

30. Proposed resource consent conditions

30.1 Guide to reading the conditions

The proposed suite of conditions to manage effects of the Project has been numbered in order to eliminate confusion, specifically to avoid multiple 'Condition 1' and so forth. The numbering format is as follows:

Set of proposed conditions	Numbering format
NZTA resource consent conditions	G.1., G.2. and so on - General conditions which are proposed to apply to all the regional consents
	E.1., E.2. and so on - Earthworks conditions
	S.1., S.2. and so on - global streamworks for construction
	WS.1., WS.2. and so on - works in streams
	Duck.1., Duck.2. and so on - permit for removal and replacement of perched culverts in Duck Creek
	CBP.1., CBP.1. and so on - discharge permits for concrete batching plant
PCC resource consent conditions	PCC.G.1., PCC.G.2. and so on - General conditions which are proposed to apply to all the regional consents
	PCC.E.1., PCC.E.2. and so on - Earthworks conditions
	PCC.WS.1., PCC.WS.2. and so on - works in streams (Duck Creek)

30.2 Proposed NZTA resource consent conditions

30.2.1 Abbreviations for all consents

AEE	Transmission Gully Project Assessment of Effects on the Environment Volumes 1 to 5 dated August 2011
CEMP	Construction Environmental Management Plan
Commencement of Works	means the time when the works that are the subject of these consents commence
AEE	Transmission Gully Project Assessment of Effects on the Environment
CEMP	Construction Environmental Management Plan

Commencement of Works	means the time when the works that are the subject of these consents commence
GWRC	Wellington Regional Council
Heavy rainfall event	15mm of rain per hour at any of the rain gauges monitored for the Project
KCDC	Kapiti Coast District Council
The Manager	means the Manager, Consents Management, Wellington Regional Council or nominated GWRC staff or contractor appointed to act on the Manager's behalf
PCC	Porirua City Council
Project	means the construction, maintenance and operation of the Transmission Gully Main Alignment and/or the Kenepuru Link Road
RMA	Resource Management Act 1991
Stabilised	means inherently resistant to erosion or rendered resistant, such as by using indurated rock or by the application of basecourse, grassing, mulch, or another method to the reasonable satisfaction of the Manager. Where seeding or grassing is used on a surface that is not otherwise resistant to erosion, the surface is considered stabilised once, on reasonable visual inspection by the Manager 80% vegetative ground cover has been established.
Stage	means a stage of the Project as nominated by the contractor and agreed with the Greater Wellington Regional Council
UHCC	Upper Hutt City Council
WCC	Wellington City Council
Work	means any activity or activities undertaken in relation to the Project

30.2.2 Advice Notes

- A. Where there may be contradiction or inconsistencies between the application and further information provided by the applicant, the most recent information applies. In addition, where there may be inconsistencies between information provided by the applicant and conditions of the consent, the conditions apply.
- B. Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to Section 127 of the Resource Management Act 1991.

The following “G” conditions are General Conditions that are applicable to all consents and permits sought. Additional specific conditions follow for each consent/permit sought.

Reference	Proposed condition
G.1	<p>The Project shall be undertaken in general accordance with the plans and information submitted with the application as documented as consent numbers [INSERT GWRC REFERENCE NUMBERS HERE], subject to such amendments as may be required by the following conditions of consent.</p> <p>The plans and information include:</p> <ul style="list-style-type: none"> (i) Consent applications dated [INSERT DATES HERE] (ii) Documents [INSERT DATES HERE] (iii) Plans [INSERT FINAL PLAN REFERENCES HERE]
G.2	<p>Subject to the consent holder holding or obtaining appropriate property rights to enable it to do so, the consent holder shall permit the servants or agents of the GWRC to have access to relevant parts of the respective properties at all reasonable times for the purpose of carrying out inspections, surveys, investigations, tests, measurements and/or to take samples.</p>
	Pre- construction administration conditions
G.3	<p>At least 20 working days prior to commencement of any Stage the consent holder shall arrange a pre-construction site meeting between the GWRC and any other relevant party nominated by the GWRC, including the primary contractor.</p> <p>In the case that any of the invited parties, other than the representative of the consent holder, does not attend this meeting, the consent holder will have complied with this condition, provided the invitation requirement is met.</p>
G.4	<p>Prior to the commencement of construction Work, the consent holder and the GWRC (and or their agreed representative(s) who have authority to make decisions regarding consent compliance), shall meet and decide upon a suitably qualified or experienced person or persons who shall fulfil the role of compliance officer for the Project.</p> <p>The agreed person’s responsibilities shall include:</p> <ul style="list-style-type: none"> a) Pre-commencement site meeting(s) with contractors; b) Regular scheduled compliance inspections to meet the requirements of regional consents [INSERT GWRC REFERENCE NUMBERS HERE]; c) Spot compliance checks before and/or after forecast extreme weather events; d) Collection, collation and filing of any required monitoring and compliance reports; and e) Enforcement action under the provisions of the RMA in the event of a non-compliance. <p>This person may be a Council employee, or may be an independent person agreed between the consent holder and the GWRC as an Independent Professional Advisor.</p> <p>The actual and reasonable costs of this person exercising these responsibilities shall be recoverable from the consent holder (refer to Condition G.5).</p>
G.5	<p>The GWRC shall be entitled to recover from the consent holder the actual and reasonable costs of the conduct of any review, calculated in accordance with and limited to the Council’s scale of charges in-force and applicable at that time pursuant to Section 36 of the Resource Management Act 1991</p>
G.6	<p>The consent holder shall ensure that a copy of this consent and all documents and plans referred to in this consent, are kept on site at all times and presented to any GWRC officer on request.</p>
	Review condition
G.7	<p>The Manager may review any or all conditions of this consent by giving notice of their intention to do so pursuant to Section 128 of the Resource Management Act 1991, at any time within six months of the first, third and fifth anniversaries of the date of commencement of this consent for any of the following purposes:</p> <ul style="list-style-type: none"> a) To deal with any adverse effects on the environment, which may arise from the exercise of this consent, and which it is appropriate to deal with at a later stage; and

Reference	Proposed condition
	b) To review the adequacy of any monitoring plans proposed and/or monitoring requirements so as to incorporate into the consent any monitoring or other requirements which may become necessary to deal with any adverse effects on the environment arising from the exercise of this consent.
	Staging and programme conditions
G.8	If the Work is to be staged, the consent holder shall prepare a staging plan prior to the commencement of that Work, and shall provide written notification of the commencement of the Work in each Stage to the GWRC, at least ten working days prior to that Work commencing in each area.
G.9	The consent holder shall provide the Manager with an updated schedule of construction activities for the Project at monthly intervals throughout the construction phase of the Project.
	Management plans
G.10	All works shall be carried out in general accordance with the management plans required by these conditions.
G.11	The consent holder may request amendments to any of the management plans required by these conditions by submitting the amendments in writing to the Manager for approval prior to any changes taking effect.
	Construction Environmental Management Plan
G.12	<p>Prior to the commencement of any Stage which involves activities authorised by this consent, the consent holder shall submit a Construction Environmental Management Plan or Plans ("CEMP") to the Manager for review and certification. Among other things, the CEMP(s) is to confirm that the proposed construction methodology for the Stage complies with Condition G.1 of this consent and to demonstrate how other conditions of this consent have been or will be complied with. The CEMP(s) shall be prepared in relation to the relevant Stage.</p> <p>The purpose of the CEMP is to confirm final project details, staging of Work, and detailed engineering design to seek to ensure that the Project remains within the limits and standards approved under this consent and that the construction and operation activities avoid, remedy or mitigate adverse effects on the environment in accordance with the conditions of this consent. The CEMP shall provide details of the responsibilities, reporting frameworks, coordination and management required for project quality assurance; final detailed design; construction methodologies; timeframes and monitoring processes and procedures. Works shall not commence on a Stage until the consent holder has received the Manager's written approval for the CEMP(s) for that Stage.</p> <p>A CEMP shall include but need not be limited to:</p> <p><u>(1) Quality Assurance</u></p> <p>A Quality Assurance section which shall include management frameworks, systems and procedures for quality management of all on-site activities and compliance with the conditions of this designation. Among other matters this section shall provide details of the following:</p> <ol style="list-style-type: none"> Name, qualifications, relevant experience and contact details of an appropriately qualified and experienced project manager, who shall be responsible for overseeing compliance with the CEMP; Names, qualifications, relevant experience, and methods for contacting principal staff employed on the relevant part of the Project, along with details of their roles and responsibilities; Methods and systems to inform and train all persons working on site of potential environmental issues and how to comply with conditions of the consent; Systems and processes whereby the public are informed of contact details of the project manager and principal staff identified above; Liaison procedures with the Council; and Communication protocols. <p><u>(2) Site Management</u></p>

Reference	Proposed condition
	<p>The Site Management section of the CEMP shall detail procedures to manage the relevant part of the Project throughout the entire construction process in a safe manner. This section shall provide details of the following (and may include other matters):</p> <ul style="list-style-type: none"> a) Details of the site access for all Work associated with construction of the part of the Project; b) Measures to be adopted to maintain the site in a tidy condition in terms of disposal/storage of rubbish, storage and unloading of building materials and similar construction activities; c) Location of workers' conveniences (e.g. portaloos); d) Procedures for controlling sediment run-off into the watercourses/streams, dust and the removal of soil, debris and construction materials from the watercourses/streams and riparian margins, and onto public roads or places (including identifying the location of wheel wash facilities); e) A contingency plan in the event that there is any unconsented discharge to watercourses/streams; f) Details of the storage of fuels and lubricants (which shall require that storage be bunded or contained in such a manner so as to prevent the discharge of contaminants from spillages); g) Details of the proposed maintenance of machinery and plant to minimise the potential for leakage of fuels and lubricants; h) Location of vehicle and construction machinery access and storage during the period of site works; i) Procedures for thoroughly cleaning all machinery of unwanted vegetation (e.g. weeds), seeds or contaminants prior to entering the site; j) Methods for the clear identification and marking of the construction zones including those which extend into watercourses; k) A methodology that prescribes the extent to which machinery can operate in the vicinity of watercourses so as to minimise disruption and damage to the watercourses and associated vegetation; l) Methods to manage public health and safety during the construction works, and notification to the public of temporary access restrictions to the immediate works area during the staged construction; m) Confirmation that no equipment or machinery will be cleaned, or refuelled in any part of any watercourses/streams, except as otherwise specifically provided for in the CEMP or an SSEMP; n) Procedures for removing all contaminants (e.g. fuel, hydraulic oils, lubricants etc) from the site at the end of the construction period, except for those required for ongoing maintenance of the road and operational activities; and o) Procedures for making any repairs to the adjacent road network required where any damage occurs as a direct result of the Project. <p><u>(3) Construction Programme and Methodology</u></p> <p>Notwithstanding Conditions G.8 and G.9 above, a Construction Programme which shall include a programme of works that seeks to enable the relevant part of the Project to be constructed in a manner that is timely, adequately co-ordinated and manages the adverse effects of construction on the environment in accordance with the conditions of this consent. This section shall, among other matters, provide details on the following:</p> <ul style="list-style-type: none"> a) A detailed staging programme and anticipated timetable for construction works during the relevant part of the Project; and b) A methodology to identify how earthworks will be staged during the relevant part of the Project to manage the effects of the Project on the Pauatahanui Inlet in accordance with this consent

Reference	Proposed condition
	Environmental management plans
G.13	<p>The management of key environmental effects associated with the construction phase of the Project shall be detailed within environmental management plans that are included in the appendices to the CEMP. This suite of management plans shall include:</p> <ol style="list-style-type: none"> Construction Air Quality Management Plan (CAQMP) – Condition G.14; Contaminated Land Management Plan (CLMP) – Condition G.15; Erosion and Sediment Control Plan (ESCP) – Condition E.4 and E.5; Chemical Treatment Plan (CTP) (i.e. flocculation) – Condition E.19; Ecological Management and Monitoring Plan (EMMP) – Condition E.24; Concrete Batching Plant Management Plan (CBMP) – Condition CBP.2.
G.14	<p>The CEMP shall include an updated version of the Construction Air Quality Management Plan which shall provide a methodology for managing the effects of dust generated by activities on site, and shall, as a minimum include:</p> <ol style="list-style-type: none"> Identification and implementation of dust suppression measures appropriate to the environment in which the Work is located, and the sensitivity of nearby receptors; and Identification of contingency measures to address identified and verified adverse effects on sensitive receptors. Contingency measures may include options such as: <ul style="list-style-type: none"> Cleaning of water tanks and replenishment of water supplies; Cleaning of houses Cleaning of other buildings and infrastructure.
G.15	<p>The CEMP shall include a Contaminated Land Management Plan which shall include information regarding:</p> <ol style="list-style-type: none"> The measures to be undertaken in the handling, storage and disposal of all contaminated material excavated during the construction works; The soil validation testing that will be undertaken; The soil verification testing that will be undertaken to determine the nature of any contamination in excavated spoil and the potential reuse or disposal options for that spoil; Measures to be undertaken in the event of unexpected contamination being identified during construction activities, including measures to: <ul style="list-style-type: none"> Assist with identification of unknown contaminated material; Stop work or isolate the area once any such material is identified; The measures to be undertaken to: <ul style="list-style-type: none"> Protect the health and safety of workers and the public; Control stormwater runoff and runoff; Remove or manage any contaminated soil; and The measures to be undertaken to: <ul style="list-style-type: none"> Identify any suspected asbestos; Identify the type of asbestos and confirm the appropriate means by which it shall be removed; Handle asbestos containing material. Implement appropriate health and safety measures to maintain the safety of workers and the public; and Remove the asbestos and dispose of it to an appropriately licensed facility. <p>These measures shall include appointment of a suitably qualified contractor to implement the asbestos identification and handling measures identified in the CLMP.</p>
G.16	<p>Should a heavy rainfall event occur or advance notice of an impending event be received the consent holder may undertake contingency measures not set out in any management plan, but only subject to the following conditions:</p> <ol style="list-style-type: none"> The measures must be for the express purposes of managing non-stabilised areas of earthworks or improving erosion and sediment controls in the catchments that drain to the Porirua Harbour,

Reference	Proposed condition
	<ul style="list-style-type: none"> b) Unless impracticable to do so, the consent holder must secure prior (oral or written) approval from the Manager for undertaking the measures, c) As soon as practicable following the undertaking of the measures, the consent holder must provide to the Manager written notice of the measures undertaken and amend the relevant Management plan(s) as may be appropriate to take account of the measures undertaken and submit the amended Management plan to the Manager for approval under Condition G.11.
	Archaeology
G.17	<p>The Requiring Authority, in consultation with, Te Runanga o Toa Rangatira Inc and the New Zealand Historic Places Trust, shall prepare an accidental discovery protocol to be implemented in the event of accidental discovery of cultural or archaeological artefacts or features during the construction of the Project. This protocol shall be submitted to the Manager at least 20 working days prior to any construction or enabling Work commencing under this consent on any part of the Project within the District. The protocol shall include, but not be limited to:</p> <ul style="list-style-type: none"> a) Training procedures for all contractors regarding the possible presence of cultural or archaeological sites or material, what these sites or material may look like, and the relevant provisions of the Historic Places Act 1993 if any sites or material are discovered; b) Parties to be notified in the event of an accidental discovery shall include, but need not be limited to Te Runanga o Toa Rangatira Inc, the New Zealand Historic Places Trust, the GWRC, the relevant District or City Council and the New Zealand Police (if koiwi are discovered); c) Procedures to be undertaken in the event of an accidental discovery (these shall include immediate ceasing of all physical works in the vicinity of the discovery); and d) Procedures to be undertaken before Work under this consent may recommence in the vicinity of the discovery. These shall include allowance for appropriate tikanga (protocols), recording of sites and material, recovery of any artefacts, and consulting with Te Runanga o Toa Rangatira Inc and the New Zealand Historic Places Trust prior to recommencing works in the vicinity of the discovery.
	Complaints
G.18	<p>During construction Work, the consent holder shall maintain a permanent record of any complaints received alleging adverse effects from, or related to, the exercise of this consent. The record shall include:</p> <ul style="list-style-type: none"> a) the name and address (as far as practicable) of the complainant; b) identification of the nature of the complaint; c) location, date and time of the complaint and of the alleged event; d) weather conditions at the time of the complaint (as far as practicable), and including wind direction and approximate wind speed if the complaint relates to air quality. e) the outcome of the consent holders investigation into the complaint; f) measures taken to seek to ensure that such a complaint does not occur again; and g) Any other activities in the area, unrelated to the project that may have contributed to the complaint, such as non-project construction, fires, traffic accidents or unusually dusty conditions generally. <p>The consent holder shall also keep a record of any remedial actions undertaken.</p> <p>This record shall be maintained on site and shall be made available to the Manager, upon request. The consent holder shall notify the Manager in writing of any such complaint within 5 working days of the complaint being brought to the attention of the consent holder.</p>
G.19	<p>The consent holder shall immediately notify the Manager if any contaminants (including sediment) or material are released in the undertaking of the Work and enters any watercourse due to any of the following:</p> <ul style="list-style-type: none"> a) discharges from non-stabilised areas that are not treated by erosion and sediment control measures required under this consent; and/or b) failure of any erosion and sediment control measures; and/or c) any other incident which either directly or indirectly causes, or is likely to cause,

Reference	Proposed condition
	<p>adverse ecological effects in any watercourse that is not authorised by a resource consent held by the consent holder.</p> <p>If any of these events occur, the consent holder shall:</p> <ol style="list-style-type: none"> a) establish control measures where these have failed or have not been implemented in accordance with the CEMP as soon as practicable; b) liaise with the Manager to establish what remediation or rehabilitation is required and whether such remediation or rehabilitation is practical to implement; c) carry out any remedial action as required by and to the satisfaction of the Manager; and d) maintain a permanent record of the incident at the site, which shall include the date and time of the incident, the nature, manner and cause of the release of the contaminants, weather conditions at the time of the incident and the steps taken to contain any further release and to remedy any adverse ecological effects on the watercourse. <p>A copy of this record shall be provided to the Manager within 5 working days of the incident being brought to the attention of the consent holder.</p>
	Consent lapse and expiry
G.20	Pursuant to section 125(1) of the Act, the consents referenced [INSERT GWRC REFERENCE NUMBERS HERE] shall lapse 15 years from the date of their commencement (pursuant to Section 116(5) of the Act) unless it has been given effect, surrendered or been cancelled at an earlier date.
G.21	Pursuant to section 123(c) of the Act, the consents referenced [INSERT GWRC REFERENCE DISCHARGE PERMIT AND WATER PERMIT NUMBERS HERE] shall expire 35 years from the date of their commencement (pursuant to Section 116(5) of the Act).

RC1 Land Use Consent – Earthworks

For approximately 6 million cubic metres of earthworks for the purpose of road construction over an area of approximately 170 hectares between Linden and MacKays Crossing including five fill sites, construction laydown areas and site compounds, and erosion and sediment control devices; and the associated removal of vegetation including plantation forestry.

RC2 Discharge Permit

To authorise the discharge of chemically treated sediment laden water to land that may enter water

RC3 Discharge Permit

To authorise the discharge of chemically treated sediment laden water to water

Reference	Proposed condition
	Earthworks limit conditions
E.1	Non-stabilised areas of earthworks authorised by this consent (whether of themselves or in combination with non-stabilised areas of earthworks authorised or by the consent granted to the PCC for earthworks [insert consent reference]) within the Pauatahanui Inlet watershed, shall be limited to not more than 40ha in total at any one time, and shall be further limited within the Duck Creek catchment, to not more than 14.25ha at any one time, unless otherwise agreed in writing with the Manager.
E.2	Non-stabilised areas of earthworks within the Onepoto Arm watershed shall be limited to not more than 17.25ha in total at any one time, unless otherwise agreed in writing with the Manager.
	Erosion and sediment control objectives
E.3	<p>During construction of the Project, the consent holder must achieve the following objectives as far as reasonably practicable:</p> <ul style="list-style-type: none"> (a) Minimise the overall non-stabilised earthworks footprint; (b) Use BPO to minimise non-stabilised earthworks in the areas where highly erodible colluvium is found in the Duck Creek, Upper Horokiri and Te Puka Stream catchments; (c) Use a staged construction programme to minimise areas of earthworks that are non-stabilised at any one time; (d) Stabilise completed areas of earthworks as soon as practicable and within one month of completion or ceasing Work in that area; (e) Divert clean run off away from non-stabilised earthworks areas; (f) Use BPO to design and install a variety of perimeter controls for the management of flows of water and sediment and sediment retention; (g) Achieve TSS removal efficiencies of at least 70% for all storm events with a less than 10 year ARI, as demonstrated by an agreed monitoring programme; (h) Design all emergency spillways to accommodate at least a 50 year ARI storm event peak flow; (i) Design all emergency spillways that are programmed to be in operation for more than one year to accommodate a 100 year ARI storm event peak flow; (j) Use dry and wet weather forecasting, monitoring and reporting, to ensure all

Reference	Proposed condition
	<p>practicable erosion and sediment control measures are put in place if a heavy rainfall event is forecast and manage the effects of weather on the erosion and sediment control measures;</p> <p>(k) Prepare for and manage environmental risks from heavy rainfall events; and</p> <p>(l) Use adaptive management principles to review and refine the erosion and sediment control and treatment measures used.</p>
	<p>Erosion and Sediment Control Plan and measures</p>
E.4	<p>For each Stage of Work, an Erosion and Sediment Control Plan (ESCP) shall be prepared and submitted a minimum of 20 working days prior to earthworks of the Stage commencing, for the certification of the Manager. Certification, shall be obtained prior to earthworks of the stage commencing.</p>
E.5	<p>The ESCPs shall as far as practicable meet the objectives in Condition E.3 and include, but not be limited to:</p> <p>(a) Contour information at suitable intervals;</p> <p>(b) Erosion and sediment control measures including specific pond design (including calculations supporting pond sizing)</p> <p>(c) Catchment boundaries for the erosion and sediment control measures;</p> <p>(d) Location of the Work, and cut and fill operations;</p> <p>(e) Details of construction methods to be employed, including timing and duration;</p> <p>(f) Design details including:</p> <ol style="list-style-type: none"> i. Contributing catchment area; ii. Retention volume of structure (dead storage and live storage measured to the top of the primary spillway); iii. Shape of structure (dimensions of structure); iv. Location of flood waters v. Safety and access vi. Position of inlets/outlets vii. Stabilisation of the structure; and viii. Maintenance. <p>(g) A programme for managing non-stabilised areas of earthworks, including progressive stabilisation considerations;</p> <p>(h) The identification of appropriately qualified and experienced staff to manage the environmental issues onsite;</p> <p>(i) The identification of staff who have clearly defined roles and responsibilities to monitor compliance with the Consent Conditions and ESCP;</p> <p>(j) Provision of details of a chain of responsibility for managing environmental issues and details of responsible personnel;</p> <p>(k) The establishment of a sediment control team (including representatives from the contractor, GWRC and the Consent Holder) to meet and review erosion and sediment control measures on a weekly basis, or at intervals as otherwise agreed;</p> <p>(l) Approach and procedures for ensuring advance warning of a heavy rainfall event and for the management of such an event including systems of advance warning, arrangements for communications with the GWRC and other relevant authorities, and for the monitoring and treatment of non-stabilised areas of earthworks and erosion and sediment control measures, and for reporting to GWRC following any</p>

Reference	Proposed condition
	such event; and (m) Methods and procedures to be undertaken for decommissioning of erosion and sediment control measures.
E.6	Erosion and sediment control measures shall be constructed and maintained in accordance with the NZTA's <i>Draft Erosion and Sediment Control Standard for State Highway Infrastructure</i> and <i>Draft Field Guide for Contractors</i> ; (and any amendments to that document), except where a higher standard is detailed in the ESCP referred to in Condition E.5 above, in which case the higher standard shall apply.
E.7	Prior to any earthworks commencing, a certificate signed by an appropriately qualified and chartered professional engineer shall be submitted to GWRC to certify that the erosion and sediment control measures have been constructed in accordance with the ESCP as specified in Condition E.5 of this consent.
E.8	A copy of the "as-built(s)" and the certified ESCPs shall be kept on site, and all erosion and sediment control measures (including staging boundaries and particularly the extent of exposed areas) shall be updated as soon as practicable as changes are made. As-built plans shall be accompanied by text detailing the relevant earthworks methodology, constraints and likely progressions, and shall (in general accordance with the ESCPs) be revised as required to enable clear interpretation as to the day to day operation and management of erosion and sediment control measures.
E.9	All necessary perimeter controls shall be operational before earthworks (or relevant stage of earthworks) begin.
E.10	The consent holder shall seek to ensure that procedures are adopted to prevent the deposition of slurry, clay or other materials on the roads by vehicles leaving the site where such material is liable to cause a nuisance or hazard. Should the exercise of this Consent result in material being deposited on the road that causes or is liable to cause a nuisance or hazard, that material shall be removed immediately to the satisfaction of the Manager.
E.11	No sediment retention ponds, chemical treatment systems or perimeter controls shall be removed or decommissioned before the entire area is stabilised, unless such removal and decommissioning is in accordance with the CEMP or a SSEMP.
E.12	All 'cleanwater' runoff from stabilised surfaces, including catchment areas above the site, shall be diverted away from earthwork areas via a stabilised system, so as to prevent surface erosion.
	Incidents
E.13	<p>During construction Work, the consent holder shall maintain a permanent record of any incidents alleging adverse effects from, or related to, the exercise of this consent. The record shall include:</p> <ul style="list-style-type: none"> (a) identification of the nature of the incident; (b) location, date and time of the incident; (c) weather conditions at the time of the incident (as far as practicable). (d) the outcome of the consent holders investigation into the incident; (e) measures taken to seek to ensure that such an incident does not occur again; and (f) Any other activities occurring in the area that are unrelated to the project and that may have contributed to the incident. <p>This record shall be maintained on site and shall be made available to the Manager, upon request. The consent holder shall notify the Manager in writing of any such complaint within 5 working days of the complaint being brought to the attention of the consent holder.</p>
	Erosion and sediment control monitoring
E.14	<p>The Consent Holder shall carry out monitoring in accordance with the approved ESCP and shall maintain records detailing:</p> <ul style="list-style-type: none"> (a) The location of the monitoring undertaken; (b) The time and date the monitoring was undertaken;

Reference	Proposed condition
	<p>(c) The weather conditions at the time of monitoring;</p> <p>(d) The performance criteria measured</p> <p>(e) The erosion and sediment controls that required maintenance;</p> <p>(f) The maintenance actions which were completed; and</p> <p>(g) The time when the maintenance was completed; and</p> <p>(h) Areas of non-compliance with the ESCP and the Chemical Treatment performance monitoring plan (if any), the reasons for the non-compliance and any action taken to remedy the non-compliance (if any).</p> <p>This information shall be made available to the GWRC upon request.</p>
E.15	<p>The Consent Holder shall carry out Sediment Retention Device monitoring during heavy rainfall trigger events in accordance with the approved ESCP and agreed performance criteria, shall maintain records detailing:</p> <p>(a) The location of the Sediment Retention Device;</p> <p>(b) The time and date the monitoring was undertaken;</p> <p>(c) The weather conditions at the time of monitoring;</p> <p>(d) The event based performance criteria measured; including but not limited to;</p> <ol style="list-style-type: none"> i. Inlet turbidity; flow; particle size, pH ii. Outlet turbidity; flow; particle size, pH iii. pH of pond iv. Free Aluminium (Al³⁺) <p>(e) The performance of the sediment retention devices with agreed event based performance criteria;</p> <p>(f) The maintenance actions which were completed; and</p> <p>(g) The time when the maintenance was completed; and</p> <p>(h) Areas of non-compliance with the ESCP and the Chemical Treatment Plan (as relevant) and the reasons for the non-compliance.</p> <p>This information shall be made available to the GWRC upon request.</p>
E.16	<p>The Consent Holder shall carry out Erosion Control Device monitoring in accordance with the approved ESCP and agreed performance criteria, shall maintain records detailing:</p> <p>(a) The location of the Erosion Control Device;</p> <p>(b) The time and date the monitoring was undertaken;</p> <p>(c) The weather conditions at the time of monitoring;</p> <p>(d) The performance criteria measured; including but not limited to;</p> <ol style="list-style-type: none"> i. Loss of cover material ii. Erosion across protected slopes <p>(e) The performance of the Erosion Control Devices with agreed performance criteria;</p> <p>(f) The maintenance actions which were completed; and</p> <p>(g) The time when the maintenance was completed; and</p> <p>(h) Areas of non-compliance with the ESCP and the Chemical Treatment Plan (as relevant) and the reasons for the non-compliance.</p> <p>This information shall be made available to the GWRC upon request.</p>
	Construction Environmental Management Plan – additional requirements
E.17	In addition to the requirements in the General Conditions, the CEMP shall have regard to

Reference	Proposed condition
	<p>the following rehabilitation principles:</p> <ul style="list-style-type: none"> (a) To identify and give particular attention to high cuts that will be visible from dwellings and public open space in order to quickly reduce any visual effects. (b) For the engineer, ecologist and landscape architect to work together to design the final shape of, and re-vegetation proposals for, earthworks and rock cuts as part of the detailed design process. (c) To shape the finished cuts to emulate natural rock features and reduce where appropriate the creation of uniform linear features. This may include rolling back the top, ripping sections to create shaped corners, creating gully like features and scree-like slopes, etc. (d) To shape the finished cuts to provide areas of fractured rock that will provide microhabitats for native grasses, ferns and shrubs. (e) To shape the finished cuts to allow the deposition of soil in key areas so that tall shrubs can rapidly establish helping to break up the face. This can include benching, and bunding the toe of the cut when access track construction has been completed. (f) To vegetate cuts with plants equivalent to the slopes above and below the cut. <p>Explanatory Note: The CEMP provides an umbrella document that identifies the management processes and techniques to seek to ensure appropriate environmental management of the site. The preparation of and approval processes for the SSEMP's are undertaken in general accordance with the procedures outlined in the CEMP.</p>
	Chemical treatment (Flocculation)
E.18	All sediment retention ponds and devices shall be chemically treated in accordance with the CTP required under Condition E.19 of this consent.
E.19	<p>Prior to the commissioning of chemical treatments for sediment management purposes, the Consent Holder shall provide GWRC with a Chemical Treatment Plan (CTP) for each stage of the works, or in association with a SSEMP, for confirmation by the Manager that it will achieve the standards set out in the ESCP required under Condition E.5.</p> <p>Each CTP shall be submitted to the Manager, for approval at least 20 working days prior to any flocculation works commencing within the relevant SSEMP.</p> <p>Each CTP shall include, but need not be limited to:</p> <ul style="list-style-type: none"> (a) Specific design details of the chemical treatment system; (b) Monitoring, maintenance (including post-storm) and contingency programme (including a Record Sheet); (c) Details of optimum dosage (including catchment specific soil analysis and assumptions); (d) Procedures for carrying out an initial treatment trial; (e) A spill contingency plan; (f) A performance monitoring plan for device performance for sediment treatment; and (g) Details of the person or bodies that will hold responsibility for long-term maintenance of the chemical treatment system and the organisational structure which will support the system.
	Site Specific Environmental Management Plans (SSEMPs)
E.20	The consent holder shall prepare, submit and implement a Site Specific Environmental Management Plan (SSEMP) for each stage or sub stage area set out in the staging plan required under the CEMP. The SSEMP shall be submitted to the Manager, for certification at least 20 working days prior to works commencing in each plan area. Suitably qualified environmental specialist(s) shall assist in the preparation of the SSEMPs.

Reference	Proposed condition
	<p>(a) Each SSEMP as far as practicable meet the objectives in Condition E.3 and shall be in general accordance with the CEMP and shall include, but need not be limited to:</p> <ul style="list-style-type: none"> i. a detailed design and construction methodology for all works within the area covered by the SSEMP; ii. details of any contractor appointed to carry out the works authorised by this consent, including the contractor's company, address, named representative and their contact details; iii. a detailed schedule of construction activities including the expected commencement date and duration of works in each location within the area covered by the SSEMP; iv. a staging of works to demonstrate that the area of disturbance will be kept to the minimum practicable; and v. evidence that a suitably qualified engineer has been appointed to carry out the overall design, supervision and certification of earthworks (including cut/fill batter stability and construction of all erosion and sediment controls). <p>(b) In respect of erosion and sediment control, the SSEMP shall be prepared in general accordance with the NZTA's <i>Draft Erosion and Sediment Control Standard for State Highway Infrastructure</i> and <i>Draft Field Guide for Contractors</i> and shall include, but not be limited to:</p> <ul style="list-style-type: none"> i. detailed design specifications of all earthworks within the SSEMP area, including disposal sites, and all erosion and sediment control measures to be implemented, including supporting calculations where appropriate; ii. the expected commencement dates for the implementation of erosion and sediment controls measures in the SSEMP area; iii. information regarding chemical treatment of the proposed sediment retention ponds and devices; iv. identification of innovative treatments for erosion control that are to be used; v. monitoring and maintenance schedules for all erosion and sediment control measures on a set frequency (at least weekly), or within 24 hours of each trigger rain event that is likely to impair the function or performance of the control measures; vi. a site plan showing contours at suitable intervals, cut and fill operations, the specific location of all sediment and erosion control measures, and catchment boundaries for the sediment controls; and vii. locating temporary stockpiles of excavated material at least 50m away from any ephemeral stream or permanent watercourse unless there is appropriate treatment of stormwater (which may include discharging to vegetated land). <p>(c) In respect of revegetation and rehabilitation activities, the SSEMP shall include, but not be limited to:</p> <ul style="list-style-type: none"> i. identification of soil resource to be used for rehabilitation within the SSEMP area; ii. identification of the vegetation types to be used on a plan or schedule; iii. a programme for revegetation and maintenance activities for a period of up to the 3 years (maintenance activities may include the exclusion of pest browsers and stock and the removal of weeds, and fencing that might be required for the exclusion of stock); iv. the desired percentage of surface cover to be achieved to reduce the adverse effects from sediment-laden stormwater run-off; v. identification of any innovative treatments of exposed rock cuttings that are to be used; and vi. information demonstrating that as far as practicable the objectives in Condition E.3 are met.
E.21	The consent holder may request amendments to any SSEMP by submitting the amendments in writing to the Manager for approval, prior to any changes taking effect.
	Ecological management objectives

Reference	Proposed condition
E.22	<p>During construction of the Project, the consent holder must achieve the following objectives as far as reasonably practicable:</p> <ul style="list-style-type: none"> (a) Re-establish affected lizard habitat and minimise lizard mortality resulting from construction of the Project; (b) Re-establish affected peripatus habitat and minimise peripatus mortality resulting from construction of the Project; (c) Minimise disturbance of breeding kaka and falcon; (d) Minimise effects on fish during streamworks; (e) Mitigate stream loss and modification by: <ul style="list-style-type: none"> i. Enriching riparian habitat; and ii. Enhancing fish passage; (f) Reduce construction effects on the aquatic and Porirua Harbour marine environments; and (g) Avoid the destruction of valued vegetation, where practicable.
E.23	<p>During the operational life of the Project, the consent holder must achieve the following objectives as far as reasonably practicable:</p> <ul style="list-style-type: none"> (a) Minimise bat mortality (if any) resulting from operation of the Project; (b) Maintain habitat for <i>leptinella tenella</i>, and ensure the long term retention of that habitat; (c) Protect against future land uses which could adversely effect stream ecology, through ensuring the long term retirement of regenerating land; (d) Mitigate the loss of indigenous forest, by revegetating indigenous forest, and ensuring the long term retention of that forest; and (e) Reduce sediment generation and discharge, by ensuring the long term retention of riparian habitat enriched during construction.
Ecological management and monitoring	
E.24	<p>The consent holder shall, in consultation with the Director-General of Conservation,</p> <ul style="list-style-type: none"> (a) update and finalise the Draft Ecological Management and Monitoring Plan dated July 2011 to: <ul style="list-style-type: none"> i. include performance measures, actions, methods, trigger levels and monitoring programmes designed to achieve the objectives specified in Conditions E.22 and E.23 above; ii. provide for the continual review and monitoring of the effects of construction activities, including the inspection of all erosion and sediment control devices after all heavy rainfall trigger events, and the upgrading of devices where necessary to achieve the most efficient and effective treatment; and (b) submit this to the Manager, for approval at least 20 working days prior to works commencing on any part of the Project.
E.25	<p>The consent shall implement the actions, methods, and monitoring programmes specified in the Ecological Management and Monitoring Plan.</p>
E.26	<p>The consent holder shall seek to ensure that:</p> <ul style="list-style-type: none"> (a) all ecological monitoring is undertaken or supervised by a suitably qualified person; (b) the results of all monitoring carried out pursuant to the Ecological Management and Monitoring Plan are: <ul style="list-style-type: none"> i. recorded in a log on-site; ii. available for inspection during normal office hours; iii. submitted to the Manager and to the Director-General of Conservation at

Reference	Proposed condition
	<p>quarterly intervals;</p> <p>(c) records are kept to show where monitoring is not possible due to dry conditions or where no sediment retention pond inflow or outflow exists.</p>
E.27	The consent holder shall engage a suitably qualified person to confirm the extent of any valued Natural Areas as specified in the Wellington Conservation Management Strategy 1996, RPS, Regional or District Plans prior to the commencement of works and shall develop the detailed design to avoid these areas as far as practicable. Any protection mechanisms for these areas shall be set out in the CEMP.
E.28	The replacement of the eight identified perched culverts within Duck Creek shall be completed within two years of the commencement of construction of any part of the new road. Replacement culverts shall be designed so as to provide fish passage for native migratory fish species, and shall be of a similar size and capacity to the existing culverts unless otherwise agreed with the Manager.
E.29	As far as practicable, measures shall be employed to minimise adverse effects on fish during construction of stream diversions and culvert installation.
	Fill standards
E.30	<p>All fill material used on site shall:</p> <p>(a) Be restricted to natural material, such as clay, soil and rock and other inert materials as detailed in the definition of cleanfill material in section 2.2 of the Ministry for the Environment publication 'A guide to the Management of Cleanfills, 2002', and</p> <p>(b) Be restricted to those materials listed as acceptable in table 4.1 of the Ministry for the Environment publication 'A guide to the Management of Cleanfills, 2002'.</p>
	Progressive stabilisation and staging of earthworks
E.31	The consent holder shall commence trials to assess the suitability of revegetation techniques and treatments of exposed rock cuttings within at least one year prior to the commencement of construction.
E.32	<p>A report of the results of the revegetation trials, and rock treatments shall identify:</p> <p>(a) which techniques and treatments are generally suitable for different areas and works within the project site; and</p> <p>(b) how each suitable technique or treatment (if any) will be incorporated into the completed Project.</p> <p>This report shall be submitted to the Manager at least one month prior to the commencement of construction.</p>
E.33	The consent holder shall progressively stabilise exposed areas on completion of an area of cut or fill. Areas where future buildings or paved areas are proposed shall be temporarily stabilised with basecourse, grass, or other such material to the satisfaction of the Manager.
	Forestry removal/logging conditions
E.34	<p>The GWRC's Regional Soil Conservator shall be notified in writing at least 20 working days prior to the commencement of forestry removal. This notification shall include:</p> <p>(a) details of the site location; and</p> <p>(b) timing and staging.</p>
E.35	Prior to the commencement of forestry/logging and any associated vegetation removal, construction of access tracks or other related enabling works, the consent holder shall ensure that an approved CEMP and ESCP containing measures specific to this activity, are in place and have been given effect to in accordance with Conditions G.12 and E.5.
E.36	As soon as practicable, following logging in any area, all parts of the area affected by forestry logging shall be re-established in vegetation in accordance with an approved landscape plan.
E.37	Best management practices as described in the New Zealand Forest Code of Practice (LIRO 1990, revised 1993) shall be adopted.
E.38	No vegetation or slash with a diameter of greater than 100 mm shall be allowed to remain

Reference	Proposed condition
	in any watercourse and, when removed, shall be placed in a position where that material cannot enter any watercourse.

RC4 Land use consents and water permits for Wainui Stream**RC5 Land use consents and water permits for Te Puka Stream****RC6 Land use consents and water permits for Horokiri Stream****RC7 Land use consents and water permits for Ration Stream****RC8 Land use consents and water permits for Collins Stream****RC9 Land use consents and water permits for Pauatahanui Stream****RC10 Land use consents and water permits for Duck Creek****RC11 Land use consents and water permits for Kenepuru Stream****RC12 Land use consents and water permits for Porirua Stream**

For each Stream the following consents and permits are sought:

- Land Use Consent and Water Permit – to permanently realign (divert and reclaim) the beds of streams, being pipe culverts, bridges and associated erosion protection control structures and stormwater outlet structures (refer to Schedule 1); and
- Land use consent to undertake permanent works in the beds streams and associated tributaries, including the construction, use and maintenance of culverts and fords; the construction and maintenance of gabion baskets and rock rip-rap erosion protection structures; and associated channel realignment and disturbance of the beds of those streams (refer to Schedules A-C).
- Water permit to divert water as part of the reclamation of the bed of a stream and associated tributaries (*Note: does not apply to Collins Stream*).

Explanatory Notes: refer to Schedules A-C – table of reclamations and diversions – which sets out the length of stream affected and the numbers and length of structures, reclamations and diversions.

Reference	Proposed condition
WS.1	The consent holder shall use natural rock and soil material, where practicable, to reclaim the stream bed. All fill material shall be placed and compacted so as to minimise any erosion and/or instability so far as is practicable.
WS.2	The consent holder shall seek to ensure that all works authorised by this permit to be undertaken in the dry bed of the stream, are completed before the flow of the stream is diverted back into the stream bed.
WS.3	The consent holder shall, as far as practicable, design all diversions in a manner than seeks to maintain stream flows (both volume and velocity) in a similar state to its natural state at the time of commencement of Work.
WS.4	The works shall remain the responsibility of the consent holder and shall be regularly inspected and maintained by the consent holder so that: <ul style="list-style-type: none"> (a) the waterway within or over the culverts and fords remains substantively clear of debris; (b) any erosion of the stream banks or bed that is attributable to, and is within 20m up

Reference	Proposed condition
	<p>or downstream of, the stream works authorised by this consent are remedied as soon as practicable by the consent holder; and</p> <p>(c) fish passage through the culverts and fords is not impeded.</p> <p>Explanatory Note: Maintenance does not include any works outside of the scope of the application. Any additional works (including structures, reshaping or disturbance to the stream bed) following completion of the construction works as proposed in the application, may require further resource consents.</p>

RC13 Land Use Consent - To undertake works in, on, over or under the beds of Duck Creek for the purpose of removing existing perched culverts in eight locations, and replacing them with culverts that allow fish passage

Reference	Proposed condition
Duck.1	<p>The consent holder shall prepare and submit detailed design plans and construction methodology, including proposed duration and timing for the removal and replacement of existing culverts authorised by this consent, to the Manager for approval at least 20 working days prior to works commencing.</p> <p>The detailed design plans and construction methodology shall include:</p> <ul style="list-style-type: none"> (a) measures/methods to seek to ensure that fish passage is maintained on completion of construction of the replacement culverts; (b) details of culvert inlet/outlet protection structures e.g. pre-cast wing walls or rock rip-rap; and (c) appropriate sizing of culverts and allowances for secondary flow paths during high flows.
Duck.2	<p>The replacement of all eight culverts shall be completed within two years of the commencement of construction of any part of the Project.</p>

RC14 Land Use Consent for use, placement and erection of structures (refer to Schedule C:Temporary Culverts) – To undertake works in, on, over or under the beds of streams and associated tributaries including the construction, use and maintenance of bridges, culverts and fords, and water permit for any associated temporary diversion and disturbance of the beds of those streams

Explanatory note: this is a global consent for construction works in streams along the entire route.

Reference	Proposed condition
S.1	<p>Unless any modifications are required to comply with any of the conditions of this consent, the location, design, implementation and operation of the works shall be in general accordance with the:</p> <p>(a) consent application and its associated plans and documents lodged with the GWRC [INSERT DATES AND NUMBERS HERE]; and</p> <p>(b) information to be prepared and submitted to the GWRC in accordance within the CEMP conditions of this consent.</p>
	Pre- construction conditions
S.2	<p>The consent holder shall prepare and submit detailed design plans and construction methodology, including proposed duration and timing for all required structures and stream works authorised by this consent, to the Manager for approval at least 20 working days prior to works commencing.</p> <p>The detailed design plans and construction methodology shall include:</p> <p>(a) measures/methods to seek to ensure that fish passage is maintained during and on completion of construction works along the stretches of stream affected by the exercise of this consent;</p> <p>(b) details of culvert inlet/outlet protection structures e.g. pre-cast wing walls or rock rip-rap;</p> <p>(c) appropriate sizing of culverts and allowances for secondary flow paths during high flows; and</p> <p>(d) any other measures or details as appropriate to achieve compliance with all conditions of this consent.</p>
S.3	<p>Works shall not commence until the detailed design plans and construction methodology required by Condition S2. of this consent have been certified by the Manager GWRC as being in general accordance with consent application plans.</p>
S.4	<p>The Manager, shall be given a minimum of 20 working days notice in writing, prior to Work commencing in each location (including any maintenance Work).</p> <p>Explanatory Note: This condition excludes Work permitted by the Regional Freshwater Plan for the Wellington Region.</p>
S.5	<p>The consent holder shall prepare and implement a revegetation and mitigation strategy for the stream modifications and structures authorised by this consent. The strategy shall be submitted to the Manager, at least 20 working days prior to any Work commencing. The revegetation and mitigation strategy shall include, but not be limited to:</p> <p>(a) details, methods, timing and responsibilities for revegetation of all exposed areas of stream bank or dewatered channel or culvert fill slopes as a result of this consent, including the methods for the protection of such areas;</p> <p>(b) planting plan and schedules;</p> <p>(c) monitoring and maintenance processes and procedures, including for replacement of dead plants, for a period of three years from completion of construction.</p> <p>Explanatory Note: the plant species used to revegetate areas shall be consistent with the</p>

Reference	Proposed condition
	species in the immediate vicinity of the exposed areas ("like-with-like"), with native species suitable for stream side and spawning habitats preferred at all times.
S.6	At least 20 working days prior to the commencement of construction of any temporary stream crossing, the consent holder shall submit detailed design plans of the crossing to the Manager for certification, and construct the crossing in accordance with the certified plans.
	During construction conditions
S.7	All work involving construction of new structures within streams, including post-construction clean up and reinstatement, shall be completed within 20 working days of completion of Work, to the satisfaction of the Manager.
S.8	The consent holder shall take all practicable steps to minimise sedimentation and disturbance of streams during the construction and implementation of the Work, including: <ul style="list-style-type: none"> (a) completing all Work in the minimum time practicable; (b) minimising the area of disturbance at all times; (c) avoiding placement of excavated material in the wetted channel; (d) separating construction activities from the wetted channel; (e) minimising time spent by machinery in the wetted channel, including the number of vehicle crossings; (f) immediately removing any excess material from the bed and banks of the stream on completion of the Work; and (g) where practicable, using material from the old dry channel for subsequent new channels.
S.9	Except for construction Work in the Te Puka Stream catchment, the consent holder shall maintain fish passage at all times during and on completion of the construction Work along the stretches of stream affected by the exercise of this consent. Any fish stranded or trapped by the construction works as authorised by this consent shall as soon as practicable be relocated upstream or downstream (as relevant) to clear water.
S.10	For Work within the Te Puka Stream catchment, the consent holder shall capture any fish stranded or trapped by the construction Work as authorised by this consent and relocate upstream or downstream (as relevant) to clear water.
S.11	During whitebait migration season (between 1 September to 30 November inclusive) and/or the adult fish spawning season (between 1 April to 31 July inclusive), Work within the wetted channel of the stream is only permitted: <ul style="list-style-type: none"> (a) with the prior approval of the Manager; and (b) in any case, will be limited to 1 day out of 7 and no more than 2 days in any 30 days. <p>Explanatory Note: This condition excludes works as permitted by Rule 22 of the Regional Freshwater Plan for the Wellington Region.</p>
	Post- construction and maintenance conditions
S.12	Unless otherwise agreed in writing with the Manager, all temporary stream crossings shall be removed within not more than two years of their installation.
S.13	Upon removal of any temporary crossing, the consent holder shall either: <ul style="list-style-type: none"> (a) replace the crossing with a permanent ford crossing; or (b) reinstate the stream bed to, as far as practicable, a natural state to closely match the upstream and downstream riparian and instream habitats and visual appearance. <p>At least 20 working days prior to the commencement of construction of any fords, the consent holder shall submit detailed design plans to the Manager for certification.</p>
S.14	The structures erected as part of the Work shall remain the responsibility of the consent holder and shall be regularly inspected and maintained by the consent holder so that:

Reference	Proposed condition
	<p>(a) the waterway within or over the culverts and fords remains substantively clear of debris;</p> <p>(b) any erosion of the stream banks or bed that is attributable to the stream works authorised by this consent are remedied as soon as practicable by the consent holder; and</p> <p>(c) fish passage through the culverts and fords is not impeded.</p> <p>Explanatory Note: Maintenance does not include any works outside of the scope of the application. Any additional works (including structures, reshaping or disturbance to the stream bed) following completion of the construction works as proposed in the application, may require further resource consents.</p>

RC 15 Discharge Permit for Concrete Batching Plant: Discharge contaminants to air after bag filtration resulting from the mixing of cement powder with other materials to manufacture concrete or concrete products; and

RC16 Discharge Permit for Concrete Batching Plant: Discharge contaminants to stormwater from an industrial or trade process.

Reference	Proposed condition
	Pre- construction administration
CBP.1	The location, design and operation of the concrete batching plant shall be in general accordance with: [Insert reference to plans, date and legal description(s)]
CBP.2	The consent holder shall prepare a Concrete Batching Plant Management Plan (CBMP) . The Consent Holder shall provide the CBMP to the Manager for certification prior to the commencement of operation of the batching plant.
CBP.3	The CBMP shall include, but not be limited to, details of: <p><u>General</u></p> <ul style="list-style-type: none"> (a) The final site layout including buildings and storage yard(s) and other storage facilities; (b) An operation and maintenance manual detailing regular monitoring to be undertaken, including visual checks and maintenance of all plant machinery and equipment to mitigate against accidental discharges; (c) A contingency plan for discharges to the environment from the plant; (d) Complaints investigation, monitoring and reporting; (e) The identification of staff and contractors' responsibilities. <p><u>Air Quality Management Measures</u></p> <ul style="list-style-type: none"> (a) Procedures for responding to process malfunctions and accidental dust discharges; (b) Procedures to seek to ensure that sand and aggregate (and other potentially dusty materials) are handled and stored so as to minimise dust emissions; (c) Mitigation measures to be implemented during the operation of the plant, including the installation of a water sprinkler system to minimise dust emissions; (d) Criteria, including consideration of weather conditions and procedures for use of water sprays on stockpiles and operational areas of the site; (e) Daily visual monitoring of dust emissions. <p><u>Stormwater Quality Management Measures</u></p> <ul style="list-style-type: none"> (a) Methods to separate clean stormwater and divert it away from dirty areas of the site; (b) Methods to capture and treat stormwater from dirty areas of the site; (c) Collection and storage of rubbish in appropriate receptacles to avoid contamination with rainwater; and (d) Methods for collection and re-use of water onsite.
CBP.4	Operation of the plant shall not commence until the CBMP, detailed design plans and methodology required by Conditions CBP.1, CBP.2 and CBP.3 of this permit have been

Reference	Proposed condition
	certified by the Manager.
CBP.5	The consent holder shall review and (if necessary) update the CBMP within two months of the date of commencement of operation of the concrete batching plant, and at least once every year thereafter and also in the event that potential and actual adverse emissions to air are identified by an enforcement officer; or for the purpose of reviewing the stormwater management systems on-site. In any such event, the Best Practicable Option shall be used to prevent such emissions. Any proposed changes to the CBMP shall be submitted to the Manager for review within one month of the consent holder's review.
CBP.6	The Manager, shall be given a minimum of 48 hours notice prior to the operation of the concrete batching plant commencing.
	Limit conditions
CBP.7	The Consent Holder shall at all times operate, maintain, supervise, monitor and control all processes on site so that air emissions authorised by this consent are maintained at the minimum practicable level.
CBP.8	There shall be no discharges to air resulting from the exercise of this permit which are, in the opinion of an enforcement officer, noxious, dangerous, offensive, or objectionable at or beyond a 20 metre wide buffer zone around the physical boundary of the plant.
CBP.9	No discharges from any activity on site shall give rise to visible emissions to an extent which, in the opinion of an enforcement officer, is noxious, dangerous, offensive or objectionable.
CBP.10	Beyond the boundary of the site there shall be no hazardous air pollutants caused by discharges from the site, which are present at a concentration that causes, or is likely to cause adverse effects to human health, the environment or property.
	Operation and process conditions
CBP.11	As far as practicable, all process water shall be captured and reused on site.
CBP.12	The site shall be kept clean and tidy and appropriate measures taken to minimise dust emissions from wind and vehicle movements, including ensuring that within site boundaries all vehicle speeds are kept below 10 kilometres per hour, in accordance with the CBMP required by Condition CBP.2.
CBP.13	If a significant discharge of dust into air occurs from any part of either a cement silo or associated equipment during the delivery of cement into that silo, all deliveries into that silo shall cease immediately and shall not be resumed until the dust source has been located and remedied.
CBP.14	Each silo on site shall be fitted with a pulse-jet type bagfilter unit that shall be adequately maintained and be operating whenever bulk cement is being transferred into that silo and that air displaced from cement silos during silo filling shall be vented to atmosphere via the bagfilter unit fitted to that silo.
CBP.15	Each silo on site shall be fitted with a high level fill alarm that shall be adequately maintained and be operating whenever bulk cement is being transferred into that silo, and that in the event of the alarm operating, filling into the silo shall cease immediately and shall not be resumed until the cause has been located and remedied.
CBP.16	Air displaced from the cement weigh hopper during weighing shall be vented to atmosphere via a bagfilter.
CBP.17	Air extracted from the mixer drum during batching of concrete shall be vented to atmosphere via a pulse-jet type bagfilter unit that shall be operating whenever the batching of concrete is being undertaken.
CBP.18	That all ducting and emission control equipment shall be maintained in good condition and as far as practicable be free from leaks to prevent fugitive emissions.
CBP.19	Aggregate shall be handled in such a way as to minimise dust emissions, including appropriate storage and the minimisation of drop heights when unloading. Appropriate storage means storage only in the enclosed high-level bins or in ground-level storage bays. Minimisation of drop heights is specified in the CBMP required by Condition CBP.2.
CBP.20	The maximum height of any stockpiles of sand, aggregate or any other potentially dusty material in ground-level storage bays shall not exceed the height of the side and rear walls of that bay.

Reference	Proposed condition
CBP.21	Water sprays shall be available on each ground-level storage bay used for sand, aggregate or any other potentially dusty material, and shall be used when necessary for dust suppression.
CBP.22	The aggregate conveyors shall be enclosed at least on one side and above or fitted with close fitting covers and fitted with return scrapers to adequately minimise dust emissions.
	Monitoring and site management conditions
CBP.23	Regular maintenance of the concrete batching process, including weekly visual inspections of the equipment prior to use, shall be carried out by an appropriately trained operator. Records of maintenance and visual inspections shall be kept and made available to the Manager on request.
CBP.24	The consent holder shall keep a record of all deliveries of bulk materials to, and dispatches of concrete from, the plant. These records shall be made available to the GWRC on request.
CBP.25	Regular maintenance of the concrete batching process, including weekly visual inspections of the equipment prior to use, shall be carried out by an appropriately trained operator. Records of maintenance and visual inspections shall be kept and made available to the Manager on request.
CBP.26	The consent holder shall undertake regular visual monitoring of dust emissions from each delivery of bulk cement to the site, as specified in the CBMP required by Condition CBP.2.
CBP.27	The consent holder shall require bulk tanker drivers to remain in the immediate vicinity of the tanker delivery controls throughout each delivery of bulk cement to the site, and to continuously monitor each such delivery for spills and/or discharges to air.
CBP.28	The filter units, high level alarms and pressure relief valves fitted to each silo shall be inspected for correct operation and damage at least once each month.
CBP.29	The filter unit fitted to the concrete mixer unit shall be inspected for correct operation and damage at least once every six months.
CBP.30	A continuous turbidity and pH meter shall be located at the discharge point from the Concrete Batching Plant dirty water treatment system. Discharges from the concrete batching plant shall meet a turbidity and pH discharge standard – initially set at: <ul style="list-style-type: none"> • Turbidity 50 NTU; and • pH between 6-9. Where the turbidity level is exceeded, or pH is greater than 9, further treatment shall be required via chemical treatment and/or pH management prior to discharge. Alternatively this stormwater shall be discharged to the reticulated sewer.
CBP.31	The stormwater treatment devices used on this site shall be designed in accordance with the standards set out in the NZTA's <i>Draft Erosion and Sediment Control Standard for State Highway Infrastructure</i> and <i>Draft Field Guide for Contractors</i> .
	Logging and reporting conditions
CBP.32	The consent holder shall keep a record of all deliveries of bulk materials to, and dispatches of concrete from, the plant. These records shall be made available to the GWRC on request.
CBP.33	A log shall be maintained of the results of all daily, weekly and monthly inspections and visual assessments of all emissions control equipment and of any dust emissions from the site or processes.
CBP.34	All records, logs, monitoring and test results that are required by the conditions of this consent shall be made available on request, during operating hours, to an enforcement officer and shall be kept for a minimum period of 12 months from the date of each entry.
CBP.35	The consent holder shall notify an enforcement officer as soon as practicable in the event of any significant discharge of contaminants into air, which may result in adverse effects on the environment.
CBP.36	Details of any complaint received shall be provided to the Manager within 7 days of receipt of the complaint/s.
	Review condition
CBP.37	The conditions of this consent may be reviewed by the Manager pursuant to section 128 of the RMA, by the giving of notice pursuant to section 129 of the Act, in within two

Reference	Proposed condition
	<p>months of commencement of operation of the concrete batching plant, and annually thereafter in order:</p> <p>(a) To deal with any significant adverse effect on the environment arising from the exercise of the consent which was not foreseen at the time the application was considered and which is appropriate to deal with at the time of the review.</p> <p>(b) To consider the adequacy of conditions which prevent nuisance beyond the boundary of the site, particularly if regular or frequent complaints have been received and validated by an enforcement officer.</p> <p>(c) To consider developments in control technology and management practices that would enable practical reductions in the discharge of contaminants to air.</p> <p>(d) Alter the monitoring requirements, including requiring further monitoring, or increasing or reducing the frequency of monitoring.</p>
	Expiry
CBP.38	This consent relating to the discharge of contaminants to air from a concrete batching plant shall expire 15 years from the date of its commencement unless it has lapsed, been surrendered or been cancelled at an earlier date.

30.3 Proposed PCC resource consent conditions

30.3.1 Abbreviations for all consents

AEE	Transmission Gully Project Assessment of Effects on the Environment
CEMP	Construction Environmental Management Plan
Commencement of Works	means the time when the works that are the subject of these consents commence
GWRC	Wellington Regional Council
Heavy rainfall event	15mm of rain per hour at any of the rain gauges monitored for the Project
The Manager	means the Manager, Consents Management, Wellington Regional Council or nominated GWRC staff or contractor appointed to act on the Manager's behalf
PCC	Porirua City Council
Project	means the construction, maintenance and operation of the Waitangirua and Whitby Link Roads
RMA	Resource Management Act 1991
Stabilised	means inherently resistant to erosion or rendered resistant, such as by using indurated rock or by the application of basecourse, grassing, mulch, or another method to the reasonable satisfaction of the Manager. Where

seeding or grassing is used on a surface that is not otherwise resistant to erosion, the surface is considered stabilised once, on reasonable visual inspection by the Manager 80% vegetative ground cover has been established.

Stage means a stage of the Project as nominated by the contractor and agreed with the Greater Wellington Regional Council

UHCC Upper Hutt City Council

WCC Wellington City Council

Work means any activity or activities undertaken in relation to the Project

Note: text that appears in italics forms either an explanatory note or advice note prepared to assist with interpretation of the condition, but does not form part of the condition for compliance purposes.

30.3.2 Advice Notes

- A. Where there may be contradiction or inconsistencies between the application and further information provided by the applicant, the most recent information applies. In addition, where there may be inconsistencies between information provided by the applicant and conditions of the consent, the conditions apply.
- B. Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to Section 127 of the Resource Management Act 1991.

The following “PCC.G” conditions are General Conditions that are applicable to all consents and permits sought by PCC. Additional specific conditions follow for each consent/permit sought.

Reference	Proposed condition
G.22	<p>The Project shall be undertaken in general accordance with the plans and information submitted with the application as documented as consent numbers [INSERT GWRC REFERENCE NUMBERS HERE], subject to such amendments as may be required by the following conditions of consent.</p> <p>The plans and information include:</p> <ul style="list-style-type: none"> (i) Consent applications dated [INSERT DATES HERE] (ii) Documents [INSERT DATES HERE] (iii) Plans [INSERT FINAL PLAN REFERENCES HERE]
G.23	<p>Subject to the consent holder holding or obtaining appropriate property rights to enable it to do so, the consent holder shall permit the servants or agents of the GWRC to have access to relevant parts of the respective properties at all reasonable times for the purpose of carrying out inspections, surveys, investigations, tests, measurements and/or to take samples.</p>
	Pre- construction administration conditions
G.24	<p>At least 20 working days prior to commencement of any Stage the consent holder shall arrange a pre-construction site meeting between the GWRC and any other relevant party nominated by the GWRC, including the primary contractor.</p> <p>In the case that any of the invited parties, other than the representative of the consent holder, does not attend this meeting, the consent holder will have complied with this condition, provided the invitation requirement is met.</p>
G.25	<p>Prior to the commencement of construction Work, the consent holder and the GWRC (and or their agreed representative(s) who have authority to make decisions regarding consent compliance), shall meet and decide upon a suitably qualified or experienced person or persons who shall fulfil the role of compliance officer for the Project.</p> <p>The agreed person’s responsibilities shall include:</p> <ul style="list-style-type: none"> (a) Pre-commencement site meeting(s) with contractors; (b) Regular scheduled compliance inspections to meet the requirements of regional consents [INSERT GWRC REFERENCE NUMBERS HERE]; (c) Spot compliance checks before and/or after forecast extreme weather events; (d) Collection, collation and filing of any required monitoring and compliance reports; and (e) Enforcement action under the provisions of the RMA in the event of a non-compliance. <p>This person may be a Council employee, or may be an independent person agreed between the consent holder and the GWRC as an Independent Professional Advisor.</p> <p>The actual and reasonable costs of this person exercising these responsibilities shall be recoverable from the consent holder (refer to Condition PCC.G.5).</p>
G.26	<p>The GWRC shall be entitled to recover from the consent holder the actual and reasonable costs of the conduct of any review, calculated in accordance with and limited to the Council’s scale of charges in-force and applicable at that time pursuant to Section 36 of the Resource Management Act 1991</p>
G.27	<p>The consent holder shall ensure that a copy of this consent and all documents and plans referred to in this consent, are kept on site at all times and presented to any GWRC officer on request.</p>
	Review condition
G.28	<p>The Manager may review any or all conditions of this consent by giving notice of their intention to do so pursuant to Section 128 of the Resource Management Act 1991, at any time within six months of the first, third and fifth anniversaries of the date of commencement of this consent for any of the following purposes:</p>

Reference	Proposed condition
	<p>(a) To deal with any adverse effects on the environment, which may arise from the exercise of this consent, and which it is appropriate to deal with at a later stage; and</p> <p>(b) To review the adequacy of any monitoring plans proposed and/or monitoring requirements so as to incorporate into the consent any monitoring or other requirements which may become necessary to deal with any adverse effects on the environment arising from the exercise of this consent.</p>
	Staging and programme conditions
G.29	If the work is to be staged, the consent holder shall prepare a staging plan prior to the commencement of any works, and shall provide written notification of the works commencing in each Stage to the GWRC, at least ten working days prior to works commencing in each area.
G.30	The consent holder shall provide the Manager with an updated schedule of construction activities for the Project at monthly intervals throughout the construction phase of the Project.
	Management plans
G.31	All works shall be carried out in general accordance with the management plans required by these conditions.
G.32	The consent holder may request amendments to any of the management plans required by these conditions by submitting the amendments in writing to the Manager for approval prior to any changes taking effect.
	Construction Environmental Management Plan
G.33	<p>Prior to the commencement of any Stage which involves activities authorised by this consent, the consent holder shall submit a Construction Environmental Management Plan or Plans ("CEMP") to the Manager for review and certification. Among other things, the CEMP(s) is to confirm that the proposed construction methodology for the Stage complies with Condition PCC.G.1 of this consent and to demonstrate how other conditions of this consent have been or will be complied with. The CEMP(s) shall be prepared in relation to the relevant Stage.</p> <p>The purpose of the CEMP is to confirm final project details, staging of Work, and detailed engineering design to seek to ensure that the Project remains within the limits and standards approved under this consent and that the construction and operation activities avoid, remedy or mitigate adverse effects on the environment in accordance with the conditions of this consent. The CEMP shall provide details of the responsibilities, reporting frameworks, coordination and management required for project quality assurance; final detailed design; construction methodologies; timeframes and monitoring processes and procedures. Works shall not commence on a Stage until the consent holder has received the Manager's written approval for the CEMP(s) for that Stage.</p> <p>A CEMP shall include but need not be limited to:</p> <p><u>(1) Quality Assurance</u></p> <p>A Quality Assurance section which shall include management frameworks, systems and procedures for quality management of all on-site activities and compliance with the conditions of this designation. Among other matters this section shall provide details of the following:</p> <ol style="list-style-type: none"> a. Name, qualifications, relevant experience and contact details of an appropriately qualified and experienced project manager, who shall be responsible for overseeing compliance with the CEMP; b. Names, qualifications, relevant experience, and methods for contacting principal staff employed on the relevant part of the Project, along with details of their roles and responsibilities; c. Methods and systems to inform and train all persons working on site of potential environmental issues and how to comply with conditions of the consent; d. Systems and processes whereby the public are informed of contact details of the project manager and principal staff identified above;

Reference	Proposed condition
	<p>e. Liaison procedures with the Council; and</p> <p>f. Communication protocols.</p> <p><u>(2) Site Management</u></p> <p>The Site Management section of the CEMP shall detail procedures to manage the relevant part of the Project throughout the entire construction process in a safe manner. This section shall provide details of the following (and may include other matters):</p> <p>a. Details of the site access for all Work associated with construction of the part of the Project;</p> <p>b. Measures to be adopted to maintain the site in a tidy condition in terms of disposal/storage of rubbish, storage and unloading of building materials and similar construction activities;</p> <p>c. Location of workers' conveniences (e.g. portaloos);</p> <p>d. Procedures for controlling sediment run-off into the watercourses/streams, dust and the removal of soil, debris and construction materials from the watercourses/streams and riparian margins, and onto public roads or places (including identifying the location of wheel wash facilities);</p> <p>e. A contingency plan in the event that there is any unconsented discharge to watercourses/streams;</p> <p>f. Details of the storage of fuels and lubricants (which shall require that storage be bunded or contained in such a manner so as to prevent the discharge of contaminants from spillages);</p> <p>g. Details of the proposed maintenance of machinery and plant to minimise the potential for leakage of fuels and lubricants;</p> <p>h. Location of vehicle and construction machinery access and storage during the period of site works;</p> <p>i. Procedures for thoroughly cleaning all machinery of unwanted vegetation (e.g. weeds), seeds or contaminants prior to entering the site;</p> <p>j. Methods for the clear identification and marking of the construction zones including those which extend into watercourses;</p> <p>k. A methodology that prescribes the extent to which machinery can operate in the vicinity of watercourses so as to minimise disruption and damage to the watercourses and associated vegetation;</p> <p>l. Methods to manage public health and safety during the construction works, and notification to the public of temporary access restrictions to the immediate works area during the staged construction;</p> <p>m. Confirmation that no equipment or machinery will be cleaned, or refuelled in any part of any watercourses/streams, except as otherwise specifically provided for in the CEMP or an SSEMP;</p> <p>n. Procedures for removing all contaminants (e.g. fuel, hydraulic oils, lubricants etc) from the site at the end of the construction period, except for those required for ongoing maintenance of the road and operational activities; and</p> <p>o. Procedures for making any repairs to the adjacent road network required where any damage occurs as a direct result of the Project.</p> <p><u>(3) Construction Programme and Methodology</u></p> <p>Notwithstanding Conditions PCC.G.8 and PCC.G.9 above, a Construction Programme which shall include a programme of works that seeks to enable the relevant part of the Project to be constructed in a manner that is timely, adequately co-ordinated and manages the adverse effects of construction on the environment in accordance with the conditions of this consent. This section shall, among other matters, provide details on the following:</p> <p>a. A detailed staging programme and anticipated timetable for construction works during the relevant part of the Project; and</p> <p>b. A methodology to identify how earthworks will be staged during the relevant part</p>

Reference	Proposed condition
	of the Project to manage the effects of the Project on the Pauatahanui Inlet in accordance with this consent.
	Environmental management plans
G.34	<p>The management of key environmental effects associated with the construction phase of the Project shall be detailed within environmental management plans that are included in the appendices to the CEMP. This suite of management plans shall include:</p> <p>(a) Construction Air Quality Management Plan (CAQMP) – Condition PCC.G.14;</p> <p>(b) Erosion and Sediment Control Plan (ESCP) – Condition PCC.E.2; and</p> <p>(c) Chemical Treatment Plan (CTP) (i.e. flocculation) – Condition PCC.E.16.</p>
G.35	<p>The CEMP shall include an updated version of the Construction Air Quality Management Plan (CAQMP) which shall provide a methodology for managing the effects of dust from the site, and shall, as a minimum include:</p> <p>(a) Identification and implementation of dust suppression measures appropriate to the environment in which the works are located, and the sensitivity of nearby receptors; and</p> <p>(b) Identification of contingency measures to address identified and verified adverse effects on sensitive receptors. Contingency measures may include options such as:</p> <ul style="list-style-type: none"> • Cleaning of water tanks and replenishment of water supplies; • Cleaning of houses • Cleaning of other buildings and infrastructure.
G.36	<p>Should a heavy rainfall event occur or advance notice of an impending event be received the consent holder may undertake contingency measures not set out in any management plan, but only subject to the following conditions:</p> <p>(a) The measures must be for the express purposes of managing non-stabilised areas of earthworks or improving erosion and sediment controls in the catchments that drain to the Porirua Harbour,</p> <p>(b) Unless impracticable to do so, the consent holder must secure prior (oral or written) approval from the Manager for undertaking the measures,</p> <p>(c) As soon as practicable following the undertaking of the measures, the consent holder must provide to the Manager written notice of the measures undertaken and amend the relevant Management plan(s) as may be appropriate to take account of the measures undertaken and submit the amended Management plan to the Manager for approval under Condition G.11.</p>
	Archaeology
G.37	<p>The Requiring Authority, in consultation with, Te Runanga o Toa Rangatira Inc and the New Zealand Historic Places Trust, shall prepare an accidental discovery protocol to be implemented in the event of accidental discovery of cultural or archaeological artefacts or features during the construction of the Project. This protocol shall be submitted to the Manager at least 20 working days prior to any construction or enabling Work commencing under this consent on any part of the Project within the District. The protocol shall include, but not be limited to:</p> <p>(a) Training procedures for all contractors regarding the possible presence of cultural or archaeological sites or material, what these sites or material may look like, and the relevant provisions of the Historic Places Act 1993 if any sites or material are discovered;</p> <p>(b) Parties to be notified in the event of an accidental discovery shall include, but need not be limited to Te Runanga o Toa Rangatira Inc, the New Zealand Historic Places Trust, the GWRC, the relevant District or City Council and the New Zealand Police (if koiwi are discovered);</p>

Reference	Proposed condition
	<p>(c) Procedures to be undertaken in the event of an accidental discovery (these shall include immediate ceasing of all physical works in the vicinity of the discovery); and</p> <p>Procedures to be undertaken before Work under this consent may recommence in the vicinity of the discovery. These shall include allowance for appropriate tikanga (protocols), recording of sites and material, recovery of any artefacts, and consulting with Te Runanga o Toa Rangatira Inc and the New Zealand Historic Places Trust prior to recommencing works in the vicinity of the discovery.</p>
	<p>Incidents and complaints</p>
G.38	<p>During construction Work, the consent holder shall maintain a permanent record of any complaints received alleging adverse effects from, or related to, the exercise of this consent. The record shall include:</p> <ul style="list-style-type: none"> (a) the name and address (as far as practicable) of the complainant; (b) identification of the nature of the complaint; (c) location, date and time of the complaint and of the alleged event; (d) weather conditions at the time of the complaint (as far as practicable), and including wind direction and approximate wind speed if the complaint relates to air quality. (e) the outcome of the consent holders investigation into the complaint; (f) measures taken to seek to ensure that such a complaint does not occur again; and (g) Any other activities in the area, unrelated to the project that may have contributed to the complaint, such as non-project construction, fires, traffic accidents or unusually dusty conditions generally. <p>The consent holder shall also keep a record of any remedial actions undertaken.</p> <p>This record shall be maintained on site and shall be made available to the Manager, upon request. The consent holder shall notify the Manager in writing of any such complaint within 5 working days of the complaint being brought to the attention of the consent holder.</p>
G.39	<p>The consent holder shall immediately notify the Manager if any contaminants (including sediment) or material are released in the undertaking of the Work and enters any watercourse due to any of the following:</p> <ul style="list-style-type: none"> (a) discharges from non-stabilised areas that are not treated by erosion and sediment control measures required under this consent; and/or (b) failure of any erosion and sediment control measures; and/or (c) any other incident which either directly or indirectly causes, or is likely to cause, adverse ecological effects in any watercourse that is not authorised by a resource consent held by the consent holder. <p>If any of these events occur, the consent holder shall:</p> <ul style="list-style-type: none"> (a) establish control measures where these have failed or have not been implemented in accordance with the CEMP as soon as practicable; (b) liaise with the Manager to establish what remediation or rehabilitation is required and whether such remediation or rehabilitation is practical to implement; (c) carry out any remedial action as required by and to the satisfaction of the Manager; and (d) maintain a permanent record of the incident at the site, which shall include the date and time of the incident, the nature, manner and cause of the release of the contaminants, weather conditions at the time of the incident and the steps taken to contain any further release and to remedy any adverse ecological effects on the watercourse.

Reference	Proposed condition
	A copy of this record shall be provided to the Manager within 5 working days of the incident being brought to the attention of the consent holder.
	Consent lapse and expiry
G.40	Pursuant to section 125(1) of the Act, the consents referenced [INSERT GWRC REFERENCE NUMBERS HERE] shall lapse 15 years from the date of their commencement (pursuant to Section 116(5) of the Act) unless it has been given effect, surrendered or been cancelled at an earlier date.
G.41	Pursuant to section 123(c) of the Act, the consents referenced [INSERT GWRC REFERENCE DISCHARGE PERMIT AND WATER PERMIT NUMBERS HERE] shall expire 35 years from the date of their commencement (pursuant to Section 116(5) of the Act).

RC17 Land Use Consent – Earthworks

For bulk earthworks for the purpose of construction of the Porirua Link Roads including erosion and sediment control devices, and the associated removal of vegetation.

RC18 Discharge Permit

To authorise the discharge of chemically treated sediment laden water to land that may enter water.

RC19 Discharge Permit

To authorise the discharge of chemically treated sediment laden water to water.

Reference	Proposed condition
	Earthworks limit conditions
E.39	Non-stabilised areas of earthworks authorised by this consent (whether of themselves or in combination with non-stabilised areas of earthworks authorised or by the consent granted to the NZTA for earthworks [insert consent reference]) within the Pauatahanui watershed, shall be limited to not more than 40ha in total at any one time, and shall be further limited within the Duck Creek catchment, to not more than 14.25ha at any one time, unless otherwise agreed in writing with the Manager.
	Erosion and sediment control objectives
E.40	<p>During construction of the Project, the consent holder must achieve the following objectives as far as reasonably practicable:</p> <ul style="list-style-type: none"> (a) Minimise the overall non-stabilised earthworks footprint; (b) Use BPO to minimise non-stabilised earthworks in the areas where highly erodible colluvium is found in the Duck Creek, Upper Horokiri and Te Puka Stream catchments; (c) Use a staged construction programme to minimise areas of earthworks that are non-stabilised at any one time; (d) Stabilise completed areas of earthworks as soon as practicable and within one month of completion or ceasing Work in that area; (e) Divert clean run off away from non-stabilised earthworks areas; (f) Use BPO to design and install a variety of perimeter controls for the management of flows of water and sediment and sediment retention; (g) Achieve TSS removal efficiencies of at least 70% for all storm events with a less than 10 year ARI, as demonstrated by an agreed monitoring programme; (h) Design all emergency spillways to accommodate at least a 50 year ARI storm event peak flow; (i) Design all emergency spillways that are programmed to be in operation for more than one year to accommodate a 100 year ARI storm event peak flow; (j) Use dry and wet weather forecasting, monitoring and reporting, to ensure all practicable erosion and sediment control measures are put in place if a heavy rainfall event is forecast and manage the effects of weather on the erosion and sediment control measures; (k) Prepare for and manage environmental risks from heavy rainfall events; and

Reference	Proposed condition
	(l) Use adaptive management principles to review and refine the erosion and sediment control and treatment measures used.
	Erosion and Sediment Control Plan and measures
E.41	For each Stage of Work, an Erosion and Sediment Control Plan (ESCP) shall be prepared and submitted a minimum of 20 working days prior to earthworks of the Stage commencing, for the certification of the Manager. Certification, shall be obtained prior to earthworks of the stage commencing.
E.42	<p>The ESCPs shall as far as practicable meet the objectives in Condition PCC.E.2 and include, but not be limited to:</p> <ul style="list-style-type: none"> (a) Contour information at suitable intervals; (b) Erosion and sediment control measures including specific pond design (including calculations supporting pond sizing) (c) Catchment boundaries for the erosion and sediment control measures; (d) Location of the Work, and cut and fill operations; (e) Details of construction methods to be employed, including timing and duration; (f) Design details including: <ul style="list-style-type: none"> i. Contributing catchment area; ii. Retention volume of structure (dead storage and live storage measured to the top of the primary spillway); iii. Shape of structure (dimensions of structure); iv. Location of flood waters v. Safety and access vi. Position of inlets/outlets vii. Stabilisation of the structure; and viii. Maintenance. (g) A programme for managing non-stabilised areas of earthworks, including progressive stabilisation considerations; (h) The identification of appropriately qualified and experienced staff to manage the environmental issues onsite; (i) The identification of staff who have clearly defined roles and responsibilities to monitor compliance with the Consent Conditions and ESCP; (j) Provision of details of a chain of responsibility for managing environmental issues and details of responsible personnel; (k) The establishment of a sediment control team (including representatives from the contractor, GWRC and the Consent Holder) to meet and review erosion and sediment control measures on a weekly basis, or at intervals as otherwise agreed; (l) Approach and procedures for ensuring advance warning of a heavy rainfall event and for the management of such an event including systems of advance warning, arrangements for communications with the GWRC and other relevant authorities, and for the monitoring and treatment of non-stabilised areas of earthworks and erosion and sediment control measures, and for reporting to GWRC following any such event; and (m) Methods and procedures to be undertaken for decommissioning of erosion and sediment control measures.
E.43	Erosion and sediment control measures shall be constructed and maintained in

Reference	Proposed condition
	accordance with the GWRC's <i>Erosion and Sediment Control Guidelines for the Wellington Region dated September 2002</i> ; (and any amendments to that document), except where a higher standard is detailed in the documents referred to in Condition PCC.E.4 above, in which case the higher standard shall apply.
E.44	Prior to any earthworks commencing, a certificate signed by an appropriately qualified and chartered professional engineer shall be submitted to GWRC to certify that the erosion and sediment control measures have been constructed in accordance with the ESCP as specified in Condition PCC.E.4 of this consent.
E.45	A copy of the "as-built(s)" and the certified ESCPs shall be kept on site, and all erosion and sediment control measures (including staging boundaries and particularly the extent of exposed areas) shall be updated as soon as practicable as changes are made. As-built plans shall be accompanied by text detailing the relevant earthworks methodology, constraints and likely progressions, and shall (in general accordance with the ESCPs) be revised as required to enable clear interpretation as to the day to day operation and management of erosion and sediment control measures.
E.46	All necessary perimeter controls shall be operational before earthworks (or relevant stage of earthworks) begin.
E.47	The consent holder shall seek to ensure that procedures are adopted to prevent the deposition of slurry, clay or other materials on the roads by vehicles leaving the site where such material is liable to cause a nuisance or hazard. Should the exercise of this Consent result in material being deposited on the road that causes or is liable to cause a nuisance or hazard, that material shall be removed immediately to the satisfaction of the Manager.
E.48	No sediment retention ponds, chemical treatment systems or perimeter controls shall be removed or decommissioned before the entire area is stabilised, unless such removal and decommissioning is in accordance with the CEMP or a SSEMP.
E.49	All 'cleanwater' runoff from stabilised surfaces, including catchment areas above the site, shall be diverted away from earthwork areas via a stabilised system, so as to prevent surface erosion.
	Incidents
E.50	<p>During construction Work, the consent holder shall maintain a permanent record of any incidents alleging adverse effects from, or related to, the exercise of this consent. The record shall include:</p> <ul style="list-style-type: none"> (a) identification of the nature of the incident; (b) location, date and time of the incident; (c) weather conditions at the time of the incident (as far as practicable). (d) the outcome of the consent holders investigation into the incident; (e) measures taken to seek to ensure that such an incident does not occur again; and (f) Any other activities occurring in the area that are unrelated to the project and that may have contributed to the incident. <p>This record shall be maintained on site and shall be made available to the Manager, upon request. The consent holder shall notify the Manager in writing of any such complaint within 5 working days of the complaint being brought to the attention of the consent holder.</p>
	Erosion and sediment control monitoring
E.51	<p>The Consent Holder shall carry out monitoring in accordance with the approved ESCP and shall maintain records detailing:</p> <ul style="list-style-type: none"> (a) The location of the monitoring undertaken; (b) The time and date the monitoring was undertaken; (c) The weather conditions at the time of monitoring; (d) The performance criteria measured (e) The erosion and sediment controls that required maintenance;

Reference	Proposed condition
	<p>(f) The maintenance actions which were completed; and</p> <p>(g) The time when the maintenance was completed; and</p> <p>(h) Areas of non-compliance with the ESCP and the Chemical Treatment performance monitoring plan (if any), the reasons for the non-compliance and any action taken to remedy the non-compliance (if any).</p> <p>This information shall be made available to the GWRC upon request.</p>
E.52	<p>The Consent Holder shall carry out Sediment Retention Device monitoring during heavy rainfall trigger events in accordance with the approved ESCP and agreed performance criteria, shall maintain records detailing:</p> <p>(a) The location of the Sediment Retention Device;</p> <p>(b) The time and date the monitoring was undertaken;</p> <p>(c) The weather conditions at the time of monitoring;</p> <p>(d) The event based performance criteria measured; including but not limited to;</p> <ol style="list-style-type: none"> i. Inlet turbidity; flow; particle size, pH ii. Outlet turbidity; flow; particle size, pH iii. pH of pond iv. Free Aluminium (Al³⁺) <p>(e) The performance of the sediment retention devices with agreed event based performance criteria;</p> <p>(f) The maintenance actions which were completed; and</p> <p>(g) The time when the maintenance was completed; and</p> <p>(h) Areas of non-compliance with the ESCP and the Chemical Treatment Plan (as relevant) and the reasons for the non-compliance.</p> <p>This information shall be made available to the GWRC upon request.</p>
E.53	<p>The Consent Holder shall carry out Erosion Control Device monitoring in accordance with the approved ESCP and agreed performance criteria, shall maintain records detailing:</p> <p>(a) The location of the Erosion Control Device;</p> <p>(b) The time and date the monitoring was undertaken;</p> <p>(c) The weather conditions at the time of monitoring;</p> <p>(d) The performance criteria measured; including but not limited to;</p> <ol style="list-style-type: none"> i. Loss of cover material ii. Erosion across protected slopes <p>(e) The performance of the Erosion Control Devices with agreed performance criteria;</p> <p>(f) The maintenance actions which were completed; and</p> <p>(g) The time when the maintenance was completed; and</p> <p>(h) Areas of non-compliance with the ESCP and the Chemical Treatment Plan (as relevant) and the reasons for the non-compliance.</p> <p>This information shall be made available to the GWRC upon request.</p>
	<p>Construction Environmental Management Plan – additional requirements</p>
E.54	<p>In addition to the requirements in the General Conditions, the CEMP shall have regard to the following rehabilitation principles:</p> <p>(a) To identify and give particular attention to high cuts that will be visible from dwellings and public open space in order to quickly reduce any visual effects.</p> <p>(b) For the engineer, ecologist and landscape architect to work together to design the</p>

Reference	Proposed condition
	<p>final shape of, and re-vegetation proposals for, earthworks and rock cuts as part of the detailed design process.</p> <p>(c) To shape the finished cuts to emulate natural rock features and reduce where appropriate the creation of uniform linear features. This may include rolling back the top, ripping sections to create shaped corners, creating gully like features and scree-like slopes, etc.</p> <p>(d) To shape the finished cuts to provide areas of fractured rock that will provide microhabitats for native grasses, ferns and shrubs.</p> <p>(e) To shape the finished cuts to allow the deposition of soil in key areas so that tall shrubs can rapidly establish helping to break up the face. This can include benching, and bunding the toe of the cut when access track construction has been completed.</p> <p>(f) To vegetate cuts with plants equivalent to the slopes above and below the cut.</p> <p>Explanatory Note: The CEMP provides an umbrella document that identifies the management processes and techniques to seek to ensure appropriate environmental management of the site. The preparation of and approval processes for the SSEMP's are undertaken in general accordance with the procedures outlined in the CEMP.</p>
	Chemical treatment (Flocculation)
E.55	All sediment retention ponds shall be chemically treated in accordance with the CTP required under Condition PCC.E.18 of this consent.
E.56	<p>Prior to the commissioning of chemical treatments for sediment management purposes, the Consent Holder shall provide GWRC with a Chemical Treatment Plan (CTP) for each stage of the works, or in association with a SSEMP, for confirmation by the Manager that it will achieve the standards set out in the ESCP required under Condition PCC.E.4.</p> <p>Each CTP shall be submitted to the Manager, for approval at least 20 working days prior to any flocculation works commencing within the relevant SSEMP.</p> <p>Each CTP shall include, but need not be limited to:</p> <p>(a) Specific design details of the chemical treatment system;</p> <p>(b) Monitoring, maintenance (including post-storm) and contingency programme (including a Record Sheet);</p> <p>(c) Details of optimum dosage (including catchment specific soil analysis and assumptions);</p> <p>(d) Procedures for carrying out an initial treatment trial;</p> <p>(e) A spill contingency plan;</p> <p>(f) A performance monitoring plan for device performance for sediment treatment; and</p> <p>(g) Details of the person or bodies that will hold responsibility for long-term maintenance of the chemical treatment system and the organisational structure which will support the system.</p>
	Site Specific Environmental Management Plans (SSEMPs)
E.57	<p>The consent holder shall prepare, submit and implement a Site Specific Environmental Management Plan (SSEMP) for the Waitangirua Link Road. The SSEMP shall be submitted to the Manager, for certification at least 20 working days prior to works commencing in each plan area. Suitably qualified environmental specialist(s) shall assist in the preparation of the SSEMP.</p> <p>(a) Each SSEMP as far as practicable meet the objectives in Condition PCC.E.2 and shall be in general accordance with the CEMP and shall include, but need not be limited to:</p> <p>i. a detailed design and construction methodology for all works within the area</p>

Reference	Proposed condition
	<p>covered by the SSEMP;</p> <ul style="list-style-type: none"> ii. details of any contractor appointed to carry out the works authorised by this consent, including the contractor's company, address, named representative and their contact details; iii. a detailed schedule of construction activities including the expected commencement date and duration of works in each location within the area covered by the SSEMP; iv. a staging of works to demonstrate that the area of disturbance will be kept to the minimum practicable; and v. evidence that a suitably qualified engineer has been appointed to carry out the overall design, supervision and certification of earthworks (including cut/fill batter stability and construction of all erosion and sediment controls). <p>(b) In respect of erosion and sediment control, the SSEMP shall be prepared in general accordance with the GWRC's <i>Erosion and Sediment Control Guidelines for the Wellington Region dated September 2002</i> and shall include, but not be limited to:</p> <ul style="list-style-type: none"> i. detailed design specifications of all earthworks within the SSEMP area, including disposal sites, and all erosion and sediment control measures to be implemented, including supporting calculations where appropriate; ii. the expected commencement dates for the implementation of erosion and sediment controls measures in the SSEMP area; iii. information regarding chemical treatment of the proposed sediment retention ponds and devices; iv. identification of innovative treatments for erosion control that are to be used; v. monitoring and maintenance schedules for all erosion and sediment control measures on a set frequency (at least weekly), or within 24 hours of each trigger rain event that is likely to impair the function or performance of the control measures; vi. a site plan showing contours at suitable intervals, cut and fill operations, the specific location of all sediment and erosion control measures, and catchment boundaries for the sediment controls; and vii. locating temporary stockpiles of excavated material at least 50m away from any ephemeral stream or permanent watercourse unless there is appropriate treatment of stormwater (which may include discharging to vegetated land). <p>(c) In respect of revegetation and rehabilitation activities, the SSEMP shall include, but not be limited to:</p> <ul style="list-style-type: none"> i. identification of soil resource to be used for rehabilitation within the SSEMP area; ii. identification of the vegetation types to be used on a plan or schedule; iii. a programme for revegetation and maintenance activities for a period of up to the 3 years; iv. the desired percentage of surface cover to be achieved to reduce the adverse effects from sediment-laden stormwater run-off; v. identification of any innovative treatments of exposed rock cuttings that are to be used; and vi. information demonstrating that as far as practicable the objectives in Condition PCC.E.2 are met.
E.58	The consent holder may request amendments to any SSEMP by submitting the amendments in writing to the Manager for approval, prior to any changes taking effect.
	Ecological monitoring
E.59	<p>The consent holder shall, in consultation with the Director-General of Conservation,</p> <p>(a) update and finalise the Draft Ecological Management and Monitoring Plan dated July 2011 to:</p> <ul style="list-style-type: none"> i. include performance measures, actions, methods, trigger levels and monitoring programmes;

Reference	Proposed condition
	<p>ii. provide for the continual review and monitoring of the effects of construction activities, including the inspection of all erosion and sediment control devices after all heavy rainfall events (i.e. where more than 15mm of rain falls in a 24 hour period), and the upgrading of devices where necessary to achieve the most efficient and effective treatment; and</p> <p>submit this to the Manager, for approval at least 20 working days prior to works commencing on any part of the Project.</p>
E.60	The consent holder shall engage a suitably qualified person to confirm the extent of any valued Natural Areas as specified in the Wellington Conservation Management Strategy 1996, RPS, Regional or District Plans prior to the commencement of works and shall develop the detailed design to avoid these areas as far as practicable. Any protection mechanisms for these areas shall be set out in the CEMP.
E.61	As far as practicable, measures shall be employed to minimise adverse effects on fish during construction of stream diversions and culvert installation.
	Fill standards
E.62	<p>All fill material used on site shall:</p> <p>(a) Be restricted to natural material, such as clay, soil and rock and other inert materials as detailed in the definition of cleanfill material in section 2.2 of the Ministry for the Environment publication 'A guide to the Management of Cleanfills, 2002', and</p> <p>(b) Be restricted to those materials listed as acceptable in table 4.1 of the Ministry for the Environment publication 'A guide to the Management of Cleanfills, 2002'.</p>
	Progressive stabilisation and staging of earthworks
E.63	The consent holder shall progressively stabilise exposed areas on completion of an area of cut or fill. Areas where future buildings or paved areas are proposed shall be temporarily stabilised with basecourse, grass, or other such material to the satisfaction of the Manager.

RC20 Land use consent for works in Duck Creek

Land use consent to undertake permanent works in the bed of Duck Creek, for the purpose of placing structures related to the construction of a road.

Reference	Proposed condition
PCC.WS.1	<p>The consent holder shall prepare and submit detailed design plans and construction methodology, including proposed duration and timing for all required structures and stream works authorised by this consent, to the Manager for approval at least 20 working days prior to works commencing.</p> <p>The detailed design plans and construction methodology shall include:</p> <ul style="list-style-type: none"> (a) measures/methods to ensure that fish passage is maintained during and on completion of construction works along the stretches of stream affected by the exercise of this consent; (b) details of culvert inlet/outlet protection structures e.g. pre-cast wing walls or rock rip-rap; (c) appropriate sizing of culverts and allowances for secondary flow paths during high flows; and (d) any other measures or details as appropriate to achieve compliance with all conditions of this consent.
PCC.WS.2	<p>The consent holder shall use natural rock and soil material, where practicable, to reclaim the stream bed. All fill material shall be placed and compacted so as to minimise any erosion and/or instability so far as is practicable.</p>
PCC.WS.3	<p>The consent holder shall ensure that all works authorised by this permit to be undertaken in the dry bed of the stream, are completed before the flow of the stream is diverted back into the stream bed.</p>
PCC.WS.4	<p>Works shall not commence until the detailed design plans and construction methodology required by Condition PCC.WS.1 of this consent have been certified by the Manager GWRC as being in general accordance with consent application plans.</p>
PCC.WS.5	<p>The Manager, shall be given a minimum of 20 working days notice in writing, prior to works commencing in each location (including any maintenance works).</p> <p>Explanatory Note: This condition excludes works/activities permitted by the Regional Freshwater Plan for the Wellington Region.</p>
PCC.WS.6	<p>The works shall remain the responsibility of the consent holder and shall be regularly inspected and maintained by the consent holder so that:</p> <ul style="list-style-type: none"> (a) the waterway within or over the culverts and fords remains substantively clear of debris; (b) any erosion of the stream banks or bed that is attributable to, and is within 20m up or downstream of, the stream works authorised by this consent are remedied as soon as practicable by the consent holder; and (c) fish passage through the culverts and fords is not impeded. <p>Explanatory Note: Maintenance does not include any works outside of the scope of the application. Any additional works (including structures, reshaping or disturbance to the stream bed) following completion of the construction works as proposed in the application, may require further resource consents.</p>