Proposed Draft Conditions

Designation Conditions

Guide to reading the designation conditions

The proposed designation conditions are numbered as follows

Numbering Format	Set of Proposed Conditions
DC	General Designation Conditions
BH	Built Heritage Conditions
LEP	Landscape and Ecological Planting Conditions
CM	General Construction Management Conditions
CNVM	Construction Noise and Vibration Management Conditions
WW	Wastewater Conditions

Designation Conditions

Reference Number	Condition
General Designation Conditions (DC)	
DC.1	Except as modified by the conditions below, and subject to final design, the Project shall be undertaken in general accordance with the information provided by the Requiring Authority in the Notice of Requirement dated November 2022.
DC.1A	Conditions DC, BH, LEP, CM, CNVM and WW of this designation shall only apply to the work described in the Project Description set out in the Notice of Requirement dated November 2022 and the altered area identified in the Designation Plans submitted as Attachment A of the Notice.
DC.2	Except where explicitly provided for, the construction related conditions of this designation do not apply to works associated with on-going operation and maintenance of the State highway following construction, such as changes to street furniture or signage over time. The provisions of section 176A of the RMA apply to on-going operation, maintenance or other works within the designation.
DC.3	As soon as practicable following Completion of Construction, the Requiring Authority shall: a. Review the extent of the area designated for the Project; b. In consultation with the relevant landowners, identify any areas of designated land that are no longer necessary for the on-going operation, maintenance or mitigation of effects of the Project; and

	c. Give notice to the Auckland Council Planning Manager (North-West) in accordance with section 182 of the RMA for the removal of those parts of the designation identified in (b) above.
DC.4	An Outline Plan or Plans shall be prepared in accordance with section 176A of the RMA. The Outline Plan or Plans shall include (but not limited to) the following plans for the relevant stage(s) of the Project: a. A Construction Management Plan (CMP) prepared in accordance with Condition CM 1 (including a Construction Traffic Management Plan (CTMP)); and b. A Construction Noise and Vibration Management Plan (CNVMP) prepared in accordance with Condition CNVM.1.
DC.5	The plans outlined in Condition DC.4 may be amended following submission of the Outline Plan(s) if necessary to reflect any changes in design, construction methods or management of effects. Any amendments are to be submitted to the Auckland Council Planning Manager Regulatory for information without the need for a further Outline Plan process, unless those amendments once implemented would result in a materially different outcome to that described in the original Plan. For the avoidance of doubt, this condition does not apply to any Site Specific Traffic Management Plan, Site Specific Construction Noise Management Plan, Site Specific Construction Vibration Management Plan, or other management plans required by the conditions of these designations. These management plans do not form part of the Outline Plan.
Built Heritage (BH) Conditions	
BH.1	Prior to demolition, the mid-20th century shed at 222A SH16 shall be recorded photographically and to a standard equivalent to Level 3, as set out in *Heritage New Zealand Pouhere Taonga 2018 Archaeological Guidance Series 1: Investigation and Recording of Buildings and Structures*. These photographs shall be submitted to Auckland Council Cultural Heritage Index team and Heritage New Zealand Pouhere Taonga for their information.
Landscape and Ecological Planting (LEP) Conditions	
LEP.1	Planting shall be implemented in general accordance with the Landscape and Ecological Planting Plan (Beca 2022) and: a. Wherever practicable following completion of construction; or b. As soon as areas become available for planting due to the progress of the works and seasonal conditions; and/or

	c. Within twelve months of completion of construction, unless the seasonal timing of works makes some planting impracticable in which case the planting can be done the following season.
Construction Management (CM) Conditions	
CM.1	At least 15 working days prior to commencement of works on the Project, the Requiring Authority shall prepare and submit a Construction Management Plan (CMP) to Auckland Council with the Outline Plan or Plans as required by DC.4. The purpose of the CMP is to set out the management procedures and construction methods to be undertaken in order to avoid, remedy or mitigate potential adverse effects arising from construction activities. The CMP shall include specific details relating to the construction and management of all works associated with the Project, including: a. Details of the site or project manager, including their contact details (phone, facsimile, postal address, e-mail address); b. The location of large notice boards that clearly identify the name, telephone number and address for service of the site or project manager; c. An outline construction programme of the works; d. Procedures detailing how the public, stakeholders, businesses and residents will be communicated with throughout the pre-construction and construction phases of the Project; e. Methods for engaging with Mana Whenua, to be developed in consultation with Mana Whenua; f. A CTMP to manage the various traffic management, safety and efficiency effects associated with works to: • Protect public safety including the safe passage of and connectivity for pedestrians and cyclists, particularly for school students travelling to and from school; • Minimise increases to existing delay to road users, public transport services, pedestrians and cyclists; • Minimise interruption to property access; • Inform the public about any potential impacts on the road network; • Minimise disruptions on the arterial road network; • Manage the effects on and/or any changes required to existing Over Dimension and Over Weight routes; and

	• Indicate likely time periods for road closures/detours and anticipated transport management procedures; g. A tree protection methodology prepared by an appropriately qualified arboricultural expert, which ensures no damage occurs to the Notable Trees located at 191 SH16 and that the trees identified in the Site Clearance Plans (Beca, 2022) that are then identified by the contractor as being unaffected by the Project construction and that can be retained and protected; h. Measures to protect services such as pipe and watermains within the legal road; i. Measures to be adopted to maintain the land in a tidy condition in terms of disposal/storage of rubbish, storage and unloading of building materials and similar construction activities; j. Location of workers offices and conveniences (e.g. portaloos); k. Procedures for controlling dust and the removal of soil, debris and demolition and construction materials from public roads and places. Dust mitigation measures should include use of water sprays to control dust nuisance on dry or windy days; l. Procedures for ensuring that residents in the immediate vicinity of construction areas are given prior notice of the commencement of construction activities and are informed about the expected duration of the works; m. Means of ensuring the safety of the general public; n. A risk assessment and protection measures to control potential risk of damage or nuisance from construction activities on the built heritage sites located at 191 SH16, 222A SH16, 238 SH16 (e.g. vehicle tracking, noise and dust management).
CM.2	The CMP shall address the following matters listed below in relation to Transpower. Prior to submitting the CMP to Council, the Requiring Authority shall consult with Transpower on these matters and provide details of any feedback or comments from Transpower within the CMP: a. Demonstrate how temporary and permanent works in the vicinity of overhead transmission assets shall be designed and undertaken to comply with the *New Zealand Electrical Code of Practice for Electrical Safe Distances 2001 (NZECP 34: 2001),* including components such as: • Maintenance of a 10m vertical clearance from the lines at all times; • Road design;

	• Traffic barriers (including protection specifically to protect towers); • Noise walls; • Lighting; • Signs; • Stormwater – culverts/ponds; • Shared pathways; • Landscaping; • Construction yards. b. Temporary and permanent works shall be designed to mitigate Earth Potential Rise (EPR) where the use of conductive materials for road infrastructure (e.g. signs, metallic barriers, lighting, noise walls) or relocated network utilities are within 50 metres of the Henderson-Maungatapere 110kV line and Henderson-Marsden 220kV line crossing SH16 (North-South). c. The CMP shall also include the following details: • Roles and responsibilities of staff and contractors responsible for implementation of the CMP; • Drawings showing proposed works in the vicinity of or directly affecting the Henderson-Maungatapere 110kV line and Henderson-Marsden 220kV line and the HEN-MPE-A-0027-Structure; • Proposed staff and contractor training for those working near the transmission assets; • Proposed methods to comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances 2001 (NZECP 34: 2001). • Proposed methods to: i. Maintain access to the HEN-MPE-A-0027-Structure for maintenance at all reasonable times, and emergency works at all times; ii. Delineate areas that are out of bounds during construction and areas within which additional management measures are required, such as fencing off, entry and exit hurdles, maximum height limits, or where a Transpower observer may be required; iii. Manage the effects of dust (including any other material potentially resulting from construction activities able to cause material damage beyond normal wear and tear) on the transmission lines;

	iv. Manage any changes to drainage patterns, runoff characteristics and stormwater to avoid adverse effects on foundations of any support structure; v. Manage construction activities that could result in ground vibrations and/or ground instability to avoid causing damage to transmission lines and support structures.
CM.3	The CMP shall be implemented and maintained throughout the entire construction period.
Construction Noise and Vibration Management (CNVM) Conditions	
CNVM.1	A Construction Noise and Vibration Management Plan (CNVMP) shall be prepared by a Suitably Qualified Person, to be submitted to Council with the Outline Plan or Plans as required by DC.4. The purpose of the CNVMP is to provide a framework for the development and implementation of Best Practicable Option for the management of construction noise and vibration effects, and to minimise any exceedance of the construction noise and vibration criteria set out in Conditions CNVM.2 and CNVM.3. The CNVMP shall be implemented for the duration of the construction works. The CNVMP shall: (a) Be prepared in accordance with Annex E2 of *New Zealand Standard NZS6803:1999 Acoustics – Construction Noise (NZS6806:1999)* and the *New Zealand Transport Agency's State Highway Construction and Maintenance Noise and Vibration Guide (version 1.1, August 2019)*. (b) Address, as a minimum, the following: i. Description of the works, anticipated equipment/processes and their scheduled durations; ii. Hours of operation, including times and days when construction activities would occur; iii. The construction noise and vibration criteria for the project; iv. Identification of affected houses and other sensitive locations where noise and vibration criteria apply; v. A hierarchy of management and mitigation options, including alternative strategies adopting the Best Practicable Option where full compliance with the relevant noise and/or vibration criteria cannot be achieved; vi. A procedure for developing and implementing the Schedules (as required by condition CNVM.4). vii. Methods and frequency for monitoring and reporting on construction noise and vibration;

	viii. Procedures for maintaining contact with stakeholders, notifying of proposed construction activities, the period of construction activities, and handling noise and vibration complaints; ix. Identification of major construction work areas and activities which are anticipated to generate noise and / or vibration levels which will require Schedules (in accordance with Condition CNVM.4) progressively and as soon as reasonably practicable, x. Procedures for the early engagement with the receivers; xi. Identification of buildings where vibration levels may exceed the Category A criteria (refer condition CNVM.3). Where this is the case, the following process shall be included in the CNVMP: a. A pre-construction building condition survey shall be carried out. The purpose of the survey is to determine the pre-construction condition, context and physical features of the buildings to form the basis of construction monitoring. b. The outcome of the survey shall be provided to the building owner within 15 working days following completion of the survey and a copy shall be provided to the Team Leader Compliance Monitoring North West. c. A post-construction condition survey shall be undertaken within 3 months following completion of construction in the vicinity of the building. The outcome of the survey shall be provided to the building owner following completion of the survey and a copy shall be provided to the Team Leader Compliance Monitoring North West. d. If any damage occurs that is verified as attributable to the construction works, the Requiring Authority shall (with the agreement of the building owner and subject to any additional approval required) make good the damage and advise the Team Leader Compliance Monitoring North West of the work undertaken. xii. Contact details of the site supervisor or project manager and the Requiring Authority's Project Liaison Person (phone, postal address, email address); xiii. Procedures for the regular training of the operators of construction equipment to minimise noise and vibration as well as expected construction site behaviours for all workers.

<table>
<tr>
<td>CNVM.2</td>
<td>Noise arising from construction activities shall be measured and assessed in accordance with New Zealand Standard NZS 6803:1999 Acoustics - Construction Noise and shall comply with the noise criteria set out in the following table where practicable:

Table CNVM1 Construction noise criteria

<table>
<tr><th>Day of week</th><th>Time period</th><th>$L_{Aeq(15min)}$</th><th>L_{AFmax}</th></tr>
<tr><td colspan="4">Occupied activity sensitive to noise</td></tr>
<tr><td rowspan="4">Weekday</td><td>0630h - 0730h</td><td>55 dB</td><td>75 dB</td></tr>
<tr><td>0730h - 1800h</td><td>70 dB</td><td>85 dB</td></tr>
<tr><td>1800h - 2000h</td><td>65 dB</td><td>80 dB</td></tr>
<tr><td>2000h - 0630h</td><td>45 dB</td><td>75 dB</td></tr>
<tr><td rowspan="4">Saturday</td><td>0630h - 0730h</td><td>55 dB</td><td>75 dB</td></tr>
<tr><td>0730h - 1800h</td><td>70 dB</td><td>85 dB</td></tr>
<tr><td>1800h - 2000h</td><td>45 dB</td><td>75 dB</td></tr>
<tr><td>2000h - 0630h</td><td>45 dB</td><td>75 dB</td></tr>
<tr><td rowspan="4">Sunday and Public Holidays</td><td>0630h - 0730h</td><td>45 dB</td><td>75 dB</td></tr>
<tr><td>0730h - 1800h</td><td>55 dB</td><td>85 dB</td></tr>
<tr><td>1800h - 2000h</td><td>45 dB</td><td>75 dB</td></tr>
<tr><td>2000h - 0630h</td><td>45 dB</td><td>75 dB</td></tr>
<tr><td colspan="4">Other occupied buildings</td></tr>
<tr><td rowspan="2">All</td><td>0730h – 1800h</td><td>70 dB</td><td></td></tr>
<tr><td>1800h – 0730h</td><td>75 dB</td><td></td></tr>
</table>

Where compliance with the noise criteria set out in Table CNVM1 is not practicable, then the methodology in Condition CNVM.4 shall apply.</td>
</tr>
<tr>
<td>CNVM.3</td>
<td>Construction vibration must be measured in accordance with ISO 4866:2010 Mechanical vibration and shock – Vibration of fixed structures – Guidelines for the measurement of vibrations and evaluation of their effects on structures. The Category A construction vibration criteria in Table CNVM2 must be complied with as far as practicable. If measured or predicted vibration from construction activities exceeds the Category A criteria, a Suitably Qualified and Experienced Person must assess and manage construction vibration during those activities. If measured or predicted vibration from construction activities exceeds the Category B criteria those activities must only proceed if vibration effects on</td>
</tr>
</table>

<table>
<tr><td></td><td>affected buildings are assessed, monitored and mitigated by a Suitably Qualified and Experienced Person.

Table CNVM2 Construction vibration criteria
<table>
<tr><th>Receiver</th><th>Details</th><th>Category A</th><th>Category B</th></tr>
<tr><td rowspan="2">Occupied Activities sensitive to noise</td><td>Night-time 2000h - 0630h</td><td>0.3mm/s ppv</td><td>1mm/s ppv</td></tr>
<tr><td>Daytime 0630h - 2000h</td><td>1mm/s ppv</td><td>5mm/s ppv</td></tr>
<tr><td>Other occupied buildings</td><td>Daytime 0630h - 2000h</td><td>2mm/s ppv</td><td>5mm/s ppv</td></tr>
<tr><td rowspan="2">All other buildings</td><td>At all other times
Vibration transient</td><td>5mm/s ppv</td><td>BS 5228-2*
Table B2</td></tr>
<tr><td>At all other times
Vibration continuous</td><td>5mm/s ppv</td><td>BS 5228-2*
50% of Table B2 values</td></tr>
</table></td></tr>
<tr><td>CNVM.4A</td><td>Unless otherwise provided for in a CNVMP, a Construction Noise or Vibration Management Schedule (Schedule) to the CNVMP shall be prepared by a Suitably Qualified and Experienced Person, in consultation with the owners and occupiers of sites subject to the Schedule:
a. Where nighttime (2200-0700) construction works are being undertaken and dwellings are located closer than 25m from the works area; OR when:
b. Construction noise is either predicted or measured to exceed the criteria in Condition CNVM.2.
c. Construction vibration is either predicted or measured to exceed the Category A standard at the receivers in Condition CNVM.3.</td></tr>
<tr><td>CNVM.4B</td><td>The objective of the Schedule in CNVM.4A is to set out the best practicable option for the management of noise and vibration effects of the construction activity. The Schedule shall as a minimum set out:
a. Construction activity location, start and finish dates;
b. The predicted noise/vibration level for the construction activity;
c. The mitigation options that have been selected and the options that have been discounted as being impracticable and the reasons why. The</td></tr>
</table>

	mitigation options shall take into account where practicable, the use of the site and/or any operational requirements of the site; d. The proposed noise/vibration monitoring regime; and e. Document the consultation undertaken with owners and occupiers of sites subject to the Schedule, and how consultation outcomes have and have not been taken into account. The consultation shall be in addition to the requirements set out in Condition CMP.1.
CNVM.4C	The Schedule in condition CNVM.4A shall be submitted to the Team Leader Compliance Monitoring North West for information, in advance of Construction Works which are covered by the scope of the Schedule, except in unforeseen circumstances.
CNVM.4D	The Schedule in condition CNVM.4A shall be implemented for the duration of the construction works which are covered by the scope of the Schedule.
Wastewater (WW) Condition	
WW.1	The Requiring Authority will be responsible for all onsite service relocations required for construction of the Project. The Requiring Authority shall work with private property owners at 238 SH16, 264 SH16, 264A SH16, 1404/1368 Coatesville Riverhead Highway and 340 SH16 to develop methodologies and timing for any relocations of private onsite wastewater systems that are necessary a result of the Project.

Resource Consent Conditions:

General

1. The construction, use, and stormwater discharge from the road activity shall be carried out in general accordance with the General Arrangements Sheets 1 – 13 (3235084-CA) and all referenced as consent numbers [XXXXXXXX]
2. Where there is inconsistency between:
    a. The General Arrangements referred to in Condition 1 above and these conditions, these conditions shall prevail;
    b. The General Arrangements referred to in Condition 1 above and further information presented post lodgement and/or at any Hearing, the most recent information and plans shall prevail.
3. Under section 125 of the RMA, these consents lapse five years after the date it is granted unless:
    a. The consent is given effect to; or
    b. The council extends the period after which the consent lapses.

Land use Consent – LUCXXXXXXXX

Pre-commencement Meeting

4. Prior to the commencement of any works authorised under this consent, the consent holder shall hold a pre-start meeting that:
    a. is located on the subject site;
    b. is scheduled not less than five (5) working days before the anticipated commencement of works;
    c. includes Auckland Council Compliance Monitoring officer[s];
    d. includes representation from the contractors who will undertake the works.

    The meeting shall discuss the erosion and sediment control measures to be implemented and shall ensure all relevant parties are aware of and familiar with the necessary conditions of this consent.
5. The following information shall be made available by the consent holder to Council at least ten (10) working days prior the pre-commencement meeting:
    a. Timeframes for key stages of the works authorised under this consent;
    b. Resource consent conditions;
    c. Erosion and Sediment Control Plan (ESCP) (including Site Specific plans);
    d. Contact details of the site contractor and site stormwater engineer; and
    e. Construction plans, including design details of the stormwater devices.

General Earthworks Conditions

6. Prior to the commencement of earthworks activity in any given area of the site, all required erosion and sediment control measures on the subject site shall be constructed and/or installed in accordance with the ESCP submitted as appendix Q with the Assessment of Environmental Effects report (Beca, 2022).

7. The operational effectiveness and efficiency of all erosion and sediment control measures specifically required as a condition of resource consent or by the ESCP shall be maintained throughout the duration of earthworks activity, until the site is permanently stabilised against erosion.

8. There shall be no deposition of earth, mud, dirt or other debris on any public road or footpath resulting from earthworks activity on the subject site. In the event that such deposition does occur, it shall immediately be removed. In no instance shall roads or footpaths be washed down with water without appropriate erosion and sediment control measures in place to prevent contamination of the stormwater drainage system, watercourses or receiving waters.

Advice Note:

In order to prevent sediment laden water or any contamination (including from material within the 'kauri contamination zone') entering waterways from the road, the following methods may be adopted to prevent or address discharges should they occur:

- *provision of a stabilised entry and exit(s) point for vehicles*
- *provision of wheel wash facilities*
- *ceasing of vehicle movement until materials are removed*
- *cleaning of road surfaces using street-sweepers*
- *silt and sediment traps*
- *catchpit protection or environpods*

In no circumstances should the washing of deposited materials into drains be advised or otherwise condoned.

9. All earthworks shall be managed to minimise any discharge of debris, soil, silt, sediment or sediment-laden water beyond the subject site to either land, stormwater drainage systems, watercourses or receiving waters. In the event that a discharge occurs, works shall cease immediately and the discharge shall be mitigated and/or rectified to the satisfaction of the Team Leader Compliance Monitoring North West.

10. The site shall be progressively stabilised against erosion at all stages of the earthwork activity, and shall be sequenced to minimise the discharge of contaminants to groundwater or surface water in accordance with the ESCP/s.

11. No earthworks on the site shall be undertaken between 30 April and 1 October in any year, without the prior written approval of the Team Leader Compliance Monitoring North West at least two weeks prior to 30 April of any year. Revegetation/stabilisation is to be completed by 30 April in accordance with measures detailed in GD05 and any amendments to this document.

Riparian Vegetation Clearance Fauna Management

Bat Survey

12. At least 5 working days prior to the commencement of works around the Ngongetepara Stream and clearance of large trees within the road reserve, a Bat Roost Survey shall be conducted by a specialist bat ecologist, certified by the Department of Conservation (DOC), who must carry out the following actions:

    a. Supervise any tree felling as part of riparian vegetation clearance. Any trees to be felled that have a DBH >15 cm will be assessed for roost features using the roost identification criteria from the Bat Roost Protocol;

    b. Where any Moderate or High value roost trees are found, they must be monitored for bat activity for a minimum of two nights immediately prior to tree felling.

13. Where any bat roost is confirmed, the tree must be clearly marked and retained, and DOC must be informed.

14. Notification of the Bat Survey outcomes shall be provided to Council Compliance Monitoring North West within 5 working days of completion of the Bat Survey.

Myrtle Rust & Kauri Dieback

15. Prior to any Myrtaceae species being delivered to the site, a signed Myrtle Rust Nursery Management Declaration that certifies that the plant producer has implemented the New Zealand Plant Producers Incorporated Myrtle Rust Nursery Management Protocol must be obtained by the consent holder. A copy of the declaration must be provided to Council within 5 working days of being obtained.

Advice note:

The New Zealand Plant Producers Incorporated has developed a framework of supply chain biosecurity protocols that will satisfy the above condition. A copy of the Myrtle Rust Nursery Management Declaration and the New Zealand Plant Producers Incorporated Myrtle Rust Nursery Management Protocol can be found at the website (http://nzppi.co.nz/). The website explains that a declaration signed by the plant provider will be proof that any Myrtaceae species have been grown and treated according to best practice protocols to reduce the spread of Myrtle rust.

16. As New Zealand kauri trees (*Agathis australis*) (and soil and material surrounding them) may contain the pathogen that causes kauri dieback (*Phytophthora agathidicida* (formerly PTA)) strict hygiene procedures are required when works occur on or around kauri trees so as to avoid the spread of kauri dieback. All vegetation, soil, and other material from within a "kauri contamination zone" (defined as 3 (three) x the radius of the canopy dripline of any kauri tree) must remain on site or be taken to an approved landfill facility. For further information please contact the Kauri Dieback Programme on 0800 NZ KAURI (69 52874) or visit the website www.kauridieback.co.nz.

17. Any material (including soil) from within the "kauri contamination zone" which is to be removed to an approved landfill facility must then be buried within the ground. Where the material is to be loaded onto the back of an open top vehicle, the material must be covered with a tarpaulin (or similar) to prevent the material from leaving the vehicle whilst it is in motion. After the material has been emptied from the truck, the areas of the truck which were previously exposed to the material and the tarpaulin must be thoroughly washed with Sterigene (or other suitable agent) prior to the truck or tarpaulin being used for the transportation of any other material.

18. All footwear, clothing, tools, vehicles and equipment used on site must be cleaned of all soil, vegetation, or other material that has, or may have, come from a kauri contamination zone and must be thoroughly washed with Sterigene (or other suitable agent) on entry and exit from the site, on every occasion, to avoid the spread of kauri dieback.

    Advice Note

    Further advice can be found within the guidelines titled 'Hygiene Procedures for Kauri Dieback' and 'Procedures for Tree Removal and Pruning' published by the Ministry for Primary Industries Kauri Dieback Management Programme which can be found at www.kauridieback.co.nz or copies can be obtained from Auckland Council.

Vegetation and Tree Removal Fauna Management

19. Prior to any riparian vegetation or general tree clearance during the main native bird nesting season (October to February), a suitably qualified and experienced person shall visually inspect all trees and shrubs, including checking cavities and hollows, proposed for removal within one week of felling to identify any active nests. Should any nesting be observed, a 10 metre buffer of vegetation shall be required to remain around the nest site until a suitably qualified and experienced person has confirmed that the nest has failed or the chicks have hatched and naturally left the natal site. Following inspection and confirmation of absence of nesting birds, the consent holder shall submit a completion report to the Council Monitoring Officer for information.

Lizard Survey, Lizard Plan & Management

20. The consent holder shall employ a suitably qualified and experienced ecologist/herpetologist, who must carry out the following actions prior to the commencement of removal of any vegetation from the site:

    Skinks

    a. Place Artificial Cover Objects or Live Capture Traps (e.g. pitfall traps or funnel traps which need to be checked daily by a suitably qualified and experienced ecologist/herpetologist) on site for a continuous period of at least five days and nights); or
    b. Undertake any other scouting/surveying method agreed with the Team Leader Compliance Monitoring North West.

    All native skinks captured shall be relocated to a suitable location on site.

    Geckos

    a. Spotlight for a minimum of three nights in climatic weather conditions that the suitably qualified and experienced ecologist/herpetologist considers are appropriate; or
    b. Undertake any other scouting/surveying method agreed with the Team Leader Compliance Monitoring North West.
    c. Geckos able to be removed shall be relocated to a suitable location on site.

21. Following the scouting/surveying required above in condition 20 and prior to any vegetation removal, if any native lizards are found to be present on site, a suitably qualified and experienced ecologist/herpetologist must prepare a Lizard Management Plan (LMP) to ensure the relocation of any native lizard species found in the locations surveyed. The LMP shall be submitted to Team Leader Compliance Monitoring North West for certification. If the Council has not provided a response within 10 working days of the submission of the LMP, it will be deemed to be certified.

22. The LMP shall include details of the measures to be executed to capture and relocate any native lizards from where they are found with the works area prior to the commencement of construction work where reasonably practicable. The LMP shall include the following requirements:

    a. The LMP shall be implemented by a herpetologist with DOC authority;
    b. The capture of any native lizards shall occur at the time vegetation is removed from the site prior to construction activity commencing;
    c. The capture shall be carried out in suitable weather conditions; and

d. The relocation of any lizards captured, and where necessary the storage of lizards prior to relocation, shall be undertaken by the project herpetologist or an equivalent person with DOC authority.

Works within the Root Zone

23. Prior to any works commencing on the site in the vicinity of any of the trees identified in the Site Clearance Plans for retention, a meeting should be held at the site to discuss all issues pertaining to the protection of the trees and to gain a common understanding of the relevant conditions. Present at the meeting should be:

    a. The consent holder or consent holder's contractor;
    b. The site foreman or project manager;
    c. The worksite supervisory arborist;
    d. Council Compliance Officer;
    e. Any other relevant personnel.

    The following shall be discussed at the meeting:

    a. Construction and earthworks methodology in proximity to the trees including the location of fencing required by condition 24;
    b. Measures to comply with conditions 24 – 30.

24. Protective fencing should be installed wherever practicable at the root zone edge of trees being retained. This fencing shall remain in place for the duration of the project works (when works are being carried out in adjacent areas) in order to best protect the subject trees. The fencing is to be rent-o-style 1.8 metre steel mesh sections. The location of this fencing is to be confirmed and approved at the pre-commencement meeting.

25. Temporary relocation of the fencing can be undertaken at the point when specific works are to be carried out within the root zones of the identified trees, with the fencing to be re-erected following that specific activity.

26. The following activities shall not take place within the protective fences or the root zone of any tree that is proposed for retention;

    a. Storage of materials, spoil or equipment of any sort;
    b. Discharge or washings from fuels, oils or other toxic liquids including paint and concrete;
    c. Passage of vehicles or machinery – unless located on existing hard surfaces or approved by the works arborist and appropriate ground protection measures are put in place to reduce compaction of the ground

(e.g. track-mats and/or a layer of mulch). Materials shall be installed progressively from the previously metalled surface where practicable.

27. The worksite supervisory arborist shall be present during any excavations (including the removal of hard surfaces) through the root zone of any tree to be retained. Any scraping of soil within the root zone of trees shall be discussed and approved by the works arborist, prior to works commencing.

28. Any roots encountered that originate from trees proposed for retention shall be treated by the works supervisory arborist in accordance with modern arboricultural practice and retained where practicable. Retained roots shall be prevented from drying out with a layer of hessian, and protected from concrete with a barrier of polythene.

29. Any pruning of trees is to be undertaken by a suitably qualified and experienced arborist in accordance with modern arboricultural practice. All pruning is to be undertaken in consultation with the consent holder's appointed works supervisory arborist.

30. Any silt fencing that is to be installed through the root zone of any tree that is proposed for retention shall not be toed into the ground in an excavated trench. Rather, mulch-filled filter socks shall be used to anchor the fence appropriately.

    Advice Note:

    Compliance with all conditions of consent relating to tree protection shall be monitored by the appointed works supervisory arborist - with the detail of each visit and communication being logged. The completed log shall be provided to the consent holder at the completion of the project to serve as a compliance report.

Landscape and Ecological Planting Maintenance and Monitoring

31. Prior to any revegetation commencing <u>within the banks of watercourses at Ngongetepara Stream, Kumeū River, 429 SH16 and 436 SH16 and wetlands at 436 SH16 and 522 SH16</u>, a Landscape and Ecological Planting Monitoring and Maintenance Plan shall be prepared for certification by Council and include the following information:

    a. Planting methodologies;

    b. A monitoring and maintenance plan for the revegetation areas for at least 5 years or until 90% canopy cover is achieved;

    c. Details of proposed pest plant control and the methodologies for replacement of any riparian plants that fail to establish or die during this time.

If the Council (Team Leader Compliance Monitoring North-West) has not provided a response within 10 working days of the submission, it will be deemed to be certified.

32. Prior to any revegetation commencing within rural zones, a Landscape and Ecological Planting Monitoring and Maintenance Plan shall be prepared for certification by Council and must include the following information:

    a. Planting methodologies;

    b. A maintenance regime including monitoring and reporting requirements, which is to apply for the 2 years following that planting being undertaken;

    c. Details of proposed pest plant control and the methodologies for replacement of any riparian plants that fail to establish or die during this time.

    If the Council (Team Leader Compliance Monitoring North-West) has not provided a response within 10 working days of the submission, it will be deemed to be certified.

33. All revegetation planting shall be implemented in the planting season (May – September (inclusive)) immediately following completion of construction works and be undertaken in accordance with the Landscaping and Ecological Planting Plan prepared by Beca Ltd. Written confirmation in the form of a Planting Completion Report shall be provided to the Council for information, within 30 working days of the planting works at the above listed sites being completed. This report shall confirm the species and number of plants planted and that the planting has been completed in accordance with the approved plans.

34. All plants shall be eco-sourced from the Rodney Ecological District.

35. Revegetation planting shall be maintained in accordance with the Landscape and Ecological Planting Monitoring and Maintenance Plans required by conditions 31 and 32 for a period of 2 years from submission of the Planting Completion Reports required in condition 33.

Contaminated Soils

36. Prior to excavation and construction works commencing, the Consent Holder shall undertake a Detailed Site Investigation at the 21 properties identified within the Preliminary Site Investigation prepared by Beca 2022.

37. Prior to excavation and construction works commencing, the Consent Holder shall update the draft Contaminated Site Management Plan (CSMP) in accordance with condition 38 to include a summary of the findings of the Detailed Site Investigations required by condition 36. The updated CSMP shall be submitted to Council as part of the Construction Management Plan. All construction work shall be completed in accordance with the CSMP.

38. The updated CSMP shall describe how land disturbance activities on contaminated sites will be managed, including:

a. Health and safety requirements (including use of appropriate PPE and decontamination);

b. Unexpected contamination protocols ;

c. Methods for managing excavation and storage of soil (including erosion and sediment controls, dust and odour controls, surface water control and monitoring, imported fill requirements, and stockpile management);

d. Methods for classifying and managing transport, disposal (at an appropriate facility) and tracking of spoil and other material taken away from site;

e. How any spills and emissions will be managed; and

f. Site validation reporting requirements.

39. The Council shall be informed, in writing, at least ten (10) working days prior to the start date of the works authorised by this consent.

40. Where contaminants are identified that have not been anticipated by the consent, the unexpected contamination protocols in the CSMP shall be implemented, including notifying the Team Leader Compliance Monitoring North West. Any unexpected contamination and contingency measures implemented shall be documented in the Works Completion Report required by Condition 40 below.

41. Within three (3) months of the completion of earthworks on the site, a Works Completion Report shall be submitted to the Council for information. The Works Completion Report shall be prepared by a Suitably Qualified and Experienced Person and contain sufficient detail to address the following matters:

    a. A summary of the works undertaken, including the location and dimensions of the excavations carried out and the volume of soil excavated and removed from the site;

    b. Details and results of any testing undertaken and interpretation of the results in the context of the NES:CS, and the AUP OP;

    c. Records/evidence of the appropriate disposal for any material removed from the site;

    d. Records of any unexpected contamination encountered during the works and response actions, if applicable;

    e. Conditions of the final site ground surface and details of any validation sampling undertaken on materials re-used on site or imported to site;

    f. Reports of any complaints, health and safety incidents related to contamination, and/or contingency events during the earthworks; and

    g. A statement certifying that all works have been carried out in accordance with the requirements of the consent and CSMP, otherwise providing details of relevant breaches, if applicable.

Specific Conditions – Discharge of Contaminants DISXXXXXXXX

Expiry Date

42. Contamination Discharge Consent DISXXXXXXXX shall expire ten (10) years from the date of issue unless it has been surrendered or cancelled at an earlier date pursuant to the RMA.

Contamination

43. All excavations shall be managed in accordance with the ESCP and CSMP to minimise any discharge of debris, soil, silt, sediment or sediment-laden water from the subject site to either land, stormwater drainage systems, watercourses or receiving waters.

44. Potentially contaminated soils and material identified for off-site disposal shall primarily be loaded directly into trucks and shall be covered during transportation off site. If required, temporary stockpiles of soils free from separate phase hydrocarbons or odorous petroleum hydrocarbons shall be located on an impermeable surface within an area protected by erosion and sediment controls and be covered with tarpaulins anchored at the edges outside working hours and during periods of heavy rain. Stockpiling of material containing separate phase hydrocarbons or odorous petroleum hydrocarbons shall not take place.

45. Any perched groundwater or retained surface water run-off encountered within the excavation area requiring removal shall be considered potentially contaminated, and shall either:

    a. Be dewatered to a soakage cell (sump) within the site, located within 100m of its source; or

    b. Be disposed of by a licenced liquid waste contractor; or

    c. Pumped to sewer, providing the relevant permits are obtained; or

    d. Discharged to the stormwater system or surface waters provided a Suitably Qualified and Experienced Person verifies that the contaminant levels are likely to comply with the Australian and New Zealand Environment Conservation Council (ANZECC) Guidelines for Fresh and Marine Water Quality (2000) for the protection of 80 percent of freshwater species, with the exception of benzene where the 95 percent protection level shall apply.

Specific Conditions - Stormwater Discharge DISXXXXXXXX

Expiry Date

46. The stormwater diversion and discharge permit shall expire 35 years from the date of issue unless it has lapsed, been surrendered or been cancelled at an earlier date pursuant to the RMA.

Stormwater Management Works

47. The following stormwater management works shall be constructed for the following catchment areas and in general accordance with the design requirements, and shall be completed prior to discharges commencing from the site during the operation period:

Works to be undertaken	Approximate Impervious Road Area (m^2) per device name	Design requirements
Planted and grassed Retention/ Detention Swale (Road Catchment only) *Check Dams within swale	8230 – DP4 – swale N(east)* 1420 – DP4-swale N(West)* 2780 – DP5- Swale F 2910 – DP5-Swale F-ONR (old north Road) 4460 – DP6 Swale I 1380 – DP6-Swale J 570 – DP6-swale G* 8051 – DP7-Swale K 1860 – DP8- Swale L (Grassed Only) 1930 – DP9 – Swale S	75% TSS removal by achieving minimum 9min residence time as per Stormwater Management Devices in the Auckland Region Guidance Document 01 (GD01) or NZTA, Stormwater Treatment Standard for State Highway Infrastructure. Stormwater Management Area Flow – 1 requirement (5mm retention) through discharge into retention swale.
Planted and Grassed Treatment Swale *Check Dams within swale	7320 – DP1-Swale C* 1840 – DP3-Swale D 5210 – DP6-Swale H (existing replicated)	75% TSS removal by achieving minimum 9min residence time as per GD01 or NZTA Stormwater Treatment Standard for State Highway Infrastructure.
Proprietary Treatment Devices (Kennedy Road impervious)	10348 of SH16 and 658 of Kennedy Road - SWTR-A1.2 – DP1 1800 – SWTR-C1.2 – DP1	75% TSS removal on long term average basis (GD01) and in accordance with Waka Kotahi, Stormwater Specification Manufactured Treatment Device Radial Media Filled Filter Cartridge, proprietary device requirements. Installed as per manufacturers' requirements.

		Treatment devices to be either in offline configuration or with built-in peak flow bypass
New and replaced Outfalls (Impervious of Road, Shared Use Path and Maximum Probable Development catchment)	23,160 - DP1-Outfall A (replacement) 2,940 - DP1-Outfall B (replacement) 11,990 - DP1-Outfall C (replacement) 12,100 - DP4 – Outfall N(east) 916 – DP6 – Outfall G 15,460 – DP6 – Outfall H (amending) 12,000 – DP6 Outfall I (replacement) 2100 – DP6 – Outfall J (replacement) 20,435 – DP7 Outfall K 7620 – DP8 Outfall L (replacement) 4370 – DP11 Outfall Q (replacement) 1017 – DP11 Outfall R	Erosion protection measures to minimize scour and erosion potential in accordance with Auckland Council TR2013/018 or Austroads Part 5B. Rock riprap apron at head walls and continue riprap as shown on the plans.
Secondary Flow Discharge	OLFP DP 2 OLFP DP 3	Erosion protection measures to minimize scour and erosion potential in accordance with Auckland Council TR2013/018 or Austroads Part 5B.

Advice Notes:

Impervious catchment area is approximate only.

Any changes to the proposal which will affect the capacity or performance of the stormwater management system or will result in a change to the conditions of this consent will require an application to Council pursuant to Section 127 of the RMA. Minor modifications are however acceptable. An example of a minor modification can be a change to the location of a pipe or slight changes to the site layout.

48. Prior to the commencement of the construction of any stormwater devices onsite, the consent holder shall hold a pre-construction meeting, that:

    a. Is located at the subject area;

    b. Is scheduled not less than five working days before the anticipated construction of any stormwater devices on the site;

    c. Includes the Team Leader - Compliance Monitoring representatives; and

    d. Includes representation from the site stormwater engineer or contractors who will undertake the works and any other relevant parties.

    The following information shall be made available at the pre-construction meeting:

    a. Timeframes for key stages of the works authorised under this consent;

    b. Contact details of the site contractor and site stormwater engineer; and

    c. Construction plans approved (signed/stamped) by an Auckland Council Development Engineer.

Certification of Stormwater Management Works (As-Built Plans)

49. As-Built plans of the stormwater management works, which are certified (signed) by a registered surveyor as a true record of the stormwater management system, shall be provided to the Team Leader Compliance Monitoring North West.

50. The As-Built plans shall display the entirety of the stormwater management system, and shall include:

    a. the surveyed location and level of the discharge structures and stormwater devices, with co-ordinates expressed in terms of NZTM and LINZ datum (tolerance allowance to the nearest 0.1m for location and nearest 0.01m for the level);

    b. location, dimensions and levels of any overland flowpaths including cross sections and long sections;

    c. plans and cross sections of all stormwater management devices, including confirmation of the Water Quality Volume, storage volumes and levels of any outflow control structure(s);

    d. Documentation of any discrepancies between the design plans and the As-Built plans.

Operation and Maintenance Plan

51. A Stormwater Operation and Maintenance Plan (SOMP) for the stormwater management system shall be submitted to the Council upon completion of the installation of the stormwater works for certification.

52. The SOMP shall set out how the stormwater management system is to be operated and maintained to ensure that the stormwater management devices are maintained to achieve their desired design function. The plan shall include:

a. Details of who will hold responsibility for long-term maintenance of the stormwater management system and the organisational structure which will support this process;

b. A programme for regular maintenance and inspection of the stormwater management system;

c. A programme for the collection and disposal of debris and sediment collected by the stormwater management devices or practices;

d. A programme for post storm inspection and maintenance;

e. A programme for inspection and maintenance of the outfalls;

f. A programme for ensuring all overland flow paths and secondary overland flow paths remain free from obstruction;

g. General inspection checklists for all aspects of the stormwater management system, including visual checks; and

h. A programme for inspection and maintenance of vegetation associated with the stormwater management devices.

Advice note:

The long-term maintenance of the proprietary device will need to be undertaken by a Suitably Qualified and Experienced Person.

In this case, the Suitably Qualified and Experienced Person shall be limited to an appropriate and suitably qualified stormwater system management operator.

53. The Consent Holder shall ensure that the stormwater management system is managed in accordance with the SOMP.

Advice note:

The long-term maintenance of the proprietary device will need to be undertaken by a Suitably Qualified and Experienced Person.

In this case, the Suitably Qualified and Experienced Person shall limit to an appropriate and suitably qualified stormwater system management operator.

Amendments to the Stormwater Operation and Maintenance Plans (SOMP)

54. At least 20 working days prior to implementation of any changes to the SOMP, the details or any amendments or alterations to the details within the SOMP shall be submitted to the Council in writing for certification.

Streamworks Conditions - LUSXXXXXXXX

All conditions relating to works within streams and wetlands (conditions 54 – 56) apply to the following sites only:

- Ngongetepara Stream;
- Kumeū River;
- 429 SH16
- 436 SH16
- 522 SH16

55. Prior to the commencement of works, an assessment shall be undertaken by a Suitably Qualified and Experienced Person to confirm whether the streams or wetlands contain a sufficient amount and flow of water to contain native freshwater fish. If the water levels are sufficient to contain native fish, the consent holder shall submit a Native Fish Capture and Relocation Plan (NFCRP) to the Council for certification prior to any works within streams or wetlands commencing. If the Council has not provided a response within 15 working days of the submission of the site specific ESCP, it will be deemed to be certified.

    Advice note:

    In this case, a Suitably Qualified and Experienced Person shall limit to a freshwater ecologist or ecologist with experience undertaking native fish capture and relocation

56. The NFCRP required under condition 55 will be developed and implemented to minimise any potential impacts to native fish where works is required around and within streams or wetland. This management plan should contain the following details:

    a. Procedures to salvage and safely relocate the native fish out of any impact zone prior to works being undertaken;
    b. Permitting requirements;
    c. Habitat isolation;
    d. Fish capture methodologies and timing;
    e. Pest management;
    f. Release sites;
    g. Post-relocation monitoring; and
    h. Incidental kill and harm minimisation protocols.

57. Should a NNFCRP be required by condition 55 above, a Suitably Qualified and Experienced Person shall undertake native fish salvage in accordance with the approved Native Fish Capture and Relocation Plan prior to dewatering.