not select an option for mitigation within three (3) months of the offer; or</li> <li>iii. an alternate agreement for noise mitigation is reached between the requiring authority and the property owner.</li> </ul>
<b>Post-Construction and On-Going Operation</b>	
DPC1	<p><b>Monitoring and management</b></p> <p>a) Any monitoring and management measures in the Construction Environmental Management Plan required by Condition DCM1 must remain in place for the duration set out in the Construction Environmental Management Plan.</p>

## Regional resource consent conditions

### Resource consent conditions index

**Commented [RC5]:** To be updated to accommodate recommended changes.

Condition Number	Condition
<b>General and Administration</b>	
RGA1	General accordance
RGA2	Compliance with management plans and site plans
RGA3	Annual report
RGA4	Monitoring data
RGA5	Review of conditions
RGA6	Preparation of documents

Condition Number	Condition
<b>Construction Management</b>	
RCM1	Preconstruction site meetings
RCM2	Construction complaints management
RCM3	Incident management and reporting
RCM4	Construction management standards
RCM5	Construction Environmental Management Plan
RCM6	Amending the Construction Environmental Management Plan
<b>Archaeology</b>	
RAH1	Archaeology discovery protocol
<b>Terrestrial Ecology</b>	
RTE1	Wetland and forest removal
RTE2	'At Risk' or 'Threatened' braided river bird species
RTE3	'At Risk' or 'Threatened' wetland bird species
RTE4	New Zealand pipit
RTE5	Lizards
RTE6	Indigenous invertebrates
RTE7	Indigenous buffer planting
<b>Freshwater Ecology</b>	
RFE1	Fish removal or recovery
RFE2	Fish passage
RFE3	Information about culverts and fish passage
RFE4	Freshwater ecology monitoring

Condition Number	Condition
<b>Ecology Management, Offset and Compensation</b>	
REM1	Ecology Management Plan
REM2	Ecology Management Plan certification
REM3	Amending the Ecology Management Plan
REM4	Biosecurity
REM5	'At Risk' or 'Threatened' flora and fauna discovery protocol
REM6	Measures to offset residual adverse effects on terrestrial and wetland ecology
REM7	Offset planting
REM8	Replacement tree planting
REM9	Wetland restoration offset
REM10	Lizard relocation area
REM11	Measures to offset residual effects on freshwater ecology
REM12	Offsetting performance-targets
REM13	Sites for offset and compensation measures
REM14	Ecology Offset Site Layout Plans
REM15	Amending an Ecology Offset Site Layout Plan
REM16	Offsetting oversight and implementation
REM17	Review of measures to offset residual effects on terrestrial ecology and wetlands
REM18	Review of measures to offset residual effects on freshwater ecology
REM19	Offsetting monitoring
<b>Air Quality</b>	
RAQ1	Construction air quality standards

Condition Number	Condition
RAQ2	Weather station
RAQ3	Construction Air Quality Management Plan
RAQ4	Construction Air Quality Management Plan certification
RAQ5	Amending the Construction Air Quality Management Plan
<b>Earthworks and Land Disturbance</b>	
REW1	Imported material
REW2	Earthworks and land disturbance stabilisation
REW3	Winter earthworks and land disturbance
REW4	Contaminated soil discovery and investigation
<b>Groundwater</b>	
RGW1	Dewatering
RGW2	Groundwater standards
RGW3	Groundwater monitoring
<b>Surface Water</b>	
RWT1	Surface water abstraction
<b>Erosion and Sediment Control</b>	
RES1	Erosion and sediment control standards
RES2	Erosion and Sediment Control Plan
RES3	Erosion and Sediment Control Plan certification
RES4	Amending the Erosion and Sediment Control Plan
RES5	Site Specific Erosion and Sediment Control Plans
RES6	Site Specific Erosion and Sediment Control Plans certification

Condition Number	Condition
RES7	Amending a certified Site Specific Erosion and Sediment Control Plan
RES8	As-built plans
RES9	Erosion and sediment control monitoring
RES10	Removal of erosion and sediment control measures
<b>Operational Stormwater</b>	
RSW1	Operational stormwater standards
RSW2	Stormwater management device as-built plans
<b>Bridges and Structures over Water Bodies (Waiauti Stream, Waikawa Stream, Kuku Streams and the Ohau River)</b>	
RBS1	Bridge construction and operation standards
RBS2	Public access
RBS3	Bridge as-built plans
<b>Works in the Bed of Water Bodies</b>	
RWB1	Permanent culvert design standards
RWB2	Works in the bed of water bodies standards
RWB3	Natural character planting
<b>Schedules</b>	
Schedule 1	Referenced Drawings
Schedule 2	Objectives and Content of the Construction Environmental Management Plan
Schedule 7	Objectives and Content of the Ecology Management Plan
Schedule 8	Objectives and Content of the Erosion and Sediment Control Plan

## Resource consent conditions

Condition Number	Condition
<b>General and Administration</b>	
RGA1	<p><b>General accordance</b></p> <p>a) Except as modified by the conditions below, <del>and subject to detailed design</del>, the Project must be undertaken in general accordance with the following information provided in support of the applications for these resource consents dated <del>1 November 2022</del>:</p> <ol style="list-style-type: none"> <li>i. 'Volume II Notices of Requirement for a Designation and Application for Resource Consents: Supporting Information and Assessment of Effects on the Environment' Part C Project Description;</li> <li>ii. 'Volume III Drawings and Plans' as follows:               <ol style="list-style-type: none"> <li>A. Geometrics: General Arrangement Plans;</li> <li>B. Geometrics: Plan and Long Sections;</li> <li>C. Geometrics: Typical Sections;</li> <li>D. Geometrics: Cross Sections;</li> <li>E. Geotechnical;</li> <li>F. Stormwater: Drainage Layout Plans;</li> <li>G. Stormwater: Catchment Plans;</li> <li>H. Structures; and</li> <li>I. Accommodation Works.</li> </ol> </li> </ol> <p>b) Where there is inconsistency between the documents listed in clauses (a) and the requirements of these conditions, these conditions prevail.</p>
RGA2	<p><b>Compliance with management plans and site plans</b></p> <p>a) The Project must be undertaken in accordance with the most recent version of the Construction Environmental Management Plan required by Condition RCM5, including:</p> <ol style="list-style-type: none"> <li>i. a certified Ecology Management Plan required by Condition REM1, including when amended in accordance with Condition REM3;</li> <li>ii. a certified Construction Air Quality Management Plan required by Condition RAQ3, including when amended in accordance with Condition RAQ5; and</li> <li>iii. a certified Erosion and Sediment Control Plan required by Condition RES2, including when amended in accordance with Condition RES4.</li> </ol> <p>b) The Project must be undertaken in accordance with all certified Site-Specific Erosion and Sediment Control Plans required by Condition RES5, including when amended through the process in Condition RES7.</p> <p>c) The Project must be undertaken in accordance with all Ecology Offset Site Layout Plans required by Condition REM14, including when amended through the process in Condition REM15.</p>
RGA3	<p><b>Annual report</b></p> <p>a) <del>For each year for the duration of construction activities and in the year following the Project being open for public use, an annual report for twelve (12) months ending 30 April must be provided to the Regional Council by 31 July of that year.</del></p> <p>b) The purpose of the annual report is to provide an overview of the construction activities authorised by these resource consents, including activities required by the conditions of these resource consents, that have been undertaken during the preceding year.</p>

**Commented [RC6]:** The information provided in response to s 92 responses and the withdrawal of the water abstraction application should be included.

**Commented [RC7]:** Ongoing monitoring requirements require consideration.



Condition Number	Condition
	<p>c) The annual report must include, but not be limited to:</p> <ul style="list-style-type: none"> <li>i. a summary of the monitoring for the preceding year that is required by management plans and the conditions of these resource consents;</li> <li>ii. an assessment and analysis of the monitoring data, including:               <ul style="list-style-type: none"> <li>A. in relation to any trends by comparison with previous years; and</li> <li>B. identification of circumstances where monitoring has informed refinement to construction methods, effects mitigation measures, or the design of the Project.</li> </ul> </li> <li>iii. a summary of any non-compliances over the previous year, including the reasons for the non-compliance and the measures put in place to prevent the same incident happening again.</li> <li>iiii. recommendations on any alterations to the monitoring to be implemented in the subsequent year, including the measures necessary to implement the recommended alteration; and</li> <li>iv. an overview of the construction activities anticipated in the subsequent year, including any activities to reduce adverse effects on the environment.</li> </ul> <p>d) A copy of each annual report must be provided to the Project Iwi Partners at the same time as the annual report is provided to the Regional Council.</p>
RGA4	<p><b>Monitoring data</b></p> <p>a) In addition to the specific requirements to provide monitoring data or reporting in the conditions of these resource consents, all monitoring data collected through the monitoring required by management plans and the conditions of these resource consents must be provided to the Regional Council and Project Iwi Partners on request.</p>
RGA5	<p><b>Review of conditions</b></p> <p>a) A Regional Council may, under section 128 of the RMA, initiate a review of any or all conditions of these resource consents during the months of August and September of any year.</p> <p>b) A review of conditions under clause (a) may allow for the consideration of the following:</p> <ul style="list-style-type: none"> <li>i. the alteration of monitoring activities, including the frequency of monitoring;</li> <li>ii. the deletion, amendment or addition of new conditions as necessary to avoid, remedy, mitigate, offset or compensate for an more than minor unanticipated adverse effect on the environment that may arise from the exercise of these resource consents.</li> </ul>
RGA6	<p><b>Suitably qualified person</b></p> <p>a) The following documents or measures that are required to be prepared or undertaken by the conditions of these resource consents must be prepared or undertaken by a suitably qualified person or persons:</p> <ul style="list-style-type: none"> <li>i. an incident report required by Condition RCM3;</li> <li>ii. the pre-construction surveys required by Conditions RTE2, RTE3, RTE5 and RTE6;</li> <li>iii. a Ecology Management Plan required by Condition REM1;</li> <li>iv. a Ecology Offset Site Layout Plans required by Condition REM14;</li> <li>v. the oversight and implementation of offsetting required by Condition REM16;</li> <li>vi. the review of measures to offset residual adverse effects on terrestrial and wetland ecology required by Condition REM17;</li> <li>vii. the review of measures to offset residual effects on freshwater ecology required by Condition REM18;</li> <li>viii. the monitoring report required by Condition REM19;</li> </ul>

**Commented [RC8]:** It would be appropriate to express the purpose for this trend analysis - i.e., state that the comparison is to assess the environmental effects of the project over time.

**Commented [RC9]:** A time limit is required.

Condition Number	Condition
	<ul style="list-style-type: none"> <li>ix. a Construction Air Quality Management Plan required by Condition RAQ3; and</li> <li>x. a Erosion and Sediment Control Plan required by Condition RES2;</li> <li>xi. a Site-Specific Erosion and Sediment Control Plans required by Condition RES5.</li> </ul>
<b>Construction Management</b>	
RCM1	<p><b>Pre-construction site meetings</b></p> <ul style="list-style-type: none"> <li>a) Pre-construction site meetings must be arranged and held for each site identified in a Site-Specific Erosion and Sediment Control Plan required by Conditions RES5.</li> <li>b) The purpose of the pre-construction site meetings is to share information on areas of cultural value, work methods, Construction Environmental Management Plan requirements and compliance with the conditions of these resource consents.</li> <li>c) The following parties must be invited to the pre-construction site meetings with a minimum of ten (10) working days notice:               <ul style="list-style-type: none"> <li>i. the Regional Council;</li> <li>ii. a Project representative;</li> <li>iii. a representative from the construction contractor; and</li> <li>iv. the Project Iwi Partners.</li> </ul> </li> <li>d) The following information must be made available to the invited parties listed in clause (c) at least five (5) working days before a pre-construction site meeting:               <ul style="list-style-type: none"> <li>i. time frames for key stages of work;</li> <li>ii. any archaeological authority granted for the Project under section 48 of the Heritage New Zealand Pouhere Taonga Act 2014;</li> <li>iii. relevant plans identifying sites or areas of value to the Project Iwi Partners; and</li> <li>iv. relevant Site-Specific Erosion and Sediment Control Plans.</li> </ul> </li> <li>e) Condition RCM1 is complied with where the requirements of clause (c) are met and any of the invited parties, except the Project representative, do not attend a pre-construction site meeting.</li> </ul>
RCM2	<p><b>Complaints management</b></p> <ul style="list-style-type: none"> <li>a) A register must be maintained of any complaint received alleging adverse effects from construction activities.</li> <li>b) The register must include:               <ul style="list-style-type: none"> <li>i. the name and contact details (if supplied) of the complainant;</li> <li>ii. the nature and details of the complaint;</li> <li>iii. the location, date and time of the complaint and the alleged effect giving rise to the complaint;</li> <li>iv. the weather conditions and wind direction at the time of the alleged effect, where relevant to the complaint;</li> <li>v. other activities in the area, unrelated to the Project, that may have contributed to the complaint;</li> <li>vi. the outcome of the consent holder's investigation into the complaint; and</li> <li>vii. a description of any measures taken to respond to the complaint.</li> </ul> </li> <li>c) The Regional Council must be notified of any complaint received alleging adverse effects from construction activities no more than five (5) working days after receiving the complaint.</li> </ul>

Condition Number	Condition
	<p>d) The consent holder must, within ten (10) working days of the complaint being received, advise the Regional Council and the complainant of the outcome of the consent holder's investigation and all measures taken, or proposed to be taken, to respond to the complaint.</p>
RCM3	<p><b>Incident management and reporting</b></p> <p>a) In the event of an incident occurring that causes <b>or is likely to cause</b> a non-compliance with the conditions of these resource consents:</p> <ul style="list-style-type: none"> <li>i. the Regional Council and Project Iwi Partners must be notified in writing within twenty-four (24) hours of the consent holder becoming aware of the incident;</li> <li>ii. an incident report must be provided to the Regional Council within ten (10) working days of the incident occurring and must include, but not be limited to: <ul style="list-style-type: none"> <li>A. a description of the nature, timing and cause of the incident;</li> <li>B. an assessment of any adverse effects of the incident on the environment; and</li> <li>C. a description of remedial and/or mitigation measures to address the incident and to prevent the incident recurring in the future.</li> </ul> </li> </ul> <p>b) Any remedial or mitigation measures described in the incident report required by clause (a)(ii) must be implemented within ten (10) working days of the incident report being provided to the Regional Council or as soon as reasonably practicable following the incident.</p> <p>c) Where an incident is reported to the Regional Council, the Regional Council may request that a management plan be changed in accordance with the process set out in the conditions of these resource consents to reduce the potential for the same incident to occur again.</p>
RCM4	<p><b>Construction management standards</b></p> <p>a) All earthmoving machinery, pumps, generators and ancillary equipment must be operated to ensure that spillages of fuel, oil and similar contaminants are prevented.</p> <p>b) Refuelling, lubrication or fluid changing activities for plant and equipment must be carried out either:</p> <ul style="list-style-type: none"> <li>i. at least twenty (20) metres from a stream or natural wetland identified on the Stormwater: Drainage Layout Plans or Ecology Plans included in the 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans': or</li> <li>ii. within a containment bund that has a capacity of one hundred (100%) percent of the liquid storage <b>storage</b> capacity of equipment and storage facilities at the site where the refuelling or lubrication activities occur.</li> </ul> <p>c) Clause (b) does not apply where refuelling or lubrication activities are necessary as part of bridge construction and in such circumstances:</p> <ul style="list-style-type: none"> <li>i. spill kits must be at the site at all times; and</li> <li>ii. refuelling must be undertaken by two people so that the emergency stop button can be activated at any time.</li> </ul>
RCM5	<p><b>Construction Environmental Management Plan</b></p> <p>a) A Construction Environmental Management Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 2 to these conditions.</p> <p>b) The Construction Environmental Management Plan, except for those parts that are separately required to be certified by these conditions of resource consent, must be provided to the Regional Council for information prior to the commencement of construction activities authorised by these resource consents.</p>

Condition Number	Condition
RCM6	<p><b>Amending the Construction Environmental Management Plan</b></p> <p>a) Except where clause (b) applies, if the Construction Environmental Management Plan required by Condition RCM5 is updated, the revised Construction Environmental Management Plan must be provided to the Regional Council within five (5) working days of the update being made.</p> <p>b) Clause (a) does not apply to the following plans:</p> <ol style="list-style-type: none"> <li>Ecology Management Plan that may be amended in accordance with Conditions REM2 or REM3;</li> <li>Construction Air Quality Management Plan that may be amended in accordance with Conditions RAQ4 or RAQ5;</li> <li>Erosion and Sediment Control Plan that may be amended in accordance with Conditions RES3 or RES4.</li> </ol>
<b>Archaeology</b>	
RAH1	<p><b>Archaeology discovery protocol</b></p> <p>a) In the event that construction activities result in the discovery or disturbance of an archaeological site, kōiwi tangata, wāhi tapu or wāhi taonga, the consent holder must immediately cease further work in the immediate vicinity of the discovery or disturbance and inform:</p> <ol style="list-style-type: none"> <li>the Project Iwi Partners;</li> <li>Heritage New Zealand Pouhere Taonga;</li> <li>the Regional Council; and</li> <li>in the event of kōiwi tangata being discovered, the New Zealand Police.</li> </ol> <p>b) Further work in the immediate vicinity of the discovery or disturbance must be suspended until:</p> <ol style="list-style-type: none"> <li>the measures set out in the Waka Kotahi NZ Transport Agency <i>'Minimum Standard P45 Accidental Archaeological Discovery Specification'</i> (August 2018) are put in place;</li> <li>Project Iwi Partners have advised that the discovery or disturbance is not of an archaeological site, kōiwi tangata, wāhi tapu or wāhi taonga or work can otherwise recommence;</li> <li>the Regional Council has advised that work can recommence because the discovery or disturbance is not of an archaeological site, kōiwi tangata, wāhi tapu or wāhi taonga; and</li> <li>the consent holder advises the Project Iwi Partners and Regional Council in writing that an archaeology authority is not required by the Heritage New Zealand Pouhere Taonga Act 2104; or</li> <li>an archaeology authority under the Heritage New Zealand Pouhere Taonga Act 2014 has been obtained.</li> </ol> <p>c) Clauses (a) and (b) do not apply, and are superseded, where the works are subject to an archaeological authority granted under section 48 of the Heritage New Zealand Pouhere Taonga Act 2014.</p>
<b>Terrestrial Ecology and Natural Character Planting</b>	
RTE1	<p><b>Wetland and forest removal</b></p> <p>a) <u>Except as provided for with respect to the removal of exotic woody pest plant species from Arapaepae Bush,</u> the area of wetland and forest removed as part of work authorised by these resource consents is limited to the maximum areas of habitat types in Table RTE-1.</p> <p style="text-align: center;"><b>Table RTE-1: Wetland and Forest Removal</b></p>

Condition Number	Condition																																				
	<table border="1"> <thead> <tr> <th>Wetland and forest</th> <th>Habitat type reference*</th> <th>Area (ha)</th> </tr> </thead> <tbody> <tr> <td><u>Forests and treelands to be avoided</u></td> <td><u>ITF1</u> <u>ITF2</u> <u>ITF5</u> <u>ITT07</u> <u>ETF7, ETF8, ITF7, MTF3, MTF6, MTF7 and MTF8</u></td> <td><u>0.00</u></td> </tr> <tr> <td>Mahoe-dominant forest and scrub</td> <td>ITF4, <u>ITS1, ITS1d, MTS4, MTF6d</u></td> <td>2.85</td> </tr> <tr> <td>Indigenous dominant fernland (wetland)</td> <td>ITFn01, IWFn1, MWFn1</td> <td>0.07</td> </tr> <tr> <td>Exotic-dominant wetland</td> <td><u>EDW Applicant to list units</u></td> <td><u>2.30 Applicant to revise sum</u></td> </tr> <tr> <td><u>Exotic-dominant wetland (portions of Paruaaku Swamp)</u></td> <td><u>Applicant to list units</u></td> <td><u>Applicant to sum</u></td> </tr> <tr> <td>Raupō wetland</td> <td>IWRe1</td> <td>0.12</td> </tr> <tr> <td><i>Isolepis prolifer</i> dominated wetlands</td> <td>IWSe1, IWSe2,</td> <td>0.11</td> </tr> <tr> <td>Kiokio-spike sedge-kāpūngāwhā sedgeland</td> <td>IWSe5</td> <td>0.04</td> </tr> <tr> <td>Mixed exotic-indigenous wetlands</td> <td>MWSe2, MWSe3, MWSe4, MWG1, MWG1d, MWG2, MWG3, MWH1, MWV1, MWRS1, MWSe1 - SPG, MWSe1 - SPGd</td> <td>0.83</td> </tr> <tr> <td>Rautahi sedgeland wetlands</td> <td>IWSe3</td> <td>0.07</td> </tr> <tr> <td>Open water</td> <td>OW</td> <td>0.34</td> </tr> </tbody> </table> <p>* The habitat types are identified and mapped on the Ecology Plans included in the 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans';</p> <p>b) Prior to the removal of wetland habitat in Table RTE-1 the area of wetland to be removed must be delineated physically or through digital mapping from the wetland that is to be retained.</p> <p>c) <u>Prior to the removal of habitat type ITF4 in Table RTE-1 the vegetation All of the vegetation types listed in Table RTE-1</u> must be delineated physically or through digital mapping to indicate the portion to be retained.</p>	Wetland and forest	Habitat type reference*	Area (ha)	<u>Forests and treelands to be avoided</u>	<u>ITF1</u> <u>ITF2</u> <u>ITF5</u> <u>ITT07</u> <u>ETF7, ETF8, ITF7, MTF3, MTF6, MTF7 and MTF8</u>	<u>0.00</u>	Mahoe-dominant forest and scrub	ITF4, <u>ITS1, ITS1d, MTS4, MTF6d</u>	2.85	Indigenous dominant fernland (wetland)	ITFn01, IWFn1, MWFn1	0.07	Exotic-dominant wetland	<u>EDW Applicant to list units</u>	<u>2.30 Applicant to revise sum</u>	<u>Exotic-dominant wetland (portions of Paruaaku Swamp)</u>	<u>Applicant to list units</u>	<u>Applicant to sum</u>	Raupō wetland	IWRe1	0.12	<i>Isolepis prolifer</i> dominated wetlands	IWSe1, IWSe2,	0.11	Kiokio-spike sedge-kāpūngāwhā sedgeland	IWSe5	0.04	Mixed exotic-indigenous wetlands	MWSe2, MWSe3, MWSe4, MWG1, MWG1d, MWG2, MWG3, MWH1, MWV1, MWRS1, MWSe1 - SPG, MWSe1 - SPGd	0.83	Rautahi sedgeland wetlands	IWSe3	0.07	Open water	OW	0.34
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<b>RTE2</b>	<p><b>'At Risk or 'Threatened' braided river bird species</b></p> <p>a) Prior to construction activities authorised by these resource consents occurring during the months of July to March inclusive in braided river beds, a pre-construction survey of this habitat must be undertaken to identify any nesting 'At Risk' or 'Threatened' braided river bird species as defined by the Department of Conservation New Zealand Threat Classification System.</p> <p>b) Where an active nesting site is identified by the pre-construction survey required by clause (a), a fifty (50) metre radius exclusion zone, measured from the nest, must be established within which no person or machinery may enter until the chicks have fledged or the nest has failed or otherwise been naturally abandoned.</p> <p>c) Where no active nesting site is identified by the pre-construction survey required by clause (a):</p> <ol style="list-style-type: none"> <li>nest deterrents must be placed within the construction area where that area intersects with the habitat of 'At Risk' or 'Threatened' braided river bird species; and</li> </ol>																																				

**Commented [RC10]:** A new RTE condition is required after RTE1 conditioning the wetland transfers with a contingency for planting. It may need to be an RWB condition as well/alternatively.

**Commented [RC11]:** A condition is required to create new gravel habitat very near to the point of impact through direct gravel transfer and/or weed control, as proposed in the s 92 response.

Condition Number	Condition
	<ul style="list-style-type: none"> <li>ii. works authorised by these resource consents must commence within three (3) days of the survey required by clause (a) being undertaken.</li> <li>d) Where the nest deterrents required by clause (c) are in place, a monthly survey must be undertaken to identify any nesting 'At Risk' or 'Threatened' braided river bird species.</li> <li>e) Where an active nesting site is identified by a monthly survey required by clause (d), works may continue subject to a suitably qualified person or persons confirming that the works will not cause the nest to fail.</li> <li>f) Where the nest deterrents required by clause (c) are not in place and where construction activities cease for a period of more than seven (7) consecutive days during the months of July to March inclusive, the survey required by clause (a), and the subsequent action required by clauses (b) and (c) must be repeated.</li> <li>g) The results of the survey required by clause (a) must be provided to the Regional Council prior to the construction activities occurring in the habitats listed in clause (a).</li> </ul>
RTE3	<p><b>'At Risk or 'Threatened' wetland bird species</b></p> <ul style="list-style-type: none"> <li>a) Prior to works authorised by these resource consents occurring during the months of September to January inclusive in habitat identified as 'IWRe1', 'ITFn01', 'IWFn1', 'MWFn1', 'IWSe1', 'IWSe2', 'IWSe3', 'MWRs1' and 'IWSe5' on the Ecology Plans included in the 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans', a pre-construction survey of these habitats must be undertaken to identify any nesting 'At Risk' or 'Threatened' wetland bird species as defined by the Department of Conservation New Zealand Threat Classification System.</li> <li>b) Where an active nesting site is identified, or the presence of a breeding pair is confirmed, by the pre-construction survey required by clause (a), a fifty (50) metre radius exclusion zone, measured from the nest or area of the wetland where breeding birds were recorded, must be established within which no person or machinery may enter until the chicks have fledged or the nest has failed or otherwise been naturally abandoned.</li> <li>c) Where no active nesting site or breeding birds are identified by the pre-construction survey required by clause (a) works authorised by these resource consents must commence within three (3) days of the survey required by clause (a) being undertaken.</li> <li>d) Where works authorised by these resource consents have commenced and a nest is established, or likely to have established based on the presence of a breeding pair, works may continue subject to a suitably qualified person or persons confirming that the works will not cause the nest to fail.</li> <li>e) Where construction activities cease for a period of more than seven (7) consecutive days during the months of September to January inclusive, the survey required by clause (a), and the subsequent action required by clauses (b) and (c) must be repeated.</li> <li>f) The results of the survey required by clause (a) must be provided to the Regional Council prior to the construction activities occurring in the habitats listed in clause (a).</li> </ul>
RTE4	<p><b>New Zealand pipit</b></p> <ul style="list-style-type: none"> <li>a) Prior to the commencement of the New Zealand pipit breeding season rank grassland, identified as 'ETG1' on the Ecology Plans included in the 'Notices of Requirement for a Designation and Application for Resource Consent' dated 1 November 2022 'Volume III Drawings and Plans', that is not being actively grazed must be mowed and then maintained to continuously achieve a length of between 150mm and 200mm long between the months of August to March inclusive.</li> <li>b) <u>In the event of the grass exceeding 200mm between the months of August to March (inclusive) a New Zealand pipit nesting survey must be undertaken by a suitably qualified person or persons up</u></li> </ul>

**Commented [RC12]:** A method for measurement of grass height should be agreed - e.g., average of X spot heights over an area.

Condition Number	Condition																												
	<p><u>to a maximum of three (3) days prior to the commencement of works (including mowing) authorised by these resource consents.</u></p> <p>c) <u>Where an active nesting site is identified, a fifty (50) metre exclusion zone (measured from the nest) must be established within which no person or machinery may enter, until the chicks have fledged or the nest has failed.</u></p>																												
RTE5	<p><b>Lizards</b></p> <p>a) Prior to the clearance of vegetation in the habitats listed in Table RTE-5, a pre-construction lizard survey and salvage must be undertaken to identify, capture and relocate lizards.</p> <p style="text-align: center;"><b>Table RTE-5: Lizard Habitat</b></p> <table border="1"> <thead> <tr> <th>Habitat</th> <th>Habitat type reference*</th> </tr> </thead> <tbody> <tr> <td>Māhoe forest and scrub</td> <td>ITF4</td> </tr> <tr> <td>Tarata-rewarewa forest</td> <td>ITF6</td> </tr> <tr> <td>Māhoe-karamū scrub</td> <td>ITS1</td> </tr> <tr> <td>Māhoe-barberry-<i>Muehlenbeckia australis</i> forest and scrub</td> <td>MTF1</td> </tr> <tr> <td>Mixed indigenous-exotic planted forest</td> <td>MTF5</td> </tr> <tr> <td>Barberry scrub with emergent tōtara</td> <td>MTS2</td> </tr> <tr> <td>Barberry-blackberry-<i>Muehlenbeckia australis</i>-greater bindweed-(māhoe) scrub</td> <td>MTS3</td> </tr> <tr> <td>Crack willow forest/scrub</td> <td>ETF1</td> </tr> <tr> <td>Exotic treeland and forest</td> <td>ETF4</td> </tr> <tr> <td>House, gardens and farm buildings</td> <td>EHG</td> </tr> <tr> <td>Rank grassland</td> <td>ETG1</td> </tr> <tr> <td>Road, rail, rivers</td> <td>RRR</td> </tr> <tr> <td>Quarry</td> <td>QRY</td> </tr> </tbody> </table> <p>* The habitat types are identified and mapped on the Ecology Plans included in the 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans'.</p> <p>b) Where lizards are captured as part of the surveys and salvage work required by clause (a), the lizards must be released to the lizard relocation area created in accordance with Condition REM10.</p>	Habitat	Habitat type reference*	Māhoe forest and scrub	ITF4	Tarata-rewarewa forest	ITF6	Māhoe-karamū scrub	ITS1	Māhoe-barberry- <i>Muehlenbeckia australis</i> forest and scrub	MTF1	Mixed indigenous-exotic planted forest	MTF5	Barberry scrub with emergent tōtara	MTS2	Barberry-blackberry- <i>Muehlenbeckia australis</i> -greater bindweed-(māhoe) scrub	MTS3	Crack willow forest/scrub	ETF1	Exotic treeland and forest	ETF4	House, gardens and farm buildings	EHG	Rank grassland	ETG1	Road, rail, rivers	RRR	Quarry	QRY
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RTE6	<p><b>Indigenous invertebrates</b></p> <p>a) Prior to the clearance of vegetation in the habitats listed in Table RTE-6, a preconstruction survey must be undertaken to identify, capture and relocate 'At Risk' or 'Threatened' indigenous invertebrate species as defined by the Department of Conservation New Zealand Threat Classification System.</p> <p style="text-align: center;"><b>Table RTE-6: Indigenous Invertebrate Habitat</b></p> <table border="1"> <thead> <tr> <th>Habitat</th> <th>Habitat type reference*</th> </tr> </thead> <tbody> <tr> <td>Māhoe forest and scrub</td> <td>ITF4</td> </tr> <tr> <td>Tarata-rewarewa forest</td> <td>ITF6</td> </tr> <tr> <td>Crack willow forest/scrub (riparian)</td> <td>ETF1</td> </tr> </tbody> </table>	Habitat	Habitat type reference*	Māhoe forest and scrub	ITF4	Tarata-rewarewa forest	ITF6	Crack willow forest/scrub (riparian)	ETF1																				
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**Commented [RC13]:** A timeframe should be set to define the maximum amount of time prior to clearance (i.e., the survey must occur within X days of the clearance).

Condition Number	Condition												
	<p>* The habitat types are identified and mapped on the Ecology Plans included in the 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans';</p> <p>b) Where the following invertebrate species are identified during the survey required by clause (a), they must also be captured and relocated:</p> <ol style="list-style-type: none"> <li>Wainuia (<i>Wainuia urnula</i>);</li> <li>Peripatus (<i>Peripatoides novaezealandiae</i>);</li> <li>Auckland tree weta (<i>Hemideina thoracica</i>)</li> <li>Wellington tree weta (<i>Hemideina crassidens</i>)</li> <li>Cave weta (<i>Pleiopectron hudsoni</i>)</li> <li>Stick insects (<i>Clitarchus</i> spp.).</li> </ol> <p>c) Where invertebrate species are captured as part of the surveys required by clauses (a) and (b), 'At Risk' and 'Threatened' species should be relocated to the lizard relocation area, while all other invertebrate species must be relocated to the closest similar and suitable habitat.</p>												
RTE7	<p><b>Indigenous buffer planting</b></p> <p>a) <del>Subject to landowner agreement where the planting is on private property, if</del> Indigenous buffer planting must be provided where the Project is adjacent to the habitats listed in Table RTE-7:</p> <p style="text-align: center;"><b>Table RTE-7: Indigenous Buffer Planting</b></p> <table border="1"> <thead> <tr> <th>Adjacent Habitat</th> <th>Habitat type reference*</th> </tr> </thead> <tbody> <tr> <td>Tawa forest (one remnant)</td> <td>ITF1</td> </tr> <tr> <td>Tawa-kohekohe forest (two remnants)</td> <td>ITF2</td> </tr> <tr> <td>Puka-kōhūhū forest/planted indigenous forest (one remnant)</td> <td>ITF5</td> </tr> <tr> <td>Tawa-īitoki treeland (one remnant)</td> <td>ITT07</td> </tr> <tr> <td>Arapaepae Bush <a href="#">and Property #479</a></td> <td><a href="#">ETF7, ETF8</a>, ITF7, MTF3, MTF6, MTF7 and MTF8</td> </tr> </tbody> </table> <p>* The habitat types are identified and mapped on the Ecology Plans included in the 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans';</p> <p>b) The indigenous buffer planting required by clause (a) must:</p> <ol style="list-style-type: none"> <li>be between the Project and the adjacent habitat;</li> <li>be undertaken prior to the commencement of construction activities <del>where it is practicable to do so</del>;</li> <li>be a minimum width of ten (10) metres, except in locations where ten (10) metres width is not available within the Project Area because of existing tracks, <del>or existing roads or the area of the construction footprint, it shall then be between the existing roads or track and the adjacent habitat and/or the roads and the construction footprint</del>;</li> <li>consist of species that reach a height similar to the adjacent indigenous vegetation; and</li> <li>consist of <u>native</u> plant material sourced from the rohe in which it is to be planted or be otherwise sourced from the ecological district of the site.</li> </ol> <p>c) <del>Where the buffer occurs on private property, works shall not commence until landowner agreement is secured as per condition REM13.</del></p>	Adjacent Habitat	Habitat type reference*	Tawa forest (one remnant)	ITF1	Tawa-kohekohe forest (two remnants)	ITF2	Puka-kōhūhū forest/planted indigenous forest (one remnant)	ITF5	Tawa-īitoki treeland (one remnant)	ITT07	Arapaepae Bush <a href="#">and Property #479</a>	<a href="#">ETF7, ETF8</a> , ITF7, MTF3, MTF6, MTF7 and MTF8
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RTE8	<b>Natural character planting</b>												



Condition Number	Condition
	<p>a) <u>The natural character planting shown on the <i>Planting Concept Plans: Indicative Typology and the Planting Concept Plans: RMA Purpose Type</i> included in the <i>Notices of Requirement for a Designation</i> dated 1 November 2022 <i>Volume III Drawings and Plans</i> must be undertaken:</u></p> <ul style="list-style-type: none"> <li>i. <u>prior to commencement of construction activities; or</u></li> <li>ii. <u>as soon as construction works are completed in the relevant area and seasonal conditions are appropriate; and</u></li> <li>iii. <u>within eighteen (18) months of the Project being open for public use.</u></li> </ul> <p>b) <u>The natural character planting must be implemented, monitored, maintained (including replacement of plants) to achieve a 90% survival rate and 80% canopy coverage of the ground at five (5) years following the date that initial planting commenced; and</u></p> <p>c) <u>The natural character planting must consist of plant material sourced from the rohe in which it is to be planted or be otherwise sourced from the ecological district of the site</u></p> <p>d) <u>The natural character planting is included in Ecology Management Plan together with the ecological mitigation and off-setting planting, and must be managed and monitored in accordance with the Ecology Management Plan.</u></p> <p>e) <u>Subject to landowner agreement where the planting is on private property, natural character planting on the <i>Planting Concept Plans: Indicative Typology and the Planting Concept Plans: RMA Purpose Type</i> included in the <i>Notices of Requirement for a Designation and Application for Resource Consents</i> dated 1 November 2022 <i>Volume III Drawings and Plans</i>:</u></p> <ul style="list-style-type: none"> <li>i. <u>must be undertaken:</u> <ul style="list-style-type: none"> <li>A. <u>prior to commencement of construction activities; or</u></li> <li>B. <u>as soon as construction works are completed in the area and seasonal conditions are appropriate; and</u></li> <li>C. <u>within eighteen (18) months of the Project being open for public use.</u></li> </ul> </li> <li>ii. <u>Natural character planting must be implemented, monitored, maintained (including replacement of plants) to achieve a 90% survival rate and 80% canopy coverage of the ground at five (5) years following the date that initial planting commenced; and;</u> and</li> <li>iii. <u>consist of plant material sourced from the rohe in which it is to be planted or be otherwise sourced from the ecological district of the site.</u></li> </ul> <p>f) <u>Where landowner approval is not obtained for a natural character planting areas identified in the natural character planting plans, then works authorised by these resource consents must not commence until the Regional Council has been provided with written confirmation that the consent holder has entered into legal agreements or holds other authorisations necessary to allow entry onto land, for alternative location certified by the Regional Council to carry out, continue and maintain natural character plantings.</u></p>
RTE9	<p><b>Cultural and Environmental Design Framework</b></p> <p>a) <u>The Project must be consistent with the Landscape Design Principles in Chapter 3 and the Landscape Design Response including the natural character restoration in chapter 4 of the <i>Cultural and Environmental Design Framework</i>, Consent Version, dated October 2022.</u></p> <p>b) <u>Design Review Audits, set out in Chapter 4 of the <i>Cultural Environmental Design Framework</i>, to confirm that the Project is consistent with the Design Principles must be undertaken:</u></p> <ul style="list-style-type: none"> <li>i. <u>prior to the commencement of construction; and</u></li> <li>ii. <u>every three (3) months until the Project is open for public use.</u></li> </ul> <p>c) <u>A Design Review Audits required by clause (b) may describe design elements of the Project with reference to, but not limited to, Chapter 4 of <i>the Cultural and Environmental Design Framework</i>, Consent Version, dated October 2022.</u></p>

**Commented [RC14]:** The Planting Concept Plan set should be amended to move "Natural Character" planting to a separate category, i.e.:

- Ecological Mitigation and Offsetting Sites
- Natural Character Planting
- Landscape & Visual Planting

Condition Number	Condition
	<p><u>d) A Design Review Audit must be provided to the Regional Council as required by clause (b) i and ii.</u></p>
<p><b>Freshwater Ecology</b></p>	
<p>RFE1</p>	<p><b>Fish removal or recovery</b></p> <p>a) Where practicable, construction activities should be avoided in a reach of a stream or wetland <u>during the at times when migratory fish species could be expected are present to be passing through the affected reach;</u></p> <p>b) Where avoidance under clause (a) is not possible fish, Kōura and Kākahi must be deterred, removed or recovered from any streams or wetland up to a maximum of three (3) days prior to the commencement of construction activities authorised by these resource consents that may impact the reach of stream or wetlands by:</p> <ol style="list-style-type: none"> <li>i. capture and relocation in accordance with clause (d); <u>or and</u></li> <li>ii. the use of techniques to encourage fish, Kōura or Kākahi species to move out of the impacted reach.</li> </ol> <p>c) The fish, Kōura and Kākahi removal, recovery and relocation must be undertaken in consultation with Project Iwi Partners and include an invitation for representatives of the Project Iwi Partners to be present during fish, Kōura and Kakahi recovery activities.</p> <p>d) <u>Where fish, Kōura and Kākahi are captured and relocated, fish recovery Fish, kakahi, and koura recovery must, depending on habitat type, be undertaken by using a combination of:</u></p> <ol style="list-style-type: none"> <li>i. electro-fishing;</li> <li>ii. trapping;</li> <li>iii. spotlighting; <u>or</u></li> <li>iv. dewatering and muck out; and</li> <li>v. relocating to a suitable habitat;</li> </ol> <p>e) <u>Where the fish recovery required by clause (b) captures Taonga species, 'Threatened' species or 'At Risk – Declining' species, fish recovery must continue until each species has not been captured for at least one hour of fish recovery effort. Where fish recovery is required by clause (b) rescue efforts should continue until: a) decline capture rate of 20% between the first or second recovery event (whichever is higher) and the last recovery event must be attained. No Taonga species, 'Threatened' species or 'At Risk – Declining' species are captured. If fish numbers are low and remain so (thus the 20% threshold is unlikely to be achieved) the exact determination of final effort is at the discretion of a SQP.</u></p> <p>f) Where the first recovery event encounters more than ten (10) individuals of a species, other than Taonga species, 'Threatened' species or 'At Risk – Declining' species, over the length of stream subject to fish recovery, a declining capture rate of 50% between the first and last recovery event applies to the fish recovery required by clause (b).</p> <p>g) Where pest fish species and exotic fish are captured they must be humanely euthanised, with the exception of sports fish, which will be relocated to suitable habitat.</p> <p>h) Prior to the decommissioning of any temporary diversion channels, fish, Kōura and Kākahi must be captured and relocated in accordance with clause (b).</p> <p><u>i) The species and number of individuals recovered during the above operations must be reported through to the Regional Councils on a quarterly basis, with the information submitted through to the New Zealand Freshwater Fish Database.</u></p>
<p>RFE2</p>	<p><b>Fish passage</b></p>

Condition Number	Condition
	<p>(a) Fish passage must be provided for temporary diversions and culverts that are in place for a period of more than <del>seven</del> <u>two (72)</u> days where the works relate to the streams identified in the 'Catchment Culvert, Swale and Pond/Wetland Schedule' in 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans'.</p> <p>b) In addition to the requirements for culverts in Condition RWB1, fish passage must be provided through the new permanent culverts listed as requiring fish passage in the 'Catchment Culvert, Swale and Pond/Wetland Schedule' in 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans' when the culvert is lived. <u>The design and implementation of the culvert design is to align with the stream simulation method within the New Zealand Fish Passage Guidelines: For structures up to 4 metres, 2018.</u></p> <p><u>c) Prior to commencing works on a culvert, the consent holder must ensure that the culvert design is peer reviewed in terms of the capacity of the culvert to enable fish passage through the stream stimulation method. This peer review must be undertaken by a suitably qualified person who is experienced in native fish migration requirements.</u></p> <p>ed) Once a permanent culvert is lived, fish passage upstream and downstream through the culverts listed in the 'Catchment Culvert, Swale and Pond/Wetland Schedule' in 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans' must be maintained and monitored to ensure that the provision for fish passage does not reduce over its lifetime.</p>
RFE3	<p><b>Information about culverts and fish passage</b></p> <p>a) Within twenty (20) working days of the installation of a culvert, and each time each time a significant natural hazard affects the structure, the information required by Regulations 62, 63 and 68 of the Resource Management (National Environmental Standards for Freshwater) Regulations 2020 must be collected and provided to the Regional Council.</p> <p><u>b) Within twenty (20) working days of the installation of a culvert the consent holder must provide to the Regional Council an 'as built' of each culvert. The 'as built' must demonstrate that the culvert has been built as designed and will enable the passage of fish species as per the stream simulation method.</u></p>
RFE4	<p><b>Freshwater ecology monitoring</b></p> <p>a) Freshwater ecology monitoring must be carried out at existing water quality monitoring sites, where the sites are suitable for deposited sediment and macroinvertebrate monitoring;</p> <p>b) The monitoring required by clause (a) must include:</p> <ol style="list-style-type: none"> <li>i. baseline monitoring <u>which is to commence at least 24 months prior to any works associated with this project being undertaken in the catchment;</u></li> <li>ii. routine monitoring in each catchment when construction activities are being undertaken in that catchment;</li> <li>iii. <u>Trigger</u> event-based monitoring in each catchment when construction activities are being undertaken in that catchment. <u>For the purposes of this condition a 'trigger event' is an event that is defined in condition RES9;</u></li> <li><u>iv. Incident monitoring is to be undertaken outside trigger event and routine monitoring and is to be focused where these is likely to be or is a discharge that results in a non-compliance. Such monitoring shall be focused upstream and downstream of the discharge (following reasonable mixing) and monitor for the parameters monitored for the routine monitoring.</u></li> <li>iv. post-construction monitoring; and</li> <li>vi. include an upstream and downstream location for each identified site.</li> </ol>

Condition Number	Condition
	<p>c) <del>Baseline and</del> routine monitoring during construction must include:</p> <ul style="list-style-type: none"> <li>i. monthly monitoring of total suspended sediment, turbidity, pH, deposited sediment, algal composition and cover, water depths, water velocity, wetted channel width, water clarity and photos of stream bed; and</li> <li>ii. quarterly monitoring of macroinvertebrates and substrate size.</li> </ul> <p>d) Where the quarterly routine monitoring required by clause (c) identifies a greater than 15% decrease in mean Quantitative Macroinvertebrate Community Index (QMCI) or a decline in median percent (%) of Ephemeroptera, Plecoptera and Trichoptera (EPT) taxa richness of greater than 15% compared to <del>baseline upstream</del> data, the response action(s) set out in the Ecology Management Plan required by Condition REM1 and the Erosion and Sediment Control Plan required by Condition RES2 must be implemented so that the trigger levels are no longer exceeded.</p> <p>e) Freshwater monitoring must be undertaken on a quarterly basis for at least twelve (12) months following the completion of construction activities in a catchment, except where the Regional Council agree in writing to a shorter monitoring period.</p> <p>g) Where the post-construction monitoring required by clause (e) identifies a greater than 20% decrease in mean QMCI or decline in median percent (%) EPT taxa richness of greater than 20% compared to <del>baseline upstream</del> data, the Ecology Management Plan must be revised to provide for further monitoring, mitigation or offsetting and certified in accordance with REM3.</p> <p>g) A summary report of the monitoring undertaken must be included in the Annual Report required by Condition RGA3.</p> <p>h) Records of freshwater ecology monitoring must be made available to the Regional Council and Project Iwi Partners on request.</p>
<b>Ecology Management Offset and Compensation</b>	
REM1	<p><b>Ecology Management Plan</b></p> <ul style="list-style-type: none"> <li>a) An Ecology Management Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 7 to these conditions of resource consent and must be certified in writing as set out in Condition REM2.</li> <li>b) The Ecology Management Plan required by clause (a) must be prepared in consultation with the Project Iwi Partners and the Department of Conservation.</li> </ul>
REM2	<p><b>Ecology Management Plan certification</b></p> <ul style="list-style-type: none"> <li>a) The Ecology Management Plan required by Condition REM1 must be provided to the Regional Council for technical certification at least forty (40) working days prior to the commencement of construction activities.</li> <li>b) Certification, or withholding certification, is based on whether the Ecology Management Plan meets the requirements of the relevant conditions of these resource consents, including as set out in Schedule 7.</li> <li>c) If twenty (20) working days have passed since the Ecology Management Plan has been provided to the Regional Council and the Regional Council has not certified the Ecology Management Plan or provided advice that the Ecology Management is not suitable to certify, then <del>the Ecology Management Plan is deemed certified and</del> the consent holder may commence work in accordance with the Ecology Management Plan as provided.</li> <li>d) Notwithstanding clause (c), and subject to the requirements of other conditions of these resource consents, work may commence at any time following the certification of the Ecology Management Plan.</li> </ul>

Condition Number	Condition
REM3	<p><b>Amending the Ecology Management Plan</b></p> <p>a) The Ecology Management Plan may be amended or updated without the need for certification where:</p> <ul style="list-style-type: none"> <li>i. an amendment is necessary to achieve consistency with any authorisation given under section 53 of the Wildlife Act 1953; or</li> <li>ii. an amendment has a positive effect, no effect or a de minimis adverse effect on the environment; and</li> <li>iii. the revised Ecology Management Plan is provided to the Regional Council and within ten (10) working days of receiving the revised Ecology Management Plan, the Regional Council has not advised in writing that the amendment must be certified under clause (b) because the amendment does not meet the requirements of clauses (a)(i) or (a)(ii).</li> </ul> <p>b) Except as provided for in clause (a), amendments to the Ecology Management Plan must be certified in writing by the Regional Council prior to the commencement of any work to which the amended Ecology Management Plan relates.</p> <p>c) The amendment to the Ecology Management Plan must be prepared in consultation with the Project Iwi Partners and the Department of Conservation.</p> <p>d) Certification, or withholding certification, is based on whether the amendment to the Ecology Management Plan continues to meet the requirements of the relevant conditions of these resource consents, including as set out in Schedule 7.</p> <p>e) If twenty (20) working days have passed since amendment to the Ecology Management Plan has been provided to the Regional Council and the Regional Council has not certified the amended Ecology Management Plan or provided advise that the amendment is not suitable to certify, then <del>the Ecology Management Plan is deemed certified and</del> the consent holder may commence work in accordance with the amendment to the Ecology Management Plan as provided.</p>
REM4	<p><b>Biosecurity</b></p> <p>a) To avoid the spread of hornwort and <i>Didymosphenia geminata</i>, known as didymo:</p> <ul style="list-style-type: none"> <li>i. machinery or vehicles entering a waterbody must either:             <ul style="list-style-type: none"> <li>A. have a standdown of at least forty-eight (48) hours prior to being in contact with any waterbody in a different catchment; or</li> <li>B. be subject to check, clean and dry procedures.</li> </ul> </li> <li>ii. standard check, clean and dry procedures must be adopted for clothing or footwear that has been in contact with a waterbody in a different catchment within the previous forty-eight (48) hours.</li> </ul> <p>b) To avoid the spread of hornwort and <i>Gambusia affinis</i>, known as mosquito fish, all excavated material, including aquatic plant material, from waterbodies in the Koputaroa catchment must be retained in that catchment.</p> <p>c) To manage the risk of invasion by plague skinks, all potting mix and plant material must be inspected for individual skinks and eggs prior to entering a planting area.</p> <p><u>d) To avoid the spread of myrtle rust, all new plantings of Myrtaceae shall be sourced from nurseries certified as myrtle rust free.</u></p> <p><u>e) To manage the spread of other pest plants, appropriate protocols for avoiding the spread of the following pest plants shall be in place:</u></p> <ul style="list-style-type: none"> <li>i. <u><i>Equistem arvense</i>;</u></li> <li>ii. <u><i>Setaria pumila</i>;</u></li> <li>iii. <u><i>Cortaderia</i> species;</u></li> </ul>

Condition Number	Condition								
	<p> <u>iv. <i>Pinus radiata</i>;</u>  <u>v. <i>Ulex Eupaeus</i>;</u>  <u>vi. <i>Berberis glaucocarpa</i>;</u>  <u>vii. <i>Rubrus fruticosus</i> agg.;</u>  <u>viii. <i>Hypericum androsaemum</i>;</u>  <u>ix. Any other pest plant that features in the Regional Council's Regional Pest Management Plan;</u>  <u>x. Any other pest plant listed in the Official New Zealand Pest Register that is present in any region where earthwork and mowing machinery is arriving from.</u> </p>								
REM5	<p><b>'At Risk' or 'Threatened' flora and fauna discovery protocol</b></p> <p>a) If, when undertaking works authorised by these resource consents, any 'At Risk' or 'Threatened' flora or fauna as defined by the Department of Conservation New Zealand Threat Classification System and not specifically addressed by the conditions of these resource consents is discovered, <u>works in the area of the affected flora or fauna shall cease immediately and</u> the consent holder must determine a course of action that:</p> <ol style="list-style-type: none"> <li>is based on the advice of a suitably qualified and experienced person or persons;</li> <li>references the framework for the management of indigenous vegetation, habitats and fauna in the Ecology Management Plan; and</li> <li>takes into account the outcomes of any consultation with the Project Iwi Partners and the Department of Conservation.</li> </ol> <p>b) Within fifteen (15) working days of a discovery, the consent holder must advise the Regional Council in writing of the course of action determined in accordance with clause (a).</p>								
REM6	<p><b>Measures to offset residual adverse effects on terrestrial and wetland ecology</b></p> <p>a) Residual adverse effects of the works authorised by these resource consents on terrestrial and wetland ecology must be offset to result in a net indigenous biological diversity gain through the provision of:</p> <ol style="list-style-type: none"> <li>offset planting set out in Condition REM7;</li> <li>replacement tree planting set out in Condition REM8; and</li> <li>wetland offset restoration set out in Condition REM9.</li> </ol>								
REM7	<p><b>Offset planting</b></p> <p>a) Except where revised through the process set out in Condition REM17, the offset planting in Table REM-7 must be provided.</p> <p style="text-align: center;"><b>Table REM-7: Planting to Offset Indigenous Vegetation and Habitat Removal</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Indigenous Vegetation and Habitat Removal</th> <th style="text-align: center;">Planting to Offset Removal (ha)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Removal of māhoe-dominant forest and scrub (2.85 ha)</td> <td style="text-align: center;">4.1 ha of indigenous forest planted into pasture</td> </tr> <tr> <td style="text-align: center;">Removal of mixed indigenous-exotic forest and scrub (0.80 ha), planted indigenous forest (0.40 ha), exotic forest and treeland (0.68 ha), and riparian forest, scrub and vineland (0.40 ha)</td> <td style="text-align: center;">1.7 ha of indigenous forest planted into pasture</td> </tr> <tr> <td></td> <td style="text-align: center;">0.67 ha of indigenous forest planted into pasture</td> </tr> </tbody> </table>	Indigenous Vegetation and Habitat Removal	Planting to Offset Removal (ha)	Removal of māhoe-dominant forest and scrub (2.85 ha)	4.1 ha of indigenous forest planted into pasture	Removal of mixed indigenous-exotic forest and scrub (0.80 ha), planted indigenous forest (0.40 ha), exotic forest and treeland (0.68 ha), and riparian forest, scrub and vineland (0.40 ha)	1.7 ha of indigenous forest planted into pasture		0.67 ha of indigenous forest planted into pasture
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REM8	<p><b>Replacement tree planting</b></p> <p>a) Where any tree species listed in Table REM-8 with a diameter at breast height of more than ten (10) centimetres is removed from the indigenous treeland habitats identified as 'ITT01', 'ITT02', 'ITT03', 'ITT04', 'ITT005', and 'ITT06' on the Ecology Plans included in the 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans', replacement planting must be undertaken at the ratios relative to tree diameter in Table REM-3.</p> <p style="text-align: center;"><b>Table REM-8: Tree Replacement Ratios</b></p> <table border="1"> <thead> <tr> <th>Diameter at breast height</th> <th>Replacement Ratio</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;"><b>Titoki, hinau, white maire, totara, pukatea, rewarewa</b></td> </tr> <tr> <td>10-20 cm</td> <td>10 to 1</td> </tr> <tr> <td>21-35 cm</td> <td>20 to 1</td> </tr> <tr> <td>36-49 cm</td> <td>30 to 1</td> </tr> <tr> <td>50+ cm</td> <td>50 to 1</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Māhoe, tarata, kāpuka/broadleaf</b></td> </tr> <tr> <td>10-20 cm</td> <td>5 to 1</td> </tr> <tr> <td>21+</td> <td>10 to 1</td> </tr> </tbody> </table> <p>b) For the duration of five (5) years from the completion of the planting required by clause (a), any dead tree must be replanted in the next planting season so that 90% survival rate is achieved at five (5) years following the date when initial planting commenced.</p>	Diameter at breast height	Replacement Ratio	<b>Titoki, hinau, white maire, totara, pukatea, rewarewa</b>		10-20 cm	10 to 1	21-35 cm	20 to 1	36-49 cm	30 to 1	50+ cm	50 to 1	<b>Māhoe, tarata, kāpuka/broadleaf</b>		10-20 cm	5 to 1	21+	10 to 1
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REM9	<p><b>Wetland restoration offset</b></p> <p>a) Except where revised through the process set out in Condition REM17, the wetland restoration offset in Table REM-9 must be provided.</p> <p style="text-align: center;"><b>Table REM-9: Wetland Restoration Offset</b></p> <table border="1"> <thead> <tr> <th>Wetland Habitat Removal</th> <th>Restoration Offset (ha)</th> </tr> </thead> <tbody> <tr> <td>Combined wetland habitats (3.5 ha)</td> <td>4.65 ha of wetland restoration</td> </tr> <tr> <td>Open water (0.34 ha)</td> <td>0.48 ha of open water creation</td> </tr> </tbody> </table>	Wetland Habitat Removal	Restoration Offset (ha)	Combined wetland habitats (3.5 ha)	4.65 ha of wetland restoration	Open water (0.34 ha)	0.48 ha of open water creation												
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REM10	<p><b>Lizards Relocation Area</b></p> <p>a) Prior to the commencement of lizard surveys required by Condition RTE5, a predator-proof fence enclosing a minimum area of four (4) hectares of forest must be installed;</p> <p>b) Pest animal management within the predator-proof fence area must be undertaken immediately following the completion of the fence installation required by clause (a) to achieve the following performance targets:</p> <ol style="list-style-type: none"> <li>i. possums, rats, feral cats, feral pigs, hedgehogs and mustelids must be eradicated;</li> <li>ii. mice must be maintained at or below a 5% tracking tunnel index.</li> </ol>																		

**Commented [RC15]:** This may not be necessary, and a cross-reference to REM12 could avoid confusion more effectively.

**Commented [RC16]:** The use of a 'target' is not accepted - a standard should be used, or a trigger to initiate action.

Condition Number	Condition								
	<p>c) Pest animal management required by clause (b) and monitoring of the enclosed area for pest animal incursions must be undertaken until the completion of the period set out in Table REM10-1.</p> <p style="text-align: center;"><b>Table REM10-1: Lizard Relocation Area Management and Monitoring Period</b></p> <table border="1"> <thead> <tr> <th>Number of lizards captured and relocated</th> <th>Duration (from relocation of last lizard)</th> </tr> </thead> <tbody> <tr> <td>Less than twenty (20) lizards</td> <td>Two (2) years</td> </tr> <tr> <td>Between twenty (20) and fifty (50) lizards</td> <td>Three (3) years</td> </tr> <tr> <td>More than fifty (50) lizards</td> <td>Five (5) years</td> </tr> </tbody> </table> <p>d) Habitat within the enclosed area must be enhanced through the provision of natural and/or artificial refugia.</p> <p>e) The enclosed area must be managed in accordance with the Lizard Relocation Area Management Plan that forms part of the Ecology Management Plan required by Condition RTE8.</p>	Number of lizards captured and relocated	Duration (from relocation of last lizard)	Less than twenty (20) lizards	Two (2) years	Between twenty (20) and fifty (50) lizards	Three (3) years	More than fifty (50) lizards	Five (5) years
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REM11	<p><b>Measures to offset residual effects on freshwater ecology</b></p> <p>a) Except where revised through the process set out in Condition REM18, residual adverse effects on freshwater ecology must be offset to result in no net loss of ecological function through the provision of the following:</p> <ol style="list-style-type: none"> <li>i. 2,197m<sup>2</sup> of new stream channel constructed and planted to a maximum width of twenty (20) metres and no less than five (5) metres; and</li> <li>ii. riparian planting of 17,380m<sup>2</sup> of existing streambed area with a width of between <del>five (5) to</del> <del>three (3)</del> metres and twenty (20) metres on both banks.</li> </ol> <p>b) The offset measures required by clause (a) must achieve the following standards:</p> <ol style="list-style-type: none"> <li>i. fencing must exclude livestock;</li> <li>ii. stream creation and enhancement measures must be generally consistent with the design for stream diversions shown on the Stormwater: Typical Details Swales and Open Channels included in the 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans', and implemented within three (3) years of the completion of construction. <u>In addition the design needs to include parameters to enhance the complexity of the habitat within the created channel. Such measures may include but not be limited to instream debris, creation of pool, riffle, and run sequences;</u> and</li> <li>iii. all plant material must be sourced from the rohe in which it is to be planted or be otherwise eco-sourced except, where it is not practicable to do so, the Ecology Offset Site Layout Plan must set out a process of consultation with the Project Iwi Partners and the Regional Council to confirm an alternative source.</li> </ol> <p>c) Where the offsetting measures required by clause (a) are subject to a 'Flood Control Drainage' value in Schedule B of the One Plan, consultation must be undertaken with the Horizons <u>Area Engineer – Southern flood protection engineer.</u></p>								
REM12	<p><b>Offsetting performance targets</b></p> <p>a) <del>Performance targets for</del> the offsetting required by Condition REM7 and Condition REM11 are set out in Table REM-12.</p> <p><b>Table REM-12 Offsetting Performance Targets</b></p> <table border="1"> <thead> <tr> <th>Habitat type</th> <th>Restoration outcome</th> <th>Performance target</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;">Terrestrial offset and enhancement planting</td> </tr> </tbody> </table>	Habitat type	Restoration outcome	Performance target	Terrestrial offset and enhancement planting				
Habitat type	Restoration outcome	Performance target							
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**Commented [RC17]:** Compliance with this condition needs to be time bound.

**Commented [RC18]:** Riparian planting should additionally achieve a closed canopy over certain streams, 100m up and downstream from the road corridor (see Mr Brown's 87F report, Section H).

**Commented [RC20]:** The use of a 'target' is not accepted - a standard should be used, or a trigger to initiate action.

**Commented [RC19]:** Reference dates for time periods in column 3 should be included for clarity.



Condition Number	Condition		
	<ul style="list-style-type: none"> <li>- Exotic forest and treeland (indigenous)</li> <li>- Exotic riparian scrub, forest and vineland</li> <li>- Mixed indigenous-exotic forest and scrub</li> <li>- Planted indigenous forest</li> <li>- Māhoe dominant scrub and forest</li> </ul>	<ul style="list-style-type: none"> <li>- Combined revegetated area of 7.57 hectares that will form a closed canopy consisting of kanuka, a range of medium to large broadleaved shrub and tree species and taller canopy species such as tawa, kahikatea and totara.</li> <li>- Pest plants absent or suppressed to very low levels.</li> </ul>	<ul style="list-style-type: none"> <li>- Livestock removed and planting areas fenced (where required by the Ecology Management Plan).</li> <li>- Pest plants absent or suppressed after three (3) years from site preparation.</li> <li>- 90% canopy cover after eight (8) years from planting.</li> <li>- 90% survival of enrichment plants after five (5) years from planting.</li> </ul>
<b>Replacement tree planting</b>			
	<ul style="list-style-type: none"> <li>- Indigenous treeland</li> </ul>	<ul style="list-style-type: none"> <li>- Establishment of a diverse range of indigenous canopy and sub-canopy tree species within the nominated recipient forest and wetland sites.</li> </ul>	<ul style="list-style-type: none"> <li>- Livestock removed and planting areas fenced (where fencing is required by the Ecology Management Plan).</li> <li>- All woody pest plant species removed from Arapaepae Bush prior to planting.</li> <li>- 90% survival of replacement trees after five (5) years from planting.</li> </ul>
<b>Aquatic offset planting</b>			
	<ul style="list-style-type: none"> <li>- Riparian planting</li> </ul>	<ul style="list-style-type: none"> <li>- Riparian margins that are revegetated with appropriate indigenous species along a combined stream length of [add length] km.</li> <li>- Planted riparian margins that will provide shade, woody debris, and habitat for aquatic fauna species.</li> <li>- Planted riparian margins that will form wildlife corridors across the landscape.</li> </ul>	<ul style="list-style-type: none"> <li>- Livestock removed and planting areas fenced (where required by the Ecology Management Plan).</li> <li>- Pest plants absent or suppressed after three (3) years from site preparation.</li> <li>- 90% canopy cover after eight (8) years from planting.</li> <li>- 90% survival of enrichment plants after five (5) years from planting.</li> </ul>
<b>Wetlands</b>			
	<ul style="list-style-type: none"> <li>- Indigenous-dominated fernland</li> <li>- Rautahi sedgeland</li> </ul>	<ul style="list-style-type: none"> <li>- Successful transfer of wetland plant material to nominated recipient wetland sites.</li> </ul>	<ul style="list-style-type: none"> <li>- 80% canopy cover after three (3) years from transfer.</li> </ul>
	<ul style="list-style-type: none"> <li>- Raupō reedland</li> </ul>	<ul style="list-style-type: none"> <li>- Restoration of a minimum of 0.25 hectares of raupō reedland including via the successful transfer of raupō rhizomes to nominated recipient wetland site.</li> </ul>	<ul style="list-style-type: none"> <li>- Raupō reedland has successfully established across a minimum of 0.25 hectares after three (3) years from translocation.</li> <li>- Buffer of planted indigenous wetland species.</li> </ul>

Condition Number	Condition						
	<table border="1"> <tr> <td></td> <td></td> <td>- 80% canopy cover after eight (8) years from transfer.</td> </tr> <tr> <td>- Exotic-dominated wetlands - <i>Isolepis prolifer</i>-dominated wetlands - Mixed exotic-indigenous wetlands</td> <td>- Restoration of a minimum of 4.9 hectares of indigenous wetland vegetation.</td> <td>- Pest plants absent or suppressed after three (3) years from site preparation. - 90% canopy cover after eight (8) years from planting.</td> </tr> </table>			- 80% canopy cover after eight (8) years from transfer.	- Exotic-dominated wetlands - <i>Isolepis prolifer</i> -dominated wetlands - Mixed exotic-indigenous wetlands	- Restoration of a minimum of 4.9 hectares of indigenous wetland vegetation.	- Pest plants absent or suppressed after three (3) years from site preparation. - 90% canopy cover after eight (8) years from planting.
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REM13	<p><b>Sites for offset and compensation measures, <u>buffers and landscape linkages</u></b></p> <p>a) Vegetation clearance, water body diversions or water body loss authorised by these resource consents must not commence until the Regional Council has been provided with written confirmation that the consent holder has entered into legal agreements or holds other authorisations necessary to allow entry onto land to carry out, continue and maintain all offset and compensation measures, <u>buffer planting and landscape and natural character planting</u> required by Condition REM6, <u>Condition RTE7, Condition REM10, and Condition REM11, Condition RWB3 and Condition DLV1.</u></p> <p>b) The written confirmation provided under clause (a) must describe the specific legal arrangements that have been entered into, and may include land purchase, agreement by providing for covenanting or similar registered title instrument.</p>						
REM14	<p><b>Ecology Offset Site Layout Plans</b></p> <p>a) Ecology Offset Site Layout Plans must be prepared for:</p> <ol style="list-style-type: none"> <li>offset planting, replacement planting and wetland restoration required by Condition REM6; and</li> <li>stream creation and riparian planting required by Condition REM11.</li> </ol> <p>b) Ecology Offset Site Layout Plans must be prepared in consultation with the Project Iwi Partners and the landowners and include, but not be limited to:</p> <ol style="list-style-type: none"> <li>a description of the offset measures to be implemented with reference to Condition REM6 and Condition REM11;</li> <li>a site layout plan;</li> <li>a programme for undertaking or implementing the offsetting measures;</li> <li>a description of methods for the ongoing management of the offsetting measures; <u>and</u></li> <li>confirmation that any necessary resource consents for the implementation of the offset measures have been obtained.</li> </ol> <p>c) <u>Any Ecology Offset Site Layout Plan must be provided to the Regional Council for information prior to the commencement of the offsetting measures described in that Ecology Offset Site Layout Plan.</u></p>						
REM15	<p><b>Amending an Ecology Offset Site Layout Plan</b></p> <p>a) An Ecology Offset Site Layout Plan required by Condition REM14 may be amended in consultation with the Project Iwi Partners and the landowner/s.</p> <p>b) The amended Ecology Offset Site Layout Plan must be provided to the Regional Council within ten (10) working days of the amendment being made.</p>						

**Commented [RC21]:** This plan should be certified before offsetting works commence.

Condition Number	Condition
REM16	<p><b>Offsetting oversight and implementation</b></p> <p>a) Prior to commencement of works authorised by these resource consents person or persons must be appointed to oversee the implementation of the measures required by Condition REM6, Condition REM10 and Condition REM11;</p> <p>b) The name of the person appointed under clause (a) must be advised in writing to the Regional Council.</p> <p>c) Where the person appointed under clause (a) is replaced temporarily or permanently, the name of the replacement person must be advised in writing to the Regional Council.</p> <p>d) Within thirty (30) working days of completion of the implementation of measures required by Conditions REM6, REM7, REM8, REM9, REM10, and REM11, Condition REM10 and Condition REM11, a report must be provided to the Regional Council to confirm that the work to implement the measures have been completed.</p>
REM17	<p><b>Review of measures to offset residual adverse effects on terrestrial and wetland ecology</b></p> <p>a) Prior to the commencement of construction activities, the offset and compensation measures required by Condition REM6 must be recalculated using the Biodiversity Offset Accounting Model methodologies to reflect any revision to the area of terrestrial and wetland habitats removed as a result of the works authorised by these resource consents.</p> <p>b) Where the recalculation required by clause (a) results in offset requirements that differ to those required by Condition REM6, the Ecology Management Plan required by Condition REM1 must be revised to provide for the new offset requirements and certified in accordance with Condition REM2.</p>
REM18	<p><b>Review of measures to offset residual effects on freshwater ecology</b></p> <p>a) Following the completion of construction activities, the offset measures required by Condition REM11 must be recalculated using stream ecological valuations and environmental compensation ratio methodologies in respect of the Project construction impact on stream habitat and confirmed locations for the offsetting measures.</p> <p>b) Where the recalculation required by clause (a) results in offset requirements that differ to those required by Condition REM11, the Ecology Management Plan required by Condition REM1 must be revised to provide for the new offset requirements and certified in accordance with Condition REM2.</p>
REM19	<p><b>Offsetting monitoring</b></p> <p>a) Monitoring reports must be prepared and provided to the Regional Council in the third and fifth year following the completion of the measures required by Condition REM6 and Condition REM11 as part of the Annual Report required by Condition RGA3.</p> <p>b) The reports required by clause (a) must:</p> <ol style="list-style-type: none"> <li>i. summarise the progress towards achieving the performance targets in Condition REM12;</li> <li>ii. provide information on any incidents that have had a material impact on progress to achieving the performance targets in Condition REM12 and any measures that have been adopted to improve progress.</li> </ol> <p>c) Eight (8) years after the completion of the measures required by Condition REM6 and Condition REM11, a monitoring report must be prepared and provided to the Regional Council and include:</p> <ol style="list-style-type: none"> <li>i. a summary of progress towards achieving the performance targets in Condition REM12;</li> <li>ii. confirmation of whether net gain outcomes for terrestrial and wetland ecology have been achieved, or are expected to be achieved with reference to the Biodiversity Offset Accounting Model; and</li> </ol>

**Commented [RC22]:** To prevent premature cessation of maintenance, REM 19 needs to make more explicit reference to each of the measures that may realistically start to indicate net gain by year 8 and a further term of assessment at year 25 (for forests).

REM19(d) also needs more specificity on what is to be measured when and push the time frame out further to match the BOAM predictions.

**Commented [RC23]:** The use of a 'target' is not accepted - a standard should be used, or a trigger to initiate action.

Condition Number	Condition
	<ul style="list-style-type: none"> <li>iii. if necessary, set out any additional measures that must be implemented to achieve a net gain outcome.</li> <li>d) If the report required by clause (c) does not confirm that net gain outcomes for terrestrial and wetland ecology are achieved, or expected to be achieved, the Ecology Management Plan required by Condition REM1 must be revised to provide for the new offset requirements and certified in accordance with Condition REM2.</li> </ul>
<b>Air Quality</b>	
RAQ1	<p><b>Construction air quality standards</b></p> <ul style="list-style-type: none"> <li>a) Discharges to air from works authorised by these resource consents must not cause noxious, dangerous, offensive or objectionable effects at any point beyond the boundary of the Project Area.</li> <li>b) Stockpiled cleanfill material must be no more than five (5) metres in height above ground level, with the drop height of material on to the stockpile being no more than three (3) metres <u>above the height of the stock pile.</u></li> <li>c) <u>The consent holder must ensure that properties located within 200 m of the designation boundary with roof-collected drinking water systems must be upgraded to an appropriate standard to ensure that the drinking water supply meets the Water Services (Drinking Water Standards for New Zealand) Regulations 2022.</u></li> <li>ed) Where there has been no rain over a period of fourteen (14) days, the vegetation on the margins of the habitats listed in Table RTE-7 must be inspected by a suitably qualified person or persons for the presence of dust on foliage.</li> <li>de) If following an inspection required by clause (de) the suitably qualified person advises that washing the foliage is required, that <u>washing</u> must be undertaken within five (5) days.</li> </ul>
RAQ2	<p><b>Dust and Meteorological Monitoring</b></p> <ul style="list-style-type: none"> <li>a) <u>Visual inspections of properties within 50 m of the designation boundary shall be undertaken on a monthly basis or in the event of a dust related complaint. Where adverse effects from dust are observed, appropriate remediation actions will be undertaken (e.g. cleaning of gutters, windows etc).</u></li> <li>b) <u>The Consent holder must prepare a monitoring plan which covers at a minimum, the dust monitoring programme methods, including background monitoring, calibration and maintenance of dust monitors (as required); the location and maintenance and operation of the meteorological station.</u></li> <li>c) <u>The monitoring plan should be shared with community liaison group before the start of the project. Monitoring data shall be provided on an ongoing six monthly basis.</u></li> <li>d) <u>The monitoring plan should ensure that monitoring is undertaken whenever significant dust generating activities are located within 50 m of activities that have the potential to cause nuisance effects. The monitors shall be placed between construction activities and the nearest sensitive receptor locations. It may be appropriate to use one monitor to achieve this for locations where numerous sensitive receptors are close to construction activities providing that it represents worst-case dust concentrations.</u></li> <li>e) <u>The monitoring plan must be included as an appendix to the CAQMP.</u></li> </ul>
RAQ3	<b>Trigger Limits</b>

**Commented [RC24]:** The method of washing may need to be more clearly prescribed, or tied to the recommendations of the expert.

Condition Number	Condition
	<ul style="list-style-type: none"> <li>a) <u>The trigger concentration which indicates the potential for excessive construction-related dust at or beyond the Project Area is a real time PM<sub>10</sub> concentration of ≥150 micrograms per cubic metre, as a rolling 1-hour average, which is updated every ten minutes.</u></li> <li>b) <u>If at any time, including outside normal operating hours, visible dust is blowing beyond the Project Area boundary, or if the dust or wind monitoring triggers are breached the Consent Holder must:</u> <ul style="list-style-type: none"> <li>i. <u>Cease all activities except dust suppression measures;</u></li> <li>ii. <u>Continue all dust suppression activities including but not limited to the immediate watering of both active and inactive exposed surfaces;</u></li> <li>iii. <u>Investigate possible sources of the dust;</u></li> <li>iv. <u>Only resume activities (other than dust suppression) once there is no longer visible dust blowing beyond the site boundaries and when the relevant monitoring trigger is no longer being breached or it has been established that the breach of the trigger was related to other sources i.e. cropping activities.</u></li> </ul> </li> <li>c) <u>Dust generating activities (except dust suppression measures) within 50 metres of a sensitive receptor location must not be undertaken when:</u> <ul style="list-style-type: none"> <li>i. <u>Wind speed reaches or exceeds 10 m/s (during two consecutive 10-minute periods);</u></li> <li>ii. <u>Dust generating activities would be directly upwind of a sensitive receptor (10-minute average wind direction); and,</u></li> <li>iii. <u>There has been no rain in the previous 12 hours.</u></li> </ul> </li> <li>d) <u>If the available mitigation methods are unsuccessful in controlling dust emissions and may cause significant adverse effects on receptors beyond the Project Area, the activities causing the discharge shall be suspended until adequate mitigation can be put in place.</u></li> </ul>
<p>RAQ<sup>42</sup></p>	<p><b>Weather station</b></p> <ul style="list-style-type: none"> <li>a) Prior to the commencement of construction activities, at least one weather station must be installed in an appropriate location within the Project Area and must be configured to automatically provide the following real-time data: <ul style="list-style-type: none"> <li>i. wind speed and direction at ten (10) metres above ground level;</li> <li>ii. occurrences of wind gust speeds greater than ten (10) m/s;</li> <li>iii. occurrences of hourly average wind speeds of greater than five (5) m/s;</li> <li>iv. air temperature at one and a half (1.5) metres; and</li> <li>v. continuous rainfall intensity and volume.</li> </ul> </li> <li>b) The weather stations required by clauses (a) and (b) must be maintained for the duration of construction activities and must: <ul style="list-style-type: none"> <li>i. comply with AS/NZS 3580.14:2014 'Methods for sampling and analysis of ambient air Meteorological monitoring for ambient air quality monitoring applications';</li> <li>ii. comply with the 'National Environmental Monitoring Standard Rainfall Recording - Measurement of Rainfall Data for Hydrological Purposes' version 2.1 (August 2017);</li> <li>iii. be <b>maintained and</b> recalibrated in accordance with the weather station manufacturer's specification; and</li> <li>iv. be connected to a data management system capable of sending out text message alerts when triggers set out in the Construction Air Quality Management Plan required by RAQ3 are exceeded.</li> </ul> </li> </ul>
<p>RAQ<sup>53</sup></p>	<p><b>Construction Air Quality Management Plan</b></p>

Condition Number	Condition
	<ul style="list-style-type: none"> <li>a) A Construction Air Quality Management Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 2 to these conditions of resource consents and must be certified in writing as set out in condition RAQ4.               <ul style="list-style-type: none"> <li>i. <a href="#">Good Practice Guide for Assessing and Managing Dust, Ministry for Environment, published by the Ministry for the Environment, 2016; and</a></li> <li>ii. <a href="#">Guide to assessing air quality impacts from state highway projects (version 2.3) published by Waka Kotahi, October 2019.</a></li> </ul> </li> <li>b) <a href="#">In addition to the requirements of Schedule 2 the CAQMP must be prepared in general accordance with the mitigation measures presented in the Air Quality Assessment.</a></li> </ul>
<p><b>RAQ64</b></p>	<p><b>Construction Air Quality Management Plan certification</b></p> <ul style="list-style-type: none"> <li>a) The Construction Air Quality Management Plan required by Condition RAQ3 must be provided to the Regional Council for technical certification at least forty (40) working days prior to the commencement of construction activities.</li> <li>b) Certification, or withholding certification, is based on whether the Construction Air Quality Management Plan meets the requirements of the relevant conditions of these resource consents, including as set out in Schedule 2.</li> <li>c) If twenty (20) working days have passed since the Construction Air Quality Management Plan has been provided to the Regional Council and the Regional Council has not certified the Construction Air Quality Management Plan or provided advice that the Construction Air Quality Management Plan is not suitable to certify, then the consent holder may commence work in accordance with the Construction Air Quality Plan as provided.</li> <li>d) Notwithstanding clause (a), and subject to the requirements of other conditions of these resource consents, work may commence at any time following the certification of the Construction Air Quality Management Plan.</li> </ul>
<p><b>RAQ75</b></p>	<p><b>Amending the Construction Air Quality Management Plan</b></p> <ul style="list-style-type: none"> <li>a) The Construction Air Quality Management Plan required by Condition RAQ3 may be amended or updated without the need for certification where:               <ul style="list-style-type: none"> <li>i. an amendment is an administrative change, including nominating personnel;</li> <li>ii. an amendment is part of an annual review of monitoring activities; or</li> <li>iii. an amendment has a positive effect, no adverse effect, or a de minimis adverse effect on the environment; and</li> <li>iv. the revised Construction Air Quality Management Plan is provided to the Regional Council and within ten (10) working days of receiving the revised Construction Air Quality Management Plan, the Regional Council has not advised in writing that the amendment must be certified under clause (b) because the amendment does not meet the requirements of clauses (a)(i), (a)(ii) or (a)(iii).</li> </ul> </li> <li>b) Except as provided for in clause (a), amendments to the Construction Air Quality Management Plan must be certified in writing by the Regional Council prior to the commencement of any work to which the amended Construction Air Quality Management Plan relates.</li> <li>c) Certification, or withholding certification, is based on whether amendment to the Construction Air Quality Management Plan continues to meet the requirements of the relevant conditions of these resource consents, including as set out in Schedule 2.</li> <li>d) If twenty (20) working days have passed since amendment to the Construction Air Quality Management Plan has been provided to the Regional Council and the Regional Council has not certified the amended Construction Air Quality Management Plan or provided <b>advice advise</b> that the amendment is not suitable to certify, then the consent holder may commence work in accordance</li> </ul>

Condition Number	Condition
	with the amendment to the Construction Air Quality Management Plan as provided to the Regional Council.
<b>Earthworks and Land Disturbance</b>	
REW1	<p><b>Imported material</b></p> <p>a) All imported material deposited as part of the works authorised by these resource consents must be <b>Cleanfill material</b>.</p>
REW2	<p><b>Earthworks and land disturbance stabilisation</b></p> <p>a) Areas of earthworks and land disturbance, <b>including spoil sites</b>, must be progressively <b>and/or</b> temporarily stabilised, including by re-contouring and re-vegetation to minimise sediment run-off and erosion as a result of construction activities until the areas are permanently established in accordance with 'Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region' June 2016 Guideline Document 2016/005 Version 2 and clause (b).</p> <p>b) Where an area of earthworks and land disturbance is completed, the area must be stabilised to prevent erosion:</p> <ol style="list-style-type: none"> <li>as soon as practicable and within fourteen (14) working days of completion of any earthworks and land disturbance authorised by these resource consents in that area; or</li> <li>as otherwise provided for in a certified Site-Specific Erosion and Sediment Control Plan required by Condition RES5.</li> </ol> <p>c) For the purposes of clause (b), earthworks and land disturbance are considered completed where no further earthworks and land disturbance will occur during the subsequent three (3) months.</p> <p>d) Areas of earthworks and land disturbance must be stabilised by 30 April of each year in accordance with 'Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region' June 2016 Guideline Document 2016/005 Version 2 unless:</p> <ol style="list-style-type: none"> <li>otherwise agreed in writing by the Regional Council; or</li> <li>earthworks are provided for by Condition REW3.</li> </ol>
REW3	<p><b>Winter earthworks and land disturbance</b></p> <p>a) Earthworks and land disturbance must not be undertaken during the period 1 May to 30 September inclusive except where:</p> <ol style="list-style-type: none"> <li>a written request is made to the Regional Council to undertake works <b>by 1 April of the year the works are proposed for</b> and the Regional Council provides <b>written advice approval</b> that specified works can proceed; or</li> <li>the works are explicitly described and managed as winter works by a certified Site-Specific Erosion and Sediment Control Plan required by Condition RES5; or</li> <li>the earthworks and land disturbance are directed by the Regional Council for maintenance or stabilisation purposes and are undertaken within three (3) working days of being directed by the Regional Council.</li> </ol> <p><del>b) If ten (10) working days have passed since a written request to undertake works in accordance with clause (a)(i) is made to the Regional Council, and the Regional Council has not provided a written response, then the requested works may commence.</del></p>
REW4	<b>Contaminated soil discovery and investigation</b>

Condition Number	Condition
	<p><del>a) Prior to earthworks and land disturbance being undertaken on the following sites, a detailed site investigation must be undertaken:</del></p> <ul style="list-style-type: none"> <li><del>i. 703 State Highway 1, Manakau;</del></li> <li><del>ii. 695-703 State Highway 1, Manakau;</del></li> <li><del>iii. 559 State Highway 1, Manakau;</del></li> <li><del>iv. 416 Arapaepae South Road, Levin;</del></li> <li><del>v. 232 Kimberley Road, Levin;</del></li> <li><del>vi. 34 Arapaepae Road, State Highway 57, Levin;</del></li> <li><del>vii. 50 Arapaepae Road, Levin;</del></li> <li><del>viii. 1051 Queen Street East, Levin; and</del></li> <li><del>ix. 101 Waihou Road, Levin.</del></li> </ul> <p><del>b) The detailed site investigation required by clause (a) must be undertaken in accordance with the Ministry for the Environment 'Contaminated Land Management Guidelines No. 5: Site Investigation and Analysis of Soils' (revised 2021).</del></p> <p><del>c) In the event that the detailed site investigation required by clause (a) identifies the presence of contaminants that, when disturbed would require resource consent under the Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011 or a rule in a Regional Plan:</del></p> <ul style="list-style-type: none"> <li><del>i. the Regional Council and the District Council must be notified within one (1) working day; and</del></li> <li><del>ii. earthworks and land disturbance activities within the potentially contaminated site must cease until the necessary resource consent/s have been granted.</del></li> </ul> <p><del>d) In the event that activities authorised by these resource consents discover or disturb contaminated soil:</del></p> <ul style="list-style-type: none"> <li><del>i. the Regional Council and the District Council must be notified within one (1) working day; and</del></li> <li><del>ii. earthworks and land disturbance activities within the potentially contaminated site must cease until a detailed site investigation has been undertaken and any necessary resource consent/s have been granted.</del></li> </ul> <p><del>e) Any discovery or disturbance under clause (d) must be reported as an incident in accordance with Condition RCM3.</del></p> <p><b><u>Site contamination</u></b></p> <p><del>a) Prior to the commencement of the earthworks and land disturbance authorised by these resource consents begin, and full access to the project designation area is available, the existing Preliminary Site Investigation (PSI) must be revised based on a full site walkover, and the requirements of clauses b) – g) must be met.</del></p> <p><del>b) The revised PSI must be completed and reported on in accordance with the Ministry for the Environment (MfE) 'Contaminated Land Management Guidelines (CLMG) Nos. 5: Site Investigation and Analysis of Soils' and 1: Reporting on Contaminated sites in New Zealand (both revised 2021).</del></p> <p><del>c) The PSI must identify the sites within the project designation (and any other sites that will be disturbed as part of the project) requiring further investigation (i.e., detailed site investigation (DSI)) to assess and satisfy consenting requirements under the relevant regional plans and/or the Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011 (the NES-CS).</del></p> <p><del>d) The DSI required by clause c) must be completed and reported in accordance with CLMGs 5 and 1 and must also confirm the following:</del></p>



Condition Number	Condition											
	<ul style="list-style-type: none"> <li>i. <u>the resource consents required for the project under the relevant regional plans and the NES-CS,</u></li> <li>ii. <u>the assessment criteria either adopted or derived for the project,</u></li> <li>iii. <u>further phases of work required before project works begin, including, additional investigation and/or remediation.</u></li> </ul> <p>e) <u>Following the completion, and based on the results of, the DSI required by clause c) all resource consents identified as being required under clause d)1 must be obtained from the relevant consenting authorities.</u></p> <p>f) <u>A project Contaminated Soil Management Plan (CSMP) must be prepared for inclusion into the resource consent applications required by clause e)1. The CSMP will be produced in accordance with CLMG1.</u></p> <p>g) <u>If required, a Remedial Action Plan (RAP) must be provided with the resource consent applications required by clause e)1. The RAP must be prepared in accordance with CLMG1.</u></p>											
<b>Groundwater</b>												
RGW1	<p><b>Dewatering</b></p> <ul style="list-style-type: none"> <li>a) The taking of groundwater for the purpose of dewatering as a result of construction activities authorised by these resource consents must:               <ul style="list-style-type: none"> <li>i. not be located within fifty (50) metres of a consented bore, or a bore that is permitted by a rule in a Regional Plan, on any other property; <del>and</del></li> <li>ii. continue only for the <u>minimum</u> time required to carry out the construction activities and, <del>where practicable,</del> occur when groundwater is low; <del>and</del></li> <li>iii. <u>be limited to no more than 2 months per dewatering installation.</u></li> </ul> </li> <li>b) Where the Project is located below the maximum groundwater level, any seepage will be treated in stormwater management devices, conveyed to maintain flow continuity, and discharged to ground as close as practicable to where it would have naturally flowed.</li> <li>c) Where the discharge of water from dewatering as a result of construction activities authorised by these resource consents is to a sediment retention device, the discharge is managed by Condition RES1.</li> <li>d) Where the discharge of water from dewatering as a result of construction activities authorised by these resource consents is directly to the receiving environment the water must have:               <ul style="list-style-type: none"> <li>i. a pH between 5.5 and 8.5; and</li> <li>ii. <del>400mm e-Clarity per catchment.</del></li> </ul> </li> </ul> <table border="1"> <thead> <tr> <th>Catchment</th> <th>Stream name/code<sup>1</sup></th> <th>Sensitivity<sup>2</sup></th> <th>Proposed trigger/standard</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Koputaroa</td> <td>39, 39.1</td> <td>Moderate</td> <td>150 mm</td> </tr> <tr> <td>42.3, 42.2, 42, 43, 41, 40,</td> <td>Low</td> <td>100 mm</td> </tr> </tbody> </table>	Catchment	Stream name/code <sup>1</sup>	Sensitivity <sup>2</sup>	Proposed trigger/standard	Koputaroa	39, 39.1	Moderate	150 mm	42.3, 42.2, 42, 43, 41, 40,	Low	100 mm
Catchment	Stream name/code <sup>1</sup>	Sensitivity <sup>2</sup>	Proposed trigger/standard									
Koputaroa	39, 39.1	Moderate	150 mm									
	42.3, 42.2, 42, 43, 41, 40,	Low	100 mm									

<sup>1</sup> Aligns with the stream name/code from Technical Assessment K.

<sup>2</sup> Taken from Table K14, Technical Assessment K.

Condition Number	Condition			
		<a href="#">39.1</a>	<a href="#">Nil</a>	<a href="#">100 mm</a>
	<a href="#">Punaha</a>	<a href="#">37</a>	<a href="#">Nil</a>	<a href="#">100mm</a>
	<a href="#">Ōhau</a>	<a href="#">33 (Ōhau River)</a>	<a href="#">Very high</a>	<a href="#">200 mm</a>
		<a href="#">32 (Kuku)</a>	<a href="#">High</a>	<a href="#">200 mm</a>
		<a href="#">29</a>	<a href="#">Moderate</a>	<a href="#">150 mm</a>
		<a href="#">34.5, 31, 30</a>	<a href="#">Low</a>	<a href="#">100 mm</a>
		<a href="#">35.4, 35.1, 34, 28</a>	<a href="#">Nil</a>	<a href="#">100 mm</a>
	<a href="#">Waikawa</a>	<a href="#">Waikawa Stream (27)</a>	<a href="#">Very high</a>	<a href="#">200 mm</a>
		<a href="#">27.1, Manakau Stream (15), Waiauti Stream (14)</a>	<a href="#">High</a>	<a href="#">200 mm</a>
		<a href="#">25, 23</a>	<a href="#">Moderate</a>	<a href="#">150 mm</a>
		<a href="#">22, 19, 18, 17</a>	<a href="#">Low</a>	<a href="#">100 mm</a>
		<a href="#">26, 20, 18.5, 13, 12</a>	<a href="#">Nil</a>	<a href="#">100 mm</a>
	<a href="#">Waitohu</a>	<a href="#">0</a>	<a href="#">Moderate</a>	<a href="#">150 mm</a>
		<a href="#">11, 10, 3, 2, 1</a>	<a href="#">Low</a>	<a href="#">100 mm</a>
		<a href="#">9, 8, 7, 6.1, 6, 5, 4</a>	<a href="#">Nil</a>	<a href="#">100 mm</a>
RGW2	<p><b>Groundwater standards</b></p> <p>a) The construction activities authorised by these resource consents must not result in any adverse change to the existing quality, maximum quantity and maximum rate of abstraction for any</p>			

Condition Number	Condition																				
	<p>community water supply or bore that is either subject to an active water permit or permitted by a rule in a Regional Plan.</p> <p><u>b) The construction activities authorised by these resource consents must not result in any adverse change to the existing quality or quantity of wetlands adjacent to the designation boundary. Any such adverse effects must be included in the review offsets in REM17.</u></p> <p><u>c) Prior commencement of construction activities authorised by these resource consents, the consent holder must, for the groundwater bore at 195 Muhunua East Road, Ōhau,</u></p> <p><u>i. Verify the existence, structural integrity and functionality of the bore; and</u></p> <p><u>ii. If verified as operational and fit for the current purpose, provide supplementary water supply until such time as the construction ceases and any construction effects have passed.</u></p>																				
RGW3	<p><b>Groundwater monitoring</b></p> <p>a) Groundwater must be monitored to confirm compliance with Condition RGW2 as follows:</p> <ol style="list-style-type: none"> <li>at all existing groundwater monitoring bores installed as part of the Project, except those that must be decommission because they are within the Project footprint;</li> <li>at <u>a the existing</u> sampling <u>and reporting</u> frequency <u>appropriate to the scale, intensity and duration of the works programme;</u></li> <li>for the duration of construction and for a year following the Project being open for public use.</li> </ol> <p>b) A summary report of the groundwater monitoring required by clause (a) must be provided to the Regional Council in the annual report required by Condition RGA3.</p>																				
<b>Surface Water</b>																					
RWT1	<p><b>Surface water abstraction</b></p> <p>a) The abstraction of surface water to support construction activities must not exceed the maximum volumes or rates in Table RWT-1:</p> <p><b>Table RWT-1 Maximum Abstraction Volume and Rate <u>below median flows</u></b></p> <table border="1"> <thead> <tr> <th rowspan="2">Water body</th> <th>Maximum abstraction volume</th> <th>Maximum abstraction rate</th> </tr> <tr> <th>m<sup>3</sup>/day</th> <th>L/s</th> </tr> </thead> <tbody> <tr> <td>Koputaroa Stream</td> <td>231</td> <td>6</td> </tr> <tr> <td>Ohau River</td> <td>0</td> <td>70</td> </tr> <tr> <td>Waikawa Stream</td> <td>2,998</td> <td>70</td> </tr> <tr> <td>Manakau and Waiauti Stream</td> <td>102</td> <td>6</td> </tr> <tr> <td>Waitohu <u>Stream</u></td> <td>2,160</td> <td><u>50 37.5</u></td> </tr> </tbody> </table>	Water body	Maximum abstraction volume	Maximum abstraction rate	m <sup>3</sup> /day	L/s	Koputaroa Stream	231	6	Ohau River	0	70	Waikawa Stream	2,998	70	Manakau and Waiauti Stream	102	6	Waitohu <u>Stream</u>	2,160	<u>50 37.5</u>
Water body	Maximum abstraction volume		Maximum abstraction rate																		
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- b) The maximum abstraction volumes specified in table RWT-1 can be exceeded, and abstraction from the Ōhau River can commence when flow in the water body is above the median flows specified in Table RWT-2 and as measured using the flow gauge sites in Table RWT-3.

**Table RWT-2 Median Flows**

Water body	Median flows
	m <sup>3</sup> /sec
Koputaroa Stream	<del>0.059</del> <u>0.15</u>
Ohau River	4.15
Waikawa Stream	0.95
Manakau <del>and/or</del> Waiauti Stream	<del>0.14</del> <u>0.18</u>
Waitohu <u>Stream</u>	0.54

- c) The abstraction of surface water set out in clauses (a) and (b) must occur at the locations shown on the Accommodation Works Plans included in the 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans'.
- d) In addition to the maximum abstraction rates set out in (a), the abstraction of surface water below median flows must occur at a rate of not more than ten (10) percent of the mean daily flow at the point of take in the water body on the preceding day measured at the flow gauge required by clause (e)- based on automatic gauge site flow adjusted (where necessary) using the methods set out in Table RWT-3:

**Table RWT-3 Flow gauge sites and adjustment equations**

Water body	Flow gauge	Equation used to adjust gauge flow to mean daily flow at the point of take
<u>Koputaroa Stream</u>	<u>Koputaroa at Tavistock Road</u>	<u>TBC – Concurrent gaugings required to confirm suggested flow relationship between the two sites due to streamflow and groundwater interactions</u>
<u>Waikawa Stream</u>	<u>Waikawa at North Manakau Road</u>	<u>TBC</u>
<u>Manakau and Waiauti Stream</u>	<u>Manakau at SH1 Bridge</u>	<u>TBC</u>
<u>Waitohu Stream</u>	<u>Water Supply Intake (WSI)</u>	<u>Mean daily flow at point of abstraction = [WSI mean daily flow x 0.99] +0.032</u>

- e) The abstraction of surface water above median flows must occur at a rate of not more than ten (10) percent of the most recent four-hourly average flow at the point of take based on the automatic gauge site flow adjusted (where necessary) using the methods set out in Table RWT-4:

**Table RWT-4 Flow gauge sites and adjustment equations**

Water body	Flow gauge	Equation used to adjust gauge flow to four-hourly average flow at the point of take
<u>Koputaroa Stream</u>	<u>Koputaroa at Tavistock Road</u>	<u>TBC</u>
<u>Ohau River</u>	<u>Ōhau at Rongomatane</u>	<u>NA – use raw flow record</u>

**Commented [RC25]:** Plot regressions -- to be confirmed.

**Commented [RC26]:** Additional work is required to show that what is proposed will not result in more than 10% of actual river flow.

**Commented [RC27]:** No proposed adjustments are included in the application. Therefore concurrent flow gaugings are required.

Condition Number	Condition
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<a href="#">Waikawa Stream</a>	<a href="#">Waikawa at North Manakau Road</a>	<a href="#">NA – use raw flow record</a>
<a href="#">Manakau and Waiauti Stream</a>	<a href="#">Manakau at SH1 Bridge</a>	<a href="#">NA – use raw flow record</a>
<a href="#">Waitohu Stream</a>	<a href="#">Water Supply Intake (WSI)</a>	<a href="#">N/A – use raw flow record from WSI site</a>

- f) The abstraction of surface water must cease **completely** when the **Regional Plan minimum flow levels or an alternative cease take flow level has been reached, as specified in Table RWT-5:**
- i.—except as provided by clause (e)(ii), a Regional Plan minimum flow level is reached;
  - ii.—for the Koputaroa Stream, the minimum flow, calculated using the same method as the Regional Plan, at Tavistock Road is reached.

**Table RWT-5 Cease take flows**

<a href="#">Water body</a>	<a href="#">Flow gauge</a>	<a href="#">Regional Plan minimum flow</a>	<a href="#">Alternative cease take flow</a>
<a href="#">Koputaroa Stream</a>	<a href="#">Manawatū at Teachers College</a>	<a href="#">12.240 m³/sec</a>	<a href="#">0.038 m³/s (Koputaroa at Tavistock Road)</a>
<a href="#">Waikawa Stream</a>	<a href="#">Waikawa at North Manakau Road</a>	<a href="#">0.220 m³/sec</a>	<a href="#">TBC</a>
<a href="#">Manakau and Waiauti Stream</a>	<a href="#">Manakau at SH1 Bridge</a>	<a href="#">0.040 m³/sec</a>	<a href="#">TBC</a>
<a href="#">Waitohu Stream</a>	<a href="#">Water Supply Intake (WSI)</a>	<a href="#">140 L/sec</a>	

- g) In addition to the requirements of clauses (a), (b) and (e), the abstraction of surface water from the Koputaroa Stream must be proportionate to the catchment area upstream of the abstraction point relative to the catchment area upstream of the flow recorder at Tavistock Road at any time flow is between the minimum and median flows set out in Table RWT-2.
- g) The abstraction of surface water below median flows must reduce when stepdown flow levels have been reached, as specified in Table RWT-6:

**Table RWT-6 Stepdown flows**

<a href="#">Water body</a>	<a href="#">Flow gauge</a>	<a href="#">Stepdown flow</a>	<a href="#">Maximum daily abstraction volume (m³/day)</a>	<a href="#">Maximum 15 min average abstraction rate (L/sec)</a>
<a href="#">Koputaroa Stream</a>				<a href="#">TBC</a>
<a href="#">Waikawa Stream</a>				<a href="#">TBC</a>
<a href="#">Manakau and Waiauti Stream</a>				<a href="#">TBC</a>
<a href="#">Waitohu Stream</a>	<a href="#">Water Supply Intake (WSI)</a>	<a href="#">185 L/sec</a>	<a href="#">2,160</a>	<a href="#">18</a>

**Commented [RC28]:** Additional work is required to calculate these step downs.

Condition Number	Condition
	<p>h) For each water take, a flow meter must be installed <u>by an accredited installer</u> and maintained, and must:</p> <ul style="list-style-type: none"> <li>i. be located on the abstraction line;</li> <li>ii. have a pulse counter output traceably calibrated to plus or minus (+/-) five (5) percent or better; <del>and</del></li> <li>iii. be capable of providing daily water use (<u>m<sup>3</sup>/day</u>), as well as pulse counter data;</li> <li>iv. <u>be capable of providing instantaneous flow rate (15 minute average L/sec);</u></li> <li>v. <u>be positioned to measure the entire volume abstracted under authorisation of this consent;</u></li> <li>vi. <u>be installed in accordance with the Resource Management (Measurement and Reporting of Water Takes) Amendment Regulations 2020; and</u></li> <li>vii. <u>be installed in accordance with the IrrigationNZ "The New Zealand Water Measurement Code of Practice" September 2018.</u></li> </ul> <p><b>ADVICE NOTE:</b> An accredited installer refers to an individual with a current accreditation certificate for water measurement installation from Irrigation New Zealand (also referred to as IrrigationNZ) represented by the 'Blue Tick' logo. A list of accredited installers can be found at <a href="http://www.irrigationnz.co.nz">www.irrigationnz.co.nz</a></p> <p>a) Prior to exercising this consent, the Consent Holder must install and maintain, in fully operational condition, a telemetry unit compatible with the Manawatū-Whanganui and Greater Wellington Regional Council's Telemetry System. The telemetry unit must:</p> <ul style="list-style-type: none"> <li>i. be installed on the water abstraction line;</li> <li>ii. have traceably calibrated to +/- 5% or better; and</li> <li>iii. be set to New Zealand Standard Time.</li> </ul> <p>b) <u>The Koputaroa at Tavistock Road flow recorder must be maintained to the standard specified the National Environmental Monitoring Standard 'Open Channel Flow Measurement' for the duration of the consent. Flow data must be telemetered to Manawatū-Whanganui Regional Council for compliance monitoring purposes.</u></p> <p>c) A record of the daily water volumes abstracted (<u>m<sup>3</sup>/day</u>) and, <u>for the Waitohu Stream rates (15 average L/sec)</u>, of water abstracted must be maintained and provided to the Regional Council and Project Iwi Partners on request.</p>
<b>Erosion and Sediment Control</b>	
RES1	<p><b>Erosion and sediment control standards</b></p> <ul style="list-style-type: none"> <li>a) Sediment losses to a natural water body arising from construction activities authorised by these resource consents must be minimised for the duration of construction activities and until the expiry of the resource consents through: <ul style="list-style-type: none"> <li>i. the establishment and maintenance of erosion and sediment control measures in accordance with 'Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region' June 2016 Guideline Document 2016/005 Version 2 except where a higher standard is referred to in the Erosion and Sediment Control Plan, or a certified Site-Specific Erosion and Sediment Control Plan, in which case the higher standard applies; and</li> <li>ii. where practicable, undertaking works when streams are dry.</li> </ul> </li> <li>b) All sediment laden run-off resulting from construction activities authorised by these resource consents must be treated by sediment retention structures, devices or measures established and maintained in accordance with a certified Site-Specific Erosion and Sediment Control Plan required by Condition RES5.</li> </ul>

**Commented [RC29]:** Preferably these would be telemetered to avoid the need for this.

Condition Number	Condition																																																
	<p>c) The consent holder must ensure that, as far as practicable, all clean water run-off from stabilised surfaces is diverted away from exposed areas of works via a stabilised system to prevent erosion, including erosion at any outfalls.</p> <p>d) sediment retention devices must be designed and operated to achieve the following <b>performance targets standards</b>:</p> <p>i. the pH of any discharge from sediment retention devices to any water body must not be less than 5.5 or greater than 8.5;</p> <p>ii. <b>100mm clarity</b>;</p>																																																
	<table border="1"> <thead> <tr> <th>Catchment</th> <th>Stream name/code<sup>3</sup></th> <th>Sensitivity<sup>4</sup></th> <th>Proposed trigger/standard</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Koputaroa</td> <td>39, 39.1</td> <td>Moderate</td> <td>150 mm</td> </tr> <tr> <td>42.3, 42.2, 42, 43, 41, 40,</td> <td>Low</td> <td>100 mm</td> </tr> <tr> <td>39.1</td> <td>Nil</td> <td>100 mm</td> </tr> <tr> <td>Punaha</td> <td>37</td> <td>Nil</td> <td>100mm</td> </tr> <tr> <td rowspan="5">Ōhau</td> <td>33 (Ōhau River)</td> <td>Very high</td> <td>200 mm</td> </tr> <tr> <td>32 (Kuku)</td> <td>High</td> <td>200 mm</td> </tr> <tr> <td>29</td> <td>Moderate</td> <td>150 mm</td> </tr> <tr> <td>34.5, 31, 30</td> <td>Low</td> <td>100 mm</td> </tr> <tr> <td>35.4, 35.1, 34, 28</td> <td>Nil</td> <td>100 mm</td> </tr> <tr> <td rowspan="3">Waikawa</td> <td>Waikawa Stream (27),</td> <td>Very high</td> <td>200 mm</td> </tr> <tr> <td>27.1, Manakau Stream (15), Waiauti Stream (14),</td> <td>High</td> <td>200 mm</td> </tr> <tr> <td>25, 23,</td> <td>Moderate</td> <td>150 mm</td> </tr> <tr> <td></td> <td>22, 19, 18, 17,</td> <td>Low</td> <td>100 mm</td> </tr> </tbody> </table>	Catchment	Stream name/code <sup>3</sup>	Sensitivity <sup>4</sup>	Proposed trigger/standard	Koputaroa	39, 39.1	Moderate	150 mm	42.3, 42.2, 42, 43, 41, 40,	Low	100 mm	39.1	Nil	100 mm	Punaha	37	Nil	100mm	Ōhau	33 (Ōhau River)	Very high	200 mm	32 (Kuku)	High	200 mm	29	Moderate	150 mm	34.5, 31, 30	Low	100 mm	35.4, 35.1, 34, 28	Nil	100 mm	Waikawa	Waikawa Stream (27),	Very high	200 mm	27.1, Manakau Stream (15), Waiauti Stream (14),	High	200 mm	25, 23,	Moderate	150 mm		22, 19, 18, 17,	Low	100 mm
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RES2	<p><b>Erosion and Sediment Control Plan</b></p> <ol style="list-style-type: none"> <li>a) An Erosion and Sediment Control Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 8 to these conditions of resource consents and must be certified in writing as set out in Condition RES3.</li> <li>b) The Erosion and Sediment Control Plan required by clause (a) must be prepared in consultation with the Project Iwi Partners.</li> </ol>																
RES3	<p><b>Erosion and Sediment Control Plan certification</b></p> <ol style="list-style-type: none"> <li>a) The Erosion and Sediment Control Plan required by Condition RES2 must be provided to the Regional Council for technical certification at least forty (40) working days prior to the commencement of construction activities.</li> <li>b) Certification, or withholding certification, is based on whether the Erosion and Sediment Control Plan meets the requirements of the relevant conditions of these resource consents, including as set out in Schedule 8.</li> <li>c) If twenty (20) working days have passed since the Erosion and Sediment Control Plan has been provided to the Regional Council and that Regional Council has not certified the Erosion and Sediment Control Plan or provided advice that the Erosion and Sediment Control Plan is not suitable to certify, then the consent holder may commence work in accordance with the Erosion and Sediment Control Plan as provided.</li> <li>d) Notwithstanding clause (a), and subject to the requirements of other conditions of these resource consents, work may commence at any time following the certification of the Erosion and Sediment Control Plan.</li> </ol>																
RES4	<p><b>Amending the Erosion and Sediment Control Plan</b></p>																



Condition Number	Condition
	<ul style="list-style-type: none"> <li>a) The Erosion and Sediment Control Plan required by Condition RES2, including all appendices, may be amended or updated without the need for certification where:               <ul style="list-style-type: none"> <li>i. the amendment is an administrative change, including nominating personnel; or</li> <li>ii. the amendment is part of an annual review of monitoring activities; and</li> <li>iii. the revised Erosion and Sediment Control Plan is provided to the Regional Council and, within five (5) working days of receiving the revised Erosion and Sediment Control Plan, that Regional Council has not advised in writing that the revised Erosion and Sediment Control Plan must be certified under clause (b) because the requirements of clauses (a)(i) or (a)(ii) are not met.</li> </ul> </li> <li>b) Except as provided for in clause (a), amendments to the Erosion and Sediment Control Plan, including all appendices, must be certified in writing by the Regional Council in accordance with Condition RES3.</li> </ul>
RES5	<p><b>Site-Specific Erosion and Sediment Control Plans</b></p> <ul style="list-style-type: none"> <li>a) Site-Specific Erosion and Sediment Control Plans must:               <ul style="list-style-type: none"> <li>i. be prepared for all areas of earthworks and land disturbance;</li> <li>ii. must achieve the objectives and include the content, set out in Schedule 8 to these conditions of resource consents;</li> <li>iii. must be prepared in consultation with the Project Iwi Partners; and</li> <li>iii. must be certified in writing as set out in Condition RES6.</li> </ul> </li> </ul>
RES6	<p><b>Site-Specific Erosion and Sediment Control Plan certification</b></p> <ul style="list-style-type: none"> <li>a) Each Site-Specific Erosion and Sediment Control Plan must be certified in writing by the Regional Council prior to the commencement of earthworks or land disturbance in the area subject to the Site-Specific Erosion and Sediment Control Plan.</li> <li>b) Certification, or withholding certification, is based on whether the Site-Specific Erosion and Sediment Control Plan meets the requirements of the relevant conditions of these resource consents, including as set out in Schedule 5.</li> <li>c) If ten (10) working days have passed since the Site-Specific Erosion and Sediment Control Plan has been provided to the Regional Council and the Regional Council has not certified the Site Specific Erosion and Sediment Control Plan or provided advice that the Erosion and Sediment Control Plan is not suitable to certify, then the consent holder may commence work in accordance with the Site-Specific Erosion and Sediment Control Plan as provided.</li> <li>d) Notwithstanding clause (c), and subject to the requirements of other conditions of these resource consents including Condition REW3, work may commence at any time following the certification of the Site-Specific Erosion and Sediment Control Plan.</li> </ul>
RES7	<p><b>Amending certified Site-Specific Erosion and Sediment Control Plans</b></p> <ul style="list-style-type: none"> <li>a) Where compliance with '<i>Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region</i>' June 2016 Guideline Document 2016/005 Version 2 (GD05) continues to be achieved, the following may be undertaken without certification and prior to a Site-Specific Erosion and Sediment Control Pan being amended, subject to the Site-Specific Erosion and Sediment Control Plan being retrospectively amended and provided to the Regional Council within ten (10) working days:               <ul style="list-style-type: none"> <li>i. the addition of silt fences and super silt fences;</li> <li>ii. changes to the dimension or configuration of a sediment retention pond or decanting earth bund; and</li> </ul> </li> </ul>

Condition Number	Condition
	<ul style="list-style-type: none"> <li>iii. construction of additional erosion and sediment controls where devices do not affect erosion and sediment controls that are installed.</li> <li>b) A Site-Specific Erosion and Sediment Control Plan may be amended or updated without the need for certification, prior to the commencement of any works to which the amended Site-Specific Erosion and Sediment Control Plan relates where:               <ul style="list-style-type: none"> <li>i. the amendment is an administrative change, such as a change in contact details; or</li> <li>ii. the amendment is to the location of an erosion and sediment control where each control is sized for the captured area and shown on as-built plans in the new location and compliance with 'Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region' June 2016 Guideline Document 2016/005 Version 2 is maintained; or</li> <li>iii. the amendment provides additional lay down areas within the area subject to the Site-Specific Erosion and Sediment Control Plan and does not impact on existing controls;</li> <li>iv. the amendment:                   <ul style="list-style-type: none"> <li>A. changes bund or diversion construction, excluding changes to dimension and capacity; or</li> <li>B. does not result in a new erosion and sediment control being located in the bed of a river;</li> </ul> </li> <li>v. the revised Site Specific Erosion and Sediment Control Plan is provided to the Regional Council and, within five (5) working days of receiving the revised Site-Specific Erosion and Sediment Control Plan, the Regional Council has not advised in writing that the amendment must be certified under clause (c); and</li> <li>vi. the amendment does not result in earthworks or land disturbance occurring during the period 1 May to 30 September inclusive.</li> </ul> </li> <li>c) Except as provided for in clauses (a) and (b), amendments to a Site-Specific Erosion and Sediment Control Plan must be certified in writing by the Regional Council prior to the commencement of any works to which the amended Site-Specific Erosion and Sediment Control Plan relates.</li> <li>d) Certification, or withholding certification, is based on whether the amended Site-Specific Erosion and Sediment Control Plan continues to meet the requirements of the relevant conditions of these resource consents and the measures in 'Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region' June 2016 Guideline Document 2016/005 Version 2.</li> <li>e) If five (5) working days have passed since the amended Site Specific Erosion and Sediment Control Plan has been provided to the Regional Council and the Regional Council has not certified the amended Site Specific Erosion and Sediment Control Plan or provided advice that the amended Erosion and Sediment Control Plan is not suitable to certify, then the consent holder may commence work in accordance with the Site Specific Erosion and Sediment Control Plan as provided.</li> </ul>
RES8	<p><b>As-built plans</b></p> <ul style="list-style-type: none"> <li>a) Prior to the commencement of earthworks, excluding the earthworks necessary to install the erosion and sediment control, or the implementation of a new control, a certification statement and as-built plans must be provided to the Regional Council to demonstrate that all structures, including sediment retention ponds, decanting earth bunds and diversion channels and/or bunds have been constructed in accordance with a certified Site-Specific Erosion and Sediment Control Plan.</li> <li>b) The as-built plans required by clause (a) must include the expected dose rate, and corresponding catch tray and header tank outlet pipe sizes, for each chemical treatment system to be implemented for sediment retention ponds and decanting earth bunds within the areas covered by the Site Specific Erosion and Sediment Control Plan and the chemical treatment set out in the certified Erosion and Sediment Control Plan.</li> </ul>

Condition Number	Condition
RES9	<p><b>Erosion and sediment control monitoring</b></p> <p>a) all erosion and sediment control structures must be monitored in respect of the performance targets and standards set out in Condition RES1 by being:</p> <ol style="list-style-type: none"> <li>i. inspected on a weekly basis;</li> <li>ii. inspected prior to a trigger rainfall event set out in a certified Erosion and Sediment Control Plan required by Condition RES2</li> <li>iii. inspected following a trigger rainfall event set out in a certified Erosion and Sediment Control Plan required by Condition RES2.</li> </ol> <p>b) Except where Condition RCM3 applies, for every rainfall event or circumstance where the performance targets in Condition RES1 are not achieved a summary report of the event must be provided to the Regional Council in writing within ten (10) working days.</p> <p>c) The records of the monitoring and maintenance required by clauses (a) to (d) must be made available to the Regional Council and Project Iwi Partners upon request.</p>
RES10	<p><b>Removal of erosion and sediment control measures</b></p> <p>a) Erosion and sediment control measures must only be removed:</p> <ol style="list-style-type: none"> <li>i. when the corresponding catchment areas has been permanently stabilised; or</li> <li>ii. in accordance with a certified Site-Specific Erosion and Sediment Control Plan.</li> </ol> <p>b) The removal of an erosion and sediment control measure must only occur where the Regional Council confirms in writing that the measure can be removed. Such advice must be based on information provided by the consent holder in relation to the quality of discharged water and the receiving environment and the adequacy of soil stabilisation and/or covering vegetation.</p>
<b>Operational Stormwater</b>	
RSW1	<p><b>Operational stormwater standards</b></p> <p>a) Operational stormwater run-off from the Project must be treated in dedicated stormwater management devices before discharging to the receiving environment in general accordance with the Waka Kotahi NZ Transport Agency 'Stormwater Treatment Standard for State Highway Infrastructure' dated May 2010.</p> <p><u>b) Stormwater management devices that involve soakage to ground, must be located in areas and operated in a manner that will not cause, or exacerbate, flooding outside of the designation during the typical wet weather conditions 1% AEP design rainfall (increased to allow for the effects of climate change) or three successive 10% AEP rainfalls 7 days apart.</u></p> <p>c) Stormwater management devices must be fully operational prior to the Project being opened for public use.</p> <p><u>d) The consent holder shall 30 working days prior to the operation of the first stormwater treatment device provide the Regional Council a monitor plan for monitoring the effectiveness of at least two of the stormwater treatment wetlands across the road corridor. This monitoring shall include but not be limited to:</u></p> <ol style="list-style-type: none"> <li><u>i. The continuous monitoring of inflows and outflows from the treatment devices for at least 24 months;</u></li> <li><u>ii. The monitoring of TP, TN, DRP, SIN, ammonical nitrogen and E. coli across a range of operational flows into and out of the wetland to enable the establishment of loads (tonnes/year) of the contaminants that enter and then exit the wetland treatment system.</u></li> </ol> <p><u>d) The consent holder shall maintain the wetland treatment systems to ensure:</u></p>

**Commented [RC30]:** The use of a 'target' is not accepted - a standard should be used, or a trigger to initiate action.

Condition Number	Condition
	i. [TBC]
<u>RSW2</u>	<p><b>Stormwater management device as-built plans</b></p> <p>a) Within twelve (12) months of the Project being open for public use, as-built plans for all stormwater management devices must be provided to the Regional Council and Project Iwi Partners.</p> <p>b) The as-built plans required by clause (a) must describe the:</p> <ol style="list-style-type: none"> <li>device location;</li> <li>device type and specifications;</li> <li>levels and size of outflow control devices; <del>and</del></li> <li>discharge outlets associated with each device; <del>and</del></li> </ol> <p><u>v. natural groundwater level in meters below ground level, where soakage to ground is practiced.</u></p>
<u>RSW3</u>	<p><b>Stormwater Soakage Device Management Plan</b></p> <p><u>a) A Stormwater Soakage Device Management Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 7 to these conditions of resource consent and must be certified in writing as set out in Condition RSW4.</u></p>
<u>RSW4</u>	<p><b>Stormwater Soakage Device Management Plan certification</b></p> <p><u>a) The Stormwater Soakage Device Management Plan required by Condition RSW3 must be provided to the Regional Council for technical certification at least forty (40) working days prior to the commencement of construction activities.</u></p> <p><u>b) Certification, or withholding certification, is based on whether the Stormwater Soakage Device Management Plan meets the requirements of the relevant conditions of these resource consents, including as set out in Schedule 2.</u></p> <p><u>c) If twenty (20) working days have passed since the Stormwater Soakage Device Management Plan has been provided to the Regional Council and the Regional Council has not certified the Stormwater Soakage Device Management Plan or provided advice that the Stormwater Soakage Device Management Plan is not suitable to certify, then the consent holder may commence work in accordance with the Stormwater Soakage Device Management Plan as provided.</u></p> <p><u>d) Notwithstanding clause (a), and subject to the requirements of other conditions of these resource consents, work may commence at any time following the certification of the Stormwater Soakage Device Management Plan.</u></p>
<b>Bridges and Structures over Water Bodies (Waiauti Stream, Manakau Stream, Waikawa Stream, Kuku Streams and the Ohau River)</b>	
RBS1	<p><b>Bridge construction and operation standards</b></p> <p>a) The bridges <u>and all associated works</u> must be <u>designed</u>, constructed and maintained to avoid causing any aggradation or scouring of the bed <u>for the events specified in [a new condition] that may inhibit the passage of fish upstream and downstream at all flows.</u></p> <p><u>b) The bridges, overpasses and all associated works must be designed, constructed and maintained to avoid causing increases to peak water levels and in the area of land covered by floodwater outside the designation boundary for the events specified in [a new condition].</u></p>

**Commented [RC31]:** An additional condition is needed after RSW1 which requires Waka Kotahi to provide detailed design plans for OSM devices and other information prior to construction commencing. See section J of the 87F report of Mr Farrant.

**Commented [RC32]:** An additional condition is needed after RSW2 (and at the appropriate location in the schedules) which requires the preparation of an operation and maintenance plan for all OSM devices. See section J of the 87F report of Mr Farrant.

**Commented [RC33]:** Events required to be modelled for new condition:

- 20% AEP flood event. This would be the smallest event modelled.
- 10% AEP flood event with an appropriate allowance for climate change
- 5% AEP flood event with an appropriate allowance for climate change for the bridges and structures within the jurisdiction of GWRC.
- 2% AEP flood event with an appropriate allowance for climate change. This would provide information on the effect of the works on adjacent landowners' ability to meet Building Act requirements.
- 1% AEP flood event with an appropriate allowance for climate change (already modelled)
- 0.5% AEP flood event with an appropriate allowance for climate change. This would be the largest event modelled.

Condition Number	Condition
	<p><u>c) The overpasses and all associated works must be designed, constructed and maintained to avoid causing increases to peak water levels and the area of road reserve covered by floodwater within the designation boundary for the events specified in [a new condition].</u></p> <p><u>d) The bridges and all associated works must be designed, constructed and maintained to avoid causing increases to flood hazard, which is the product of depth and velocity, for the events specified in [a new condition].</u></p> <p><u>e) In locations where new public access to waterways is created in areas where a flood hazard, which is the product of depth and velocity, exists and is within the definitions of Hazard Vulnerability Classification H2, H3, H4, H5 or H6 in Table 6.7.3 of the Australian Rainfall and Runoff Guidelines 2019, signage must be designed, constructed and maintained to inform users of the presence of the flood hazard.</u></p> <p><u>f) The bridges and all associated works must be designed, constructed and maintained to avoid causing increases to the duration of flooding for the events specified in [a new condition].</u></p> <p><u>g) The bridges and all associated works must be designed to achieve the freeboard requirements of Waka Kotahi's Bridge Manual.</u></p> <p>bh) Any discharge of sediment into water directly caused by bridge construction activities must not, after reasonable mixing, cause any change in visual clarity in the water body by more than 30% for more than twenty-four (24) hours in total across five (5) consecutive days, where reasonable mixing is defined as seven (7) times the bed width.</p> <p>ei) The works authorised by these resource consents must not affect the ability of the water bodies to convey flood flows or floating or flood borne debris.</p>
RBS2	<p><b>Public access</b></p> <p>a) Except as provided for by clause (b), existing public access to and along water bodies must be maintained.</p> <p>b) Public access to and along water bodies may be temporarily restricted as a result of works authorised by <del>the</del> these resource consents where necessary to protect public health and safety.</p>
RBS3	<p><b>Bridge as-built plans</b></p> <p>a) Within twelve (12) months of the completion of construction of the structures over <u>each of</u> the Waiauti Stream, Manakau Stream, Waikawa Stream, Kuku Streams and the Ohau River, a certification statement and as-built plans must be provided to the Regional Council.</p>
<b>Works in the Bed of Water Bodies</b>	
RWB1	<p><b>Permanent culvert design standards</b></p> <p>a) Culverts <u>and all associated works</u> must be designed, <u>and</u> constructed <u>and maintained</u> to not adversely affect the ability of a water body to convey flows <u>for the events specified in [a new condition] up to and including one (1%) percent annual exceedance probability (AEP) (1 in 100 year) flood event via the culverts and overland flow paths.</u></p> <p><u>b) The bridges and all associated works must be designed, constructed and maintained to avoid causing increases to the depth or level of flooding for the events specified in [a new condition].</u></p> <p><u>c) The bridges and all associated works must be designed, constructed and maintained to avoid causing increases to scouring or aggradation for the events specified in [a new condition].</u></p> <p><u>d) The bridges and all associated works must be designed, constructed and maintained to avoid causing increases to the duration of flooding for the events specified in [a new condition].</u></p>

Commented [RC34]: See feedback to RBS1(a).

Condition Number	Condition
	<p><del>e)</del> <u>The culverts and all associated works must be designed achieve the freeboard requirements of Waka Kotahi's Bridge Manual.</u></p> <p><del>b)</del> Fish passage must be provided in accordance with Condition RFE2.</p>
RWB2	<p><b>Works in the bed of water bodies standards</b></p> <p>a) Activities authorised by these resource consents must not result in the discharge to water bodies of contaminants that are toxic to aquatic ecosystems.</p> <p>b) Except as provided for in clause (c), any materials, such as stockpiles, mounds, depressions, trees/vegetation, excavated material, holes or surplus materials; machinery or equipment (including temporary structures) must:</p> <ol style="list-style-type: none"> <li>i. not be stored in or on the bed of a water body; and</li> <li>ii. be removed within five (5) working days following the completion of works in that water body, including the removal of stockpiles from the floodplain;</li> </ol> <p>c) Clause (b) does not apply to the construction of bridges and permanent culverts that are to remain in situ.</p> <p>d) Any uncured concrete placed in or near the water body must be controlled in a manner that no concrete or cement leaches out and enters the water body. Such measures may include, but will not be limited to:</p> <ol style="list-style-type: none"> <li>i. working during low flow conditions; and</li> <li>ii. containing new concrete in watertight boxing.</li> </ol> <p>e) New concrete or mortar must not be exposed to the flow of water for at least forty-eight hours from completion of pouring.</p> <p>f) Except where the Regional Council provides prior written advice that specified works can proceed, works in the bed of a stream or river must only commenced where there is at least four (4) days of settled weather forecast by the New Zealand Meteorological Service for that water body's catchment.</p> <p>g) Remediation of erosion, scour or instability of the water body bed or banks that is attributable to the construction works authorised by these resource consents must be undertaken within ten (10) working days or as soon as practicable.</p>
RWB3	<p><b>Natural character planting</b></p> <p>a) <del>Subject to landowner agreement where the planting is on private property, n</del>Natural character planting on the Planting Concept Plans: Indicative Typology and the Planting Concept Plans: RMA Purpose Type included in the 'Notices of Requirement for a Designation and Application for Resource Consents' dated 1 November 2022 'Volume III Drawings and Plans':</p> <ol style="list-style-type: none"> <li>i. must be undertaken: <ol style="list-style-type: none"> <li>A. <del>where practicable</del>, prior to commencement of construction activities; or</li> <li>B. as soon as construction works are completed in the area and seasonal conditions are appropriate; and</li> <li>C. within eighteen (18) months of the Project being open for public use.</li> </ol> </li> <li>ii. Natural character planting must be implemented, <del>monitored</del>, maintained, <del>monitored</del> and replaced to achieve a 90% survival rate and 80% canopy coverage of the ground at five (5) years following the date that initial planting commenced; and</li> <li>iii. consist of <u>native</u> plant material sourced from the rohe in which it is to be planted or be otherwise sourced from the ecological district of the site.</li> </ol>

Condition Number	Condition
	<p><u>b) For Natural Character planting that is identified on [a new plan] as essential for establishing new habitat linkages for native flora and fauna, that occur on private property, works shall not commence until landowner agreement is sorted per condition REM13.</u></p>

## SCHEDULE 1: Referenced drawings

Drawing included in 'Notices of Requirement for a Designation' dated 1 November 2022 'Volume III Drawings and Plans'	Condition Reference
Planting Concept Plans: Indicative Typology	DLV1, RWB3
Planting Concept Plans: RMA Purpose Type	DLV1, RWB3
Ecology Plans	RCM4, RTE1, RTE3, RTE4, RTE5, RTE6, RTE7, REM8
Stormwater: Drainage Layout Plans	RCM4
Stormwater: Catchment Culvert, Swale and Pond/Wetland Schedule	RFE2
Stormwater: Typical Details Swales and Open Channels	REM11
Accommodation Works Plans	RWT1



## SCHEDULE 2: Objectives and content of the Construction Environmental Management Plan

Objective	Related Conditions/Standards	Minimum Content				
<b>Construction Environmental Management Plan</b>						
<p>The objective of the Construction Environmental Management Plan is to set out measures that must be implemented to comply with the conditions of the designations and resources consents (as relevant) to appropriately remedy or mitigate, offset or compensate for adverse effects of construction activities.</p>	<p>DCM1, RCM4, RCM5</p>	<p>The Construction Environmental Management Plan must include the management plans set out in Table SCH2-1:</p> <p style="text-align: center;"><b>Table SCH2-1: Management Plans included in the Construction Environmental Management Plan</b></p> <table border="1" data-bbox="678 722 1641 906"> <thead> <tr> <th data-bbox="678 722 1144 810">Where the Construction Environmental Management Plan is provided as part of an outline plan to a District Council</th> <th data-bbox="1144 722 1641 810">Where the Construction Environmental Management Plan is provided for information to a Regional Council (with sub-plans being certified)</th> </tr> </thead> <tbody> <tr> <td data-bbox="678 810 1144 906">           Construction Noise and Vibration Management Plan            Construction Traffic Management Plan         </td> <td data-bbox="1144 810 1641 906">           Ecology Management Plan (certified)            Erosion and Sediment Control Plan (certified)            Construction Air Quality Management Plan (certified)         </td> </tr> </tbody> </table> <p>c) The Construction Environmental Management Plan must include, but not be limited to:</p> <ol style="list-style-type: none"> <li>i. the roles and responsibilities of Project personnel and contractors, including a key contact person for the Councils and the details for emergency contact personnel who must be contactable twenty-four (24) hours, seven (7) days a week;</li> <li>ii. the requirements of:             <ol style="list-style-type: none"> <li>A. the Waka Kotahi 'Environmental and Social Responsibility Policy' (2011);</li> <li>B. the relevant rules and associated standards and/or terms included in the District Plans and Regional Plans;</li> <li>C. the conditions of the designations and resource consents; and</li> <li>D. constraints or restrictions imposed by other authorisations or permissions.</li> </ol> </li> <li>iii. a description of the Project, including:             <ol style="list-style-type: none"> <li>A. the programme for, and staging of, construction activities;</li> </ol> </li> </ol>	Where the Construction Environmental Management Plan is provided as part of an outline plan to a District Council	Where the Construction Environmental Management Plan is provided for information to a Regional Council (with sub-plans being certified)	Construction Noise and Vibration Management Plan Construction Traffic Management Plan	Ecology Management Plan (certified) Erosion and Sediment Control Plan (certified) Construction Air Quality Management Plan (certified)
Where the Construction Environmental Management Plan is provided as part of an outline plan to a District Council	Where the Construction Environmental Management Plan is provided for information to a Regional Council (with sub-plans being certified)					
Construction Noise and Vibration Management Plan Construction Traffic Management Plan	Ecology Management Plan (certified) Erosion and Sediment Control Plan (certified) Construction Air Quality Management Plan (certified)					

Objective	Related Conditions/Standards	Minimum Content
		<ul style="list-style-type: none"> <li>B. the location of site infrastructure including material supply and disposal sites, fencing, site offices, site amenities, temporary lighting, contractors' yard access, equipment unloading and storage areas;</li> <li>C. the design and management specifications for all earthworks on-site, include material supply sites and disposal sites and the source of any imported material;</li> <li>D. the approach to the management of any waste materials, taking into account the waste management hierarchy to reduce, re-use, recycle and recover, along with responsible disposal of residual waste.</li> <li>iv. a description of training requirements for all site personnel including kaitiaki, employees, sub-contractors and visitors;</li> <li>v. Project complaints management measures in accordance with Conditions DCE3 and RCM2;</li> <li>vi. the requirements for compliance monitoring, environmental reporting and environmental auditing;</li> <li>vii. environmental incident and emergency management procedures;</li> <li>viii. an archaeological discovery protocol consistent with Conditions DAH1 and RAH1 or any archaeological authority granted under section 48 of the Heritage New Zealand Pouhere Taonga Act 2014;</li> <li>ix. methods for reviewing, amending, augmenting and updating the Construction Environmental Management Plan consistent with Conditions DGA6 and RCM6; and</li> <li>x. when the Construction Environmental Management Plan is provided for information to a Regional Council, an 'At Risk' or 'Threatened' flora and fauna discovery protocol consistent with Condition REM5.</li> </ul>
<b>Construction Noise and Vibration Management Plan</b>		
<p>To set out measures for the development and implementation of the Best Practicable Option for the management and minimisation of noise and vibration effects</p>	<p>DNV1, DNV2 and DNV3</p>	<p>The Construction Noise and Vibration Management Plan must be prepared in general accordance with the requirements of Annex E2 of NZS 6803:1999 and must include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a) the construction noise and vibration criteria that apply;</li> <li>b) a description of the construction activities, including anticipated equipment and processes;</li> <li>c). a description of the likely construction noise and vibration anticipated as a result of construction activities, including tools for on-site predictions of noise and vibration;</li> <li>d) the hours of operation, including times and days when activities causing noise and/or vibration would occur;</li> <li>e) identification of PPFs where noise and vibration criteria apply including mapped areas;</li> </ul>

Objective	Related Conditions/Standards	Minimum Content
		<ul style="list-style-type: none"> <li>f). a description of construction equipment operator training procedures and expected construction site behaviours that are to be used to minimise construction noise and vibration (including through the procurement of equipment);</li> <li>g) a description of noise or vibration suppression devices to be used on equipment or processes;</li> <li>h). where any noise or vibration criteria is predicted, or measured, to be exceeded, a schedule setting out the mitigation and controls required to minimise effects as far as practicable;</li> <li>i_ methods and frequency for monitoring and reporting on construction noise and vibration;</li> <li>j) methods to monitor and respond to any effects of construction vibration at the dwelling, known as 'Ashleigh', located at 1024 Queen Street East where the design and implementation of this monitoring is undertaken in conjunction with a suitably qualified and experienced conservation architect.</li> <li>k) reference to the procedures for maintaining contact with stakeholders; notifying of proposed construction activities; and handling noise and vibration complaints included in the Communications Plan and complaints management procedure set out in Condition DCE3.</li> <li>l) The process for providing information and records of monitoring to the District Council.</li> </ul>
<b>Construction Traffic Management Plan</b>		
<p>The objective of the Construction Traffic Management Plan is to manage property access, construction traffic and safety for all road users associated with construction on a Project wide scale.</p>	<p>DCT1, DNV1, DNV2</p>	<p>The Construction Traffic Management Plan must be consistent with the Waka Kotahi '<i>Code of Practice for Temporary Traffic Management</i>' (November 2012) and must include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a) the numbers, frequencies, routes and timing of traffic movements associated with construction activities;</li> <li>b) the location and management of site access routes and access points for heavy vehicles;</li> <li>c) the measures to minimise the effects of heavy vehicles passing through communities on local roads, including avoidance of heavy construction traffic passing through communities on local roads at night other than oversized loads and essential deliveries;</li> <li>d) the maintenance of the current provision for pedestrian and cyclists;</li> <li>e) the measures to provide on-going vehicle access to private and adjacent properties, including by forming new permanent accesses at the earliest opportunity;</li> <li>f) the management approach to loads on heavy vehicles, including: <ul style="list-style-type: none"> <li>i. covering loads of fine material;</li> </ul> </li> </ul>

Objective	Related Conditions/Standards	Minimum Content
		<ul style="list-style-type: none"> <li>ii. the timely removal of any material deposited or spilled on public roads;</li> <li>iii. limiting or minimising haul distances on public roads.</li> <li>g) construction vehicle management and maintenance procedures, including the               <ul style="list-style-type: none"> <li>i. approaches to maintenance and use of construction vehicles in order to limit exhaust emissions;</li> <li>ii. the provision of effective noise suppression devices for engine brakes;</li> <li>iii. the management of dust generated from construction vehicles on unsealed surfaces; and</li> <li>iii. the management of the use of tonal beepers.</li> </ul> </li> </ul>
<b>Ecology Management Plan</b>		
See Schedule 7		
<b>Erosion and Sediment Control Plan</b>		
See Schedule 8		
<b>Construction Air Quality Management Plan</b>		
<p>The purpose of the Construction Air Quality Management Plan is to set out the methods and procedures to achieve the standards, required by, Condition RAQ1 and to avoid, remedy or mitigate potential adverse</p>	<p>RAQ1, RAQ2 and REW2</p>	<p>The Construction Air Quality Management Plan must include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a) <u>A description of the construction works as they relate to potential effects on air quality;</u></li> <li>b) <u>Environmental purposes and key performance indicators of the CAQMP;</u></li> <li>c) <u>Identification and characterisation of air contaminants and potential emissions sources associated with the works (including dust, odour and engine emissions);</u></li> <li>d) <u>A description of the environmental setting of the works, and local meteorological conditions;</u></li> <li>ae) methods and procedures to manage dust as a result of construction activities, including triggers for the implementation of such measures, that may include:               <ul style="list-style-type: none"> <li>i. chemical stabilisation or suppression;</li> </ul> </li> </ul>

Objective	Related Conditions/Standards	Minimum Content
<p>effects of the discharge of odour and/or dust to air as a result of construction activities.</p>		<ul style="list-style-type: none"> <li>ii. revegetation of exposed surfaces;</li> <li>iii. the use of water;</li> <li>iv. the covering or otherwise enclosing of materials;</li> <li>v. approaches to the location and management of stockpiles;</li> <li>vi. methods and timeframes to stabilise earthworks;</li> </ul> <p><del>f)</del> <u>A monitoring plan as per RAQ2;</u></p> <p><del>bg)</del> the identification of triggers and contingency measures to address identified and verified adverse effects on sensitive receptors;</p> <p><del>eh)</del> procedures for assessing, mitigating and remedying the effects any odorous material that is discovered as a result of construction activities, including methods to:</p> <ul style="list-style-type: none"> <li>i. remove the material to reduce the exposure of odorous sources; and</li> <li>ii. mask the odour;</li> </ul> <p><del>ei)</del> procedures for responding to process malfunctions and accidental dust discharges;</p> <p><del>j)</del> <u>procedures for process equipment inspection, maintenance, monitoring and recording;</u></p> <p><del>k)</del> <u>Specific measures to identify and mitigate the potential for dust emissions to cause visibility effects on trains using the north island main trunk line;</u></p> <p><del>e)</del> reference to the complaints management procedures set out in Condition RCM2 and details of contingency measures to respond to complaints;</p> <p><del>fm)</del> reference to the construction vehicle management and maintenance procedures in the Construction Traffic Management Plan;</p> <p><del>gn)</del> methods for on-going visual dust monitoring, including the visual inspection of surfaces on neighbouring sites and the maintenance of records alongside observed weather conditions.</p> <p><del>ho)</del> methods to monitor and contingency measures to respond to effects of dust deposition:</p> <ul style="list-style-type: none"> <li>i. at the dwelling, known as 'Ashleigh', located at 1024 Queen Street East where the design and implementation of this monitoring is undertaken in conjunction with a suitably qualified and experienced conservation architect; <del>and</del></li> <li>ii. at any rainwater collection tank that is used for drinking water purposes;</li> </ul>

Objective	Related Conditions/Standards	Minimum Content
		<p>iii. <u>on any vegetation on the margins of the habitats listed in Table RTE-7, for the purpose of compliance with RAQ1(d)–(e).</u></p> <p>p) <u>Roles and responsibilities for implementing the procedures and measures described in the CAQMP;</u></p> <p>p) <u>A quality assurance/quality control programme for the procedures and measures described in the CAQMP to ensure risks of air quality impacts are appropriately managed, including procedures for review, audit and update or procedures and measures described in the CAQMP.</u></p>
		<p><b><u>Stormwater Soakage Device Management Plan</u></b></p>
<p><u>The purpose of the Stormwater Soakage Device Management Plan is to set out the methods and procedures to achieve the standards, required by, Condition RSW1 and RSW2 and to avoid, remedy or mitigate potential adverse effects of the discharge of operational stormwater.</u></p>	<p><u>RSW1 and RSW2</u></p>	<p><u>The Stormwater Soakage Device Management Plan must include, but not be limited to:</u></p> <p>a) <u>A Design Report including description of all devices, a map of their locations, and key groundwater parameters for soakage devices, including:</u></p> <ul style="list-style-type: none"> <li>i. <u>Design loading rate (m3/s);</u></li> <li>ii. <u>Depth to groundwater (m);</u></li> <li>iii. <u>Soil infiltration rate (mm/hr);</u></li> <li>iv. <u>Shallow aquifer hydraulic conductivity (m/s);</u></li> </ul> <p>b) <u>Monitoring Plan, designed to confirm that groundwater mounding and consequent flooding of properties outside the designation area during operation of the consent is not occurring.</u></p>

## SCHEDULE 3: Objectives and content of the Muaūpoko Management Plan

Objective	Related Conditions/Standards	Minimum Content
<p>The objective of the Muaūpoko Management Plan is to manage the adverse effects of the construction and operation of the Ō2NL Project on the cultural values of Muaūpoko.</p>	<p>DTW3</p>	<p>The Muaūpoko Management Plan must include (but not be limited to):</p> <ul style="list-style-type: none"> <li>a) cultural protocols and procedures for cultural inductions;</li> <li>b) a description of specific monitoring activities to be undertaken, including:             <ul style="list-style-type: none"> <li>i. pre-construction survey and monitoring of taonga species and translocation;</li> <li>ii. earthworks oversight;</li> <li>iii. stream diversions; and</li> <li>iv. stream and terrestrial mitigation, offset and compensation areas (including site selection and ongoing involvement);</li> </ul> </li> <li>c) confirmation of the roles and responsibilities of personnel in respect of all clauses listed in this management plan.</li> <li>d) details of a 'Cultural Health Monitoring Framework';</li> <li>e) approaches to the collection, harvesting and reuse of taonga vegetation, including the removal of dead fauna;</li> <li>f) a kaitiakitanga plan to scope opportunities for participation in seed collection, planting, pest control, fencing and other kaitiakitanga opportunities;</li> <li>g) provision for narrative and cultural connections with the following places to be protected and uplifted (including by placement of signs for wayfinding) at:             <ul style="list-style-type: none"> <li>i. Pukehau;</li> <li>ii. Whakahoro;</li> <li>iii. Ohau awa;</li> <li>iv. Wai mārie and Arapaepae; and</li> <li>v. And the overarching narrative of ki uta ki tai;</li> </ul> </li> <li>h) provision for narrative and cultural connections with the following species to be protected and uplifted, including, but not limited to:             <ul style="list-style-type: none"> <li>i. Ngata;</li> <li>ii. Ngārara; and</li> </ul> </li> </ul>

Objective	Related Conditions/Standards	Minimum Content
		<ul style="list-style-type: none"> <li>iii. Raupō and harakeke;</li> <li>i) identification of opportunities for future access to provide for the ability for project iwi partners to sustainably harvest resources from their maunga and traditional harvesting grounds;</li> <li>j) a requirement for sharing of information on the location of any Puna are encountered as part of the construction activities;</li> <li>k) any other matters or measures to avoid or mitigate potential impacts on Muaūpoko values, customs and practices; and</li> <li>l) communications protocols and whānau engagement strategy.</li> </ul>



## SCHEDULE 4: Objectives and content of the Ngāti Raukawa ki te Tonga Management Plan

Objective	Related Conditions/Standards	Minimum Content
<p>The objective of the Ngāti Raukawa ki te Tonga Management Plan is to manage the adverse effects of the construction and operation of the Ö2NL Project on the cultural values of Ngāti Raukawa ki te Tonga.</p>	<p>DTW4</p>	<p>The Ngāti Raukawa ki te Tonga include (but not be limited to):</p> <ul style="list-style-type: none"> <li>a) cultural protocols and procedures for cultural inductions;</li> <li>b) a description of specific monitoring activities to be undertaken, including:             <ul style="list-style-type: none"> <li>i. pre-construction survey and monitoring of taonga species;</li> <li>ii. seed collection;</li> <li>iii. earthworks oversight;</li> <li>iv. stream diversions; and</li> <li>v. stream and terrestrial mitigation, offset and compensation areas (including site selection and ongoing involvement);</li> </ul> </li> <li>c) confirmation of the roles and responsibilities of personnel in respect of clauses (a) and (b);</li> <li>d) details of a 'Cultural Health Monitoring Framework';</li> <li>e) approaches to the collection, harvesting and reuse of taonga vegetation, including the removal of dead fauna and the management of disturbed soil that includes leaf litter;</li> <li>f) a kaitiakitanga plan to scope opportunities for participation in planting, pest control, fencing, fish surveys and/or transfer, species monitoring and translocation;</li> <li>g) provision for narrative and cultural connections with the following places to be protected and uplifted (including by placement of signs for wayfinding) at [locations to be confirmed]</li> <li>h) provision for narrative and cultural connections with the following species to be protected and uplifted, including, but not limited to:             <ul style="list-style-type: none"> <li>i. [to be confirmed];</li> </ul> </li> <li>i) a requirement to investigate the creation of a native ngāhere as part of the remediation/rehabilitation design of the proposed material supply on the southern bank of the Waikawa Stream (if it is used), and for that native ngāhere to include:             <ul style="list-style-type: none"> <li>i. mahi toi such as carved Pou, signage and planting;</li> <li>ii. rongoā and rākau harvest places; and</li> </ul> </li> </ul>

Objective	Related Conditions/Standards	Minimum Content
		<ul style="list-style-type: none"> <li>iii. recreational walking access to the Stream;</li> <li>iv. The new reserve should be named in a manner that is respectful of kaitiakitanga;</li> <li>j) identification of opportunities for future access to provide for the ability for Project Iwi Partners to sustainably harvest resources from their maunga and traditional harvesting grounds; and</li> <li>k) any other matters or measures to avoid or mitigate potential impacts on tangata whenua values, customs and practices.</li> <li>l) communications protocols and whānau engagement strategy.</li> </ul>

## SCHEDULE 5: Objectives and content of the Communications Plan

Objective	Related Conditions/Standards	Minimum Content
<p>The objective of the Communications Plan is to ensure that potentially affected parties are communicated with about ongoing design and construction management activities.</p>	<p>DCE1, DCE2, DCE3 and DCE4</p>	<p>a) The Communications Plan must include, but not be limited to:</p> <ul style="list-style-type: none"> <li>i. the details of the community liaison person or persons appointed under Condition DCE1, including the ways in which their contact details will be made accessible to all members of the community;</li> <li>ii. a list of stakeholders, organisations, businesses and residents who will be communicated with;</li> <li>iii. topics of communication, including but not limited to:               <ul style="list-style-type: none"> <li>A. proposed hours of construction activities where these are outside of normal working hours or on weekends or public holidays, including night-time heavy vehicle movements;</li> <li>B. proposed routes for construction vehicles, including the total number of vehicles, proportion of heavy vehicles and the times of day these routes will be used;</li> <li>C. the Project complaints management measures in accordance with Condition DCE3;</li> <li>D. any temporary traffic management measures, including disruption of, or changes to, pedestrian and cycling routes and the reinstatement of those routes;</li> <li>E. general conceptual design matters including but not limited to landscaping, rest areas, viewing points, and the shared use path;</li> <li>F. predicted noise levels and associated mitigations, including construction, temporary and on-going road-traffic noise and monitoring activities</li> <li>G. progress of construction activities relative to key project milestones and completion dates.</li> </ul> </li> <li>v. the communications platforms to be used, and the programme for their use, including:               <ul style="list-style-type: none"> <li>A. a Project website that is used for providing information to the public;</li> <li>B. the planned publication of newsletters, and associated newsletter delivery areas;</li> <li>C. Project information days, open days or other mechanisms to facilitate community engagement;</li> <li>D. newspaper advertising; and</li> </ul> </li> </ul>

Objective	Related Conditions/Standards	Minimum Content
		E. targeted notification and consultation with road user groups, business owners and operators and individual property owners and occupiers with premises/dwellings located within 100 metres of active construction activities, including identified PPFs.

## SCHEDULE 6: Methodology for revised assessment of visual effects

The methodology that applies to the revised assessment of visual effects from dwellings required by Condition DLV2 is as follows:

1. The assessment must be undertaken by a suitably qualified and experience person or persons.
2. The assessment must be consistent with the concepts, principles, and approaches in '*Te Tangi a te Manu – Aotearoa New Zealand Landscape Assessment Guidelines*' Tuia Pito Ora/New Zealand Institute of Landscape Architects, June 2022 and must:
  - a) assess effects from all dwellings within 400 metres of the proposed highway carriageway, except that in urban areas the assessment is to be limited to those dwellings on the highway edge of the urban area;
  - b) estimate effects using desk-top analysis and roadside observation;
  - c) describe the nature of the effect from each dwelling and assess its magnitude having regard to the following factors:
    - i. distance from the carriageway;
    - ii. apparent orientation of the dwelling;
    - iii. the nature of the highway in the relevant outlook;
    - iv. the extent of existing screening or softening by vegetation or buildings; and
    - v. the presence of elements in the foreground and middle-ground that contribute to depth perspective.
  - d) describe the magnitude of effect using the following seven-point scale.
 

Very low	low	low-mod	moderate	mod-high	high	very high
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  - e) For each dwelling, describe the effectiveness of mitigation that is described in the outline plan and adjust the assessment of the magnitude of effect to reflect the mitigation.

## SCHEDULE 7: Objectives and content of the Ecology Management Plan

Objectives	Related Conditions/ Standards	Minimum Content
<b>Ecology Management Plan</b>		
<p>The objective of the Ecology Management Plan is to address the potential adverse effects of the Ö2NL Project, including construction activities, on ecology and indigenous biological diversity values, including by achieving the standards in the relevant conditions of these resource consents.</p>	<p>RTE1, RTE2, RTE3, RTE4, RTE5, RTE6, RTE7, REM1, REM4, REM5, REM6, REM7, REM8, REM9, REM11, REM12, REM13, REM19</p>	<p>The Ecology Management Plan must include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a) the identification of key personnel, including their roles and responsibilities;</li> <li>b) a summary of the ecology, <del>and</del> indigenous biodiversity <u>and natural character</u> values of the Project Area and the potential adverse effects of the Project on these values;</li> <li>c) a summary of the approaches taken to the management of adverse effects on ecology, <del>and</del> indigenous biodiversity <u>and natural character</u> values;</li> <li>d) site staff induction procedures in respect of ecology, including measures to prevent the introduction of pest plants and pest animals;</li> <li>d) a description of consultation undertaken with the Project Iwi Partners and the Department of Conservation, including details of how the Ecology Management Plan responds to matters raised during consultation;</li> <li>e) approaches to the management of vegetation clearance through:             <ul style="list-style-type: none"> <li>i. vegetation clearance protocols that include demarcation, timing of clearance; and supervision requirements;</li> <li>ii. setbacks for the storage of sawdust, chip or mulch near water bodies;</li> <li>ii. procedures and timing for the direct transfer of raupō reedland, indigenous fernland (weltand), and rautahi sedgeland;</li> <li>iii. opportunities for the salvage and reuse of plant material and soils;</li> </ul> </li> <li>f) vegetation type, planting descriptions, outcomes and methods for establishments including:             <ul style="list-style-type: none"> <li>i. a planting guide that sets out:                 <ul style="list-style-type: none"> <li>A. the source of plants from the rohe or relevant ecological districts, including a propagation guide or, where this is not possible, a process</li> </ul> </li> </ul> </li> </ul>

Objectives	Related Conditions/ Standards	Minimum Content
		<p>to confirm alternative sources with the Project Iwi Partners and the Regional Council;</p> <ul style="list-style-type: none"> <li>B. plant specifications;</li> <li>C. species mix;</li> <li>D. nursery requirements;</li> <li>E. methods, plant numbers, spacing, density and timing of planting;</li> <li>F. approaches to livestock exclusion.</li> </ul> <ul style="list-style-type: none"> <li>ii. pest plant and animal management;</li> <li>iii. an establishment programme and performance targets;</li> <li>iv. planting monitoring and maintenance approach and timeline;</li> <li>v. the location and legal arrangements for the planted areas;</li> <li>vi. approaches to reducing the potential for bird strike from vehicles through plant species selection along the highway; and</li> <li>vii. opportunities for the participation of the community in planting.</li> </ul> <ul style="list-style-type: none"> <li>g) measures to manage the biosecurity requirements in Condition <b>RTE44 REM4</b>;</li> <li>h) the procedures for pre-construction avifauna surveys;</li> <li>i) approaches to the management of potential effects on indigenous birds specific to species and habitat type including:               <ul style="list-style-type: none"> <li>i. constraints on vegetation clearance;</li> <li>ii. deterrents;</li> <li>iii. exclusion zones;</li> <li>iv. supervision; and</li> <li>v. responses to accidental harm.</li> </ul> </li> <li>j) a description of the methodology for lizard survey, capture, transfer and release, including:               <ul style="list-style-type: none"> <li>i. the identification of habitats for survey;</li> <li>ii. protocols for lizard salvage prior to, and during, vegetation clearance; and</li> </ul> </li> </ul>

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		<ul style="list-style-type: none"> <li>iii. protocols for surveys post clearance in any location where more than ten (10) lizards are found;</li> <li>k) approaches to lizard injury and/or mortality;</li> <li>l) procedures for pre-construction survey capture and relocation to identified closest similar habitats of 'At Risk' or 'Threatened' indigenous invertebrate species as defined by the Department of Conservation New Zealand Threat Classification System, including the following 'Not Threatened' invertebrate species:               <ul style="list-style-type: none"> <li>i. <i>Wainuia (Wainuia urnula)</i>;</li> <li>ii. <i>Peripatus (Peripatoides novaezealandiae)</i>;</li> <li>iii. Auckland tree wētā (<i>Hemideina thoracica</i>)</li> <li>iv. Wellington tree wētā (<i>Hemideina crassidens</i>)</li> <li>v. Cave wētā (<i>Pleioplectron hudsoni</i>)</li> <li>vi. Stick insects (<i>Clitarchus</i> spp.).</li> </ul> </li> <li>m) A summary of offset and compensation actions to inform Ecology Offset Site Layout Plans, including specific monitoring and reporting requirements and incident reporting;</li> <li>n) the identification of areas, methods, targets and duration for pest plant and animal management;</li> <li>o) the Lizard Relocation Area Management Plan;</li> <li>p) the Freshwater Ecology Management Plan; and</li> <li>q) monitoring and reporting requirements.</li> </ul>
<b>Freshwater Ecology Management Plan</b>		
<p>The objective of the Freshwater Ecology Management Plan is to achieve the standards set out in Conditions RFE1, RFE2 and RFE4 and to avoid, remedy,</p>	<p>RFE1, RFE2 and RFE4</p>	<p>The Freshwater Ecology Management Plan must include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a) the identification of key personnel undertaking the implementation of the Freshwater Ecology Management Plan, including their roles and responsibilities;</li> </ul>



Objectives	Related Conditions/ Standards	Minimum Content
mitigate and offset adverse effects on freshwater ecology.		b) fish recovery protocols to provide procedures for the salvage and relocation of fish including opportunities for the Project Iwi Partners participate in the recovery and relocation of Taonga species; <u>c) identification of threatened and taonga species for each of the catchments;</u> <del>cd)</del> site-specific guidance of fish migration and spawning times; <del>de)</del> confirmation of culvert designs that provide fish passage; <del>ef)</del> approaches to on-line stream works that, where such works cannot be avoided: <ol style="list-style-type: none"> <li>i. provide temporary fish passage; and</li> <li>ii. manage the timing of works in respect of site conditions and to avoid peak fish migration and spawning seasons.</li> </ol> <del>fg)</del> approaches to stream creation and enhancement <u>including the creation of habitat complexity to replicate the natural stream morphological characteristics for the waterways in which works are to be undertaken;</u> <del>gh)</del> a programme of aquatic ecology monitoring that, for fine sediment and macroinvertebrate community data defines locations, methods and sampling frequency before, during and after construction; and <del>hi)</del> post-construction measurement and monitoring of fish passage parameters at culverts and through new stream reaches.
<b>Lizard Relocation Area Management Plan</b>		
The objective of the Lizard Relocation Area Management Plan is to describe the approach to the establishment and management of the Lizard Relocation Area required by Condition REM10.	RTE5 and REM10	A Lizard Relocation Area Management Plan must include, but not be limited to: <ol style="list-style-type: none"> <li>a) the vision and objectives, governance, stakeholders for the area,</li> <li>b) a description of the ecological values to be protected or enhanced;</li> <li>c) the specifications of the predator-proof fence construction, including access and recommended maintenance;</li> <li>d) details of pest animal and plant eradication methods, <u>including targets for eradication;</u></li> <li>e) details of monitoring for pest animal incursions; and</li> </ol>

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		f) details of habitat restoration and enhancement activities.

## SCHEDULE 8: Objective and content of the Erosion and Sediment Control Plan

Objective	Related Conditions/ Standards	Content
<b>Erosion and Sediment Control Plan</b>		
<p>The objective of the Erosion and Sediment Control Plan is to identify the overarching erosion and sediment control principles and procedures to be implemented to achieve compliance with the standards included in the related Conditions.</p>	<p>RES1, RES2, RES9 and RES10</p>	<p>The Erosion and Sediment Control Plan (including all appended sub-plans) must include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a) the identification of key personnel, including their roles, responsibilities, training and contact details;</li> <li>b) the overarching erosion and sediment control design standards and principles with reference to ‘<i>Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region</i>’ June 2016 Guideline Document 2016/005 Version 2;</li> <li>c) a general description of the stages of, and sequencing of, works;</li> <li>d) the approach to implementing, changing and decommissioning erosion and sediment control measures with reference to Site-Specific Erosion and Sediment Control Plans;</li> <li>e) the outcomes of consultation with the Project Iwi Partners;</li> <li>f) the overarching approach to monitoring, responses and corrective actions;</li> <li>g) procedures to change or update the ESCP and supporting documents;</li> <li>h) the following supporting documents:             <ul style="list-style-type: none"> <li>i. Chemical Treatment Plan;</li> <li>ii. Erosion and Sediment Control Monitoring Plan;</li> <li>iii. Dewatering Management Procedure;</li> <li>iv. Emergency Spill Response Procedure; and</li> <li>v. Stream Works Procedure;</li> <li>vi. Hazardous Substances Procedure.</li> </ul> </li> </ul>

Objective	Related Conditions/ Standards	Content
<b>Chemical Treatment Plan</b>		
The objectives of the Chemical Treatment Plan is to provide an approach for determining the effectiveness and dosing rates for chemical treatment to enhance the efficiency of erosion and sediment control measures	RES1 and RES9	The Chemical Treatment Plan must include, but not be limited to: <ol style="list-style-type: none"> <li>a methodology for testing and chemical treatment;</li> <li>a description of the flocculation system and when it is required;</li> <li>approaches to monitoring, maintenance, recordkeeping and reporting.</li> </ol>
<b>Erosion and Sediment Control Monitoring Plan</b>		
The objective of the Erosion and Sediment Control Monitoring Plan is to provide an approach to monitoring the efficiency and effectiveness of erosion and sediment control measures to achieve the standards in Conditions RES1 and RES9	RES1 and RES9	The Erosion and Sediment Control Monitoring Plan must include, but not be limited to: <ol style="list-style-type: none"> <li>a description of weather monitoring;</li> <li>approaches to regular and rain event site inspections;</li> <li>methodologies for water sampling, including in respect of spot monitoring required by Condition RES9;</li> <li>management responses to any exceedance of the performance targets in Condition RES1; and</li> <li>approaches to site auditing and requiring requirements including as part of the annual report and trigger event reporting.</li> </ol>
<b>Dewatering Management Procedure</b>		
The objective of the Dewatering Management Procedure is to provide methodology for dewatering to achieve the standards in Condition RGW1.	RES1 and RGW1	The Dewatering Management Procedure must include, but not be limited to, a description of procedures for undertaking dewatering activities.

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Objective	Related Conditions/ Standards	Content
<b>Emergency Spill Response Procedure</b>		
The objective of the Emergency Spill Response Procedure is to establish procedures to manage accidental chemical and oil spills.	RCM4 and RES1	The Emergency Spill Response Procedure must include, but not be limited to: <ul style="list-style-type: none"> <li>a) approaches to preventing fires, explosions and chemical or oil spills;</li> <li>b) responses to fires, explosions and chemical or oil spills;</li> <li>c) details of emergency contacts.</li> </ul>
<b>Stream Works Procedure</b>		
The objective of the Stream Works Procedure is to provide an approach for stream diversion and culvert installation to achieve compliance with Conditions RFE1, RFE2, RFE4, RWB1 and RWB2	RES1, RFE1, RFE2, RFE4, RWB1 and RWB2	The Stream Works Procedure must include, but not be limited to a methodology for undertaking stream diversions include the provision for fish passage.
<b>Hazardous Substances Procedure</b>		
The objectives of this HSP is to manage hazardous substances at the Project site to meet statutory requirements and to avoid potential adverse effects on the environment and health and safety of people.	RCM4 and RES1	The HSP must include, but not be limited to: <ul style="list-style-type: none"> <li>a) the identification of key personnel, including their roles, responsibilities;</li> <li>b) hazardous substances register and recordkeeping procedures;</li> <li>c) approaches to the storage of hazardous substances;</li> <li>d) refuelling procedures;</li> <li>e) approaches to concrete works.</li> </ul>
<b>Site-Specific Erosion and Sediment Control Plans</b>		
The objective of Site-Specific Erosion and Sediment Control Plans is to put in place the Erosion and Sediment Control Plan by	RES1, RES2, RES5 and RES10	Site-Specific Erosion and Sediment Control Plans must be prepared in accordance with ' <i>Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region</i> ' June 2016 Guideline Document 2016/005 Version 2 or as

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<p>providing the design details for all erosion and sediment control measures to be implemented within a particular area.</p>		<p>otherwise required by the conditions of these resource consents and must include, but not be limited to, the following:</p> <ul style="list-style-type: none"> <li>a). contact details of the person or persons responsible for the Site-Specific Erosion and Sediment Control Plan;</li> <li>b). a description of the construction activities to be undertaken;</li> <li>c). a description of the outcomes of any consultation with the Project Iwi Partners;</li> <li>d). a site contour plan of a suitable scale to identify:               <ul style="list-style-type: none"> <li>i. the location of waterways;</li> <li>ii. the extent of soil disturbance.</li> <li>iii. any exclusion or buffer area where works will not occur;</li> <li>iv. areas of cut and fill ;</li> <li>v. locations of topsoil and cleanfill stockpiles;</li> <li>vi all key erosion and sediment control structures;</li> <li>vii the boundaries and areas of catchments contributing to all stormwater impoundment structures; and</li> <li>viii any other relevant site information; the design criteria, calculations and dimensions of all key erosion and sediment control structures;</li> </ul> </li> <li>e). construction timetable for the erosion and sediment control works and the bulk earthworks proposed, including any staging proposed;</li> <li>f). a detailed methodology for any stream works and culvert installation, including sizing calculations and drawing of stream diversions; and</li> <li>g). temporary and permanent stabilisation methodologies.</li> </ul>