



Construction Management Plan

Peacocke Waikato River Bridge & Strategic Services

Contract: HCC 142/2019

Project Manager: Iain Fletcher	Date	15/11/2022
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1.0 Introduction

1.1 Purpose

This Construction Management Plan (CMP) is for the completion of Hamilton City Council (HCC, the Principal) Contract Ref: PSP 17482 – Peacockes Waikato Bridge and Strategic Services project (the Project).

This CMP is an over-arching management plan required under the HCC Designation that sits above several other specialist management plans required by the HCC Designation and Waikato Regional Council (WRC) Resource Consents.

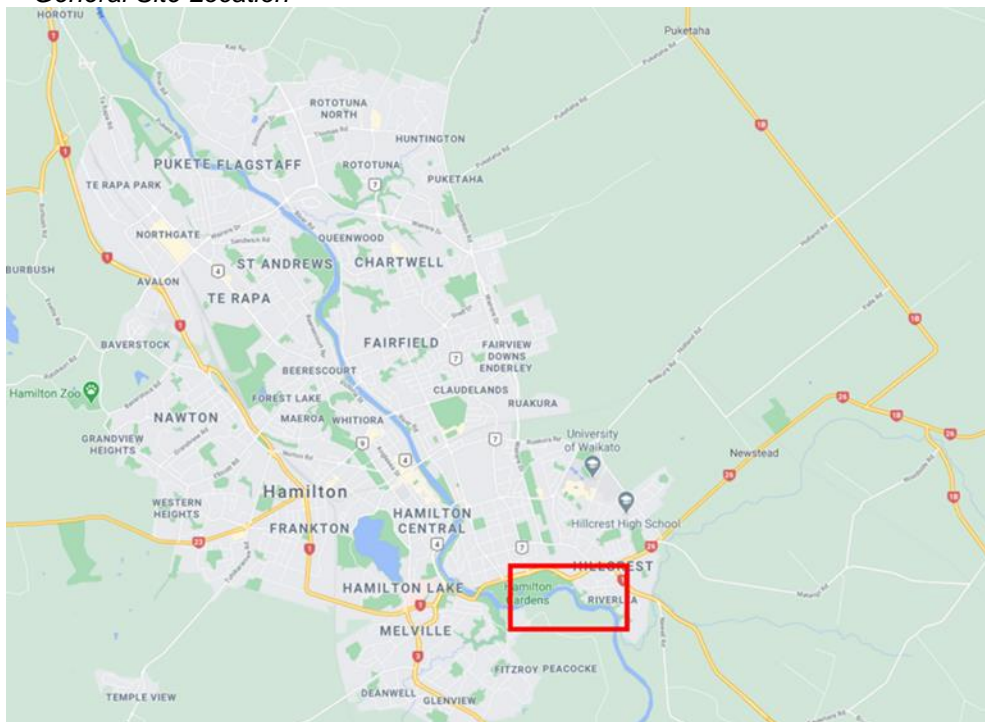
The purpose of this CMP is to satisfy Designation Condition 9.1 and to demonstrate to HCC, and WRC how HEB Construction Ltd (HEB) intends to meet, manage and comply with the conditions of the Designation and Resource Consents during the construction phase of the Project.

Management plans provide the overarching principles, methodologies, and procedures for managing the effects of construction to achieve positive environmental outcomes and performance standards. The management plans have been developed in general accordance with draft management plans included as part of the Assessment of Environmental Effects (AEE) submitted as part of the consenting process. A copy of this document will be kept on site electronically.

1.2 Project Description

HCC (the Principal) have engaged HEB to construct the Project located on the southern outskirts of Hamilton City (Figure 1). The Project forms part of the broader Southern Links roading project being undertaken jointly between the Waka Kotahi and HCC to manage the anticipated transport implications of projected growth and development around the southern part of Hamilton City.

Figure 1 – General Site Location

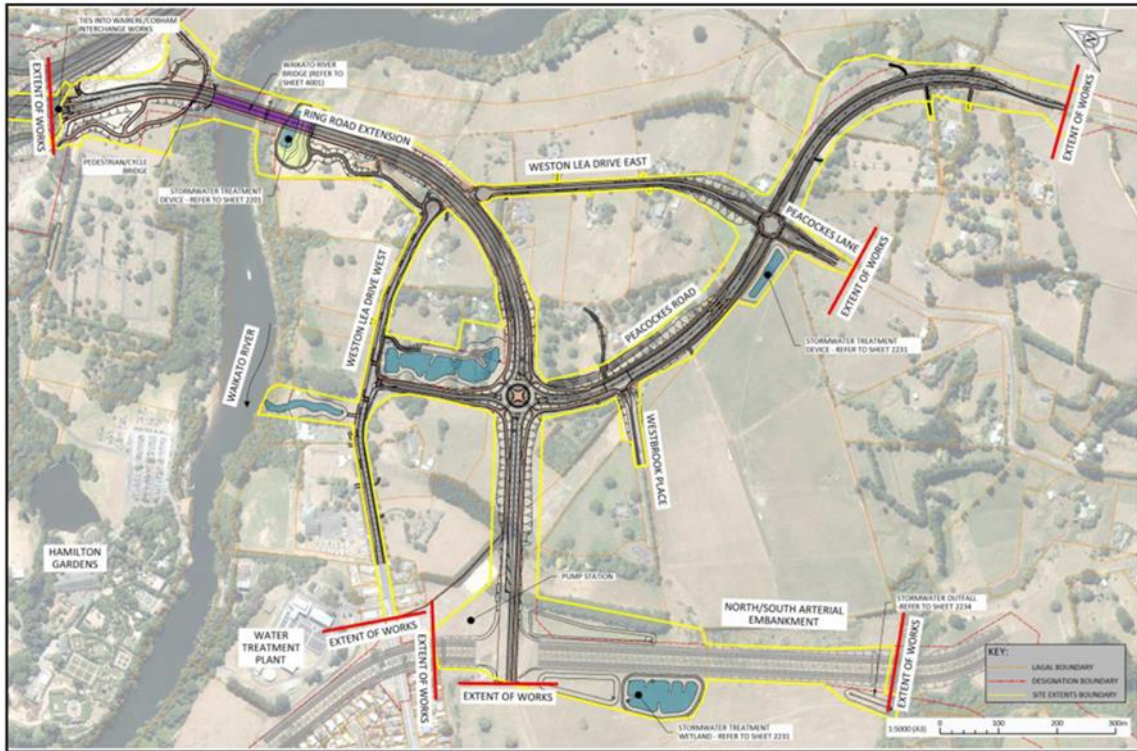


The main components of the Project include the following:

- The construction of a ring road extension with four lanes, two lanes for cars and two lanes for public transport. A segregated pathway will be provided on either side of the ring road extension;
- Construction of the Waikato River Bridge.

- The upgrading to full urban standards of Peacockes Road and Weston Lea Drive, Weston Lea Drive will be extended to connect with Peacockes Road to the south and will be severed by the Ring Road extension. All roads being constructed will be to urban standards including pathways on both sides of the road, gas, telecommunications, power and three waters infrastructure;
- Ground improvement works along the North-South Major Arterial;
- Construction of the stormwater infrastructure (including attenuation and treatment wetlands);
- Construction of a wastewater transfer pump station and pipeline; and
- A pedestrian cycle bridge will be constructed over the ring road extension at the northern end of the Waikato River bridge.

Figure 2 – Project extents



1.3 Project Contact Details

The postal address for the Project is: 213 Peacockes Road, Hamilton 3282. Key contacts are listed in Table 1.

Key project details, including the 24/7 0800 number are displayed on notice boards around the project area, these are described in the Construction Communication and Consultation Plan.

Table 1 – Key Contacts (HEB)

Role	Name	Contact Details	
Project Manager	Iain Fletcher	0800 PEACOCKE	iain.fletcher@heb.co.nz
Stakeholder Manager	Kellie Ellis		kellie.ellis@heb.co.nz

2.0 Consents and Designation

The Project has been issued regulatory permissions in the form of Resource Consents and a Designation. These are identified in Table 2.

Table 2: Regulatory Permissions

Resource Consent	Consent Type	Consent Sub-Type	Activity Authorised
WRC AUTH127680.01.01	Land Use Consent	Bed – structure	To place a traffic bridge structure over the Waikato River
WRC AUTH141620.01.02	Water Permit	Groundwater take	To temporarily take groundwater during construction dewatering activities.
WRC AUTH141620.02.02	Water Permit	Surface water take	To temporarily divert groundwater and take surface water during construction dewatering activities.
WRC AUTH141620.03.01	Discharge Permit	Water – stormwater	To divert and discharge stormwater in association with the Peacockes Strategic Transport Network
WRC AUTH141620.04.01	Land Use Consent	Land – other	To drain and remove a wetland associated with construction of a stormwater outfall
WRC AUTH141620.05.01	Water Permit	Diversion	To permanently divert a surface water flow path
WRC AUTH141620.06.01	Land Use Consent	Land – well	To drill below the water table associated with the construction of the ridge piers.
WRC AUTH141620.07.01	Land Use Consent	Bed – structure	To construct stormwater outfall structures in the bed of the Waikato River and Mangakotukutuku Stream.
WRC AUTH141620.08.01	Land Use Consent	Land – disturbance	To undertake land disturbance activities within high risk erosion areas and associated earthworks and clean filling activities associated with the construction of the Peacockes Strategic Transport Network
WRC AUTH141620.09.01	Discharge Permit	Land – other	To disturb and discharge soil for remediation of contaminated land in association with the Peacockes Strategic Transport Network
WRC AUTH141620.10.01	Water Permit	Dam	To undertake temporary riverbed disturbance and use of temporary dam structures in the bed of the Waikato River in association with bridge construction
HCC - Designation A106 (Southern Links)			

3.0 Management Plans

Figure 3 shows the management plans for the Project, those prepared by HEB and those prepared by HCC (the Principal) and several that HCC and WRC agreed to accept as consolidated, to reduce the overall number of management plans.

Figure 3 – Management Plan Framework

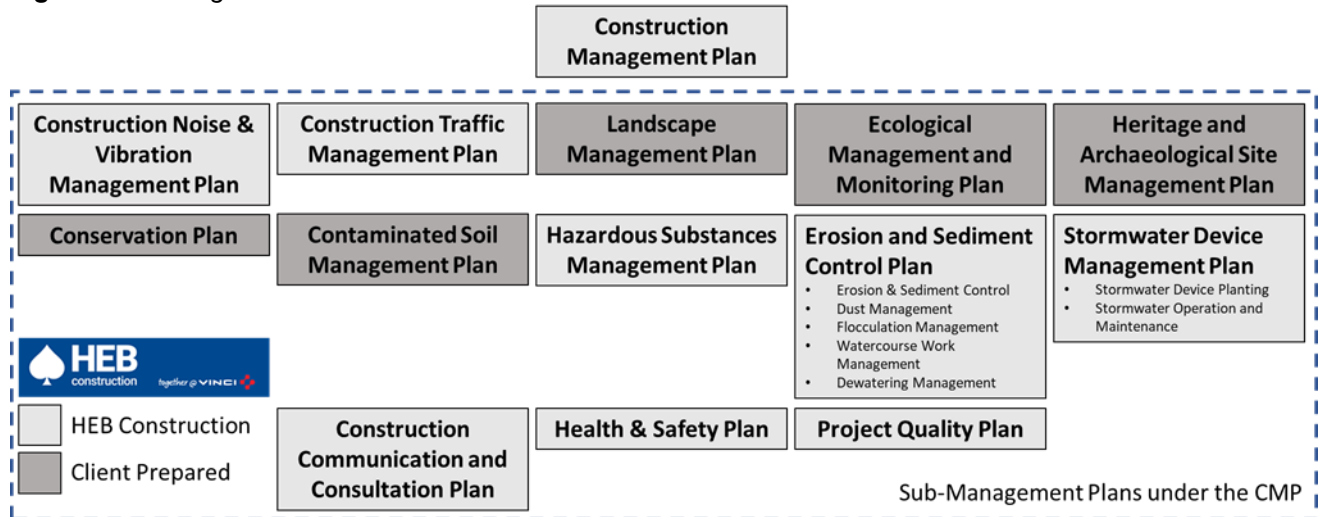


Table 3 below identifies all of the required construction related management plans associated with this Project and illustrates where they come from, i.e. either the Designation or the Resource Consents. It is noted that some of the management plans apply to the the broader Southern Links Project of which this Project is a part of.

This sub-management plans are not appended to this CMP, but can be referred to for information related to specific disciplines.

Appendix A contains a table of resource consents and conditions and which section each of these conditions are discussed in the CMP or one of the sub-management plans.

Appendix B contains a table of Designation conditions and which section each of these conditions are discussed in the CMP or one of sub-management plans.

Table 3: Project Management Plans

Management Plan	Requirement Source	Prepared by HCC (the Principal)	Applies to the broader Southern Links Project?	Prepared by HEB specifically for the Project
Pre-Construction Communication and Consultation Plan	HCC Designation A106, Conditions 2.2 and 3.4	✓	✓	X
Construction Management Plan (CMP)	HCC Designation A106, Conditions 2.2 and 9	X	X	✓
Construction Noise and Vibration Management Plan (CNVMP)	HCC Designation A106, Conditions 2.2 and 11	X	X	✓
Construction Traffic Management Plan (CTMP)	HCC Designation A106, Conditions 2.2 and 12	X	X	✓
Construction Communication and Consultation Plan	HCC Designation A106, Conditions 2.2 and 8.2	X	X	✓
Concept Landscape Management Plan	HCC Designation A106, Conditions 2.2 and 6	✓	X	X
Landscape Management Plan	HCC Designation A106, Conditions 2.2 and 14	✓	X	X
Ecological Monitoring and Management Plan	HCC Designation A106, Conditions 2.2 and 15	✓	✓	X
Conservation Plan	HCC Designation A106, Conditions 2.2 and 16.5	✓	X	X
Heritage and Archaeological Site Management Plan	HCC Designation A106, Conditions 2.2 and 16	✓	X	X
Dust Management Plan	HCC Designation A106, Conditions 2.2 and 19	X	X	✓
Contaminated Soil Management Plan	HCC Designation A106, Conditions 2.2 and 20	✓	✓*	X
Hazardous Substances Management Plan	HCC Designation A106, Conditions 2.2 and 21	X	X	✓
Transport Network Management Plan	HCC Designation A106, Conditions 2.2 and 24	✓	X	X
Dewatering Management Plan	WRC AUTH141620.01.01 – AUTH141620.10.01, Schedule 1, Condition 47	X	X	✓
Stormwater Device Planting Management Plan*	WRC AUTH141620.03.01, Condition 11	X	X	✓
Stormwater Operation and Maintenance Plan*	WRC AUTH141620.03.01, Condition 12	X	X	✓
Erosion and Sediment Control Plan	WRC AUTH141620.01.01 – AUTH141620.10.01, Schedule 1, Condition 10	X	X	✓
Flocculation Management Plan	WRC AUTH141620.01.01 – AUTH141620.10.01, Schedule 1, Condition 23	X	X	✓
Dust Management Plan	WRC AUTH141620.01.01 – AUTH141620.10.01, Schedule 1, Condition 36	X	X	✓
Watercourse Works Management Plan	WRC AUTH141620.01.01 – AUTH141620.10.01, Schedule 1, Condition 46	X	X	✓
Erosion and Sediment Control Plan	WRC AUTH127680.01.01, Condition 13	X	X	✓

4.0 Schedule of Construction Activities

The estimated overall Project program time frames are from October 2020 to an expected end date of June 2023. Refer to Appendix C for a plan showing the location of the construction areas. An indicative construction schedule is shown in Table 4.

Table 4: Indicative Construction Schedule

Start Date	Finish Date	Project Activity
October 2020	February 2021	Entire Site <ul style="list-style-type: none"> Site establishment Fencing installation Vegetation clearing Establishment of erosion and sediment controls
October 2020	February 2023	Area W1 - Weston Lea Drive West incl. Peacockes Rd West <ul style="list-style-type: none"> Utility services Utility services - underground 33kV electrical Stormwater & water supply Wastewater drainage SWD02 Waikato River Outfall Pavement - Peacockes Rd ch 0 to 260 Pavement - Western Lea Drive West ch 260 to 640 Traffic services
November 2020	July 2022	Area R1 - Northern River Bank <ul style="list-style-type: none"> Pedestrian bridge Set up & early works cut ch 240-280
November 2020	March 2022	Area W2 - Ring Road ch 760 to 1060 - Weston Lea Drive to Peacockes Road <ul style="list-style-type: none"> Earthworks – cut and fill Stormwater drainage Wastewater drainage SIL, pavement & surfacing Traffic services & finishing works
November 2020	March 2023	Area R2 - River to Weston Lea Drive (Ring Road ch 460 to 760) <ul style="list-style-type: none"> Earthworks – cut and cut to waste Stormwater drainage N02 Stormwater treatment device 01 Wastewater & water supply SIL, pavement & surfacing Traffic services & finishing works
November 2020	November 2022	Area P1 - Peacockes Road West ch 20 to 200 <ul style="list-style-type: none"> Utility services Earthworks - cut & fill Stormwater drainage Water supply - bulk main SIL, pavement & surfacing Traffic services & finishing works
November 2020	November 2022	Area P2 - Peacockes Road Roundabout ch 200 to 320 <ul style="list-style-type: none"> Utility services Earthworks - cut & fill Preload Stormwater drainage Pedestrian underpasses MSE walls Pedestrian underpasses MSE walls Stormwater drainage & water supply SIL, pavement & surfacing Traffic services & finishing works

Start Date	Finish Date	Project Activity
November 2020	November 2022	Area P3 - Peacockes Road Central ch 320 to 840 incl. Peacockes Lane & Westbrook Place <ul style="list-style-type: none"> • Utility services • Earthworks - cut & fill • Preload • Stormwater & wastewater drainage, water supply • SIL, pavement & surfacing • Traffic services & finishing works
November 2020	November 2022	Area P4 - Peacockes Road East ch 840 to 1445 <ul style="list-style-type: none"> • Utility services • Earthworks - cut & fill • Stormwater & wastewater drainage, water supply • SIL, pavement & surfacing • Traffic services & finishing works
November 2020	January 2023	Area W2 - Weston Lea Drive East <ul style="list-style-type: none"> • Utility services • Earthworks - cut & fill • Preload • Stormwater & wastewater drainage, water supply • SIL, pavement & surfacing (ch 0 to 480) • Traffic services & finishing works • Finishing works - Stage 2 (WLD East turning head)
December 2020	December 2022	Area R4 - Ring Road ch 1160 to 1600 - Peacockes Road to North/South Arterial <ul style="list-style-type: none"> • Utility services - underground 33kV electrical • Earthworks – cut and fill • Stormwater drainage • Local undercut & wastewater drainage • SIL, pavement & surfacing • Traffic services & finishing works
December 2021	October 2022	Area R1 - North of River - Ring Road ch 70 to 280 <ul style="list-style-type: none"> • Utility services, wastewater & water supply • Earthworks – cut • SIL, pavement & surfacing • Traffic services & finishing works
March 2021	December 2022	Area R2 - River to Weston Lea Drive <ul style="list-style-type: none"> • Waikato River Bridge • Ground improvements - Abutment A • Abutment A pile foundations • Pier B pile foundations • Abutment C pile foundations • Abutment A substructure • Pier B pile cap and stee; lattice • Abutment C substructure • Superstructure steelwork • Services, deck construction & abutment walls • Barriers, shared paths & finishing works
March 2021	December 2022	Area N1 - North/South Arterial <ul style="list-style-type: none"> • Earthworks - ground improvements • Earthworks - cut & fill • Earthworks – preload • Stormwater treatment device 04 & outfall • Wastewater drainage
March 2023	March 2023	Area R1 - Cobham Wairere intersection

5.0 Environmental Management

5.1 Certification

HEB operate a fully credited ISO14001:2015 Environmental Management System.

The intended outcomes of the environmental management system include:

- enhancement of environmental performance;
- fulfilment of compliance obligations;
- achievement of environmental objectives.

Documentation is included in Appendix D.

5.2 Policy

HEB's safety, quality and environmental policies are included in Appendix E. A key message that runs through the policies is that being proactive is essential, meeting legal compliance is mandatory and continual and sustainable improvement is the overarching philosophy.

5.3 CS- VUE

CS-VUE is a cloud-based compliance management software tool. Each Resource Consent and Designation condition is loaded into CS-VUE system and evidence demonstrating compliance is uploaded and stored against each condition. The Environmental Manager will oversee the maintenance of CS-VUE.

6.0 Site Operations

6.1 Hours of Operation

Normal working hours are 7:00 am to 7.00 pm Monday to Saturday (excluding public holidays). Traffic moratoriums associated with long weekends and events can restrict construction vehicle movements beyond these hours.

Any work outside normal working hours will be dealt with in accordance with the process detailed in the Construction Noise and Vibration Management Plan.

6.2 Site Offices

The location of the construction site office is 213 Peacockes Road, Hamilton 3282. Several smaller transportable site offices are located around the Project, including on the north side of the river and the south side of the river to support the Waikato River Bridge construction. Toilet facilities (portaloos) are available around the site, the locations vary.

6.3 Public Access

During the construction period there will be disruption and modification to the manner and extent to which members of the public can access the area for recreation use. How this is managed during construction has been included in the Construction Traffic Management Plan.

6.4 Network Infrastructure

To ensure that there are no interruptions to supply or adverse effects on network utility infrastructure HEB will:

- Protect all utilities from any activity which may interfere with the proper functioning of the services; or
- Seek to relocate it to the same or a similar standard (including property rights) as the operator currently has; or

- Seek to repair or replace, at HEB expense, any infrastructure damaged during construction to the reasonable satisfaction of the affected network utility operator.

6.5 Drainage Risk

While completing the Project HEB will ensure that the construction does not increase flooding risk to surrounding land and/or property.

6.6 Construction Lighting

Unwanted light at night can be a nuisance and disruptive for neighbours and nearby residents. Consequently, the small amount of night works that will be needed to complete the Project will be planned to minimise light spill. Equally, security lighting associated with the site office will also be limited. Lighting restrictions are also discussed in the Ecological Management and Monitoring Plan in relation to the sensitivity of bats.

6.7 Environmental Incident Response

The Project will aim to decrease the likelihood and reduce the consequences of environmental incidents by:

- Assessing the various environmental risks and hazards associated with the Project.
- Eliminating as many hazards or risks as possible.
- Where elimination is not possible then developing controls (both administrative and engineering);
- Providing personal protective equipment to staff.
- Completing training and drills.
- Having contingency plans.

Emergency response plans will be prepared for specific work activities and locations considering the following:

- Workers' roles and responsibilities.
- Potential hazards and hazard-preventing actions.
- Notification alarm system, and communications process
- First Aid Kit
- Emergency spill response procedures
- Emergency response procedures.
- Evacuation procedures.
- A list of emergency equipment including its location and function.
- Emergency shutdown procedures.

Notification of environmental incidents to WRC/HCC will be completed by the Environmental Manager. Notification and timeframes for notification will be assessed on a case by case basis depending on the severity of incident and actual or potential for environmental harm.

6.8 Waste Management

HEB will completely remove all temporary project offices and amenities from the site upon completion of the Project.

In terms of waste, all material will be securely and safely stored on site before it is removed, predominantly in skip bins.

Provisions for recycling and reuse of materials will be made available including cardboard and scrap metal.

All sites will be kept clean and tidy and free of litter .

The aim is to minimise the waste generated and promote innovative methodologies to ensure waste is reused and recycled as much as possible.

Figure 4 – Waste Management



6.9 Complaint Management

An enquiry and complaints procedure is set out in the Construction Communication and Consultation Plan.

7.0 Waikato River Bridge Design and Construction

HEB are responsible for building the Waikato River Bridge in accordance with the conditions of the Waikato Regional Council (WRC) Consent AUTH127680.01.01. The bridge design has been completed by an appropriately qualified structural engineer and approved by the WRC. The approved design includes pier location, height of the bridge above maximum water levels and erosion protection works. It has been designed to avoid increasing flooding effects on adjacent and downstream land. The design also ensures that stormwater from the completed bridge deck is directed to the river bank and discharged beyond the abutments in a manner that does not cause bank or abutment erosion.

While building the bridge HEB will ensure that members of the public have an unimpeded access along the Waikato River outside of normal working hours except through areas where the safety of the public would be endangered because of the works. HEB will also ensure that while constructing the bridge that the methodology for construction avoids the deposition of construction materials into the Waikato River channel under normal conditions, taken as low winter flow of RL 11.39m.

8.0 Training

All construction staff will be adequately skilled and experienced for the work they will undertake. Training relating to specific processes (erosion and sediment control, hazardous substances, spill response, ecology, archeology etc) will be provided to ensure all staff are thoroughly prepared to meet their environmental obligations on the Project. Staff will be identified for training based on their role, the location they are working and the type of activity they are completing.

Training for staff will take place a number of ways:

- Informal training at toolbox meetings and pre-start meetings. This is delivered by the environmental team and may include demonstrations and presentations.
- On the job training.
- Formal training courses delivered by HEB staff.
- Formal training courses delivered by external providers.

8.1 Site Inductions

All HEB staff and sub-contractors will receive a Project induction before they start works on site. The induction will cover staff responsibilities associated with:

- Erosion and sediment control.
- Protection of trees.
- Protection of wildlife (bats, fish, lizards, birds).
- Prevention of spills of hazardous substances.
- Hazardous Substances management.
- Working around waterways.
- Accidental discovery protocols associated with possible archaeological finds.
- Accidental discovery protocols associated with contaminated land.
- Waste management.
- Noise, normal working hours.

Visitors to the site will receive an shorter induction that summarises the Project’s environmental responsibilities and minimum standards.

9.0 Roles and Responsibilities

The Project roles and responsibilities are set out in Table 5 below. HEB’s organisational structure for the Project is included in **Appendix F**.

Table 5 – Project Roles

Position	Responsibilities
Project Manager	<ul style="list-style-type: none"> • Principal Project contact for HCC and WRC. • Responsible for all day-to-day construction operations on the Project. • Overall responsibility for ensuring environmental compliance is maintained onsite and all actions identified by onsite inspections are completed. • Ensure that the site is available to regularoty authorityl representatives for inspections if required subject to receiving the appropriate site induction and health and safety briefings. • Implementation of the CMP and sub-management and mitigation plans onsite.
Environmental Manager	<ul style="list-style-type: none"> • Principal contact with WRC/HCC regarding consent and designation compliance. • Completion of environmental audits. • Priority on-site compliance assistance as required. • Coordinate specialist inputs such as ecology, archaeology, chemical treatment, noise and vibration. • Preparation of site specific environmental management plans/schedules. • Investigation and reporting of environmental incidents.
Environmental Advisor	<ul style="list-style-type: none"> • Provision of environmental training (erosion and sediment control, hazardous substances, archaeological site management, spill response). • Routine weekly environmental inspections. • Noise, vibration and water quality monitoring. • Priority on-site compliance assistance as required.
Health and Safety Manager	<ul style="list-style-type: none"> • Provide advice and assistance to management, engineers, and supervisors • Administer the systems, processes and records that underpin the management of health and safety.

Position	Responsibilities
	<ul style="list-style-type: none"> • Report on H&S matters to the Project Manager, Client and Worksafe. • Review the investigation of incidents and incident reports. • Coordinate H&S training and inductions. • Ensure compliance with project H&S requirements. • Assist the Project Manager in the organisation and running of the Health and Safety Committee. • Fulfil the role of Covid19 Management Plan Co-Ordinator.
Traffic Manager	<ul style="list-style-type: none"> • Site specific temporary traffic management coordination. • Preparation of corridor access requests and traffic management plans.
Communication and Stakeholder Manager	<ul style="list-style-type: none"> • Maintenance of the complaints register. • Answering the Project 0800 number.

Appendix A Project Resource Consent ConditionTable

General Conditions AUTH127680.01.01		Associated Management Plan	Specific Section of the Management Plan
1	The Waikato River Bridge east of Hamilton Gardens authorised by this resource consent shall be designed, located and constructed in general accordance with the document entitled "Hamilton Southern Links - Waikato Regional Council Resource Consent Applications – Bridge Structures", prepared by AECOM dated 7 August 2013, and all supporting documentation except where otherwise required in the resource consent conditions below. Where there is any discrepancy between the application documents and the resource consent conditions then the conditions below shall prevail.	n/a	n/a
2	The consent holder shall appoint a representative prior to commencement of any works authorised by this resource consent, who shall be the Waikato Regional Council's principal contact person in regard to matters relating to this consent. The consent holder shall inform the Waikato Regional Council of the representative's name and how they can be contacted prior to this consent being exercised.	Construction Management Plan	Section 1.3 – Project Contact Details
3	The consent holder shall be responsible for all contracted operations relating to the exercise of this resource consent and shall ensure contractors are made aware of the conditions of this consent and ensure compliance with those conditions.	n/a	n/a
4	The consent holder shall inform the Waikato Regional Council in writing, at least 10 days prior to any work commencing, of the start date of the works authorised by this resource consent.	n/a	n/a
5	A copy of this resource consent shall be kept onsite at all times that the works authorised by this consent are being undertaken, and shall be produced without unreasonable delay upon request from a servant or agent of the Waikato Regional Council.	Construction Management Plan	Section 1.1 Purpose
6	The consent holder shall retain an appropriately qualified and experienced professional to develop the final detailed design of the bridge, which shall include pier location, height of the bridge above maximum water levels and erosion protection works.	Construction Management Plan	Section 7.0 Waikato River Bridge Design and Construction
7	The final detailed design of the bridge shall be forwarded for approval to the Waikato Regional Council - acting in a technical certification capacity, at least 40 working days prior to works commencing. The basis for the Regional Council's approval shall be limited to an assessment of whether the design, if complied with, will satisfy the conditions of this consent.	n/a	n/a
8	The consent holder shall exercise this consent in accordance with the design approved under condition 7 of this consent.	n/a	n/a
9	The consent holder shall ensure that unimpeded access is maintained along the Waikato River outside working hours except through areas where the safety of the public would be endangered as a result of the works.	Construction Management Plan	Section 7.0 Waikato River Bridge Design and Construction
10	The consent holder shall ensure that the bridge structure authorised by this consent is undertaken in such a manner so as to avoid increasing flooding effects on adjacent and downstream land.	Construction Management Plan	Section 7.0 Waikato River Bridge Design and Construction
11	The consent holder shall be held responsible for maintaining the bridge structure clear of debris and other obstructions through the full term of this consent.	This is an operational consent condition that will be addressed within the Asset Owner's Manual produced post construction	n/a
12	Construction works on the bridge structure shall not commence until approval to the final detailed design has been approved under condition 7	n/a	n/a
13	The consent holder shall provide the Waikato Regional Council with a finalised Erosion and Sediment Control Plan (ESCP), at least 40 working days prior to the commencement of activities authorised by this consent. The objective of the ESCP shall be to minimise sediment discharge from the site to the extent practicable over the earthworks period.	Erosion and Sediment Control Plan	n/a
14	The consent holder shall ensure that sediment losses to natural water arising from the exercise of this resource consent are minimised during the duration of the works and during the term of this consent.	Erosion and Sediment Control Plan	Entire document
15	The consent holder shall ensure that all erosion and sediment controls are inspected and in good working order prior to, and immediately after rain events. The consent holder shall further ensure that all erosion and sediment controls are maintained such that optimal sediment capture efficiency is achieved at all times.	Erosion and Sediment Control Plan	Section 9.0 Monitoring and Maintenance
16	All construction, operation and maintenance works shall be executed in a manner which minimises disturbance of soil surfaces and vegetation.	Erosion and Sediment Control Plan	Section 2 ESCP Design & Plan Approval Process

General Conditions AUTH127680.01.01		Associated Management Plan	Specific Section of the Management Plan
17	All disturbed soil surfaces that result from the construction and installation of the permanent bridge structure shall be stabilised immediately on completion of the works.	Erosion and Sediment Control Plan	Section 7.7 Stabilisation Methods for Beds and Banks
18	No excess vegetative material or soil disturbed as the result of the exercise of this consent shall be left on the banks of the Waikato River.	Erosion and Sediment Control Plan	Section 2 ESCP Design & Plan Approval Process
19	The consent holder shall ensure that all clean water run-off from stabilised surfaces including catchment areas above and around the site shall be diverted away from the earthworks area via a stabilised diversion system. The consent holder shall also ensure the outfall(s) of these systems incorporate adequate protection against erosion.	Erosion and Sediment Control Plan	Section 2 ESCP Design & Plan Approval Process
20	Any future protection and/or erosion control works or associated maintenance that becomes necessary as a result of the exercise of this consent shall be the responsibility of the consent holder and shall be carried out to the satisfaction of the Waikato Regional Council.	This is an operational consent condition that will be addressed within the Asset Owner's Manual produced post construction	n/a
Advice Note:	<i>A separate resource consent may be required as a result of the need to undertake erosion control works. Any such consent shall be obtained by the consent holder at their sole expense prior to any works being undertaken.</i>	n/a	n/a
21	The discharge of untreated surface runoff from any area where soil has been disturbed as a result of the exercise of this resource consent shall only occur after consultation and the prior written approval of the Waikato Regional Council acting in a technical certification capacity. In this regard, the main issues that will be considered by the Waikato Regional Council include: <ul style="list-style-type: none"> • The quality of the stabilisation and/or covering vegetation; • The quality of the water discharged from the rehabilitated land; and • The quality of the receiving water. 	This is an operational consent condition that will be addressed within the Asset Owner's Manual produced post construction	n/a
22	All earthmoving machinery, pumps and generators shall be operated in a manner which ensures that spillages of fuel, oil and similar contaminants are prevented, particularly during refuelling and machinery servicing and maintenance. Refuelling and lubrication activities shall be carried out away from any surface water such that any spillage can be contained and does not enter any surface water.	Hazardous Substances Management Plan	Section 9.9 Refuelling
23	Prior to entering the site all machinery shall be appropriately cleaned and inspected to minimise foreign plant species being introduced to the site.	n/a	n/a
24	Stormwater from the completed bridge deck shall be directed to the river bank and discharged beyond the abutments in a manner that does not cause bank or abutment erosion.	Construction Management Plan	Section 7.0 Waikato River Bridge Design and Construction
25	The consent holder shall ensure that the bridge is constructed in a manner that avoids the deposition of construction materials into the Waikato River channel under normal conditions, taken as low winter flow of RL 11.39m.	Construction Management Plan	Section 7.0 Waikato River Bridge Design and Construction
Ecological Restoration and Mitigation			
26	The consent holder shall retain an appropriately qualified and experienced ecologist to prepare a detailed Ecological Restoration and Mitigation Plan (ERMP) or version thereof. The EMRP's objective shall be to avoid, remedy, or mitigate adverse ecological effects associated with the bridge construction on flora and fauna habitats, and in particular long-tailed bats. The EMRP shall be submitted to the Waikato Regional Council for written approval prior to commencement of the construction activities authorised by this resource consent.	Ecological Monitoring and Management Plan	n/a
Cultural and Archaeological			
27	The consent holder shall ensure that the exercise of this resource consent does not disturb sites of cultural significance to Tangata Whenua. In the event of any archaeological artefacts being discovered the works shall, in the vicinity of the discovery, cease immediately and the Waikato Regional Council shall be notified within 24 hours. Works may recommence on the written approval of the Waikato Regional Council after considering: <ol style="list-style-type: none"> Tangata Whenua interests and values; Protocols agreed upon by Tangata Whenua and the consent holder; The consent holders interests; Any Historical Places Trust authorisations; and e. Any archaeological or scientific evidence. 	Archaeological Site Management Plan	Section 4 Protocols and Procedures

General Conditions AUTH127680.01.01		Associated Management Plan	Specific Section of the Management Plan
	Review		
28	The Waikato Regional Council may at any time two months either side of January of 2020, 2025, 2030, 2035, 2040 and 2045, serve notice on the consent holder under section 128(1) of the Resource Management Act (1991), and commence a review of the conditions of this resource consent for the following purposes: a. to review the effectiveness of the conditions of this resource consent in avoiding or mitigating any adverse effects on the environment and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions; orb. if necessary and appropriate, to require the holder of this resource consent to adopt the best practicable option to remove or reduce adverse effects on the surrounding environment due to the discharge of stormwater to surface water; orc. to review the adequacy of and the necessity for monitoring undertaken by the consent holder, and if necessary, to amend and/or introduce new conditions to monitor any adverse effects on the environment that result from the exercise of this resource;	No specific Management Plan addresses this condition as HEB Construction recognise the condition does not require an output/deliverable just an acknowledgement that HEB Construction is aware, and has been made aware via contract conditions, of the conditions of the resource consents.	n/a
<i>Advice Note:</i>	<i>Costs associated with any review of the conditions of this resource consent will be recovered from the consent holder in accordance with the provisions of section 36 of the Resource Management Act 1991.</i>	n/a	n/a
	Administration		
29	The consent holder shall pay to the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act 1991, or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act 1991.	n/a	n/a
	Lapse Period		
30	In accordance with section 125 RMA, this resource consent shall lapse twenty (20) years after the date on which it was granted unless it has been given effect to before the end of that period.	n/a	n/a

General Conditions AUTH141620.01.01		Associated Management Plan	Specific Section of the Management Plan
1	The consent holder shall ensure that the works and activities authorised by this resource consent are carried out in accordance with the conditions as set out in Schedule One.	n/a	n/a
2	The daily combined take authorised by this consent (AUTH141620.01.01) and consent AUTH141620.02.01 shall not exceed 1,000 cubic meters per day.	Erosion and Sediment Control Plan	Section 8.4 Monitoring
3	Any water taken in accordance with this consent shall not be subject to any usage for construction purposes or any other activities within the site and shall be discharged immediately to the receiving environment directly below the point of take following appropriate treatment (if required).	Erosion and Sediment Control Plan	Section 8.2 Dewatering
4	The water take activities including any associated discharge of water shall be undertaken in accordance with the Dewatering Management Plan required by condition 47 of Schedule 1.	Erosion and Sediment Control Plan	Section 8 Dewatering Management Site specific dewatering management plans prepared as required.
5	A water measuring system must quantify the volume of water taken on a continuous basis. The system must have a reliable calibration to flow and must be maintained to an accuracy of +/- 5%. Prior to first commencing to take groundwater under this consent, evidence of the water measuring system's calibration to an accuracy of +/- 5% must be provided to the Waikato Regional Council.	Erosion and Sediment Control Plan	Section 8.4 Monitoring
6	Additional calibration of the water measuring system to ensure that the water measuring system has an accuracy of +/- 5% must be undertaken by the consent holder at the written request of the Waikato Regional Council. Evidence documenting each respective additional calibration must be forwarded to the Waikato Regional Council within one month of the calibration being completed.	Erosion and Sediment Control Plan	Section 8.4 Monitoring
7	The consent holder must maintain a continuous record of water taken through this consent (AUTH141620.01.01) in combination with consent AUTH141620.02.01. The record must: <ul style="list-style-type: none"> a) Specify the date on which the record was taken; b) Include total daily volume of water abstracted (m³); c) Include cumulative total of water abstracted (m³); d) Specify zero values when no water is being taken; e) Include pumping hours per day ; f) fBe reported to Waikato Regional Council via email within the first 10 working days of each month for the preceding month. 	Erosion and Sediment Control Plan	Section 8.4 Monitoring
Advice Note:	<i>The groundwater take activities authorised through this consent relate to the abstraction of groundwater from subsurface aquifers during construction activities via direct take methods such as dewatering of piling/boring activities or well point dewatering methods. Where groundwater daylighted within excavations or drains directly into sediment control devices prior to abstraction, the taking of water from these areas comprises a surface water take and is authorised via consent number AUTH141620.02.01.</i>	n/a	n/a
8	The consent holder shall pay the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act (1991), or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act (1991).	n/a	n/a

General Conditions AUTH141620.02.01		Associated Management Plan	Specific Section of the Management Plan
1	The consent holder shall ensure that the works and activities authorised by this resource consent are carried out in accordance with the conditions as set out in Schedule One.	n/a	n/a
2	The daily combined take authorised by this consent (AUTH141620.02.01) and consent AUTH141620.01.01 shall not exceed 1,000 cubic meters per day.	Erosion and Sediment Control Plan	Section 8.4 Monitoring
3	Any water taken in accordance with this consent shall not be subject to any usage for construction purposes or any other activities within the site and shall be discharged immediately to the receiving environment directly below the point of take following appropriate treatment (if required).	Erosion and Sediment Control Plan	Section 8.2 Dewatering
4	The water take activities including any associated discharge of water shall be undertaken in accordance with the Dewatering Management Plan required by condition 47 of Schedule 1.	Erosion and Sediment Control Plan	Section 8 Dewatering Management Site specific dewatering management plans prepared as required.
5	A water measuring system must quantify the volume of water taken on a continuous basis. The system must have a reliable calibration to flow and must be maintained to an accuracy of +/- 5%. Prior to first commencing to take groundwater under this consent, evidence of the water measuring systems calibration to an accuracy of +/- 5% must be provided to the Waikato Regional Council.	Erosion and Sediment Control Plan	Section 8.4 Monitoring
6	Additional calibration of the water measuring system to ensure that the water measuring system has an accuracy of +/- 5% must be undertaken by the consent holder at the written request of the Waikato Regional Council. Evidence documenting each respective additional calibration must be forwarded to the Waikato Regional Council within one month of the calibration being completed.	Erosion and Sediment Control Plan	Section 8.4 Monitoring
7	The consent holder must maintain a continuous record of water taken through this consent (AUTH141620.01.01) in combination with consent AUTH141620.02.01. The record must: <ul style="list-style-type: none"> a) Specify the date on which the record was taken; b) Include total daily volume of water abstracted (m³); c) Include cumulative total of water abstracted (m³); d) Specify zero values when no water is being taken; e) Include pumping hours per day ; f) Be reported to Waikato Regional Council via email within the first 10 working days of each month for the preceding month. 	Erosion and Sediment Control Plan	Section 8.4 Monitoring
8	The consent holder shall pay the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act (1991), or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act (1991).	n/a	n/a

General Conditions AUTH141620.03.01		Associated Management Plan	Specific Section of the Management Plan
1	The consent holder shall ensure that the works and activities authorised by this resource consent are carried out in accordance with the conditions as set out in Schedule One.	n/a	n/a
2	<p>The consent holder shall construct and establish the stormwater system in general accordance with the detailed stormwater design plans and supporting documents submitted to the Waikato Regional Council on 28 July, 2020 including provision of all the following stormwater management features:</p> <p>a) Stormwater reticulation network including all catch pits, pipelines and overland flowpaths/swales:</p> <p>b) Waikato River Bridge Catchment:</p> <ol style="list-style-type: none"> i. Raingarden SWD01 – Water Quality Treatment; ii. Outfall SWO-1. <p>c) Central Catchment:</p> <ol style="list-style-type: none"> i. Raingarden SWD03 – Partial Water Quality Treatment; ii. Wetland SWD02 – Water Quality Treatment and Extended Detention; iii. 10 x's R1 type Raingardens and 6 R2 type Raingardens along Peacockes Road and Westonlea Drive West; iv. Outfall SW0-2; <p>d) Western Catchment:</p> <ol style="list-style-type: none"> i. Wetland SWD04 – Water Quality Treatment/2 and 10 year flow attenuation/Extended Detention; ii. Infiltration Basin; iii. Attenuation Basin; iv. Outfall SW03. 	n/a	n/a
3	The consent holder shall not undertake any changes to the stormwater system which would fundamentally alter the stormwater quality or quantity characteristics of the stormwater discharge activities authorised by this resource consent.	n/a	n/a
Advice Note:	<i>The stormwater discharge activities authorised through this consent relate to discharges from the Peacockes Strategic Transport network roads only and do not extend to discharges from the adjacent/future urban development areas unless agreed with the Waikato Regional Council at the time of the future development.</i>	n/a	n/a
4	As-builtsThe consent holder shall submit final "as-built" details and drawings of the stormwater management system including the stormwater reticulation system and the stormwater treatment, attenuation systems and discharge outfall structures associated with the stormwater discharge activities authorised by this resource consent. The "as-built" details and drawings shall be submitted to the Waikato Regional Council within 1 month of final completion of construction works associated with the stormwater management devices. The as-built plans shall be certified by an appropriately qualified engineer as a true record of the completed stormwater management system and that the completed stormwater management system is in general accordance with the approved detailed design plans referred to in condition 2 above.	n/a	n/a
5	<p>Stormwater Quality</p> <p>The consent holder shall manage the stormwater network to avoid the discharge of any substance that is likely to cause the production of conspicuous oil, or grease films, scums or foams, or floatable suspended materials in stormwater receiving water bodies after reasonable mixing.</p>	Stormwater Operation and Maintenance Plan	TBC * at the time of the drafting of the CMP for construction purposes the SOMP was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.
6	<p>The consent holder shall manage the stormwater network to avoid the discharge of suspended solids and any other substances that are likely to cause the following effects in stormwater receiving water bodies after reasonable mixing:</p> <ol style="list-style-type: none"> a) Conspicuous changes in colour or visual clarity; b) Increases in suspended solids concentrations by more than 10 percent; c) c) 100 grams per cubic metre suspended solids concentrations or greater. 	Stormwater Operation and Maintenance Plan	TBC * at the time of the drafting of the CMP for construction purposes the SOMP was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.

General Conditions AUTH141620.03.01		Associated Management Plan	Specific Section of the Management Plan
Advice Note:	<i>For the purposes of this condition, the suspended solids discharge parameters referenced above shall only apply to the post development stormwater discharges authorised by this resource consent and do not apply to the earthworks activities which are authorised under the separate land disturbance resource consent AUTH141620.08.01.</i>	n/a	n/a
7	The consent holder shall manage the stormwater network to avoid the discharge of hazardous substances in concentrations that are likely to adversely affect aquatic life, or the suitability of water for human consumption after treatment. Where a question arises as to whether the concentration of any particular hazardous substance is causing these effects, it shall be determined through the application of the United States Environmental Protection Agency National Recommended Water Quality Criteria (USEPA, 2009) – Criteria Maximum Concentration, or any other technical publication approved in advance by the Waikato Regional Council in a technical certification capacity.	Stormwater Operation and Maintenance Plan	TBC * at the time of the drafting of the CMP for construction purposes the SOMP was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.
8	All stormwater treatment devices including wetlands and raingardens which form part of the stormwater network and are designed to treat contaminated stormwater shall be operated and maintained by the consent holder to provide best practicable stormwater treatment efficiency at all times.	Stormwater Operation and Maintenance Plan	TBC * at the time of the drafting of the CMP for construction purposes the SOMP was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.
9	Water Quantity The consent holder shall manage the stormwater network to avoid the following stormwater quantity effects: a) Adverse scour, erosion and sediment deposition on land, property and within the beds of stormwater receiving water bodies; b) Adverse flooding of land and property; c) Adverse effects on aquatic ecosystems.	Stormwater Operation and Maintenance Plan	TBC * at the time of the drafting of the CMP for construction purposes the SOMP was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.
Advice Note:	<i>Stormwater diversion and discharge activities in conjunction with urban land-use, can adversely affect flood potential by either limiting the rate at which stormwater drains from a catchment, or by increasing the rate and volume of discharge to downstream catchments. Whilst such effects are the subject of this consent, it is also recognised that 'levels of service' for flood alleviation in urban catchments are established by territorial authorities through separate statutory procedures and community consultation. The 'levels of service' that are established between the territorial authority and the community are not the subject of this resource consent.</i>	n/a	n/a
10	As soon as practicable after becoming aware of any of the adverse effects of the nature specified in Condition 9 that are more than minor, the consent holder shall submit a report to the Waikato Regional Council in relation to the adverse effects. As a minimum, the report shall include: a) A description of the adverse effects; b) A description of the cause of the adverse effects; c) An explanation of any measures taken to remedy or mitigate the adverse effects, the outcome of those measures, and whether further measures are necessary and reasonably practicable; d) If no measures have been taken in accordance with (c), a description of any reasonably practicable measures that could be taken to remedy or mitigate the adverse effects and a recommendation as to whether those measures are necessary. The consent holder shall liaise with the Waikato Regional Council with a view to determining any reasonably practicable measures which should be taken to remedy or mitigate the adverse effects.	Stormwater Operation and Maintenance Plan	TBC * at the time of the drafting of the CMP for construction purposes the SOMP was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.
Advice Note:	<i>Separate resource consents may be required to undertake remedial or mitigation works. The consent holder is advised to obtain all such consents at its sole expense, prior to any works being undertaken.</i>	n/a	n/a

General Conditions AUTH141620.03.01		Associated Management Plan	Specific Section of the Management Plan
11	<p>Stormwater Device Planting Management Plan</p> <p>A detailed Stormwater Device Planting Management Plan shall be prepared for the design and implementation of the plantings within the raingardens, wetlands, infiltration and attenuation basins which form part of the stormwater management system. This plan shall include but not be limited to:</p> <ul style="list-style-type: none"> a) Device planting details including species to be planted, size/number of plants, density of planting and sourcing of plants; b) Ongoing maintenance, weed and pest control requirements including timing and frequency of maintenance inspections; and c) Supplementary/replacement planting plans specifications. 	Stormwater Device Planting Management Plan	TBC * at the time of the drafting of the CMP for construction purposes the Stormwater Device Planting Management Plan was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.
	<p>The Stormwater Device Planting Management Plan shall be to a standard acceptable to the Waikato Regional Council and shall be submitted to the Waikato Regional Council for each of the stormwater devices for written approval in a technical certification capacity prior to implementation of the plantings within the stormwater management devices. The approved Stormwater Device Planting Management Plans shall be implemented on site to ensure the successful establishment of the required plantings within all stormwater management devices.</p>	Stormwater Device Planting Management Plan	TBC * at the time of the drafting of the CMP for construction purposes the Stormwater Device Planting Management Plan was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.
Advice Note:	<i>It is accepted that generic planting plans can be submitted which will be applicable to all of the raingarden devices, however individual planting plans are required for each of the basin/wetland devices.</i>	n/a	n/a
12	<p>Operation and Maintenance Plan</p> <p>The Consent Holder shall provide the Waikato Regional Council with a Stormwater Operation and Maintenance Plan (SOMP) for the stormwater management systems to be implemented within the site. The objective of the SOMP shall be to outline specific operation and maintenance procedures to be implemented to ensure the long term effectiveness of the stormwater system in achieving the design stormwater management functions as outlined within the application for this consent and in accordance with the Waikato Stormwater Management Guidelines 2018. The SOMP shall provide for all operational, maintenance, planting and monitoring measures associated with the stormwater discharge activities authorised by this resource consent and may include but not be limited to:</p> <ul style="list-style-type: none"> a) A programme for regular monitoring and inspection of the stormwater management system including details of monitoring and inspection frequency; b) A programme for the regular collection and disposal of debris and sediment collected by the stormwater management devices to ensure that storage/soakage are not compromised and that appropriate contaminant removal procedures are established; c) A programme for the monitoring of bioretention and soakage device performance including infiltration efficiencies; d) A programme for the replacement of bioretention device media as required to maintain treatment efficiencies in accordance with the approved design documents; e) e) Inspection checklists for all aspects of the stormwater management system including monitoring and maintenance of water quality and vegetation and all inlet/outlet structures; f) Details of who will be responsible for the operation and maintenance works; and g) g) Details of recording and reporting of operation and maintenance activities to the WRC. <p>The SOMP shall be submitted to the Waikato Regional Council for approval acting in a technical certification capacity prior to the commencement of the stormwater discharge activities within the site and shall be implemented on site for the duration of the stormwater diversion and discharge activities.</p>	Stormwater Operation and Maintenance Plan*	TBC * at the time of the drafting of the CMP for construction purposes the Stormwater Device Planting Management Plan was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.
13	Any changes to the approved SOMP shall be confirmed in writing by the consent holder and approved in writing by the Waikato Regional Council prior to the implementation of any changes proposed.	Stormwater Operation and Maintenance Plan*	TBC * at the time of the drafting of the CMP for construction purposes the Stormwater Device Planting Management Plan was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.
14	The consent holder shall pay the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act (1991), or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act (1991).	n/a	n/a

General Conditions AUTH141620.04.01		Associated Management Plan	Specific Section of the Management Plan
1	The consent holder shall ensure that the works and activities authorised by this resource consent are carried out in accordance with the conditions as set out in Schedule One.	n/a	n/a
2	The consent holder shall pay the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act (1991), or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act (1991).		

General Conditions AUTH141620.05.01		Associated Management Plan	Specific Section of the Management Plan
1	The consent holder shall ensure that the works and activities authorised by this resource consent are carried out in accordance with the conditions as set out in Schedule One.	n/a	n/a
2	The consent holder shall pay the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act (1991), or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act (1991).		

General Conditions AUTH141620.06.01		Associated Management Plan	Specific Section of the Management Plan
1	The consent holder shall ensure that the works and activities authorised by this resource consent are carried out in accordance with the conditions as set out in Schedule One.	n/a	n/a
2	The consent holder shall pay the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act (1991), or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act (1991).		

General Conditions AUTH141620.07.01		Associated Management Plan	Specific Section of the Management Plan
1	The consent holder shall ensure that the works and activities authorised by this resource consent are carried out in accordance with the conditions as set out in Schedule One.	n/a	n/a
2	The consent holder shall be held responsible for maintaining the discharge outlet structures clear of debris and other obstructions.	Stormwater Operation and Maintenance Plan	TBC * at the time of the drafting of the CMP for construction purposes the SOMP was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.
3	The discharge outlet structures from any part of the stormwater system shall not cause any conspicuous scouring or erosion effects at the point of discharge. In the event that effects do occur they shall be remedied without undue delay.	Stormwater Operation and Maintenance Plan	TBC * at the time of the drafting of the CMP for construction purposes the SOMP was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.
4	The consent holder shall be responsible for monitoring the discharge outlet structures and any future protection and/or erosion control works or associated maintenance that becomes necessary as a result of the exercise.	Stormwater Operation and Maintenance Plan	TBC * at the time of the drafting of the CMP for construction purposes the SOMP was still being developed for a delayed submission, this table will be amended when the appropriate sections of the SOMP have been finalised.
5	The consent holder shall pay the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act (1991), or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act (1991).	n/a	n/a

General Conditions AUTH141620.08.01		Associated Management Plan	Specific Section of the Management Plan
1	The consent holder shall ensure that the works and activities authorised by this resource consent are carried out in accordance with the conditions as set out in Schedule One.	n/a	n/a
2	The consent holder shall pay the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act (1991), or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act (1991).		
General Conditions AUTH141620.09.01		Associated Management Plan	Specific Section of the Management Plan
1	The consent holder shall ensure that the works and activities authorised by this resource consent are carried out in accordance with the conditions as set out in Schedule One.	n/a	n/a
2	The consent holder shall pay the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act (1991), or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act (1991).		
General Conditions AUTH141620.10.01		Associated Management Plan	Specific Section of the Management Plan
1	The consent holder shall ensure that the works and activities authorised by this resource consent are carried out in accordance with the conditions as set out in Schedule One.	n/a	n/a
2	The consent holder shall pay the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act (1991), or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act (1991).		

Schedule 1 Conditions AUTH141620.01.01 to AUTH141620.10.01		Associated Management Plan	Specific Section of the Management Plan
	The granting of resource consents for the Peacockes Strategic Transport Network Project is subject to the following general conditions that shall apply to each individual consent (AUTH141620.01.01 - AUTH141620.10.01). If there are any conflicting requirements, the most stringent requirement shall apply unless otherwise agreed to in writing by the Waikato Regional Council.	n/a	n/a
1	Except as modified by the consent conditions below and as stipulated in each individual resource consent, the activities authorised by this resource consent shall be undertaken in general accordance with the application for these resource consents received by the Waikato Regional Council on 27 February, 2020 and all supporting information except where otherwise required in the resource consent conditions. Where there is any discrepancy between the application documents and the resource consent conditions then the conditions below shall prevail.	n/a	n/a
2	The consent holder shall appoint a representative(s) prior to commencement of any works authorised by this resource consent, who shall be the Waikato Regional Council's principal contact person in regard to matters relating to this consent. The consent holder shall inform the Waikato Regional Council of the representative's name and how they can be contacted prior to this consent being exercised. Should that person(s) change during the term of this resource consent, the consent holder shall immediately inform the Waikato Regional Council and shall also give written notice to the Waikato Regional Council of the new representatives name and how they can be contacted.	Construction Management Plan	Section 1.3, Project Contact Details
3	The consent holder shall be responsible for all contracted operations relating to the exercise of this resource consent, and shall ensure contractors are made aware of the conditions of this consent and ensure compliance with those conditions.	n/a	n/a
4	A copy of this resource consent shall be kept onsite at all times that the works authorised by this consent are being undertaken, and shall be produced without unreasonable delay upon request from a servant or agent of the Waikato Regional Council.		
5	Pre-works RequirementsThe consent holder shall inform the Waikato Regional Council in writing, at least 10 working days prior to commencement of any works, of the start date of the works authorised by this resource consent.	Construction Management Plan	Section 1.1 Purpose
6	The consent holder shall arrange and conduct a pre-construction site meeting and invite with a minimum of 10 working days notice, the Waikato Regional Council, the site representative nominated under condition 2 of this consent, the contractor, and any other party representing the consent holder prior to any works authorised by this consent commencing on the site.		
<i>Advice Note:</i>	<i>In the case that any of the invited parties, other than the site representative does not attend this meeting, the consent holder will have complied with this condition, provided the invitation requirements is met.</i>	n/a	n/a
7	Winter Works The earthworks/soil disturbance activities authorised by this resource consent shall not be carried out during the winter period 1st May to 30th September inclusive in any year that this consent is current unless authorised by the Waikato Regional Council as per condition 9.	Erosion and Sediment Control Plan	Section 11.3 Winterworks

Schedule 1 Conditions AUTH141620.01.01 to AUTH141620.10.01		Associated Management Plan	Specific Section of the Management Plan
8	The consent holder shall ensure that the site is appropriately stabilised by 30 April of each year unless otherwise approved in writing by the Waikato Regional Council. Stabilisation shall be undertaken by providing adequate measures (vegetative and/or structural and including, pavement, metalling, hydroseeding, revegetating and mulching) that will minimise erosion of exposed soil to the extent practicable.	Erosion and Sediment Control Plan	Section 11.2 Stabilisation Timeframes & Specifications Section 11.3 Winterworks
9	Requests to undertake earthworks during the period 1st May to 30th September inclusive shall be submitted in writing to the Waikato Regional Council by 1st April, and shall be in the form of amendments to the approved Erosion and Sediment Control Plan.	Erosion and Sediment Control Plan	Section 11.3 Winterworks
Advice Note	<p><i>In considering a request for the continuation of winter works, the Waikato Regional Council will consider a number of factors; including:</i></p> <ul style="list-style-type: none"> • <i>the nature of the site and the winter soil disturbance works proposed;</i> • <i>the quality of the existing/proposed erosion and sediment controls;</i> • <i>the compliance history of the site/operator;</i> • <i>seasonal/local soil and weather conditions;</i> • <i>sensitivity of the receiving environment; and</i> • <i>any other relevant factor.</i> 	n/a	n/a
10	<p>Erosion and Sediment Control</p> <p>At least 10 working days prior to the commencement of earthworks within any part of the site, the consent holder shall provide the Waikato Regional Council with a finalised Erosion and Sediment Control Plan (E&SCP). The objective of the E&SCP shall be to minimise sediment discharge from the site to the extent practicable over the earthworks period.</p>	Erosion and Sediment Control Plan	n/a
11	<p>The E&SCP shall as a minimum be based upon and incorporate those specific principles and practices which are appropriate for the activity authorised by this consent and contained within the Waikato Regional Council document titled "Erosion and Sediment Control – Guidelines for Soil Disturbing Activities" (Technical Report No. 2009/02 – dated January 2009), and shall include at least the following;</p> <ol style="list-style-type: none"> a) Details of all principles, procedures and practices that will be implemented to undertake erosion and sediment control to minimise the potential for sediment discharge from the site; b) The design criteria and dimensions of all key erosion and sediment control structures; c) A site plan of a suitable scale to identify; <ol style="list-style-type: none"> i. The locations of waterways; ii. The extent of soil disturbance and vegetation removal; iii. Any "no go" and/or buffer areas to be maintained undisturbed adjacent to watercourses; iv. Areas of cut and fill; v. Locations of topsoil stockpiles; vi. All key erosion and sediment control structures; vii. The boundaries and area of catchments contributing to all stormwater impoundment structures; viii. The locations of all specific points of discharge to the environment; and ix. Any other relevant site information. d) Construction timetable for the erosion and sediment control works and the bulk earthworks proposed; e) A detailed staging plan and methodology for the works including details of staging of the works and of how the extent of exposed works will be minimised on site; <ol style="list-style-type: none"> x. i) Details of specific measures that will be implemented to maximise the use of infiltration of earthworks runoff within the earthworks catchment areas where site conditions allow to minimise loading on sediment control devices (e.g. runoff containment, sediment pits, SRP invert ripping etc); f) Timetable and nature of progressive site rehabilitation and re-vegetation proposed; g) Maintenance, monitoring and reporting procedures; h) Rainfall response and contingency measures including procedures to minimise adverse effects in the event of extreme rainfall events and/or the failure of any key erosion and sediment control structures; 	Erosion and Sediment Control Plan	<p>Entire plan.</p> <p>Site specific erosion and sediment control plans prepared as required.</p>

Schedule 1 Conditions AUTH141620.01.01 to AUTH141620.10.01		Associated Management Plan	Specific Section of the Management Plan
	<p>i) Procedures and timing for review and/or amendment to the E&SCP; and</p> <p>j) Identification and contact details of personnel responsible for the operation and maintenance of all key erosion and sediment control structures.</p> <p>The E&SCP shall be approved in writing by the Waikato Regional Council acting in a technical certification capacity prior to any works authorised by this consent commencing and the consent holder shall undertake all earthworks authorised by this consent in accordance with the approved E&SCP</p>		
12	Any changes proposed to the E&SCP shall be confirmed in writing by the consent holder and approved in writing by the Waikato Regional Council acting in a technical certification capacity, prior to the implementation of any changes proposed.	Erosion and Sediment Control Plan	Section 2 Section 2 ESCP Design & Plan Approval Process
13	The consent holder shall ensure that a copy of the approved E&SCP, including any approved amendments, is kept onsite and this copy is updated within 5 working days of any amendments being approved.	Erosion and Sediment Control Plan	Section 11.5 On-site Compliance
14	<p>Prior to bulk earthworks commencing on any area, the consent holder shall submit to the Waikato Regional Council a certificate signed by an appropriately qualified and experienced engineer to certify that the erosion and sediment controls have been constructed in accordance with the approved erosion and sediment control plans and in accordance with the document titled "Erosion and Sediment Control Guidelines for Soil Disturbing Activities January 2009". Certified controls shall include any sediment retention pond, decanting earth bunds, silt fences and diversion channels/bunds. The certification for these measures shall be supplied within five working days of completion of construction of those measures. Information supplied if applicable shall include:</p> <p>a) Contributing catchment area; and</p> <p>b) Retention volume of structure (dead storage and live storage measured to the top of the primary spillway); and</p> <p>c) Shape and dimensions of structure; and</p> <p>d) Position of inlets/outlets; and</p> <p>e) Stabilisation of the structure; and</p> <p>f) Compliance with the Waikato Regional Council document titled "Erosion and Sediment Control Guidelines for Soil Disturbing Activities January 2009" (Technical Report No. 2009/02); and</p> <p>g) Compliance with any relevant conditions of this consent.</p>	Erosion and Sediment Control Plan	Section 2 Section 2 ESCP Design & Plan Approval Process
<i>Advice Note:</i>	<i>An example template and the information required for the As Built Certification Statements can be found on the Waikato Regional Council website www.waikatoregion.govt.nz/earthworks.</i>	<i>n/a</i>	<i>n/a</i>
15	The consent holder shall ensure that all sediment laden run-off from the site is treated by sediment retention structures. These structures are to be fully operational before bulk earthworks commence and shall be maintained to perform at least at 80% of their full operational capacity.	Erosion and Sediment Control Plan	Section 9.2 Device Monitoring
16	The consent holder shall ensure that all clean water run-off from stabilised surfaces including catchment areas above and around the site shall be diverted away from the earthworks area via a stabilised diversion system.	Erosion and Sediment Control Plan	Section 2.1 ESCP Design Philosophy and Section 3.1 Clear Water Diversions
17	The consent holder shall ensure that all runoff diversion systems are designed and installed to convey flows from contributing catchment areas up to the 20% AEP rainfall event plus 300mm of freeboard without overtopping and shall also ensure that these systems incorporate adequate protection against erosion where required.	Erosion and Sediment Control Plan	Section 3.1 Clear Water Diversions and Section 3.3 Dirty water Diversions and Drop Out Pits
18	The consent holder shall ensure that all erosion and sediment controls are inspected and in good working order prior to, and immediately after rain events. The consent holder shall further ensure that all erosion and sediment controls are maintained such that optimal sediment capture efficiency is achieved at all times.	Erosion and Sediment Control Plan	Section 9.1 Rainfall Monitoring and Section 9.2 Device Monitoring

Schedule 1 Conditions AUTH141620.01.01 to AUTH141620.10.01		Associated Management Plan	Specific Section of the Management Plan
19	The consent holder shall construct a stabilised construction entrance at the site entrance point and shall manage all traffic leaving the site to prevent the tracking of sediment onto the public road surface.	Erosion and Sediment Control Plan	Section 3.4 Stabilised Entrances
20	In the event that any persistent sediment tracking effects are identified, the consent holder shall install an appropriate wheel wash facility to prevent any ongoing effects.	Erosion and Sediment Control Plan	Section 3.4 Stabilised Entrances
21	The erosion and sediment controls specified in the Erosion and Sediment Control Plan, shall not be disestablished without the prior written approval of the Waikato Regional Council, acting in a technical certification capacity.	Erosion and Sediment Control Plan	Section 11.4 De-commissioning
22	Flocculation All decanting earth bunds and sediment retention ponds established on site in accordance with the approved E&SCP shall incorporate a suitable rain activated flocculant dosing system unless otherwise approved by the Waikato Regional Council.	Erosion and Sediment Control Plan	Section 5 Flocculation Management
23	Prior to the commissioning of any flocculation treatment system, the consent holder shall provide the Waikato Regional Council with a Flocculation Management Plan (FMP), for the written approval of the Waikato Regional Council. The FMP shall include as a minimum: a) Specific design details for the flocculation system; b) Monitoring, maintenance (including post-storm) and including a record system; c) Details of optimum dosage (including assumptions); d) Results of any initial flocculation trial; e) A spill contingency plan; and f) Contact details of the persons responsible for the operation and maintenance of the flocculation treatment system and the organisational structure to which this person shall report. The FMP shall be approved in writing by the Waikato Regional Council acting in a technical certification capacity prior to any works authorised by these consents commencing. Any changes proposed to the approved FMP shall be confirmed in writing by the consent holder and approved in writing by the Waikato Regional Council acting in a technical certification capacity, prior to the implementation of any changes proposed.	Erosion and Sediment Control Plan	Section 5 – Flocculation Management
24	Monitoring and Maintenance The consent holder shall ensure that the erosion and sediment controls at the site are inspected a minimum of once per week and within 24 hours of each rainstorm event that is likely to impair the function or performance of the controls.	Erosion and Sediment Control Plan	Section 9.2 Device Monitoring
25	The consent holder shall carry out monitoring and maintenance of erosion and sediment controls in accordance with the conditions of this consent and shall maintain records detailing; a) The date, time and results of the monitoring undertaken; and b) The erosion and sediment controls that required maintenance; and c) The time when the maintenance was undertaken; and d) The type of maintenance carried out. e) These records shall be provided to the Waikato Regional Council on request.	Erosion and Sediment Control Plan	Section 9.2 Device Monitoring
26	Sampling If requested in writing by the Waikato Regional Council the consent holder shall take samples of the discharges from all sediment control devices on the site a minimum of once per month and after all rainfall events greater than 20 millimetres in the preceding 24 hours, excepting times when there are no discharges. The consent holder shall take the samples within four hours of becoming aware of a rainfall event greater than 20 millimetres in the preceding 24 hours.	Erosion and Sediment Control Plan	Section 10.4 Sampling on request

Schedule 1 Conditions AUTH141620.01.01 to AUTH141620.10.01		Associated Management Plan	Specific Section of the Management Plan
Advice Note:	<i>The purpose of this condition is to provide an opportunity for pond discharge sampling to be required if either flocculants are being used due to potential overdosing pH/Al issues, or where the discharge from a pond is not acceptable and actions are required (potentially including the use of flocculants) to resolve that situation.</i>	n/a	n/a
27	Within one working day of taking any samples required, the consent holder shall have those samples analysed for suspended solids and turbidity and (if flocculants are being used to treat any sediment retention devices) pH, and soluble aluminium. The results of the analysis shall be forwarded to the Waikato Regional Council within 5 days of analysis.	Erosion and Sediment Control Plan	Section 10.4 Sampling on request
28	The consent holder shall ensure that the soluble aluminium concentration of any discharge from a sediment control devices flocculated in accordance with a Flocculation Management Plan approved in accordance with condition 23, shall not exceed 0.2 grams per cubic metre.	Erosion and Sediment Control Plan	Section 10.1.3 Chemical Treatment Sampling
29	The consent holder shall ensure that the pH of any discharge from a sediment control devices flocculated in accordance with a Flocculation Management Plan approved in accordance with condition 23, shall not be less than 6.5 or greater than 8.5 pH units.	Erosion and Sediment Control Plan	Section 10.1.3 Chemical Treatment Sampling
30	Any sampling required by this resource consent, the frequency of sampling, analyses and reporting may be altered or reduced with the written agreement of the Waikato Regional Council.	Erosion and Sediment Control Plan	Section 12 Review
31	The concentration of suspended solids in the downstream watercourses shall not exceed 150 grams per cubic metre suspended solids concentration as a result of the exercise of this consent. This standard shall apply, except where the suspended solids concentration in the named water body, unaffected by the activity, is greater than the standard specified. When the concentration of suspended solids in the named water body, unaffected by the activity, exceeds 150 grams per cubic metre then there shall not be any increase in the suspended solids concentration in the named water body as a result of activities authorised by this consent.	Erosion and Sediment Control Plan	Section 10.4 Sampling on request
Advice Note:	<i>When assessing compliance with this condition a minimum of three water samples should be collected: (a) upstream and unaffected by the activities authorised by this consent; (b) the point source discharge from the activities authorised by this consent; and (c) downstream after reasonable mixing.</i>	n/a	n/a
32	Dust All earthworks activities carried out on site shall be conducted and managed in such a manner as to ensure that all dust and particulate emissions are kept to a practical minimum to the extent that there are no dust discharges beyond the boundary of the site that cause an objectionable effect.	Erosion and Sediment Control Plan	Section 6 Dust Management
33	The consent holder shall ensure that, at all times, the soil moisture of exposed areas is maintained at sufficient levels, under prevailing wind conditions, to prevent dust generated by normal earthmoving operations from remaining airborne beyond the boundary of the work site.	Erosion and Sediment Control Plan	Section 6 Dust Management
34	The consent holder shall ensure that, outside of normal working hours, staff are available on-call at all times to operate the water application system for dust suppression.	Erosion and Sediment Control Plan	Section 6 Dust Management

Schedule 1 Conditions AUTH141620.01.01 to AUTH141620.10.01		Associated Management Plan	Specific Section of the Management Plan
35	If so required by the Waikato Regional Council, the consent holder shall carry out immediate sealing of any problematic dust generating surfaces within the site using hydro-seed/hydro-mulch, polymer soil stabilisers or a similar dust control product to provide instant remediation of any areas to prevent any ongoing dust effects.	Erosion and Sediment Control Plan	Section 6.6.6 Surface Applications of Polymer Soil Stabilisers
36	<p>The consent holder shall provide the Waikato Regional Council with a detailed Dust Management Plan (DMP), at least 10 working days prior to the commencement of activities authorised by this consent. The objective of the DMP shall be to outline the site management methods to ensure that compliance with conditions 29 to 32 is achieved throughout the earthworks and as a minimum shall address the following items:</p> <ul style="list-style-type: none"> a) Confirmation of the parties responsible for dust management throughout the works; b) Detailed monitoring methods for weather/soil conditions to ensure that any periods of elevated dust risk are appropriately anticipated and managed; c) Finalised works staging plan to ensure exposed surfaces at any one time are minimised in accordance with the requirements of this consent; d) Proposed dust control methods to ensure damp ground conditions can be maintained within the site during high dust risk periods; e) Confirmation of a suitable capacity water supply for dust suppression; f) Methods for managing dust risk outside of standard working hours e.g weekends; g) Contingency methods for controlling any identified dust effects e.g cease works/site stabilisation; and h) Protocols for responding to and addressing any dust complaints received. <p>The DMP shall be approved in writing by the Waikato Regional Council acting in a technical certification capacity prior to any works authorised by this consent commencing and the consent holder shall undertake all earthworks authorised by this consent in accordance with the approved DMP.</p>	Erosion and Sediment Control Plan	Section 6 – Dust Management
37	<p>Machinery All earthmoving machinery, pumps and generators shall be operated in a manner which ensures that spillages of fuel, oil and similar contaminants are prevented, particularly during refuelling and machinery servicing and maintenance. Refuelling and lubrication activities shall be carried out away from any surface water such that any spillage can be contained and does not enter any surface water.</p>	Hazardous Substance Management Plan	Section 9.9 Refueling
38	Prior to entering the site all machinery shall be appropriately cleaned and inspected to minimise any 'containment and/or 'eradication' plant pest species being introduced to the site.	n/a	n/a
Advice Note:	<i>For the purposes of this condition, 'containment' and 'eradication' plant pest species are those species that are listed as such in the Waikato Regional Pest Management Strategy 2014-2024, or any subsequent version of that publication that is published after the granting of this resource consent.</i>	n/a	n/a
39	<p>Stabilisation/Rehabilitation The site shall be stabilised against erosion as soon as practicable and in a progressive manner as earthworks are finished over various areas of the site. The consent holder shall monitor and maintain the site until vegetation is established to such an extent that it prevents erosion and prevents sediment from entering any watercourse.</p>	Erosion and Sediment Control Plan	Section 11.2 Stabilisation Timeframes & Specifications

Schedule 1 Conditions AUTH141620.01.01 to AUTH141620.10.01		Associated Management Plan	Specific Section of the Management Plan
40	<p>The discharge of untreated surface runoff from any area where soil has been disturbed as a result of the exercise of this resource consent shall only occur after consultation and the prior written approval of the Waikato Regional Council acting in a technical certification capacity. In this regard, the main issues that will be considered by the Waikato Regional Council include:</p> <ul style="list-style-type: none"> a) The quality of the stabilisation and/or covering vegetation; b) The quality of the water discharged from the rehabilitated land; and c) The quality of the receiving water. 	Erosion and Sediment Control Plan	Section 11.4 De-commissioning
41	<p>If so required by the Waikato Regional Council, the consent holder shall carry out immediate stabilisation of any required area of exposed earthworks surfaces on site using straw mulching, pinned geotextile or similar instant stabilisation techniques to prevent any potential adverse sediment or dust effects.</p>	Erosion and Sediment Control Plan	Section 6.6.6 Surface Application of Polymer Soil Stabilisers and Section 11.2 Stabilisation Timeframes & Specifications
42	<p>The consent holder shall ensure that the exercise of this resource consent does not disturb any sites of archaeological value or of cultural significance to Tangata Whenua. In the event of any archaeological artefacts being discovered the works shall, in the vicinity of the discovery, cease immediately and the Waikato Regional Council, Heritage New Zealand and the project Tangata Whenua Working Group (where artefacts are of Maori origin) shall be notified within 24 hours. Works may recommence on the written approval of the Waikato Regional Council after considering:</p> <ul style="list-style-type: none"> a) Tangata Whenua interests and values; b) Protocols agreed upon by Tangata Whenua and the consent holder; c) The consent holders interests; d) Any Heritage NZ authorisations; and e) Any archaeological or scientific evidence. 	Heritage and Archaeological Site Management Plan	Section 4 Protocols and Procedures
Advice Note:	<p><i>The consent holder is reminded of the need to comply with the requirements of any Archaeological Authorities issued by Heritage New Zealand over the duration of the earthworks activities in accordance with the provisions of the Heritage NZ Pouhere Taonga Act.</i></p>	n/a	n/a
43	<p>Cleanfill The consent holder shall ensure that any importation of fill from off-site sources must meet the definition of cleanfill as defined by the Waikato Regional Plan. Cleanfill deposition authorised by this consent shall comprise placement of quarry sourced aggregate or sand material or virgin soil material sourced from a location which has been confirmed as free of soil contamination risks and shall exclude:</p> <ul style="list-style-type: none"> a) material that has combustible, putrescible or degradable components b) materials likely to create leachate by means of biological or chemical breakdown c) any products or materials derived from hazardous waste treatment, hazardous waste stabilisation or hazardous waste disposal practices d) materials such as medical and veterinary waste, asbestos, or radioactive substances that may present a risk to human health; and e) soils or other materials contaminated with hazardous substances or pathogens. 	n/a	n/a
44	<p>To ensure that all material imported to site meets the cleanfill definition as outlined within condition 40, the consent holder shall undertake routine monitoring of all fill material imported to site and shall maintain records of the source, type and volume of all cleanfill material. These records shall be made available to the Waikato Regional Council upon request.</p>	n/a	n/a
45	<p>Contaminated Soil In the event that any areas of contaminated soil are discovered during the earthworks activities which require remediation, the consent holder shall provide the Waikato Regional Council with copies of the Detailed Site Investigation, Remedial Action Plan and Site Validation Report for the identified areas of contamination.</p>	Contaminated Soil Management Plan	n/a

Schedule 1 Conditions AUTH141620.01.01 to AUTH141620.10.01	Associated Management Plan	Specific Section of the Management Plan
<p>Watercourse Works Management Plan</p> <p>At least 10 working days prior to the commencement of any construction activities within the bed, banks or riparian margins of the Waikato River or Mangakotukutuku Stream, the consent holder shall provide the Waikato Regional Council with a finalised Watercourse Works Management Plan (WWMP). The objective of the WWMP shall be to both minimise any discharge of contaminants from the works into the watercourses to the greatest extent practicable and to provide the specific details of any temporary structures to be placed within the bed of the watercourses and shall include but not be limited to:</p> <ul style="list-style-type: none"> a) A detailed works methodology including timing for any planned watercourse works; b) Detailed plans of any erosion and sediment control measures to be implemented for the watercourse works including bed/bank stabilisation methods; c) Methods to manage any other potential contaminants from entering river/stream flows including but not limited to hydrocarbons and cement derived contaminants; d) Details of any temporary structures to be placed within the bed of a watercourse including the location, dimensions, construction materials and installation methods for the structure; and e) Any required ecological management methods associated with the watercourse works. <p>The WWMP shall be approved in writing by the Waikato Regional Council acting in a technical certification capacity prior to any works within the bed, banks or riparian margins of the Waikato River or Mangakotukutuku Stream commencing and the consent holder shall undertake all works authorised by these consents in accordance with the approved WWMP.</p>	Erosion and Sediment Control Plan	Site specific watercourse management plans prepared as required.
<p>Dewatering</p> <p>At least 10 working days prior to the commencement of any construction water take/dewatering activities from within any site excavation or drilling area, the consent holder shall provide the Waikato Regional Council with a Dewatering Management Plan (DWMP). The objective of this plan shall be to outline the measures that will be implemented throughout any dewatering activities to ensure that they do not result in the discharge of contaminants (including sediment) to the downstream receiving environment to the greatest extent practicable over the works period and shall include but not be limited to:</p> <ul style="list-style-type: none"> a) Proposed intake control measures to minimise the abstraction of sediment contaminated water or benthic muds; b) Proposed treatment methods if required to improve the water quality prior to discharge to avoid the discharge of contaminants (including sediment) to the receiving environment; c) Outlet erosion protection measures to prevent erosion or scour effects at the point of discharge. <p>The DWMP shall be approved in writing by the Waikato Regional Council acting in a technical certification capacity prior to any water take activities commencing and the consent holder shall undertake all dewatering activities in accordance with the approved DWMP.</p>	Erosion and Sediment Control Plan	Section 8.2 Dewatering
<p>Ecological Management/Mitigation</p> <p>The consent holder shall implement the requirements of the Hamilton City Council certified Southern Links Ecological Management and Monitoring Plan in accordance with the methods and timeframes established within the approved EMMP document.</p>	Environmental Management and Monitoring Plan	n/a
<p>The consent holder shall submit an Annual Ecological Offset Mitigation Report to the Waikato Regional Council by 1 March of each year over the duration of the construction activities authorised by this consent and for a further two years following completion of the earthworks. The purpose of this report shall be to confirm the areas/extent of ecological habitat impact and corresponding areas of ecological habitat enhancement/mitigation works that have occurred within the preceding 12 month period as part of both the Peacockes Strategic Transport project and the broader Southern Links project within Hamilton City. As a minimum the Annual Report shall include the following items:</p> <ul style="list-style-type: none"> a) Details of the location and extent of any ecological habitat removal works that have occurred as part of the Peacockes Strategic Transport Network construction project including all areas of riparian habitat, wetland habitat and terrestrial vegetation clearance. These areas shall be clearly identified on a site plan and presented on a table confirming the area and type of habitat removal that has occurred; b) Details of the location and extent of any ecological habitat enhancement/mitigation works that have occurred as part of the Southern Links Ecological Management and Monitoring Plan (EMMP) implementation including all areas of riparian habitat, wetland habitat and terrestrial habitat enhancement. These areas shall be clearly identified on a site plan and presented on a table confirming area and type of habitat enhancement that has occurred; c) Details of the location and extent of any other areas of ecological habitat removal works that have occurred as part of the broader Southern Links project within Hamilton City within the preceding year; d) Details of the areas of ecological enhancement programmed for the proceeding year ahead; and e) A table maintaining a rolling total of the ecological enhancement works undertaken against the total mitigation area requirements/ratios as set out in the certified EMMP document. <p>The requirement for or frequency of this Annual Reporting requirement may be reduced only with the written approval of the Waikato Regional Council.</p>	Environmental Management and Monitoring Plan	n/a

Schedule 1 Conditions AUTH141620.01.01 to AUTH141620.10.01		Associated Management Plan	Specific Section of the Management Plan
50	<p>ReviewThe Waikato Regional Council may at any time within the first 6 months of this consent being exercised, and every 2 years thereafter for the duration of these consents, serve notice on the consent holder under section 128(1) of the Resource Management Amendment Act (1991), of its intention to review the conditions of this resource consent for the following purposes:</p> <ul style="list-style-type: none"> a) Require the consent holder to adopt the best practical option to remove or reduce any adverse effect on the environment, or b) To deal with any other adverse effect on the environment that the exercise of this consent may have an influence, or c) To review monitoring requirements to determine any actual or potential adverse effect on the environment. 	n/a	n/a
<i>Advice Note:</i>	<i>Costs associated with any review of the conditions of this resource consent will be recovered from the consent holder in accordance with the provisions of section 36 of the Resource Management Act 1991.</i>	n/a	n/a
Advice Notes			
1	In accordance with section 125 RMA, this consent shall lapse five (5) years after the date on which it was granted unless it has been given effect to before the end of that period.		
2	This resource consent does not give any right of access over private or public property. Arrangements for access must be made between the consent holder and the property owner.		
3	This resource consent is transferable to another owner or occupier of the land concerned, upon application, on the same conditions and for the same use as originally granted (s.134-137 RMA). The transfer of water, including changes of location, may occur as provided for in Chapter 3.4 of the Waikato Regional Plan, subject to the requirements of those rules.		
4	The consent holder may apply to change the conditions of the resource consent under s.127 RMA.		
5	The reasonable costs incurred by Waikato Regional Council arising from supervision and monitoring of this/these consents will be charged to the consent holder. This may include but not be limited to routine inspection of the site by Waikato Regional Council officers or agents, liaison with the consent holder, responding to complaints or enquiries relating to the site, and review and assessment of compliance with the conditions of consents.		
6	Note that pursuant to s332 of the RMA 1991, enforcement officers may at all reasonable times go onto the property that is the subject of this consent, for the purpose of carrying out inspections, surveys, investigations, tests, measurements or taking samples.		
7	If you intend to replace this consent upon its expiry, please note that an application for a new consent made at least 6 months prior to this consent's expiry gives you the right to continue exercising this consent after it expires in the event that your application is not processed prior to this consent's expiry.		

Appendix B Project Designation ConditionTable

Appendix B – Designation Conditions Table

1.0	General Conditions	Associated Management Plan	Specific Section of the Management Plan
1.1	<p>Except as modified by the Conditions below and subject to final design, the Project works shall be undertaken generally in accordance with the information provided by the Requiring Authority in its Notice of Requirement (NoR), its evidence and supporting documentation, including:</p> <ul style="list-style-type: none"> a) Southern Links: Notice of Requirement by the NZ Transport Agency and Hamilton City Council dated 09 August 2013; b) Southern Links: Assessment of Environmental Effects and Supporting Information (including technical appendices), prepared for the NZ Transport Agency and Hamilton City Council by AECOM New Zealand Limited and others, dated 05 August 2013; c) Southern Links – Scheme Assessment Report Drawings 1000-8000 series, prepared for the NZ Transport Agency and Hamilton City Council by AECOM New Zealand Limited and Opus; d) The Requiring Authorities' response dated 18 December 2013 to the Territorial Authorities' s92 request for further information; e) Hamilton Southern Links Concept Drainage Design, prepared for the NZ Transport Agency and Hamilton City Council by AECOM New Zealand Ltd, dated 22 June 2012 and any subsequent changes; f) Southern Links Preliminary Design Philosophy Statement, prepared for the NZ Transport Agency and Hamilton City Council by AECOM New Zealand Ltd, dated 19 June 2014; g) Southern Links Peacockes North/South Layout Plan and Long Section, prepared by AECOM New Zealand Ltd and Opus, drawing number 60164546-C-20-3102 Revision C, updated 02/07/14; and h) Southern Links Cobham Drive Layout Plan and Long Section, prepared by AECOM New Zealand Ltd and Opus, drawing number 60164546-C-20-4101 Revision C, updated 02/07/14. 	n/a	n/a
1.2	Where there is any inconsistency between the NoR documentation and the designation conditions, the designation conditions shall prevail.	n/a	n/a
1.3	Pursuant to Section 184A(2)(c) of the RMA, the designation shall not lapse for a period of twenty (20) years after it is included in the Operative and Proposed Hamilton City District Plans.	n/a	n/a
1.4	Any reference in these Conditions to legislation or a Standard includes any later legislation or standard that amends or replaces it.	n/a	n/a

Appendix B – Designation Conditions Table

2.0	Management Plans General	Associated Management Plan	Specific Section of the Management Plan
2.1	All works shall be carried out in accordance with the applicable Management Plan(s) and other plans required by these Conditions.	n/a	n/a
2.2	<p>The following Management Plans must be submitted to the Territorial Authority Chief Executive or nominee for certification that they are consistent with the conditions of the designation:</p> <ul style="list-style-type: none"> a) Pre-Construction Communication and Consultation Plan; b) Construction Management Plan, c) Construction Noise and Vibration Management Plan; d) Construction Traffic Management Plan; e) Construction Communication and Consultation Plan; f) Concept Landscape Management Plan; g) Landscape Management Plan; h) Heritage and Archaeological Site Management Plan; i) Dust Management Plan; j) Contaminated Soil Management Plan; k) Hazardous Substances Management Plan; l) Transport Network Management Plan; m) Environmental Monitoring and Management Plan; and n) Conservation Plan. 	n/a	n/a
2.3	Within twenty (20) working days of receipt of any Management Plan for certification as required under Condition 2.2, the Territorial Authority shall notify the Requiring Authority as to whether the Management Plan is certified or whether inconsistencies with the relevant designation condition(s) have been identified and what matters are required to be addressed.	n/a	n/a
2.4	Construction Works shall not commence until the Requiring Authority has received the Territorial Authority Chief Executive or nominee's written certification for the relevant Management Plans.	n/a	n/a
2.5	Unless inconsistencies are identified that require addressing, any changes proposed to a certified Management Plan shall be confirmed in writing by the Requiring Authority and certified in writing by the Territorial Authority's Chief Executive or nominee within ten (10) working days of receipt of written confirmation, prior to implementation of those changes. Any changes to Management Plans shall remain consistent with the overall intent of the relevant Management Plan.	n/a	n/a
2.6	<p>In the event of any dispute, disagreement or inaction arising in respect of the certification of Management Plans or certification of changes to Management Plans, that matter shall be referred in the first instance to the Territorial Authority Chief Executive to determine a process for resolution.</p> <ul style="list-style-type: none"> a) If a resolution cannot be agreed, then the matter may be referred to an independent appropriately qualified person, agreeable to both parties, setting out the details of the matter to be referred for determination and the reasons the parties do not agree. b) The independent appropriately qualified person shall be appointed within ten (10) working days of the Requiring Authority or Territorial Authority giving notice of their intention to seek determination. The appointed person shall, as soon as possible, issue his or her decision on the matter. In making the decision, he or she shall be entitled to seek further information and hear from the parties as seen fit. 	n/a	n/a
2.7	At all times during construction, the Requiring Authority shall ensure that a copy of the latest certified version of the Management Plans identified in Condition 2.2 is kept on site and all key personnel are made aware of each Plan's contents.	Construction Management Plan	Section 1.1 Purpose
2.8	A copy of the latest certified version of each Management Plan identified in Condition 2.2 shall be available on the HCC's website at all times until effective completion of the Project.	n/a	n/a

Appendix B – Designation Conditions Table

2.0	Management Plans General	Associated Management Plan	Specific Section of the Management Plan
2.9	The Property Acquisition and Management Engagement Practice shall be provided to the Territorial Authority Chief Executive or nominee for information only.	n/a	n/a
2.10	The Management Plans are not required to include all details for every stage of work at the time the plan is submitted for certification to the Territorial Authority Chief Executive or nominee. If further details are to be provided for later stages of work, the Management Plan shall specify which stages require further certification at a later date. Management Plans for later stages of work shall be submitted to the Territorial Authority Chief Executive or nominee for certification prior to construction commencing in the relevant stage, and conditions 2.3 and 2.4 apply accordingly.	n/a	n/a
2.11	Where conditions require consultation with third parties in the development of Management Plans, these plans shall demonstrate how the views of that party (or parties) have been incorporated, and, where they have not, the reasons why.	n/a	n/a

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3.0	Communication, Consultation and Property Liaison	Associated Management Plan	Specific Section of the Management Plan
3.1	Within three (3) months of inclusion of the designation in the district plan, the Requiring Authority shall appoint a Communication, Consultation and Property Liaison Manager to implement the Pre-construction Communication and Consultation Plan (PCCP) (Condition 3.4 to 3.8) and Construction Communication and Consultation Plan (Condition 8.2 to 8.7). The Communication, Consultation and Property Liaison Manager (subject to Condition 8.1) shall be the main and readily accessible point of contact for the community, stakeholders, directly affected parties, and affected in proximity parties for the duration of the Project.	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
3.2	The Communication, Consultation and Property Liaison Manager's contact details shall be listed in the PCCP and on the HCC website.	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
3.3	The Communication, Consultation and Property Liaison Manager shall maintain a record of all contact received and any actions arising. These records shall be considered in the same manner as if they were a minute produced from a Community Liaison Group meeting.	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
Pre-Construction Communication and Consultation Plan			
3.4	The PCCP shall be submitted to the Territorial Authority Chief Executive or nominee, within six (6) months of the Designation being confirmed, for certification. The PCCP shall be prepared by a suitable qualified and experienced person.	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
3.5	Implementation of the PCCP shall commence within nine (9) months from the inclusion of the designation in the district plan, until the commencement of the Construction Works.	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
3.6	<p>The objective of the PCCP is to set out a framework to:</p> <ul style="list-style-type: none"> a) Inform the community of Project progress and likely commencement of construction works and any proposed staging of works; b) Provide general updates on property acquisition and management, while respecting the privacy and confidentiality of individual landowner negotiations; and c) Determine how to engage with affected parties for identifying and implementing potential site specific mitigation measures. 	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
3.7	<p>The PCCP shall set out how the Requiring Authority will:</p> <ul style="list-style-type: none"> a) Inform the community of Project progress and likely commencement of Construction Works and programme; b) Engage with the community with an aim to fostering good relationships, and provide opportunities for learning about the Project; and c) Provide general updates on the property acquisition process. 	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
3.8	<p>In addition to the matters set out in Condition 3.7 the PCCP shall also include:</p> <ul style="list-style-type: none"> a) A communications framework that details the Requiring Authority's communication strategies, the accountabilities and timeframes for responding to inquiries and complaints, frequency of communications and consultation, the range of communication and consultation methods to be used (particularly with regards to communicating and consulting with tangata whenua (refer to Conditions 3.15 to 3.17) the Community Liaison Group (refer to Conditions 3.9 to 3.14), and the Landscape Management Plan (refer to Condition 14), and any other relevant communication matters; b) Details of the Communication, Consultation and Property Liaison Manager for the pre-construction period (Conditions 3.1 and 3.2) including their contact details (phone, email and postal address); c) Identification of directly affected or affected in proximity parties and stakeholders who will be consulted and communicated with; and d) Measures to receive, record and respond (if necessary) to feedback. 	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
Community Liaison Group			
3.9	Within twelve (12) months of inclusion of the designation in the district plan, the Requiring Authority shall, after consultation with the Territorial Authority, establish a Community Liaison Group for the Peacocke Structure Plan area.	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
3.10	The membership of the Community Liaison Group shall include representative(s) of the Requiring Authority and be open to all Directly Affected and/or Affected in Proximity parties in the Peacocke Structure Plan Area.		

Appendix B – Designation Conditions Table

3.0	Communication, Consultation and Property Liaison	Associated Management Plan	Specific Section of the Management Plan
3.11	<p>The purpose of the Group shall be to:</p> <ul style="list-style-type: none"> a) Provide a means for receiving regular updates on Project progress including updates on the programme and staging; b) Enable opportunities for individual and/or community concerns and issues to be reported to and responded to by the Requiring Authority, including access requirements that need to be addressed as part of the Construction Traffic Management Plan (Condition 12.5(a)); c) Enable the Requiring Authority to be informed of any existing or proposed ecological enhancement or restoration on private property to inform the development of any Concept Landscape Management Plan, Landscape Management Plan and/or Environmental Management and Monitoring Plan; and d) Provide an opportunity for the Requiring Authority to receive requests from individual landowners to establish planting, including on private property, in advance of construction which may enable the early establishment of screening and landscaping to assist in addressing adverse effects on amenity. 	Pre-Construction Communication and Consultation Plan	NB: Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
3.12	The Requiring Authority shall invite the Group to meet at least annually until the commencement of construction and then at least once every three (3) months once Construction Works have commenced until six (6) months after completion of the Construction Works, or as otherwise agreed. Should a majority of Group members decline or not respond to an invitation to meet, the Requiring Authority is not required to hold that meeting.	Pre-Construction Communication and Consultation Plan	NB: Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
3.13	Once the Construction Works have commenced the Requiring Authority will provide an update to the Group on Project progression at least every three (3) months (or as otherwise agreed).	Pre-Construction Communication and Consultation Plan	NB: Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
3.14	The Requiring Authority shall provide a venue for meetings of the Community Liaison Group, invite all Group members to the meeting, and take and disseminate meeting minutes.	Pre-Construction Communication and Consultation Plan	NB: Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
Consultation with Waikato - Tainui			
3.15	<p>When required to consult with Tangata Whenua by the Conditions of this designation the Requiring Authority shall, through its Chief Executive or nominee, contact the Waikato Tainui Environment Manager, or successor, to convene a Tangata Whenua Working Group ("TWWG"). Waikato Tainui shall be invited to appoint a nominated representative to administer the liaison/coordination of this group/representatives to ensure:</p> <ul style="list-style-type: none"> a) Each hapu is represented by the recognised/appointed person or persons; b) Administration of liaison/coordination occurs in a timely manner; and c) Any actions/direction or information from the TWWG representatives has a common voice for Iwi on all liaison/coordination matters. 	Pre-Construction Communication and Consultation Plan	NB: Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
3.16	<p>The TWWG shall comprise at least one representative from each of the following:</p> <ul style="list-style-type: none"> a) Ngati Hauaa; b) Ngati Koroki Kahukura; c) Ngati Wairere; d) Ngati Maahanga; and e) The Requiring Authority. 	Pre-Construction Communication and Consultation Plan	NB: Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
3.17	The Requiring Authority shall invite the TWWG to meet at least annually until the commencement of Construction Works to provide a means for receiving regular updates on project progress, including updates on programme and staging and to discuss the consideration of mitigation measure set out in the TWEAR dated January 2014.	Pre-Construction Communication and Consultation Plan	NB: Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
Consultation with network utility operators			
3.18	<p>During the design phase of the Project, the Requiring Authority shall give reasonable notice and make all reasonable endeavours to:</p> <ul style="list-style-type: none"> a) Liaise with all relevant network utility operators in relation to any part of the works within the designation where their infrastructure may be affected; and b) Make reasonable and relevant changes requested by such network utility operators, to the relevant design plans and methodologies, to ensure that access to, maintenance and the operation of all network utility infrastructure within the designated area is not adversely affected. 	n/a	n/a

Appendix B – Designation Conditions Table

3.0	Communication, Consultation and Property Liaison	Associated Management Plan	Specific Section of the Management Plan
	Property acquisition and management engagement practice		
3.19	<p>With six (6) months of the inclusion of the designation in the district plan, the Requiring Authority shall provide to the Territorial Authority Chief Executive or nominee and directly affected landowners access to a document outlining the Requiring Authority's property acquisition and management engagement practice (PAMEP). The objective of the PAMEP is to provide clarity for directly affected landowners on how they can engage with the Requiring Authority on matters regarding property acquisition and management. The PAMEP shall, as a minimum:</p> <ol style="list-style-type: none"> a) Include contact details (phone, email and postal address) for the Communication, Consultation and Property Liaison Manager (Condition 3.2). b) Identify timeframes within which the Requiring Authority will respond to enquiries. c) Describe the process which the Requiring Authority will follow for responding to specific: <ol style="list-style-type: none"> i. Requests from landowners to purchase properties, including under s185 RMA, and for compassionate or hardship grounds; ii. Requests from landowners to use land that is within the designation footprint but is not yet acquired by the Requiring Authority; and iii. Complaints regarding the maintenance of properties acquired by the Requiring Authority. 	n/a	n/a
3.20	The Requiring Authority shall acquire the land identified as Lot 5 DPS 10393 at least six (6) months before construction works commence on that part of the Project within the required land identified in drawing number 60164546-C-20-6503 (refer to Southern Links - Scheme Assessment Report Drawings 6000 series, prepared for the NZ Transport Agency and Hamilton City Council by AECOM New Zealand Limited and Opus).	n/a	n/a
3.21	The amount of land the Requiring Authority is to acquire under condition 3.20 may be amended by mutual agreement between the Requiring Authority and the owner of the land	n/a	n/a
3.22	The Requiring Authority shall acquire the land identified in Annexure 2 at least six (6) months before construction works commence on that part of the Project within the required land identified in drawing number 60164546-C-20-3506, 60164546-C-20- 3507 and 60164546-C-20-3508 (refer to Southern Links - Scheme Assessment Report Drawings 3000 series, prepared for the NZ Transport Agency and Hamilton City Council by AECOM New Zealand Limited and Opus).	n/a	n/a
3.23	The amount of land the Requiring Authority is to acquire under condition 3.22 may be amended by mutual agreement between the Requiring Authority and the owner of the land.	n/a	n/a
3.24	<p>Indicative Collector Road (Neighbourhood Area 4 – Figure 2.3, Appendix 2, Proposed Hamilton District Plan).</p> <p>Unless the need for the collector road between the land legally described as Pt Lot 1 and Pt Lot 2 DP 35271, and Lot 1 DPS 12991, has been determined as unnecessary by either a plan change or resource consent (master plan) the requiring authority shall ensure that the design of the arterial determines the location (crossing point) and grade separated formation (underpass or elevated) of the collector road, having regard to, but not being limited to:</p> <ul style="list-style-type: none"> • Urban design; • Cost and feasibility (both in respect of the arterial road and collector road); • Property access; • Amenity; • Network effects; • Developability of the adjoining land areas legally described as Pt Lot 1 and Pt Lot 2 DP 35271, and Lot 1 DPS 12991; • Other relevant criteria related to the master planning process described in the Peacockes Structure Plan provisions of the Hamilton City Proposed District Plan (or subsequent revisions). <p>No outline plan shall be submitted without inclusion of a record of consultation with the owners of land legally described as Pt Lot 1 and Pt Lot 2 DP 35271, and Lot 1 DPS 12991 regarding the options considered as part of the assessment set out above.</p>	n/a	n/a
Advice Note:	<p>As at the time of confirmation of this condition the land legally described as:</p> <ul style="list-style-type: none"> • Pt Lot 1 and Pt Lot 2 DP 35271 was owned by Alan Tsai, Joyce Li, Shih An Tseng and Hsueh Chu Chao; and • Lot 1 DPS 12991 was owned by Adare Company Limited. 	n/a	n/a

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4.0	Te Awa Cycleway	Associated Management Plan	Specific Section of the Management Plan
4.1	The Requiring Authority shall ensure that the design of the final network in the vicinity of the Waikato River recognises and provides for the ongoing operation of the Te Awa pedestrian/cycleway.	n/a	n/a
5.0	Protected Trees	Associated Management Plan	Specific Section of the Management Plan
5.1	The Requiring Authority shall undertake best endeavours at the time of detailed design to retain the existence and health of the protected trees listed as T36.1 (English Oak), T36.3 (Pin Oak) and T36.4 (Pine) in the Hamilton City Proposed District Plan (Decisions Version - 2014).	n/a	n/a
6.0	Concept Landscape Management Plan	Associated Management Plan	Specific Section of the Management Plan
6.1	Prior to lodgement of any outline plans of works, the Requiring Authority shall submit a Concept Landscape Management Plan (CLMP) to the Territorial Authority Chief Executive or nominee for certification. The CLMP shall be prepared by a suitably qualified and experienced person and shall be developed after consultation with NZ Transport Agency and the Southern Links Tangata Whenua Working Group (TWWG).	Concept Landscape Management Plan	n/a
6.2	The objective of the CLMP is to provide the overview of the landscape and urban approach, which will subsequently be developed into the detailed LMP as the Project design progresses. The CLMP shall include: <ul style="list-style-type: none"> a) A vision statement; b) An outline of the landscape and urban design themes to be adopted for the entire length of the Project, including for overbridges, underbridges and noise barriers. c) An outline of the landscape design elements, including hard and soft landscape materials, planting types, sizes and spaces. d) Concept landscape plans showing the design scheme; and e) Planting management and maintenance requirements. 	Concept Landscape Management Plan	n/a
6.3	The CLMP shall be in general accordance with the indicative landscape mitigation measures and urban design proposals outlined in the report titled Southern Links Network Urban Design and Landscape Framework, prepared by Opus, dated 05 August 2013.	Concept Landscape Management Plan	n/a
6.4	The CLMP shall have regard to the natural character policies of the Waikato Regional Policy Statement.	Concept Landscape Management Plan	n/a
7.0	Archaeological Investigation	Associated Management Plan	Specific Section of the Management Plan
7.1	Prior to the commencement of detailed design, sufficient site-specific archaeological investigation, as set out in the recommendations in the Southern Links Designation Corridor Notice of Requirement Archaeological Assessment, prepared by Opus, dated 02 December 2013 in relation to the Requiring Authority's Designation, must be undertaken to determine the full extent of each archaeological site affected in part or whole by the designation footprint and to locate any intact archaeological features or deposits in order to take into account avoidance of archaeological remains during the development of detailed design plans. (Note: This may require permission from landowners adjacent to the designation and an authority from Heritage New Zealand for any in-ground investigation work).	n/a	n/a

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8.0	Construction Communication and Consultation	Associated Management Plan	Specific Section of the Management Plan
	Contact Person		
8.1	The Requiring Authority shall make a contact person available 24 hours, seven days a week for the duration of construction for public enquiries about the Construction Works.	Construction Communication and Consultation Plan	Section 7.1.
	Construction Communication and Consultation Plan		
8.2	The Requiring Authority shall submit to the Territorial Authority Chief Executive or nominee a Construction Communication and Consultation Plan (CCCP) prepared by a suitably qualified and experienced person, which shall be implemented and complied with for the duration of the construction of the Project.	Construction Communication and Consultation Plan	Section 7.1
8.3	The CCCP shall be submitted to the Territorial Authority Chief Executive or nominee, no later than forty (40) working days prior to the commencement of any stage of Construction Works for certification.	n/a	n/a
8.4	The objective of the Construction Communication and Consultation Plan is to set out a framework to ensure appropriate communication and consultation is undertaken with the relevant community, stakeholders, directly affected parties, and affected parties in proximity during the construction of the Project.	Construction Communication and Consultation Plan	Section 5
8.5	The CCCP shall set out how the Requiring Authority will: a) Inform the community of construction progress and future construction activities and constraints that could affect them; b) Receive and respond to feedback on construction related matters; and c) Provide information on key project milestones.	Construction Communication and Consultation Plan	Sections 5 and 6
8.6	The CCCP shall, as a minimum, include: a) A communications framework that details the Requiring Authority's communication strategies, the accountabilities and timeframes for responding to inquiries and complaints, frequency of communications and consultation, the range of communication and consultation methods to be used (including any modern and relevant communication methods, newsletters or similar, advertising), and any other relevant communication matters; b) The Communication, Consultation and Property Liaison Manager for the Project (required by Condition 3.2) including their contact details (phone, email and postal address); c) How the community, stakeholders, directly affected, and affected in proximity parties will be notified of the commencement of construction activities and works, the expected duration of the activities and works, and who to contact for any queries, concerns and complaints; d) Methods for communicating in advance any temporary traffic management measures, and permanent changes to road networks and layouts to the community, stakeholders, directly affected, and affected in proximity parties; e) Methods for communicating in advance proposed hours of construction activities outside of normal working hours and on weekends and public holidays, to surrounding communities, and methods to record and deal with any concerns raised about such hours; and f) Methods for communicating and consulting in advance of construction works with emergency services (Police, Fire, Ambulance) on the location, timing and duration of Construction Works.	Construction Communication and Consultation Plan	n/a
8.7	The CCCP shall have regard to, and where appropriate implement, any relevant actions identified in the minutes arising from the Community Liaison Group meetings (Conditions 3.3 and 3.14).	Construction Communication and Consultation Plan	Section 5.5
Advice Note:	<i>Because parts of the Project may be constructed ahead of other parts the Pre-Construction and Communication and Consultation Plan (required by Conditions 3.4 to 3.8) will continue to be implemented in conjunction with the Communication and Consultation Plan required under this Condition.</i>	n/a	n/a

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9.0	Construction Management Plan	Associated Management Plan	Specific Section of the Management Plan
9.1.	No later than forty (40) working days prior to the commencement of any stage of Construction Works, the Requiring Authority shall submit for certification a Construction Management Plan (CMP) to the Territorial Authority Chief Executive or nominee. The CMP shall be prepared by a suitably qualified and experienced person. The objective of the CMP is to avoid, remedy or mitigate any adverse effects of construction, through methods identified in the CMP. For the avoidance of doubt, the Requiring Authority may prepare a CMP in relation to each individual stage of its programme of works, provided that in each case it shall submit a CMP for certification in accordance with this Condition prior to any Construction Works commencing on a particular stage.	Construction Management Plan	n/a
9.2	The CMP shall have regard to and where appropriate implement any relevant actions identified in the minutes arising from Community Liaison Group meetings (Conditions 3.3 and 3.14).	Construction Communication and Consultation Plan	Section 5.5
9.3	<p>The CMP(s) shall include specific details relating to the construction and management of all works associated with the Project, including the following:</p> <ul style="list-style-type: none"> a) Details of the site or Project manager, including their contact details (phone, facsimile (if any), postal address, email address); b) Details of the contact person required by Condition 8.1 including name, phone number, email and postal address; c) The location of large notice boards that clearly identify the name, phone number and address for service of the site or Project manager and the contact person required by Conditions 3.1 and 8.1; d) Training requirements for employees, sub-contractors and visitors on construction procedures, environmental management and monitoring; e) An outline construction programme of the works indicating, in particular, construction hours, likely time periods for partial or complete road closures, and anticipated traffic diversion effects; f) Environmental incident and emergency management procedures; g) Measures to be adopted to maintain the land affected by the works in a tidy condition in terms of disposal/storage of rubbish, storage and unloading of building materials and similar construction activities; h) Location of workers' offices, conveniences (e.g. portaloos) and vehicle parking; i) Procedures for controlling sediment runoff, dust and the removal of soil, debris and demolition and construction materials from public roads or places, including wheel wash for construction vehicles. Dust mitigation measures should include use of water sprays to control dust nuisance on dry or windy days; j) Methods for earthworks management for earthworks adjacent to buildings and structures, including temporary and permanent stabilisation measures and monitoring of ground movement; k) Procedures for ensuring that residents in the immediate vicinity of construction areas are given prior notice of the commencement of Construction Works and are informed about the expected duration of the works; l) Procedures to be followed to ensure that iwi representatives are notified of the proposed commencement of Construction Works and of the discovery of any koiwi or other artefacts; m) Procedures to be followed in the event that any historic artefacts are disturbed, being in accordance with any Authority obtained under the Heritage New Zealand Pouhere Taonga Act 2014; n) Means of ensuring the safety of the general public; and o) Procedures for receiving and responding to complaints. 	Construction Management Plan and sub-management plans	Entire Plan

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10.0	Complaints Management	Associated Management Plan	Specific Section of the Management Plan
10.1	<p>Upon receiving a complaint during construction, the Requiring Authority shall instigate a process to address concerns or complaints received about adverse effects. This shall:</p> <ul style="list-style-type: none"> a) Identify the nature of the complaint, and the location, date and time of the alleged incident / event(s); b) Acknowledge receipt of the complaint within 24 hours of receipt; and c) Respond to the complaint in accordance with any relevant Management Plan, which may include monitoring of the activity by a suitably qualified and experienced person and implementation of mitigation measures. 	Construction Communication and Consultation Plan	Section 6.4
10.2	<p>A record of all complaints received shall be kept by the Requiring Authority. This record shall include:</p> <ul style="list-style-type: none"> a) The name and address of the person(s) who raised the complaint (unless they elect not to provide this) and details of the complaint; b) Where practicable, weather conditions at the time of the concern or complaint, including wind direction and cloud cover if the complaint relates to noise or air quality; c) Known construction activities at the time and in the vicinity of the concern or complaint; d) Any other activities in the area unrelated to the Project construction that may have contributed to the complaint such as non-Project construction, fires, traffic accidents or unusually dusty conditions generally; and e) Remedial actions undertaken (if any) and the outcome of these, including monitoring of the activity. 	Construction Communication and Consultation Plan	Section 6.4
10.3	<p>This record shall be maintained on site, be available for inspection upon request, and shall be provided every three (3) months (or as otherwise agreed) to the Territorial Authority Chief Executive or nominee.</p>	Construction Communication and Consultation Plan	Section 6.4
10.4	<p>Where a complaint remains unresolved or a dispute arises, that matter shall be referred in the first instance to the Territorial Authority Chief Executive to determine a process for resolution.</p> <ul style="list-style-type: none"> a) If a resolution cannot be agreed, then the matter may be referred to an independent appropriately qualified person, agreeable to both parties, setting out the details of the matter to be referred for determination and the reasons the parties do not agree. b) The independent appropriately qualified person shall be appointed within ten (10) working days of the Requiring Authority or Territorial Authority giving notice of their intention to seek expert determination. That person shall, as soon as possible (and in any event no later than ten (10) working days of receiving the record of the complaint), issue his or her decision on the matter. In making the decision, he or she shall be entitled to seek further information and hear from the parties as seen fit. 	Construction Communication and Consultation Plan	Section 6.4

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11.0	Construction Noise and Vibration	Associated Management Plan	Specific Section of the Management Plan
	Construction Noise and Vibration Management Plan		
11.1	No later than forty (40) working days prior to the commencement of any stage of Construction Works, the Requiring Authority shall submit a Construction Noise and Vibration Management Plan (CNVMP) to the Territorial Authority's Chief Executive Officer or nominee for certification. The CNVMP shall be prepared by a suitably qualified and experienced expert. The objective of the CNVMP is to provide a framework for the development and implementation of identified Best Practicable Options to avoid, remedy or mitigate the adverse effects of noise and vibration during construction and to minimise the frequency, duration and degree of exceedance of the noise and vibration standards set out in Conditions 11.3 and 11.4.	Construction Noise and Vibration Management Plan	n/a
11.2	The CNVMP shall be prepared in accordance with the State Highway Construction and Maintenance Noise and Vibration Guide (NZTA, 2013), and include the procedures, methods and measures for the control of noise and vibration associated with all relevant Project Construction Works.	Construction Noise and Vibration Management Plan	n/a
11.3	Construction noise must be measured and assessed in accordance with NZS 6803:1999 'Acoustics Construction Noise' (NZS 6803:1999). The construction noise limits for the purposes of the CNVMP that are to be complied with, as far as practicable, are as given in Table A below:	Construction Noise and Vibration Management Plan	Section 11.2
11.4	The CNVMP must describe the measures adopted to seek to meet the Category A vibration criteria set out in Table B below, where practicable. If measured or predicted vibration levels exceed the Category A criteria, then a suitably qualified and experienced person shall be engaged to assess and manage construction vibration to comply with the Category A criteria. If the Category A criteria cannot be practicably achieved, the Category B criteria in Table B below shall be applied. If measured or predicted construction vibration levels exceed the Category B criteria, then construction activity shall only proceed if vibration effects on those buildings at risk of exceeding the Category B criteria are assessed, monitored and mitigated by suitably qualified persons. The criteria are to be applied to either predicted ground vibrations, or measured in accordance with ISO 4866: 2010 and AS 2187-2: 2006.	Construction Noise and Vibration Management Plan	Section 4.2 Vibration
11.5	In addition to those matters detailed in the State Highway Construction and Maintenance Noise and Vibration Guide, the CNVMP shall address the following aspects with regard to managing the adverse effects of construction noise and vibration: <ul style="list-style-type: none"> a) Identification of affected dwellings and other sensitive locations where vibration criteria apply, which shall include all houses located within 50 metres of general road construction activities, and 100 metres of piling, where those activities are undertaken on peat; b) Predicted noise levels set out as minimum compliance distances for key activities and items of plant and identification of any dwellings or other sensitive locations where works will be required within those minimum compliance distances; c) Mitigation options, including alternative strategies where full compliance with the noise criteria in Table A above and/or the vibration criteria in Table B above cannot practicably be achieved; d) Requirements for building condition surveys of critical dwellings, prior to and after completion of construction works and during the works if required (including all buildings measured or predicted to exceed the Category B vibration criteria contained in Table B above) and processes for repair of any damage caused by the works. 	Construction Noise and Vibration Management Plan	Sections 6.0 and 8.0
11.6	Where noise or vibration predictions made in accordance with the CNVMP show that levels from a particular activity or at a specific location might exceed the limits set out in Condition 11.3 and/or 11.4, or where measurements show that compliance is not being achieved, the Requiring Authority shall prepare Schedules to the CNVMP. These Schedules shall: <ul style="list-style-type: none"> a) be prepared in accordance with the State Highway Construction Noise and Vibration Guide and include the relevant details specified in the Guide, including activity specific and/or location specific noise and vibration predictions and mitigation; b) include noise limits for the activity and an overview of mitigation options that have been considered, identifying which of those options are practicable; and c) be provided to the Territorial Authority Chief Executive or nominee at least five (5) working days in advance of the relevant works being carried out and implemented, for certification. 	Construction Noise and Vibration Management Plan	Section 10.0
11.7	In the event that either: <ul style="list-style-type: none"> a) the Territorial Authority certifies the Schedule, or b) fails to advise the Requiring Authority of any concerns it has with the Schedule, within the five (5) working days period following receipt, then the activities covered by the Schedule may be carried out. 	Construction Noise and Vibration Management Plan	Section 10.0
11.8	If the Territorial Authority advises the Requiring Authority of a concern it has with the Schedule, then no activity related to that concern shall be carried out until the matter has been addressed by the Requiring Authority to the satisfaction of the Territorial Authority.	Construction Noise and Vibration Management Plan	Section 10.0

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12.0	Construction Traffic Management Plan	Associated Management Plan	Specific Section of the Management Plan
12.1	A Construction Traffic Management Plan (CTMP), shall be prepared by a suitably qualified and experienced person in accordance with the NZTA Code of Practice for Temporary Traffic Management and after consultation with the Territorial Authority Chief Executive or nominee. The CTMP shall be submitted to the Territorial Authority Chief Executive or nominee, for certification that the plan satisfies this condition no later than forty (40) working days prior to the commencement of any stage during Construction Works. Construction of any relevant stage of the Project shall not commence until the Requiring Authority has received the Chief Executive's or nominee's written certification of the CTMP for that stage of works.	Construction Traffic Management Plan	n/a
12.2	The objective of the CTMP is to provide a framework to be adopted by the Requiring Authority to ensure that the adverse traffic and access related effects of the construction of the Project will be avoided, remedied or mitigated.	Construction Traffic Management Plan	Section 1.1
12.3	When requesting certification of a CTMP, the Requiring Authority shall provide the certifying Territorial Authority with a letter from each other Territorial Authority whose roads are affected by the Project's construction traffic confirming that the Requiring Authority has adequately consulted with that Territorial Authority in relation to Condition 12.5(i) and any effects on that Territorial Authority's road network and included adequate measures to manage such effects.	Construction Traffic Management Plan	Section 6.5 and 6.7.1
12.4	The CTMP shall have regard to and where appropriate implement any relevant actions identified in the minutes arising from Community Liaison Group meetings (Conditions 3.3 and 3.14).	Construction Traffic Management Plan	Section 6.1 and 6.2 and 6.3
12.5	<p>The CTMP shall describe the measures that will be undertaken to avoid, remedy or mitigate the local and network wide construction traffic effects of construction of the Project. In particular (but not limited to), the CTMP shall describe:</p> <ul style="list-style-type: none"> a) Measures to maintain vehicle access to roads and property to defined and approved levels of service. The CTMP shall identify notification thresholds and processes for communicating with affected parties and shall consider whether there are specific user needs that require specific responses. b) Measures to maintain access for emergency vehicles, and methods to ensure that emergency service providers are regularly informed of the timing and sequencing of works, road closures and alternative routes. c) The manner in which service providers are regularly informed of the timing and sequencing of works, road closures and alternative routes. d) The timing and sequencing of any road closures that will be required and the nature and duration of any traffic management measures that will result, including any temporary restrictions, detours or diversions; e) Measures to ensure safe interaction between Project-related construction traffic and local road traffic where any temporary or existing local roads cross the Southern Links corridor. f) Measures to ensure safe access to the Project site. g) Measures to monitor the performance against agreed levels of service of all access points to the Project site, and all key state highway and arterial local road intersections used by Project-related construction traffic, and the procedures to be followed where intervention is deemed necessary in order to maintain acceptable and reasonable operating conditions on local roads and on the State Highway network. h) Measures to ensure that any staging of Construction Works will adequately avoid, remedy or mitigate traffic-related adverse effects. i) Measures to be adopted to identify routes to be used (and roads to be specifically avoided) for Project-related Heavy Commercial Vehicles (HCVs) for shifting bulk materials (such as earth fill or pavement materials or water) (Bulk HCVs) and implement temporary traffic management controls in accordance with the Code of Practice for Temporary Traffic Management (COPTTM). j) Measures to ensure the use and reinstatement (to a mutually agreed standard) of local roads to be used as haul roads. The CTMP shall also describe the assessment and monitoring of road conditions and implementation of mitigation works. 	Construction Traffic Management Plan	Sections 5 and 6

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13.0	General Construction Traffic	Associated Management Plan	Specific Section of the Management Plan
13.1	The Requiring Authority shall ensure there is no off-site Project-related Bulk HCV traffic: <ul style="list-style-type: none"> a) on Sundays; or b) on public holidays or after 4.00 pm on working days prior to long weekends. 	Construction Traffic Management Plan	Section 2.3
13.2	The maximum hours of work for off-site Project-related Bulk HCVs shall be 7.00am – 7.00pm.		

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14.0	Landscape Management Plan	Associated Management Plan	Specific Section of the Management Plan
14.1	The Requiring Authority shall develop the certified CLMP (required by Condition 6.1) into a Landscape Management Plan (LMP). No later than forty (40) working days prior to construction commencing, the Requiring Authority shall submit the LMP to the Territorial Authority Chief Executive or nominee for certification. For the avoidance of doubt, the Requiring Authority may prepare a LMP in relation to each stage of its programme of works, provided that for each stage it shall submit a LMP for certification prior to any construction activity commencing on a particular stage of work.	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
14.2	The objective of the LMP is to maintain and enhance landscape, amenity and ecological values along the route and to mitigate any adverse visual, landscape, urban design and ecological effects of the Project or a particular stage of the Project. The LMP will identify the specific urban design and landscape measures to be implemented and maintained to achieve this objective.	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
14.3	<p>The LMP(s) shall be prepared, after consultation with TWWG and the Territorial Authority, by a suitably qualified and experienced landscape architect with appropriate urban design experience and shall include at least the following:</p> <ul style="list-style-type: none"> a) The proposed landscape and urban design theme to be adopted for the entire length of the Project, including for overbridges, underbridges and noise barriers; b) Landscape plans that identify any vegetation to be retained, areas of landscape mitigation and ecological enhancement planting (taking into account the requirements of the Ecological Management and Monitoring Plan required by Condition 15), and the type and density of planting to be undertaken; c) Provision where practicable for the use of earth bunding with gently undulating forms for noise barriers and measures to integrate the design of noise mitigation measures; d) Integration of the landscape design with the design of noise mitigation measures so that the combined measures can be implemented in a co-ordinated manner; e) Measures to minimise clearing work to conserve soil and protect any existing vegetation to be retained; f) Measures to ensure the appropriate disposal of any invasive or noxious weeds cleared from the site; g) Measures to integrate cut and fill batters with the existing topography; h) Measures to be undertaken for topsoil and subsoil management so as to provide a viable growing medium for the areas to be planted with trees, shrubs and grass; i) The nature, programme and methods of rehabilitation to be implemented within borrow and spoil disposal areas and any areas identified as being required for the treatment of otherwise unsuitable earth material; j) A schedule of the species to be planted including botanical name, average plant height at time of planting and at maturity, and planting density; k) A planting specification, including planting and mulching techniques; l) Planting maintenance requirements over a five year period following planting and reinstatement of road verges and gullies; m) An implementation programme for all remedial and mitigation measures; n) Post-construction monitoring measures; o) Site specific planting and screening measures developed after consultation with directly affected property owners; p) Planting and screening measures developed after consultation with landowners of Riley Place and Montgomery Crescent adjoining the designation; and q) All plant species used in the Landscape Management Plan shall be selected to ensure that at their full maturity they do not protrude through the Hamilton Airport Obstacle Limitation Surface height restrictions as set out in the Hamilton City District Plan. 	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
14.4	The Requiring Authority shall provide the LMP to the parties referred to in Conditions 14.3(o) and 14.3(p) at least thirty (30) working days prior to submitting it to the Territorial Authority Chief Executive or nominee for certification.	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
14.5	If the Requiring Authority has not received comment from any of the parties referred to in Conditions 14.3(o) and 14.3(p) within twenty (20) working days of providing them the LMP, the Requiring Authority may consider that the stakeholder concerned has no comment.	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.
14.6	The Requiring Authority shall include any comment from the parties referred to in Conditions 14.3(o) and 14.3(p) in the LMP, along with an explanation of where and why any comments have not been incorporated into the LMP(s), prior to submitting the LMP to the Territorial Authority.	Pre-Construction Communication and Consultation Plan	<i>NB:</i> Completed by the Client's agents prior to the award of contract to HEB Construction, plan approved.

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15.0	Ecological Management and Monitoring Plan	Associated Management Plan	Specific Section of the Management Plan
15.1	<p>The Requiring Authority shall, after consultation with the TWWG, Waikato Regional Council, the Territorial Authority, the Waikato River Authority, the Director-General of Conservation, the Mangakotukutuku Stream Care Group Incorporated, the Riverlea Environment Society and the NZ Transport Agency develop an Ecological Management and Monitoring Plan (EMMP). The EMMP shall be prepared by an appropriately qualified and experienced ecologist/s.</p>	Environmental Management and Monitoring Plan	n/a
15.2	<p>The EMMP shall be submitted to the Territorial Authority's Chief Executive or nominee, for certification. The EEMP must be submitted for certification within three (3) years after the date on which the designation is included in the Operative or Proposed HCC District Plan or at least forty (40) working days prior to the commencement of Construction Works, whichever event occurs earlier in time.</p> <p>The EMMP certification requirement shall not apply to the construction of the Wairere Drive/Cobham Drive grade separated interchange, in the area set out on the plan (Bloxam, Burnett and Olliver Drawing Ref 145300/00/P/7511 Revision A, entitled Wairere Drive/Cobham Drive Grade Separated Interchange – Extent of Ecological Management and Monitoring Plan Exemption, dated 22.11.2017) in Annexure 3 to these conditions. Notwithstanding that exemption, the design and construction of the extent of the Wairere Drive/Cobham Drive grade separated interchange in the area set out on the plan in Annexure 3 shall incorporate the mitigations and recommendations contained within the report prepared by Kessels Ecology, dated 14.12.2017, entitled Hamilton City Council, Wairere/Cobham Drive Ecological Management and Monitoring Plan, subject to any amendments required to comply with permits issued by the Department of Conservation under the Wildlife Act 1956 and/or resource consent conditions imposed by Waikato Regional Council.</p> <p>The EMMP shall include performance measures, actions, methods, trigger levels and monitoring programmes designed to achieve the objectives specified below.</p> <p>The objectives of the EMMP shall be to demonstrate how the Requiring Authority intends to achieve no net loss of terrestrial, wetland and stream biodiversity values. It shall provide details on how monitoring, management and mitigation of the significant adverse effects of construction activities and Project operation is to be undertaken, including but not limited to effects on:</p> <ol style="list-style-type: none"> a) Long-Tailed Bats, with the aim of enhancing long-tailed bat habitat within the city boundary; b) Avifauna, with the aim of enhancing the extent and quality of habitat for native species; c) Lizards, with the aim of enhancing the extent and quality of habitat for native species; and d) Indigenous vegetation, aquatic and wetland values, with the aim of restoring indigenous vegetation to the gullies and margins of the Waikato River in accordance with the objectives and policies of the Hamilton Gully Reserves Management Plan: 2007 (or its successor) as these relate to biodiversity, with the species and composition of vegetation restored reflecting as far as possible the natural ecosystems that were likely to be originally representative of gully systems and riparian margins of the Waikato River as defined in Clarkson & Clarkson (1997)1. 	Environmental Management and Monitoring Plan	Section 2.3, 4.0, 6.0 and 7.0
15.3	<p>The EMMP shall set out the methodologies and processes that will be used to achieve these objectives and shall include, but will not be limited to:</p> <ol style="list-style-type: none"> a) Ecological management; <ol style="list-style-type: none"> i. Vegetation and habitat management; ii. Management of effects on long-tailed bats, avifauna, and lizards; b) Ecological monitoring; and c) Habitat restoration/offset mitigation on the following basis: <ol style="list-style-type: none"> i. A minimum 1:1 restoration ratio for areas of gully, bat habitat and river margin affected by the designation (including habitat dominated by exotic vegetation). ii. a minimum 3:1 restoration ratio for significant indigenous habitats (including indigenous forests, wetlands, seeps and springs) affected by the designation. The total area to be restored based on the ratio in (i) and (ii) above shall be a minimum of 11.46 hectares. iii. Gully habitat restoration proposed by the EMMP shall generally align with Wall, K and B.D. Clarkson 2006: Gully restoration guide: a guide to assist in the ecological restoration of Hamilton's gully system. Third Revised Edition. Hamilton City Council (or an updated version). iv. Animal Pest Control, undertaken for a period of twenty (20) years, at known significant roost sites (significant roost sites being maternity roost sites or other roost sites used by multiple bats on a regular basis). Any measures implemented must be determined by an Animal Pest Control specialist as having a reasonable prospect of being effective. The duration or nature of Animal Pest Control in accordance with this condition can be altered should monitoring of the Animal Pest Control demonstrate that it is ineffective, or to allow alternative Animal Pest Control approaches to be trialled. Any alteration to the duration or nature of Animal Pest Control shall necessitate a review of the EMMP in accordance with condition 15.7. 	Environmental Management and Monitoring Plan	Section 6.0

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15.0	Ecological Management and Monitoring Plan	Associated Management Plan	Specific Section of the Management Plan
15.4	<p>The EMMP shall include:</p> <ol style="list-style-type: none"> a) Identification of areas and timeframes for establishment of advance restoration / mitigation planting, as far as practicable ahead of construction activities taking into account land ownership, accessibility and the timing of available funding; b) Consideration of opportunities to integrate existing restoration planting on public or private land with the restoration/mitigation planting to be undertaken as part of this designation in order to enhance ecological benefit; this shall include but not be limited to the restoration planting undertaken to date adjacent to the Mangakotukutuku Stream and on the following private properties: <ul style="list-style-type: none"> • Lot 2 DPS 83799 (M & M Shaw) • Lot 2 DP 313598 (G James) c) Identification of areas and timeframes for establishment of incremental restoration / mitigation planting to be undertaken as property is acquired by or vested in the Territorial Authority through the Public Works Act or the Resource Management Act; d) Provision for the coordination of construction works and environmental protection and restoration programmes; e) Provision for the engagement of suitably qualified and experienced ecologists to develop appropriate procedures to manage effects on long-tailed bats, avifauna, and lizards, where habitats are affected; f) The nature of any weed and / or pest control considered appropriate (timing, extent and location) in restoration / mitigation planting areas; g) The nature and extent of stock proof fencing (if required) that is to be established around the boundaries of restoration / mitigation planting areas; h) Provisions, where practicable, for the salvage of elements of indigenous flora and fauna that is being destroyed as a result of the construction of the Project and its translocation to appropriate restoration areas; and i) Provisions to ensure all restored areas are legally protected in perpetuity, where practicable. 	Environmental Management and Monitoring Plan	Section 6.0
15.5	<p>The EMMP provisions for Long-Tailed Bat Management shall include, but not be limited to, the following:</p> <ol style="list-style-type: none"> a) Details of measures to avoid, minimise and monitor roost removal and habitat loss (including specific minimum standards determined by a recognised bat ecologist for roost tree identification and monitoring of roost trees before their removal, recognising the limitations for determining roost tree occupancy in some situations), as well as habitat replacement and enhancement; b) Details of the provision of alternative roosting sites (including suitable indigenous or exotic trees for roost habitat, their ongoing management to enhance their roosting potential (for example, encouraging cavity formation or providing artificial bat houses), with artificial roosts installed as far in advance of construction as possible; c) Details of measures to minimise habitat fragmentation and alteration to bat movement (e.g. creating possible bat crossing points such as a bridge/ tunnels/ culverts; reducing the effect of road lighting by creating 'dark zones' at key bat habitats, aligning streetlights in certain ways or installing baffles on lighting columns to reduce the 'spill' of light away from the road); d) The establishment of buffer zones and hop overs along the Project route in advance of construction (where feasible), during and after construction to encourage bat avoidance of the road and maintaining important bat flyway navigational references, if deemed appropriate by a recognised bat ecologist; e) Details of measures to minimise disturbance from construction activities within the vicinity of any active roosts that are discovered until such roosts are confirmed to be vacant of bats, as determined by a recognised bat ecologist using current best practice; f) Details of ongoing monitoring and reporting of bat activity, including the establishment of adequate baseline survey and post construction monitoring to identify and assess changes in bat activity and behavioural patterns that may occur as a result of construction and operation of the Project network at all locations where bats are detected. The specific priority objectives of monitoring shall include: <ol style="list-style-type: none"> i. Determining the effects of lighting and roads on the movement of bats and what other key potential barriers (e.g. bridges, embankments) are to movement; ii. Monitoring to gauge the effectiveness of the Animal Pest Control required by condition 15.3(c) (iv); and iii. Identification, protection and ongoing monitoring of key habitats (e.g. maternal roosting sites and foraging sites). g) Specific minimum standards as determined by a suitably qualified bat ecologist for minimising disturbance associated with construction activities around active roosts within the footprint of the Project or its vicinity that do not require removal. This includes the preparation of a pre-tree felling protocol following consultation with the Department of Conservation. The purpose of the pre-tree felling protocol shall be to avoid the injury or mortality of roosting long-tailed bats; and h) Monitoring shall be carried out over the long-tailed bat breeding season and peak activity period (beginning of November to the end of April), first commencing two (2) years prior to Construction Works starting, and continuing during construction and five (5) years post construction for the first stage of the Project, and shall ensure adequate site coverage incorporating all potential roosting and foraging habitats as well as suitable control sites. The timeframes for the monitoring in accordance with this condition shall only be triggered with respect to the first stage of Construction Works for any part of the Project. 	Environmental Management and Monitoring Plan	Section 6.5

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15.0	Ecological Management and Monitoring Plan	Associated Management Plan	Specific Section of the Management Plan
15.6	<p>The EMMP shall outline the aquatic surveys to be undertaken by a suitably qualified and experienced ecologist/s prior to lodgement of resource consent applications with the Regional Council. These shall include, but will not be limited to:</p> <ul style="list-style-type: none"> a) Fish surveys of waterways (including drains and wetlands) using a recognised protocol prior to stream crossing design to determine the fish community and therefore likely fish passage and fish recovery requirements where culverts are to be installed; and times when instream works are to be avoided so as not to adversely impact on peak periods of fish migration and spawning; and b) Surveys to determine aquatic quality and character of habitats impacted by stream crossings where instream habitats will be impacted (e.g. culverts) so that an appropriate methodology can be used to mitigate loss of ecological value that has not already been accounted for by advanced mitigation restoration (e.g. presence of mudfish) 	Environmental Management and Monitoring Plan	Section 5
15.7	<p>The Requiring Authority may review the EMMP at any time to make provision for the future grant of resource consents required to authorise components of the Project, and any staging of construction of the Project network, within Hamilton City. The Requiring Authority shall consult with the TWWG, Waikato Regional Council, the Territorial Authority, the Waikato River Authority, the Director-General of Conservation, the Mangakotukutuku Stream Care Group Incorporated, the Riverlea Environment Society and the NZ Transport Agency in preparing any review to the EMMP. The Requiring Authority shall submit any review of the EMMP to the Territorial Authority's Chief Executive for certification.</p>	n/a	n/a
Advice Note:	The outcomes of the EMMP will be relevant in the development of the LMP (Condition 14.3(b)).	n/a	n/a

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16.0	Heritage and Archaeological Site Management Plan	Associated Management Plan	Specific Section of the Management Plan
16.1	<p>The Requiring Authority shall give at least twenty (20) working days written notice of the date that construction is intended to commence to:</p> <ul style="list-style-type: none"> a) The Project archaeologist to establish with the contractor a working relationship that will comply with good practice during the earthworks stage of the construction; and b) The Territorial Authority; c) The TWWG to enable it to: <ul style="list-style-type: none"> i. Allocate a representative to liaise with the Project archaeologist, and who will be actively involved in the archaeological work associated with the Project; ii. Clarify with the contractor the location of the archaeological sites and the procedures that will be observed; iii. Provide the names of their representatives who are to be contacted for cultural advice and guidance in the event of a discovery of any buried archaeological deposits found during the Project; iv. Undertake any appropriate cultural ceremonies on the archaeological sites; and v. Arrange for the inspection of the earthworks in the vicinity of the archaeological sites. 	n/a	n/a
16.2	<p>Prior to the commencement of Construction Works the Requiring Authority shall provide to the Territorial Authority evidence that Archaeological Authorities have been obtained, as appropriate, to modify, damage or destroy any of the known archaeological sites likely to be affected during the construction works.</p>	n/a	n/a
16.3	<p>No later than forty (40) working days prior to the commencement of any earthworks or construction works, the Requiring Authority shall submit a Heritage and Archaeological Site Management Plan (HASMP) prepared by a suitably qualified and experienced archaeologist to the Territorial Authority Chief Executive or nominee for certification.</p>	Heritage and Archaeological Site Management Plan	n/a
16.4	<p>The HASMP shall be prepared after consultation with the TWWG and with Heritage New Zealand. The objective of the HASMP is to describe the measures that will be taken to avoid or mitigate effects on archaeological sites within the designation. As a minimum the HASMP shall include the following:</p> <ul style="list-style-type: none"> a) Measures that will be taken to protect or avoid archaeological sites (or insitu archaeological remains) from damage during construction; b) Roles and responsibilities associated with managing the archaeological aspects of the Project; c) Provision for training for staff and contractors in the archaeological aspects of the Project; d) Provision for any revisions required to the HASMP during the course of the Project; e) An Accidental Discovery Protocol (<i>ADP</i>) (noting that in the event of any conflicting provisions where any part of the site is operating under an Authority from Heritage New Zealand, the ADP contained within that Authority shall take precedence) so that in the event that any archaeological sites, remains, artefacts, taonga (Maori artefacts) or koiwi are unearthed, dislodged, uncovered or otherwise found or encountered during Construction Works (“the Discovery”), the Requiring Authority shall: <ul style="list-style-type: none"> i. Advise taangata whenua, the Project archaeologist, and the Territorial Authority as appropriate, within one day of the Discovery; ii. Cease works in any part of the Project site affected by the Discovery; iii. Contact the NZ Police, the Coroner and Heritage New Zealand as appropriate; iv. Undertake specific preservation measures to address any Discovery that includes water-logged or wet archaeological materials; and v. Not recommence works in the parts of the Project site affected by the Discovery until all necessary statutory authorisations or consents have been obtained; f) Twenty (20) working days prior to the Requiring Authority providing the HASMP or any revisions in accordance with Condition 2.5 to the Territorial Authority, a draft version of the plan will be provided to the TWWG and to Heritage New Zealand for their review. The Requiring Authority shall consider any feedback provided and provide a written response within the finalised HASMP detailing: <ul style="list-style-type: none"> i. Whether any feedback has been provided by the TWWG and Heritage New Zealand; ii. Where feedback has been provided, how it has been incorporated into the HASMP; and iii. Where feedback has been provided but not been incorporated into the HASMP, the reasons why not; and g) Provisions for providing any new information on archaeological sites to the New Zealand Archaeological Association for the purpose of updating the national archaeological site record database. 	Heritage and Archaeological Site Management Plan	Entire plan

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16.0	Heritage and Archaeological Site Management Plan	Associated Management Plan	Specific Section of the Management Plan
16.5	<p>Conservation Plans shall be prepared for the long-term management of those significant archaeological sites (part or whole) within the area of the designation that remain unaffected by the construction of the Project once construction is completed. Conservation Plans shall be prepared by a suitably qualified and experienced person. The Historic and Cultural Heritage Assessment Criteria employed in the Waikato Regional Policy Statement shall be used to determine if a site has sufficient significance to warrant the preparation of a Conservation Plan. All sites partly or wholly within the designation will be tested against these criteria. These Conservation Plans shall:</p> <ul style="list-style-type: none"> a) Not be limited to the surface visible remains but recognise the importance of sub- surface deposits; b) Be prepared by a suitably qualified archaeologist; and c) Be submitted to the Territorial Authority Chief Executive or nominee for certification. 	n/a	n/a
16.6	<p>No later than twenty (20) working days prior to the Requiring Authority providing any Conservation Plan to the Territorial Authority Chief Executive or nominee, a draft version of the plan shall be provided to the TWWG and to Heritage New Zealand for their review. The Requiring Authority shall consider any feedback provided and provide a written response within the finalised Conservation Plans detailing:</p> <ul style="list-style-type: none"> a) Whether any feedback has been provided by the TWWG and Heritage New Zealand; b) Where feedback has been provided, how it has been incorporated into the Conservation Plans; and c) Where feedback has been provided but not been incorporated into the Conservation Plans, the reasons why not. 	n/a	n/a
17.0	Drainage	Associated Management Plan	Specific Section of the Management Plan
17.1	Subject to the requirement of any resource consent, the construction and operation of the Project shall not increase flooding risk to surrounding land and/or property.	Construction Management Plan	Section 6.5
18.0	Network Infrastructure	Associated Management Plan	Specific Section of the Management Plan
18.1	<p>To ensure that there are no interruptions to supply or adverse effects on network utility infrastructure, the Requiring Authority shall, subject only to reasonable planned interruption, either:</p> <ul style="list-style-type: none"> a) Protect the utility from any activity which may interfere with the proper functioning of the services; or b) Seek to relocate it to the same or a similar standard (including property rights) as the operator currently has; or c) Seek to repair or replace, at the Requiring Authority's expense, any infrastructure damaged during construction to the reasonable satisfaction of the affected network utility operator. 	Construction Management Plan	Section 6.4

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19.0	Dust Management Plan	Associated Management Plan	Specific Section of the Management Plan
19.1	Prior to the commencement of Construction Works, the Requiring Authority shall prepare a Dust Management Plan (DMP). The DMP shall be prepared by a suitably qualified and experienced person. The Requiring Authority shall implement the DMP at all times during the Project. The objective of the DMP shall be to ensure that Construction Works are undertaken in a manner to ensure that no discharge of airborne particulate matter (dust) causes an adverse effect on the amenity value of any person beyond the designation boundary.	Erosion and Sediment Control Plan	Section 6.0
19.2	The DMP shall be provided to the Territorial Authority Chief Executive or nominee for certification at least forty (40) working days prior to the commencement of Construction Works.	Erosion and Sediment Control Plan	Section 6.0
19.3	As a minimum the DMP shall include the following details: a) Mitigation measures to be implemented during construction to minimise dust emissions; b) Methods for the daily visual monitoring of dust emissions and assessing the effectiveness of the mitigation measures implemented; c) Procedures for responding to process malfunctions and accidental dust discharges; d) Criteria, including consideration of weather conditions and procedures, for the use of water sprays on stockpiles and operational areas of the Project; e) Continuous monitoring of meteorology; f) Monitoring of construction vehicle maintenance; g) Complaints investigation, monitoring and reporting; h) The identification of staff and contractors' responsibilities; and i) Appropriate DMP review procedures.	Erosion and Sediment Control Plan	Section 6
20.0	Contaminated Soil Management Plan	Associated Management Plan	Specific Section of the Management Plan
	Removed by Alteration to Designation – 20 April 2020		

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21.0	Hazardous Substances Management Plan	Associated Management Plan	Specific Section of the Management Plan
21.1	Prior to the commencement of Construction Works, the Requiring Authority shall prepare a Hazardous Substances Management Plan (HSMP). The HSMP shall be prepared by a suitable qualified and experienced person. The Requiring Authority shall implement the HSMP at all times during the Project. The objective of the HSMP shall be to avoid, remedy or mitigate the adverse effects of Construction Works on human health and the environment which may result from the use of hazardous substances.	Hazardous Substance Management Plan	n/a
21.2	The HSMP shall be provided to the Territorial Authority Chief Executive Officer or nominee for certification at least forty (40) working days prior to the commencement of Construction Works.	n/a	n/a
21.3	As a minimum the HSMP shall include the following details: a) Details of the type and volumes of hazardous substances to be used and stored during the construction phase of the Project; b) Procedures for the proper storage, handling, transport and disposal of hazardous substances in accordance with best practice and national standards and regulations; c) The equipment, systems and procedures to be used to minimise the risk of spills or leaks of hazardous substances; d) Procedures to notify and report to the Territorial Authority within 24 hours of a spill or leak involving 10 litres or more of a hazardous substance occurring; and e) Procedures to be followed to identify causes of spills or leaks of a hazardous substance and to avoid their recurrence.	Hazardous Substance Management Plan	Entire plan
22.0	Construction Lighting	Associated Management Plan	Specific Section of the Management Plan
22.1	The Requiring Authority shall implement procedures at all times during construction to manage light spill (if any) to residences from any night lighting that is required on the site.	Construction Management Plan	Section 6.6

Appendix B – Designation Conditions Table

23.0	Operational Noise	Associated Management Plan	Specific Section of the Management Plan
23.1	<p>For the purposes of Conditions 23.2 - 23.20 the following terms will have the following meanings:</p> <ul style="list-style-type: none"> a) BPO – means the Best Practicable Option. b) Noise Assessment – means the Noise Assessment prepared in accordance with Condition 23.2. c) NZS 6806:2010 – means New Zealand Standard NZS 6806:2010 Acoustics – Road-traffic noise – New and altered roads. d) Noise Criteria Categories – means the groups of preference for time-averaged sound levels established in accordance with NZS 6806:2010 when determining the BPO mitigation option; i.e. Category A – primary noise criterion, Category B, secondary noise criterion and Category C – internal noise criterion. e) PPF – means only the premises and facilities identified in green, orange or red in the Noise Assessment. f) Structural Mitigation – has the same meaning as in NZS 6806:2010. g) Original Noise Report – the assessment of road traffic noise and construction noise effects prepared by Opus International Consultants Ltd, report reference 231635.09 as lodged with the Notice of Requirement. 		
23.2	<p>Noise Assessment Report (prior to construction) The Requiring Authority shall appoint a suitably qualified acoustics specialist, a suitably qualified planner approved by the Council, and other designers, to determine the BPO for road-traffic noise mitigation in accordance with NZS 6806:2010. No later than six (6) months prior to Construction Works starting, the Requiring Authority shall submit to the Territorial Authority Chief Executive or nominee a Road-traffic Noise Assessment Report ('Noise Assessment') detailing the assessment process, 'Selected Options' for noise mitigation, and the Noise Criteria Categories for all PPFs ('Identified Categories'). The Requiring Authority shall implement the Selected Options for noise mitigation identified in the Noise Assessment as part of the Project, in order to achieve the Identified Categories where practicable, subject to Conditions 23.4–23.20 below.</p>		
23.3	<p>The Noise Assessment shall only consider those PPFs existing on the date the Notice of Requirement was publicly notified (29 January 2014), including PPFs at the properties set out in the attached PPF list (Annexure 1 to these conditions).</p>		
23.4	<p>The detailed design of the Structural Mitigation measures of the Selected Options (the "Detailed Mitigation Options") shall be undertaken by a suitably qualified acoustics specialist prior to Construction Works commencing and, subject to Condition 23.5, shall include, as a minimum, the following:</p> <ul style="list-style-type: none"> a) Noise barriers with the location, length and height in general accordance with the Noise Assessment; and b) Low-noise road surfaces in general accordance with the Noise Assessment. 	<p>These operational Designation conditions will be addressed within the Asset Owner's Manual produced post construction</p>	<p>n/a</p>
23.5	<p>Amendments to Noise Assessment Report Where the design of the Detailed Mitigation Options identifies that it is not practicable to implement a particular Structural Mitigation measure in the location or of the length or height included in the Selected Options then either:</p> <ul style="list-style-type: none"> a) if the design of the Structural Mitigation measure could be changed so that it would still achieve the same Identified Category A or Category B at all relevant PPFs, and a suitably qualified planner approved by the Hamilton City Council certifies to the Council that the changed Structural Mitigation is consistent with adopting the BPO in accordance with NZS 6806:2010, the Detailed Mitigation Options may include the changed mitigation measure; or, if that is not practicable, b) if the changed design of the Structural Mitigation measure would change the Noise Criteria Category at any relevant PPF from Category A or B to Category C but a suitably qualified planner approved by the Hamilton City Council certifies to the Council that the changed Structural Mitigation is consistent with adopting the BPO in accordance with NZS 6806:2010, the Detailed Mitigation Options may include the changed mitigation measure. 		
23.6	<p>The Detailed Mitigation Options shall be implemented prior to completion of construction of the Project, with the exception of any low-noise road surfaces, which shall be implemented within twelve (12) months of completion of construction.</p>		
23.7	<p>Operational Noise Limits Removed 2 May 2019.</p>		
23.8	<p>Operational Noise Monitoring Prior to construction, the Requiring Authority shall arrange for a suitably qualified and experienced acoustics specialist approved by the Territorial Authority Chief Executive or nominee to undertake a minimum of 10 (ten) representative measurements of ambient noise levels. Measurements shall be undertaken in accordance with the requirements of Section 5.2 of NZS6806:2010.</p>		
23.9	<p>Following completion of the work, the Requiring Authority shall arrange for a suitably qualified and experienced acoustics specialist approved by the Territorial Authority Chief Executive or nominee to undertake traffic noise monitoring at the same sites surveyed in Condition 23.8 above, within 2 years following completion of construction of the Project, and following the application of any low-noise road surfaces that are required. Measurements shall be undertaken in accordance with the requirements of Section 5.2 of NZS6806:2010.</p>		

Appendix B – Designation Conditions Table

23.0	Operational Noise	Associated Management Plan	Specific Section of the Management Plan
23.10	The results of the noise level monitoring in accordance with Condition 23.8 above shall be used to verify the computer noise model of the Detailed Mitigation Options. Where monitoring identifies that the applicable standards of Condition 23.7 above are not being met, the Requiring Authority shall undertake mitigation measures to ensure compliance is achieved as soon as practicable.		
23.11	A report describing the findings of monitoring required by conditions 23.9 and 23.10 shall be provided to the Territorial Authority Chief Executive or nominee within one month of the measurements in 23.9 being completed. The Report shall include (as a minimum): a) Comparison of the results to the computer noise model of the Detailed Mitigation Options; b) Identification of where compliance with the requirements of Condition 23.7 have been achieved; and c) Identification of where compliance with the requirements of Condition 23.7 have not been achieved and the mitigation measures proposed to ensure compliance is achieved as soon as practicable.		
23.12	Category C PPFs Prior to construction of the Project, a suitably qualified acoustics specialist shall identify those PPFs which, following implementation of all the Structural Mitigation included in the Detailed Mitigation Options, are not in Noise Categories A or B and where Building-Modification Mitigation may be required to achieve 40dB LAeq (24h) inside habitable spaces ('Category C Buildings').		
23.13	Prior to commencement of Construction Works in the vicinity of a Category C Building, the Requiring Authority shall write to the owner of each Category C Building seeking access to such building for the purpose of measuring internal noise levels and assessing the existing building envelope in relation to noise reduction performance.		
23.14	If the owner(s) of the Category C Building allows the Requiring Authority access to the property within twelve (12) months of the date of the Requiring Authority's letter (sent pursuant to Condition 23.13), then no more than twelve (12) months prior to commencement of construction of the Project, the Requiring Authority shall instruct a suitably qualified acoustics specialist to visit the building to measure internal noise levels and assess the existing building envelope in relation to noise reduction performance.		
23.15	Where a Category C Building is identified, the Requiring Authority shall be deemed to have complied with Conditions 23.13 or 23.14 above where: a) The Requiring Authority (through its acoustics specialist) has visited the building; or b) The owner of the Category C Building allows the Requiring Authority's access, but the Requiring Authority could not gain entry for some relevant reason (such as entry denied by a tenant); or c) The owner of the Category C Building did not allow the Requiring Authority access to the property within the time period set out in Condition 23.14 (including where the owner(s) did not respond to the Requiring Authority letter (sent pursuant to Condition 23.13 within that period)); or d) The owner of the Category C Building cannot, after reasonable enquiry, be found prior to completion of construction of the Project. e) If any of (b) to (d) above apply to a particular Category C Building, the Requiring Authority shall not be required to implement any Building-Modification Mitigation at that Category C Building.	These operational Designation conditions will be addressed within the Asset Owner's Manual produced post construction	n/a
23.16	Subject to Condition 23.15, within six (6) months of the assessment required under Condition 23.14, the Requiring Authority shall give written notice to the owner of each Category C Building: a) Advising of the options available for Building-Modification Mitigation to the building; and b) Advising that the owner has six (6) months within which to decide whether to accept Building-Modification Mitigation for the building, and if the Requiring Authority has advised the owner that more than one option for Building- Modification Mitigation is available, to advise which of those options the owner prefers.		
23.17	Once an agreement on Building-Modification Mitigation is reached between the Requiring Authority and the owner of an affected building, the mitigation shall be implemented (including the Requiring Authority obtaining any third party authorisations required to implement the mitigation) in a reasonable and practical timeframe agreed between the Requiring Authority and the owner.		

Appendix B – Designation Conditions Table

23.0	Operational Noise	Associated Management Plan	Specific Section of the Management Plan
23.18	<p>Subject to Condition 23.15, where Building-Modification Mitigation is required, the Requiring Authority shall be deemed to have complied with Condition 23.10 above where:</p> <ul style="list-style-type: none"> a) The Requiring Authority has completed Building-Modification Mitigation to the Category C Building; or b) The owner of the Category C Building did not accept the Requiring Authority offer to implement Building-Modification Mitigation prior to the expiry of the timeframe stated in Condition 23.16(b) above (including where the owner did not respond to the Requiring Authority within that period); or c) The owner of the Category C Building cannot, after reasonable enquiry, be found prior to completion of construction of the Project. 		
23.19	<p>Maintenance of Detailed Mitigation Measures The Requiring Authority shall manage and maintain the Detailed Mitigation Options to ensure that, to the extent practicable, those mitigation works retain their noise reduction performance for at least ten (10) years after the opening of the Project to the public.</p>		
23.2	<p>Within twelve (12) months of opening any new section of road to the public, the Requiring Authority shall submit a post-construction noise review report to the Territorial Authority Chief Executive or nominee. The report shall include details of the following post-construction verification checks and actions:</p> <ul style="list-style-type: none"> a) The noise model used for the assessment required by condition 23.2 shall be rerun using the as-built positions of roads, earthworks and barriers. Any differences from the Identified Categories, not previously assessed in accordance with condition 23.5, shall be reported. b) A visual inspection of each noise barrier shall be made from the far edge of the road corridor at the closest point to each PPF or cluster of PPFs. The relationship of the PPFs and barrier shall be compared with that shown in the noise model. The height above local ground level of each noise wall shall be physically measured and noise walls shall be inspected to check for any gaps. c) Road surfaces shall be visually inspected to confirm they are of the type assumed in the noise model. d) Any remedial actions to address issues identified in checks required by conditions 23.20(a), (b) and (c) above. 	<p>These operational Designation conditions will be addressed within the Asset Owner's Manual produced post construction</p>	<p>n/a</p>

Appendix B – Designation Conditions Table

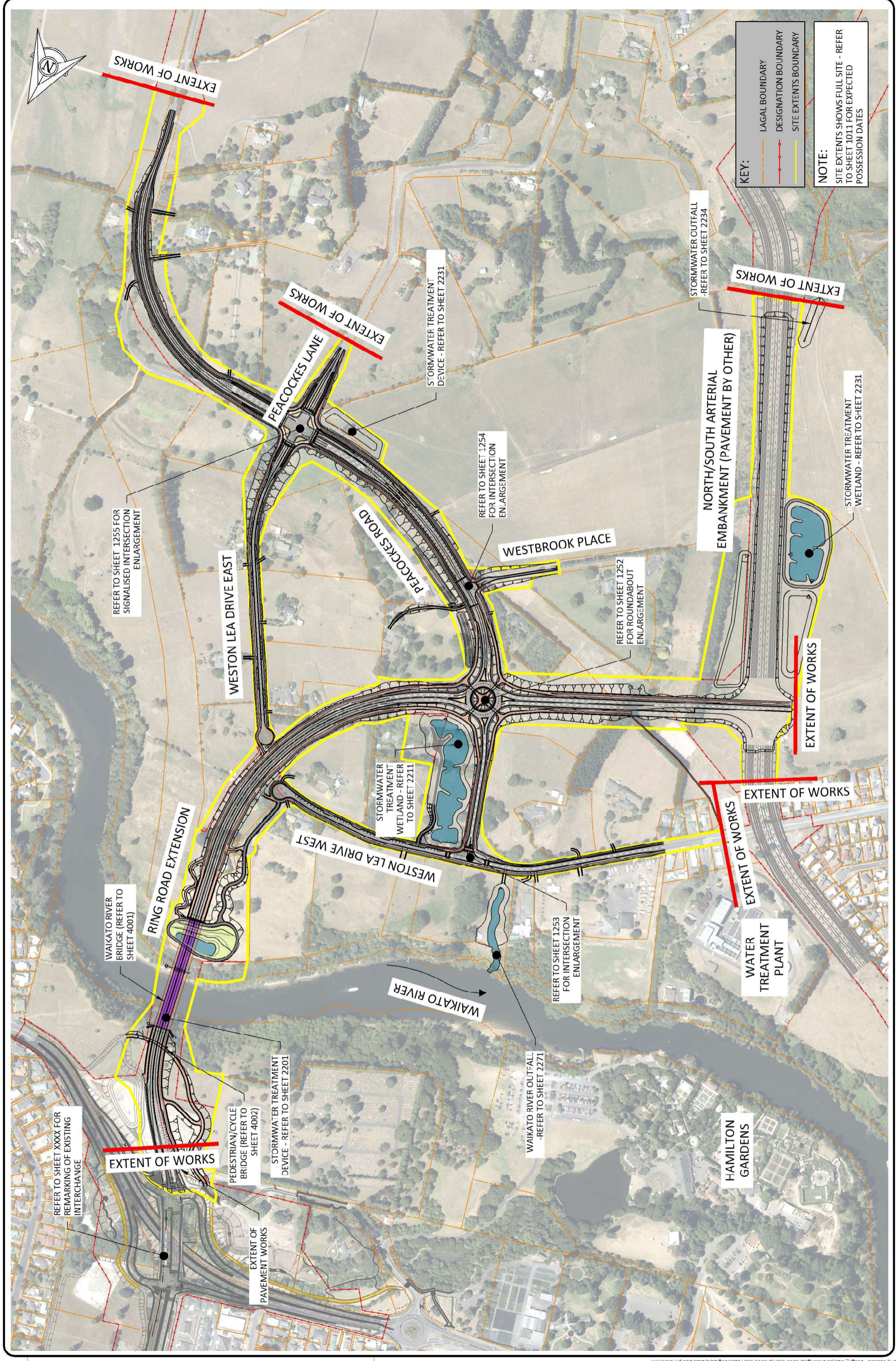
24.0	Transport Network Management Plan	Associated Management Plan	Specific Section of the Management Plan
24.1	<p>As part of the outline plan, the Requiring Authority shall submit a Transport Network Management Plan (TNMP), to be certified by the Territorial Authority Chief Executive or nominee. The objective of the TNMP is to provide a framework to ensure that any adverse effects associated with the operation of the Project can be avoided, remedied or mitigated. The TNMP shall describe proposed procedures, requirements and standards necessary for achieving the objective of the TNMP and shall include (but not be limited to):</p> <ul style="list-style-type: none"> a) An updated Design Philosophy Statement that establishes the standards, philosophies and references for construction final design outcomes required to achieve the objective of the TNMP. This shall include the intersection design philosophy as a part of a whole-route approach to road and intersection management and operation. b) The localised traffic impacts together with accompanying mitigation measures required as a direct or indirect result of road closures, diversions, new intersection arrangements and other measures needed to accommodate the Project; c) The provision of cycle infrastructure and the design of cycle features and whether they are consistent with current best practice guidelines; d) The provision of pedestrian infrastructure and whether the design of pedestrian infrastructure is consistent with current best practice guidelines; e) Consideration of staged bus service infrastructure features such as, but not limited to: <ul style="list-style-type: none"> i. Bus priority detection equipment at all signalised intersections along the route; ii. Bus stopping lay-bys at appropriate locations along the route; iii. Passenger waiting facilities and shelters with bus information as part of the final road design; and iv. Bus priority measures at all non-signalised, controlled intersections; f) The provision of pedestrian and cyclist connectivity to and from Hamilton Gardens and along the Waikato River and Peacocke gully system; and g) The provision of pedestrian and cyclist connectivity from areas west of the Peacocke North-South Major Arterial to areas east of the arterial in the vicinity of the Glenview Club. 	Transport Network Management Plan	NB: Completed by the Client's agents prior to the award of contract to HEB Construction.
24.2	In managing traffic safety effects across the whole of the Project (or staged Project) at the detailed design stage, the Requiring Authority shall undertake a Road Safety Audit for the relevant stage of the Project in accordance with NZ Transport Agency's Road Safety Audit (RSA) for Projects. A copy of the RSA shall be provided to the Territorial Authority Chief Executive or nominee.		
24.3	In managing traffic effects of the completed Works (or staged completed Works) at their implementation as operational measures, the Requiring Authority shall undertake a Post Implementation Review (PIR) in accordance with NZ Transport Agency's PIR policy, having regard to the Project objectives and the objectives of the TNMP. A copy of the PIR shall be provided to the Territorial Authority Chief Executive or nominee.		
25.0	Implementation of Landscape Management Plan(s)	Associated Management Plan	Specific Section of the Management Plan
25.1	<p>The landscape and visual mitigation measures identified in the approved LMP(s) shall be implemented:</p> <ul style="list-style-type: none"> a) As soon as areas become available for planting due to the progress of the works (having regard to the relevant planting season); and/or b) Within twelve months of the road construction being issued a Certificate of Practical Completion in accordance with NZS 3910:2013 Conditions of Contract for Building and Civil Engineering Construction, unless the seasonal timing of works makes some planting impracticable, in which case such planting shall be completed no later than twenty four (24) months after the issue of the Certificate. 		
26.1	The Requiring Authority shall undertake inspections at one (1) year, two (2) years and five (5) years after the implementation of the LMP(s) in accordance with Condition 25.1 to confirm that the planting has been completed and that significant areas and plants have established successfully. A report from a suitably qualified and experienced landscape architect on the outcome of each inspection shall be forwarded to the Territorial Authority Chief Executive or nominee within one month of completion. Each report shall identify any significant areas of planting that have not become established and shall recommend if and when any remedial works should be undertaken. Any recommendations made in the report for remedial works shall be implemented.		

Appendix B – Designation Conditions Table

27.0	Operational Lighting	Associated Management Plan	Specific Section of the Management Plan
27.1	Lighting shall be designed and screened to minimise the amount of lighting overspill and illumination of existing dwelling, and shall ensure that: <ul style="list-style-type: none"> a) All carriageway lighting is designed in accordance with “Road Lighting Standard AS/NZS1158”; and b) All other lighting is designed in accordance with the relevant rules of the Operative Hamilton City District Plan. 	This is an operational Designation condition that will be addressed within the Asset Owner’s Manual produced post construction	n/a

Advisory Notes	
A	Regional Consents All necessary consents must be obtained from the Waikato Regional Council prior to commencement of construction works.
B	Authority under the Heritage New Zealand Pouhere Taonga Act 2014 The Requiring Authority will need to obtain an authority from Heritage New Zealand to destroy, damage or modify any archaeological sites in accordance with the Heritage New Zealand Pouhere Taonga Act 2014.
C	Consultation and Liaison with Regional and Local Agencies The Requiring Authority should carry out adequate and timely consultation with regional and local agencies such as the Waikato Regional Council, Waikato District Council and Waipa District Council (or their successors) with regard to programming and planning commencement of Construction Works and provide a timetabled construction plan.
D	Tangata Whenua Contact Details Contact details for the hapu listed in the conditions above can be obtained through the office of Waikato-Tainui.
E	Wildlife Act 1953 The requirements of condition 15 are in addition to any obligation the Requiring Authority has in respect of absolutely protected wildlife under the Wildlife Act 1953.

Appendix C Project General Overview Plan



KEY:

- LAGAL BOUNDARY
- DESIGNATION BOUNDARY
- SITE EXTENTS BOUNDARY

NOTE:

SITE EXTENTS SHOWS FULL SITE - REFER TO SHEET 1011 FOR EXPECTED POSSESSION DATES

EXTENT OF WORKS

EXTENT OF WORKS

EXTENT OF WORKS

NORTH/SOUTH ARTERIAL EMBANKMENT (PAVEMENT BY OTHER)

STORMWATER TREATMENT WETLAND - REFER TO SHEET 2231

REFER TO SHEET 1255 FOR SIGNALISED INTERSECTION ENLARGEMENT

WESTON LEA DRIVE EAST

PEACOCKES ROAD

WESTBROOK PLACE

REFER TO SHEET 1254 FOR INTERSECTION ENLARGEMENT

REFER TO SHEET 1252 FOR ROUNDABOUT ENLARGEMENT

STORMWATER TREATMENT WETLAND - REFER TO SHEET 2211

WESTON LEA DRIVE WEST

REFER TO SHEET 1253 FOR INTERSECTION ENLARGEMENT

EXTENT OF WORKS

EXTENT OF WORKS

WATER TREATMENT PLANT

WAIKATO RIVER BRIDGE (REFER TO SHEET 4001)

RING ROAD EXTENSION

EXTENT OF WORKS

REFER TO SHEET XXXX FOR REMARKING OF EXISTING INTERCHANGE

PEDESTRIAN/CYCLE BRIDGE (REFER TO SHEET 4002)

STORMWATER TREATMENT DEVICE - REFER TO SHEET 2201

WAIKATO RIVER OUTFALL - REFER TO SHEET 2271

HAMILTON GARDENS

PROJECT		PEACOCKE WAIKATO RIVER BRIDGE AND STRATEGIC SERVICES	
DRAWING		GENERAL OVERVIEW PLAN	
STATUS		TENDER	
DATE	30/07/2019	SCALE (ORIGINAL SIZE A3)	N.T.S
DRAWING NUMBER	145900-001A-1200	REVISION	0
ISSUED FOR TENDER DATE	27/03/2020	ISSUED FOR TENDER DATE	27/03/2020
DESIGNED BY	LV	CHECKED BY	JS
DRAWN BY	AA	APPROVED BY	JG
ISSUE/REVISION DETAIL	AA	ISSUE/REVISION DETAIL	AA
BY	CHK	BY	CHK
APPRO	APPR	APPRO	APPR



Appendix D HEB Telarc Certification



This is to certify that

HEB Construction Ltd

105 Wiri Station Road Wiri Auckland New Zealand

having been assessed by Telarc Limited and having been found to operate a health and safety management system conforming to

ISO 45001:2018

is hereby designated

Telarc Registered

No. 405

for the following goods and services

The design and provision of services with respect to civil engineering projects throughout New Zealand including roading and bridge construction, industrial and residential subdivision development, marine structures, piling and foundations, precast and pre-stressed concrete, structural steel fabrication and erection, landscaping, infrastructure maintenance and management, drainage and water reticulation works, crane hire and heavy lifting.



Certificate Issued: 30 July 2021

Original Registration: 28 May 2019

Current Registration: 20 May 2021

Expiry Date: 29 May 2024

Chairperson

Chief Executive

David Bone

Philip Cryer



Health & Safety
ISO 45001



Registered by Telarc Limited 626 Great South Road, Ellerslie, Auckland 1051, Private Bag 28901, Remuera, Auckland 1541, Telephone: 64 9 525 0100 Facsimile: 64 9 525 1900 and subject to the Telarc Limited Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, Telarc Limited accepts responsibility only for proven negligence. To verify that this certificate is current please refer to the JAS-ANZ register at www.jas-anz.org/register This certificate and its associated schedules remain the property of Telarc Limited and must be returned if registration is withdrawn.



SCHEDULE TO CERTIFICATE OF REGISTRATION

Registration Number: 405

Certificate Issued: 30 July 2021

HEB Construction Ltd

Site Details:

Organisation	Address	Suburb	City	
HEB Construction Ltd - Auckland - Head Office (Q03674)				
HEB Construction Ltd - Mt Maunganui	1 Curly McLeod Way		Mt Maunganui	NZ
HEB Construction Ltd	105 Wiri Station Road	Wiri	Auckland	NZ
HEB Construction Ltd - Blenheim	9 Sheffield Street	Riverlands	Blenheim	NZ
HEB Construction Ltd - Christchurch	17/2 Barry Hogan Place	Addington	Christchurch	NZ
HEB Construction Ltd - Waikato Office	91 Ruffell Road	Te Rapa	Hamilton	NZ
HEB Construction Ltd - Rotorua	42 Ferguson Place	Fairy Springs	Rotorua	NZ

Scope of Certification:

The design and provision of services with respect to civil engineering projects throughout New Zealand including roading and bridge construction, industrial and residential subdivision development, marine structures, piling and foundations, precast and pre-stressed concrete, structural steel fabrication and erection, landscaping, infrastructure maintenance and management, drainage and water reticulation works, crane hire and heavy lifting.



This is to certify that

HEB Construction Ltd

105 Wiri Station Road Wiri Auckland New Zealand

having been assessed by Telarc Limited and having been found to operate a quality management system conforming to

ISO 9001:2015

is hereby designated

Telarc Registered

No. QEC13735

for the following goods and services

The design and provision of services with respect to civil engineering projects throughout New Zealand including roading and bridge construction, industrial and residential subdivision development, marine structures, piling and foundations, precast and pre-stressed concrete, structural steel fabrication and erection, landscaping, infrastructure maintenance and management, drainage and water reticulation works, crane hire and heavy lifting.



Certificate Issued: 30 July 2021

Original Registration: 17 December 2003

Current Registration: 20 May 2021

Expiry Date: 29 May 2024

Chairperson

Chief Executive

David Bone

Philip Cryer



Quality
ISO 9001



Registered by Telarc Limited 626 Great South Road, Ellerslie, Auckland 1051, Private Bag 28901, Remuera, Auckland 1541, Telephone: 64 9 525 0100 Facsimile: 64 9 525 1900 and subject to the Telarc Limited Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, Telarc Limited accepts responsibility only for proven negligence. To verify that this certificate is current please refer to the JAS-ANZ register at www.jas-anz.org/register This certificate and its associated schedules remain the property of Telarc Limited and must be returned if registration is withdrawn.



SCHEDULE TO CERTIFICATE OF REGISTRATION

Registration Number: QEC13735

Certificate Issued: 30 July 2021

HEB Construction Ltd

Site Details:

Organisation	Address	Suburb	City	
HEB Construction Ltd - Auckland - Head Office (Q03674)				
<i>Mt Maunganui Office</i>	<i>1 Curly McLeod Way</i>		<i>Mt Maunganui</i>	<i>NZ</i>
<i>Auckland - Head Office</i>	<i>105 Wiri Station Road</i>	<i>Wiri</i>	<i>Auckland</i>	<i>NZ</i>
<i>Blenheim Office</i>	<i>9 Sheffield Street</i>	<i>Riverlands</i>	<i>Blenheim</i>	<i>NZ</i>
<i>Christchurch Office</i>	<i>17/2 Barry Hogan Place</i>	<i>Addington</i>	<i>Christchurch</i>	<i>NZ</i>
<i>Waikato Office</i>	<i>91 Ruffell Road</i>	<i>Te Rapa</i>	<i>Hamilton</i>	<i>NZ</i>
<i>HEB Construction Ltd - Rotorua</i>	<i>42 Ferguson Place</i>	<i>Fairy Springs</i>	<i>Rotorua</i>	<i>NZ</i>

Scope of certification:

The design and provision of services with respect to civil engineering projects throughout New Zealand including roading and bridge construction, industrial and residential subdivision development, marine structures, piling and foundations, precast and pre-stressed concrete, structural steel fabrication and erection, landscaping, infrastructure maintenance and management, drainage and water reticulation works, crane hire and heavy lifting.



This is to certify that

HEB Construction Ltd

105 Wiri Station Road Wiri Auckland New Zealand

having been assessed by Telarc Limited and having been found to operate a environmental management system conforming to

ISO 14001:2015

is hereby designated

Telarc Registered

for the following goods and services

NO. 182

The design and provision of services with respect to civil engineering projects throughout New Zealand including roading and bridge construction, industrial and residential subdivision development, marine structures, piling and foundations, precast and pre-stressed concrete, structural steel fabrication and erection, landscaping, infrastructure maintenance and management, drainage and water reticulation works, crane hire and heavy lifting.

Certificate Issued: 30 July 2021

Original Registration: 26 January 2010

Current Registration: 20 May 2021

Expiry Date: 29 May 2024

Chairperson

Chief Executive

David Bone

Philip Cryer



Environment
ISO 14001



Registered by Telarc Limited 626 Great South Road, Ellerslie, Auckland 1051, Private Bag 28901, Remuera, Auckland 1541, Telephone: 64 9 525 0100 Facsimile: 64 9 525 1900 and subject to the Telarc Limited Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, Telarc Limited accepts responsibility only for proven negligence. To verify that this certificate is current please refer to the JAS-ANZ register at www.jas-anz.org/register This certificate and its associated schedules remain the property of Telarc Limited and must be returned if registration is withdrawn.



SCHEDULE TO CERTIFICATE OF REGISTRATION

Registration Number: 182

Certificate Issued: 30 July 2021

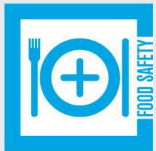
HEB Construction Ltd

Site Details:

Organisation	Address	Suburb	City	
HEB Construction Ltd - Auckland - Head Office (Q03674)				
<i>Mt Maunganui Office</i>	<i>1 Curly McLeod Way</i>		<i>Mt Maunganui</i>	<i>NZ</i>
<i>Auckland - Head Office</i>	<i>105 Wiri Station Road</i>	<i>Wiri</i>	<i>Auckland</i>	<i>NZ</i>
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<i>Waikato Office</i>	<i>91 Ruffell Road</i>	<i>Te Rapa</i>	<i>Hamilton</i>	<i>NZ</i>
<i>HEB Construction Ltd - Rotorua</i>	<i>42 Ferguson Place</i>	<i>Fairy Springs</i>	<i>Rotorua</i>	<i>NZ</i>

Scope of certification:

The design and provision of services with respect to civil engineering projects throughout New Zealand including roading and bridge construction, industrial and residential subdivision development, marine structures, piling and foundations, precast and pre-stressed concrete, structural steel fabrication and erection, landscaping, infrastructure maintenance and management, drainage and water reticulation works, crane hire and heavy lifting.



Appendix E HEB Safety, Quality and Environmental Policy

Our policies

The management and staff of HEB Construction are committed to the following company policies:

Health and Safety

Our commitment:

To provide a workplace that is healthy and safe. In doing so, we will comply with all relevant legislation, codes of practice and regulations.

Our health and safety culture actively encourages the engagement and participation of all employees, to openly discuss and consult on health and safety matters. A programme is in place to ensure that all workplace hazards and associated risks are effectively managed.

Induction, training, planning, risk assessment and project monitoring are used to ensure that our health and safety processes are suitable for their intended purpose. Any accident or incident is reported to the supervisor or manager, with appropriate investigations conducted to prevent recurrence.

Quality

Our commitment:

To achieve quality outcomes in everything we do. We know that the quality of our work defines us and we take pride in satisfying the requirements of our customers and their stakeholders.

We communicate the importance of quality to our employees through engagement, practical examples and training.

Through direction and support, we strive to ensure that each employee has a proper understanding of our quality process, their responsibility to contribute to its effectiveness and its direct relevance to the success we all share.

Environmental & Sustainability

Our commitment:

We strive to be recognised and respected as a leader in the way we care for and protect the environment. We will make measurable improvement year on year in preventing and reducing pollution and waste. We will develop our carbon reduction initiatives, promoting a transition to renewable energies. We will protect biodiversity and manage the efficient use of natural resources.

We will meet these commitments by attracting, developing and retaining great people. We will collaborate with our stakeholders and communities through civic engagement, delivering our services in a sustainable and ethical way.

Our promise:

We promise to provide a highly collaborative service that continually strives to:

- Send everyone home safely, every day
- Make employment within HEB 'more than just a job' for our staff
- Add value to our customers
- Actively encourage innovation
- Demonstrate our culture of pride in the work we do

These commitments are based on the use of management systems that are founded on an established set of company objectives, which are measured and reviewed within a process of continual improvement.



Mark Evans, CEO
8 April 2021

Appendix F HEB Organisational Chart