

Attachment A: Amendments to Stage 1B1 Papakura to Drury Proposed Condition Set

Underlined text is the requested amendment

Individual / Entity	Requested Amendments	Waka Kotahi Response
Auckland Council	<p>Arboriculture AB.1 All works within the protected root zone of trees to be retained shall be supervised <u>by a qualified (Works) Arborist experienced in earthworks in close proximity to protected trees.</u></p> <p><u>Where works will involve protected trees and vegetation, a pre-start site meeting is required between a Contractors representative and the Appointed Works Arborist to clarify the nature and extent of the tree protection measures to be undertaken, and the necessity to ensure that the Works Arborist is present to supervise all works that occur within the rootzone of retained protected trees.</u></p> <p>Archaeology (two additions requested; note also AC considers HHMP condition is not current and refers to a set the Council is using on other Waka Kotahi projects)</p> <ol style="list-style-type: none"> <u>All project works that have the potential to affect post-1900 historic heritage sites [Camp Hilldene (World War 2) CHI17018; Herkts Garage (1929) CHI15990; Ngakoroa stream pool south of Bremner Road bridge CMA (no identifier, c.1920)] are monitored by the nominated heritage specialist(s).</u> <u>At the completion of the Historic heritage investigation component of the Project Works, the consent holder must submit a report to Council (Manager: Monitoring in consultation with Manager: Heritage Unit) that certifies that all works have been completed in accordance with the requirements of the HHMP. The report must be prepared by the nominated heritage specialist(s). It is expected that the final report/s from all archaeological and historic heritage investigations will be supplied to Monitoring within 12 months of completion of the works.</u> <p>Contaminated Land New condition CL.1: <u>At least 20 working days prior to the commencement of earthworks, a Detailed Site Investigation (DSI) must be submitted to the council for review and certification. The DSI must:</u></p> <ol style="list-style-type: none"> <u>Detail sampling undertaken to characterise the site's contamination profile in accordance with the Draft Contaminated Site Management Plan submitted with the Application</u> <u>Be prepared in accordance with the Contaminated Land Management Guidelines No.1 & No.5: (Ministry for the Environment, revised 2011);</u> <u>Include a map of sampling locations and tabulated sampling results;</u> <u>Include an interpretation of the sampling results against the Soil Contaminant Standards (SCShealth) for the protection of human health as set out in the National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health (NES:CS) and the Permitted Activity soil acceptance criteria detailed by Standard E30.6.1.4 of the AUP(OP); and</u> <u>Be prepared by a Suitably Qualified and Experienced contaminated land Practitioner (SQEP).</u> <p>Amend proposed condition CL.1 by replacing with the following: <u>At least 20 working days prior to the commencement of earthworks, a revised Contaminated Site Management Plan (CSMP) must be prepared by a Suitably Qualified and Experienced Practitioner and submitted to the Manager for certification. These</u></p>	<p>Condition AB.1 states all works are to be supervised and in accordance with the assessment prepared by Peers, Brown Miller Ltd. The Assessment includes:</p> <ul style="list-style-type: none"> - Appointment of a site supervisory arborist - Holding a pre-start meeting (attendees and matters to be discussed are specified) <p>The Auckland Council requested amendments are addressed by the lodged conditions which include references to supporting documentation. The requested amendments would make the conditions overly lengthy and duplicate information already contained in the condition set.</p> <p>Condition HH.1 is based on the SGA HAMP condition, with some variations appropriate to Stage 1B1. The preference is to use the lodged condition rather than earlier versions used on other Waka Kotahi projects as this project will sit within a network of SGA projects in the south of Auckland and consistency across adjacent projects will aid in their implementation and monitoring.</p> <p>Regarding the two requested additions:</p> <ul style="list-style-type: none"> - HH.1(c)(iii) requires the HHMP to identify <i>Methods for managing any unrecorded archaeological sites or post-1900 heritage sites within the designation, which shall also be documented and recorded.</i> Given this the Auckland Council requested addition 1 is not considered necessary. - The Auckland Council request for a completion report is not considered necessary, however, Waka Kotahi proposed the following addition to HH.1: <p>HH.1 <u>(d) At the completion of the Historic heritage investigation component of the Project Works the Requiring Authority will provide confirmation from the Project Archaeologist to the Manager that all works have been completed in accordance with the requirements of the HHMP.</u></p> <p>A DSI is not a requirement of the AUP or NES Soil when considering consents under either of those documents. Absence of a DSI increases the status of consent required. Without a DSI, a consent for a Discretionary Activity consent is required, which has been sought as part of the 1B1 application.</p> <p>A draft Contaminated Site Management Plan (CSMP) was submitted with the application and included condition CL.1 which requires the plan to be updated with the results of any further sampling. The draft CSMP has been prepared with reference to the Ministry for the Environment's Contaminated Land Management Guidelines No. 1: Reporting on Contaminated Sites in New Zealand (2016 Revised Draft) and is intended to provide for the management of soil and water during the Project works.</p> <p>On this basis the recommended new condition CL.1 (requiring a DSI) and amendments to proposed condition CL.1 as lodged are not considered necessary.</p> <p>Proposed condition CL.2 and CL.3 address all matters identified in the Council's alternative recommended condition by way of two separate conditions for clarity. Reference in condition CL.2 to "the Manager" as opposed to "an enforcement officer" is consistent with the language used throughout the condition set. On this basis replacement of conditions CL.2 and CL.3 with the alternative version provided by the Council is not considered necessary.</p> <p>However, the following amendments to condition CL.1 are proposed to address the matters covered in the Council requested conditions CD.1 and CD.2, in addition to an additional condition GC.12 to address the duration of a contaminated land discharge consent. The amendments will ensure the matters raised by the Council are addressed through incorporation in an appropriate management plan:</p>

procedures must cover management of health and safety and potential environmental risk from contaminated land associated with the Project. The CSMP must be based on the results of the sampling from any further investigations. The updated CSMP must describe how soil disturbance activities of contaminated soils will be undertaken, including:

i. Summary of proposed works, areas of known or potentially contaminated soils and material and summary of related hazards;

ii. Roles and responsibilities of the parties involved in the land disturbance activities, including the SQEP;

iii. Methods for soil testing at potentially contaminated sites;

iv. Potential and known hazards arising from contamination (if present)

v. Specific management methods developed for construction earthworks in potentially contaminated soils including on site soil management practices, off-site soil transport and disposal, personal protection and monitoring; and management of dust and odour including details of where measures are covered in other plans;

vi. Specific management procedures relevant to the presence or potential presence of landfill gas and/or leachate;

vii. Testing and validation requirements for the management and disposal of contaminated soil and materials; and

viii. Post-construction controls (if required).

Replace CL2 and 3 with standard condition to manage dust:

Discharges of dust must not cause offensive or objectionable effects at any location beyond the boundary of the Site, in the opinion of an enforcement officer when assessed in accordance with the Good Practice Guide for Assessing and Managing Dust (Ministry for the Environment, 2016). The consent holder must ensure that dust management during the works generally complies with the recommendations of this Good Practice Guide and minimises dust generation as far as practicable. This includes having sufficient water to dampen exposed soil and unsealed areas, and/or other dust suppressing measures, available as necessary.

Apply the following conditions to a contaminated discharge consent:

CD.1:

Potentially contaminated soils and material identified for off-site disposal must primarily be loaded directly into trucks and must be covered during transportation off site. If required, temporary stockpiles of soils free from separate phase hydrocarbons or odorous petroleum hydrocarbons must 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 must not take place.

CD.2:

Any perched groundwater or surface run-off water encountered within the excavation area requiring removal must be considered potentially contaminated, and must either: a. Be disposed of by a licenced liquid waste contractor; or

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

c. Discharged to the stormwater system or surface waters provided a SQEP 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 must apply.

Streamworks and Earthworks

AC consider there could be a net loss in ecological values and conditions are not appropriate to address this.

CL.1

- (a) The Contaminated Site Management Plan (CSMP) submitted with the Application shall be updated by a SQEP prior to the commencement of earthworks in the vicinity of known or potentially contaminated soils. The CSMP shall be updated with the results of any further soil contamination sampling.
- (b) The objective of the CSMP is to detail the procedures to be implemented during the Project to control the disturbance and movement of identified contaminated, or potentially contaminated soils. These procedures shall cover management of health and safety and potential environmental risk from contaminated land associated with the Project.
- (c) The CSMP shall be submitted to the Manager for certification at least 20 working days prior to the commencement of earthworks.
- (d) To achieve the objective, the updated CSMP shall include:
 - i. Summary of proposed works, areas of known or potentially contaminated soils and material and summary of related hazards;
 - ii. Roles and responsibilities of the parties involved in the land disturbance activities, including the SQEP;
 - iii. Methods for soil testing at potentially contaminated sites;
 - iv. Potential and known hazards arising from contamination (if present);
 - v. Specific management methods developed for construction earthworks in potentially contaminated soils including:
 - 1. On site soil management practices including measures for managing temporary stockpile, with appropriate erosion and sediment controls and covering;
 - 2. Covered off-site soil transport and disposal;
 - 3. Personal protection and monitoring;
 - 4. Management of dust and odour including details of where measures are covered in other plans.
 - 5. Response actions which will apply where contaminants are identified that were not anticipated in the CSMP submitted with the Application; and
 - 6. Management of perched groundwater or surface run-off water encountered within the excavation.
 - vi. Testing and validation requirements for the management and disposal of contaminated soil and materials;
 - vii. Post-construction controls (if required); and
 - viii. Stockpiling of material containing separate phase hydrocarbons or odorous petroleum hydrocarbons shall not take place.

GC.12

Resource consent [reference number] for discharge of contaminants into air, water and land during disturbance of the site shall expire 5 years following the date it has been granted unless it has lapsed, been surrendered, or been cancelled at an earlier date.

As per the Waka Kotahi response to written comments in Appendix A and Appendix B.1, no changes are considered necessary to the lodged condition set with respect to Streamworks and Earthworks.

Ecology

New conditions:

1. Prior to the commencement of any vegetation removal works the Consent Holder must submit and have certified by Council, a Lizard Management Plan (LMP) prepared by a suitably qualified and experienced ecologist/herpetologist. The LMP Plan must be designed so as to achieve the [note, submission was incomplete]
2. All vegetation alteration and/or clearance must occur outside the main native bird nesting season (early September until the end of February inclusive) to minimise any disturbance risk that vegetation removal would have on nesting birds. If vegetation clearance is unavoidable during the main native bird nesting season, an approved and experienced ecologist or ornithologist must visually observe and inspect all trees and shrubs proposed for removal within 24 hours of felling to identify any active nests.
3. A mitigation and restoration planting plan for the partial drainage of the wetland should be submitted for approval prior to the commencement of these works.

A condition requiring the preparation and implementation of a Lizard Management Plan was omitted from the proposed Stage 1B1 condition set. Waka Kotahi propose the inclusion of the following:

Ecology

E.1

A Lizard Management Plan (LMP) shall be prepared and submitted to the Manager for certification at least 10 working days prior to the commencement of any vegetation works.

(a) The LMP Plan shall be designed to achieve the following two objectives:

- The population of each species of native lizard present on the site at which vegetation clearance is to occur must be maintained or enhanced, either on the same site or at an appropriate alternative site; and
- The habitat(s) that lizards are transferred to (either on site or at an alternative site, as the case may be) will support viable native lizard populations for all species present pre-development.

(b) To achieve the objectives of the LMP the management plan shall address the following (as appropriate):

- Credentials and contact details of the ecologist/herpetologist who will implement the plan.
- Timing of the implementation of the LMP.
- A description of methodology for capture and relocation of lizards rescued including but not limited to: salvage protocols, relocation protocols (including method used to identify suitable relocation site(s)), diurnal capture protocols, supervised habitat clearance/transfer protocols, and opportunistic relocation protocols.
- A description of the relocation site; including discussion of:
 - provision for additional refugia, if required e.g. depositing salvaged logs, wood or debris for newly released skinks that have been rescued;
 - any protection mechanisms (if required) to ensure the relocation site is maintained (e.g.) covenants, consent notices etc;
 - any weed and pest management to ensure the relocation site is maintained as appropriate habitat.
- Triggers for monitoring, monitoring methods and reporting, as necessary.

Engineering

New condition under General Construction:

1. The land modification works proposed must be undertaken in a manner which ensures that the land within the site and the land on adjoining properties remain stable at all times. In this regard the consent holder must employ a suitably qualified civil / geotechnical engineer to investigate, direct and supervise - land modification works, particularly in close proximity to neighbouring properties, to ensure that an appropriate design and construction methodology is carried out to maintain the short and long term stability of the site and surrounds.

This condition is not required as the surrounding sites are not noted for instability and the project does not involve significant land modification. The lodged/proposed conditions relating to GW/settlement (GW.1-4) are specifically designed to address land stability associated with an identified settlement effect.

Parks Planning

New conditions:

PC.8 (c)(iv):

(iv) methods for engaging with Parks, Sport and Recreation and Land Advisory, to be developed in consultation with Parks, Sport and Recreation and Land Advisory;

PC.8

The objective of the Stakeholder and Communications Management Plan is to identify how the public and stakeholders (including directly affected and adjacent owners and occupiers of land) will be communicated with throughout the Construction Works. This objective and the additional wording proposed by the Council would not address Auckland Council's concern that the LOA process will be undertaken in a timely manner as the SCMP may not be prepared in a timeframe that then allows LOA to be progressed before construction. The LOA process is, however, outside the RMA/FTA process as Auckland Council note in their

[Reason for Addition: This way we ensure WK applies for LOA in the appropriate time, it also gives Council the opportunity to help facilitate the approval on tight time frames. This is often overlooked at RC Stage as its sits outside the RMA and within the LGA, each LOA has its own set of required conditions to be met and can take some time if approached too late]

CT.1(c)(xi):

(xi) methods to maintain the functional operational and recreational access to any Auckland Council Park land during construction where practicable, or to provide

New Advice Note:

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

LV.0:

(a) The UDLF must be prepared in consultation with the Parks Planning Team Leader, to the satisfaction of the Compliance Monitoring Team Leader, prior to the start of construction for a stage of work.

(b) The objective of the UDLF is to:

(i) enable integration of the project's permanent works into the surrounding landscape and urban context; and

(ii) ensure that the project's potential adverse landscape and visual effects are avoided, remedied or mitigated.

(c) Mana Whenua must be invited to participate in the development of the UDLF to provide input into relevant cultural landscape and design matters including how desired outcomes for management of potential effects on cultural sites, landscapes and values identified and discussed in accordance with Mana Whenua may be reflected in the ULDMP.

(d) The UDLF must include:

(i) a concept plan – which depicts the overall landscape and urban design concept, and explain the rationale for the landscape and urban design proposals;

(ii) developed design concepts, including principles for walking and cycling facilities and public transport in conjunction with the area's structure plan, greenways and Blue-green Network;

(iii) demonstration of pre-consultation on the design with Mana Whenua;

(iv) landscape and urban design details – that cover the following:

a) road design – elements such as intersection form, earthworks contouring including cut and fill batters, benching, spoil disposal sites, median width and treatment, roadside width and treatment;

b) roadside elements – such as lighting, fencing, wayfinding and signage;

c) architectural and landscape treatment of all major structures, including bridges and retaining walls;

d) architectural and landscape treatment of noise barriers;

e) landscape treatment of permanent stormwater control wetlands and swales;

f) integration of passenger transport;

g) pedestrian and cycle facilities including paths, road crossings and dedicated pedestrian/ cycle bridges or underpasses;

h) integration of open space linkages;

submission and Waka Kotahi are aware of their obligations to gain authorisations under other processes. To facilitate any works on third party land (including Parks assets) Waka Kotahi will work with the Auckland Council Parks team to address their requests.

CT.1

The addition of a condition to CT.1(c) at (xii) is reasonable given works will be undertaken in and around Drury Sports Complex and access to the complex should be maintained. Waka Kotahi therefore agrees to include the following additional wording to CT.1:

(xii) Methods to maintain the functional operational and recreational access to any Auckland Council Park land during construction where practicable.

ULDF

There is no lodged condition specific to the ULDF. GC.1 refers to undertaking the works in general accordance with the AEE, specifically sections 2.1 and 2.2 and the General Arrangement Drawings in Appendix F. While the ULDF has been prepared as a draft (on the basis that the Stage 1B2 area has yet to be designed and will also need to be incorporated in the ULDF) the Stage 1B1 area is final and includes planting plans (lodged with the application). The process has involved Mana Whenua via the Southern Iwi Integration Group and includes many of the elements referred to in the Council condition LV.0(d). Lodged conditions LV.1 and LV.2 require the implementation of project planting and maintenance over a two year period.

The written comment has not specifically identified any issues with the lodged ULDF or planting plans.

- i) historic heritage items places with reference to the relevant associated conditions; and
- j) re-instatement of construction and site compound areas, driveways, accessways and fences.; and
- k) visual screening of temporary construction areas and site compound areas adjacent to urban properties.

LV.00:

The ULDMP must include following planting details and maintenance requirements:

a) planting design details including:

- i. identification of existing trees and vegetation that will be retained with reference to the Tree Management Plan. Where practicable, mature trees and native vegetation should be retained;
- ii. street trees, shrubs and ground cover suitable for berms;
- iii. treatment of fill slopes and residual land to integrate with adjacent land uses, streams, riparian margins and open space zones, including ecological linkages identified in the Drury-Ōpāheke Structure Plan or any subsequent plan;
- iv. planting of stormwater wetlands;
- v. identification of vegetation to be retained and any planting requirements under together with the Ecology assessment;
- vi. integration of any planting requirements required by conditions of any resource consents for the project; and
- vii. re-instatement planting of construction and site compound areas as appropriate.

b) a planting programme including the staging of planting in relation to the construction programme which must include provision for planting within each planting season following completion of works in each Stage of Work to the satisfaction of Parks Planning Team Leader; and

c) detailed specifications and a two-year maintenance plan relating to the following:

- i. weed control and clearance;
- ii. pest animal management (to support plant establishment);
- iii. ground preparation (top soiling and decompaction);
- iv. mulching; and
- v. plant sourcing and planting, including hydroseeding and grassing., using eco-sourced species where possible; and
- vi. restoration planting which remedies the loss of ecosystem services provided by vegetation identified for removal, including the replacement of planting which fails to establish.

d) a maintenance plan in accordance with the Waka Kotahi P39 Standard Specification for Highway Landscape Treatments (2013) or any subsequent updated version.

LV.4

Any project planting within existing Esplanade Reserves that fails to establish, or that decline or die within 2 years, must be replaced to the satisfaction of the Auckland Council Parks. The replacement trees must be of similar grade and size to that originally planted.

LV.5

~~During the detailed design phase of the shared use path, the Requiring Authority shall consult with Auckland Council Parks on the layout and detailed design where the shared use path is located within Auckland Council park land. [Reason for removal: Replace this by LV.0 and LV.00]~~

New Advice Note:

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

Auckland Transport

New conditions:

Under Pre-construction conditions (PC):

Management Plans (resource consent)

PC.5(b)(XX) The construction traffic management plan shall be included as part of the certification process.

Under General conditions (GC)

GC.XX Works within the local road reserve

The Requiring Authority shall not require Auckland Transport or network utility operators with existing infrastructure within the road reserve to seek written consent under Section 176(1)(b) of the RMA for on-going access, to enable works associated with the routine construction, operation, use, maintenance and repair of existing assets.

Under Construction traffic (CT)

CT.XX Consultation with Auckland Transport at the earliest opportunity with regard to the preferred option for the SH1 Bremner Road Overbridge and Jesmond Bridge replacement works to ensure:

- a. That passenger transport services can be efficiently provided on the road network; and
- b. That there is sufficient capacity and viable alternative routes in the transport network to accommodate cumulative construction traffic demands in the wider area.

Under Outline Plan(s) of Works (designation)

PC.XX Prior to the lodgement of any outline plan of works for activities on the following roads

- a. Flanagan Road;
- b. Pitt Road;
- c. Great South Road (section to the west of Teqal Road); and
- d. 31 – 37 Bremner Road access.

Waka Kotahi New Zealand Transport Agency will consult with Auckland Transport regarding the extent and duration of temporary and on-going effects of the works on the local road network.

Under Stormwater (SW) SW.4 and Proposed Conditions – Resource Consents - Stormwater Management Works RC.3 / SW.4 to include the following:

ADVICE NOTE:

Where stormwater management devices may be located within or affect the local road network, separate approval will be required from Auckland Transport (as the road controlling authority). The approval will likely include an Engineering Plan Approval.

Waka Kotahi will continue to consult with Auckland Transport to develop a suitable management plan with respect to the local road network and the Project and will provide a comprehensive response to Auckland Transport's requested amendments to conditions by 15 October.

Auckland International Airport Limited	<ol style="list-style-type: none"> <u>Appropriate dust suppression measures must be in place during construction so to limit the potential for dust clouds to penetrate the OLS height restriction from ground-level;</u> <u>In the event where dust clouds may or have penetrated the OLS height restriction from ground-level, Auckland Airport require project management/on-site contractors to notify Auckland Airport Operations of the event on 0800 677 242 so that the required safety procedures can be implemented for arriving/departing flying aircraft.</u> 	<p>The Waka Kotahi written response confirmed dust management is already addressed in the lodged condition set at CL.2, CL.4 and CC.4. AIAL are considered a stakeholder and covered by the SCMP at lodged condition PC.8.</p> <p>No further amendments are required.</p>
Director General of Conservation	<p>New conditions:</p> <ol style="list-style-type: none"> <u>The consent holder shall take all practicable measures to avoid adverse effects on spawning and migrating fish.</u> <u>Minimum design standards for fish passage will achieve:</u> <ol style="list-style-type: none"> <u>Efficient and safe passage of all aquatic organisms and life stages with minimal delay, except where specific provisions are required to limit the movement of undesirable exotic species.</u> <u>A diversity of physical and hydraulic conditions leading to a high diversity of passage opportunities for aquatic organisms.</u> <u>A structure that will provide no greater impediment to fish movements than adjacent stream reaches.</u> <u>Structures that have minimal maintenance requirements and are durable.</u> 	<p>In the Waka Kotahi written response, Bioreserches advised there is no need to amend the lodged conditions based on the following:</p> <ul style="list-style-type: none"> - Native fish recovery is occurring in all freshwater habitats - There is no upstream habitat at the affected sites - Fish passage at Ngakoroa Stream will not be impeded <p>No further amendments are required.</p>
Gleeson Contractors	<p>Groundwater/settlement</p> <ol style="list-style-type: none"> <u>Conditions are imposed to required such further assessment and appropriate mitigation at the time of detailed design.</u> <u>Amendments are made to the conditions to provide a clearer and more certain mitigation and monitoring regime in relation to these effects.</u> <u>Conditions are imposed to require that detailed design demonstrates that the access will be fit for purpose.</u> 	<p>Waka Kotahi propose the following amendments to the groundwater/settlement conditions:</p> <p>Notice of Commencement of Dewatering</p> <p>GW.1</p> <p><u>The Manager shall be advised in writing at least 10 working days prior to the date of the Commencement of Dewatering.</u></p> <p>Avoidance of Damage</p> <p>GW.2</p> <p><u>All excavation, dewatering systems and retaining structures associated with the diversion or taking of groundwater, shall be designed, constructed and maintained so as to avoid damage to buildings, structures and services within the project area or adjacent properties. This applies unless otherwise agreed in writing with the asset owner.</u></p> <p>Groundwater Monitoring</p> <p>GW.3</p> <p><u>During construction, the Consent Holder shall implement procedures that will appropriately respond to the information received from the monitoring system identified in Section 5.1 and Appendix D of the Papakura to Drury South Stage 1B1 Groundwater Assessment dated 11/6/21, including assessment at each excavation stage of the actual retention and building response against the predictions determined from the detailed design.</u></p> <p>Groundwater and Settlement Management Plan</p> <p>GW.3</p> <p><u>A Groundwater and Settlement Management Plan (GSMP) shall be prepared and submitted to the Manager for certification in accordance with the process set out in Condition RC.XX prior to Commencement of Construction of the new Bremner Road Bridge East Abutment Retaining Wall with potential groundwater and settlement effects. The objective of the GSMP is to outline the measures to be adopted to monitor and respond to any changes in groundwater beyond the boundary of the Project site arising from construction activities. The GSMP shall incorporate the matters in Conditions GW.4 to GW.8 including:</u></p> <p><u>(a) Details of groundwater monitoring including:</u></p> <p style="padding-left: 40px;"><u>i) A schedule of groundwater monitoring bores identifying piezometer depth and geological unit;</u></p>

ii) Details of final bore construction and piezometer installation;

iii) The location of the groundwater monitoring bores;

iv) The methods and frequency of groundwater level monitoring;

(b) Details for ground settlement monitoring including:

i) The predicted total estimated settlement and building damage categories;

ii) A schedule of ground settlement monitoring markers confirmed in Condition GW.6;

iii) The methods and frequency of ground settlement monitoring;

iv) Alert and alarm levels where Alert is less than 75% of the theoretical movement expected to cause building damage and Alarm is less than 100% of the theoretical movement expected to cause building damage, with due consideration of the seasonal range of ground movement identified by pre-construction monitoring; and survey tolerances.

v) Procedures to follow in the event of trigger levels being exceeded.

(c) Reporting requirements.

GW.4

The Consent Holder shall monitor groundwater levels in the groundwater monitoring bores confirmed in Condition GW.3 and keep records of the water level measurement and corresponding date.

GW.5

(a) The Consent Holder shall install and maintain groundwater level monitoring boreholes for a period starting at least 1 month prior to Commencement of Construction and concluding no less than 6 months following Completion of Construction.

(b) As a minimum the groundwater monitoring boreholes shall include sites:

i) 51 Creek Street

ii) 69 Creek Street

GW.6

The Consent Holder shall establish a series of ground settlement monitoring markers to monitor potential settlement in relation to the construction of the of the new Bremner Road Bridge East Abutment Retaining Wall. The survey markers shall be located generally as follows subject to agreement of the owners of land in which the survey markers are proposed to be located:

(a) On or around buildings at 51 Creek Street

(b) On or around buildings at 69 Creek Street

(c) The location of the markers shall be confirmed in the GSMP.

(d) The location of markers may be updated to reflect detailed analysis and interpretation of monitoring results as construction works progress. Any changes shall be included in the GSMP.

GW.7

The Consent Holder shall survey the settlement monitoring markers at the following frequency:

(a) At weekly intervals starting at least 1 month prior to excavation of the of the new Bremner Road Bridge East Abutment Retaining Wall;

(b) At monthly intervals following completion of excavation of the of the new Bremner Road Bridge East Abutment Retaining Wall for a period of 6 months. For the purpose of this condition, excavation of the new Bremner Road Bridge East Abutment Retaining Wall is complete when the permanent wall structural elements are in place.

GW.8

If the ground settlement alert or alarm levels in Condition GW.3(b)(iv) are exceeded, the trigger marker shall be resurveyed within 24 hours. If the resurvey indicates that a building has increased its damage category from that confirmed in the GSMP, then this shall be considered to be an Alert Level and additional specific assessment of the building shall be carried out by the Consent Holder to confirm this resurvey within 72 hours. If the additional assessment following resurvey confirms the increase in damage category, this shall be considered to be an Alarm Level and the property owner and occupier(s) will be notified within 48 hours. Following consultation with the property owner and occupier(s); subsequent actions may include increased frequency and/or extent of monitoring, modification to the construction methodology or mitigation works to the affected building (subject to building owner approval and any additional statutory approvals required).

Contingency Actions

GW.9

If the Consent Holder becomes aware of any Damage to buildings, structures or Services potentially caused wholly, or in part, by the exercise of this consent, the Consent Holder shall:

- (a) Notify the Manager and the asset owner within two working days of the Consent Holder becoming aware of the Damage.
- (b) Prepare a report prepared by a suitably qualified and experienced person that describes the Damage; identifies the cause of the Damage; identifies methods to remedy and/or mitigate the Damage that has been caused; identifies the potential for further Damage to occur, and, describes actions that will be taken to avoid further Damage.
- (c) Provide a copy of the report prepared under (b) above, to the Manager and the asset owner within 10 working days of notification under (a) above.

ADVICE NOTE:

It is anticipated the Consent Holder will seek the permission of the damaged asset owner to access the property and asset to enable the inspection/investigation. It is understood that if access is denied the report will be of limited extent.

These comments and requests for conditions were fully addressed in the response to comments submitted by Waka Kotahi and no further changes to conditions are necessary. If any changes to HGL's conditions of consent are required due to the project, they will be addressed by Waka Kotahi in separate processes.

Hugh Green Limited

Pre-conditions to be met:

1. Conditions 52 and 62 of BUN60339982 have been cancelled or changed to the satisfaction of Hugh Green Ltd, unless this requirement is waived in writing by Hugh Green Limited;
2. If condition 52 of BUN60339982 is not required to be changed, then, to the satisfaction of Hugh Green Limited, any changes to the Environmental Management Plan referenced by BUN60339982 necessary to enable works are approved by Auckland Council under condition 56 of that consent; and
3. Where any new enhancement planting area is required by the amended BUN60339982, either: the requiring authority must secure access to the satisfaction of Hugh Green Ltd to that area to allow the consent holder to carry out the required works; or the requiring authoring carries out the required works on behalf of the consent holder
4. Unless the conditions of BUN60339982 have been cancelled or changed to the satisfaction of Hugh Green Limited, any landscaping works undertaken within the wetlands or buffer areas identified by resource consent BUN60339982 as being subject to enhancement planting must be consistent with planting schedules and specifications identified in the 'Ecological Management Plan for 144-252 Park Estate Road, Hingaia: Phase 2' prepared by Wildlands Consultants Ltd, dated September 2019, as referenced in condition 1 of resource consent BUN60339982.
5. Amendments to the drawings in Appendix F may be made at the interface with 144 Park Estate Road if they are required in order to provide for any of the following:
 - a) Additional connections to the shared use path from proposed or existing residential development at 144 Park Estate Road.
 - b) Noise walls.
6. Noise attenuation shall be provided for 144 Park Estate Road within designation footprint to the standard required by NZS 6806 as if PPFs were located 1 m from the designation boundary;

	<p>7. <u>All stormwater run-off entering the property at 144 Park Estate Road shall be attenuated in order to maintain the existing flow regime as at [date of NoR recommendation] during the 1% AEP flood event;</u></p> <p>Advice notes/conditions:</p> <p>(a) <u>the land to be designated and therefore acquired is the final footprint, and there is no provision for the designation to be 'pulled back' after construction, requiring that any land to be acquired from the Affected Sites be the minimum necessary to accommodate the works; and</u></p> <p>(b) <u>An efficient approach to land acquisition should be taken in relation to land affected by different stages of the P2B Project, to avoid HGL in particular being adversely affected by NZTA's decision to pursue stages 1B1 and 1B2 separately.</u></p>	
Spark Trading Limited	<p>Amend condition CC.6 9 (suggested amendment from Warkworth to Puhoi project)</p> <p>1. <u>The Requiring Authority shall ensure that Project Works do not adversely impact on the ongoing safe and efficient operation of Network Utility Operations. The scope, timing and methodology for utility protection and / or relocation works shall be developed in consultation with the relevant Network Utility Operator to ensure ongoing safe and efficient operation for the required works.</u></p> <p>2. <u>The Requiring Authority shall consult with Network Utility Operators during the detailed design phase to identify opportunities to enable, or not to preclude, the development of new network facilities including access to power and ducting within the project, where practicable to do so. The consultation undertaken, opportunities considered, and whether or not they have been incorporated in the detailed design, shall be summarised in the Outline Plan or Plans prepared for the Project.</u></p>	<p>Lodged condition CC.6 is consistent with that used in the Supporting Growth Alliance Network Utilities Management Plan condition (NB: Waka Kotahi is one of the Supporting Growth Alliance owners). The objective of CC.6 is to provide a framework for protecting, relocating and working in proximity to existing network utilities, using methods such as:</p> <ul style="list-style-type: none"> - Providing access - Managing dust - Consulting with NUOs - Describing the comments of the NUOs <p>While not as specific as the requested amendments by Spark, lodged condition CC.6 confirms the continued operation of network utilities during the course of the Project works and consultation with NUOs is to be carried out.</p>